

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)

Sheet 2 of 6

Name of Municipality	Name of Operating Body	Number of Barangay Served			Number of Households Served			Number of Population Served		
		Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
Silago	Sap-ang		1	1		155	155		528	528
	Sudmon		1	1		10	10		61	61
	Tuba-on		1	1		15	15		85	85
	Tubod		1	1		30	30		158	158
	Municipal Total	2	13	15	87	485	572	245	2,034	2,279
Sogod	Cabadbaran		1	1		20	20		97	97
	Hindangan		1	1		25	25		123	123
	Hipantag		1	1		15	15		74	74
	Kanangkaan		1	1		40	40		197	197
	Libas		1	1		60	60		295	295
	Mabicay		1	1		40	40		197	197
	Magatas		1	1		60	60		296	296
	Malinao		1	1		20	20		97	97
	Milagroso		1	1		30	30		148	148
	Olishan		1	1		40	40		197	197
	Pancho Villa		1	1		60	60		296	296
	San Juan		1	1		74	74		370	370
	San Miguel		1	1		25	25		123	123
	San Roque		1	1		15	15		74	74
	San Vicente		1	1		10	10		49	49
	Santa Maria		1	1		15	15		74	74
	Suba		1	1		175	175		863	863
	Tampoong		1	1		45	45		222	222
	Zone III	1		1	25		25	123		123
	Municipal Total	1	18	19	25	769	794	123	3,792	3,915

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)

Sheet 2 of 6

Name of Municipality	Name of Operating Body	Number of Barangay Served			Number of Households Served			Number of Population Served		
		Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
Tomas Oppus	Camansi		1	1		15	15		55	55
	Cambite					50	50		165	165
	Canlupao		3	3		17	17		56	56
	Caranaga		1	1		30	30		109	109
	Cawayan		1	1		40	40		145	145
	Higosoan		1	1		25	25		91	91
	Hinagtikan		1	1		10	10		37	37
	Hinapo		1	1		25	25		71	71
	Hugpa		1	1		30	30		80	80
	Imiguihan		1	1		20	20		63	63
	Looc		1	1		75	75		273	273
	Maanyag		1	1		25	25		71	71
	Mag-ata		1	1		205	205		745	745
	Maslog		1	1		520	520		2,085	2,085
	Ponong		1	1		155	155		552	552
	Rizal		1	1		20	20		63	63
	San Miguel		1	1		55	55		160	160
	San Roque		1	1		105	105		382	382
	San Agustin		1	1		125	125		454	454
	San Antonio		1	1		40	40		94	94
	San Isidro	1		1	50		50	143		143
Municipal Total		1	21	22	50	1,587	1,637	143	5,751	5,894
Provincial Total		15	262	277	1,005	14,682	15,687	4,729	60,922	65,651

Table 4.1.2 Details on Existing Level II Systems
Sheet 3 of 6

Name of Municipality	Name of Operating Body	Service Conditions During Dry Season								Supply Water Pressure (% of total)	
		Supply (Hrs/day)	Dirty Water ¹	Taste or Smell ²	Supply Interruption (number/month)				Others		
					Power Failure	Pump Breakdown	Pipe Burst				
Anahawan	Calintaan BWSA	24									
	Capacuhan BWSA	24									
	Kagingkingan BWSA	24									
	Mamit BWSA	24									
	Manigawong	24									
	Anahao WS	24									
Bontoc	Catoogan WS										
	Cavayan WWS	24									
	Dao WS										
	Hibagwan WWS	24									
	Hilaan WS	15									
	Malbago WS	12									
	Maaylab WS	24									
	Taa WS	24									
	Bugho WS	18									
	Calag-itan WS	16									
Hinunangan	Ilaya WS	16									
	Ingan WS	18									
	Libas WS	16									
	Matin-ao WS	16									
	Nava WS	18									
	Nueva Esperanza WS										
	Palongpong WS	16									
	Pondol WS	18									
	Sto. Niño II WS	18									
	Tuburan WS	16									

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)

Sheet 3 of 6

Name of Municipality	Name of Operating Body	Service Conditions During Dry Season									
		Supply (Hrs/day)	Dirty Water ¹	Taste or Smell ²	Supply Interruption (number/month)			Supply Water Pressure (% of total)			
					Power Failure	Pump Breakdown	Pipe Burst	Others	Adequate	Inadequate	
Hinundayan	Amaga BWSA	24									
	Ambao BWSA	24									
	Biasong BWSA	24									
	Bugho BWSA	24									
	Cabulisan BWSA	24									
	Hubasan BWSA	24									
	Plaridel WS	24									
	Sagbok BWSA	24									
	Biasong WS	24									
	Gakat, Nahaong and Nahulid	24									
Libagon	Libagon WS	24									
	Magkasag WS	24									
	Mayuga WS	24									
	Onkon WS	24									
	Pangi	24									
	Anilao WW	24									
	Bahay WS										
	Cagbungalon-Gudan WS	24									
	Caligangan WS										
	Candayuman WS										
Liloan	Catig WS										
	Estela WS	24									
	Guinoylan WS										
	Magaupas WS	24									
	Maugoc WS										
	Pandan WS										

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 3 of 6

Name of Municipality	Name of Operating Body	Supply (Hrs/day)	Dirty Water ¹	Taste or Smell ²	Service Conditions During Dry Season				Supply Water Pressure (% of total)	
					Power Failure	Pump Breakdown	Pipe Burst	Others	Adequate	Inadequate
Liloan	Pres. Roxas WS									
	San Isidro WS	24								
	San Roque WS	24								
	Tabugon WS									
Limasawa	Lugsongan BWSA	12								
	Magallanes BWSA	18								
	SARWASA	6								
	Abgao WWS	24								
Maasin (Capital)	Asuncion									
	Badiang	8								
	Basak									
	Bato I	8								
	Bato II									
	Batuan	10								
	Baugo									
	Bogo	8								
	Cabadiagan	12								
	Cagnituan	12								
	Cansirong	8								
	Canuring									
	Canyuon	10								
	Combado									
	Guadalupe									
	Hanginan	10								
	Hinapu Daku	10								
	Hinapu Gamay	8								

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 3 of 6

Name of Municipality	Name of Operating Body	Service Conditions During Dry Season									
		Supply (Hrs/day)	Dirty Water	Taste or Smell ²	Supply Interruption (number/month)				Supply Water Pressure (% of total)		
					Power Failure	Pump Breakdown	Pipe Burst	Others	Adequate	Inadequate	
Maasin (Capital)	Ibarra										
	Lanao	10									
	Libertad	10									
	Libhu	12									
	Lonoy	10									
	Lunas										
	Mahaybay										
	Malapoc Norte										
	Mambajao										
	Manhilo										
	Manahan										
	Matin-ao										
	Nani										
	Nonok Norte										
	Nonok Sur										
	Pansaan										
	Pinasakuhan										
	Rizal										
	San Agustin										
	San Isidro										
	San Jose										
	Soro-soro										
	Sta. Cruz										
	Sta. Rosa										
	Sto. Niño										
	Sto. Rosario										

