7. WATER SOURCE DEVELOPMENT

7.3 Groundwater Sources

7.3.2 Groundwater Availability in the Province

(1) Major Information and References

The Groundwater Availability Map was prepared using the following information and reference (detailed list of reference is presented in Table 7.1.2, Data Report):

- Administrative and Topographical Maps of the Province published by NAMRIA with scales of 1:250,000 and 1:50,000, respectively.
- Geological Map of the Philippines published by BMGS with a scale of 1:1,000,000.
- Water Resource Investigation conducted by NWRB, 1986.
- Well Inventory Database prepared by NWRB, LWUA and DPWII.
- Well Inventory Database in the province.
- General information on groundwater condition by DPWH-DEO and PPDO.
- Well Log Data by DPWH-DEO and PEO.
- Water source information by Water Districts.

(2) Approach and Methodology

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The procedure in preparing the Groundwater Availability Map is explained below with workflow depicted in Figure 7.3.1.

- Prepare a base map with an approximate scale of 1:450,000 (fit to the A4 map size).
 The topographical map of NAMRIA (1:250,000) was used as a reference map. Basic information including rivers and provincial and municipal boundaries are indicated in the prepared base map.
- 2) The groundwater potential areas, based on the geology of the province, are delineated on the base map. The Recent alluvial and/or beach deposits, Pliocene-Quaternary sedimentary formation (clay, silt, sand and gravel) and Pliocene-Quaternary volcanic rock units (pyroclastics, debris flow and tuff) are regarded as possible aquifers considering their high porosity and permeability.

Boundaries between groundwater development potential area and difficult area were defined and delineated as presented in Figure 7.3.1, Main Report.

Data/Report	Analysis/Data Processing	Figures/Tables	Final Output Figure
Administrative & Topographic Maps, NAMRIA (scale 1.250,000)	Delineration of the Provincial & Municipality Boundaries	Base Map	Figure M-7.3.1 Groundwater Availability Map
Rapid Assessment & MPSWRM-JICA, NWRB	Detailed classification of rock units as aquifers	Hydrogeologic Map (Delineration of possible aquifers by rock type) Groundwater Potential Area Map Figure M-7.2.1 Geological Map	
Potential Area for Groundwater Development (Water Resources Investigation, NWRB) Based on Electrical Survey & Well Inventory	Dismbution/Character of Aquifer based on: Geo-resistivity Value* & Groundwater Quality (high Ca. Mg. Fe & Mn contents) *Note: resistivity value does not necessarily corresponds to the actual condition of rock formation & groundwater.	Potential Area Map for groundwater development Potential Area Map of high or low yielding with groundwater quality problems area	
Individual Well Inventory (NWRB/LWUA/DPWH) Well Technical Information	Dismbution of shallow/deep well area is based on existing condition. For safe portable sources, area where shallow and deep wells are both possible, can be defined as deep well area.	Well data summary (actual groundwater distribution by well type) Table 5-7.6.1 Existing Well Sources Table 5-7.6.2 Hydrogeological Description by Municipality Table M-7.7.1 Standard Specification of Wells by Municipality Table D-7.3.3 Groundwater Quality	ity ipality
Groundwater Quality Examination, PSPT Questionaire's Individual Well Inventory, PSPT	Identify spring & well (by type) location & rechnical information.	Table S-7.4.1 Existing Spring Sources Table of technical imformation: specific capacity, depth & SWL Well inventory by Municipality	
Questionaire's Bulk Data by Municipality, PSPT	Summarized the groundwater characteristics of each municipality by category. Proportion of shallow/deep well & difficult.	Table S-7.4.1 Existing Spring Sources	4
Water Resources Summary Data, NWRC Surface Water Quality Examination, PSFT Figure 7.3.1 Workflow of Groundwater Availability Map	ındwater Availability Map	Figure S-7.5.1 River Flow Duration Curve Table S-7.5.2 Probability of Surface Water Table D-7.5.1 Surface Water Quality	Notes Figures/Tables M.; refer to the Main Report Figures/Tables S.; refer to the Spporting Report Figures/Tables D.; refer to the Data Report

 Areas with potential high yielding aquifer in the Water Resources Investigation of NWRB, are reflected in the defined groundwater potential areas.

Based on the results of electric resistivity survey of the above investigation, resistivity values from 20 to 210 ohm-meter indicate a potential high yielding formation. Values less than 10 ohm-meter suggest clayey layer. Figure 7.3.1, Main Report, shows the boundaries of areas with high and low yielding aquifers.

4) Delineate shallow and deep well areas based on well database of NWRB and DPWH central office, well inventory of DPWH-DEO and rock distribution. Figure 7.3.2 presents the categorization in terms of groundwater utilization.

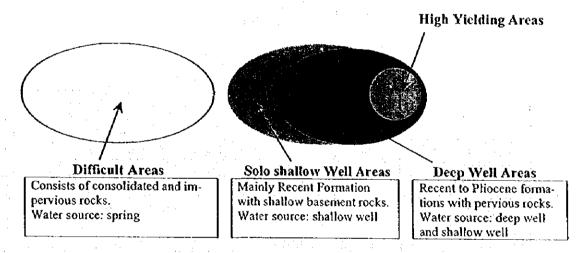


Figure 7.3.2 Area Category by Groundwater Utilization

Solo shallow well areas are defined on the following basis:

- (a) Predominance of serviceable shallow wells and presence of deep wells with water quality problem and/or low yielding aquifers.
- (b) Occurrence of impervious rocks beneath the Recent formation at shallow depth.
- 5) Based on the information provided by NWRB's well inventory and the data obtained through the questionnaires, well specification for each municipality is established as shown in the map. These specifications are used as references in evaluating the groundwater availability in each locality. Individual well locations with technical information are presented in Figure 7.6.1, Data Report.
- (3) Future Updating and Utilization of the Map

 For future updating of the map, the following procedure shall be employed.

- Referring to the results of any supplementary water sources investigation by various agencies, re-define the potential area for groundwater development by applying the aforementioned procedures.
- 2) Update the provincial database using the questionnaire made for the study to make necessary revision of the delineated boundaries of groundwater categories.

7.4 Spring Sources

The numbers and discharge of developed and untapped springs by municipality are shown in Table 7.4.1. The dividing discharge of 2.0 lps for existing developed spring sources means that this capacity is enough for Level II water supply and can be applied to upgrade small-size Level III water supply. The data are derived from the questionnaires and Table 7.1.1 Water Source Information, Data Report.

Table 7.4.1 Existing Spring Sources

	No. of Devel	oped Spring		Untappe	d Spring	
Municipality	Q<2.0 lps	Q>2.0 lps	No.	Ave, lps	Range lps	
Anahawan	8		4	0.6	0.5 ~	0.8
Bontoc	3	5	2	11.1	0.1 ~	22.0
Hinunangan	1	9	4	0.5	0.5 ~	0.5
Hinundayan		_	3	1.0	1.0 ~	1.0
Libagon	_	14	3	3.3	2.0 ~	5.0
Liloan	-	. 6	1	5.7	5.7 ~	5.7
Limasawa Island		1			~	
Maasin	55					
Macrohon		19	5	376.5	240.0 ~	553.9
Malitbog	-	18	7	8.7	2.0 ~	25.0
Padre Burgos	5	1	1	0.5	0.5 ~	0.5
Pintuyan	1		15	2.9	2.0 ~	4.0
Saint Bernard	-	6	-		~	.:
San Francisco	18	3	22	4.0	0.5 ~	15.0
San Juan	6	12	7	2.6	1.1 ~	4.(
San Ricardo	15	_	1	1.0	1.0 ~	1.0
Silago	6	9	5	5.4	0.6 ~	13.:
Sogod	16	2	4	0.4	0.2 ~	0.:
Tomas Oppus		24	6	0.2	0.1 ~	0.

Note: Ave. lps & Range lps mean the average discharge and the range of discharges in lps (liter/second), respectively.

7.5 Surface Water Sources

The major rivers in the province were selected to evaluate their potential as water supply sources to meet the future water needs of the province. The following criteria were adopted for the selection:

- · rivers which have been utilized for domestic use,
- · rivers which have gauging stations, and
- rivers with watershed of 100 km² or more.

Based on the above criteria, the selected major rivers are Dasay, Lawigan, Buac, Salog, Amparo and Canturing Rivers. Bonbon River is tributary of the Salog River as shown in Figure 7.5.1 River Network Map.

The gauging stations in the province are located at the Dasay and Lawigan Rivers, which are shown in Figure 7.5.1. The runoff records are obtained from the "Philippine Water Resources Summary Data" prepared by the NWRC in 1980. The information on the gauging stations and the present uses (water rights) of the major rivers in the province is summarized in Table 7.5.1.

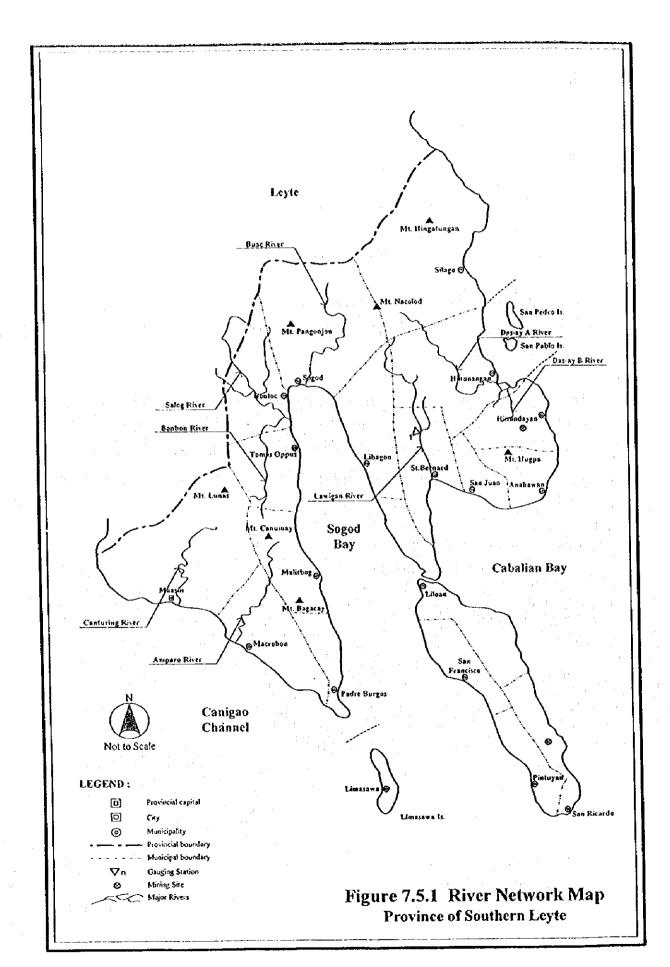
(1) Surface Water Utilization/Water Rights

As seen in Table 7.5.1, the present water uses in the watershed of tributaries of the major rivers total to 2.9 m³/sec. The major diversion points, operated by private associations, are located in Bontoc (Salog River), Hinunangan (Dasay River), Sogod (Buac River) and Saint Bernard (Lawigan River). Mining sites are located in the mountainous area. Most of them are located in Hinundayan and Limasawa Island as shown in the Figure 7.5.1.

(2) River Flow Analysis

The flow duration curves, derived from the available runoff records, are shown in Figure 7.5.2. For the Pagangahan River duration curve, the specific discharge at the Caling-caguin and Valencia Gauging Stations are added for comparison.

The stream flow, maintenance flow, diversion flow and return flow are usually used to estimate the exploitable surface water potential. In this study, the stream flow was considered as the flow potential for domestic use and the diversion flow value was treated



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Table 7.5.1 Gauging Station & River Water Use by Major River Basin

1

E J	Time Dear	[w.formstan	Information from Ganging Station		Surface Wa	ter Use (W	Surface Water Use (Water Rights) in Watershed	n Watershed	
31	Dasm		Directions	(000)	Mirmining	Domestic	Domestic Industrial Imposition	Imication	Others#3
Major	Stream & Main Systems	Lyamage 1 Locadon so.tm No. in Figure 7.5.1	Peak Qo Max. Qox Min. Om Da	Data Period	in watershed	cum/sec	cum/sec	cum/sec	com/sec
1	Das-ay A	g Static			Hinundayan	NR-	NR-4	NR.	NR-1
					Hinunangan	-			
16	Das-ay B				Silago	NR.	NR.	NR.	NR.
	:	62.0 (1): Catublian	86.09 83.58 1.68	1.68 1958-70	Hinunangan	_		0.58	•
Lawigan					Silago	NR•4	NR-4	NR-4	NR.
)					Sogod	NR.	NR-	NR-4	NR-4
			. =		Libagon	NR.	NR-4	NR-4	NR-4
					Hinunangan	NR.	NR-4	NR.	NR.
	•	85.0 (2): Atuyan	100.42 71.53 0.83	1958-70	St. Bernard	•	•	0.82	
Buac		No Gauging Station exists.			Sogod	* •		0.67	•
Salog	Bonbon	No Gauging Station exists.			Maasin	N.S.	NR-4	NR*	NR.
•					Malitbog	NR.	NR•4	NR.4	NR-
· · ·	•				Tomas Oppus	NR.	NR-4	NR-4	NR.
					Bontoc			0.02	-
1.2	Main	No Gauging Station exists.			(Leyte)-s	NR-4	NR-4	NR-4	NR.
				•	Bontoc	•		0.55	•
Атраго		No Gauging Station exists.			Maasin:	NR.4	NR-4	NR.	NR"
					Malitbog	NR•4	NR.	NR-4	NR-4
					Macrohon	•	•	0.05	,
Cantering		No Gauging Station exists.			Maasin	•	,	0.21	•

Source; Philippine Water Resources Summary Data, established January 1980 by NWRC

Notes;

as the equivalent to the discharge of water rights registration in surface water use. No detailed study on the return flow has been performed yet due to the difficulties in investigating the irrigation, evapotranspiration and recharge value to groundwater, etc. within the entire watersheds in the province. Therefore, the return flow was not considered for the estimation of exploitable potential.

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It is generally accepted that to secure the required volume for water supply, each water use sector adopts the different return periods. Usually, the dependability of domestic water supply is taken to be 90% or higher (10-year or longer return-period) of the whole hydrological period.

In determining the river maintenance flow, such factors as runoff characteristics, navigation, fishing, picturesque scenery, salt water intrusion, clogging of river mouth, riparian structures, groundwater table, flora and fauna, and river water quality shall be considered to maintain the normal function of the river. In the Philippines, 10% of the dependable flow of the river is required as minimum maintenance flow. Therefore, the maintenance flow was calculated as the dependable flow for irrigation, which equals to 80% (5-year return-period) of the whole hydrological period.

Finally, the exploitable potential of surface water in the province was studied in the case of inflow to and outflow from the respective municipalities. The results are summarized in Table 7.5.2.

(3) Surface Water Quality

Mining sites exist upstream of the Dasay River and in southern mountains area of Panaon Island. Majority of their products is copper. The locations of the mining sites are shown in Figure 7.5.1.

The results of water quality analysis are summarized in Table 7.5.1, Data Report. The sampling locations were selected upstream of the respective municipalities. In the said table, Class AA and Class A of the DENR "Water Quality Criteria for Fresh Water" are shown as reference for raw water evaluation. The PNSDW-1994 is also used to evaluate water quality with reference to turbidity and trace elements. The water quality of the Dasay River is classified as "B" standard and selected other major rivers falls within the class "A" standard, although the parameters tested are limited.

Percent		Specific Discharg	g e (cum/see/100sq.km)	
of Time (%)	Das-ay River	Lawigan River	Pagangahan-Baleon River	Pagangahan- Calingcaguin River
(No. in Figure 7.5.1)	1	2	Leyte	Leyte
10%	25.61	14.62	7.47	11.11
20%	20.78	10.51	6.58	9.33
30%	16.03	9.08	5.63	7.81
40%	11.55	7.33	5.37	6.63
50%	8.42	5.04	4.95	5.59
60%	7.37	3.99	4.63	4.97
70%	5.58	2.70	4.32	4.26
80%	4.74	2.11	4.11	3.68
90%	3.69	2.03	3.68	3.18
100%	1.66	1.00	1.53	1.86
Data Period	1958-70	1958-'70	1956-'70	1948. 70

Source; Philippine Water Resources Summary Data, as of Jan. 1980 by NWRC
Interim Report, Master Plan Study on Water Resources Management, as of Oct. 1997 by NWRB

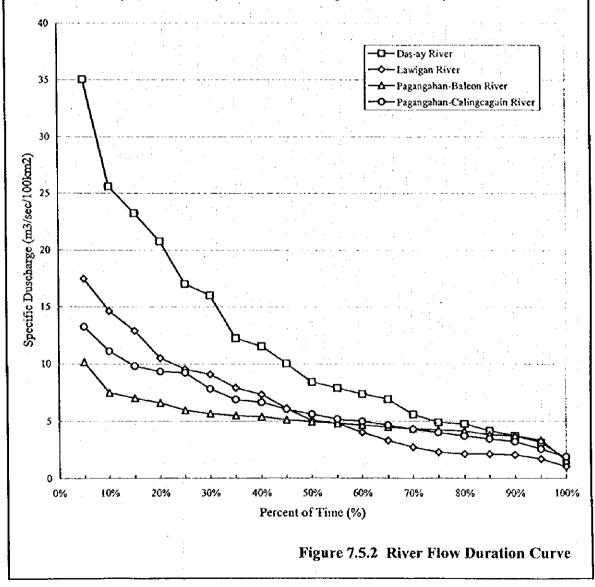


Table 7.5.2 Probability of Surface Water

			IVO	Daloted Data					E.	S jo villidad	urface Wate	r (10-year r	Probability of Surface Water (10-year returen-period)	ନ	
Surface Water Sources	Sources		NA.		- 1					A. m. caiman lang		Ĉ	ilet Elow from	Outer Flow from Municipality	
		Location	2000	Watershed	Area in S	Sp. D (return-period)	Ç00	or miles	I LIOM (O I	<u> </u>					
Major	System	Municipality &	1	Location	Upstream	10-year 5	5-year	S/Flow (s) M	M/Flow (6)	Use	Potential (8)	S/Flow (9)	S/Flow (9) M/Fiow (10)	Cse(11)	rotential (32)
Diver Works	P. Marin	other Province		3	9	©		COMO (AMA)	Chica productions.		(SXeXC)	CS)-(C)-(C)	.	- }	(a) Modern
עוגבו אשוכו	C tytelii	myob of meaning	outlet or inlet	sa.km	sa.km	0	0	co.m/sec - ci	co.m/sec	cv.m/sec	cu.m/sec	cu.m/sec	!		335/LL 113
To se	120-3V A	Dac-ay A Hinnndayan		15.76	00.0	3.69	4.74	0.00	0.00	00.00	0.00	0.58	0.07	0.00	0.51
	; (n	Hinimangan to B	a c	2.03	15.76	3.69	4.74	0.58	0.07	00:0	0.51	0.66	0.08	0.00	0.57
.J <u>.S</u>	Dar av B			15.42	00.0	3.69	4 74	0.00	0.00	0.00	00.0	0.57	0.07	0.0	0.50
1	ים למיכמי	Himmangan	from A	72.89	33.21	3.69	4.74	1.23	0.16	0.00	1.07	3.92	0.50	0.58;	2.84
the state of the s		Silano		1.54	00.0	2.03	2.11	0.00	0.00	00.0	0.00	0.03	0.00	0.00	0.03
Cawigan Cawigan		Special		4 16	1.54	2.03	2.11	0.03	0.00	0.00	0.03	0.12	0.01	0.00	0.10
		Joseph T. Taranga		60 5	5.71	2.03	2.11	0.12	0.01	0.00	0.10	0.22	0.02	0.00	0.20
		Libagon		46.57	10.70	2.03	2.11	0.22	0.02	00.0	0.20	1.16	0.12	0.00	1.04
		C. Domonda		62 35	27.36	2.03	2.11	1.16	0.12	00.0	1.04	2.43	0.25	0.82	1.35
		Secon		82.00	800	3 18	3.68	0.00	00.0	00.0	0.00	2.64	0.31	0.67	1.66
	Donkon	Massin		4 08	000	3.18	3.68	0.00	00.0	00.0	0.00	0.13	0.02	0.00	0.11
d gomes	HOOHO	Malithon		12.25	4.08	3.18	3.68	0.13	0.02	0.0	0.11	0.52	90:0	0.00	0.46
	•	Tomas Omnis		55.13	16.34	3.18	3.68	0.52	90.0	0.00	0.46	2.27	0.26	0.00	2.01
		Rontoc	to Main	8.17	71.47	3.18	3.68	2.27	0.26	0.00	2.01	2.53	0.29	0.02	2.22
1.8	Main		from Bonbor	83.72	124.56	3.18	3.68	3.96	0.46	0.02	3.48	6.62	0.77	0.57	5.28
1	Tentr	Massin		12.18	00.0	3.18	3.68	0.00	0.0	0.0	00.0	0.39	0.04	0.00	89
ometine.		Malithoo		11.08	12.18	3.18	3.68	0.39	0.04	0.00	0.34	0.74	0.09	0.00	0.65
		Macrobon		26.58	23.26	3.18	3.68	0.74	60.0	0.00	0.65	1.58	0.18	0.05	135
Canturing		Maasin		45.41	00.0	3.18	3.68	0.00	0.00	00.0	0.00	1.44	0.17	0.21	1.07
Courtes and															

Notes;

Sp. D (Specific Discharge) was analyzed by montly mean flow records from gauging station. S/Flow (Stream Flow) was estimated specific diacharge (10-year return-period) multilied by upstream area.

M/Flow (Maintenance Flow) was estimated 10% of river flow in case of 5-year return-period.

Sp.D (10-year or 5-year return-period) without gauging station was adopted by the other analysis result from near gauging station.

Inlet & outlet "Use" (Water Rights) are summed up by NWRB Database, as of March 1997...

Unit Q for Specific Discharge is cu.m/sec/100 sq.km.

S/Flow, M/Flow & Use in final outlet flow of each stream system was added to respective inlet flows' of main system.

7.6 Future Development Potential of Water Sources

(1) Groundwater

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A well inventory covering all the municipalities shows that there are 3,508 existing wells in the province, while 323 wells are recorded in the inventory prepared by PSPT (See Table 7.1.1 and 7.3.1, Data Report). Despite the smaller number of wells included in the PSPT data, these were used in the analysis, since these provided technical information. Of the total 323 wells, 281 wells are classified into shallow well and 273 have complete information: depth, static water level and specific capacity. Data are summarized in Table 7.6.1 Existing Well Sources.

Table 7.6.1 Existing Well Sources

Municipality	Туре	No.		Depth (m)	S	WL (mbgs)	Sp.	Cap. (lpsm)
	i ype	100.	Ave.	Range	Ave.	Range	Ave.	Range
Anahanwan	DW	-		-		-		
Anananwan	sw	10	9.5	6.0 - 18.0	3.1	3.0 - 6.0	1.1	0.2 - 6.9
Bontoc	DW	13	34.3	21.0 - 48.0	1.8	ff - 3.0	0.2	0.2 - 0.2
Domoc	sw	17	12.3	3.0 - 19.0	3.0	3.0 - 3.0	0.2	0.2 - : 0.2
11:	DW	2	60.0	60.0 - 60.0	3.0	3.0 - 3.0	0.2	0.2 - 0.2
Hinunangan	sw	24	15.5	12.0 - 18.0	3.0	3.0 - 3.0	0.2	0.2 - 0.2
1523	DW	-		-		-		-
Hinudayan	sw	6	7.5	5.0 - 12.0	3.0	3.0 3.0	0.2	0.2 - 0.2
T -1	DW	-		-			÷	
Libagon	sw	16	5.9	5.4 - 6.0	3.8	3.0 - 6.0	0.2	0.2 - 0.2
7 -4	DW	-		-		-		_
Liloan	sw	4	8.8	6.0 - 10.0	3.0	3.0 - 3.0	0.2	0.2 - 0.2
	DW	·		-		-		
Limasawa Island	sw	12	10.2	6.0 - 17.6	2.8	2.0 - 3,0	1.3	0.2 - 6.7
	DW	3	25.6	21.2 - 29.0	3.0	3.0 - 3.0	0.2	0.2 - 0.2
Maasin	sw	68	11.8	4.0 - 18.0	3.0	3.0 - 3.0	0.2	0.2 - 0.2
	DW	6	27.4	24.0 - 35.0	5.1	3.0 - 9.5	1.3	0.2 - 6.7
Macrohon	sw	21	9.9	4.0 - 18.0	3.0	3.0 - 6.0	0.2	0.2 - 0.2
	DW	12	23.1	21.0 - 28.0	4.5	3.0 - 6.0	0.2	0.2 - 0.2
Malitbog	sw	19	5.8	5.4 - 6.0	3.2	3.0 - 6.0	0.2	0.2 - 0.2
	DW	-				-		-
Padre Burgos	sw	17	7.3	5.0 - 12.0	3.0	3.0 - 3.0	0.2	0.2 - 0.2

Table 7.6.1 Existing Well Sources

(cont'd)

(1)

	m		3	epth (m)	S	VL (mbgs)	Sp.	Cap. (lpsm)
Municipality	Туре	No.	Ave.	Range	Ave.	Range	Ave.	Range
***	DW			-		•		•
Pintuyan	sw	-		•		_		•
5 . D	DW	-		-		-	:	•
Saint Bernard	sw	-	:	•		-		-
	DW	-						•
San Fernando	sw	16	5.4	4.0 - 11.0	3.7	3.0 - 6.0	0.8	0.2 - 1.9
A .	DW	3	20.3	20.0 - 21.0	4.5	3.0 - 6.0	0.2	0.2 - 0.2
San Juan	sw	19	10.6	6.0 - 16.0	3.0	3.0 3.0	0.2	0.2 - 0.2
a n: 1	DW	-		. •		-		-
San Ricardo	sw	2	15.0	12.0 - 18.0	3.0	3.0 - 3.0	0.2	0.2 - 0.2
0.1	DW	-		-		-		-
Silago	sw	9	6.8	4.6 - 9.2	4.7	3.0 - 6.0	0.2	0.2 - 0.2
0 1	DW]				-		
Sogod	sw	14	10.0	6.0 - 19.0	2.9	2.0 - 3.0	0.3	0.2 - 1.
T. 0	DW	3	24.0	24.0 - 24.0	3.0	3.0 3.0	0.2	0.2 - 0.
Tomas Oppus	sw	7	14.2	6.0 - 18.0	3.0	3.0 - 3.0	0.2	0.2 - 0.

Notes; The values of "Ave. depth, SWL and Sp.Cap." by municipality are estimated using the weighted average based on 1995 census population in respective barangays at well location.

Legend; SWL=static water level, Sp.Cap.=specific capacity, Ave.=average, SW=shallow well, DW=deep well and ff=free flowing well

Considering the well information, the most productive wells are those with the depth ranging from 5.0m to 12.0m and from 24.0m to 60.0m. The good yielding wells have static water level varying from about 3.0m to 6.0mbgs and specific capacity of about 0.9 lpsm to 6.9 lpsm.

Based on the hydraulic characteristics and location of wells in Southern Leyte, aquifers are widely distributed in most area of western peninsula and western-half of eastern peninsula in the province. Solo shallow well area is not distributed in the province. The Miocene and older rock units are widely distributed in eastern-half of eastern peninsula and southern islands of the province that are classified as difficult area for groundwater development.

As indicated in Figure 7.3.1 Main Report, the river mouse is a high yielding potential area covering some coastal parts of the province. In eastern peninsula areas where surroundings are Mt. Hugpa and Mt. Hingatungan, groundwater examination indicates

acidic trend of pll values ranging from 5.9 to 6.6.

}

As alternative water sources, the untapped springs can be developed for future use. These are the most reliable sources for water supply in the province because groundwater quality has a serious problem of ironic/acidic water. Existing spring sources of 496 are utilized for water supply and they originate from the highlands or mountains in promontory areas of both side peninsulas and southern islands of the province. The untapped springs of 52 are proposed as future water sources in the areas of Bontoc, Libagon, Liloan, Macrohon, Malitbog, Pintuyan, San Francisco, San Juan and Silago.

Iron removal facilities shall be considered for Level-I deep well facilities in case there are no alternative spring sources in deep well areas with water quality problem of ironic groundwater. The proportion of the iron removal facilities to be constructed for Level-I deep well facilities covering entire province is estimated at 10%.

The detailed hydrogeological characteristics of each municipality are summarized in Table 7.6.2, while individual well locations with technical information are shown in Figure 7.6.1 individual Well Location and Specification Map, Data Report.

Additional wells shall be designed employing "gravel packed well" with a gravel thickness of about 50mm or more depending on the grain sizes of aquifers and pumping capacity. While, natural gravel packed well may be adopted within the areas where well-sorted natural gravel formation is distributed at the expected aquifer. Such areas are usually the upstream areas of alluvial fans or plains in the province. The application of such method for Level-I well is also justifiable, since inflow velocity of groundwater through the screen is very low because of minimal pumping rate by means of hand-pump operation.

Generally, shallower well has a higher possibility to be constructed by the natural gravel packed method than the deeper one in areas formed by recent deposits. This is because the layers at different depths of alluvial plain or fan deposits had been formed by different situations of transportation and sedimentation between varied grain sizes. The adaptability of the natural gravel packed well is experimentally assumed referring to the limited information such as topography, geology, static water levels, etc., as shown in Table 7.6.3.

Table 7.6.2 Hydrogeological Descriptions by Municipality

									Well Info	Well Information				ত	Groundwater Information	r Inform		
_			Ground Information	manam			T	4		JAN 5		1	۲	Availability		Potential	Š	Ouality
	ř	Topography	i i	Ğ	Geology		;	Deptu	3	7	3	12				Signature of the state of the s	Y SZA	Area Feature
Municipality	*	Ares Proportion (%)	-		Stratigraphy	graphy of Geological Age*	(cal Age*	£		mòg;	med)		Area	Ares Proportion (7s)				
in the distribution of the second	Platin	Hmy-	Lithofacies (Major Aquifers)	ξ. •	-	Terrismy	3	mini max.	aja (A&R	ž	Ç X	A.S	Ř	DIFF. Wells	Springs	Problem	Pollutanti
	Pater	Piedmont	Plateau Piedmont		Neo.	Paleo	_	-	_	_		ĺ	/00	100	VA2m / 2000 1 - 700	17(5)		ສາເພເພ
Anahawan	4%	%0	96% weathered volcame	×		- – ,		9	3.0	0.0	1.1	2	 	\$	CACH OCOO			,
Bontoc	2%	%18	8%, limestone sediments	밑	×	× -		3.4	48 ff	3.0	0.2	1	%0	86%	14% poor	few.		
Hinungagan	%8		~	×	×	×	~	12 6	60 3.0	3.0	0.2	0	%0	28%	72% fair	:rich:	acidic &	
Hinundayan	%9		- -	×	×	×		5	12 3.0	3.0	0.5	٥	%0	14%	86% fair	nch	acrdic & ironic	mining
Libacon	27%	- 1	22%	×	×	×		. 2	6 3.0	0.9	0.2	0	%	% 96	4%, good	poor	. Y =	
The state of the s	200	-		מ מ	×	_ ×		9	10 3.0	3.0	0.2	0	%	24%	76% fair	, Lcw		
	9/0		- 1	· ·:						_	-	c	780	18	vski 100% insky	don		
Limasawa Is.	2%	18%		¥		×		٥				9						
Maasin	7%	81%	17% limestone sediments	alts i	×	×		2 . 2	29 3.0	3.0	0.7	0	%0	%4%	6%:poor	ncn		
Macrohon	2%	80%	15%	× -	×	×		4	35 3.0	6.6	0.4	0	%	%86	2% poor	eg.		
Malithor	2%	82%	16% Ismestone sediments		×	×		5 2	28 3.0	0.9	0.2	p4	%0 ·	11%!	23% poor	13C		
Padre Burgos	184	1.	: [×	×		5	12 3.0	3.0	0.2	0	%0	91%	9% poor	wo:		;:
Pinfrivan	2%	1		×	×	×					١.	0	%0	%0	0% 100% risky	nch		கும்கள்
Saint Bernard	3,9%	-	47%	×	×	×			•		.	0	%	47%	53% fair	nch	acidic & ironic	
San Francisco	,0%	1.	%69	×	×	×		4	11 3.0	0.9	0.8	0	%0	42%	58% fair	nch	1	
San Juan	%	,		s ×	×	×	_	9	21 3.0	0.9	0.2	٥	%	%8	92% роог	nch	acrdic &	Surum
San Ricardo	1%	İ	: [×	×	×	ļ	12	18 3.0	3.0	0.2	0	%0		0% 100% risky	rich		mining
Silago	4%	13%	83% moons deposits	*	×	×		\$	9 3.0	0.9	0.2	0	%0		81% fair	.	acidic &	
Sogod	11%	41%	48% recent deposits &		×	×		9	19 2.0	3.0	0.3	0	%0	26%	21% good	lew		
	è	610/		ENG:	*	×		9	24 3.0	3.0	0.2	0	%0	83%	17% poor	tew		
I omas Oppus	0/7	ı	. 1					311000000000000000000000000000000000000										

Legend; Geological Age, Q-Quaternary, Neo.=Neogene, Paleo.-Paleogene, O-Cretaccous
Well Information, SWL-static water level, Sp.Cap.-specific capacity, L-III-wells operated for L-III service
Groundwater Information, SW-solo shallow well area, DW-deep well area, Diff.=difficult area, ff-free flowing well

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Table 7.6.3 Proportion of Gravel Packed and Natural Gravel Packed Wells

Municipality	Proposed	Proportion (%)	of Level-I Deep Wells
(only potential area)	Well Depth	Gravel Packed	Natural Gravel Packed
Hinunangan	80 m	90 %	10 %
Hinundayan	40 m	90 %	10 %
Libagon	80 m	90 %	10 %
Liloan	80 m	90 %	10 %
Macrohon	80 m	90 %	10 %
Saint Bernard	80 m	80 %	20 %
San Francisco	40 m	90 %	10 %
Silago	40 m	90 %	10 %
Sogod	120 m	90 %	10 %

Examination on the effective grain sizes and uniformity coefficient by sieve analysis at the influential aquifers (composed of coarse sand and/or fine gravel) should be conducted during the implementation period. Such analysis and actual well construction results (sand pumping, cet.) are very helpful to apply the natural gravel packed method in future planning.

In eastern peninsula of the Leyte Central Highlands area, it is reported by DPWH/DEO that numerous deep wells present high Fe contents (PNSDW; Fe<=1.0ppm). The groundwater quality examination was performed by the PSPT. Groundwater with high Fe and acid pH values seems to be present in this Leyte Central Highlands based on examination results. Ironic water pumped from deep wells is caused by groundwater itself, well materials eluded in acid water, or combination of groundwater and well materials. There are four cases on water quality problem in terms of Fe and pH value as follows:

- (1) Iron concentration is less than the PNSDW (1ppm) and the pH value of groundwater indicates neutral or alkaline. There is a low possibility of iron contamination through the future.
- (2) Although iron concentration is within the PNSDW, groundwater shows an acid pH value. There is a possibility of iron contamination from steel materials.
- (3) Iron concentration exceeds the PNSDW and groundwater shows neutral or alkaline.

 There is iron contamination caused by groundwater itself.
- (4) Iron concentration exceeds the PNSDW and groundwater shows acid pH side. There is a possibility of iron contamination caused by groundwater and/or well materials.

Where groundwater has high Fe contains, the Iron Removal Facility shall be additionally installed. Where the parameter of groundwater indicates acid pH side, the well materials shall be designed to use anti-corrosive materials, such as anti-metallic (polyvinyl chloride; PVC) or anti-corrosive metal (stainless steel; SUS) materials.

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Generally, shallower well presents alkalinity. This is because the shallow wells are usually constructed in altuvial plain or fan deposits. The well casing materials of the said anti-corrosive shall be used for deep wells. The development of deep wells using anti-corrosive materials in the province is experimentally assumed referring to the limited information such as results of water quality examination, geology, etc., as shown in Table 7.6.4.

Table 7.6.4 Proportion of Wells to be Constructed by Different Materials

Municipality	Proposed	Proportion (%) of	Level-I Deep Wells
(only potential area)	Well Depth	GI Casing Pipes	PVC Casing Pipes
Hinunangan	80 m	50 %	50%
Hinundayan	40 m	50 %	50 %
Saint Bernard	80 m	50 %	50 %
Silago	40 m	60 %	40 %

Water quality examination on Fe and pH parameters should be conducted during the implementation period. Such groundwater quality analysis is very helpful to design well materials in future planning.

(2) Spring

Untapped spring sources identified are shown in Table 7.6.5. These data were collected and tabulated using the questionnaire sheet-untapped spring information format, Data Report. Data also include barangay name, owner, discharge, transmission pipeline length and relative elevation.

Table 7.6.5 Untapped Spring Sources Identified

_.	ocation			Untapped Spi	
Municipality	Barangay	Owner	Discharge (lps)_	T.L.L.* (km)	Relative Elevation (m)
Anahawan	Amagusan	NA	0.5	2.0	NΛ
	Calintaan	NA	0.5	1.0	NΛ
	Capacuhan	NΛ	0.6	1.0	NA
	Kagingkingan	NΛ	0.8	1.0	NΛ
Bontoc	Beniton	NA	0.1	0.8	NΛ
	San Ramon	NA	22.0	6.0	NA
Hinunangan	Calinao	NA	0.5	0.8	NA
	Santo Nino I	NA	0.5	2.0	NA
	Tuburan	NA	0.5	1.0	NA
	Upper Bantawon	NA	0.5	1.3	NA
Hinundayan	Amaga	NΛ	1.0	5.0	, NA
	Biasong	NA	1.0	3.5	NA
i,	Hubasan	NΛ	1.0	3.0	NA
Libagon	Biasong	NA	2.0	0.2	NΛ
	Cawayan	NA	3.0	1.5	NA
; ,	Nahulid	NA	5.0	3.5	NA
Liloan	Poblacion	NA	5.7	8.0	NA
Macrohon	Cambaro	NA	498.5	2.1	. NA
	Canlusay	NA	250.0	0.8	NA NA
	Danao	NA NA	553.9	0.2	NA
	Mabini	NA.	340.0	0.5	NΛ
, '	Salvador	NA	240.0	2.0	NA
Malitbog	Candatag	NA	5.0	3.0	NA
	Juangon	NA	2.0	1.8	NA
1	Maningning	NA	5.0	2.0	NA
	San Jose	NA	2.0	3.5	NA
	Sangahon	NA	20.0	3.5	NA
	Tigbawan II	. NA	2.0	1.3	NA
	Tima	NA	25.0	2.2	NA
Padre Burgos	Bunga	NA	0.5	1.5	NA
Pintuyan	Balongbalong	NA	2.5	2.7	NA
	Buenavista	NA	3.0	3.0	NA
	Bulawan	NA	3.0	2.0	NA
	Canlawis	NA	2.0	3.0	NA
	Catbawan	NA	4.0	3.0	NA

Table 7.6.5 Untapped Spring Sources Identified

(Cont'd)

I.	ocation	<u> </u>		Untapped Spi	ring
Municipality	Barangay	Owner	Discharge (lps)	T.L.L.* (km)	Relative Elevation (m)
	Caubang	NA	3.0	1.5	NA
	Lobo	NA	2.5	3.0	NA
	Mainit	NA	2.5	3.0	NA
	Nueva Estrella Norte	NA	2.5	3.0	NA
	Nueva Estrella Sur 🗀	NA	3.0	2.5	NA
•	Poblacion Ibabao	NΛ	3.0	3.0	NA
	Ponod	NA	3.5	1.7	NA
	Santa Cruz	NA	3.5	3.0	NA NA
+	Sonok II	NA	3.0	3.0	NA
	Tautag	NA	2.5	3.0	NA
San Francisco	Anislagon	NA	1.2	2.2	NA
	Bongawisan	NA	5.0	2.0	NA
	Bongbong	-NA	0.8	3.0	NA
	Cahayag	NA	7.0	0.1	NA
	Causi	NA	2.0	0.2	NA
	Central	NA	15.0	6.0	NA
	Dakit	NA	15.0	6.0	NA
	Gabi	NA	5.0	2.0	NA
	Habay	NA	0.5	0.8	NA
	Malico	NA	5.0	1.5	NA
	Marayag	NA	5.0	2.0	NA
	Napantao	NA	0.7	0.8	NA
	Pasanon	NA	1.0	2.5	NA
	Pinamudlan	NA	0.6	0.5	NA
	Punta	NA	3.0	1.5	NA
* + -	Santa Cruz	NA	0.8	1.1	NA
	Santa Paz Norte	NA	1.0	1.5	NA
	Santa Paz Sur	NA	1.2	1.2	NA ·
	Sudmon	NA	1.2	1.2	NA
	Tinaan	NA	0.6	0.3	NA
	Tuno	NA	0.8	0.3	NA
	Ubos	NA	15.0	6.0	NA
San Juan	Minoyho	NA	1.2	3.0	NA
- · · · · · · · · · · · · · · · · · · ·	Osao	NA	1.1	1,8	NA
	Pongoy	NA	2.0	2.8	NA

Table 7.6.5 Untapped Spring Sources Identified

(Cont'd)

I	ocation		a di autorian deserbitan yang sebuah	Untapped Sp	(Con('d) oring
Municipality	Barangay	Owner	Discharge (lps)	T.L.L.* (km)	Relative Elevation (m)
	San Jose	NA	4.0	5.0	NA
	Santa Cruz	NA	4.0	5.0	NA
	Santo Nino	NΛ	4.0	5.0	NA
	Somoje	NA	2.2	1.7	NA
San Ricardo	Benit	NA	1.0	6.0	NA
Silago	Hingatungan	NΛ	6.0	4,0	NA
	Imelda	NA	4.0	1.4	NΛ
	Poblacion District II	NA	13.3	11.0	NA
	Sapang	NA	0.6	2.0	NA NA
	Tubaon	NA	3.0	3.0	NA
Sogod	Dagsa	NA	0.2	0.1	. NA
	Javier	NA	0.4	0.1	NΛ
	Mac	NA	0.5	0.2	NA
· · · · · · · · · · · · · · · · · · ·	Maria Plana	NA	0.3	1.0	NA
Yomas Oppus	Anahawan	NA	0.1	0.3	NΛ
	Biasong	NA	0.3	0.3	NA NA
	Luan	NA	0.1	0.5	NA
	Mapgap	NA	0.1	0.2	NA
	Maslog	NA	0.5	0.2	NA
	San Agustin	NA	0.2	0.3	NA

Note: T.L.L. - Transmission line length

NA - Data not available

7.7 Water Source Development for Medium-Term Development Plan

7.7.1 Detailed Groundwater Investigation Required

(1) Water Quality Examination

Water quality problem areas are distributed in most eastern part of the province. Such water quality problem depends on the types of water source (e.g., water from well, spring or river).

For the deep well source, high Fe contents is the most serious problem. The causes of this high Fe content are that: (a) raw groundwater is ironic and/or (b) Fe is released from well materials made of steel due to low pH value (acid water). The countermeasures are considered in this report, such as construction of the iron removal facility for Fe contents

groundwater and well construction using the anti-corrosive materials for acid groundwater.

Spring source shows slightly acidic, but it is potable. However, there are mining sites in mountain area where spring eyes exist. The wastewater discharged during operation of mining production might have affected in the watershed/recharge areas for spring sources.

Water quality examination was conducted by the PSPT through the PW4SP preparation. However, water quality parameters are limited and not enough for future project implementation. Following additional examination shall be conducted.

Level-I Deep Well

- · Sampling Site; Leyte Central Highlands Area
- . Examination Parameters; to include Fe, Mn, pH, Color and Turbidity, etc.

Developed and Undeveloped Spring

- · Sampling Site; Leyte Central Highlands Area
- Examination Parameters; to include Fe, Mn, pH, SO4, Hg, Cu, etc.

7.7.2 Spacing Allocation for Level II and III Wells

The pumping rates required for Level I facilities are fairly lower than that for Level II and III systems. The well interference in Level I facilities need not to be studied in terms of spacing of wells and production rate, since most formations in shallow and deep well areas generally have enough groundwater development potential. As Level II and III wells are usually expected to produce larger discharge to meet the water demand, the spacing of wells to avoid well interference has to be considered. Spacing allocation for Level II and III wells was examined considering specific capacity, pumping rate, and assumed drawdown of 1cm at the interference radius for a pumping duration of 16 hours.

(1) Specific Capacity

According to the existing well source information, specific capacity was considered with ranges from 0.5 lpsm to 6.5 lpsm. To simplify the calculation, an average value in each range is adopted in the calculation of interference radius.

(2) Pumping Rate

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The pumping rate was estimated by assuming a drawdown of 10m with the average value of specific capacity and pump operation of 16 hours/day. The formula used to determine proper well spacing is the Jacob modified equation. Drawdown at the interference boundary is assumed at 1cm after a pumping duration of 16 hours.

Table 7.7.1 presents the estimated spacing requirements and number of wells to be constructed within a well field of one km². The spacing interval between adjacent wells to avoid well interference is planned to be more than twice the distances of the calculated interference radius.

Table 7.7.1 Spacing Arrangements for Planned Wells

Range of Specific Capacity (lpsm)	Estimated Pumping Rate (m³/day)	Estimated Interference Radius (m)	Estimated Number of Wells/km²
0.5 - 1.5	500	80	45
1.5 - 3.0	1,000	120	20
3.0 - 4.5	2,000	160	11
4.5 - 6.0	2,500	200	7
> 6.0	>2,500	>200	>7

FUTURE REQUIREMENTS AND DEVELOPMENT PLAN B

8. FUTURE REQUIREMENT IN WATER SUPPLY AND SANITATION IMPROVEMENT

8.2 Targets of Provincial Sector Plan

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Percentage Coverage Population Served in the Base Year (1998) 3286 8888 Total Level I Level III Level II Table 8.2.1 Estimation of Base Year Service Coverage of Water Supply Population Served by Planned/On-going Projects Total Level 1 Level II Level III Total Population Served by 1998 Facilities 615 Level I 721 4,948 12,763 Level II Level III 9,146 10,596 4,557 12,204 (1998) Area Urban
Rural
Total
Urban
Rural
Total
Urban
Rural
Total
Urban
Rural
Total
Urban Crean Rural Total Urban Rural Total Name of Municipality Aaasin (Capital) negaeunu nevabanai Anahawan ewasami Macrohon Malithog nogedi Bontoc Joan

Table 8,2.1 Estimation of Base Year Service Coverage of Water Supply (Cont'd)

				Popula	Population Served	by 1998 Facilities	cilities .	Population	Population Served by Planned/On-going	· Planned/(On-going	Pop	Population Served in the Base Year (1998)	ved in the	Base Year	(3661)
Urbean 2,543 2,665 302 2,367 1,102 1,102 1,226 1,820 2,329 2,325 1,102 1,102 1,226 1,820 2,329	Name of Municipality	Area	Population (1998)	Level III	Level II	Levell	1_		Level II	Level 1	Total	Level III	Level II	Level 1	Total	Percentage Coverage
Urban 2.134 1.226 1.386 1.226 1.889 2.127 2.596 Total 7.664 3.188 1.226 2.187 6.596 2.188 1.226 2.187 2.292 Promi 7.664 3.188 1.226 2.187 6.596 2.187 2.187 2.182 6.596 Promi 7.664 3.188 1.226 2.187 3.209 2.187 2.187 2.187 2.187 2.599 Promi 8.457 1.172 2.127 3.209 3.400 4.376 3.400 3.400 4.376 3.500 3.187 3.229 3.400 4.376 3.400 4.376 3.400 4.376 3.400 4.376 3.400 4.376 3.400 4.376 3.400 4.376 3.400 4.376 3.400 4.376 3.400 4.376 3.400 4.376 3.400 4.376 3.400 4.376 3.200 3.400 4.376 3.200 3.187 3.420 3.400						200	735.0					2.065		302	2,367	93
Ruml 5,121 1,123 1,226 2,189 4,229 2,183 1,226 2,189 4,229 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,182 2,282 2,282 2,282 2,282 2,282		Crban	2,543	2,065		Ì	100.7					1.123	1.226	088.1	4.229	83
Total 7,664 3,188 1,250 2,182 2,127 3,016 2,029 2,127 3,016 <th< td=""><td>Padre Burgos</td><td>Rural</td><td>5,121</td><td>1,123</td><td></td><td></td><td>677.4</td><td></td><td></td><td></td><td></td><td>3.188</td><td>1,226</td><td>2,182</td><td>6.596</td><td>%</td></th<>	Padre Burgos	Rural	5,121	1,123			677.4					3.188	1,226	2,182	6.596	%
Runal 1,048 825 2,127 3,016 Runal 7,409 829 2,127 3,029 Toban 8,475 1,127 2,127 3,299 1,172 2,127 3,299 Toban 8,475 3,180 2,180 2,180 1,172 2,181 1,290 Urban 2,275 3,400 1,181 1,2907 3,400 3,400 3,400 3,400 3,400 3,400 3,400 3,400 3,400 3,400 1,181 1,200 1,181 1,200 1,181 1,200 1,181 1,200 1,181 1,200 1,181 1,200 3,400 1,182 3,400 1,181 1,200 1,181 1,200 1,181 1,200 1,181 1,200 1,181 1,200 1,180 1,180 1,180 1,180 1,180 1,180 1,180 1,180 1,180 1,180 1,180 1,180 1,180 1,180 1,180 1,180 1,180 1,180 1,180		Total	7,664	3,188			06,00					283			283	27
Rumal 7,400 88.9 2,127 3,010 1,172 2,127 3,209 Toust 8,457 1,172 2,127 3,400 7,117 2,127 3,209 Urban 1,475 3,400 2,350 7,181 1,4507 4,976 2,350 7,181 1,4507 Rumal 18,055 4,976 2,350 7,181 1,4507 4,976 2,350 7,181 1,7307 Rumal 2,022 1,844 3,049 567 3,616 1,720 1,220 3,616 3,520 7,181 1,7307 Rumal 7,029 4,379 885 5,284 8,274 3,509 679 5,720 Rumal 7,490 4,379 885 5,284 8,270 4,379 8,707 1,716 1,716 1,716 1,716 1,716 1,716 1,716 1,716 1,720 1,716 1,716 1,720 1,720 1,720 1,720 1,720 1,720 1,720 1,7		Urban	1,048	283	١		207					088	2.127		3.016	4]
Total R-457 1,172 2,187 3,409 3,400 3,400 1,175 1,17	Pintuyan	Rural	7,409		İ		3,016					1.172	2.127		3,299	39
Human 3,475 3,400 4,376 2,350 7,181 1,307 1,20		Total	8,457		1		3,299					3,400			3.400	98
Rural 18,085 4,976 2,350 7,181 17,907 3,616 2,502 2,512 3,616 2,522 3,616 2,522 3,616 2,522 3,616 2,522 3,616 3,617		Urban	3,475				3,400					4.976	2,350	7,181	14,507	os
Total 21,560 8,376 7,350 7,161 1,570 1,544 112 1,556 Rumba 2,022 1,844 3,049 567 3,616 3,616 3,616 Rumba 2,022 1,844 3,049 567 3,616 3,616 3,616 Rumba 2,023 1,844 3,049 679 5,572 4,399 2,601 7,006 Rumba 2,820 4,870 2,601 7,006 4,87 4,399 2,601 7,000 Rumba 6,566 1,120 3,991 109 5,220 4,57 3,591 109 5,201 Rumba 7,654 1,607 3,991 109 5,707 3,991 109 5,707 Rumba 7,654 1,607 3,991 109 5,707 3,591 1,607 3,991 109 5,706 Rumba 7,654 3,590 2,841 845 7,076 8,261 3,706 3,891 1,607 <td>Saint Bernard</td> <td>Rural</td> <td>18,085</td> <td></td> <td></td> <td></td> <td>100.5</td> <td></td> <td></td> <td></td> <td></td> <td>8.376</td> <td>2,350</td> <td>7,181</td> <td>17.907</td> <td>S</td>	Saint Bernard	Rural	18,085				100.5					8.376	2,350	7,181	17.907	S
Urban 2,222 1,844 3,049 567 3,616 3,617 3		Total	21,560	١	١	į,	7,7					184		112	956:	SS
Rumal 7,029 3,049 5,010 5,010 5,572 1,284 3,049 679 5,572 Urban 3,000 4,399 286 5,224 4,399 288 5,224 4,399 2,601 7,000 Rumal 7,490 4,399 2,601 7,000 4,399 2,601 7,000 4,399 2,601 7,000 Total 11,200 4,399 2,601 7,000 4,399 2,601 7,000 4,299 2,601 7,000 Total 1,120 4,399 2,601 7,000 4,399 2,601 7,000 Rumal 5,626 1,120 3,991 109 5,707 1,120 3,991 109 5,707 Liban 2,168 8,24 3,84 8,33 2,041 4,276 3,991 109 5,707 Liban 5,802 4,214 3,222 1,776 3,991 1,267 3,991 1,678 7,716 Rumal <th< td=""><td></td><td>Urban</td><td>2,222</td><td>İ</td><td></td><td>711</td><td>2,500</td><td></td><td></td><td></td><td></td><td></td><td>3 049</td><td>295</td><td>3,616</td><td></td></th<>		Urban	2,222	İ		711	2,500						3 049	295	3,616	
Total 9,251 1,844 3,049 1,716 <th< td=""><td>San Francisco</td><td>Rural</td><td></td><td></td><td></td><td>267</td><td>5,010</td><td></td><td></td><td></td><td></td><td>128</td><td>3,049</td><td>629</td><td>5,572</td><td></td></th<>	San Francisco	Rural				267	5,010					128	3,049	629	5,572	
Urban 3,800 4,399 885 5,284 6,00 7,000 Rumi 7,490 4,399 2,601 7,000 7,000 7,000 Urban 6,669 1,120 3,991 109 5,220 487 <t< td=""><td></td><td>Total</td><td></td><td></td><td></td><td>6/9</td><td>7,00</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1,716</td><td>1.716</td><td>45</td></t<>		Total				6/9	7,00							1,716	1.716	45
Rumal 7,490 4,399 2,601 7,000 4,570 4,590 2,601 7,000 Total 11,290 4,871 4,871 4,871 4,871 4,871 Urban 6556 1,120 3,991 100 5,220 1,120 3,991 109 5,220 Rumal 7,244 1,607 3,991 100 5,707 1,120 3,991 109 5,707 Urban 2,168 8,24 3,390 2,841 8,41 3,222 1,678 9,117 2,241 3,224 8,42 7,076 Rural 7,634 3,390 2,841 8,424 7,076 8,241 3,223 1,678 9,117 1,677 3,421 3,223 1,076 8,107 1,170 3,421 3,223 1,076 8,107 1,076 8,107 1,170 3,421 3,702 1,171 3,421 3,172 8,108 1,172 3,421 3,502 3,411 3,402 3,412 3,502 </td <td></td> <td>Urban</td> <td>3,800</td> <td></td> <td></td> <td>1,716</td> <td>1,/10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4,399</td> <td>\$88</td> <td>5,284</td> <td>7.1</td>		Urban	3,800			1,716	1,/10						4,399	\$88	5,284	7.1
Total 11,290 4,399 2,641 7,000 487	San Juan (Cabalian)	Rural	7,490		4.399	2	3070						4 300	2.601	7,000	62
Curban 655 487 109 5,220 Cardo Rural 6,569 1,120 3,991 109 5,220 Cardo Rural 7,264 1,607 3,991 109 5,220 Total 7,264 1,607 3,991 109 5,707 1,607 3,991 109 5,707 Rural 7,624 3,991 109 5,707 8,241 845 7,076 8,117 Rural 7,634 3,390 2,841 845 7,076 8,117 8,107 9,584 3,702 879 1,175 Pobus Rural 1,0487 3,915 879 19,961 1,502 771 8,168		Total	11,290			2,601	000'/					487			487	70
Cardo Rural 6,569 1,120 3,991 109 5,220 Cardo Total 7,264 1,607 3,991 109 5,707 Total 2,168 824 3,891 109 5,707 824 384 833 2,041 Urban 2,168 8,214 3,225 1,678 9,117 4,214 3,225 1,678 9,117 Rural 7,634 3,582 1,678 9,117 4,214 3,225 1,678 9,117 Rural 1,032 879 19,261 5,583 1,232 879 1,502 Hural 1,032 771 8,168		Urban	695				487					1 120	1001	001	\$ 220	79
Total 7,264 1,607 3,591 109 5,707 6.24 6.24 384 833 2,041 Urban 2,168 824 384 833 2,041 845 7,076 842 384 833 2,041 Rural 7,634 3,390 2,841 845 7,076 84214 3,225 1,678 9,117 Total 9,802 4,214 3,225 1,678 9,117 8,105 8,105 1,678 9,117 Urban 8,841 5,583 1,23 8,206 1,526 1,502 8,168 1,502	San Ricardo	Rural	695'9				5,220					1 607	18	00	5.707	20
Urban 2,168 824 334 833 2,041 845 7,076 824 3,390 2,841 845 7,076 821 3,390 2,841 845 7,076 8217 8225 1,678 9,117 8270 1,678 9,117 8270 8270 1,678 9,117 8270 8270 1,678 9,117 8270 8270 1,678 9,117 8270 8270 1,678 9,117 8270 8270 1,678 9,117 8270<		Total	7,264	_			5,707					768	384	833	2.02	8
Rural 7,634 3,890 2,841 845 7,070 4,214 3,225 1,678 9,117 Total 9,802 4,214 3,225 1,678 9,117 5,583 123 1,678 9,117 Urban 8,841 5,583 1,23 8,796 8,796 8,796 14,255 9,584 1,792 879 14,255 15,167 3,915 879 19,961 15,167 3,915 879 1,502 15,061		Urban	2,168	ļ		833	7,041					3300	2	\$48	7.076	8
Total 9,802 4,214 3,225 1,678 9,117 5,583 123 5,706 5,583 123 5,706 14,255 14,255 14,255 14,255 14,255 14,255 14,255 14,255 14,255 15,167 3,915 879 14,255 15,061 15,167 3,915 879 14,255 15,061<	Silago	Rural	7,634				0/0//					7.67		1.678	9.117	55
Urban 8,841 5,583 123 9,700 14,255 879 14,255 879 14,255 879 14,255 879 14,255 879 14,255 879 14,255 879 14,255 879 14,255 879 15,167 3,915 879 19,961 15,167 3,915 879 19,961 15,167 3,915 879 1,502 15,02	•	Total	9,802				7,11/					5.583	 		5,706	\$9
Rural 22,129 9,584 3,792 879 19,961 Total 30,970 15,167 3,915 879 19,961 871 342 389 1,502 Oppus Rural 10,487 771 8,168		Cross	8,841	:			3,700					9.584		618	14,255	ક
Total 30,970 15,167 5,915 677 15,02 <th< td=""><td>Sogod</td><td>Rural</td><td>22,129</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>15.167</td><td></td><td>879</td><td>19.961</td><td>2</td></th<>	Sogod	Rural	22,129									15.167		879	19.961	2
Urban 1,932 771 \$42 502 1,048 \$,168 \$,168 \$,168 \$,168 \$,168 \$,168 \$,168 \$,168 \$,168 \$,168 \$,108		Total	30,970			6/6						771	342	389	1.502	7.8
Rural 10,487 8,108 8,108 9,670 389 9,670 389 9,670 389 9,670 389 9,670 389 9,670 38,672 35,958 9,117 21,054 66,129 66,129 35,958 9,117 21,054 66,129 66,129 38,837 81,059 43,429 163,325 38,837 81,059 43,429 163,325 74,795 90,176 64,483 229,454		Crban	1,932	:		200							8 168		\$.168	S/.
Total 12,419 771 8,510 389 3,074 36,129 66,129 Urban 86,323 35,958 9,117 21,054 66,129 163,325 163,	Tomas Oppus	Rural	10,487		١	000						771	8.510	389	9.670	2.8
Urban 86,323 35,958 9,117 21,034 00,129 43,429 Rural 229,814 38,837 81,059 43,429 163,325 74,795 90,176 64,483 Total 316,137 74,795 90,176 64,483 229,454		Total	12,419			385						35.958		21.054	66,129	77
Rural 229,814 38,837 81,059 43,429 165,525 Total 316,137 74,795 90,176 64,483 229,454		Urban	86,323	١	-		Ţ					38 837	i.	43,429	163.325	1/
[Total 316,137] 74,795 90,176 64,483 229,454	Provincial Total	Rural	229.814		١		1					74 705	1	F87 49	220 454	73
		Total	316,137			64,483						7,7,7	ı	201.10		

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Table 8.2.2 Population Coverage in Phase I Provided by Served Population in the Base Year (Water Supply)

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Name of	Area	Populat	lion Served	by 1998 Fa	citities	19	98	20	04
Municipality		Level III	Level 11	Level i	Total	Total Population	Coverage (%)	Total Population	Coverage (%)
	Urban	1,483	186	3 3	1,669	2,805	60	2,936	57
Anahawan	Rural	955	1,016	1,306	3,277	3,473	94	2,938	100
	Total	2,438	1,202	1,306	4,946	6,278	79	5,874	84
	Urban	1,068	1,012	458	2,538	3,780	67:	3,780	67
Bontoc	Rural	1,160	5,486	5,590	12,236	20,015	61	19,488	63
	Total	2,228	6,498	6,048	14,774	23,795	62	23,268	63
	Urban	1,226		201	1,427	1,575	91	1,980	72
linunangan	Rural	6,097	5,463	5,556	17,116	20,502	83	19,903	86
	Total	7,323	5,463	5,757	18,543	22,077	84	21,883	85
. *	Urban	1,270	1,782	615	3,667	4,307	85	5,399	68
Hinundayan	Rural	2,328	3,990		6,318	6,523	97	5,876	100
	Total	3,598	5,772	615	9,985	10,830	92	11,275	89
	Urban	409	300	478	1,187	1,450	82	1,450	82
Libagon	Rural	859	5,532	1,247	7,638		84	8,815	87
	Total	1,268	5,832	1,725	8,825	10,596	83	10,265	86
	Urban	1,075	40	2,844	3,959	4,557	87	4,726	84
Liloan	Rural	349	3,692	6,916	10,957	12,204	90	11,200	98
į.	Total	1,424	3,732	9,760	14,916	16,761	89	15,926	94
	Urban			360	360		29	1,327	27
Limasawa	Rural		721	538	1,259	3,831	33	4,012	31
	Total		721	898	1,619	5,060	32	5,339	30
	Urban	10,815	4,948	8,488	24,251	30,316	80	42,311	57
Maasin (Capital)	Rurai	5,210	12,763	2,223	20,196		61	20,477	99
	Total	16,025	17,711	10,711	44,417	63,436	70		
	Urban	2,115	1,,,,,	3,369			82	62,788 6,693	$-\frac{71}{22}$
Macrohon	Rural	797	7,101	2,568	5,484	6,698			82
(actorion	Total	2,912	7,101	5,937	10,466 15,950		79 80	13,069	80
	Urban	1,240	7,101					19,767	81
Malithog	Rural	1,240	3,352	889	2,129	2,882	74	3,665	58
	Total	1,240	3,352	5,139	8,491	15,757	54	16,360	52
	Urban			6,028	10,620		57	20,025	53
Padre Burgos	Rural	2,065		302	2,367	2,543	93	3,021	78
radic Durgos	Total		1,226	1,880	4,229		83	4,792	88
	Urban	3,188	1,226	2,182	6,596	, _	86	7,813	84
Pintuyan		283	3.137	- 1	283	1,048	27	1,129	25
i muyan	Rural	889	2,127		3,016		41 :	7,472	40
	Total	1,172	2,127		3,299		39	8,601	38
Saint Bernard	Urban	3,400	2.260		3,400		98	4,559	75
Saint Deinard	Rural	4,976		7,181	14,507		80	17,413	83
	Total	8,376		7,181	17,907		83	21,972	81
O P	Orban	1,844		112	1,956		88	2,222	88
San Francisco	Rural	-	3,049	567	3,616			6,418	56
	Total	1,844	3,049		5,572		60	8,640	64
	Urban	<u> </u>	· · · · · · · · · · · · · · · · · · ·	1,716	1,716			3,800	45
San Juan (Cabalian)	Rurai	ļ	4,399	885	5,284			7,278	73
	Total	 	4,399	2,601	7,000		62 .	11,078	63
a n	Urban	487			487			695	70
San Ricardo	Rural	1,120		109	5,220		79	5,303	98
	Total	1,607		109	5,707		79	5,998	95
	Urban		_~		2,041			2,280	90
Silago	Rural	3,390		845	7,076	7,634	93	7,558	94
	Total	.4,214	3,225	1,678	9,117	9,802		9,838	93
	Urbán	5,583			5,706		65	11,882	48
Sogod	Rural	9,584			14,255			18,896	75
	Total	15,167			19,961			30,778	65
	Urban		342		1,502			1,932	78
Tomas Oppus	Rural		8,168		8,168			10,089	81
	Total	771			9,670			12,021	80
	Urban				66,129			105,792	63
Provincial Total	Rural	38,837						207,357	79
	Total	74,795						313,149	73

Table 8.2.3 Number of Households Served by Sanitary Tollets in the Base Year (1998)

				Househo	Households Using	g Sanltary Toilets in	oilets in	Rectpler	at HHs of Plan Projects	Recipient HHs of Planned/On-going Projects	going		House	Households Using Sanitary Tollets in the Base Year (1998)	Sanitary	Toilets in t	he Base Ye	ar (1998)	
, T		Donnsation	Number of		2								S.I.S.	يعد			Cove	Coverage (%)	
Municipality	Arcs		Households (1998)	Flush	Pour	VIP/Dry	Total	Flush	Pour	VIP/Dry	Total	Flush	Pour	V1P/Dry	Total	Flush	Pour	VIP/Dry	Total
			000		587		277					01	567		577	۲3	95		96
	202	2,805	2000	21.	437		1559					5	050		655		85		Ş
Anahawan	Rital	3.473	70/	۲	0.0		1 232				-	15	1,217	-	1,232	1	8		\$1
	John	6,278	360		1.		\$89					8	585		685	.:	£		8
	E E	3,780	80/		4000		2 056					Š	88:		2,956	-	7.		75
Bontoc	Rural	20,015	3,932	nc.	١					T		55	3,491		3,641	í	74		7.8
	Total	23,795	4				800			T		Ş	259		289	٥	76		85
	Urban	572.1		Ř	- [200			T	T	۲	4 156		4 176		õ		63
Hinunangan	Rural	20.502	4,496		١							Ş	4.4.5		4,465		6		장
I	Total	22,077					4						33,2		800	\ -	83		88
	Urban	4,307			755		9					-	1 303		320	1	\$		44
Hinundayan	Rural	6,523	1,365				1,520				1	5	300		2 120		8		ξĠ
	Total	10,830		62	ı		27.70					***	573	T	277		96		98
	Urban	1,450			273		7//2					•	507		10%		8		8
Libagon	Rural	9,146		2			1.697					3 3	990		A/0		8		16
	100	10,596	2,180	9	1,968		1974				1	0	00,70		213	,			87
	Crban	4,557	934	23			8131					3	7/7		2.153				ó
Liloan	Ž	12,204	2,575	8	Ċ		2,352					0	77		1,4		8		8
	Total	16,761	3	. 31	3,134		3,165					1	1		7.		8		S
	Crban	1,229			234		234						١		Š		۵		8
Limasawa	Rura	3,831	692		706		786					Ī	3 5	1	8		1 :		6
	Total	090'S					Og Og					140	2	Ī	4.187		. 59		20
	Urban	30,316	6,264	,	÷		/8/					Į,	14.5		\$ 406].	۶,		. 77
Maasin (Capital)	Rural	33,120			1		3					185	0.408		\$503	-	7.		. 72
	Total	63,436		185									8		130		- 80		08
	Urban	869'9			3		1						2 317		2,317	11.00	84	** *** ***	\$5
Macrohon .	Rural	13,290			2,377								3.447		3,447	******	83	1	. £3
	Total	19,988	7						T			4	476		516	7	85	1.00	65
	Urban	2,882	4.0.02	4	_		0 0						. 480		2.489		.84		7.
Malitbox	Rural	15,757			ļ		2,489					Ą	946	l	3,005	-	%		85
	Total	18,639					3						Ι.	T	45		3		33
	Urban	2,543			•		200				1	1	C. 69.		986		8		š
Padre Burgos	Rura	5,121			982		080					66	1 148		0.1	-	1,2		. 62
	Total	7,664	1.488	. 22			0/1						5				ફ	7 7 7 7	Ş
	Urban	1,048	206		142	-	142										ŏ		ş
District of the second	2000		1.41	7.2	1,347		1,347		100					1	100		٤		60
	fora	8.457			1,480		1,489						787		1,407				ļ
			١						i.	i i i				: :	1			•	