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 3 of 6

Name of Municipality	Name of Operating Body	Service Conditions During Dry Season							Supply Water Pressure (% of total)	
		Supply (Hrs/day)	Dirty Water ¹	Taste or Smell ²	Power Failure	Pump Breakdown	Pipe Burst	Others	Adequate	Inadequate
Maasin (Capital)	Taguipa									
	Tam-is									
	Tigbawan									
	Tomoy-tomoy									
	Tunga-tunga									
Macrohon	Danao WWS	24								
	Laray WWS	16								
	San Joaquin WS	18								
	San Roque WWS	14								
	Sindangan WWS	22								
	Sto. Niño WWS	20								
	Macrohon WWS	16								
	Aurora BWSA	24								
	Caaga BWSA	24								
Malitbog	Cadaruhan Norte BWSA	24								
	Cadaruhan Sur BWSA	24								
	Carataan BWSA	24								
	Fatima BWSA									
	Gunabonan BWSA	24								
	Iba BWSA	24								
	Kauswagan BWSA	24								
	Lambonao BWSA	24								
	Mahaybay BWSA	24								
	Maningning BWSA	24								
	Maujo BWSA	24								
	New Katipunan BWSA	24								

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 3 of 6

Name of Municipality	Name of Operating Body	Service Conditions During Dry Season							
		Supply (Hrs/day)	Dirty Water ¹	Taste or Smell ²	Supply Interruption (number/month)				Supply Water Pressure (% of total)
					Power Failure	Pump Breakdown	Pipe Burst	Others	
Malibog	Pancil BWSA	24							
	San Vicente BWSA	24							
	Sangahon BWSA	24							
	Sta. Cruz BWSA	24							
	Sto. Niño BWSA	24							
	Tigbawani BWSA	24							
	Timba BWSA	24							
Padre Burgos	Bunga WS	24							
	Canutang WS	24							
	San Juan WS	24							
	Sto. Rosario WS	24							
	Badiang WWS	24							
	Balongbalong WWS	24							
	Buenavista WWS	24							
Pinarayan	Bulawan WWS	24							
	Catbawan WWS	24							
	Cauabang WWS	24							
	Cogon WWS	24							
	Dan-an WWS	24							
	Lobo WWS	24							
	Mainit WWS	24							
	Nva. Estrella Norte WWS	24							
	Nva. Estrella Sur WWS	24							
	P.D. Equipilag WWS	24							
	Son-ok I WWS	24							

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 3 of 6

Name of Municipality	Name of Operating Body	Service Conditions During Dry Season							Supply Water Pressure (% of total)	
		Supply (Hrs/day)	Dirty Water ¹	Taste or Smell ²	Supply Interruption (number/month)					
					Power Failure	Pump Breakdown	Pipe Burst	Others	Adequate	Inadequate
Pinuyan	Son-ok II WWS	24								
	Taung WWS	24								
	Ayahag BWSA	24								
Saint Bernard	Camaga WWS	24								
	Guinsaugon BWSA	24								
	Himos-onan BWSA	24								
	Magatas BWSA	24								
	Panian BWSA	24								
	Sta. Cruz WWS	24								
	Sug-angon WWS	24								
	Anislagon WS	24								
	Bongawisan WS	24								
	Bongbong WS	24								
San Francisco	Cahayag WS	24								
	Cuasi WS	24								
	Gabi WS	24								
	Habay WS	24								
	Malico WS	24								
	Marayag WS	24								
	Pasanon WS	24								
	Pinamudlan WS	24								
	Punta WS	24								
	Sta. Cruz WS	24								
	Sta. Paz Norte WS	24								
	Sta. Paz Sur WS	24								
	Sudmon WS	24								

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 3 of 6

Name of Municipality	Name of Operating Body	Supply (Hrs/day)	Dirty Water ¹	Taste or Smell ²	Service Conditions During Dry Season				Supply Water Pressure (% of total)	
					Power Failure	Pump Breakdown	Pipe Burst	Others	Adequate	Inadequate
San Francisco	Tinaan WS	24								
	Tuno WS	24								
	Agay-ay BWSA	12								
	Basak BWSA	24								
	Bobon A BWSA	24								
	Bobon B BWSA	24								
	Dayanog BWSA	24								
	Garrido BWSA	24								
	Minoyho BWSA	20								
	Osao BWSA	24								
	Pong-oy BWSA	24								
	San Roque BWSA	24								
	San Vicente BWSA	24								
	Somoje BWSA	24								
San Ricardo	Sta. Filomena BWSA	24								
	Sua BWSA									
	Timba BWSA	24								
	Esperanza WS									
	Kinachawa WS									
	Lo-oc WS									
	Malingin Mun. WS	12								
	Pinut-an WS									
	Private Land WS									
	San Ramon WS									
	Saub WS									
	Timba-Camang WS									

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)

Sheet 3 of 6

Name of Municipality	Name of Operating Body	Service Conditions During Dry Season								Supply Water Pressure (% of total)	
		Supply (Hrs/day)	Dirty Water ¹	Taste or Smell ²	Supply Interruption (number/month)			Others	Adequate	Inadequate	
					Power Failure	Pump Breakdown	Pipe Burst				
Siliago	Balagawan										
	Catmon										
	Hingatungan										
	Imelda										
	Katipunan										
	Laguna										
	Mercedes										
	Pob. District I										
	Pob. District II										
	Puntana										
	Salvacion										
	Sap-ang										
	Sudmon										
	Tuba-on										
Tubod											
Sogod	Cabadbaran	24									
	Hindangan	24									
	Hipantag	24									
	Kanangkaan	24									
	Libas	24									
	Mabica	24									
	Magatas	24									
	Malinao	24									
	Milagroso	24									
	Olisihan	24									
	Pancho Villa	24									

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 3 of 6

Name of Municipality	Name of Operating Body	Service Conditions During Dry Season							Supply Water Pressure (% of total)	
		Supply (Hrs/day)	Dirty Water ¹	Taste or Smell ²	Power Failure	Pump Breakdown	Pipe Burst	Others	Adequate	Inadequate
Sogod	San Juan	24								
	San Miguel	24								
	San Roque	10								
	San Vicente	24								
	Santa Maria	24								
	Suba	24								
	Tampoong	10								
	Zone III	4								
	Camansi	24								
	Cambite									
Tomas Oppus	Canlupao	17								
	Caranaga	24								
	Cawayan	24								
	Higosoan									
	Hinagnikan	24								
	Hinapo	24								
	Hugpa	24								
	Iniguihan	17								
	Looc	24								
	Maanyag	24								
	Mag-ara	24								
	Maslog	24								
	Ponong	24								
	Rizal	24								
	San Miguel	24								
	San Roque	24								
	San Agustin	24								
	San Antonio	24								
	San Isidro	24								