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Table 3.2.3 Number of Households Served by Sanitary Toilets in the Base Year (1998) (Cont'd)

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· · · · · · · · · · · · · · · · · · ·		100	Number of	Households Usir		ig Sanitary Tollets in 1998	ollets in	Recipie	int HHs of	Recipient HMs of Planned/On-going Projects	วิบเอรี-น		Hous	cholds Usir	Households Using Sanitary Toilets in the Base Year (1998)	Toilets in i	the Base Y	(ear (1998)	
Manielen	Area	(100g)	Households	41.15	81.00				Pour		L_		Nu	Number			Cow	Coverage (%)	
		() 	(1998)	Toilets		VIP/Dry	Total	Flush	Flush	V1P/Dry	Total	Flush	Flush	VIP/Dry	Total	Flush	Pour Flush	VIP/Dry	Total
	Crban	3,475	721	69	\$45		614					69	545		614	01	76		35
Saint Bernard	Z.IITZ	18,085	3,654	298	2,794		3,092					298	l		3,092	8	- 26		85
	TOT.	21,560	4,375	367	3,339		3,706					367	3,339		3,706	8	76		85
	Crban	2,222	488	\$2	36		386					26			386	2	74		96
San Francisco	Rural	7,029	-	6	1,349		1,358					ó	-		1,358	-	8.2		88
	Total	9.251	2,033	35	1,709		1,744		1			35			1,744	F-4	84		80
	Urban		835	90	450		200			:		50	450		200	9 :	\$4		80
San Juan (Cabalian)	Rural	7,490	1,635		1,026		1,026		(A)				1.026		1.026		63		65
	Total	11,290	2,470	30	1,476		1,526					50	1,476		1,526	. 2	09	-	79
	Crban	569	153		8118		118					: 4	118	1 1 11	811		- 22		77
San Ricardo	Kura	Ľ	1,309		1,286		1,286						1,286		1,286		86 .	1	86
	Total	L			- 8		1,404						1.404		1,404		96	+	96
	Crban	2,168	197		430		430						430		430		- 93		63
Silago	Rura	7,634	1.652		1.595		565'1			*****			1.505		1,595		25	+	45
	Total	9,802	2,113		2.025	The second of	2.025		1.000				2,025		. 2,025				96
	Urban	8,841	1.801	45	1,361		1,406		1.00	1000		45	1,361		3,406	۲,	76		78
Sogod	S.	22,129	4.480	2	:	2 2 22 24	2,767		127			19	2,748		2,767		[9]		62
l	Tota!	30,970	6,290	Z	8	100	4,173					2	4,109		4,173	-	- 65	_	99
	Urban	1,932		11	368	100	379					11	368		379	3	. 95	_	Х6
Tomas Oppus	Kural	10,487	2,162	36	966'1	15 A 15 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	2,032	3.47. 11.1	Carrier Access			36	4	2	2,032		- 26		76
	Total		1.	47	2,364		2,411					47	2,364		2,411	2	43		95
	Urban	86,323	17,857	(19	13,056	1	13,667			51.45		(11)	11		13,667	. 3	7.5	-	۲.
Provincial Total	Rural	229,814	47,384	\$13	513 39,050	7. 1. 1. 1.	39,563					513		10.00	39,563	-	82	-	8.3
	Total	316,137	65,241	1.124	52,106	1 1 1	53,230					1.124	52,106		53,230	7	80		83

Table 8.2.4 Number of Public School Student Served by School Toilets in Base Year (1998)

Name of Municipality	1998 Total Number of Public School Student	Standard No. of Student that can be Served by 1998	No. of Student to be Served by Planned /On- going Projects	Standard No. of Students that can be Served by Toilets in Base Year (1998)	Coverage (%)
Anshawan	1.189	1,189		1,189	100
Bontoc	6,403	3,600		3,600	56
Himmangan	4,720	4,600		4,600	
Himmdayan	2,310	1,800		1,800	78
Libacon	2,625	2,320		2,320	88
Tiloan	4,333	4,333		4,333	100
I imasawa	1,271	1,200		1,200	94
Maasin (Capital)	13,071	9,360		092'6	72
Macrohon	5,166	4,000		4,000	77
Malithog	3,389	3,280		3,280	97
Padre Burgos	1,407	1,120		1.120	80
Pintuvan	1,668	1.668		1,668	100
Saint Bernard	4,641	4,641		4,641	100
San Francisco	2,393	2,160		2,160	06
San Iuan (Cabalian)	2,611	1,920		1,920	7.4
San Ricardo	2,260	2,260		2.260	100
Silago	2,102	2,102		2,102	100
Spend	7,447	2,760		5.760	77
Tomas Oppus	3,056	3,056		3.056	100
Provincial Total	72,062	698'09		60:369	84

Table 8.2.5 Number of Public Utilities with Sanitary Toilets in the Base Year (1998)

	Name of Municipality	Туре	No. of PU with Toilets in 1998	No. of PU with Sanitary Toilets In 1998	No. of PU with Sanitary Toilets in Planned Ou- going Projects	No. of PU with Todets in Base Year 1998	No. of PU with Sanitary Foilets in Rase year 1998	Coverage (%)
	Anahawan	Public Market Bus/Jeepney Terminal Parks/Playground				1	1	100
	·	Total Public Market	1	t t				100
:	Bontoc	Bus/Jeepney Terminal Parks/Playground Total	1					
	Hinunangan	Public Market Bus/Jeepney Terminal						100 100 100
. :		Parks/Playground Total Public Market	2			2	2	100
:	Hinundayan	Bus/Jeepney Terminal Parks/Playground	1			1	1	100
	Libagon	Total Public Market Bus/Jeepney Terminal	1	1		1	1	100
		Parks/Playground Total Public Market	1 2	2		2	1 2	100 100 100
	Litoza	Bus/Jeepney Terminal Parks/Playground Total	1 1 3	1 1 3		1		100
	Limasewa	Public Market Bus/Icepney Terminal Parks/Playground	2			3	3	100
		Total Public Market	3	3		2 3	2 2 3	100 100 100
¥ ,	Maasin (Capital)	Bus/Jeepney Terminal Parks/Playground Total	1 1 5	1 5		<u> </u>	1 1 5	100 100 100
÷ .	Мастобов	Public Market Bus/Jeepney Terminal Parks/Playground		1				100
		Total Public Market Bus/Jeepney Terminal		1				100
:	Matitbog	Parks/Playground Total Public Market	2	2		1	1 2	100 100
	Padre Burgos	Bus/Jeepney Terminal Parks/Playground		l l		1		100 100 100
	Pintoyan	Fotal Public Market Bus/Jeepney Teaminal	3	3		3	3	100
		Parks:Playground Total Public Market						100
	Saint Bernarð	Bus/Jeepney Terminal Parks/Playground Total	1 1 3	1 1 3		1		100 100 100
	San Francisco	Public Market Bus/Jeepney Terminal Parks/Playground	1	1		1	1	100 100 100
•		Total Public Market Bus/Scepney Terminal	3	3		3	1 3 1	100 100 100
	San Juan (Cabalian)	Parks/Playground Total	1 3	1 3		1 1 3	1 1	100 100 100
	San Ricardo	Public Market Bus/Jeepney Terminal Parks/Playground Total						
	Sitago	Public Market Bus/Jeepney Terminal Parks/Playground	1	l t		1	1	100
	Sogod	Total Public Market Bus/Jeepney Terminal Parks/Playground	2 2	2 2		2 2	2	001 001 001
	Fomas Oppus	Fotal Public Market Bus/Icepney Terminal	3	3		3	3 1	190
		Parks/Playground Total Public Market	1 17	17		(1	100
	Fravincial Total	Bus/Jeepney Terminal Parks/Playground	9	9		9	9	100 100 100
		Total	39	39	l	39	39	100

Table 8.2.0 Households Covernge in Phase I Provided by Existing Facilities in the Base Year (Household Toilets)

		No. of Mot	vsehold Servi	No. of Mousehold Served by Existing Pacified	xisting.			Cover	Coverage in 1998						Coverage in 2004	in 2004	Secured Population	Owletton
Name of .	8	-	1-1		Н	76 95	Percentag	e of Serv	Percentage of Served Households		Served Population	tation	3 	Percenta	Pour VIP			
Municipality		Flush	7 gg 7 cg 7 cg	VIP/Dry	Total	ž	Fleesh	Pour	ٽ <u>د ان</u>	Total	Number	*		Flush	Flush Dr.		Number	*
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Table 8.2.7 Public School Students and Public Utilities Coverage in Phase I by Existing Facilities in the Base Year

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		Public Sch	School Toilets	ilets				Public	Public Toilets		
	Coverage in 1998 Coverage in 2004	Coverage in	1 1998	Coverage i	n 2004		Coverage in 1998			Coverage in 2004	
Name of Municipalities	Student that can be Served by	Total No. of Public School	%	Total No. of Public School	%		No. of PU with Sanitary Toilets in	%	No. of PU with Toilets	No. of PU with Sanitary Toilets in	%
	Base Year	Students		Student		m dase i ear	Base Year			Base Year	
Anahawan	1,189	1,189	100	1,114	107		Ţ	100	1	-1	100
Bontoc	3,600	6,403	56	6,603	55	H	1	100	2	1	50
Hinunangan	4,600	4,720	26	5,098	8	2	2	100	3	2	67
Hinundayan	1,800	2.310	2/8	2,495	72	2	2	100	2	2	8
Libagon	2,320		88	2,464	94	2	. 2	100	2	2	100
Liloan	4,333	4,333	100	3,728	116	3	3	100	4	(C)	75
Limasawa	1,200	1,271	94	1.375	- 87	2	2	100	1	2	200
Maasin (Capital)	9,360	13,071	72	14,130	99	5	\$	100	9	5	83
Macrohon	4,000	5,166	177	4,678	98	1	,	100	1	1	100
Malitbog	3,280	3,389	- 26	4,038	81	2	2	100	3.	2	67
Padre Burgos	1,120	1.40	80	1,879	- 60	3	3	100	. 8	m	8
Pintuyan	1,668	1,668	100	1.834	91						
Saint Bernard	4,641	4,641	100	4,886	95	3	3	100	4	3	2
San Francisco	2,160	2,393	06	2,130	101	3.	. 3	100	C)	m	001
San Juan (Cabalian)	1,920	2,611	74	2,709	71	3	3	100	3	m	8
San Ricardo	2,260	2,260	100	1,694	133			:			
Silago	2,102	2,102	100	2,273	92	2	.2	100	2.	2	20
Sogod	5.760	7,447	17	7,642	. 75	. 3	3	100	4	En.	55
Tomas Oppus	3,056	3,056	100	3.118	86	1	1	100	1	 4	8
Provincial Total	696,09	72.062	84	73,888	82	. 39	39	100	45	39	87

8.3 Projection of Frame Values

8.3.1 Review of Past Population Development and Population Projection

Since the NSO has not yet prepared/issued future population of the provinces, the provincial population for the years 1998 (planning base year), 2004 (medium-term target year) and 2010 (long-term target year) were projected. Available information for the study at present is as follows:

(1)

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- NSO population census results from 1903 to 1995 (conducted 10 times)
- 1995 Census-based National and Regional Population Projection prepared by the NSO
- 1995 Census-based Regional and Provincial Population Projection prepared by the NEDA Regional Office-VIII
- Provincial Physical Framework Plan/Comprehensive Provincial Land Use Plan (1993-2002) prepared by the Provincial Office (hereafter referred to as "the Land Use Plan")

(1) Comparison of regional population projected by NSO and NEDA The NSO conducted the national population projections for the period 1995-2040 and the regional projections for the period 1995-2020. The assumptions take into account future trends in the demographic processes of fertility, mortality and migration required by the cohort-component method for projecting population.

In the regional population projection of Region VIII (Bastern Visayas), the subject region composed of the 3rd batch provinces of this study is classified as medium-sized region (projected population of at least 5 million but less than 10 million by year 2020).

On the other hand, the NEDA Regional Office-VIII projected regional population together with provincial population for year 2006 based on the 1995 census result.

Table 8.3.1 shows the comparison between the two agencies' projection on the regional population for the years 2000, 2005 and 2010. In the past development, the annual growth rate between 1990 and 1995 drastically increased compared with that of the previous census period. The NSO considered the latest development for its projection. Thus, the growth rates with 5-year interval for the years 1995, 2005 and 2010 are assumed at 2.21%, 2.00% and 1.82%, respectively.

The NEDA Regional Office also projected the population for year 2006 based on the 1995 census result. In this study, the annual growth rate between the two years was calculated at 1.00% using the compounded formula for the purpose of comparison with

NSO projection. Thus, the population in a 5-year interval from year 1995 was estimated as shown below applying 1.00% as annual growth rate. Comparing with the projected population by NSO, the NBDA projection is rather conservative in consideration of the past trend between 1948 and 1995 as shown in Table 8.3.1 and Figure 8.3.1.

<u>Year</u>	<u>Population</u>	Source/Growth Rate
1995	3,366,917	Census result
2000	3,538,664	Estimated/ 1.00% (1995 - 2006)
2005	3,719,171	Estimated/ 1,00% (1995 - 2006)
2006	3,756,193	NEDA projection/ 1.00% (1995 - 2006)

Table 8.3.1 Comparison of Regional Population Projection by the NSO and NEDA

	Year	1980	1990	1995	2000	2005	2010
C	Population	2,799,534	3,054,490	3,366,917			
Census	Growth Rate		0.88%	1.97%			:
NSO	Population			3,356,854	3,743,895	4,132,242	4,523,762
Projection	Growth Rate				2.21%	2.00%	1.82%
NEDA	Population			3,366,917	3,538,664	3,719,171	
Projection	Growth Rate				1.00%	1.00%	

Note: The 1995 population as of July 1995 was used as a basis for NSO population projection.

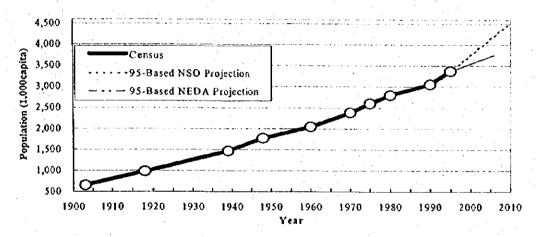


Figure 8.3.1 Past (Census) and Projected Population (prepared by NSO and NEDA) of Region-VIII

The NEDA population in 2000 and 2005 were estimated in the study.

(2) The Land Use Plan: Province of Southern Leyte (Planning period 1993-2002)

The provincial and municipal population for the year 2002 was projected with 1990 as base year. The population growth rates by municipality experienced between 1980 and 1990 were basically adopted for the projection. The provincial growth rate was 0.83% between 1980 and 1990. While the experienced and projected growth rates of Region VIII are 0.88 % between 1980 and 1990 and 0.95 % between 1990 and 2002.

The population projection on the provincial total and component municipalities was made with 1990 as base year. The population for the year 2002 was projected using a uniform growth rate between 1990 and 2002 referring to the experience from 1980 to 1990 (census years).

Table 8.3.2 shows the past population developments in census years (1980-1995) and projections for the years 1995 and 2002 with 1990 as base year applying the assumed growth rates for the period 1990 to 2002 in the said comprehensive Provincial Land Use Plan.

Table 8.3.2 Census Population and Projected Population in Land Use Plan

		Ce	Land Use Plan					
Municipality	1980	1990	Growth Rate (1980-1990)	1995	Growth Rate (1990-1995)	1995*	2002	Growth Rate (1980-2002)
Anahawan	6,544	7,063	0.77%	6,471	12 16%	7,346	7,762	0.79%
Bentoc	22,655	24,818	0.92%	24,047	-14 86%	26,020	27,800	0.95%
Hinunangan	20,568	22,454	0.88%	22,170	-16.99%	23,506	25,062	0.92%
Hinundayan	9,746	9,965	0.22%	10,617	37.31%	10,075	10,231	0.22%
Libagon	10,516	11,239	0.67%	10,754	6.99%	11,632	12,206	0.69%
Liloan	16,923	18,383	0.83%	17,160	13.27%	19,187	20,372	0.86%
Limasawa	-	4,519	• • • • • • • • • • • • • • • • • • • •	4,927	17.31%	4,564	4,628	0.20%
Maasin	59,731	64,694	0.80%	63,746	-31.09%	67,424	71,440	0.83%
Macrohon	18,693	20,416	0.89%	20,093	11.67%	21,372	22,787	0.92%
Malithog	16,114	15,946	-0 10%	17,976	-12.77%	16,652	17,693	0.87%
Padre Burgos	10,790	7,375	-3.73%	7,593	-3.34%	7,453	7,563	0.21%
Pintuyan	7,872	8,177	0.38%	8,388	3.53%	8,338	8,568	0.39%
Saint Bernard	19,153	20,760	0.81%	21,363	-4.99%	21,647	22,952	0.84%
San Francisco	9,995	10,438	0.43%	9,543	19.02%	10,670	11,003	0.44%
San Juan	11,614	11,703	0.08%	11,392	0.84%	11,750	11,816	0.08%
San Ricardo	7,331	9,723	2.86%	7,869	-10.86%	10,255	11,048	1.07%
Silago	9,323	9,733	0.43%	9,785	26.50%	9,949	10,259	0.44%
Sogod	26,246	31,342	1.79%	31,062	-16.60%	34,502	39,469	1.94%
Tomas Oppus	12,480	13,192	0.56%	12,609	3.97%	13,572	14,123	0.57%
Province	296294	321,940	0.83%	317,565	-0.86%	335,913	356,782	0.86%

Note: * Population in 1995 was estimated using growth rate employed in the Land Use Plan

Comparing the census and the projected population in 1995, the provincial population based on the census is about 6% lower than the projected. Regarding the municipal census population in 1995, fourteen (14) out of 19 municipalities were lower with a range of -1% to -23% comparing with the projected figures, while the remaining five (5) municipalities were higher with a range of 1% to 23%.

In addition to this, the province is presently updating its Land Use Plan using the NEDA projection based on the 1995 census population. Thus, future projection shall be made using the 1995 census results as the base year.

(3) Population Projection of the Province

The following conditions are considered in the population projection.

Regional Population

For the regional population in the study, the projection conducted by the NEDA Regional Office may be adopted assuming that a rather conservative population growth will be realized comparing with that of the NSO projection.

- The regional population projected by the NEDA for the year 2006 is referred to for the short and medium-term periods. The annual growth rate of 1.00% between 1995 and 2006 will be adopted for the projection in 1998 and 2004 using the compounded formula with 1995 as the base year.
- 2) For the long-term projection, it is assumed that the annual growth rates will decrease gradually as adopted in the NSO projection. The annual growth rates adopted in NSO projection decline from 2.00% (2000 2005) to 1.82% (2005 2010), which indicates that the relative reduction rate is 0.09%. In this study, the same reduction rate may be used to the NEDA projected growth rate of 1.00% (2000 2005). Thus, the population in year 2010 is estimated at 3,891,501 applying the growth rate of 0.91% from year 2005. The growth rates adopted in the study correspond to half of the figures employed by NSO.

Year	Population	Growth Rate				
1995	3,366,917	Census result				
1998	3,468,938	1.00% (1995 - 1998)				
2004	3,682,348	1.00% (1995 - 2004)				
2005	3,719,171	1.00% (1995 - 2005)				
2010	3,891,501	0.91% (2005 - 2010)				

Provincial Population

In the NEDA projection, the regional population to be increased from 1995 to 2006 was distributed to each province in proportion to the share of the provincial population increase to the regional population experienced between 1990 and 1995. In this study, it is assumed that the tendency of population growth by province will not drastically change. Thus, the same manner as adopted by the NEDA projection was employed both for short/medium-term and long-term periods in the population distribution from the regional population to those for concerned provinces. The distribution of the regional population to be increased to the provincial population was made between the respective

base/target years. Table 8.3.3 shows the projected population in years 1998, 2004 and 2010 together with NBDA projection.

Table 8.3.3 Projected Population of the Province

]	NEDA P	rojection	Duntantal Danielation				
Province	Popul	ation	Population	1 Increase	Projected Population			
	1995	2006	Number	Share	1998	2004	2010	
Biliran	132,209	149,921	17,712	4.55%	136,851	146,561	156,077	
Eastern Samar	362,324	403,509	41,185	10.58%	373,118	395,697	417,825	
Leyte	1,511,251	1,689,501	178,250	45.79%	1,557,966	1,655,686	1,751,458	
Northern Samar	454,195	542,288	88,093	22.63%	477,282	525,577	572,908	
Samar	589,373	658,859	69,486	17.85%	607,584	645,678	683,012	
Southern Leyte	317,565	312,115	-5,450	-1.40%	316,137	313,149	310,221	
Region	3,366,917	3,756,193	389,276	100.00%	3,468,938	3,682,348	3,891,501	

Municipal Population

- 1) The total population of the province in 1998, 2004 and 2010 was fixed.
- 2) For the population projection by municipality, the same method employed in NBDA projection for the distribution of regional population to provincial population was applied. The provincial population to be increased in respective planning years was distributed to each municipality in proportion to the share of the population increase of each municipality to the provincial total experienced between 1990 and 1995. Table 8.3.4 presents the census results (1990 and 1995) and the projected population of the municipalities.

Table 8.3.4 Census results and Projected Population of Municipalities

Municipality	Census Result				Projected Population					
	1990	1995	Pop. Growth	Share to Provi. Pop Growit/ Provi. Pop.	1998		2004		2010	
					Populatio	GR	Populatio	GR	Populatio	GR -
Anahawan	7,063	6,471	-592	13.5%	6,278		5,874	-1.10%	5,478	-1.16%
Bontoc	24,818	24,047	-771	17.6%	23,795	_	23,268	-0.37%	22,752	-0.37%
Hinunangan	22,454	22,170	-284	6.5%	22,077	-	21,883	-015%	21,693	-0.15%
Hinundayan	9,965	10,617	652	-14.9%	10,830	0.66%	11,275	0.67%	11,711	0.63%
Libagon	11,239	10,754	-485	11.1%	10,596	•	10,265	-0.53%	9,940	-0.53%
Liloan	18,383	17,160	-1,223	28.0%	16,761	·	15,926	0.85%	15,107	-0.88%
Limasawa	4,519	4,927	408	-9.3%	5,060	0.89%	5,339	0.90%	5,612	0.83%
Maasin	64,694	63,746	-948	21.7%	63,436	-	62,788	-0.17%	62,153	-0.17%
Macrohon	20,416	20,093	-323	7.4%	19,988	-	19,767	-0.19%	19,551	-0.18%
Malitbog	15,946	17,976	2,030	-46.4%	18,639	1.21%	20,025	1.20%	21,384	1.10%
Padre Burgos	7,375	7,593	218	-5.0%	7,664	0.31%	7,813	0.32%	7,959	0.31%
Pintuyan	8,177	8,388	211	-4.8%	8,457	0.27%	8,601	0.28%	8,742	0.27%
Saint Bernard	20,760	21,363	603	13.8%	21,560	0.31%	21,972	0.32%	22,376	0.30%
San Francisco	10,438	9,543	-895	20.5%	9,251	<u> </u>	8,640	-1.13%	8,041	-1.19%
San Juan	11,703	11,392	-311	7.1%	11,290		11,078	-0.32%	10,870	-0.32%
San Ricardo	9,723	7,869	-1,854	42.4%	7,264	-	5,998	-3.14%	4,757	-3.79%
Silago	9,733	9,785	52	-1.2%	9,802	0.06%	9,838	0.06%	9,873	0.06%
Sogod	31,342	31,062	-280	6.4%	30,970	-	30,778	-0.10%	30,591	-0.10%
Tomas Oppus	13,192	12,609	-583	13.3%	12,419	· ·	12,021	-0.54%	11,631	-0.55%
Province	321,940	317,565	-4,375	100.6%	316,137		313,149	-0.16%	310,221	-0.16%

Note: Growth rates in 1998, 2004 and 2010 were calculated using compounded formula.

Population by Urban and Rural Area

1) Past population development

Table 8.3.5 shows the urban and rural population with growth rates in census years (1980-1995) by municipality. With regard to the ratio of the urban population of the province to the total population, the provincial averages in 1980 and 1990 were 15.1% and 20.5% and it increased to 24.7% in 1995. The provincial growth rate of 3.94% between 1980 and 1990 slightly decreased to 3.58% in 1995. While, the growth rates of the rural population were 0.18% (1980 - 1990) and -0.65%(1990 - 1995) as provincial averages.

Table 8.3.5 Past Population Development by Urban and Rural Area

			1980			19	90			19	95	
1	Municipality	Total	Urban/ Rural	Share (%)	Total	Urban/ Rurat	G.R. (%)	Share (%)	Total	Urban/ Rural	G.R. (%)	Share (%)
	Anahawan	6,544	916	14.0%	7,063	2,640	11.17%	37.4%	6,471	2,742	0.76%	42.4%
	Bontoc	22,655	3,818	16.9%	24,818	4,092	0.70%	16.5%	24,047	3,780	-1.57%	15.7%
	Hinunangan	20,568	793	3.9%	22,454	912	1.41%	4.1%	22,170	1,405	9.03%	6.3%
	Hinundayan	9,746	2,187.	22.4%	9,965	2,443	1.11%	24.5%	10,617	3,847	9.51%	36.2%
	Libagon	10,516	1,521	14.5%	11,239	1,528	0.05%	13.6%	10,754	1,450	1.04%	13.5%
1]	Liloan	16,923	2,514	14.9%	18,383	4,341	5.61%	23.6%	17,160	4,475	0.61%	26.1%
	Limasawa	• 1 12	•	±1 €3.5 × ***	4,519	1,110	1000	24.6%	4,927	1,183	1.28%	24.0%
	Maasin	59,731	: 11,151	18.7%	64,694	13,561	- 1.98%	21.0%	63,746	25,661	13.60%	40.3%
Arca	Macrohon	18,693	1,783	9.5%	20,416	7,150	14.90%	35.0%	20,093	6,698	-1.30%	33.3%
<	Malitbog	16,114	2,387	14.8%	15,946	2,092	-1.31%	13.1%	17,976	2,556	4.09%	14.2%
Urban	Padre Burgos	10,790	2,652	24.6%	7,375	2,021.	-2.68%	27.4%	7,593	2,333	2.91%	30.7%
5	Pintuyan	7,872	838	10.6%	8,177	2,894	13.19%	35.4%	8,388	1,010		12.0%
	Saint Bernard	19,153	1,593	8.3%	20,760	1,528	-0.42%	7.4%	21,363	3,034	14.70%	14.2%
1	San Francisco	9,995	2,390	23.9%	10,438	2,287	0.44%	21.9%	9,543	2,222	-0.58%	23.3%
	San Juan	11,614	4,113	35.4%	11,703	4,148	0.08%	35.4%	11,392	3,800	-1 74%	33.4%
	San Ricardo	7,331	1.13	0.0%	9,723	2,097	1- 332;	21.6%	7,869	695		8.8%
	Silago	9,323	1,537	16.5%	9,733	2,027	2.81%	20.8%	9,785	2,114	0.84%	21.6%
	Sogod	26,246	4,602	17.5%	31,342	5,961	2.62%	19.0%	31,062	7,626	5.05%	24.6%
1	Tomas Oppus	12,480	. ,	0.0%	13,192	3,065	÷ 1, 2021	23.2%	12,609	1,932	-8.82%	15.3%
	Province	296,294	44,795	15.1%	321,940	65,897	3.94%	20.5%	317,565	78,563	3.58%	24.7%
	Anahawan	6,544	5,628	86.0%	7,063	4,423	-2.38%	62.6%	2,742	3,729	-2.42%	57.6%
	Bontoc	22,655	18.837	83.1%	24,818	20,726	0.96%	83.5%	3,780	20,267	-0.43%	84.3%
	Hinunangan	20,568	19,775	96.1%	22,454	21,542	0.86%	95.9%	1,405	20,765	-0.43%	93.7%
	Hinundayan	9,746	7,559	77.6%	9,965	7,522	-0.05%	75.5%	3,847	6,770	-1.19%	63.8%
l i	Libagon	10,516	8,995	85.5%	11,239	9,711	0.77%	86.4%	1,450	9,304	-0.59%	85.5%
	<u>Liloan</u>	16,923	14,409	85.1%	18,383	14,042	-0.26%	76.4%	4,475	12,685	-1.32%	73.9%
	Limasawa	•	. 112	· // (.	4,519	3,409	- 4,5 %	75.4%	1,183	3,744	0.82%	76.0%
	Maasin	59,731	48,530	81.3%	64,694	51,133	0.51%	79.0%	25,661	38,085	-0.28%	59.7%
Area	Macrohon	18,693	16,910	90.5%	20,416	13,266	-2.40%	65.0%	6,698	13,395	-2 31%	66.7%
₹	Malitbog	16,114	13,727	85.2%	15,946	13,854	0.09%	86.9%	2,556	15,420	1.40%	85.8%
Rural	Padre Burgos	10,790	8,138	75.4%	7,375	5,354	-4.10%	72.6%	2,333	5,260	-0.87%	69.3%
Z	Pintuyan	7,872	7,034	89.4%	8,177	5,283	-2.82%	64.6%	1,010	7,378	0.15%	88.0%
	Saint Bernard	19,153	17,560	91.7%	20,760	19,232	0.91%	92.6%	3,034	18,329	-0.29%	85.8%
	San Francisco	9,995	7,605	76.1%	10,438	8,151	0.70%	78.1%	2,222	7,321	-1.40%	76.7%
	San Juan	11,614	7,501	64.6%	11,703	7,555	0.07%	64.6%	3,800	7,592	-0.47%	66.6%
	San Ricardo	7,331	7,331	100.0%	9,723	7,626	-	78.4%	695	7,174	-3.02%	91.2%
	Silago	9,323	7,786	83.5%	9,733	7,706	-0.10%	79.2%	2,114	7,671	-0.16%	78.4%
1	Sogod	26,246	21,644	82.5%	31,342	25,381	1.61%	81.0%	7,626	23,436	-1.31%	75.4%
] [Tomas Oppus	12,480	12,480	100.0%	13,192	10,127	T -	76.8%	1,932	10,677	-0.62%	84.7%
	Province	296,294	251,499	84.9%	321,940	256,043	0.18%	79.5%	78,563	239,002	-0.65%	75.3%

2) Projection of urban and rural population for the years 1998, 2004 and 2010. The urban population by municipality for the target years was first projected and the rural population was calculated to meet the aforementioned total population by fixing the urban population.

In the projection of municipal urban population, the following are assumed by short/medium-term and long-term periods.

Short/Medium-term target: 1998 and 2004
Growth rates between 1990 and 1995 in terms of the profile of urban population to total population by municipality were basically adopted. However, for the municipalities having drastic change of growth rates between the two census periods of 1990 - 1995 and 1980 - 1990 (negative to positive/positive to negative), the average growth rates between 1980 and 1995 were employed in order to avoid a negative growth. These municipalities are Pintuyan and Saint Bernard.

In addition, some modifications were made as follows:

- Municipalities of Hinunangan, Hinundayan and Maasin; Respective average growth rates from 1980 to 1995 were employed considering that growth rates between 1990 and 1995 indicated very high increase (about 10% or more).
- Municipalities of Bontoc, Libagon, San Francisco, San Juan, San Ricardo and Tomas Oppus; Population in 1995 was fixed for short/medium-term to avoid a negative growth rate.
- Municipality of Macrohon; Population in 1995 was fixed for short/mediumterm considering a higher growth rate between 1980 and 1995, although a negative growth rate was recorded between 1990 and 1995.
- Long-term target: 2010

For the long-term projection, the adopted share of urban/rural population in 2004 may be applied for the municipal population in 2010, assuming that the share of urban/rural population in the medium-term period will not drastically change.

Under the above assumptions, the provincial average share of urban population for the year 2010 was arrived at 33.9%, higher than the figures in 1995 (24.7%) and in 1990 (20.5%). Table 8.3.6 presents the projected urban and rural population. The growth rates and shares on rural population were calculated using the estimated rural population.