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
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Name of Municipality	Name of Operating Body	Service Conditions During Dry Season							Supply Water	
		Supply (Hrs/day)	Dirty Water ¹	Taste or Smell ²	Power Failure	Pump Breakdown	Pipe Burst	Others	Pressure (% of total)	Adequate Inadequate
Sogod	San Juan	24								
	San Miguel	24								
	San Roque	10								
	San Vicente	24								
	Santa Maria	24								
	Suba	24								
	Tampoong	10								
	Zone II	4								
	Camansi	24								
	Cambite									
Tomas Oppus	Canlupao	17								
	Canaga	24								
	Cawayan	24								
	Higosoan									
	Hinagtakan	24								
	Hinapo	24								
	Hugpa	24								
	Inguihan	17								
	Looc	24								
	Maanyag	24								
	Mag-ata	24								
	Maslog	24								
	Ponong	24								
	Rizal	24								
	San Miguel	24								
	San Roque	24								
	San Agustin	24								
	San Antonio	24								
	San Isidro	24								

Note: 1. Dirty Water: E - Everyday, OW - Once a week, OM - Once a month, O - Occasional.
2. Taste or Smell: G - Good taste, S - Salty, W - Wood taste, M - Metallic taste, O - Others.

Table 4.1.2 Details on Existing Level II Systems
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Name of Municipality	Name of Operating Body	Technical Staff	Administrative Staff	Collector	Total Number of Staff	Number of Staff			
						Local Traders	MEO/CEO	PEO	Others
Anahawan	Calintaan BWSA					✓			
	Capacuhan BWSA					✓			
	Kagingkingan BWSA					✓			
	Mamit BWSA					✓			
	Manigawong					✓			
Bontoc	Anahao WS	1	7	2	10				Brgy. Off.
	Catoogan WS					✓			
	Cawayan WWS					✓			
	Dao WS					✓			
	Hibagwan WWS					✓			Brgy. Off.
	Hilaan WS					✓			
	Malbago WS					✓			
	Maaylab WS			1	1	✓			
	Taa WS	10	5	7	22				Brgy. Off.
	Bugho WS			1	1	✓			
Hinunangan	Calag-itan WS			1	1	✓			
	Ilaya WS			1	1	✓			
	Ingan WS			1	1	✓			
	Libas WS					✓			
	Matin-ao WS			1	1	✓			
	Nava WS			1	1	✓			
	Nueva Esperanza WS			1	1	✓			
	Palongpong WS			1	1	✓			
	Pondol WS			1	1	✓			
	Sto. Niño II WS			1	1	✓			
	Tuburan WS			1	1				

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 4 of 6

Name of Municipality	Name of Operating Body	Number of Staff					Repair Work		
		Technical Staff	Administrative Staff	Collector	Total Number of Staff	Local Trademan	MEO/CEO	PEO	Others
Hinundayan	Amaga BWSA			2	2	✓			
	Ambao BWSA			2	2	✓			
	Biasong BWSA			2	2	✓			
	Bugho BWSA			2	2	✓			
	Cabulisan BWSA			2	2	✓			
	Hubasan BWSA			2	2	✓			
	Plaridel WS			2	2	✓			
	Sagbok BWSA			2	2	✓			
Libagon	Biasong WS	1		1	2	✓			
	Gakat, Nahaong and Nahulid	1		1	2	✓			
	Libagon WS	3	2	1	6		✓		
	Magkasag WS			1	1	✓			
	Mayuga WS			1	1	✓			
	Onkon WS	1		1	2	✓			
	Pangi	1		1	2	✓			
	Anilao WW	1	1	1	3				
Liloan	Bahay WS								
	Cagbungan-Gudan WS								
	Caligangan WS								
	Candayuman WS								
	Catig WS								
	Estela WS			1	1				Brgy.
	Guimotyan WS								
	Magaupas WS								
	Maugoc WS								
	Pandan WS								
	Pres. Roxas WS								

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
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Name of Municipality	Name of Operating Body	Number of Staff					Repair Work		
		Technical Staff	Administrative Staff	Collector	Total Number of Staff	Local Trademan	MEO/CEO	PEO	Others
Liloan	San Isidro WS								Brgy.
	San Roque WS								Brgy.
	Tabugon WS								
Limasawa	Lugsongan BWSA					✓			
	Magallanes BWSA					✓			
	SARWASA	2	13	3	18	✓	✓		
Maasin (Capital)	Abgao WWS								
	Asuncion								
	Badiang								
	Basak								
	Bato I								
	Bato II								
	Batuan								
	Baugo								
	Bogo								
	Cabadiagan								
	Cagnituan								
	Cansirong								
	Canturing								
	Canyuom								
	Combado								
	Guadalupe								
	Hanginan								
Hinapu Daku									
Hinapu Gamay									
Ibarra									
Lanao									

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)

Sheet 4 of 6

Name of Municipality	Name of Operating Body	Number of Staff					Repair Work		
		Technical Staff	Administrative Staff	Collector	Total Number of Staff	Local Trademan	MEO/CEO	PEO	Others
Maasin (Capital)	Libertad								
	Libhu								
	Lonoy								
	Lunas								
	Mabayhay								
	Malapoc Norte								
	Mambajao								
	Manhilo								
	Mantahan								
	Matin-ao								
	Nani								
	Nonok Norte								
	Nonok Sur								
	Pansaan								
	Pinaskuhan								
	Rizal								
	San Agustin								
	San Isidro								
	San Jose								
	Soro-soro								
	Sta. Cruz								
	Sta. Rosa								
	Sto. Niño								
	Sto. Rosario								
	Tagnipa								
	Tam-is								
	Tigbawan								

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 4 of 6

Name of Municipality	Name of Operating Body	Number of Staff					Repair Work		
		Technical Staff	Administrative Staff	Collector	Total Number of Staff	Local Trademan	MEO/CEO	PEO	Others
Maasin (Capital)	Tomoy-tomoy								
	Tunga-tunga								
Macrohon	Danao WWS					✓			
	Laray WWS					✓	✓		
	San Joaquin WWS			1	1	✓			
	San Roque WWS	5	2	3	10		✓		
	Sindangan WWS					✓			
	Sto. Niño WWS			1	1	✓	✓		
Malitbog	Macrohon WWS						✓		
	Aurora BWSA					✓	✓	✓	Brgy. Off.
	Caaga BWSA					✓	✓	✓	Brgy. Off.
	Cadaruban Norte BWSA								Brgy. Off.
	Cadaruban Sur BWSA					✓	✓		Brgy. Off.
	Carataan BWSA					✓	✓		Brgy. Off.
	Fatima BWSA								
	Guinabonan BWSA								Brgy. Off.
	Iba BWSA					✓	✓		Brgy. Off.
	Kauswagan BWSA					✓	✓		Brgy. Off.
	Lambonao BWSA					✓	✓		Brgy. Off.
	Mahaybay BWSA					✓	✓	✓	Brgy. Off.
	Maningning BWSA					✓	✓		Brgy. Off.
	Maujo BWSA					✓	✓		Brgy. Off.
	New Katipunan BWSA					✓	✓		Brgy. Off.
	Pancili BWSA					✓	✓		Brgy. Off.
	San Vicente BWSA					✓	✓		Brgy. Off.
	Sangahon BWSA					✓	✓		Brgy. Off.
	Sra. Cruz BWSA					✓	✓	✓	Brgy. Off.