Table 8.3.6 Population Projection by Urban and Rural Area: 1998, 2004 and 2010

1	Halleton T. St. T. St. Stephen T. St. St. St. St. St. St. St. St. St. St		1998	TOUTHOUSE THE	Constant and the second		200	4	**************************************		201	0	
ī	Municipality	Total	Urban/ Rural	G.R. (%)	Share (%)	Total	Urban/ Rural	G.R.	Share	Total	Urban/	G.R.	Share
t-r	Anahawan	6,278	2,805	0.76%	44.7%	5,874	5,936	(%) 0.76%	(%)		Rural	(%)_	(%)
lŀ	Bontoc .	23,795	3,780	0.00%	15.9%	23,268	3,780	0.00%	50.0%	<u>- 5,478</u> - 22,752	2,738		50.0%
	Hinunangan	22,077	1,575	3.88%	7.1%	21,883	1,980	3.88%	9.0%	21,693	3,696		16 2%
	Hinundayan	10,830	4,307	3.84%	42.7%	11,275	5,399	3.84%	52 2%	11,711	1.963		90%
	Libagon	10,596	1,450	0.00%	13.7%	10,265	1,450	0.00%			5,603	0.61%	52 2%
	Liloan	15,761	4,557	061%	27.2%	15,926	4,726	0.61%	29.7%	9,940	1,404		14.1%
ŀ	Limasawa	5,060	1,229	1 28%	24.3%	5,339	1,327	1.29%	24.9%	15,107	4,4B3		29.3%
!	Maasin	63,436	30,316	5.71%	47.8%	62,788	42,311	5.71%		5,612	1,395	0.84%	24.9%
6 L.		19,939	6,698	0.00%	33.5%	19,767			67.4%	67,153	41,883		67.4%
15	Macrohon	18,639	2,882	4.08%	17.77		6,698	0.00%	33.9%	19,551	6,625		33.9%
l≩ŀ	Malitbog	7.664		2 7 2 7	15.5%	20,025	3,665	4.02%	18.3%	21,384	3,914	1.10%	18 3%
Urban Area	Padre		2,543	2 91%	33.2%	7,813	3,021	2.91%	38.7%	7,959	3,077	031%	38.7%
[၁၂	Pintuyan	8,457	1,048	1 24%	12.4%	8,601	1,129	1.25%	13.1%	8,742	1.148	0 25%	13.1%
1 }	Saint Bernard	21,560	3,475	4 63%	16.1%	21,972	4,559	4.63%	20.7%	22,376	4,643	0.30%	20.7%
l	San Francisco	9,251	2,222	0.00%	24.0%	8,640	2,222	0,00%	25.7%	8,011	2,068		25.7%
	San Juan	11,290	3,800	0.00%	33.7%	11,078	3,800	0.00%	343%	10,870	3,729	•	34.3%
l	San Ricardo	7,264	695	0.00%	9.6%	5,998	695	0.00%	11.6%	4,757	551		11.6%
Į ļ	Silago	9,802	2,168	0.84%	22.1%	9,838	2,280	0.84%	23.2%	9,873	2,288	0.06%	23.2%
! !	Sogod	30,970	8,841	5.05%	28.5%	30,778	11,882	5.05%	33.6%	30,591	018,11		38.6%
1	Tomas Oppus	12,419	1,932	0.00%	15.6%	12,021	1,932	0.00%	16.1%	11,631	1,869	-	16.1%
	Province	-316,137	86,313	3.19	27.4%	313,149	105,792	3.45%	33.9%	310,221	104,892	•	33.9 %
	Anahawan	6,278	3,473	-	55.3%	5,874	2,938	-2.75%	50.0%	5,478	2,740		50.0%
	Bontoc	23,795	20,015		84.1%	23,268	19,488	-0.44%	83.8%	22,752	19,056	-	83.8%
	Hinunangan	22,077	20,502	-	92.9%	21,883	19,903	-0.49%	91.0%	21,693	19,730		91.0%
1	Hinundayan	10,830	6,523		60.2%	11,275	5,876	-1.73%	52.1%	11,711	6,103	0.63%	52.1%
1 1	Libagon	10,596	9,146		86.3%	10,265	8,815	-0.61%	85.9%	9,940	8,536	,	85.9%
	Liloan	16,761	12,204	-	72.8%	15,926	11,200	-1.42%	70.3%	15,107	10,624		70.3 %
	Limasawa	5,060	3,831	0.77%	75.7%	. 5,339	4.012	0.77%	75.1%	5,612	4,217	0.83%	75.1%
ļļ	Maasin	63,436	33,120		- 52 2%	62,788	20,477	7.70%	32.6%	62,153	20,270	-	32.6%
Area	Macrohon	19,988	13,290	-	66.5%	19,767	13,069	-0.28%	66.1%	19,551	12,926	-	651%
	Malitbog	18,639	15,757	0.72%	84.5%	20,025	16,360	0.63%	81.7%	21,384	17,470	1.10%	81.7%
Rural	Padre	7,664	5,121	-	66.8%	7,813	4,792	1.10%	61.3%	7.959	4,852	0.31%	61.3%
2	Pintuyan	8,457	7,409	0.14%	87.6%	8,601	7,472	0.14%	85.9%	8,742	7,594	0.27%	86.9%
	Saint Bernard	21,560	18,085		83.9%	21,972	17,413	-0.63%	79.3%	22,376	17,733	0.30%	79.3%
1	San Francisco	9,251	7,029	-	76.0%	8,649	6,418	-1.50%	74.3%	8,041	5,973		74.3%
	San Juan	11,290	7,490		66.3%	11,078	7,278	-0.48%	65.7%	10,870	7,141		65.7%
	San Ricardo	7,264	6,569	-	90.4%	5,998	5,303	-3.51%	88.4%	4,757	4,206	-	88.4%
	Silago	9,802	7,634		77.9%	9,838	7,558	-0.17%	76.8%	9,873	7,585	0.06%	76.8%
	Sogod	30,970	22,129	-	71.5%	30,778	18,896	-2.60%	61.4%	30,591	18,781	-	61.4%
	Tomas Oppus	12,419	10,487		84.4%	12,021	10,089	-0.64%	83.9%	11,631	9,762		83.9%
	Province	316,137	219,814	-	72.6%	313,149	207,357	-	66.1%	310,221	205,329		66.1%

Table 8.3.7 Projected Number of Households by Urban and Rural Area by Municipality by Target Year

Table Tabl	Capinal Processor Capinal Processor 1995 1996 19									N	Number of Households	ouseholds					
ne of Municipality Urban Rural Total Total <th>ne of Municipality Urban Rural Total Urban Rural Total<th></th><th>ĭ</th><th>vasehold S.</th><th>22</th><th></th><th></th><th>Ì</th><th></th><th>1</th><th> -</th><th></th><th>ı</th><th></th><th></th><th>2010</th><th></th></th>	ne of Municipality Urban Rural Total Urban Rural Total <th></th> <th>ĭ</th> <th>vasehold S.</th> <th>22</th> <th></th> <th></th> <th>Ì</th> <th></th> <th>1</th> <th> -</th> <th></th> <th>ı</th> <th></th> <th></th> <th>2010</th> <th></th>		ĭ	vasehold S.	22			Ì		1	-		ı			2010	
Orbins Rural Total Urban Rural Rural Total Rural Rural <t< th=""><th> Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Urban Rural Urban Rural Urban Urba</th><th>Nemo of Musicinality</th><th></th><th>1995</th><th></th><th></th><th>1995</th><th></th><th></th><th>1998</th><th>-</th><th></th><th>7007</th><th>,</th><th></th><th></th><th>12.65</th></t<>	Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Total Urban Rural Urban Rural Urban Rural Urban Urba	Nemo of Musicinality		1995			1995			1998	-		7007	,			12.65
van 4 69 5.08 4.75 1,402 598 762 1,360 626 644 1,270 van 4.69 5.09 5.08 757 3,978 4,735 758 3,932 4,690 758 3,822 4,590 757 ngan 4.65 4.56 4.57 3,078 4,735 758 3,932 4,690 758 3,522 4,590 757 3,703 4,736 4,890 757 4,580 2,591 1,249 2,890 4,890 4,580 4,580 4,580 4,580 4,580 4,580 2,570 1,141 1,220 2,570 1,141 1,280 2,570 1,140 1,280 2,570 4,480 1,141 1,280 2,570 4,480 2,571 4,480 2,571 3,509 968 2,571 3,509 968 2,571 3,509 968 2,571 3,500 968 2,571 3,500 968 2,571 3,500 3,501 3,501 <th>van 4.69 5.09 5.08 817 1,402 598 762 1,360 626 644 gan 4.69 5.09 5.09 7.57 3,978 4,735 758 3,932 4,690 758 3,829 avan 4.65 4.56 4.57 3,078 4,735 758 3,932 4,690 758 3,829 avan 4.65 4.56 4.57 3,078 4,735 758 3,932 4,690 758 3,829 avan 4.65 4.76 4.76 3,978 4,736 2,736 1,141 1,229 avan 4.85 4.77 4.77 3,294 3,34 2,575 3,509 968 2,363 capital) 4.86 4.77 4.77 3,294 3,34 2,575 3,509 968 2,363 wa 4.86 4.77 4.77 5,298 8,062 13,500 1,360 2,575 3,509 2,675</th> <th>Carediannal to amen</th> <th>11-1-10-0</th> <th>Daren</th> <th>Total</th> <th>Urban</th> <th>Rural</th> <th>Total</th> <th>Urban</th> <th>Rural</th> <th>Total</th> <th>Crban</th> <th>Rural</th> <th>lotal</th> <th>Oroan</th> <th>Kurai</th> <th>1017</th>	van 4.69 5.09 5.08 817 1,402 598 762 1,360 626 644 gan 4.69 5.09 5.09 7.57 3,978 4,735 758 3,932 4,690 758 3,829 avan 4.65 4.56 4.57 3,078 4,735 758 3,932 4,690 758 3,829 avan 4.65 4.56 4.57 3,078 4,735 758 3,932 4,690 758 3,829 avan 4.65 4.76 4.76 3,978 4,736 2,736 1,141 1,229 avan 4.85 4.77 4.77 3,294 3,34 2,575 3,509 968 2,363 capital) 4.86 4.77 4.77 3,294 3,34 2,575 3,509 968 2,363 wa 4.86 4.77 4.77 5,298 8,062 13,500 1,360 2,575 3,509 2,675	Carediannal to amen	11-1-10-0	Daren	Total	Urban	Rural	Total	Urban	Rural	Total	Crban	Rural	lotal	Oroan	Kurai	1017
A	van 4.59 4.50 5.00 5.00 5.00 4.50 7.52 4.690 7.58 3.922 4.690 7.58 3.829 ngan 4.59 4.50 4.57 3.00 4.50 <th< td=""><td></td><td>Official</td><td>***</td><td>67.7</td><td>202</td><td>9171</td><td>1 402</td><td>598</td><td>762</td><td>1,360</td><td>626</td><td>44</td><td>1.270</td><td>685</td><td>685</td><td>1.570</td></th<>		Official	***	67.7	202	9171	1 402	598	762	1,360	626	44	1.270	685	685	1.570
ngan 4.59 5.08 7.57 3.549 4,745 7.59 4,755 7.59 4,755 4,757 3.549 4,745 4,755 2.20 4,756 2.276 4,791 1.11 1.229 2.570 avan 4,65 4,57 3.09 1,221 2.20 1,365 2.276 1,141 1,229 2.570 avan 4,68 4,76 4,77 917 2,677 3,594 934 2,755 3,509 968 2,460 4,791 avan 4,88 4,74 4,77 917 2,677 3,594 934 2,575 3,509 968 2,460 3,511 capital) 4,88 4,74 4,77 917 2,677 3,594 2,575 3,509 968 2,460 3,511 capital) 4,88 4,77 4,77 5,296 3,506 1,521 1,722 3,509 968 2,460 1,500 capital 4,75 4,89	ngan 4.99 5.09 5.08 757 357.6 4,752 7.50 4,752 7.50 4,757 357.6 4,757 357.6 4,757 357.6 4,757 357.6 4,757 357.6 4,757 357.6 4,757 357.6 4,757 3,769 4,757 3,759 951 2,757 3,594 2,875 2,757 3,759 968 2,365 3,565 2,756 1,141 1,222 wa 4,88 4,72 4,77 5,298 3,662 2,571 3,594 2,575 3,509 968 2,365 capital) 4,88 4,77 4,77 5,298 8,062 13,504 2,57 3,509 968 2,365 capital) 4,84 4,77 4,77 5,298 8,062 13,504 2,57 3,509 968 2,365 wa 5,14 4,77 4,80 1,411 2,774 4,185 1,410 2,752 1,410 2,752 1,410 <th< td=""><td>Anahawan</td><td>4.69</td><td>5.50</td><td>4.07</td><td>25</td><td>1000</td><td>204.1</td><td>934</td><td>2 022</td><td>4 690</td><td>758</td><td>3.829</td><td>4.587</td><td>924</td><td>4,764</td><td>5.688</td></th<>	Anahawan	4.69	5.50	4.07	25	1000	204.1	934	2 022	4 690	758	3.829	4.587	924	4,764	5.688
Action 4.65 4.56 4.57 302 4.549 4.811 339 4,490 4,635 1,141 1,236 2,276 1,141 1,236 2,276 1,141 1,236 2,175 3,509 2,801 1,821 2,111 2,111 2,111 1,111 2,111 1,111 2,111 1,111 2,111	Action 4.65 4.57 302 4.549 4.851 339 4,490 4,825 1.101 2,200 4,826 2,200 4,826 2,200 2,200 2,200 2,200 2,200 1,821 2,201 avan 4,88 4,74 4,77 3,72 3,501 3,509 2,607 1,821 2,901 1,306 2,103 2,603 1,821 2,203 1,821 2,503 3,803 1,821 2,503 3,803 1,821 2,513 3,509 9,68 2,363	Bontoc	4.99	\$.09	5.08	/5/	3,7/8	20/2		3000	200.	30,	1 265	4 701	401	4.933	5.424
wa 4.73 4.76 814 1,416 2,220 911 1,365 2,276 1,441 1,429 2,370 2,276 1,41 1,429 2,371 avan 5.00 4.84 4.74 4.77 917 2,677 3,594 934 2,575 3,599 966 2,375 3,599 966 1,820 2,180 2,180 1,821 2,111 wa 4.85 4.72 4.77 5,298 8,062 13,560 2,664 7,017 13,281 8,742 4,363 1,080 1 wa 4.85 4.72 4.77 5,298 8,062 13,360 2,664 7,017 1,410 2,772 4,162 1,410 2,772 4,162 1,410 2,772 4,162 1,410 2,772 4,164 1,605 2,664 1,602 1,410 2,772 4,164 1,605 2,664 4,375 2,426 2,772 4,165 1,410 2,772 4,164 1,605 2	wa 4.73 4.76 814 1,416 2,230 911 1,365 2,276 1,141 1,429 avan 5.00 4.84 4.86 290 1,921 2,211 290 1,890 2,180 290 1,821 avan 4.88 4.74 4.77 917 2,677 3,594 2,575 3,509 968 2,363 va 4.88 4.72 4.77 5,298 8,062 13,360 259 1,821 2,366 2,363 2,368 <th< td=""><td>11.0</td><td>4.65</td><td>4.56</td><td>4.57</td><td>302</td><td>4,549</td><td>4,851</td><td>339</td><td>4,490</td><td>4,835</td><td>071</td><td>COC's</td><td>177.</td><td></td><td>705.</td><td>200 0</td></th<>	11.0	4.65	4.56	4.57	302	4,549	4,851	339	4,490	4,835	071	COC's	177.		705.	200 0
ayan 3,70 4,84 4,86 290 1,921 2,571 3,594 2,575 3,599 2,180 2,96 2,180 290 1,821 2,111 ava 4,88 4,74 4,77 917 2,677 3,594 934 2,575 3,509 968 2,363 3,331 wa 4,88 4,72 4,73 2,47 5,298 8,062 13,360 6,264 7,017 13,281 8,742 4,166 1,080 1,180 1,090 1,116 2,774 4,185 1,410 2,752 4,162 1,410 2,706 4,116 1,410 2,706 4,116 2,907 3,283 1,706 1,706 1,707 1,116 2,706 3,403 4,60 1,410 2,707 4,116	ayan 3,00 4,84 4,86 290 1,821 2,90 1,890 2,180 2,90 1,821 at 4,88 4,74 4,77 917 2,677 3,594 934 2,575 3,509 968 2,363 wa 4,88 4,74 4,77 917 2,677 3,594 934 2,575 3,509 968 2,363 wa 4,88 4,72 4,77 5,298 8,062 13,360 6,264 7,017 13,281 8,742 4,373 con 4,75 4,83 4,80 1,411 2,774 4,185 1,410 2,752 4,162 1,410 2,706 1,410 2,752 4,162 1,410 2,706 1,410 2,752 4,162 1,410 2,706 1,410 2,706 1,410 2,706 1,410 2,706 1,410 2,706 1,410 2,706 1,410 2,706 1,410 2,706 1,410 2,707 4,185 1,410	rinitality with	27.7	4 78	4.76	814	1.416	2,230	116	1,365	2,276	1,141	1.229	7/57	704.1	0701	207 4
A.88 4.74 4.77 5.77 5.77 5.75 5.59 968 2,575 3,509 968 2,363 3,331 wa 4.88 4.74 4.77 5.28 5,662 13,594 924 2,575 3,502 274 806 13,360 6,264 7,017 13,281 8,742 4,358 13,080 116 Capital) 4.88 4.77 5,288 8,062 13,360 6,264 7,017 13,281 8,742 4,358 13,080 116 Capital) 4.89 4,77 5,288 8,062 13,360 6,264 7,017 13,281 8,742 4,116 1,410 2,752 4,162 1,410 2,752 4,162 1,410 2,752 4,162 1,410 2,752 4,162 1,410 2,752 4,162 1,410 2,752 4,162 1,410 2,752 4,162 1,410 2,752 4,162 1,410 2,752 4,162 1,410 2,752 4,162	value 4.88 4.74 4.77 5.77 5.57 5.594 934 2.575 3.509 968 2.363 wa 4.88 4.74 4.77 5.28 8.062 13.28 769 1.022 2.74 806 Capital) 4.84 4.72 4.77 5.288 8.062 13.360 6.264 7.017 13.281 8.742 4.358 1.060 Capital) 4.84 4.77 5.288 8.062 1.360 6.264 7.017 13.281 8.742 4.358 1.410 2.774 4,185 1.410 2.752 4,162 1.410 2.776 4,185 1.410 2.752 4,162 1.410 2.776 4,185 1.410 2.752 4,162 1.410 2.752 4,162 1.410 2.752 4,162 1.410 2.752 4,162 1.410 2.762 4,273 2.867 3.523 1.423 2.867 3.523 1.423 1.423 1.424 1.425 1.425	Hinundayan	600	200	70 7	002	1001	2.211	290	1.890	2,180	290	1,821	2,111	351	٠	2,435
wa 4.88 4.74 4.71 317 274 757 376 253 769 1,022 276 1,080 1,090	wa 4.88 4.74 4.77 511 4.87 5.29 5.29 5.25 769 1.022 2.74 806 Capital) 4.84 4.72 4.77 5.298 8,062 13.360 6,264 7.017 13.281 8.742 4,358 1 on 4.75 4.83 4.80 1,411 2,774 4,185 1,410 2,752 4,162 1,410 2,706 on 5.14 4.85 4.80 1,411 2,774 4,185 1,410 2,752 4,162 1,410 2,706 wa 5.14 4.85 4.80 1,030 1,416 4,86 1,002 1,488 5.78 946 3,738 branch 5.08 5.23 5.23 1,99 1,406 1,605 2,967 4,375 946 3,518 cenard 4.82 4.95 4.95 1,669 2,494 835 1,641 1,641 1,642 1,411 crossol<	Libagon	5.00	4.04	4.00	257	12.5	7 404	D20	2.575	3.509	896	2,363	3,331	1,121		3.777
wa 4.85 4.98 4.95 244 724 379 6.264 7.017 13.281 8.742 4.38 13.080 1 Capital) 4.84 4.77 5.298 8.062 13.360 6.264 7.017 13.281 8.742 4.316 4.116	wa 4.85 4.98 4.95 244 722 390 4.55 7.017 1.3.281 8.742 4.538 1.410 2.752 4.162 1.410 2.752 4.162 1.410 2.706 Capital) 4.84 4.75 4.80 1.411 2.774 4.185 1.410 2.752 4.162 1.410 2.706 ind 5.14 5.31 5.28 4.87 2.906 3.403 5.61 2.967 3.528 713 3.081 Burgos 5.23 5.11 5.14 4.40 1.636 1.476 2.967 3.528 718 938 burgos 5.23 5.13 1.496 1.406 1.406 1.402 1.488 5.78 938 burgos 5.08 5.23 5.23 1.406 1.406 1.406 1.411 1.411 1.411 m. (Cabalian) 4.55 4.55 8.26 1.658 2.494 4.575 9.46 3.518	Liloan	4.58	4.74	4.//	71,	11000	700	2553	2,40	1 022	274	808	1.080	349	1,054	1,403
(Capital) 4.84 4.72 4.77 5.298 8,062 13.360 6,204 7,017 13,431 5,146 7,146 7,162 1,410 2,774 4,185 1,410 2,752 4,162 1,410 2,706 4,162 1,410 2,706 4,116 1,410 2,706 4,162 1,410 2,706 4,116 1,410 2,706 4,116 1,410 2,706 4,116 1,410 2,706 4,116 1,410 2,706 4,116 1,410 2,706 4,116 1,410 2,706 4,116 1,410 2,706 4,116 1,411 1,416 2,706 1,411 1,411 1,411 1,411 1,411 1,411 1,411 1,411 1,411 1,411 1,411 1,411 1,411 1,411 1,411 1,411 1,411 1,411 1,412 1,412 1,412 1,412 1,412 1,412 1,412 1,412 1,412 1,412 1,412 1,412 1,412 1,412 1,412	(Capital) 4.84 4.72 4.77 5,298 8,062 13.360 6,264 7,017 13,241 5,742 7,75 on 4.75 4.83 4.80 1,411 2,774 4,185 1,410 2,752 4,162 1,410 2,706 Nurgos 5.14 5.31 5.28 497 2,906 3,403 561 2,967 3,528 713 3,708 Nurgos 5.23 5.11 5.14 446 1,030 1,476 486 1,002 1,411 1,617 2,202 1,411 2,708 3,518 938 nor cisco 4.82 4.95 4.93 629 3,703 4,332 721 3,654 4,375 946 3,518 nor cisco 4.55 4.55 4.55 4.55 4.58 1,610 2,098 488 1,545 2,033 488 1,411 1,617 2,221 1,411 1,617 1,411 1,617 2,430 4,489 1,4	Limasawa	4.85	4.98	4.95	244	70/	0	5,73	200	1000	0.345	V 220	080 21	10.471	5 068	15.539
Capital Capi	Complement 4.75 4.85 4.80 1,411 2,774 4,185 1,410 2,752 4,162 1,410 2,706 Residence 5.14 5.31 5.28 4.97 2,906 3,403 561 2,967 3,528 713 3,081 Burgos 5.14 446 1,030 1,476 486 1,002 1,488 578 938 Increase 5.08 5.25 5.23 199 1,406 1,605 206 1,411 1,617 222 1,423 Increase 4.82 4.95 4.93 629 3,703 4,332 721 3,654 4,375 946 3,518 Increase 4.55 4.55 4.55 4.88 1,610 2,098 488 1,511 3,654 4,375 946 3,518 Increase 4.55 4.57 8.36 1,669 2,494 835 1,642 1,656 2,139 4,489 6,290 2,470 823 <td>(Marie (Carina))</td> <td>4 84</td> <td>4.72</td> <td>477</td> <td>5,298</td> <td>8,062</td> <td>13,360</td> <td>6,264</td> <td>/10./</td> <td>15,461</td> <td>0./44</td> <td>000</td> <td>300.0</td> <td></td> <td>1</td> <td>303 /</td>	(Marie (Carina))	4 84	4.72	477	5,298	8,062	13,360	6,264	/10./	15,461	0./44	000	300.0		1	303 /
Oppus 3.14 4.75 4.75 2.906 3.403 561 2.967 3.528 713 3.081 3.794 Wears 5.14 5.31 5.28 497 2.906 3.403 561 2.967 3.528 713 3.081 3.794 Burgos 5.23 5.13 5.14 446 1,030 1,476 486 1,002 1,488 578 578 452 1,514 2.22 1,475 464 Incisco 4.82 4.95 4.95 4.95 4.55 4.86 1,610 2,098 488 1,545 2,033 488 1,411 1,899 2,424 Incisco 4.55 4.55 4.55 4.55 4.56 1,610 2,098 488 1,545 2,033 488 1,411 1,899 2,470 895 1,289 1,289 1,589 1,589 1,545 2,470 895 1,589 1,583 1,689 1,689 1,689 1,699	Op/Engle 4.75 5.28 4.97 2.906 3.403 561 2,967 3.528 713 3.081 Weight 5.14 5.18 4.97 2.906 3.403 561 2,967 3.528 713 3.081 Burgos 5.18 5.13 5.14 446 1.030 1.476 486 1.002 1.488 578 936 Increase 5.08 5.25 5.23 1.99 1.406 1.605 206 1.411 1.617 222 1.423 Increase 4.52 4.55 4.55 4.55 4.55 4.55 4.57 946 3.518 Increase 4.55 4.55 4.57 836 1.610 2.098 488 1.545 2.703 488 1.411 Increase 4.55 4.57 836 1.683 2.494 835 1.642 1.539 1.462 1.539 1.462 1.539 1.546 1.566 2.113 461	Massin (Capital)	Į,	23 6	A 80	1411	2.774	4,185	1,410	2,752	4,162	1,410	2,706	4.110	000.1	757	3000
Ng 5.14 5.34 5.38 457 2,300 3,400 1,476 486 1,002 1,488 578 978 1,516 burgos 5.23 5.11 5.14 446 1,030 1,476 1,617 222 1,423 1,645 cenard 4.82 4.95 4.95 4.53 4.33 721 3,654 4,375 946 3,518 4,464 encisco 4.55 4.55 4.55 4.55 4.55 4.55 2,404 835 1,642 2,703 488 1,111 1,899 2,424 nn (Cabalian) 4.55 4.55 4.57 836 1,658 2,494 835 1,642 1,539 1,462 1,539 1,642 1,539 1,642 1,539 1,642 1,539 1,642 1,539 1,642 1,539 1,642 1,530 1,642 1,539 1,642 1,539 1,642 1,539 1,642 1,539 1,642 1,539 1,64	Name S.14 5.31 5.28 457 4,900 3,700 486 1,002 1,488 578 938 Furgos 5.23 5.14 446 1,030 1,476 486 1,002 1,488 578 938 emard 4.82 4.95 4.93 4,610 2,008 488 1,411 1,617 222 1,423 emard 4.82 4.95 4.95 4.95 4.88 1,610 2,098 488 1,514 2,033 488 1,411 in (Cabalian) 4.55 4.55 4.55 4.57 836 1,610 2,034 4.375 946 3,518 ardo 4.55 4.57 836 1,658 2,494 835 1,642 1,539 1,462 1,539 ardo 4.54 5.02 4.97 1,583 1,533 1,402 1,536 1,632 2,113 4,85 1,636 ardo 4.54 4.65 4.67	Macrohon	7	3			760	2 402	195	2966	3.528	713	3.081	3,794	979	4.368	40.0
burgos 5.23 5.11 5.14 446 1,030 1,470 400 1,002	burgos 5.23 5.11 5.14 446 1,030 1,476 460 1,030 1,476 460 1,002 1,005 1,002 1,002 1,002 1,002 1,003 </td <td>Malitbog</td> <td>5.14</td> <td>5.31</td> <td>97.5</td> <td></td> <td>2,7</td> <td></td> <td>707</td> <td>1000</td> <td>387.</td> <td>825</td> <td>1850</td> <td>1.516</td> <td>692</td> <td>1.221</td> <td>265.</td>	Malitbog	5.14	5.31	97.5		2,7		707	1000	387.	825	1850	1.516	692	1.221	265.
n 5.08 5.23 5.23 1496 1,605 206 1,411 1,617 422 1,525 1,525 1,525 1,525 1,525 1,525 1,525 1,526 1,525 1,525 1,526 1,526 1,525 1,526 1,526 1,526 1,526 1,526 1,526 1,526 1,526 1,526 1,529 1,526 1,526 1,529 1,526 1,529 1,529 1,526 1,529 1,529 1,526 1,529 2,121 1,529 2,121 1,529 2,121 1,529 2,121 1,529 2,121 1,529 2,121 2,529 2,529 2,529 2,428 2,529 2,428 2,529 2,429 2,529 2,529	n 5.08 5.25 5.23 199 1,406 1,605 206 1,411 1,017 422 1,223 ernard 4.82 4.95 4.93 629 3,703 4,332 721 3,654 4,375 946 3,518 incisco 4.55 4.55 4.55 4.57 836 1,619 2,098 488 1,545 2,033 488 1,411 incisco 4.54 5.02 4.57 836 1,658 2,494 835 1,642 1,589 1,642 1,589 1,642 1,589 1,642 1,589 1,642 1,589 1,642 1,589 1,642 1,589 1,642 1,63 1,642 1,63 1,642 1,63 1,642 1,63 1,642 1,63 1,642 1,63 1,642 1,63 1,642 1,63 1,642 1,63 1,63 1,643 1,643 1,643 1,643 1,643 1,643 1,643 1,643 1,643 1,643 <td>Padre Burgos</td> <td>5.23</td> <td>5.11</td> <td>5.14</td> <td>446</td> <td>1.050</td> <td>0/\$/</td> <td>200</td> <td></td> <td>001,</td> <td>2 5</td> <td>1,00</td> <td>1777</td> <td>787</td> <td>008</td> <td>2.186</td>	Padre Burgos	5.23	5.11	5.14	446	1.050	0/\$/	200		001,	2 5	1,00	1777	787	008	2.186
Interior 4.82 4.93 4.93 4.332 721 3.654 4.375 946 3.518 4.464 ermand 4.82 4.95 4.83 1,610 2.098 488 1,545 2.033 488 1,411 1.899 merisco 4.55 4.55 4.57 836 1,658 2,494 835 1,635 2,470 835 1,389 2,424 m (Cabalian) 4.54 5.02 4.57 836 1,658 2,494 835 1,635 2,470 835 1,289 2,424 ardo 4.54 4.57 836 1,660 2,110 461 1,652 2,113 485 1,636 2,121 ardo 4.79 4.92 4.757 6,311 1,801 4,489 6,290 2,420 3,833 2,080 2,468 Oppus 4.98 4.87 4.87 4.93 4.757 6,311 1,7857 4,734 65,241 21,863 2,466 <td>Interior 4,35 4,37 721 3,654 4,375 946 3,518 ernard 4,35 4,55 4,95 4,95 4,95 4,95 4,95 2,098 488 1,545 2,093 488 1,411 micoso a.55 4,55 4,55 4,55 4,57 836 1,610 2,098 488 1,545 2,033 488 1,411 ni (Cabalian) 4,55 4,54 4,57 1,53 1,649 1,583 1,63 1,640 1,640 2,110 461 1,652 2,113 485 1,636 ardo 4,54 4,52 4,54 4,57 6,311 1,801 4,489 6,290 2,420 3,833 Oppus 4,98 4,87 4,87 3,83 2,203 2,591 3,83 2,162 2,550 3,83 2,080 Provincial Total 4,83 4,87 16,258 49,309 65,567 17,857 47,384 65,241 <</td> <td></td> <td>\$ 0.8</td> <td>5.25</td> <td>5.23</td> <td>199</td> <td>1,406</td> <td>1,605</td> <td>206</td> <td>1,411</td> <td>/101</td> <td>777</td> <td>11,260</td> <td></td> <td></td> <td>,,,,</td> <td>1033</td>	Interior 4,35 4,37 721 3,654 4,375 946 3,518 ernard 4,35 4,55 4,95 4,95 4,95 4,95 4,95 2,098 488 1,545 2,093 488 1,411 micoso a.55 4,55 4,55 4,55 4,57 836 1,610 2,098 488 1,545 2,033 488 1,411 ni (Cabalian) 4,55 4,54 4,57 1,53 1,649 1,583 1,63 1,640 1,640 2,110 461 1,652 2,113 485 1,636 ardo 4,54 4,52 4,54 4,57 6,311 1,801 4,489 6,290 2,420 3,833 Oppus 4,98 4,87 4,87 3,83 2,203 2,591 3,83 2,162 2,550 3,83 2,080 Provincial Total 4,83 4,87 16,258 49,309 65,567 17,857 47,384 65,241 <		\$ 0.8	5.25	5.23	199	1,406	1,605	206	1,411	/101	777	11,260			,,,,	1033
crn ard 4.82 / 4.75 4.75 / 4.55 4.88 / 4.55 4.88 / 4.55 1,510 / 4.55 2.098 / 4.88 4.88 / 1,545 1,411 / 1,899 1,899 nricisco 4.55 / 4.55 4.55 / 4.56 4.55 / 4.56 4.55 / 4.56 4.57 / 4.56 1,658 / 4.59 2,494 / 835 / 1,635 2,470 / 4.62 835 / 1,899 / 2,424 nriCabalian) 4.55 / 4.56 4.57 / 4.57 / 4.57 1,53 / 4.59 / 4.62 1,683 / 4.61 / 4.62 1,630 / 4.61 / 4.62 1,630 / 4.63 / 4.63 1,680 / 4.61 / 4.69 2,110 / 4.61 / 4.69 / 4.69 4,61 / 4.89 / 4.55 / 4.50 2,121 / 4.89 / 4.89 / 4.89 6,290 / 2,420 / 2,420 / 3.83 2,021 / 4.68 Applus 4,98 / 4.85 / 4.87 / 4.87 / 4.87 / 4.88 / 4.87 / 4.89 / 4.89 / 4.89 / 4.89 / 4.89 4,93 / 4.89 / 4.89 / 4.89 / 4.89 / 4.89 / 4.89 / 4.89 2,162 / 2,520 / 2,520 / 2,520 / 3.83 / 2,665 / 6.4529 / 2,520 /	crn ard 4.82 4.75 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.57 8.36 1,610 2,098 4.88 1,545 2,033 4.88 1,411 in (Cabalian) 4.55 4.55 4.57 8.36 1,658 2,494 835 1,635 2,470 835 1,589 in (Cabalian) 4.54 5.02 4.97 1,53 1,430 1,682 2,110 461 1,662 2,113 461 1,662 2,113 461 1,662 2,113 461 1,652 2,113 485 1,636 a (2) 4,91 4,62 4,64 4,60 1,660 2,110 461 1,652 2,113 485 1,636 A (3) 4,87 4,87 5,31 1,801 4,489 6,290 2,420 3,833 Oppus 4,98 4,87 4,87 3,88 2,162 2,550 3,83	rintuyan		30.	00,	064	1 703	4 332	721	3,654	4,375	946	3,518	4,464	1,161	4.435	7.00
motisco 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 4.55 1.658 2.494 835 1.635 2.470 835 1.658 2.494 835 1.635 2.120 1.509 1.209 1.209 nardo 4.54 5.02 4.97 1.53 1,430 1,652 2.113 485 1,636 2.121 4.70 4.64 4.64 4.757 6.311 1,801 4,489 6.290 2,420 3,833 6,253 Applus 4.98 4.85 4.87 388 2,203 2,567 17,887 47,384 65,241 21,863 42,666 64,529 2	Cabalian 4.55 4.5	Saint Bernard	4.82	4.95	Ç.	2007	1,610	2 008	488	1.545	2.033	888	1.411	1.899	517	1,493	2.010
m (Cabalian) 4.55 4.58 4.57 5.30 1,036 2,774 5.30 1,533 1,533 1,530 1,462 153 1,036 1,209 rardo 4.54 5.02 4.97 1,53 1,430 1,583 1,53 1,130 4,61 1,652 2,113 485 1,636 2,121 4.91 4.91 4.92 1,554 4,757 6,311 1,801 4,489 6,290 2,420 3,833 6,253 Oppus 4.98 4.85 4.87 388 2,203 2,551 2,162 2,550 3,833 2,080 2,468	m (Cabalian) 4.55 4.58 4.57 8.50 1,028 2,774 0.50 1,630 1,056 1.652 2,13 1,462 1,539 1,462 2,113 4,63 1,636 1,636 1,636 2,113 485 1,636 1,636 1,636 2,113 485 1,636 1,636 2,113 485 1,636 3,833 1,636 2,420 3,833 2,036 2,420 3,833 2,080 Oppus 4,98 4,85 4,87 388 2,203 2,591 3,83 2,162 2,550 3,83 2,080 Provincial Total 4,83 4,85 4,84 16,258 49,309 65,567 17,857 47,384 65,241 21,863 42,666 6	San Francisco	4.55	4.55	4.55	004	010.1	1000	258	5891	2470	835	1.589	2,424	932	1.785	2.717
compose 4.54 5.02 4.97 153 1,383 1,583 1,510 461 1,652 2,113 485 1,636 2,121 4.70 4.64 4.64 4.50 1,660 2,110 461 1,652 2,113 485 1,636 2,121 4.91 4.91 4.92 1,554 4,757 6,311 1,801 4,489 6,290 2,420 3,833 6,253 Oppus 4.98 4.85 4.87 388 2,203 2,591 3,88 2,162 2,550 388 2,080 2,468 Oppus 4.98 4.85 4.87 4.87 4.93 65,267 2,184 65,241 21,863 42,666 64,529 2	sardo 4.54 5.02 4.97 153 1,430 1,583 153 1,430 1,583 1,583 1,536 1,650 2,110 461 1,652 2,113 485 1,636 1,636 2,110 461 1,652 2,113 485 1,636 1,636 2,110 4,489 6,290 2,420 3,833 2,080 Oppus 4,98 4,85 4,87 388 2,203 2,591 388 2,162 2,550 388 2,080 Provincial Total 4,83 4,85 4,84 16,258 49,309 65,567 17,857 47,384 65,241 21,863 42,666 6	San Juan (Cabalian)	4.55	4.58	407	020	1.020	2,17	63.	2000	1.065	23.	1.056	1 209	138	1.052	21.18
4.70 4.64 450 1,660 2,110 461 1,652 2,113 483 1,630 2,121 4.91 4.93 4.92 1,554 4,757 6,311 1,801 4,489 6,290 2,420 3,833 6,253 Oppus 4.98 4.85 4.87 388 2,203 2,591 388 2,162 2,550 388 2,080 2,468 Oppus 4.98 4.85 4.87 4.87 4.83 4.85 4.85 4.86 64,529 2	Oppus 4.70 4.62 4.64 450 1,660 2.110 461 1.652 2.113 482 1,830 Oppus 4.91 4.92 4.92 1,554 4,757 6.311 1,801 4,489 6,290 2,420 3.833 Oppus 4.98 4.85 4.87 388 2,203 2,591 388 2,162 2,550 388 2,080 Provincial Total 4.83 4.84 16,258 49,309 65,567 17,857 47,384 65,241 21,863 42,666 6	San Dicardo	4.54	5.02	4 97	153	1.430	1.583	C.	1.000	1 200	300	767	1010	١	903	2 468
Oppus 4.98 4.99 4.87 1,554 4,757 6,311 1,301 4,489 6,290 2,420 3.833 6,253 Oppus 4.98 4.85 4.87 388 2,203 2,591 3.85 2,162 2,550 388 2,080 2,468 Oppus 4.98 4.85 4.87 388 2,203 2,551 2,162 2,550 388 2,080 2,468 Oppus 4.98 4.85 4.87 4.87 4.83 4.85	Oppus 4.91 4.85 4.87 1.554 4.757 6.311 1,801 4,489 6,290 2,420 3.833 Oppus 4.98 4.85 4.87 388 2.203 2.591 388 2,162 2,550 388 2,080 Provincial Total 4.83 4.84 16,258 49,309 65,567 17.857 47,384 65,241 21.863 42.666 6	Call Digital	96,8	4.62	464	450	1.660	2,110	461	1.652	2,113	485	1,050	4,141,	7/0	0001	1
4.91 4.92 4.87 388 2.203 2.591 388 2,162 2,550 388 2,080 2.468 Oppus 4.98 4.87 388 2.203 2.591 388 2,162 388 2,080 2.468	Oppus 4.91 4.92 4.87 1.28 2.203 2.591 388 2.162 2.580 388 2.080 Provincial Total 4.83 4.84 16,258 49,309 65,567 17,857 47,384 65,241 21,863 42,666 6	Silago			5	153	1757	11,29	1.801	4.489	6.290	2,420	3,833	6.253	2.953	C,0,4	3.
Oppus 4.98 4.85 4.87 3.88 2.203 2.371 300 5172 21363 42.666 64.529	Oppuls 4.88 4.87 388 2.203 2.391 389 2.203 2.301 2.301 2.301 2.301 2.302 2.301 2.301 2.302 42.666 6 Provincial Total 4.83 4.84 16.258 49.309 65.567 17.857 47.384 65.241 21.863 42.666 6	Sogod	4.91	4.93	76.4	1,000	, , , ,	153,6	300	2,162	2 550	388	2.0801	2.468	467	17.	2.908
40,364 05,441 4.364 05,441 4.364 05,441 4.364 05,441	cial Total 4.83 4.85 4.84 16,258 49,309 65,567 17,857 47,384 05,441 41,502 42,003	Tomas Oppus	4.98	4.85	4.87	388	507.7	1,6:7	202	1,3		670 16	22.50	003 17	3,5	51335	77.560
4.83		Drovincial Total	4.83	4.85	4.84	16,258	49.309	65,567	17,857	4/,354	11+7-00	(CDO: 1.2)	44,000		Į		

8.3.2 School Enrollment Projection

Table 8.3.8 Projected School Enrollment by Municipality by Target Year

			1998					2004					2010		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sept 1	Total	Total Enrollment	Public Sch	Public Sch. Enrollment	School 400	Total E	Total Enrollment	Public Sch	Public Sch. Enrollment	School Age	Total E	Total Enrollment	Public Sch	Public Sch. Enrollment
rame of municipality	Population Number	Number	Ę	Number	tion	Population	Number	Participation Rate	Number	Participation Rate	Population	Number 1	Participation Rate	Number	Participation Rate
	1,702	1.690	8	1.189	20,	1,592	1,512	95	1,114	7.0	1,485	1,411	56	0.00	ر 70
	7,108	6.403		6.403	06	6,951	6,603	56	6.603	56	6,797	6,457	95	6,457	95
	6,051	5.235	87	4,720	7.8	5,998	5,69%	95	5,098	85.	5.946	689'5	- 56	5.054	85
	2,819	2.719		2,310	23	2,935	2.788	- 56	2,495	85	3,048	5,896	95	2.591	\$
	2,992	3.059	ŀ	2,625	88	2,899	2,754	95	2,464	\$\$	2,807	29972	95	2,386	85
	4.616	ł	İ	4,333	96	4,386	4.167	95	3,728	85	4,160	3,952	- 45	3,536	X5
	1371	1	23	1.271	93	1,447	1.375	ያ	1,375	56	1,521	1,445	95	1,445	95
Maasin (Capital)	16,796	15,357	16	13,071	81	16,624	15,793	56	14,130	85	16,456	15,633	95	13,988	\$2
	5,565	5.679	102	5,166	83	5,503	5,228	95	.4.678	\$\$	5,443	5,171	95	4,627	85
	4,698	3.839		3,389	72	5,047	4,542	8	4,038	-80	5,390	5,121	95	4,582	. \$8
	2.169	1.892		1.407	65	2,211	2,100	95	1,879	85	2,252	2,139	95	1,914	83
	2,254	1.668	74	1.668	74	2.292	4.8.1	80	1,834	08	2,330	1,981	85	1,981	S
	5,993	5.108	88	1484	77	6,108	5.497	06	988*	80	6,220	5,909	95	4.976	80
San Francisco	2.534	2.862		2,393	2	2,367	2,367	001	2,130	06	2,203	2,093	95	1.762	0×
San Juan (Cabahan)	3,068	ı	8	2,611	85	3,010	2.709	06	2,709	06	2,953	2,805	. 95	2,805	95
	2,052	ı	110	2,260	110	1.694	1 694	100	1,694	100	1,344	. 1.277	95	1.277	45
	2,516		78	2.102	\$	2,525	2,273	06	. 2.273	06	2,534	2,407	. 95	2,407	٧.
	9,047		88	7.447	82	8,991	8.541	95	7,642	85	8,936	8,489	95	7,149	80
	3,579	3,471	- 62	3.056	85	3,464	3.464	100	3.118	06	3,352	3,184	- 55	.3.017	0.5
Provincial Total	86,930	79 990	92	72.062	83	86,044	80,939	46	73 888	3%	85.177	80.686	- 56	72,994	86

8.3.3 Projection on the Number of Public Utilities

Table 8.3.9 Projected Number of Public Utilities by Municipality by Target Year

Name of	T	1923	. 200) 1	201	U :
Municipality	Туре	No. of Public Utilities	Proposed Construction	Total	Proposed Construction	Total
	Public Market	11				
nabawan .	Bus/Jeepney Terrainal					
Turting at Gill	Parks/Playground				ļ	
	Total	<u> </u>	ll	<u> </u>	<u> </u>	<u>-</u>
	Public Market	<u>-</u>				
onice	Bus/Icopney Terminal Parks/Playground				· · · · · · · · · · · · · · · · · · ·	
	Total	f	} -	3		2
	Public Market	1	· · · · · · · · · · · · · · · · · · ·	1	t	
·	Bus Jeepney Terminal	i	l l	2		5
imunangan .	Parks/Playground					
	Total	2	1	3		
	Public Market	1				t
linundayan	Bus/Jeepney Terminal					
•	Parks/Playground	ļţ	ļ		-	
	Total Public Market					<u>2</u>
		 !		<u> </u>		
างระงง	Bus/Jeepney Tenninal Parks/Playground				 -	
	Total	1 2	1	1 2	1	2
	Public Market		1	2	1	2
Litoan	Bus/Jeepney Termina!		1			1
LFIQAN	Parks/Playground	1		<u> </u>		
	Total)		4	ļ	4
	Public Market	 _	·	 	 	
Limasawa	Bus/Jeepney Terminal	 	+		·	ļ
	Parks Playground	- 		 	 	1
	Total Public Market	 ;		3	+	3
	Bus/Jeepacy Terminal	 	1	1 2	+	2
Maasin (Capital)	Parks Playground	1	· · · · · · ·	 	 	1
. ,	Total	1 3	1	6		6
	Public Market	1	1	1		
Macrohon	Bus/Jeepney Terminal					
1424CTQBOH	Parks Playground	1				1
	Total	<u> </u>				<u> </u>
٠.,	Public Market	<u> </u>	<u> </u>	2		2
Malithog	Bus/Jeepney Terminal	 		ļ <u>.</u>		
-	Parks/Playground Total	1 2		1 3	- 	3
· · · · · · · · · · · · · · · · · · ·	Public Market	1 1	 	1 1		1 1
	Bus/Jeepney Terminal	· · · · · · · · · · · · · · · · · · ·	1	1		i
Padre Burgos	Parks Playground	 	1	1 i -		1
·	Total	3		3		3
	Public Market				ì	1
Pintuyan	Bus/Jeepney Terminal			<u> </u>		<u> </u>
. engran	Parks/Playground		_			ļ
	Fotal			_		 !
	Public Market			1		1 2
Saint Bernard	Bus/Jeepney Terminal		1 1	2	- 	
	Parks/Playground Total	<u>l</u> 3	- - 	1 4		4
	Public Market	 		 		
l	Bus/Jeepacy Terminal		-†	- 		
San Francisco	Parks/Playground	1	1	 		1
· .	Total	3		3		3
	Public Market	T T		1		1
San Juan (Cabalian)	Bus/Jeepney Tenninal	ł	1			
1	Parks/Playground	11		1 1		+
<u> </u>	Total	3				3
	Public Market				- 	
San Ricardo	Bus/Jeepney Terminal Parks/Playground	 	 -			1
1	Total					- - - -
ł	Public Market	1 -	1	 	- - - - - - - - - - 	┪ <u></u>
l.,	Bus/Jeepney Termina)	ŧ	1	1		
Silago	Parks/Playground	- i	1	1		1
I	Total	2		2		2
	Public Market	2		3		3
Sogod	Bus/Jeepney Terminal	1				1
	Parks/Playground					4
	Total	3		4		4
	Public Market					ļ
Tomas Oppus	Bus/Jeepney Terminal Parks/Playground			 		
	Parks Playground	 				-
	Public Market	17	4	21	7 2	23
	Bus/feenney Terminal	9		12		12
Provincial Total	Parks/Playground	12		12		12
				,		

8.4 Types of Facilities and Implementation Criteria

8.4.1 Water Supply

)

(1) Urban water supply

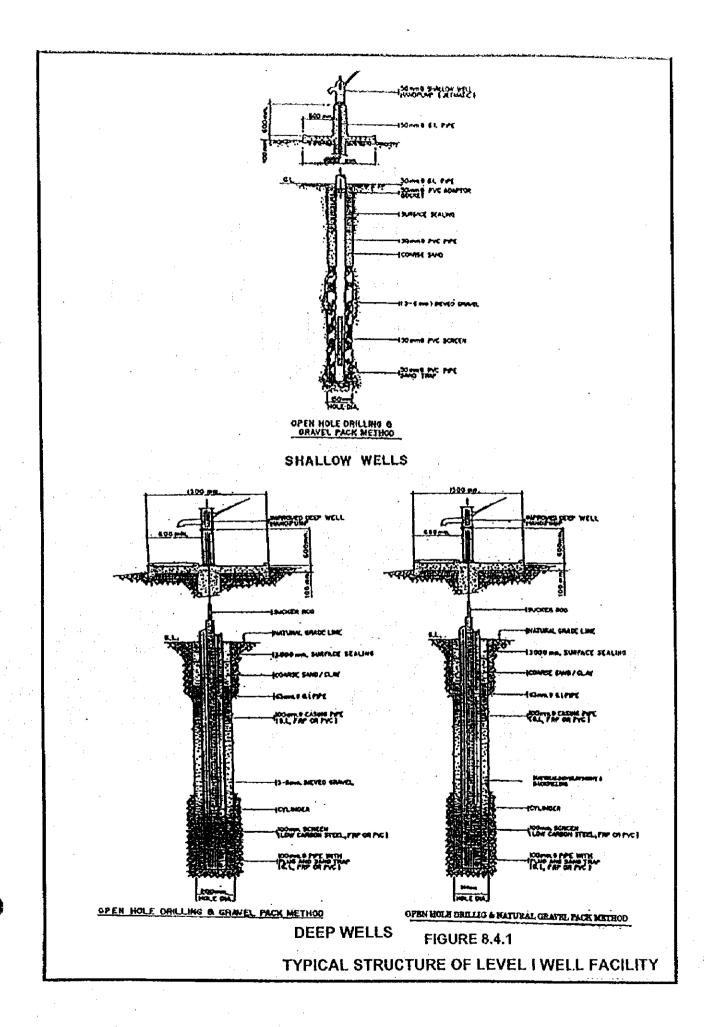
With regard to development/expansion of urban water supply by municipality, existing conditions, future requirements and planned/on-going projects were reviewed in preparation of this PW4SP. Potential water source for future development was also evaluated in Chapter 7, taking into account the possibility to utilize untapped spring sources. Location of urban area of respective municipalities/city was referred to Figure 3.4.1 in Chapter 3. Table 8.4.1 presents basic figures on the existing service coverage, water sources and future requirements.

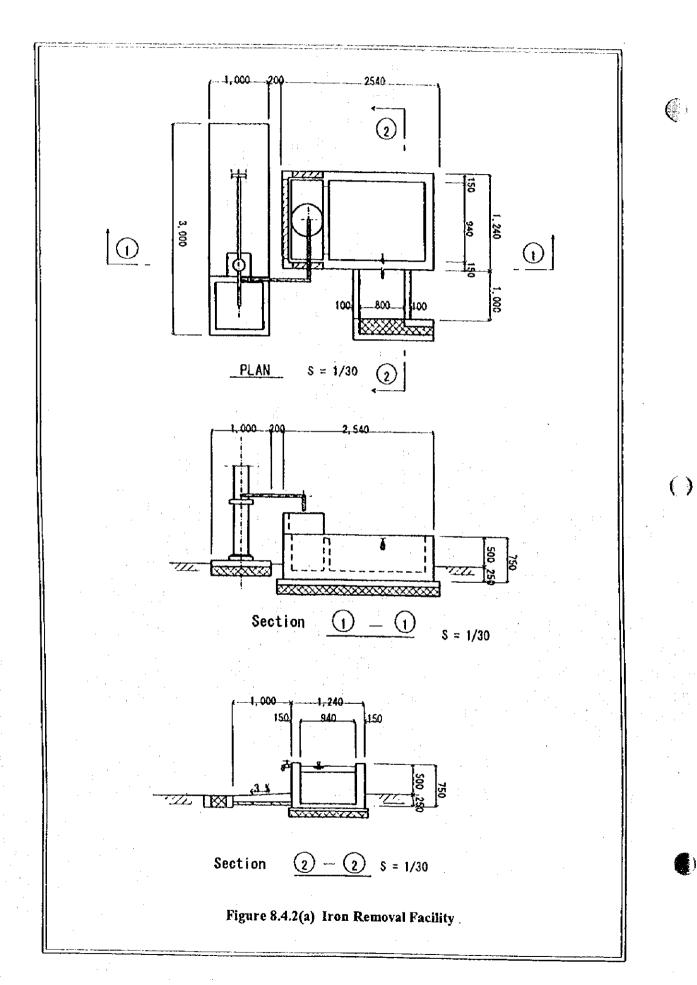
Table 8.4.1 Existing Condition and Future Requirements of Urban Water Supply by Municipality

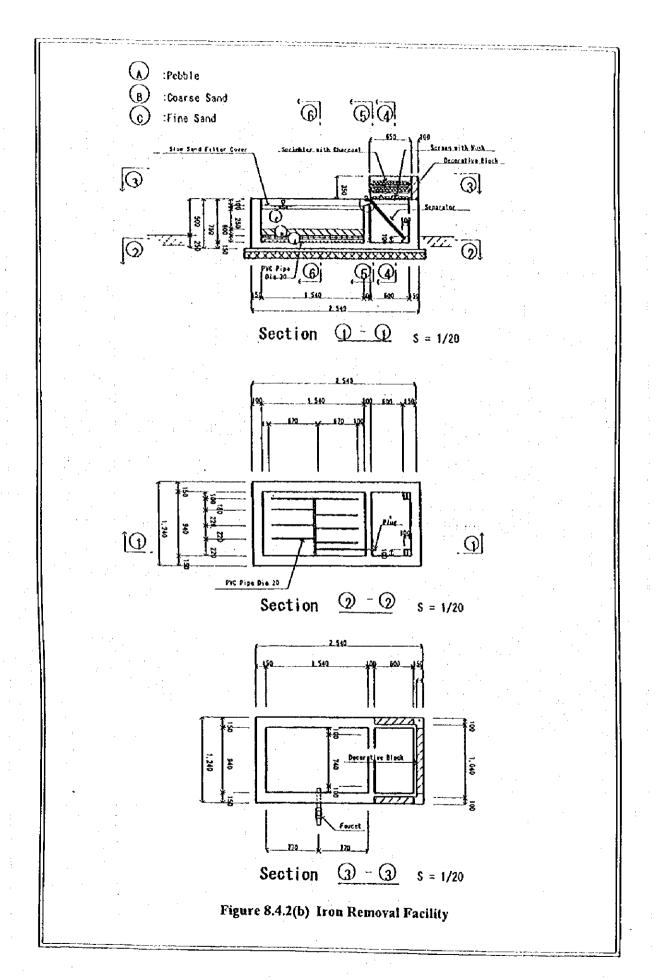
Name of Urban No. oi Municipality Population Level. (1998) and Anahawan 2,803 (Municipality Municipality Population (1998) and Borrat Population (1998) (Municipality Municipality isting L No. of Pop.									-						1							
ty Urban (1998) (1998) 2,805	et-III Pop.	<u> </u>	Existing Level 111 System and Others	Others		Level-II Water Sou	III burce	1		Pop. Sen	يم بو بشرود	Pop. Served by Level III and Others	Ę	Ī	. 4.9		Urban	1	Pop. Served by Level-111		Newty Geneloped/ Additional	Total Water
2,805	Operating Level-III	*	Pop. Total Pop. Total	Yetal Pop. Served	Total (%)	Type	oduction m3/d)	Population (2004)	Additional Pop. Served by L-111	Additional Total Pop. Pop. Served Served by by Lettl Levellii	*	Additional Pop. Served by Level-III	Total Pop. Served	*	Water Source (m3/d)	Source Required (m3/d)	Population (2016)	Additional Pop. Served	Total			Required (m3/d)
	-						38	1014	0£,5	6	Į.	Į.	3.208	/3/	8	န	2,738		_	05% 0	8	8
	-	,483: 53%	١	8,	%09 099;	7	1	006.7			ì	Ş	3.232	I.	 8	ĝ	3,696	1,749		3.56		Ş
-		1,068; 28%	7	2,538	238 9/%	ACM.		000		Ş	1.	2	1 791	١.	8	<u>8</u>	1,961		1,865	*50	š	ş
	-	78%	١	<u>5</u>			ang.	1,300	100		ı	, and	4650	86%	200	Š	\$09'\$	3,066	5,328	95%	8	§
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] -	-	283 27%		233	283 27%	1	3	27		ľ	L	-	CAC P	A10	200	900	4,643	L		A4.6	100	8
, par	<u>.</u>	3,400 08%		8	8	ı	ş		l		70.0	i i	30	1.	8	8	2,068	121	\$85	146	100	S
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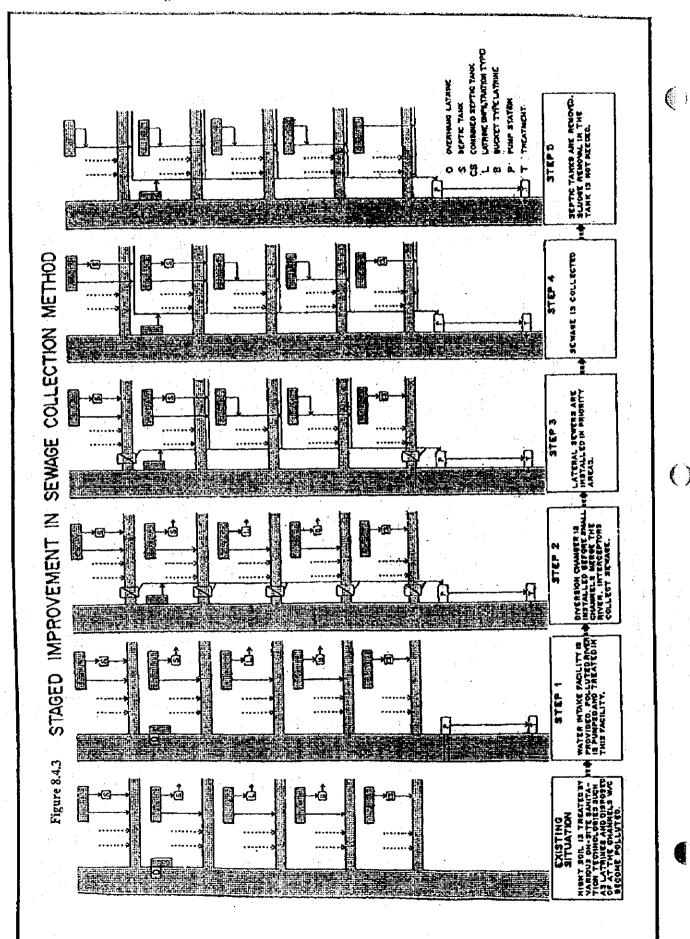
(Noes) WD; Werr District, Prov. Province, Mur. Municipality, Auc. Association Unit consumption: 100 bpd Additional population served in 2010 includes the served population that will be absorbed by Level III system.

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8.5 Service Coverage by Target Year

8.5.1 Water Supply

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(1) Population to be served by Level I facilities under ADB-assisted project

With regard to development of rural water supply by municipality, the ADB-assisted Rural Water Supply and Sanitation Sector Project (RW3SP) plays a major role in medium-term plan of PW4SP. To set up the target, additional population to be served under this project shall be subject to a due consideration.

Physical targets:

Physical targets for rural water supply are construction of shallow well (109 units), deep well (95 units) and developed spring (66 units) in the whole province. A total of 270 units were allocated by the province to the recipient municipalities as shown in Table 8.5.1.

Table 8.5.1 Proposed Number of Facility to be Constructed under ADB-Assisted RW3SP (1998-2001)

				. "	
Municipality	Class	Shallow Well	Deep Weil	Developed Spring	Total
Anahawan	5th	0	10	7	17
Bontoc	. 5th.	1	16	7	24
Hinunangan	4th	0	0	2	2
Hinundayan	4th	0	1	2	3
Libagon	5th	0	0	2	2
Liloan	5th	0	1	0	1
Limasawa	6th	21	2	1	24
Maasin	2nd	4	37	14	55
Macrohon	5th	6	4	7	17
Malitbog	5th	20	1	6	27
Padre Burgos	5th	: 30	8	5	43
Pintuyan	5th	0	0	3	3
Saint Bernard	5th	0	0	1	1
San Francisco	5th	0	1	1	2
San Juan	5th	1	0	0	1
San Ricardo	5th	0	0	0	Ò
Silago	5th	7	4	1	12
Sogod	4th	16	3	3	22
Tomas Oppus	5th	3	7	4	14
Provincial Total		109	95	66	270

Current status

Implementation of the project was originally scheduled to commence in 1997 with 5 years implementation period (1997-2001), however, the construction of the facilities has not yet started as of now due to delay of fund release. In addition, delivery of required materials has not completed for the 1st year allocation. Thus, the above physical targets

under the ADB-assisted project may be a major part of the requirements in the mediumterm plan (year 2000 - 2004).

Additional population to be served:

The additional population to be served under the ADB-assisted project is assumed at 24,300 persons based on the total number of physical targets (270 units) applying served population of 90 persons per one Level I facility (serving 6 persons/IIII x 15 HHs/unit).

(2) Population to be served by target year

Phase I

For urban area, the additional service coverage was estimated by Level III service. For rural area, the population to be served under the ADB-assisted project is the target of rural water supply. The additional service coverage by Level II system was not considered, since Level II systems with untapped springs were not included in the ADB-assisted project.

Phase II

For urban area, the population served by Level I and II facilities in the base year was considered to be absorbed by Level III service aside from the additional service coverage to be estimated by the sector target. For rural area, all existing facilities in Phase I were assumed to be utilized throughout the future.

Table 8.5.2 Population to be Served in Phase I (Water Supply)

Total Level III I 2,936 2,022 2,936 2,022 2,938 955 2,938 1,762 19,488 1,160 23,268 2,922 1,980 1,590 19,903 6,097 21,883 7,687 5,399 2,262 5,399 2,262 5,399 2,262 5,399 2,328 11,275 4,590 1,450 1,268 4,726 1,268 11,200 349 11,200 349 15,926 1,424 15,926 1,424 15,926 1,424 4,726 1,424 1,527 2,444 4,012 2,339 2,339 2,44	Level 1 T. 1,306 1,306 1,306 1,306 2,559 1 201 201 2,556 1 5,556 1 5,556 1 5,557 1 6,158 615 615 1,247	Lev	8 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2,321 2,321 2,321 2,321 7,402 7,860 201 5,139 5,139	Total 2,208 4,292 6,500 3,232 14,048 17,280 1,791 16,699 18,490	Additio Level III 539 539 632 692 692 364	Level [1	Additional Population to be Served 539 1.530 1.530 539 694 2.160 2.694 2.160 2.364 364 364 364 366 3	70cd Total 539 2.069 2.069 2.069 2.069 2.854 364 992
Cevel III Level I Level I Total Population Level III Level III Level III Level III Level III Level III Level III Level III Level III Level III Level III Level III Level III Level III Level III Level III Level II Level	Level 1 T. 1,306 1,306 1,306 2,590 1 6,048 1 201 201 5,556 1 5,556 1 5,556 1 6,15 6,15 6,15	Lev	Leve 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2,321 2,321 2,321 7,402 7,860 201 5,139 5,139	80000000000	539 539 539 694 694 364	Tevel II	1.530 1.530 2.160 2.160 1.80	10tal 539 1,530 2,069 2,160 2,160 2,160 1,854 3,64 5,44 992
Urban 1,483 186 1,669 2,936 Rural 955 1,016 1,306 3,277 2,938 Total 2,438 1,202 1,306 4,946 5,874 Urban 1,160 5,486 5,590 12,236 19,488 Total 2,228 6,498 6,048 14,774 23,268 Urban 1,226 201 1,427 1,980 Urban 1,226 5,556 17,116 19,903 Van Rural 6,097 5,463 5,556 17,116 19,903 Van Rural 2,328 3,990 6,318 5,876 Urban 1,270 1,782 615 9,985 11,275 Urban 1,075 40 2,844 3,959 4,726 Rural 1,247 7,638 8,815 Total 1,224 3,959 4,726 Rural 1,424 3,732 9,760 14,916 15,226 <th>1,306 1,306 1,306 458 5,590 1,048 1,556 1 5,757 1 615 615 1,247</th> <th></th> <th></th> <th>2,321 2,321 458 7,402 7,860 201 5,139 615</th> <th>2,208 4,292 6,500 3,232 14,048 17,280 1,791 16,699 18,490</th> <th>539 694 694 364 364</th> <th></th> <th>1.530 1.530 2.160 2.160 1.80</th> <th>539 1.530 2.069 2.160 2.160 2.160 1.854 3.64 5.44 992</th>	1,306 1,306 1,306 458 5,590 1,048 1,556 1 5,757 1 615 615 1,247			2,321 2,321 458 7,402 7,860 201 5,139 615	2,208 4,292 6,500 3,232 14,048 17,280 1,791 16,699 18,490	539 694 694 364 364		1.530 1.530 2.160 2.160 1.80	539 1.530 2.069 2.160 2.160 2.160 1.854 3.64 5.44 992
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Total 2,438 1,202 1,306 4,946 5,874 Urban 1,068 1,012 458 2,538 3,780 Total 2,228 6,498 6,048 14,774 23,268 Urban 1,226 2,463 5,556 17,116 19,903 Total 7,323 5,463 5,757 18,543 21,883 Urban 1,270 1,782 615 3,667 5,399 Urban 4,09 3,00 478 1,187 1,450 Urban 1,075 40 2,844 3,959 4,726 Urban 1,075 40 2,844 3,959 4,726 Urban 1,075 40 2,844 3,959 11,200 Rural 3,49 3,692 6,916 10,957 11,200 Total 1,424 3,732 9,760 14,916 15,926 Urban 1,075 40 2,844 3,959 4,726 Urban 1,075 40 2,844 3,959 1,220 Total 1,424 3,732 9,760 14,916 15,926 Urban 7,21 8,88 1,259 4,012	1,306 458 5,590 6,048 1 201 5,556 1 5,757 615 615 1,247			2,321 458 7,402 7,860 201 5,139 5,340 615	6,500 3,232 14,048 17,280 1,791 16,699 18,490	539		2.160	2.069 694 2.160 3.64 180 544 992
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Rural 1,160 5,486 5,590 12,236 19,488 Total 2,228 6,498 6,048 14,774 23,268 Urban 1,226 201 1,427 1,980 Votal 7,323 5,463 5,556 17,116 19,003 Vorban 1,270 1,782 615 3,667 5,399 Vorban 2,328 3,990 6,15 3,667 5,399 Vorban 409 300 478 1,187 1,450 Rural 859 5,532 1,247 7,638 8,815 Total 1,075 40 2,844 3,559 4,726 Urban 1,075 40 2,844 3,559 4,726 Total 1,424 3,732 9,760 14,916 15,926 Urban 721 898 1,619 5,339 4,012 Antal 721 898 1,619 5,339 4,012 Total <t< td=""><td>5,590 1 6,048 1 201 201 5,556 1 5,757 1 615 615</td><td></td><td></td><td>7,402 7,860 201 5,139 5,340 615</td><td>14,048 17,280 1,791 16,699 18,490</td><td>364</td><td></td><td>2.160</td><td>2.160 2.854 364 180 992</td></t<>	5,590 1 6,048 1 201 201 5,556 1 5,757 1 615 615			7,402 7,860 201 5,139 5,340 615	14,048 17,280 1,791 16,699 18,490	364		2.160	2.160 2.854 364 180 992
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gan Urban 1,226 201 1,427 1,980 Rural 6,097 5,463 5,556 17,116 19,903 Yan Total 7,323 5,463 5,757 18,543 21,883 Van Rural 2,328 3,990 6,318 5,396 Van Rural 3,598 5,772 615 9,985 11,275 Rural 859 5,372 615 9,985 11,275 Rural 859 5,532 1,247 7,638 8,815 Total 1,075 40 2,844 3,959 4,726 Rural 349 3,692 6,916 10,957 11,200 Total 1,424 3,732 9,760 14,916 15,926 Urban 721 898 1,619 5,339 Total 721 898 1,619 5,339	201 5,556 1 5,757 1 615 615 1,247			201 5,139 5,340 615	16,699	364		081	364 180 992
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yan Rural 2,328 3,990 6,318 5,876 Urban 3,598 5,772 615 9,985 11,275 Rural 8,59 3,00 478 1,187 1,450 Total 1,268 5,532 1,247 7,638 8,815 Total 1,075 40 2,844 3,959 4,726 Rural 3,49 3,692 6,916 10,957 11,200 Total 1,424 3,732 9,760 14,916 15,926 Urban 721 838 1,259 4,012 Total 721 898 1,619 5,339	615 478 1,247				4.659	665			0000
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Urban 409 300 478 1,187 1,450 Rural 8.59 5,532 1,247 7,638 8,815 Total 1,268 5,832 1,725 8,825 10,265 1 Urban 1,075 40 2,844 3,959 4,726 1 Total 1,424 3,732 6,916 10,957 11,200 Urban 721 860 14,916 15,926 1 Rural 721 838 1,259 4,012 Total 721 898 1,619 5,339	1,247		5,424	615	10,629	865		270	1,262
Rural 8.59 5.532 1,247 7,638 8,815 Total 1,268 5,832 1,725 8,825 10,265 1 Urban 1,075 40 2,844 3,959 4,726 1 Total 1,424 3,692 6,916 10,957 11,200 Total 1,424 3,732 9,760 14,916 15,926 1 Urban 721 538 1,259 4,012 Total 721 898 1,619 5,339	1,247			478	1,187				
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Urban 1,075 40 2,844 3,959 4,726 1 1,200	1,725		L	1,672	8,772			180	180
Rural 349 3,692 6,916 10,957 11,200 Total 1,424 3,732 9,760 14,916 15,926 1 Urban 272 721 538 1,259 4,012 Total 721 898 1,619 5,339	2,844		75 40	2,844	3,959				
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Urban 360 360 1,327 Rural 721 538 1,259 4,012 Total 721 898 1,619 5,339	9,760	1	3,732	8,973	14,129			90	06
Rural 721 538 1,259 4,012 Total 721 898 1,619 5,339	360		77	360	604	244			뙲
Total 721 898 1.619 5.339	538	4,012	721	2,763	3,484			2.160	2,160
		5,339 24	14 721	3,123	4,088	274		2,160	2.404
7 10.815 4.948 8.488 24	8.488 24		87 4,948	8,488	32,023	7,772			7.77
5.210 12.763	2.223		12,231		17,441		-	4.950	4.950
Total 16.025 17.711 10.711 44,447	10,711		9717,179	8,488	49,464	7.772		4.950	12,722
2,115				3.369	5.484				-
797 7.101 2.568 10,466	2,568		7,101	3.957	. 11,855			1.530	1.530
Total 2.912 7.101 5.937	5.937		7,101	7,326	17,339			1.530	1,530