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 4 of 6

Name of Municipality	Name of Operating Body	Number of Staff					Repair Work		
		Technical Staff	Administrative Staff	Collector	Total Number of Staff	Local Tradesman	MEO/CEO	PEO	Others
Malitbog	Sto. Niño BWSA					✓	✓		Brig. Off.
	Tigbavani BWSA					✓	✓		Brig. Off.
	Timba BWSA					✓	✓		Brig. Off.
Padre Burgos	Bunga WS					✓			
	Cantutang WS					✓			
	San Juan WS					✓			
	Sto. Rosario WS					✓			
	Badiang WWS	2	4		6	✓			
Pintuyan	Balongbalong WWS	1	2		3	✓			
	Buena Vista WWS	1	2		3	✓			
	Bulawan WWS	1	2		3	✓			
	Catbawan WWS	1	2		3	✓			
	Caubang WWS	1	2		3	✓			
	Cogon WWS								
	Dan-an WWS	1	2		3	✓			
	Lobo WWS	1	2		3				
	Mainit WWS	1	2		3	✓			
	Nva. Estrella Norte WWS	1	6		7	✓			
	Nva. Estrella Sur WWS	1	6		7	✓			
	P.D. Equipilag WWS	1	2		3	✓			
	Son-ok I WWS	1	2		3	✓			
	Son-ok II WWS	1	2		3	✓			
	Tautag WWS	1	2		3	✓			
	Ayabag BWSA								
	Camaga WWS								
Saint Bernard	Guinsaugon BWSA								
	Himos-onan BWSA								

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 4 of 6

Name of Municipality	Name of Operating Body	Technical Staff	Administrative Staff	Collector	Number of Staff			
					Total Number of Staff	Local Trademan	Repair Work MEO/CEO PEO	Others
Saint Bernard	Magatas BWSA							
	Panian BWSA							
	Sta. Cruz WWS							
	Sug-angon WWS							
San Francisco	Amislagon WS							Brgy. Off.
	Bongawisan WS							Brgy. Off.
	Bongbong WS							Brgy. Off.
	Cahayag WS							Brgy. Off.
	Cuasi WS							Brgy. Off.
	Gabi WS							Brgy. Off.
	Habay WS							Brgy. Off.
	Malico WS							Brgy. Off.
	Marayag WS							Brgy. Off.
	Pasanon WS							Brgy. Off.
	Pinamudlan WS							Brgy. Off.
	Punta WS							Brgy. Off.
	Sta. Cruz WS							Brgy. Off.
	Sta. Paz Norte WS							Brgy. Off.
San Juan (Cabalian)	Sta. Paz Sur WS							Brgy. Off.
	Sudmon WS							Brgy. Off.
	Tinaan WS							Brgy. Off.
	Tuno WS			1	1			Brgy. Off.
	Agay-ay BWSA					✓		
	Basak BWSA			1	1	✓		
	Bobon A BWSA			1	1	✓		
	Bobon B BWSA			1	1	✓		
	Dayanog BWSA			1	1	✓		

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)

Sheet 4 of 6

Name of Municipality	Name of Operating Body	Number of Staff					Repair Work		
		Technical Staff	Administrative Staff	Collector	Total Number of Staff	Local Trademan	MEO/CEO	PEO	Others
San Juan (Cabalian)	Garrido BWSA			1	1	✓			
	Minoyho BWSA			1	1	✓			
	Osao BWSA			1	1	✓			
	Pong-oy BWSA			1	1	✓			
	San Roque BWSA			1	1	✓			
	San Vicente BWSA			1	1	✓			
	Somoje BWSA			1	1	✓			
	Sta. Filomena BWSA			1	1	✓			
	Sua BWSA			1	1	✓			
	Timba BWSA			1	1	✓			
	Esperanza WS					✓			
San Ricardo	Kinachawa WS					✓			
	Lo-oc WS					✓			
	Malingin Mun. WS					✓			
	Pinut-an WS					✓			
	Private Land WS					✓			
	San Ramon WS					✓			
	Saub WS					✓			
	Timba-Carnang WS					✓			
	Balagawan								
	Catmon								
	Hingatungan								
Silago	Imelda								
	Katipunan								
	Laguma								
	Mercedes								
	Pob. District I								

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 4 of 6

Name of Municipality	Name of Operating Body	Number of Staff					Repair Work		
		Technical Staff	Administrative Staff	Collector	Total Number of Staff	Local Trademan	MEO/CEO	PEO	Others
Silago	Pob. District II								
	Puntana								
	Salvacion								
	Sap-ang								
	Sudmon								
	Tuba-on								
	Tubod								
	Cabadbaran		3	1	4	✓			
Sogod	Hindangan		3	1	4	✓			
	Hipantag					✓			
	Kanangkaan			1	1	✓			
	Libas		3	1	4	✓			
	Mabicay		3	1	4	✓			
	Magatas			1	1	✓			
	Malinao					✓			
	Milagroso					✓			
	Olisihan		1		1	✓			
	Pancho Villa					✓			
	San Juan			1	1	✓			
	San Miguel					✓			
	San Roque					✓			
	San Vicente					✓			
	Santa Maria					✓			
	Suba					✓			
	Tampoong					✓			
	Zone III					✓			

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 4 of 6

Name of Municipality	Name of Operating Body	Number of Staff					Repair Work		
		Technical Staff	Administrative Staff	Collector	Total Number of Staff	Local Trademan	MEO/CEO	PEO	Others
Tomas Oppus	Camansi					✓			
	Cambite								
	Canlupao					✓			
	Caranaga					✓			
	Cawayan					✓			
	Higosoan					✓			
	Hinagtikan					✓			
	Hinapo					✓			
	Hugpa					✓			
	Imguhan					✓			
	Looc					✓			
	Maanyag					✓			
	Mag-ata								
	Maslog					✓			
	Ponong					✓			
	Rizal					✓			
	San Miguel					✓			
	San Roque					✓			
	San Agustin					✓			
	San Antonio					✓			
	San Isidro					✓			

Table 4.1.2 Details on Existing Level II Systems

Sheet 5 of 6

Name of Municipality	Name of Operating Body	Expenditures					Tariff				Average Collection Efficiency (%)		
		Annual	Wages	Fuel, Chem.	Transport	Repairs	Loan Repayment	Other	(Year)				
									Consumer Payment	Cost per Pail		Cost per Cu. HH/Mon.	
Anahawan	Calinaan BWSA	5				5							
	Capacuhan BWSA	10				10							
	Kagingkingan BWS	5				5							
	Mainit BWSA	5				5							
	Manigawong	5				5							
Bontoc	Anahao WS			9								10	
	Catoogan WS												
	Cawayan WWS												
	Dao WS					0.5	From IRA				Free		
	Hibagwan WWS					0.5					Free		
	Hilaan WS					0.8					Free		
	Malbago WS					0.5					10		
	Maunlab WS					0.6	From IRA				Free		
	Taa WS	0.75		0.5	0.5	0.5					3		
	Bugho WS	2				2					5		
Hinunangan	Calag-itan WS	0.9				0.9					5		
	Ilaya WS	0.6				0.6					5		
	Ingan WS	2				2					5		
	Libas WS	0.6				0.6							
	Mann-ao WS	0.8				0.8					5		
	Nava WS	2.7				2.7					5		
	Nueva Esperanza W	1.9				1.9					5		
	Palongpong WS	0.75				0.75					5		
	Pondol WS	1.5				1.5					5		
	Sto. Niño II WS	2				2					5		
	Tuburan WS	1.7				1.7					5		
	Amaga BWSA										10		
	Ambao BWSA										10		
Hinundayan	Biasong BWSA										10		
	Bugho BWSA										10		
	Cabulisan BWSA										10		
	Hubasan BWSA										10		
	Plaridel WS										3		
	Sagbok BWSA										14		
Libagon	Biasong WS	3									3		
	Gakat, Nahaong and	10				5					3		

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)

Sheet 5 of 6

Name of Municipality	Name of Operating Body	Expenditures					Tariff				Average Collection Efficiency (%)			
		Annual	Wages	Fuel, Chem. Mat'l.	Transport	Repairs	Loan Repayment	Other	Consumer Payment (Year)	Cost per Pail		Cost per Cu. Meter	Cost per HH/Mon.	Other
(P '000.00 / year)														
Libagon	Libagon WS	20									5			
	Magkasag WS											5		
	Mavuga WS	3											5	
	Onkon WS	1												
	Pangi	1												
Liloan	Anilao WW		1.2											
	Bahay WS													
	Cagbungalon-Gudan WS													
	Caligangan WS													
	Candayuman WS													
	Catig WS													
	Estela WS													
	Guintuyan WS													
	Magaupas WS													
	Maugoc WS													
	Pandan WS													
	Pres. Roxas WS													
	San Isidro WS													
	San Roque WS													
	Tabugon WS													
Limasawa	Lugsongan BWSA													
	Magallanes BWSA													
Maasin (Capital)	SARWASA	15	2		1	5						20		
	Abgao WWS													
	Asuncion													
	Badiang													
	Basak													
	Bato I													
	Bato II													
	Batuan													
	Baugo													
	Bogo													
	Cabadiagan													
	Cagnituan													
	Cansirong													

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 5 of 6

Name of Municipality	Name of Operating Body	Expenditures				Tariff				Average Collection Efficiency (%)				
		Annual	Wages	Fuel, Chem. Mat'l.	Transport Repairs	Loan Repayment	Other	Consumer Payment (Year)	Cost per Pail		Cost per Cu. Meter (Pesos)	Cost per HH/Mon.	Other	
Maasin (Capital)	Canturing													
	Canyuom													
	Combado													
	Guadalupe													
	Hanginan													
	Hinapu Daku													
	Hinapu Gamay													
	Ibarra													
	Lanao													
	Libertad													
	Libhu													
	Loney													
	Lunas													
	Manayhay													
	Malapoc Norte													
	Mambajao													
	Manhilo													
	Manahan													
	Mann-ao													
	Nati													
	Nonok Norte													
	Nonok Sur													
	Pansaan													
	Pinaskuhan													
	Rizal													
	San Agustin													
	San Isidro													
San Jose														
Soro-soro														
Sta. Cruz														
Sta. Rosa														
Sto. Niño														
Sto. Rosano														
Tagnipa														
Tam-is														

Table 4.1.2 Details on Existing Level II Systems (Cont'd).
Sheet 5 of 6

Name of Municipality	Name of Operating Body	Expenditures					Tariff				Average Collection Efficiency (%)		
		Annual	Wages	Fuel, Chem. Mat'l.	Transport	Repairs	Loan Repayment	Other	Consumer Payment (Year)	Cost per Pail		Cost per Cu. Meter (Pesos)	Other
Maasin (Capital)	Tigbawan												
	Tomoy-tomoy												
Macarhon	Tunga-tunga												
	Danao WWS												
	Laray WWS					1.2					20		
	San Joaquin WS	6.4											
	San Roque WWS	9.45	6	1.5						1.5	18.75		
	Sindangan WWS												
	Sto. Nifo WWS												
	Macarhon WWS					5							
	Aurora BWSA											5	
	Caaga BWSA											5	
Malitbog	Cadaruhan Norte BWSA											5	
	Cadaruhan Sur BWSA											5	
	Carataan BWSA												
	Fatima BWSA												
	Guinabonan BWSA											5	
	Iba BWSA											5	
	Kauswagan BWSA											5	
	Lambonao BWSA											5	
	Mahayhay BWSA											5	
	Maningning BWSA												
	Mauyo BWSA												
	New Katipunan BWSA												
	Pancil BWSA												
	San Vicente BWSA												
	Sangahon BWSA											5	
	Sta. Cruz BWSA												
	Sto. Niño BWSA												
	Tigbawani BWSA											5	
Padre Burgos	Timba BWSA					0.6							
	Bunga WS	2.5											
	Cantutang WS											7	
	San Juan WS	5				1.5						10	
	Sto. Rosario WS	3				0.8							

Table 4.1.2 Details on Existing Level II Systems (Cont'd).