Table 8.5.2 Population to be Served in Phase I (Water Supply) (Cont'd)

Propulation Scrept in the past 1.00 Level III				,	in the Base	Vanr				Phase I	Phase I Coverage (2004)	2004)		٠	
Level III Leve			Populat	non Served	in the Dask	<u>.</u>									,
U-bear 1,240 8.55 2,129 8.451 16.365 1.913 8.552 7.512 1.256 6.73 1.626	Name of	Area		-			Total		Service C	overage		Additio	nal Popul	tion to be	erved
Urban 1,240 889 2,129 3,665 1,913 3,352 7,912 1,264 Rural 1,240 3,352 5,139 8,491 16,560 1,913 3,352 7,912 1,264 Urban 2,065 1,226 1,820 4,229 4,792 1,123 1,226 5,800 1,0214 Total 1,172 1,226 2,182 6,296 4,792 1,123 1,226 5,800 1,0214 Total 1,172 2,127 3,50 6,296 7,472 8,99 2,127 318 3,334 Total 1,172 2,127 3,50 6,296 7,472 8,891 1,226 5,800 1,0214 Total 1,172 2,127 3,50 6,596 7,472 8,99 2,127 318 3,334 Urban 3,400 2,350 7,181 1,507 1,7413 4,976 2,350 6,694 13,257 Total 1,844 3,049 675 3,616 6,418 3,049 1,716 3,800 6,994 13,257 Total 1,844 3,049 675 3,616 6,418 3,049 1,716 3,800 1,244 Urban 1,844 3,049 757 3,516 6,418 3,049 1,716 3,439 Urban 1,844 3,049 757 3,516 6,418 3,049 1,716 2,414 Urban 1,844 3,049 2,577 8,540 1,716 3,800 6,994 1,4,020 Urban 1,120 3,991 109 5,720 1,273 3,049 2,574 2,574 Urban 1,120 3,991 109 5,720 1,273 3,049 3,049 1,716 Urban 1,200 2,844 845 7,076 7,258 3,390 2,841 3,878 8,109 Rural 3,390 2,844 845 7,076 7,258 3,390 2,841 3,878 8,109 Rural 3,390 2,844 845 7,076 7,258 3,390 2,841 3,878 8,109 Rural 3,390 2,844 845 7,076 7,258 3,390 2,841 3,878 8,109 Rural 3,390 2,844 845 7,076 3,390 2,841 3,878 8,109 Rural 3,390 3,915 3,91	Municipality		Level III	Level II	Level 1			Level III	Level II	Level I	Total	Level III	Level II	Level I	Total
Rural 1,240 3,352 5,139 8,491 16,260 3,352 7,912 1,264 3,352 5,139 8,491 16,260 1,913 3,352 8,91 1,066 Total 1,240 3,352 6,028 10,620 2,002 1,013 3,352 8,901 14,066 Rural 1,120 1,226 3,352 6,028 10,620 1,012 3,02			0,0		088	2 129	3.665	1,913		1688	2,802	673			673
Name		Trban	7,240	2 250	25,0	8 401	16 360		3,352	7.912	11,264			2,430	2.430
Urban 2,055 3.05		cural Professional	1 240	1255	6028	10,620	20.025	1,913	3,352	8,801	14,066	673		2,430	3,103
Number 1,122 1,226 2,182 4,792 1,123 1,226 5,498 7,847 Total 3,188 1,226 2,182 6,556 7,813 3,188 1,226 5,300 10,214 Urban 283 2,127 3,5016 7,472 889 2,127 318 3,334 Total 1,172 2,127 3,299 8,601 1,379 2,127 318 3,334 Urban 3,400 4,559 4,597 2,230 6,684 14,020 Urban 3,400 2,350 7,181 14,507 1,917 3,230 6,684 14,020 Urban 3,400 2,350 7,181 14,507 1,917 3,230 6,684 14,020 Urban 1,844 3,049 567 3,516 6,418 3,049 4,399 3,516 5,414 Urban 4,214 3,049 567 3,572 3,804 3,049 3,049 3,418 Urban 4,214 3,049 567 3,572 3,800 6,98 4,399 2,574 7,671 Urban 4,214 3,290 109 5,272 3,804 3,049 3,516 2,414 Urban 4,214 3,291 109 5,270 5,398 1,735 3,698 Urban 4,214 3,291 109 5,200 1,200 3,699 Urban 4,214 3,242 3,991 109 5,200 5,300 1,200 Urban 4,214 3,242 3,991 109 5,200 1,200 3,991 Urban 5,284 3,792 845 7,706 1,280 3,991 3,991 Urban 5,284 3,792 879 1,425 18,896 3,594 3,915 3,915 Urban 5,284 3,792 879 1,425 18,896 3,594 3,915 3,915 Urban 5,284 3,792 879 1,425 18,896 3,594 3,915 3,915 Urban 5,584 3,792 879 1,425 18,896 3,949 3,915 1,502 Urban 5,584 3,792 879 1,425 18,896 3,949 3,915 1,502 Urban 3,598 3,917 3,915 3,915 3,915 3,915 3,915 Urban 3,598 3,917 3,915 3,915 3,915 3,915 3,915 3,915 Urban 3,598 3,917 3,915		lehon Ishon	2,000		302	2,367	3,021	2,065		302	2,367				666
Cotal 3.188 1.226 2.182 6.596 7.813 3.188 1.226 5.800 10.214 Cotal 2.83 2.127 3.201 2.472 2.890 2.127 3.18 3.824 Cotal 1.172 2.127 3.201 7.472 8.500 2.127 3.18 3.824 Cotal 1.172 2.127 3.201 3.400 4.559 4.237 2.127 3.18 3.824 Cotal 2.350 7.181 14.507 17.413 4.976 2.350 6.694 14.020 Cotal 1.844 3.049 5.71 1.202 1.844 3.049 4.237 Cotal 1.844 3.049 5.71 1.202 1.844 3.049 4.359 Cotal 1.844 3.049 5.72 8.640 1.844 3.049 3.453 Cotal 1.844 3.049 5.72 8.640 1.844 3.049 3.453 Cotal 1.844 3.049 5.72 8.640 1.844 3.049 3.510 Cotal 1.844 3.049 5.72 8.640 1.844 3.049 3.510 Cotal 1.844 3.049 5.70 5.72 8.640 1.844 3.049 3.510 Cotal 1.844 3.049 5.70 5.72 8.640 1.844 3.049 3.510 Cotal 1.844 3.049 5.70 5.72 8.640 1.844 3.049 3.510 Cotal 1.844 3.049 5.70 5.70 1.20 3.50 Cotal 1.844 3.049 2.601 1.70 3.80 6.694 1.716 2.414 Cotal 1.120 3.991 1.09 5.204 5.908 1.720 3.069 4.804 Cotal 1.607 3.991 1.09 5.200 5.303 1.120 3.069 4.804 Cotal 1.507 3.91 3.91 3.91 3.91 3.91 3.91 3.91 Cotal 1.516 3.91 3.91 3.91 3.91 3.91 3.91 3.91 Cotal 1.516 3.91 3.92 3.91 3.91 3.91 3.91 3.91 Cotal 1.516 3.91 3.92 3.91 3.9			1 173	1 226	1.880	4,229	4,792	1,123	1,226	5.498	7.847			0/8.5	2/2/
Urban 1,172 2,127 3,006 7,472 889 2,127 318 3,334 Total 1,172 2,127 3,229 4,237 2,127 318 3,334 Total 1,172 2,135 7,181 14,507 17,413 4,976 2,350 6,694 14,020 Total 8,376 2,350 7,181 14,507 17,413 4,976 2,350 6,694 14,020 Total 8,376 2,350 7,181 14,507 17,413 4,976 2,350 6,694 14,020 Urban 1,844 3,049 677 5,572 1,844 3,049 4,439 Urban 1,844 3,049 677 5,572 8,640 1,844 3,049 4,189 Urban 1,120 3,991 109 5,220 5,130 1,120 3,069 4,189 Urban 4,399 2,601 1,007 5,993 1,120 3,069 4,189 Urban 4,399 2,601 1,007 5,993 1,120 3,069 4,189 Urban 2,834 3,792 883 2,707 5,983 1,230 2,841 1,878 8,109 Urban 5,83 1,23 1,078 5,117 3,230 2,841 1,878 8,109 Urban 5,834 3,792 887 1,425 1,832 3,390 2,841 1,878 8,109 Urban 5,83 1,23 8,103 8,103 3,104 3,225 3,107 3,104 3,225 1,078 3,104 3,225 1,078 3,104 3,225 1,078 3,104 3,225 1,078 3,104 3,225 1,078 3,104			3,188	1 226	2 182	6,596	7.813	3,188	1,226	5.800	10.214		:	3.870	5.870
Cabalian Rural 889 2,127 3,016 7,472 889 2,127 318 3,324 Total 1,172 2,127 3,299 8,601 1,379 2,127 318 3,824 Total 1,172 2,127 3,400 4,559 8,601 1,379 2,127 318 3,824 Total 1,172 2,135 7,181 14,507 2,1972 9,213 2,350 6,694 14,020 Rural 1,844 3,049 567 3,616 6,418 3,049 4,399 404 3,453 Cabalian Rural 1,844 3,049 567 3,616 6,418 3,049 4,399 4,418 Cabalian Rural 1,120 3,991 109 5,722 1,844 3,049 2,574 7,671 Total 1,120 3,991 109 5,224 7,278 6,98 4,399 2,574 7,671 Total 1,120 3,991 109 5,220 5,303 1,120 3,069 4,399 Rural 3,390 2,841 845 7,076 7,588 3,390 2,841 1,878 8,109 Rural 3,390 2,841 845 7,076 7,588 3,390 2,841 1,878 1,507 Total 1,167 3,912 1,678 3,117 3,423 3,117 3,423 3,117 3,423 3,117 Total 1,167 3,912 1,678 3,117 3,120 3,915 6,977 1,120 Total 1,167 3,912 3,100 1,202 1,735 3,117 3,117 3,117 Total 1,167 3,913 1,507 1,538 3,117 3,120 1,507 Total 1,167 3,913 1,507 1,538 1,507 1,120 1,207 Total 1,167 3,913 1,507 1,538 3,117 1,120 1,350 1,631 Total 1,167 3,913 1,926 1,507 1,320 3,915 6,977 1,1201 Total 1,167 3,913 1,906 1,008 1,008 1,008 1,107 1,109 Total 1,167 3,913 1,906 1,008 1,008 1,107 1,109 Total 1,106 3,914 1,106 1,107 1,107 1,107 Rural 7,71 8,516 3,972 4,107 1,107 1,107 Total 1,107 8,108 1,507 1,007 1,007 1,107 1,107 Total 1,107 1,107 1,107 1,107 1,107 1,107 Total 1,107 1,107 1,107 1,107 1,107 1,107 1,107 Total 1,106 3,917 4,105 1,107 1		[B]	284			283	1,129	490			490	207			707
Total 1,172 2,127 3,400 4,559 4,237 2,127 3,824 4,237 4,23		O TOTAL	088			3.016	7,472	888	2,127	318	3,334			270	270
Urban 3,402 4,559 4,237 4,237 4,237 Rural 4,976 2,350 7,181 14,607 17,413 4,976 2,350 6,694 14,020 Total 8,376 2,350 7,181 17,907 2,1972 3,230 6,694 14,020 Urban 1,844 3,049 567 3,616 6,418 3,049 406 3,439 Urban 1,844 3,049 567 3,616 6,418 3,049 406 3,439 Urban 487 679 2,601 7,000 11,078 698 4,399 2,574 7,611 Urban 487 2,601 7,000 11,078 698 4,399 2,574 7,611 Rural 1,120 3,991 109 5,204 2,236 3,599 1,677 3,598 4,399 2,574 7,611 Rural 3,591 109 5,204 2,236 3,390 2,641 2,538 <th< td=""><td></td><td>Kurai</td><td>1 1 72</td><td></td><td></td><td>3 299</td><td>8.601</td><td>1,379</td><td>2,127</td><td>318</td><td>3,824</td><td>207</td><td></td><td>270</td><td>477</td></th<>		Kurai	1 1 72			3 299	8.601	1,379	2,127	318	3,824	207		270	477
Urban 3,740 2,350 7,181 14,507 17,413 4,976 2,350 6,694 18,257 Total 8,376 2,350 7,181 17,907 2,1972 9,213 2,350 6,694 18,257 Rural 8,376 2,350 7,181 17,907 2,1972 9,213 2,350 6,694 18,257 Rural 1,844 3,049 567 3,616 6,418 3,049 404 3,453 Foral 1,844 3,049 679 5,572 8,640 1,844 3,049 404 3,459 Poral 4,399 2,601 1,716 3,800 698 4,399 2,574 Urban 824 383 2,041 2,280 6,89 4,399 2,574 4,399 Lotal 1,120 3,991 109 5,220 5,393 1,716 3,593 1,716 3,593 1,716 3,593 1,716 3,593 1,716 3,593 3,506		ig :	2,1,1	2006		3 400	4.559	4237			4,237	837			837
Rural #.576 7.180 17.907 21.972 9.213 2.350 6.694 18.257 Urban 1.844 3.049 7.181 17.906 2.222 1.844 3.049 404 3.453 Rural 1.844 3.049 567 3.616 6.418 3.049 404 3.453 Total 1.844 3.049 5.772 8.640 1.844 3.049 2.61 Urban 4.399 2.601 7.000 11.078 698 4.399 2.574 7.611 Rural 1.120 3.991 1.00 5.200 1.120 3.069 4.189 Rural 1.120 3.991 1.09 5.200 5.308 1.735 3.069 4.389 Rural 3.390 2.641 2.280 8.24 3.390 2.541 1.878 8.109 Rural 3.390 2.841 3.205 2.841 1.878 8.104 Rural 3.523 3.705		oroan.	74.0	035.0	7 181	14 507	17413	4.976	2,350	6,694	14,020			ደ	8
Total 8.37b 7.23b 7.22b 2.222 1.844 112 1,956 2.222 1.844 112 1,956 2.222 1.844 3,049 404 3,453 Rural 1,944 3,049 404 3,453 Rural 1,244 3,049 404 3,453 2,414 2,418 <td></td> <td>Kura</td> <td>0/2/</td> <td>25.5</td> <td>1010</td> <td>17.007</td> <td>21 072</td> <td>9213</td> <td>2.350</td> <td>6.694</td> <td>18,257</td> <td>.837</td> <td></td> <td>8</td> <td>927</td>		Kura	0/2/	25.5	1010	17.007	21 072	9213	2.350	6.694	18,257	.837		8	927
Rural 1,944 3,049 567 3,616 6,418 3,049 404 3,453 Rural 1,944 3,049 567 3,616 6,418 3,049 517 5,409 516 5,409 Total 1,844 3,049 679 5,572 8,640 1,844 3,049 516 5,409 Urban 487 2,041 7,000 11,078 698 4,399 2,574 7,671 Rural 1,120 3,991 109 5,220 5,305 1,120 3,594 109 5,280 1,120 3,669 4,389 2,574 7,671 Rural 1,120 3,991 109 5,707 5,998 1,725 3,069 4,384 4,384 Total 3,590 2,841 3,795 3,225 2,711 10,150 Rural 3,593 12,27 3,390 2,841 3,792 6,971 1,662 Rural 3,583 1,275 3,390 </td <td></td> <td>leiol</td> <td>8.376</td> <td>7,320</td> <td>1011/</td> <td>1986</td> <td>2 222</td> <td>1844</td> <td></td> <td>112</td> <td>1,956</td> <td></td> <td>-</td> <td>:</td> <td></td>		leiol	8.376	7,320	1011/	1986	2 222	1844		112	1,956		-	:	
Rural 1,844 3,049 567 5,910 0,510 1,844 3,049 510 5,910 698 1,716 2,414 Urban 4,399 885 5,284 7,278 698 4,399 2,501 Total 1,120 3,600 698 4,399 2,601 7,000 11,078 698 4,399 2,521 Total 1,120 3,991 109 5,220 5,303 1,120 3,069 4,189 Rural 1,607 3,991 109 5,707 5,998 1,735 3,069 4,804 Urban 824 384 833 2,041 2,280 824 339 2,641 Urban 8,584 833 2,041 2,280 824 339 2,641 1,878 8,109 Urban 5,584 3,792 879 14,255 18,896 9,584 3,792 697 14,073 Rural 5,584 3,792 8,168		Cross	7,844	1	3	25.5.1	017		3.049	404	3 453			180	180
Total 1,844 3,049 6/9 3,049 1,716 2,414 Urban 4,399 2,601 7,716 1,716 1,716 1,716 2,414 Rural 4,399 2,601 7,000 11,078 698 4,399 2,527 7,671 Total 1,120 3,991 109 5,220 5,393 1,120 3,069 4,389 Total 1,607 3,991 109 5,707 5,998 1,735 3,069 4,384 Wural 3,390 2,841 845 7,076 7,558 3,390 2,841 1,878 8,109 Wural 4,214 3,225 1,678 9,117 9,838 4,214 3,225 2,711 10,150 Urban 5,583 1,23 2,706 11,832 7,766 12,37 8,109 Rural 9,584 3,792 879 14,073 8,109 1,050 1,050 Urban 771 8,108		Rural		3,049	267	010,5	0.4.0	1 844	1049	516	5.409			08:	180
Urban 4,399 1,716 1,716 1,716 1,716 1,716 1,716 1,716 1,716 1,716 1,716 1,716 1,716 2,501 7,278 4,399 2,574 7,671 Total 1,120 3,991 109 5,220 5,393 1,120 3,069 4,189 Rural 1,120 3,991 109 5,220 5,393 1,120 3,069 4,189 Total 1,607 3,991 109 5,220 5,393 1,120 3,069 4,189 Wurban 824 384 833 2,041 2,280 3,264 3,269 2,841 8,109 Rural 4,214 3,225 1,678 9,117 9,838 4,214 3,225 2,711 10,150 Rural 5,583 123 2,676 11,882 7,766 123 2,712 2,962 Total 15,167 9,917 9,961 14,255 18,896 9,584 3,792		Total	1,844		8/0	4,00	2000	809		1.716	2414	869			869
Rural 4.399 2,601 7,000 11,078 698 4,399 2,574 7,671 Total 1,120 3,991 1,000 11,078 698 4,399 2,574 7,671 Rural 1,120 3,991 109 5,220 5,303 1,120 3,069 4,189 Total 1,607 3,991 109 5,707 5,998 1,735 3,069 4,804 Total 3,390 2,841 845 7,076 7,558 3,390 2,841 8,109 Rural 3,290 2,841 845 7,076 7,558 3,390 2,841 8,109 Rural 4,214 3,225 1,678 9,117 9,838 4,214 3,792 8,109 Rural 5,583 1,272 18,896 9,584 3,792 8,108 1,502 Hurban 771 3,42 3,915 8,108 1,502 1,325 1,325 1,4073 Rural <th< td=""><td></td><td>Urban</td><td></td><td></td><td>1,716</td><td>01/1</td><td>3,500</td><td>030</td><td></td><td>858</td><td>5257</td><td></td><td></td><td>8</td><td>06</td></th<>		Urban			1,716	01/1	3,500	030		858	5257			8	06
Cardo Rural 1,120 3,991 4,600 1,120 3,069 4,189 Cardo Rural 1,120 3,991 109 5,707 5,998 1,120 3,069 4,189 Total 1,607 3,991 109 5,707 5,998 1,735 3,069 4,804 Total 824 384 833 2,041 2,280 824 384 810 Rural 3,390 2,841 845 7,076 7,558 3,390 2,841 1,607 Total 4,214 3,225 1,678 9,117 9,838 4,214 3,225 2,711 10,150 Urban 5,583 1,23 14,255 18,896 9,584 3,792 879 1,502 1,932 3,915 8,168 8,168 9,670 1,202 771 3,407 1,502 1,202 3,915 8,168 9,670 1,202 3,117 2,103 3,117 2,103 1,302 3,117 <		Rural		4 399		1 200	37011	809	4 399	2.574	7.671	369		8	788
Curban 487 487 487 487 487 487 487 487 487 4884 </td <td></td> <td>Total</td> <td></td> <td>4,399</td> <td>7,81</td> <td>200,</td> <td>207</td> <td>615</td> <td></td> <td></td> <td>615</td> <td>128</td> <td></td> <td></td> <td>128</td>		Total		4,399	7,81	200,	207	615			615	128			128
cardo Rural 1,120 3,991 109 5,220 5,305 1,120 3,991 109 5,707 5,998 1,735 3,069 4,804 Total 1,607 3,991 109 5,707 5,998 1,735 3,069 4,804 Urban 824 3,841 845 7,076 7,558 3,390 2,841 1,878 8,109 Total 4,214 3,225 1,678 9,117 9,838 4,214 3,225 2,711 10,150 Urban 5,583 123 879 14,255 18,896 9,584 3,792 697 21,962 Total 15,167 3,915 879 1,502 1,932 771 342 389 1,502 Wincial 771 8,168 8,168 9,670 12,021 771 8,169 9,177 21,054 81,460 1 Coppus Rural 35,538 9,177 21,054 66,129 105,572 <		Urban	487			/\$4	260	120	090 6		4.180				
Total 1,607 3,991 109 5,707 5,593 1,752 5,009 2,001 Urban 824 384 833 2,0041 2,280 824 384 833 2,0041 Total 4,214 3,225 1,678 5,117 9,838 4,214 3,225 2,711 10,150 Urban 5,583 123 8,792 8,79 14,255 18,896 9,584 3,792 697 14,073 Urban 771 342 389 1,502 1,932 771 342 389 1,502 Urban 771 342 389 1,502 1,035 771 8,108 9,670 12,021 Urban 771 8,10 389 9,670 12,021 771 8,510 1,350 10,631 Urban 771 8,10 389 9,670 12,021 771 8,510 1,350 1,350 Urban 35,538 9,17 21,054 66,129 105,792 51,289 9,117 21,054 1,322 Urban 35,538 9,17 21,054 66,129 105,792 38,337 79,257 54,125 172,219 Urban 35,837 81,059 43,429 163,325 207,357 88,337 79,257 75,179 253,679 1		Rurai	1,120		20	5,220	5,505	72.5	2000		4 804	128			128
Urban 824 384 833 2,041 2,280 624 304 2,517 2,280 624 3,390 2,841 845 7,076 7,558 3,390 2,841 1,878 8,109 Total 4,214 3,225 1,678 9,117 9,838 4,214 3,225 2,711 10,150 Urban 5,583 123 879 14,255 18,896 9,584 3,792 697 21,962 Total 15,167 3,915 879 15,961 30,778 17,350 3,915 697 21,962 Rural 771 342 389 1,502 1,932 771 3,423 389 1,670 12,021 13,23 13,23 13,23 13,23 13,23 13,22 2,129 8,129 13,22 13,912 8,162 13,62 13,62 13,62 13,62 13,62 13,62 13,62 13,62 13,62 13,62 13,62 13,62 13,62 13,62	-	Total	1,607		109	5,707	5,398	66,	200,5	823	2041				
Number 3,390 2,841 845 7,076 7,558 5,390 2,841 1,076 0,105 Total		Urban	824		833	2,041	2,280	478		200	0010			080	080
Total 4,214 3,225 1,678 9,117 9,838 4,214 5,422 2,714 19,129 Urban 5,583 123 879 14,255 18,896 9,584 3,792 697 14,073 Total 15,167 3,915 879 19,961 30,778 17,350 3,915 697 21,962 Urban 771 342 389 1,502 1,932 771 342 389 1,502 Urban 771 8,168 8,168 9,670 12,021 771 8,510 10,631 Urban 771 8,510 389 9,670 12,021 771 8,510 10,631 Urban 35,538 9,17 21,054 66,129 105,792 51,289 9,117 21,054 81,460 1,501 Total 74,795 90,176 64,483 229,454 313,149 90,126 88,374 75,179 253,679 1		Rural	3,390	2,	845	7,076	7,558	36.5	1	0/0,1	10.160			080	1 080
Oppus Rural Total 5,583 123 5,706 11,882 7,766 123 7,852 7,792 697 14,073 7,852 7,792 697 14,073 7,852 7,792 697 14,073 7,852 7,71 342 3,915 697 21,962 771 342 3,89 1,502 771 342 389 1,502 771 3,129 697 21,962 697 21,962 771 3,129 697 21,962 771 3,129 3,139 3,139 3,139 3,139 3,139 3,139 3,139 3,139 3,139 3,139 3,139 3,139 3,139 3,139		Total	4,214	3,	1.678	9,117	9,838	4.2.4	Ì	7,7,1	10,130	10.00			2 183
Rural 9,584 3,792 879 14,255 18,896 9,584 3,792 697 14,073 Total 15,167 3,915 879 19,961 30,778 17,350 3,915 697 21,962 Oppus Rural 771 342 389 1,502 771 3,42 389 1,502 Total 771 8,516 3,168 9,670 12,021 771 8,168 961 9,129 Urban 35,958 9,117 21,054 66,129 105,792 51,289 9,117 21,054 81,460 1 Vinctal 38,837 81,059 43,429 163,325 207,357 38,337 79,257 54,125 172,219 Total 74,795 90,176 64,483 229,454 313,149 90,126 88,374 75,179 253,679 1		Jrhan .	5.583			5,706	11.882	7,766	١		7,889	2,100		030	1000
Oppus Rural Total 771 342 389 1,502 1,932 771 342 389 1,502 Oppus Rural Total 771 342 389 1,502 1,932 771 342 389 1,502 Oppus Rural Total 771 8,168 9,670 12,021 771 8,168 961 9,129 Vinctal Total 35,958 9,117 21,054 66,129 105,792 51,289 9,117 21,054 81,460 1 Vinctal Total 38,837 81,059 43,429 163,325 207,357 38,374 75,179 253,679 1 Total 74,795 90,176 64,483 229,454 313,149 90,126 88,374 75,179 253,679 1			7850	3	879	14.255	18,896	9,584		697	14,073			088.	7,700
Urban 771 342 389 1,502 1,932 771 342 389 1,502 1,932 1,502 1,932 1,502 1,932 1,502 1,035 1,035 1,202 1,202 1,202 1,202 1,202 1,350 1,350 1,350 1,031		E L	15.167		870	19.961	30,778	17,350		269	21,962	2,183		086.1	4,165
Rural 771 8,168 9,670 12,021 771 8,510 10,631 1350 10,631 10,6		וסומו	122	יוג	380	1 502	1.932	171	342	389	1.502	. :			
Total 771 8,510 389 9,670 12,021 771 8,510 1,350 10,631 Total 771 8,510 21,054 66,129 105,792 51,289 9,117 21,054 81,460 Total Rural 38,837 81,059 43,429 163,325 207,357 38,837 79,257 54,125 172,219 Total 74,795 90,176 64,483 229,454 313,149 90,126 88,374 75,179 253,679		Croan	•	071.0		891.8	10 089		8,168	196	9,129			1,260	1.260
Total 771 8,310 368 3,070 1,0		Kural			00,	0,70	1.00.01	771	8.510	1.350	10,631			1,260	1,260
Urban 35,958 9,117 21,034 90,129 103,725 31,237 33,337 79,257 54,125 172,219 Rural 38,837 81,059 43,429 163,325 207,357 38,337 79,257 54,125 172,219 Total 74,795 90,176 64,483 229,454 313,149 90,126 88,374 75,179 253,679		Total	1//	δ,	707	0000	1000 301	08615		21054	81.460	15.331			15,331
Rumi 38.837 81,059 43,429 163,325 20,337 53,337 75,179 253,679		Urban	35,958	2,	41,034	00,129	27.5.00	2000		54 125	177 219			24,300	24,300
Total 74,795 90,176 64,483 229,454 313,149 90,129 66,271 (2),171	Provincial Total	Rumal	38.837	31.0	43,429	(7,0)	155.102	70,00	1	75 170	253,670	15.331		24,300	39.631
	-	Total	74,795	90,	64,483	229,454	313,149	99,120	Į	73,17	6.70,000				

Table 8.5.3 Population to be Served in Phase II (Water Supply)

		Po	Population S	Served in 2004	20				Phase II	Phase II Coverage (2010)	(2010)			
Name of	Area					Total		Service Coverage	overage		Additic	nal Popul:	Additional Population to be Served	erved
Municipatity		Level III	Level II	Level	Total	Population	Level III	Level II	Level !	Total	Level III	Level II	Level I	Total
	Urban	2.022	186		2,208	2,738	2,601			2,601	625			579
Anabawan	Rura	955	-	2,321	4,292	2,740	556	1,016	2:321	4,292			-	
	Total	2,977	1,202	2,321	6,500		3,556	1,016	2,321	6.893	579			879
	Urban	1,762	1,012	458	3,232	3,696	3,511			3,511	1.749			1.749
Bontoc	Rural	1,160		7,402	14,048	19,056	1,160	5,486	11,076	17,722	:		3,674	3.674
	Total	2,922		7,860	17,280	22,752	4,671	5,486	11,076	21,233	1,749		3.674	5,423
	Urban	1,590		201	1,791	1,963	1,865			1,865	275		-	275
Hinunangan	Rural	6,097	5,463	5,139	16,699	19,730	6,097	5,463	6,789	18,349		:	1.650	1.650
)	Total	7.887		5,340	18,490	21,693		5,463	6,789	20.214	275		1,650	: 925
	Urban	2,262	1,782	615	4,659	809'5	5,328		1	5.328	3,066		-	3.066
Hinundayan	Rural	2,328			5,970	6,103		3,642		5,970				
	Total	4,590		615	10,629	11,711	7,656	3,642	•,	11,298	3,066			3.066
	Urban	607	300	478	1,187	1,404	1,334			1.334	925		:	925
Libagon	Rural	859	5,532	1,194	7,585	8,536	658	5,532	1,547	7,938	,		353	353
) -	Total	1,268		1,672	8 772	9,940	2 193	5,532	1,547	9.272	925		. 353	1.278
	Crban	1.075	ŀ	2,844	3,959	4,483	4,259			4,259	3,184			3.184
Liloan	Rural	349	_	6,129	10,170		349	3,692	6,129	10,170				
	Total	1,424	3,732	8,973	14,129	15,107		3,692	6,129	14,429	3.18			3.184
	Urban	244		360	604	1,395	1,325			1,325	1,081			1.081
Limasawa	Rum		721	2,763	3,484	4,217			3,201	3,922			438	43S
	Total	244	721	3,123	4,088	5,612		721	3,201	5,247	1,081		438	1.5:9
	Urban	18,587	4,948	8,488	32,023	41,883	:			39,789	21 202			21.202
Maasin (Capital)	Rura	5,210	12,231		17,441	20,270	5,210		1,410	18,851			1.410	1.410
	Total	23,797	$\lfloor \rfloor$	8,488	49,464	62,153		12,231	1,410	58,640	21,202		1.410	22,612
	Urban	2,115	L	3,369	5,484	6,625	6,294			6.294	4.179			4,179
Macrobon	Rura	797	7 101	3,957	11,855	12,926	Ä	7,101	4,123	12.021	ļ		1991	166
	Total	2,912	7,101	7.326	17,339	:	7,091	7.101	4,123]	18.315	4,179		1991	4,345