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Name of Municipality	Name of Operating Body	Expenditures					Tariff				Average Collection Efficiency (%)			
		Annual	Wages	Fuel, Chem. Mat'l.	Transport	Repairs	Loan Repayment	Other	Consumer Payment	Cost per Pail		Cost per Cu. Meter	Cost per HH/Mon.	Other
Pintuyan	Badiang WWS													
	Balongalong WWS													
	Buenavista WWS													
	Bulawan WWS													
	Cabawan WWS													
	Cabang WWS													
	Cogon WWS													
	Dan-an WWS													
	Lobo WWS													
	Mainit WWS													
	Nva. Estrella Norte WWS													
	Nva. Estrella Sur WWS													
	P.D. Equipping WWS													
	Son-ok I WWS													
Son-ok II WWS														
Saint Bernard	Tautag WWS													
	Avalag BWSA	3									3			
	Camaga WWS	5												
	Guinsaigon BWSA	56												
	Himos-onan BWSA	25												
	Magatas BWSA	5												
	Panian BWSA	5												
	Sta. Cruz WWS													
	Sug-angon WWS	2									2			
	Anislagon WS													
San Francisco	Bongawisan WS													
	Bongbong WS											1		
	Cahayag WS													
	Cuasi WS													
	Gabi WS													
	Habay WS													
	Malico WS													
	Marayag WS												5	
	Pasanon WS													
	Panamudan WS													

Table 4.1.2 Details on Existing Level II Systems (Cont'd).
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Name of Municipality	Name of Operating Body	Expenditures					Tariff					Average Collection Efficiency (%)	
		Annual	Wages	Fuel, Chem. Mat'l.	Transport	Repairs	Loan Repayment	Other	Consumer Payment (Year)	Cost per Pail	Cost per (Pesos)		
											Cu. Meter		HH/Mon.
San Francisco	Punta WS												
	Sta. Cruz WS												
	Sta. Paz Norte WS											10	
	Sta. Paz Sur WS												
	Sudmon WS											10	
	Tinaan WS												
	Tuno WS											10	
	Agay-ay BWSA	9.361	2.75	4.25	0.361	2							
	Basak BWSA	15	3.6	7.5	0.5	3.4							15
	Bobon A BWSA	39.893	8	22.893	1	7.9							
San Juan (Cabalian)	Bobon B BWSA	36	10	18	0.4	7.6						10	
	Dayanog BWSA	12.113	4	6	0.113	2						10	
	Carrido BWSA	7.134	2.4	3.734	0.11	0.89						5	
	Minoyho BWSA	12	3	7	0.3	1.7						10	
	Osao BWSA	7.6	1.9	4.263	0.25	1.187						20	
	Pong-oy BWSA	8.71	2	5	0.21	1.5						15	
	San Roque BWSA	9.131	2.5	5.131	0.2	1.3						10	
	San Vicente BWSA	16	5.6	8	0.2	2.2						20	
	Somoje BWSA	14.438	2.5	8.668	0.27	3						4	
	Sta. Filomena BWSA	12.163	3.05	7.103	0.21	1.8						5	
San Ricardo	Sua BWSA	8.631	2.877	4.031	0.123	1.6						10	
	Timba BWSA	10	3	5	0.2	1.8						10	
	Esperanza WS												
	Kinachawa WS												
	Lo-oc WS											10	
	Malingin Mun. WS												
	Pinut-an WS												
	Private Land WS												
	San Ramon WS												
	Saub WS												
Sillago	Timba-Camang WS												
	Balagawan												
	Catmon												
	Hingatungan												
	Imelda												

Table 4.1.2 Details on Existing Level II Systems (Cont'd).

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Name of Municipality	Name of Operating Body	Expenditures					Tariff				Average Collection Efficiency (%)					
		Annual	Wages	Fuel, Chem. Mat'l.	Transport	Repairs	Loan Repayment	Other	Consumer Payment	Cost per Pail		Cost per Cu. Meter	Cost per HH/Mon.	Other		
															(P 000.00 / year)	
Siliago	Kaupunan															
	Laguma															
	Mercedes															
	Pob. District I															
	Pob. District II															
	Puntana															
	Salvacion															
	Sap-ang															
	Sudmon															
	Tuba-on															
	Tubod															
	Cabadbaran															
Sogod	Hindangan															
	Hipantag															
	Kanangkaan													2.5	5	5
	Libas														5	2
	Mabicay														5	2
	Magatus															
	Mahnao															
	Milagroso															
	Olistihan															
	Pancho Villa															
	San Juan														5	
	San Miguel															
	San Roque															
	San Vicente															
Santa Maria																
Suba																
Tampoong														10	10	
Zone III																
Tomas Oppus	Camansi	0.5	0.15			0.25										
	Cambite															
	Canlupao	0.5	0.2			0.15										100
	Caranaga	0.95	0.2			0.2										
	Cawayan	0.4	0.1			0.15										

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)

Name of Municipality	Name of Operating Body	Expenditures						Tariff				Average Collection Efficiency (%)		
		Annual	Wages	Fuel, Chem. Mat'l.	Transport	Repairs	Loan Repayment	Other	Consumer Payment	Cost per Pail	Cost per Cu. Meter		Cost per HH/Mon.	Other
(P 000.00 / year)														
Tomas Oppus	Higosoan	0.8	0.2				0.3							
	Hinaganan	0.2	0.15			0.15								50
	Hinapo	0.5	0.175			0.2								
	Hugpa													
	Inguihan	0.4	0.1			0.15								100
	Looc	1.5	0.5			0.8								
	Maanyag	0.75	0.15			0.3								
	Mag-am	0.7	0.3			0.15							100	
	Maslog	12	3.6			5						40		10
	Ponong	0.2	0.15			0.2								100
	Rizal	0.2	0.1			0.1								50
	San Miguel	0.9	0.15			0.2								100
	San Roque	0.5	0.15			0.15								100
	San Agustin	0.8	0.15			0.2								50
	San Antonio													
	San Isidro	0.55	0.2			0.2								100

Table 4.1.2 Details on Existing Level II Systems
Sheet 6 of 6

Name of Municipality	Name of Operating Body	Billings				Revenues					
		Annual Billing	Public Faucet Consume	House Connection Consumers	Expected Subsidies	Others	Annual Income	Payment by Public Faucet Consumers	Payment by House Connection	Subsidies	Other
		(Number)					(P '000.00 / year)				
Anahawan	Calintaan BWSA										
	Capacuhan BWSA										
	Kagingkingan BWSA										
	Mainit BWSA										
	Manigawong								4.68		
Bontoc	Anahao WS		4.68								
	Catoogan WS										
	Cawayan WWS										
	Dao WS										
	Hibagwan WWS										
	Hilaan WS						7.348			0.072	
	Malbago WS										
	Maulyab WS						3.816	0.003			
	Taa WS			3.816							
	Bugho WS										
Hinunangan	Calag-itan WS										
	Ilaya WS										
	Ingan WS										
	Libas WS										
	Matin-ao WS										
	Nava WS										
	Nueva Esperanza WS										
	Palongpong WS										
	Pondol WS										
	Sto. Niño II WS										
Hinundayan	Tuburan WS										
	Amaga BWSA						6.6	0.012			
	Ambao BWSA						20.88	0.012			
	Biasong BWSA						15.84	0.012			
	Bugho BWSA						19.08	0.012			