Table 8.5.3 Population to be Served in Phase II (Water Supply) (Cont'd)

			P.	Population Served in 2004	rved in 200	4				Phase III	Phase II Coverage (2010)	(2010)			
Heart Level Level Level Total Protal Level Total Level Total Level Total Level Total Level Total Salas Sal	Name of	1	; 				-		Service	overage		Additic	anal Popul	ation to be	erved
Urban 1,913 3,529 7,912 1,2718 1,3718 1,300 3,718 1,300 4,583 Runal 1,001 3,322 7,912 11,247 1,247 3,352 1,2695 1,805 <td< td=""><td>Municipality</td><td>Area</td><td></td><td>Level II</td><td>Level 1</td><td></td><td></td><td>Level III</td><td>Level II</td><td>Level I</td><td>Total</td><td>Level III</td><td>Level II</td><td>Level 1</td><td>Total</td></td<>	Municipality	Area		Level II	Level 1			Level III	Level II	Level I	Total	Level III	Level II	Level 1	Total
Purple 1,913 33.52 7,912 1,2544 1,247 2,717 2,725 1,2555						1000	710	2718			3.718	1.805			1,805
Four 1.913 3.322 7.914 14.656 1.184- 3.718 3.552 1.9559 1.9565 1.805 4.953 1.805 1.805 4.953 1.805 1.805 1.805 4.905 1.8		Urban	1,913		886	709.7	17.470	21/2	3 352	12.895	16247			4,983	4,983
Urban 2,065 3,424 3,525 3,527 3,52		Rural		3,352	7,912	707/11	21,3%4	3.718	3,352	12,895	19,965	1,805		4,983	6.788
Urban 2,105 5,206 7,827 7,827 1,125 1,120 5,498 7,847 6,498 7,847 6,498 7,847 6,498 7,847 6,498 7,847 6,498 7,847 601		Total	1.913	7,75	200.0	2362	2022	2 077			2,923	858			\$58
Furnal 1,123 1,226 5,490 10,214 7,592 4,046 1,226 5,498 10,770 858 10,770 858 1,226 5,400 10,214 7,593 1,091 601 601 3,728 1,076 1,091 601 3,728 1,076 1,091 601 3,728 1,076 1,091 601 3,728 1,076 1,091 601 3,728 1,076 1,091 601 3,728 1,091 601 3,728 1,001 1,091 601 3,728 1,001 1,091 601 3,728 1,091 6,044 4,041 1,74 2,472 4,046 8,153 6,044 4,041 1,74 2,472 1,001 1		Urban	2,065		300	7000	C30 /	1.03	1 226	5.498	7.847				
Total 3,188 1,226 5,800 10,21 1,722 1,509 1,500 1,142 1,509 1,50		Rural	1,123	1.226	0,4%	1,047	7000	4 046	1 226	5.498	10.770	858			858
Urban 490 2.127 318 3.334 1.594 2.127 4.046 7.062 6.153 6.15 6		Total	3,188	1,226	2.800	10,214	000	100	2		00	89			109
Name		Urban	490			450	7 504	088	2127	4 046	7,062			3,728	3,728
Total 1,379 2,127 318 3,524 4,271 4,471 174 174 1,272 1,270 1,275 2,472 4,411 1,74 2,472 1,704 4,275 2,230 6,694 14,227 2,230 9,166 16,492 1,714 2,472 2,472 1,724 9,213 2,235 6,694 18,257 2,236 2,366 1,965 1,216 2,245 1,210 2,414 3,049 4,44 3,049 4,49 4,414 3,049 4,399 2,246 1,716 2,414 3,049 3,443 4,399 2,246 7,520 121 2,102 1,284 1,704 6,984 4,399 2,244 4,399 2,244 1,26		Rural	688	2,127	318	1000	1000	1 060	2127	4 046	8 153	601		3,728	4.329
Urban 4,237 4,004 4,004 4,004 4,004 1,004 2,471 2,350 9,166 16,472 174 2,472 Rumal 9,236 6,694 18,257 2,236 9,166 20,903 174 2,472 Rumal 9,236 6,694 18,257 2,236 1,666 2,009 174 2,472 Urban 1,844 3,049 4/4 3,453 3,649 2,546 1,216 2,102 Total 658 4,399 8,527 7,141 3,543 4,399 2,242 6,541 1,384 Urban 658 4,399 8,257 7,141 3,543 4,399 2,242 6,541 1,384 Urban 615 4,399 2,574 7,671 10,870 2,439 2,242 6,4189 Rural 1,735 3,669 4,389 2,274 7,671 1,384 2,344 1,389 Lotal 1,735 3,698 4,389		Total	1,379	2,127		3,824	77,10	20,1	12112	2	4411	174			174
Rural 4,976 2,356 6,694 14,020 17,33 4,976 4,590 1,040 1,040 1,040 1,040 1,040 1,040 1,040 1,040 1,040 1,040 1,040 1,040 1,040 1,050 1,172 1,050 <t< td=""><td></td><td>Urban</td><td>4,237</td><td></td><td></td><td>4,237</td><td>4,043</td><td>4.4.1</td><td>١</td><td>73.0</td><td>100</td><td></td><td></td><td>072.0</td><td>2 472</td></t<>		Urban	4,237			4,237	4,043	4.4.1	١	73.0	100			072.0	2 472
Total 9,213 2,350 6,654 18,257 22,376 9,350 2,050 1,750 2,050 1,750 2,150 1,12 2,102 2,102 1,106 1,11 1,356 1,256 1,256 1,256 1,256 1,256 1,256 1,256 1,256 1,256 1,256 1,256 1,256 1,250 1,250 1,210 2,102 1,250 1,202 1,256 1,256 1,256 1,256 1,256 1,256 1,256 1,256 1,258 1,259 2,242 <th< td=""><td></td><td>Rural</td><td>4,976</td><td></td><td>6.694</td><td>14,020</td><td>17,733</td><td>4,976</td><td></td><td>7,100</td><td>10,4%</td><td>1</td><td></td><td>2777</td><td>777</td></th<>		Rural	4,976		6.694	14,020	17,733	4,976		7,100	10,4%	1		2777	777
Urban 1,844 112 1,956 2,066 3,049 2,506 5,555 121 2,102 Rural 1,844 3,049 404 3,453 5,973 3,049 2,506 5,525 121 2,102 Toral 1,844 3,049 2,416 2,417 3,739 3,543 2,549 2,540 1,220 1,234 2,845 1,238 Poral 615 2,418 2,418 4,399 2,242 6,43 2,845 1,384 Urban 615 3,069 4,189 4,206 1,439 2,242 6,418 2,845 1,384 Urban 615 3,069 4,399 2,242 6,641 2,845 1,384 Urban 8,120 4,286 1,1735 3,069 4,389 1,350 4,389 1,350 Rural 3,380 2,841 1,878 8,109 7,585 3,390 2,841 3,393 Rural 3,580 1,28		- 04 C	0213	l	6.694	18,257	22,376	9.387	2,350	9.166	20,903	1,4		7,477	913
Rural 3,049 4,04 3,453 5,973 3,049 2,566 5,555 2,102 Total 1,844 3,049 516 5,409 8,041 1,965 3,649 2,566 7,520 121 2,102 Total 698 4,399 2,544 3,779 3,543 4,399 2,242 6,549 8,041 1,365 7,220 6,540 7,324 1,384 2,845 1,384		1000	1 844		112	1,956	2,068	1.965		.1	1,965	121			
Kurtal 1,844 3,049 5,409 8,041 1,965 3,049 2,504 2,144 3,729 3,543 2,543 2,845 121 2,102 Urban 6598 4,399 2,574 7,141 3,729 3,543 4,399 2,242 6,641 2,845 1,384 Urban 615 3,669 4,389 2,574 7,671 10,870 3,543 4,399 2,242 6,641 2,845 1,384				2 040	404	3.453	5.973		3,049	2,506	5,555		:	2,102	2,102
Urban 698 4,399 858 5,257 7,141 3,543 4,399 2,242 6,641 1,384 Urban 698 4,399 2,574 7,671 10,870 3,543 4,399 2,242 6,641 2,845 1,384 Total 698 4,399 2,574 7,671 10,870 3,543 4,399 2,242 10,184 2,845 1,384 Rural 1,120 3,069 4,189 4,787 1,735 3,069 4,189 4,384 1,384 Rural 1,735 3,069 4,389 2,241 1,370 3,434 3,392 Rural 3,390 2,841 1,878 8,109 1,350 3,454 3,392 Rural 3,390 2,841 1,878 8,109 1,350 3,454 3,392 Rural 3,584 3,792 4,090 17,466 3,792 4,090 17,466 3,393 Rural 771 8,168 961		Varge S	1044		\$18	\$ 409	8.041	1.965	3,049	2,506	7,520	121		2.102	2.223
Urban 698 4,399 5,274 7,141 4,399 2,242 6,641 1,384 1,384 Rural 698 4,399 2,274 7,671 10,870 3,543 4,399 2,242 10,184 2,845 1,384 Urban 615 4,389 4,206 1,120 3,069 4,189 4,206 1,120 3,069 4,189 4,189 4,206 1,120 4,189		ieso.	90,1	١	1912	2414	3,729	3.543	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	:	3,543	2,845			2.845
Rural 698 4,399 2,574 7,571 10,870 3,543 4,399 2,242 10,184 2,345 1,384 Total 615 4,189 4,206 1,120 3,669 4,189 4,189 1,350 4,804 Rural 1,120 3,069 4,804 4,757 1,735 3,069 4,804 4,757 1,735 3,069 4,804 4,757 1,735 3,069 4,804 4,757 1,735 3,069 4,804 4,757 1,735 3,069 4,804 4,757 1,735 3,069 4,804 4,757 1,735 3,069 4,804 4,757 1,735 3,069 4,804 4,757 1,726 2,841 1,878 8,109 7,864 2,841 1,878 8,109 7,466 1,350 1,350 1,350 1,350 1,350 1,350 1,350 1,350 1,350 1,368 1,376 4,090 1,368 1,368 1,368 1,368 1,368 1,368 1,368 <td>;</td> <td>Croan</td> <td>693</td> <td>ļ</td> <td>040</td> <td>\$ 75.7</td> <td>7 141</td> <td></td> <td>4,399</td> <td>2242</td> <td>6,641</td> <td></td> <td></td> <td>1,384</td> <td>1384</td>	;	Croan	693	ļ	040	\$ 75.7	7 141		4,399	2242	6,641			1,384	1384
Urban Urba	San Juan (Cabalian)	Kura	603	766,4	2 574	7.671	10.870	3,543	4,399	2,242	10,184	2,845		1,384	4 229
Protect 1,120 3,069 4,189 4,206 1,120 3,069 4,189 4,804 4,757 1,735 3,069 4,804 4,804 4,757 1,735 3,069 4,804 1,350 1,369 1,376 1,376 1,376 1,350 1,		rio :	020	7,77		615	551	615			615				
Kural 1,120 3,069 4,804 4,757 1,735 3,069 4,804 Total 1,735 3,069 4,804 4,757 1,735 3,069 4,804 1,350 Rural 3,390 2,841 1,878 8,109 7,883 1,810 1,220 2,841 1,878 1,350 Total 4,214 3,225 2,711 10,150 9,873 5,644 2,841 1,878 1,350 Purban 7,766 123 657 14,073 18,781 9,584 3,792 4,090 17,466 3,454 3,593 Purban 771 3,915 697 14,073 18,781 9,584 3,792 4,090 28,686 3,454 3,593 Purban 771 3,42 389 1,502 1,762 8,168 961 9,129 1,776 8,168 961 9,129 1,005 1,005 1,005 1,005 1,005 1,005 1,005 1,005 1,005 </td <td></td> <td>100 100 100 100 100 100 100 100 100 100</td> <td>000</td> <td>Ì</td> <td></td> <td>4 189</td> <td>4 206</td> <td>1.120</td> <td>3.069</td> <td>:</td> <td>4,189</td> <td></td> <td>11</td> <td></td> <td></td>		100 100 100 100 100 100 100 100 100 100	000	Ì		4 189	4 206	1.120	3.069	:	4,189		11		
Urban 824 334 833 2,041 2,288 2,174 1,878 8,109 1,350	San Kicardo	Z C	77.			4 804	4.757	1,735	3,069	:	4,804				
Rural 3,390 2,841 1,878 8,109 3.554 2,841 1,878 8,109 3.554 2,841 1,878 1,350 3.454 3,390 2,841 1,878 1,220 3,454 3,554 2,841 1,878 1,350 3,554 2,841 1,878 1,220 3,454 3,532 3,532 3,532 3,546 3,546 3,546 3,546 3,792 4,090 17,466 3,454 3,393 Urban 771 342 389 1,502 3,051 20,804 3,792 4,090 17,466 3,533 Urban 771 342 389 1,502 1,076 1,005 1,005 1,005 Rural 771 8,168 961 9,129 9,742 8,168 961 9,129 9,742 4,090 1,095 1,005 1,005 Oppus Rural 771 8,510 1,350 10,631 1,176 8,168 961 10,905 1,005 1,005 <td></td> <td>lotal</td> <td>5,5</td> <td></td> <td>877</td> <td>2.041</td> <td>2.288</td> <td>2.174</td> <td></td> <td></td> <td>2,174</td> <td></td> <td></td> <td></td> <td>1.350</td>		lotal	5,5		877	2.041	2.288	2.174			2,174				1.350
Kural 5,1370 2,257 2,564 2,841 1,878 10,283 1,350 Total 4,214 3,225 2,711 10,150 9,873 5,564 2,841 1,878 10,283 3,592 Urban 7,766 123 7,889 11,810 11,220 3,792 4,090 17,466 3,592 Rural 9,584 3,792 697 21,962 30,591 20,804 3,792 4,090 17,466 3,592 Urban 771 342 389 1,502 1,776 1,005 1,005 1,005 Urban 771 8,168 961 9,129 9,742 8,168 961 10,905 1,005 4 Urban 51,289 9,117 21,054 81,460 104,892 99,742 99,742 48,453 25,753 7 Rural 38,837 79,257 54,125 172,219 205,329 38,837 79,257 79,878 197,972 48,453		Oroan	*70° C		1 878	8 109	7.585	3,390		1,878	8,109				
Oppus Total Tota	Silago	Kura	ı		2711	10,150	9.873	5.564		1.878	10,283				1 350
Curban 7,700 1,700 1,700 1,700 1,766 3,393 Rural 9,584 3,792 697 14,073 18,781 9,584 3,792 4,090 28,686 3,454 3,393 Total 771 342 389 1,502 1,869 1,776 8,168 961 9,129 1,776 8,168 961 9,129 9,762 1,776 8,168 961 9,129 9,742 8,168 961 9,129 9,742 8,168 961 9,129 1,776 8,168 961 9,129 1,776 8,168 961 9,129 1,005 1,005 1,005 4 Oppus 1,02a1 2,123 11,631 1,776 8,168 961 10,905 1,005 4 Oppus 1,02a1 2,12a 1,646 10,631 1,776 8,168 961 10,905 1,005 4 Inchan 51,289 9,117 2,154 172,219 205,329		Z C	1			7 889	11,810	11,220			11,220				3.454
Rural 9,584 3,792 4,090 28,686 3,454 3,393 Total 17,350 3,915 697 21,962 36,91 20,804 3,792 4,090 28,686 3,454 3,393 Oppus Rural 771 8,168 961 9,129 9,762 1,869 1,776 8,168 961 9,129 Oppus Rural 771 8,510 1,350 10,631 1,776 8,168 961 10,905 1,005 Urban 51,289 9,117 21,054 81,460 104,892 99,742 99,742 48,453 4 Rural 38,337 79,257 54,125 172,219 205,329 38,837 79,257 48,453 25,753 7 Rural 38,837 79,257 54,125 172,219 205,257 79,257 79,878 297,714 48,453 75,753 7		E C	00/,		203	14.073	18 781	9.584		4,090	17,466			3,393	3,393
Total 17,350 3,912 997 21,502 1,869 1,776 8,168 961 9,129 1,005 1,776 1,005 4 Total 51,289 9,117 21,024 81,460 104.892 99,742 79,277 48,453 25,753 25,753 25,753 25,753 7,776 48,453 25,753 7,776 25,753 7,776 79,277 79,878 79,771 48,453 75,753 7,777 79,878 75,773 75,753 7,773 75,753 7,773 75,773 75,773 75,773 75,773 75,7	Sogod	Kura	7,384	١	1603	21 060	20 501	20.804		4.090	28,686	3,454		3,393	6.847
Urban 7/1 8,168 961 9,129 9,762 8,168 961 9,129 0,005 1,		Total	17,350	1,5,5	760	20217	869	1 776	-		1,776				1.005
Rural 771 8,510 1,350 10,631 1,631 1,776 8,168 961 10,905 1,005 1,005		Urban	1//	346	200	1200	C3C 0			961	9.129				
Total 771 8,510 1,350 10,631 1,470 3,190 701 1,570 3,460 10,631 1,400 3,190 39,742 48,453 25,753 Total Rural 38,337 79,257 54,125 172,219 205,329 38,837 79,257 79,878 197,972 48,453 25,753 Total Rural 38,337 79,257 79,878 297,714 48,453 25,753	Tomas Oppus	Rura		8,168	761	7,127	70,7	7660 .	١	170	50001	1 005			1.005
Urban 51,289 9,117 21,054 81,460 104,892 99,742 79,257 79,878 197,972 48,453 25,753 Rural 38,837 79,257 54,125 172,219 205,329 38,837 79,257 79,878 197,972 48,453 25,753 The state of the	•	Total	771	8,510	1,350	10,631	Ì	1,7/0		202	5,500	1			257.37
Rural 38.837 79.257 54,125 172,219 205,329 38,837 79,257 79,878 197,974 48,453 25.753		Urban	51.289		21,054			99,742	ļ		79./42	1		250.30	157.50
75.757 79.878 297.714 48.453 25.757 75.757 79.878 297.714 48.453 25.755	Descriptorial Total	2	38.837	ı	54,125		205,329	38,837	- 1		197.972			25,733	107,735
	Frovincial total	1	00 126		75,179		310,221	138,579			297,714	48.453		25.755	74.200

Table 8.5.4 Additional Number of Households to be Served in Phase I (Household Toilets)

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			to. of Hous in the Bz	No. of Household Served in the Based Year	Ţ.				Phase I	Phase I Coverage (2004)	(2004)			
Name of	Area					Total No		Household	Household Coverage		Additic	onal No. of	Additional No. of HHs to be Served	erved
Municipality		Flush	Flush	v:O/AJv	Total	of HHs	Flush	Pour Flush	VIP/Dry	Total	Flush	Pour Flush	VIP/Dry	Total
	Urban	10	295		577	929	10	267		577				
Anahawan	Rura	5	959		655	644	5	620		559				
-	Total	15	1,217		655	1,270	15	1,217		1,232				
	Urban	100	585		589	758	100	585		685			:	
Bontoc	Rural	50	2		2,956	3,829	34	3,336		3,370		430		430
	Total	150	3		2,956	4,587	134	3,921		4,055		430		430
	Urban	30			289	426	38	345		383	8	98	-	94
Hinunangan	Rural	20	ľ		4,176	4,365	20	4,156	1.	4,176				
)	Total	20			4,176	162.5	58	4,501		4,559	8	86		\$
	Urban	45			800	1,141	103	924		1,027	85	169		227
Hinundayan	Rural	17			1,320		17	1,303		1,320				
•	Total	62			1,320	2,370	120	2,227		2,347	58	169	-	227
	Urban	4			277	290	4	273		27.7	:			
Libagon	Rural	2	1,695		1,697	1.821	2	1,695		269'1				
))	Total	9	Ŀ		1,697	2,111	9	1,968		1,974				÷
	Urban	23	L		813	896	87	784		871	64			\$
Liloan	Rural	00			2,352	2,363	8	2,344		2.352	:		+	
	Total	31	3.134		2,352	3,331	95	3,128		3,223	\$			યું યુ
	Urban	٠	234		234	100	25	222		247	25			25
Limasawa	Rura		902		200			709		<u>8</u>		eo.	-	(A)
	Tota		940		90/	1,080	25	931		956	. 25	3		28
	Urban	140	4		4,187	8,742	787	7,081	**	7,868	543	3.034		3.683
Maasin (Capital)	Rura	45			5,406	4,338	45	5,361	· ·	5,406				
-	Total	185	9.408		5,406	13,080	832	12,442		13,274	647	3.034		3.683
	Urban		1,130		1,130	1,410	127	1,142		1.269	127	12		139
Macrohon	Rura		2,317		2,317	2,706	24	2,357		2,381	24	40		64
	Total	-	3,447	: :	2,317	4.116	151	3,499		3,650	151	52		203
				T. A.Lines										

Table 8.5.4 Additional Number of Households to be Served in Phase I (Household Toilets) (Cont'd)

Name of Multiples Arter (Final Page 1967) Total No. of RRS Float (Final Page 1967) Total No. of RRS Float (Final Page 1967) Total No. of RRS Float (Final Page 1967) Total No. of RRS Float (Final Page 1967) Total No. of RRS Float (Final Page 1967) Total No. of RRS Float (Final Page 1967) Total No. of RRS Float (Final Page 1967) Total No. of RRS Float (Final Page 1967) Total RRS Float (Final Page 1967) Float (F			Z	o. of House	No. of Household Served	T G		ļ		Phase I	Phase I Coverage (2004)	2004)			
Part Plush Part Plush	Nome of			in the Bi	sed Year				Diodesio	Coverage		Additio	nal No. of	HHs to be	Served
Urban 40 476 516 516 513 64 578 642 578 642 524 102 122	Municipality	Area	Flush	Pour Flush	VIP/Dry	Total	Total No.		Pour Flush	VIP/Dry	Total	Flush	Pour Flush	VIP/Dry	Total
Name	TE STORY		40	476		516	713	8	578		642	24	102		126
Total 40 2,265 2,459 3,794 64 3,259 3,513 24 3,524		1000	?	2 480		2.489	3.081		2,711		2,711		222		222
Ungos Runal Total 18 / 100 / 18 / 18 / 18 / 18 / 18 / 18 /		Kurai	40	2000		2.489	3,794	R	3,289		3,353	77	324		ž.
Urgos Circular (Archae) 4 986 938 4 982 186 386 186			2 0	166		184	578	52	468		520	34	302		336
Cartal 22 1,144 986 1,516 56 1,450 1,506 34 302 38 1,504 1,421 1,427 1,4		Ordan Original	4	082		986	938	4	682		986				
Urban 142 142 142 222 20 180 200 20 38		Total	20	148		986		56	1,450		1,506	34	302		556
Carbon C		1 lebon	3	142		142		20	180		8	22	38		2
Cabalian Cabalian		100.10		1 347		1.347			1,347		1,347				
Cabalian Cabalian		70.07		1 280		1.347		70	1,527		1,547	20			38 3
Chost 270 3,592 3,518 31 3,665 3,518 3,518 3,505 271 2 Total 367 3,339 3,692 4,444 116 3,831 3,507 16 492 5 Urban 26 3,60 1,388 1,411 9 1,349 1,528 1,439 1,538 1,439 1,538 1,439 1,538 1,439 1,538 1,439 1,538 1,439 1,538 1,539 1,538 1,549 1,538 1,549 1,538 1,549 1,538 1,549 1,538 1,549 1,538 1,54 1,549 1,538 1,549 1,538 1,54 1,549 1,528 1,549		I Liber	69	545		614		88	296		851	91			237
Cabalian Cabalian			200	2 704		3.092		31	3,065		3,096		271		271
Hoteland Solution (Aurel) 1,500 (Aurel)		Nura 1	27.0	2 220		3 092		116	3.831		3,947	16			508
Total		re i	100	360		386		4	395		439	18			53
Name		Ligar O	07	200		1 258		0	1 349		1.358				
Total 35 1,703 1,206 1,589 75 677 752 25 227 2 2 2 2 2 2 2 2	San Francisco	Rura	2			925		53	1.744		1,797	18		***	53
Note Cabellan Rural 1,026 1,026 1,536 1,538 1,		1012	S.			SCH 1		36	K777		752	25	2		252
Total Rural So		Urban	S	450		000			1 308		1 398				372
Total S0 1,476 1,026 2,424 1,24 1,244 1,286		Rura				0701		36	2000		051.6	25			624
Urban 118 1286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,406 1,404 1,404 1,404 1,404 1,404 1,595 1,906 1,297 4,531 1,505 1,595 1,595 1,595 1,595 1,908 1,535 1,595 1,595 1,908 1,535 1,595 1,595 1,908 1,535 1,535 1,595 1,595 1,908 1,535		Total	50			1,026			2,7,7		200	14			20.
ardo Rural 1,286 1,036 1,428 1,036 1,428 1,404 1,286 1,036 1,410 1,424 144 6 Total 1,404 1,286 1,209 14 1,410 1,424 144 6 Urban 430 1,595 2,121 44 1,586 2,778 44 599 7 Rural 19 2,025 1,361 1,406 2,420 218 1,560 2,778 173 599 7 Urban 45 2,748 2,767 3,833 11 368 1,190 1,3 Urban 11 36 2,032 2,032 2,209 5,551 183 1,190 1,3 Oppus Rural 36 1,996 2,032 2,468 47 2,364 2,411 6,1 Total 41,09 2,032 2,468 47 2,364 2,411 1,97 4,124 1,99 Urban		Urban		118		118		7	#77		706				
Total 1,404 1,286 1,209 14 1,410 1,424 1,444	San Ricardo	Rura		1,286		1.286			097		007,1				oc oc
Urban 430 485 44 393 457 457 Rural 1,595 1,636 4 1,595 4 2,032 44 Total 2,025 1,595 2,121 44 1,988 2,032 44 Urban 45 1,361 1,406 2,420 218 1,960 2,178 173 599 Rural 64 4,109 2,767 6,253 2,529 5,299 5,551 188 1,190 1.30 Oppus Rural 36 1,996 2,032 2,689 3,551 188 1,190 1.30 Oppus Rural 47 2,364 2,032 2,468 47 2,411 2,411 6,196 2,032 47 2,411 6,196 13,667 21,863 1,908 17,832 19,740 1,297 4,831 6,196 Wincial Total Rural 51,34 2,666 269 40,979 41,248 39 1,929 <td></td> <td>Total</td> <td></td> <td>1,404</td> <td></td> <td>1,286</td> <td></td> <td>4</td> <td>1.410</td> <td></td> <td>1.424</td> <td>!</td> <td></td> <td></td> <td></td>		Total		1,404		1,286		4	1.410		1.424	!			
Rural 1,595 1,636 1,595 1,595 44 1,595 44 1,595 44 1,595 4,632 44 44 1,595 4,632 44 44 1,988 2,632 44 4 1,988 2,032 44 1,996 2,178 173 599 7 Urban 45 1,361 2,767 3,833 34 3,339 3,551 188 1,190 Oppus Rural 64 4,109 2,767 6,253 2,529 5,551 188 1,190 Oppus Rural 36 1,996 2,032 2,032 2,032 2,032 2,032 2,411 <		Trhan		430		430		44	393		45/	4			1
Charal 2,025 1,595 2,121 44 1,988 2,032 44 998 Urban 45 1,361 1,406 2,420 218 1,960 2,178 173 599 Rural 19 2,748 2,767 3,833 34 3,339 3,373 15 591 Oppus Rural 64 4,109 2,767 6,253 2,529 5,551 188 1,190 Oppus Rural 36 1,996 2,032 2,032 2,032 2,032 2,032 Oppus Rural 47 2,364 2,032 2,468 47 2,364 2,411 2,241 Urban 611 13,056 13,667 21,863 1,908 1,732 41,248 39 1,929 Wincial Total Rural 513 39,363 42,666 269 40,979 41,248 39 1,929 Accial 1,74 52,106 53,230 64,529	0.10%	2		1.595		1,595	1		1,595	:	1.595	,			;
Urban 45 1,361 1,406 2,420 218 1,960 2,178 173 599 Rural 19 2,748 2,767 3,833 34 3,339 3,373 15 591 Oppus Rural 64 4,109 2,767 6,253 2,529 5,551 188 1,190 Oppus Rural 36 1,996 2,032 2,032 2,032 368 47 2,364 2,032 Total 47 2,364 2,032 2,032 47 2,364 2,411 4,521 Wincial Total Rural 513 39,563 42,666 269 40,979 41,248 39 1,529 Accol 1,734 52,106 53,230 64,529 2,177 58,811 60,988 1,326 6,760	Silago	1000		2 025		1.595		44	1,988		2,032	44			4
Chours 19 2,748 2,767 3.833 34 3,339 3,373 15 591 Fural 64 4,109 2,767 6,253 2,52 5,299 5,551 188 1,190 Oppus Rumal 36 1,996 2,032 2,032 2,032 2,032 2,032 2,032 Total 47 2,364 2,032 2,468 47 2,364 2,411 2,411 4,5241 Wincial Total Rumal 511 13,056 13,667 21,863 1,908 17,832 19,740 1,297 4,831 Wincial Total Rumal 513 39,050 39,563 42,666 269 40,979 41,248 39 1,529 Actual 17,44 52,106 53,230 64,529 2,177 58,811 60,988 1,326 6,760		10101	45			1,406		218	1,960		2,178	173	85		77.2
Chural 19 2,75 6,253 252 5,299 5,551 188 1,190 Total 64 4,109 2,767 6,253 2,68 11 368 379 1,190 Oppus Ruml 36 1,996 2,032 2,032 2,032 2,032 2,032 Total 47 2,364 2,032 2,468 47 2,364 2,411 2,411 Urban 611 13,056 13,667 21,863 1,908 17,532 19,740 1,297 4,831 Wincial Total Rural 513 39,563 42,666 269 40,979 41,248 39 1,529 Accol 17,44 52,106 53,230 64,529 2,177 58,811 60,988 1,336 6,760			2			2 767	-	34	3,339		3,373	15	591		909
Urban 11 368 379 388 11 368 379 Urban 11 368 2,032 2,032 2,032 2,032 Total 47 2,364 2,032 47 2,364 2,411 Total 47 2,364 2,032 4,234 4,241 Wirelian 611 13,056 13,667 21,863 1,908 17,832 19,740 1,297 4,831 Total Rural 513 39,050 39,563 42,666 269 40,979 41,248 39 1,929 Total 513 52,106 53,230 64,529 2,177 58,811 60,988 1,336 6,760	Sogod	E L				7767		252	5.299		5,551	188		:	1.378
Urban 11 300 2,032 2,032 2,032 2,032 2,032 2,048 47 2,364 2,411 </td <td></td> <td>je je</td> <td>5</td> <td></td> <td></td> <td>370</td> <td></td> <td>=</td> <td>368</td> <td>:</td> <td>379</td> <td>2</td> <td></td> <td></td> <td></td>		je je	5			370		=	368	:	379	2			
Rural 36 1,996 2,032 2,468 47 2,364 2,411		Croan				2000	ſ	3,6	1 996		2.032				
Total 47 2,364 2,032 2,403 1,203 1,323 19,740 1,297 4,831 Urban 611 13,056 13,667 21,863 1,908 17,832 19,740 1,297 4,831 Rural 513 39,563 42,666 269 40,979 41,248 39 1,929 Foot 1734 57,106 53,230 64,529 2,177 58,811 60,983 1,336 6,760	Tomas Oppus	Rura	36			200,2			2364		2.411				
Urban 611 13.056 13.667 21.863 1.908 17.532 19.740 1.227 4.021 Rural 513 39,050 39.563 42.666 269 40.979 41.248 39 1.929 Frail 1734 57.106 53.230 64.529 2,177 58.811 60.988 1.336 6,760		Total	47			2,032	Ĭ	,				200	L		30.7
Rural 513 39,050 39,563 42,666 269 40,979 41,248 39 1,929 Fund 1174 57,106 53,230 64,529 2,177 58,811 60,988 1,336 6,760		I Irhan	611	13.056		13,667		_	1		19,740	/67.1			077.0
721 1.24 52.106 53.230 64.529 2.177 58.811 60.988 1.336 6.760	Partition Total		415	L		39.563			40,979		41,248	٠.			1.968
	Provincial Lotal	2	75.	L		53.230			58.811		886'09	_			8.096

Table 8.5.5 Additional Number of Households to be Served in Phase II (Household Toilets)