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 6 of 6

Name of Municipality	Name of Operating Body	Billings				Revenues						
		Annual Billing (Number)	Public Faucet Consume	House Connection Consumers	Expected Subsidies	Others	Annual Income	Payment by	Payment by	Subsidies	Other	
								Public Faucet Consumers	House Connection			
Hinundayan	Cabulsan BWSA						6.72	0.012				
	Hubasan BWSA						11.4	0.012				
	Plaridel WS						2.52	0.036				
	Sagbok BWSA						28.56	0.168				
Libagon	Biasong WS						2					
	Gakat, Nahaong and Nahulid						40					
	Libagon WS	125										
	Magkasag WS						5					
	Mayuga WS						3					
	Orikon WS											
	Pangi											
Liloan	Anilao WW											
	Bahay WS											
	Cagbungalon-Gudan WS											
	Caligangan WS											
	Candayuman WS											
	Catig WS											
	Estela WS											
	Guintoylan WS											
	Magaupas WS											
	Maugoc WS											
	Pandan WS											
	Pres. Roxas WS											
Limasawa	San Isidro WS											
	San Roque WS											
	Tabugon WS											
	Lugsongan BWSA											
	Magallanes BWSA											
	SARWASA	37.44					14.44	37.44				

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 6 of 6

Name of Municipality	Name of Operating Body	Billings				Revenues					
		Annual Billing (Number)	Public Faucet Consume	House Connection Consumers	Expected Subsidies	Others	Annual Income (P '000.00 / year)	Payment by Public Faucet Consumers	Payment by House Connection	Subsidies	Other
Maasin (Capital)	Abgao WWS										
	Asuncion										
	Badiang										
	Basak										
	Bato I										
	Bato II										
	Batuan										
	Baugo										
	Bogo										
	Cabadiagan										
	Cagnituan										
	Cansirong										
	Canturing										
	Canyuom										
	Combado										
	Guadalupe										
	Hanginan										
	Hinapu Daku										
	Hinapu Gamay										
	Ibarra										
	Lanao										
	Libertad										
	Libhu										
	Lonoy										
	Lunas										
	Mahavhay										
	Malapoc Norte										
	Mambajao										
	Manhilo										
	Mantahan										

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)

Sheet 6 of 6

Name of Municipality	Name of Operating Body	Billings				Revenues					
		Annual Billing	Public Faucet Consume	House Connection Consumers	Expected Subsidies	Others	Annual Income	Payment by Public Faucet Consumers	Payment by House Connection	Subsidies	Other
		(Number)	(P '000.00 / year)								
Maasin (Capital)	Matin-ao										
	Nati										
	Nonok Norte										
	Nonok Sur										
	Pansaan										
	Pinaskuhan										
	Rizal										
	San Agustin										
	San Isidro										
	San Jose										
	Soro-soro										
	Sta. Cruz										
	Sta. Rosa										
	Sro. Niño										
	Sro. Rosario										
	Taguipa										
	Tam-is										
	Tigbawan										
	Tomoy-tomoy										
Macrohon	Tunga-tunga										
	Danao WWS										
	Laray WWS										
	San Joaquin WWS	30.24					30.24	24.704			
	San Roque WWS	25.2					25.2	25.2			
	Sindangan WWS										
Maitbog	Sro. Niño WWS										
	Macrohon WWS	21.24					21.24	18.054			
	Aurora BWSA										
	Caaga BWSA										
	Cadaruhan Norte BWSA										

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)

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Name of Municipality	Name of Operating Body	Billings				Revenues						
		Annual Billing (Number)	Public Faucet Consume	House Connection Consumers	Expected Subsidies	Others	Annual Income (P '000.00 / year)	Payment by Public Faucet Consumers	Payment by House Connection	Subsidies	Other	
Malibog	Cadaruhan Sur BWSA											
	Caratan BWSA											
	Fatima BWSA											
	Guinabonan BWSA											
	Iba BWSA											
	Kauswagan BWSA											
	Lambonao BWSA											
	Mahayhay BWSA											
	Maningning BWSA											
	Maulo BWSA											
	New Katipunan BWSA											
	Pancil BWSA											
	San Vicente BWSA											
Padre Burgos	Sangahon BWSA											
	Sta. Cruz BWSA											
	Sto. Niño BWSA											
	Tigbawani BWSA											
	Timba BWSA											
	Bunga WS											
	Cantutang WS											
	San Juan WS											
	Sto. Rosario WS											
	Badiang WWS											
	Balongbalong WWS											
	Buenavista WWS											
	Pintuyan	Bulawan WWS										
Catbawan WWS												
Caubang WWS												
Cogon WWS												
Dan-an WWS												

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 6 of 6

Name of Municipality	Name of Operating Body	Billings				Revenues					
		Annual Billing	Public Faucet Consume	House Connection Consumers	Expected Subsidies	Others	Annual Income	Payment by Public Faucet Consumers	Payment by House Connection	Subsidies	Other
		(Number)					(P '000.00 / year)				
Pintuyan	Lobo WWS										
	Maint WWS										
	Nva. Estrella Norte WWS										
	Nva. Estrella Sur WWS										
	P.D. Equipilag WWS										
	Son-ok I WWS										
	Son-ok II WWS										
	Taurag WWS										
	Ayahag BWSA		0.06	0.06			5	0.06			
	Carnaga WWS										
Saint Bernard	Guinsaugon BWSA		0.04	85			85	0.48	0.314		
	Himos-onan BWSA			0.18			13				
	Magatas BWSA		0.06	0.06			12	0.06	0.06		
	Panian BWSA		0.005	0.005			14.76	0.06	0.06		
	Sta. Cruz WWS		0.024	0.024				0.024	0.024		
	Sug-angon WWS		0.06	0.06			6	0.06	0.06		
	Anislagon WS										
	Bongawisan WS										
	Bongbong WS										
	Cahayag WS										
San Francisco	Quasi WS										
	Gabi WS										
	Habay WS										
	Malico WS										
	Marayag WS										
	Pasanon WS										
	Pinamudlan WS										
	Punta WS										
	Sta. Cruz WS										
	Sta. Paz Norte WS										

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)

Sheet 6 of 6

Name of Municipality	Name of Operating Body	Billings				Revenues					
		Annual Billing	Public Faucet Consume	House Connection Consumers	Expected Subsidies	Others	Annual Income	Payment by Public Faucet Consumers	Payment by House Connection	Subsidies	Other
		(Number)					(P '000.00 / year)				
San Francisco	Sta. Paz Sur WS										
	Sudmon WS										
	Tinaan WS										
	Tuno WS										
San Juan (Cabalian)	Agay-ay BWSA		14.88				8.031	5.208			296.07
	Basak BWSA		36.72				7.105	12.6			342.68
	Bobon A BWSA		9.12				14.762	8.7			258.68
	Bobon B BWSA		9				15	8.4			258.32
	Dayanog BWSA		16				17.361	15.84			301.82
	Garrido BWSA		4.14				4.936	0.48			249.98
	Minovho BWSA		18.84				19.469	16.1			321.54
	Osao BWSA		5.52	4.56			78.804	5.46	4.48		315.83
	Pong-oy BWSA		3.42				15.643	3			354.74
	San Roque BWSA		7.92					7.32			245.62
	San Vicente BWSA		29.52				4.691	23.28			278.98
	Somoje BWSA		0.24	0.384			1.04	0.24	0.384		320.68
San Ricardo	Sta. Filomena BWSA		3.6				5.708	3.18			241.97
	Sua BWSA		10.56	7.68			21.212	10.5	7.62		295.89
	Timba BWSA		9.36				11.178	8.28			261.97
	Esperanza WS										
	Kinachawa WS										
	Lo-oc WS										
	Malingin Mun. WS										
	Pinut-an WS										
	Private Land WS										
	San Ramon WS										
	Saub WS										
	Timba-Camang WS										
Siliago	Balagawan										
	Catmon										