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Municipality Area Municipality Urban Annahawan Anna								I DOME I	r dase ii Covel age (2010)	(4040)			
an		Dome			Total No		Household	Household Coverage		Additio	nal No. of	Additional No. of HHs to be Served	erved
'an	Flush	Flush	VIP/Dry	Total	of HHs	Flush	Pour Flush	VIP/Dry	Total	Flush	Pour Flush	VIP/Dry	Total
'an	10	567		577	685	326	325		651	316			316
:	S	650		655	685	15	650		959				
	15	-		1,232	1,370	331	516		1,306	316			316
0	100	585		589	924	439	439		878	339			339
	¥	3,336		3,370	4,764	886	3,545		4,431	852	209		1.061
	134	3,921		4.055	5,688	1,325	3,984		5,309	1,191	209		1,400
Urban	38			383	167	233	233		766	195			195
Hinunangan Rural	20			4,176	4,933	816	3,670		4,588	868			868
	58			4,559	5,424	1,151	3,903		5,054	1,093		****	1.093
Urban	103	924		1,027	1,402	999	999	1 4 4	1,332	563			563
Hinundayan Rural	17	1,303		1,320	1,526	284	1,135		1,419	267			267
Total	120	2,227		2,347	2,928	950	1,801		2,751	830	:	-	830
Urban	4	273		277	351	167	166		333	163	i		163
Libagon Rurai	7	1,695		1,697	2,134	397	1,588		1,985	395		-	395
Total	9			1,974	2,485	564	1,754		2,318	558			558
Urban	87	784		871	1,121	533	532		1,065	446			446
Liloan	83	2,344		2,352	2,656	349	2,121		2,470	341			341
Total	95			3,223	3,777	882	2,653	į.	3,535	787			787
Urban	25	222		247	349	166	166		332	141		—	141
Limasawa Rura!				200	1,054		980		980		271		271
•	25	931		956	1,403	1991	1,146		1,312	141	271		412
Urban	787	7,081		7,868	10,471	4.974	4,973		9,947	4.187	-		4,187
Maasin (Capital) Rural	45	5,361	-	5,406	5,068	45	5,361		5,406				
	832	12,442		13,274	15,539	5,019	10,334		15,353	4,187			4,187
Urban	127	1,142		1,269	1,656	787	786		1.573	099			099
Macrohon	24	2,357		2,381	3,232	601	2,405		3,006	577	48	, •	625
Total	151	3,499		3.650	4,888	1,388	3,191		4.579	1.237	48		1.285

Table 8.5.5 Additional Number of Households to be Served in Phase II (Household Toilets) (Cont'd)

Cheballan Area Fluch Pour P					Constitution 2	000				Phase II	Phase II Coverage (2010)	(2010)			
Fig. 20 Area Four Flush Flus			. 0		e sei vou in A							1.13547.4	1,4,1	unite to be	
Finish Fluish Fluish Fluish Fluish Fluish Fluish Fluish Propriation VIPDry Total Orbital 100 Action Fluish Propriation VIPDry Total Fluish Propriation VIPDry Total Action	Name of	AFF		,			Tess No		Household	Coverage		Additio	nai No. 01	HAS to be	Derved 0
Human G44 578 G42 979 465 466 620 62	Municipality	}	Flush	Pour Flush	VIP/Dry		of HHs	Flush	Pour Flush	VIP/Dry	Total	Flush	Pour Flush	VIP/Dry	Total
Virtual Character Virt				670		C47)	979	465	465		930	401			64
Heating Heat		ragi.	\$	0/0		2711	4.368		4,062		4,062		1,351		1351
Urban SZ 466 366 731 314 Urban SZ 468 1221 227 159 136 223 Rural S6 1,450 1,200 1,200 1,200 200 1,136 223 Urban S6 1,450 1,200 1,200 1,200 200 200 1,27 1,17 200 200 1,176 233 0.66 1,17 1,17 200 200 1,170 200 200 1,170 200 200 1,170 200 200 1,170 200 200 1,170 200 200 1,170 200 200 1,170 200 200 200 1,170 200		Rura	ľ	2 700		2.25.2	5.347	465	4.527		4,992	401	1,351		1.752
Urban 24 785 1,221 227 909 1,116 223 Total 56 1,450 1,296 1,274 1,126 357 Total 56 1,450 1,290 353 1,274 1,390 573 1,274 1,390 573 1,276 357 1,706 357 1,706 357 1,706 357 1,706 357 1,706 357 1,706 353 66 66 66 66 66 70 </td <td></td> <td>lotal</td> <td>\$ 8</td> <td>7,607</td> <td></td> <td>\$20</td> <td>69/</td> <td>388</td> <td>365</td> <td></td> <td>731</td> <td>314</td> <td></td> <td></td> <td>314</td>		lotal	\$ 8	7,607		\$20	69/	388	365		731	314			314
Runal 56 1,506 1,590 593 1,274 1,867 357 Uchan 26 1,80 200 1,506 1,390 593 1,274 1,176 357 117 Uchan 20 1,347 1,347 2,186 490 1,449 2,099 470 66 Runal 30 1,347 1,161 352 2,53 4,123 724 66 Cichan 86 1,66 4,23 3,28 4,123 724 233 Runal 116 3,50 4,39 4,43 3,28 4,123 724 2,33 Uchan 44 3,50 4,39 5,54 1,377 3,49 4,123 724 2,33 Runal 116 1,349 1,377 2,44 3,77 4,42 3,59 4,42 2,52 1,37 3,49 4,12 2,03 4,41 2,33 3,69 4,41 2,33 3,69 4,43 <th< td=""><td></td><td>Uroan</td><td>77</td><td>004</td><td><u> </u></td><td>986</td><td>1 221</td><td>227</td><td>606</td><td></td><td>1,136</td><td>223</td><td></td><td></td><td>223</td></th<>		Uroan	77	004	<u> </u>	986	1 221	227	606		1,136	223			223
Urban 20 1367 137 116 273 117 66 Rural 20 1367 1,89 353 1,413 1,766 353 66 Rural 20 1,367 1,89 353 1,413 1,766 350 66 66 Total 31 3,065 851 1,161 522 551 1,102 467 233 Total 31 3,065 851 1,161 522 521 1,102 467 233 Total 31 3,047 5,274 2,483 3,286 4,213 202 30 Rural 41 3,650 1,389 1,773 3,489 5,226 1,379 2,203 3,204 4,233 3,59 4,213 3,00 4,233 3,00 4,433 3,20 4,213 3,00 4,433 3,20 4,213 3,00 4,233 3,00 3,00 3,00 3,00 3,00 3,00 <th< td=""><td></td><td>Rural</td><td>4 2</td><td>707</td><td></td><td>1 506</td><td>986:</td><td>593</td><td>1,274</td><td></td><td>1,867</td><td>537</td><td></td><td></td><td>537</td></th<>		Rural	4 2	707		1 506	986:	593	1,274		1,867	537			537
Urban 20 1,347 1,899 353 1,413 1,766 355 66 Total 20 1,527 1,897 2,186 490 1,549 1,799 66 Total 35 1,367 2,186 490 1,549 2,039 470 66 Rural 31 3,665 3,696 4,431 3,528 3,208 4,122 794 233 Urban 44 395 4,439 5,594 1,377 3,849 5,226 1,261 233 Urban 44 395 4,439 5,574 2,465 2,485 3,62 3,69 Rural 44 395 4,439 5,574 1,377 3,442 1,389 3,69 3,62 3,69 3,62 3,69 3,60 3,60 3,60 3,60 3,60 3,60 3,60 3,60 3,60 3,60 3,60 3,60 3,60 3,60 3,60 3,60 3,60 3,60 <td></td> <td></td> <td>0.00</td> <td>Ş</td> <td>+</td> <td>200</td> <td>287</td> <td>137</td> <td>136</td> <td></td> <td>273</td> <td>117</td> <td></td> <td></td> <td></td>			0.00	Ş	+	200	287	137	136		273	117			
Yournal 2.0 1.527 1.547 2.186 490 1.549 2.039 470 66 Hural 3.5 7.6 4.0 1.549 5.5 5.1 1.161 552 5.51 1.103 4.7 2.3 Uchan 4.6 3.6 3.6 3.6 3.6 4.2 2.5 3.2 3.2 3.3 Rural 1.16 3.8 1.6 3.6 3.2 3.6 2.2 3.2 3.2 Rural 9 1.36 1.37 3.849 2.2 2.2 3.2 Rural 3 1.74 1.37 3.849 2.2 3.2 3.2 3.2 Rural 3 1.74 1.38 1.43 3.42 3.8 3.6 3.0 Rural 7.5 4.7 1.38 1.74 1.28 3.6 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 <t< td=""><td></td><td>E.</td><td>*</td><td>707</td><td></td><td>1.47</td><td>1 899</td><td>353</td><td>1,413</td><td></td><td>1,766</td><td>353</td><td>99</td><td></td><td>419</td></t<>		E.	*	707		1.47	1 899	353	1,413		1,766	353	99		419
Urban 35 1,161 552 551 1,103 467 Rural 31 3,065 3,096 4,433 3,298 4,123 794 233 Total 116 3,831 3,947 5,594 1,379 2,010 2,849 5,226 1,205 30 Rural 31 3,065 4,833 1,349 5,594 1,379 2,010 2,849 5,226 30 Rural 53 1,744 1,736 2,010 2,55 1,629 1,379 2,010 2,524 3,62		Kurai	100	163		1 547	2.186	490	1 549		2,039	470	99		536
Urban 33 3,056 4,233 8.25 3,296 4,123 794 233 Touril 31 3,656 3,096 4,433 8.25 1,289 5,256 1,261 233 Touril 116 3,831 3,947 5,594 1,377 3,849 5,226 4,201 203 30 Urban 44 3,95 4,39 5,574 4,37 2,076 3,096		Lota	0.7	1,26,1		1.50	191	552	551		1,103	467			467
Rural 31 3,052 3,575 5,574 1,377 3,849 5,226 1,261 233 Hohan 416 395 439 5,17 246 245 429 202 30 Rural 9 1,344 1,377 2,010 255 1,624 1,388 262 30 Tohal 75 677 72 9,137 442 442 368 262 Rural 75 2,075 2,156 2,717 443 2,102 2,545 368 262 Purban 1,4 1,24 1,785 447 2,102 2,455 368 262 Tohal 1,2 1,785 1,785 1,786 1,240 1,240 1,240 Loban 1,4 1,400 1,4 1,410 1,724 2,36 2,38 Loban 1,4 1,410 1,424 1,424 1,424 1,424 1,424 Loban 1,4 <th< td=""><td></td><td>Orban</td><td>S</td><td>00/</td><td></td><td>1986</td><td>4 433</td><td>828</td><td>3.298</td><td></td><td>4,123</td><td>794</td><td>233</td><td></td><td>1.027</td></th<>		Orban	S	00/		1986	4 433	828	3.298		4,123	794	233		1.027
Total 116 3.831 3.944 3.534 1.777 1.777 1.777 1.777 1.777 1.777 1.777 1.777 1.779 2.010 2.55 1.524 4.91 2.02 3.0 Rural 5.3 1.744 1.797 2.010 2.55 1.654 1.388 3.68 262 3.0 Urban 7.5 1.388 1.785 4.42 8.85 3.68 262 Rural 7.5 2.150 2.717 4.43 1.660 1.660 2.545 3.68 262 Urban 1.4 1.206 1.785 1.785 1.785 2.245 3.68 262 Urban 1.4 1.410 1.424 1.196 1.724 1.386 3.53 1.402 1.785 3.53 Urban 2.1 2.4 1.366 2.458 6.25 1.681 2.306 5.81 Urban 2.18 1.4 1.2 1.4 1.4 2.4	Saint Bernard	Rural	31	3,005	†	2,030	2000	1 277	1 840		5 226	1.261	233		1.494
Urban 44 395 1,489 1,279 2.74 2.75 3.6 3.0 Rural 51 445 1,279 2.010 2.55 1,624 1,378 3.0 Rural 75 677 1,398 1,785 443 442 885 3.68 2.62 Potal 75 2,075 2,150 2.717 443 1,276 1,680 1,680 2.62 3.0 Potal 75 2,075 2,150 2,717 443 2,102 2,545 3.68 2.62 Purban 14 1,240 1,386 1,586 1,286 1,286 2,248 2,248 Liban 44 393 4,47 2,71 2,71 2,246 2,346		Total	116	3,831		198,5	2.594	776.1	246		491	202			202
Rural 9 1,349 1,358 1,492 2 1,379 2,010 2.55 1,572 2,010 2.55 1,572 2,022 3.0 Total 75 1,797 2,010 2.55 1,622 1,885 3.68 2.62 Rural 75 2,075 2,150 2,717 442 2,102 2,545 3.68 2.62 Rural 14 1,24 1,386 1,386 1,386 1,386 2,717 442 1,246 1,246 3.53 Urban 14 1,24 1,398 2,032 2,476 2,72 2,71 2,424 3.53 Urban 2,156 1,596 1,596 3,573 4,695 3,53 1,410 1,763 3,53 Urban 2,18 1,960 2,178 2,953 1,402 2,306 3,39 3,73 4,695 873 3,493 4,366 3,39 3,402 2,270 2,704 2,306 2,38 2,		Urban	4	395		439	710	0#7	020.		1 389	i	30		30
Total 53 1,744 1,797 2,010 255 1,624 1,657 2022 2022 1,624 1,659 2022 2022 243 2442 1,659 262 262 Urban 75 2,075 2,178 1,785 1,786 1,660 1,660 2,545 368 262 Urban 14 1,24 1,785 1,785 1,77 443 2,102 2,545 368 262 Rural 1,286 1,286 1,082 1,180 1,286 1,286 1,286 1,286 1,286 1,410 1,442 1,410 1,442 1,410 1,442 1,410 1,442 1,410 1,442 1,410 1,442 1,410 1,442 1,410 1,442 1,410 1,442 1,410 1,442 1,410 1,442 1,410 1,442 1,410 1,442 1,410 1,442 1,410 1,442 1,410 1,442 1,410 1,424 1,403 1,410 <td< td=""><td>San Francisco</td><td>Rura</td><td>6</td><td>1,349</td><td></td><td>1,358</td><td>1,493</td><td>7</td><td>7,5/5</td><td></td><td>000.</td><td>CVC</td><td>30</td><td></td><td>222</td></td<>	San Francisco	Rura	6	1,349		1,358	1,493	7	7,5/5		000.	CVC	30		222
Urban 75 677 752 932 443 442 885 368 262 Rural 1,398 1,588 1,785 443 1,660 1,660 1,660 2,622 Total 1,398 1,785 1,786 1,786 3,622 368 262 Total 1,286 1,286 1,032 1,410 1,424 1,386 2,717 443 2,142 1,286 Total 1,410 1,440 1,424 1,130 14 1,410 1,424 2,288 2,288 Urban 44 393 4,37 572 272 271 2,436 823 1,543 Rural 1,595 1,595 1,896 2,523 1,402 2,366 823 1,543 Total 2,52 2,178 2,953 1,402 2,366 829 1,54 Rural 3,6 1,596 2,273 4,402 2,36 2,276 2,276 2,276		E C	53			1,797	2,010	255	1,624		1.8/9	707	30		376
Urban 1,388 1,785 1,785 1,660 1,660 2.22 Total 1,28 2,150 2,102 2,545 368 262 Total 1,28 1,286 1,286 1,286 1,286 1,286 2,717 443 2,186 2,245 368 262 Rural 1,4 1,410 1,424 1,180 1,424 1,386 3,53 1,410 1,424 2,286 Urban 44 1,385 2,032 2,468 625 1,681 2,306 581 Urban 218 1,986 2,032 2,468 625 1,681 2,306 581 Urban 218 3,373 4,695 873 1,402 2,306 581 Rural 36 3,373 4,695 873 3,493 4,366 839 154 Urban 1,986 2,032 2,448 2,276 2,276 2,274 2,214 2,246 2,276 2,276<		11.	7,5	L		752	932	443	442		885	368			200
Rural 75 2,075 2,150 2,717 443 2,102 2,545 368 262 Urban 14 1,286 1,286 1,286 1,286 1,286 1,286 Rural 14 1,286 1,286 1,052 1,410 1,424 1,190 14 1,410 1,424 1,190 14 1,410 1,424 1,190 14 1,410 1,424 1,190 14 1,410 1,424 1,190 14 1,410 1,424 1,190 14 1,410 1,424 1,190 14 1,410 1,424 1,190 14 1,410 1,424 1,190 1,410 1,424 1,424 1,190 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,410 1,424 1,410			?	l		1.398	1,785		1,660		1,660		262		707
ando Rural 14 124 124 138 14 124 138 14 124 138 14 124 1386 1,052 1,286 1,283 2.28 2.28 2.28 2.28 2.28 2.28 2.33 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 2.22 271 2.43 2.28 2.28 2.28 2.28 2.28 2.28 2.33 2.34 2.	San Juan (Cabalian)	Kura F	34			2.150	2.717	£	2,102		2,545	368	262		630
Oppus Rural Total 1,586 1,286 1,052 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,286 1,282 1,190 14 1,410 1,424 223 272 272 271 543 228 233 233 2,632 2,468 625 1,681 2,306 581 2,336 1,896 2,373 4,695 873 1,402 2,306 1,185 1,54 1,56 2,317 2,523 1,402 2,306 1,185 1,54 1,56 2,317 2,468 625 1,681 2,306 1,896 2,313 4,695 873 3,493 4,366 839 1,54 1,185 1,54 1,185 1,54 1,185 1,54 1,185 1,54 1,54 1,185 1,54 1,54 1,54 1,24 1,24 1,24 1,24 1,24 1,24 1,24 1,24 1,24 1,24 1,24 1,24 1,2		reso.		1		138	138	14	124		138	:			
Total 14 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,424 1,410 1,763 353 1,410 1,763 353 1,410 1,763 353 1,410 1,763 353 1,410 1,763 353 1,410 1,764 1,886 1,886 2,032 2,468 625 1,681 2,306 581 1,856 1,185 1,860 1,185 1,860 1,185 1,860 1,185 1,860 1,185 1,1402 1,185 1,18		Cross	*			1 284	1 052		1.286		1,286				
Total 14 1,410 437 572 272 271 543 228 Wral 44 393 437 572 272 271 543 236 Fural 44 1,585 1,896 353 1,410 1,763 353 1 Total 2,186 2,032 2,468 625 1,681 2,306 581 5 Urban 2,186 2,032 2,468 625 1,692 2,805 1,185 154 Oppus Rural 3,493 3,493 4,366 839 154 Oppus Rural 368 3,373 4,695 873 3,493 4,366 839 154 Oppus Rural 368 3,791 4,695 2,276 4,895 7,171 2,024 154 Oppus Rural 36 1,996 2,032 2,441 36 2,254 2,174 2,174 2,11 Oppus <th< td=""><td>San Ricardo</td><td>Kura</td><td></td><td></td><td></td><td>1 424</td><td>180</td><td>14</td><td>1410</td><td></td><td>1,424</td><td></td><td></td><td></td><td></td></th<>	San Ricardo	Kura				1 424	180	14	1410		1,424				
Curban 44 355 1,595 1,896 353 1,410 1,763 353 Fotal 44 1,988 2,032 2,468 625 1,681 2,306 581 Curban 218 1,960 2,178 2,953 1,403 2,805 1,185 Rural 34 3,339 3,373 4,695 873 3,493 4,366 839 154 Coppus Rural 252 5,299 5,551 7,648 2,276 4,895 7,171 2,024 154 Oppus Rural 36 1,996 2,411 2,032 2,441 36 2,234 2,171 2,024 154 Coppus Rural 36 1,996 2,411 2,908 2,836 2,456 2,714 2,11 2,136 3,882 2,862 Urban 1,908 17,832 2,411 2,032 12,411 12,599 2,456 2,714 2,11 2,1560 18,572		lotal	†			757	22.5	272			543	228			228
Kural 44 1,988 2,032 2,468 625 1,681 2,306 581 Curban 218 1,960 2,178 2,953 1,403 1,402 2,805 1,185 Rural 34 3,339 3,373 4,695 873 3,493 4,366 839 154 Oppus Rural 252 5,299 2,551 7,648 2,276 4,895 7,171 2,024 154 Oppus Rural 36 1,996 2,032 2,441 36 2,234 2,174 2,11 2,024 138 Cotal 47 2,364 2,411 2,908 2,586 2,456 2,714 2,11 2,138 Urban 1,908 17,832 19,740 26,225 12,411 12,509 24,920 10,503 Urban 2,09 40,979 41,248 51,335 6,161 42,599 48,760 5,892 2,862 Total 2,171 2,171 <td>•</td> <td>Urban.</td> <td>\$</td> <td></td> <td>1</td> <td>1 505</td> <td>1 896</td> <td>353</td> <td></td> <td></td> <td>1,763</td> <td>353</td> <td></td> <td></td> <td>353</td>	•	Urban.	\$		1	1 505	1 896	353			1,763	353			353
Oppus Rural Total 2.5 1.403 1.402 2.805 1.185 Oppus Rural Total 2.3 3.373 4.695 873 3,493 4,366 829 154 Oppus Rural Total 2.5 5.299 2.551 7.648 2.276 4,895 7,171 2,024 154 Oppus Rural Rural Total 36 1,996 2,032 2,441 36 2,234 2,171 2,11 2,38 Oppus Total Rural Tota	Silago	Kura	*			2030	2.468	625			2,306	581			581
Oppus Rural 218 1,500 2,17 4,695 873 3,493 4,366 839 154 Popus Total 252 5,299 5,551 7,648 2,276 4,895 7,171 2,024 154 Oppus Rural 36 1,996 2,032 2,441 36 2,234 2,171 2,11 238 Oppus Rural 36 1,996 2,411 2,908 2,586 2,234 2,714 211 238 Oppus Total 47 2,364 2,411 2,908 2,586 2,456 2,714 211 238 Urban 1,908 17,832 19,740 26,225 12,411 12,509 24,920 10,503 2,862 Vincial Total Rural 269 40,979 41,248 77,560 18,572 55,108 73,680 16,395 2,862		g S	1			2 178	2.053	1 403	1.402		2,805	1,185			1.185
Rural 34 3,339 2,370 7,648 2,276 4,895 7,171 2,024 154 Total 252 5,299 5,551 7,648 2,276 4,895 7,171 2,024 154 Oppus Rural 36 1,996 2,032 2,441 36 2,234 2,270 2,714 211 238 Oppus Rural 47 2,364 2,411 2,908 2,586 2,456 2,714 211 238 Urban 1,908 17,832 19,740 26,225 12,411 12,509 24,920 10,503 Vincial Total Rural 269 40,979 41,248 51,335 6,161 42,599 48,760 5,892 2,862 Total 2,177 58,811 60,988 77,560 18,572 55,108 73,680 16,395 2,862		E C	\$17			3 277	207 V	ŝ	3 493		4.366	839	154		566
Total 252 5,299 5,551 7,048 4,270 4,075 7,14 2,11 2,38 Oppus Rural 36 1,996 2,032 2,441 36 2,234 2,774 211 238 Oppus Rural 36 1,996 2,411 2,908 2,586 2,456 2,774 211 238 Urban 1,908 17,832 19,740 26,225 12,411 12,509 24,920 10,503 Vincial Total Rural 269 40,979 41,248 51,335 6,161 42,599 48,760 5,892 2,862 Total 2,177 58,811 60,988 77,560 18,572 55,108 73,680 16,395 2,862	Sogod	Rural	34	c,			CÁP F	7266	١		7171	2 024	154		2.178
Urban 11 368 379 467 222 2424 2424 2424 2424 2424 2424 2424 24270 211 238 Total 47 2,364 2,411 2,908 2,584 2,714 211 238 Urban 1,908 17,832 19,740 26,225 12,411 12,509 24,920 10,503 Total 269 40,979 41,248 51,335 6,161 42,599 48,760 5,892 2,862 Total 2,177 58,811 60,988 77,560 18,572 55,108 73,680 16,395 2,862	•	Total	252			1555	3,040	0/7/7			777	116			211
Rural 36 1,996 2,032 2,441 36 2,534 2,270 211 2,58 Total 47 2,364 2,411 2,908 2,58 2,456 2,714 211 2,38 Urban 1,908 17,832 19,740 26,225 12,411 12,509 24,920 10,503 2,862 Total 269 40,979 41,248 51,335 6,161 42,599 48,760 5,892 2,862 Total 2,177 58,811 60,988 77,560 18,572 55,108 73,680 16,395 2,862		Urban	11	368		379	467	777	777			7117	200		326
Total 47 2.364 2.411 2.908 2.58 2.456 2.714 2.11 2.50 Urban 1.908 17,832 19,740 26,225 12,411 12,509 24,920 10,503 2.862 Total 2.05 40,979 41,248 51,335 6,161 42,599 48,760 5,892 2.862 Total 2.177 58,811 60,988 77,560 18,572 55,108 73,680 16,395 2.862	Tomas Onnits	2	36			2,032	2,441	36	2,234		7,7,7	1,7	3000		077
Urban 1.908 17,832 19,740 26,225 12,411 12,509 24,920 10,503 Rural 2.69 40,979 41,248 51,335 6,161 42,599 48,760 5,892 2.862 Total 2,177 58,811 60,988 77,560 18,572 55,108 73,680 16,395 2.862	ended cause	100	47	L		2,411	2,908	258	2,456		2,714	117	QC7		<u> </u>
Close 1,576 1,524 1,248 51,335 6,161 42,599 48,760 5,892 2,862			800	L		19,740	26,225	12.411	12,509		24,920	_			10,503
Rural 2,177 58,811		Oroan	976			41 248	51 335	6.161	42.599		48,760				8.754
21// 35.011	Provincial Total	Rura	407			880 09	77.560	8.572	\$5,108		73.680				19.257
		Total	7,11,7			100.00 100.00	2.2.2.								

Table 8.5.6 Additional Number of Public School Students to be Served in Phases I and II (School Toilets)

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			Phase I Cov	Phase I Coverage (2004)	D. 22.22.00	Phase II Coverage (2010)	erage (2010)
Name of Municipality	Std. No. of Fublic School Student that can be Served in the Base Year (1998)	Projected No. of Public School Student in 2004	Public School Students Coverage	Additional No. of Public School Student to be Served	Number of Public School Stadents in 2010	Public School Students Coverage	Additional No. of Public School Students to be Served
Anahawan	1,189	1,114	1,114		1,040	1,040	
Bontoc	3,600	6,603	4,500	006	6,457	6,134	1.634
Hinunangan	4,600	360'5	4,705	501	5,054	4.801	96
Hinundayan	1,800	2,495	2,140	-340	2,591	2,461	321
Libagon	2,320	2,464	2,371	51	7,386	2.267	
Liloan	4,333	3,728	3,728	(509)	3.536	3.536	
Limasawa	1,200	1,375	1,359	651	1,445	1,373	14
Maasin (Capital)	6,360	14,130	11,685	2,325	13,988	13,289	1.604
Macrobon	4,000	4,678	4,296	296	4,627	4,396	100
Malitbog	3,280	4,038	3,830	955	4,582	4.353	523
Padre Burgos	1,120	1,879	1,576	456	1,914	1.818	242
Pintuyan	1,668	1,834	1,706	38	1,981	1.882	176
Saint Bernard	4,641	4,886	4,741	100	4,976	4,727	
San Francisco	2,160	2,130	2,360	200	1.762	1,762	
San Juan (Cabalian)	1,920	2.709	2,289	. 69 £	2,805	2,665	376
San Ricardo	2,260	1,694	1,694	(995)	1,277	1,277	200
Silago	2,102	2,273	2,149	7.5	2,407	2.287	138
Sogod	5,760	7,642	6,801	1,041	7,149	6.792	
Tomas Oppus	3.056	3,118	3,456	700	3,017	3,017	
Provincial Total	698'09	73,888	66.500	6,131	72.994	(69.877)	5.224

Table 8.5.7 Additional Number of Public Utilities with Sanitary Tollets in Phase I and II

Type No. of PU No. of PU Add'1 No. of PU			Coverage it	Coverage in Base Year		Phase I Coverage			Phase I Coverage	
Type			(1)	(86)		(2004)			(2010)	
Public Market Public Marke	Name of	Type	No. of PU	No. of PU	No. of PU	Add'l. No. of Public Utilities	No. of PU	No. of PU	Add'l. No. of Public Utilities	No. of PU with Sanitary
Public Market	A CONTRACTOR OF THE PARTY OF TH		with Toilets Facilities	with Sanitary Toilets	Facilities	with Sanicary Toilets	Toilets	Facilities	with Sanitary Toilets	Toilets
Bus/Jeepney Terminal 1 1 1 1 1 1 1 1 1		Dublic Market					1	-	:	1
Parks/Playground		Bus/feenney Terminal								
Total Fubic Market 1 1 2 1 2	Anahawan	Parks/Plavoround								
Public Market 1 1 2 1 2 Bus/Jeepney Terminal 1 1 2 1 2 Public Market 1 1 1 2 1 2 Public Market 1 1 1 2 1 1 3 Public Market 1 1 1 1 1 1 1 1 1 Public Market 1 1 1 1 1 1 1 1 1		Total	•				1			- (
Purks/Playground		Public Market	1	1	2		2	7	-	7
Parks/Playground		Bus/Jeeney Terminal	1.00							:
Public Market	Bontoc	Parks/Playground						· ·		c
Public Market 1		Total		1	2	-	2	7		7
Buss/Jeepney Terminal 1 1 2 1 2 Parks/Playground 2 2 3 1 3 Total		Public Market	-	1	1	: 1	-			- (
Parks/Playground 2 2 3 1 3 Total		Rue/Jemney Terminal	-	1	2	1	2	7		7
Total 2 2 3 1 1 1 1 1 1 1 1 1	Hinunangan	Parke/Playoround								
Public Market		Total	2	2	3	1	3	۱		٠,
Bus/Jeepney Terminal 1 1 1 1 1 1 1 1 1		Dublic Market		1	1		1			-
Parks/Playground		Bust feemen Terminal								
Public Market 2 2 2 2 2 2 2 2 2	Hinundayan	Perks/Plaveround		1			: :: :: :: :: ::			
Public Market	:	Total	2		.2		7	2		
Bus/Jeepney Terminal 1 1 1 2 2 2 2 2 2 2		Public Market	-	-	1		. 1			
Parks/Playground		Bus/Jeepney Terminal								
Total 2 2 2 2 2 2 2 2 2	Libagon	Parks/Playground	-	1	1			-		- (,
Public Market		Total	2	2	2		7	7		1,
Bus/Jeepncy Terminal		Public Market	1	1	2		7	. 7		3
Parks/Playground		Bus/Jeepney Terminal		-				-		
Total	Lilom	Parks/Plaveround	-	1	-			_		- <
Public Market Bus/Jeepney Terminal 2 2 2 2 Parks/Playground 2 2 2 2		Total	3	3	4		4	2		1
Bus/Jeepney Terminal 2 2 2 2 2 Parks/Playground 2 2 2 2		Public Market								
Parks/Playground 2 2 2 2 2		Bus/Jeeney Terminal						-		
2 2 2	Limasawa	Parks/Plavoround	2	2	2		7	7		7 (
		Total	2	2	2		2	2		7

Table 8.5.7 Additional Number of Public Utilities with Sanitary Toilets in Phase I and II (Cont'd)

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		Coverage is	Coverage in Base Year (1998)		Phase I Coverage (2004)	0	i	Phase I Coverage (2010)	
Name of Municipality	Туре	No. of PU with Toilets Facilities	No. of PU with Sanitary Toilets	No. of PU with Toilets Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Sanitary Toilets	No. of PU with Toilers Facilities	Add'l. No. of Public Utilities with Sanitary Toilets	No. of PU with Saaitary Tollets
	Public Market	3	3	3		3	3		3
	Bus/Jeepney Terminal	1	1	2	. 1	. 2	2		2
Maasin (Capital)	Parks/Playground	1	1	1		- 1	1.		1
	Total	S	\$	9	1	9	9		9
	Public Market								
	Bus/Jeopney Terminal			, , ,					
Macronon	Parks/Playground	1	1	1		į. I	1		1
	Total		1	r-1		1	1		• •
	Public Market		1	2	1	2	2		2
	Bus/Jeepney Terminal								
Malitbog	Parks/Playground	-		1		1	1		1
	Total	2	7	3.	1	3	3		3
	Public Market		1			1 1			
	Bus/Jeepney Terminal	1	1			1	1		1
Pagre Burgos	Parks/Playground	I	1 I	1		1	1		1
	Total	e	6	3		3	3		'n
	Public Market						1 . (Ī	1
	Bus/Jeepney Terminal					:			
Pintuyan	Parks/Playground								
	Total						1	1	1
	Public Market		1.	1		1	1	,	1
•	Bus/Jeepney Terminal	-	1	2	1	2	2		2
Saint Bernard	Parks/Playground			-		1	1]
	Total	m	3	4	1	4	4		4
	Public Market		-			-	1	1 1111	
E E	Bus/Jeepney Terminal	-	-	1		1	1		1
San Francisco	Parks/Playground	_				1			1
	Total	3	3	د		3	m		"

Table 8.5.7 Additional Number of Public Utilities with Sanitary Toilets in Phase I and II (Cont'd)

of No. of PU No. of PU Add'l. No. of PU Ities with Sanitary with Toilets Toilets Toilets 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Coverage	Coverage in Base Year		Phase I Coverage			Phase I Coverage	
Type No. of PU			(1)	. (86		(2004)			A 4441 NO OF	
Public Market Pacifices	Name of	Type	No. of PU	No. of PU	No. of PU	Add'l. No. of Public Utilities	No. of PU	No. of PU	Public Utilities	No. of PU
Public Market 1 2 2 2 <	Municipality		with Toilets Facilities	with Sanitary Tollets	with Tollets Facilities	with Sanitary Toilets	with Sanitary Toilets	with Louets Facilities	with Sanitary Toilets	Toilets
Pushic pharket Pushic Market	Dark Sin Marchaet			1		1]		-	
Public Market 1		Fuelic Market	-		: '* [. 1	1		-
Parks/Playground	San Juan (Cabalian)	Suspensy Jenning	-	-	-		1	1		1
Total Parks/Playground Par		Parks/Playground	_ ,	-	-		3	3		3
Public Market		Total	1							
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