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)

Sheet 6 of 6

Name of Municipality	Name of Operating Body	Billings				Revenues					
		Annual Billing (Number)	Public Faucet Consumers	House Connection Consumers	Expected Subsidies	Others	Annual Income (P '000.00 / year)	Payment by Public Faucet Consumers	Payment by House Connection	Subsidies	Other
Sillago	Hingatungan										
	Imelda										
	Kaipunan										
	Laguna										
	Mercedes										
	Pob. District I										
	Pob. District II										
	Puntana										
	Salvacion										
	Sap-ang										
	Sudmon										
	Tuba-on										
	Tubod						0.27	0.27			
Sogod	Cabadbaran		0.3								
	Hindangan										
	Hipantag		1	0.78			1.146	0.6	0.546		
	Kanangkaan		0.024	0.572			6.436	0.259	6.177		
	Libas						0.96	0.96			
	Mabicay		2	0.288			1.5	0.2	1.3		
	Magatas										
	Malinao										
	Milagroso										
	Olisihan										
	Pancho Villa		3				1.3	1.3			
	San Juan										
	San Miguel										
San Roque											
San Vicente											
Santa Maria											
Suba											

Table 4.1.2 Details on Existing Level II Systems (Cont'd.)
Sheet 6 of 6

Name of Municipality	Name of Operating Body	Billings				Revenues					
		Annual Billing (Number)	Public Faucet Consumer	House Connection Consumers	Expected Subsidies	Others	Annual Income	Payment by Public Faucet Consumers	Payment by House Connection Consumer	Subsidies	Other
Sogod	Tampoong		1.08	1.08			1.944	0.972	0.972		
	Zone III										
Tomas Oppus	Camansi						0.65				
	Cambite										
	Canlupao						1				
	Caranaga						1				
	Cawayan										
	Higosoan						0.85				
	Hinagtikan						0.7				
	Hinapo						0.55				
	Hugpa										
	Iniguihan						0.8				
	Looc						1.65				
	Maanyag						0.85				
	Mag-ata						1.5				
	Maslog		1.344	3.564			4.908	0.01	0.04		
	Ponong						0.7				
	Rizal						0.45				
	San Miguel						1.5				
	San Roque						0.9				
	San Agustin						0.2				
San Antonio											
San Isidro						1					

4.1.5 Level I Facilities

Safe and Unsafe Classification of Level I Facilities

According to the definition of DOH, the protected deep well, protected shallow well, covered /improved dug well and developed spring are classified as safe water sources, while the unprotected shallow well, open dug well, undeveloped spring and rain water collector are classified as unsafe water sources.

In the 1990 population census data, "Households by Main Source of Drinking Water and City /Municipality", it was shown that 26% of the households depended on several kinds of water sources such as shallow wells, dug wells, undeveloped springs, lake, river, rain water, etc.

On the other hand, the PHO has been conducting water quality analysis on samples collected at public and private Level I wells and classified these into unsafe sources/facilities. Table 4.3.1 presents the results of the water quality analysis on existing shallow wells. In addition, the PSPT studied the percentages by municipality based on experiences through its field activities and are shown in the same table.

Table 4.1.3 Results of Water Quality Examination of Shallow Wells

Municipality	Results of Water Quality Examination					*Unsafe Percentage by PSPT Study Results
	Safe Source		Unsafe		Total No. of Sample	
	Number	Percentage	Number	Percentage		
Anahawan	10	100%	0	0%	10	40%
Bontoc	30	30%	70	70%	100	70%
Hinunangan*	0	64%	0	34%	0	40%
Hinundayan	0		8	100%	8	80%
Libagon	69	88%	9	12%	78	30%
Liloan	100	100%	0	0%	100	40%
Limasawa	0	0%	281	100%	281	80%
Maasin (Capital)	393	70%	165	30%	558	60%
Macrohon	225	100%	0	0%	225	65%
Malitbog	355	53%	320	47%	675	60%
Padre Burgos	157	78%	44	22%	201	40%
Pintuyan	0	0%	5	100%	5	80%
Saint Bernard	14	67%	7	33%	21	40%

Source: PHO, 1998

* PSPT questionnaire

The results of bacteriological examination indicated that 36% of the shallow wells was under the classification of unsafe source in the province. While, a simple average percentage of unsafe shallow wells by the PSPT was 60%.

As a reference information, the experiences in 1st and 2nd batch provinces in Mindanao area in the preparation of PW4SP show the unsafe percentage of 20-50% as summarized below.

Surigao del Norte	Agusan del Norte	Agusan del Sur	Bukidnon	Misamis Oriental	Davao Oriental	Davao del Norte	Davao del Sur	Sarangani	South Cotabato
20%	50%	23%	50%	50%	40%	20%	46%	30%	50%

There is a big difference between the NSO survey, the PHO examination results and the PSPT study results. The subject percentage of the province seems to be on the same level as the maximum percentage of the last 2 batch provinces referring to PSPT experiences.

In this study, the percentage by municipality as analyzed by the PSPT is used for the planning purpose. While, those sources other than shallow wells are processed as classified in the questionnaire. Table 4.1.4 (a) presents the numbers of Level I facilities by safe and unsafe classification.

Public and Private Level I Facilities for Rural Water Supply

Table 4.1.4 (b) the presents the number and proportion of Level I facilities by public and private sources for rural water supply in the province. Public and private facilities share 42% and 58% of the total number of Level I facility, respectively. Developed springs occupy 17% of the total number of public facilities.

Table 4.1.4 (b) Public and Private Level I Facilities for Rural Water Supply

Facility	Public Source		Private Source		Total
	Number	%	Number	%	
Deep Well	240	73%	90	27%	330
Shallow Well	782	37%	1,334	63%	2,116
Spring Development	216	100%			216
Others	70	17%	352	83%	422
Total	1,308	42%	1,776	58%	3,084

Table 4.1.4(a) Number of Level 1 Facilities by Safe and Unsafe Classification

Name of Municipality	Area	Safe Sources						Unsafe Sources						Grand Total					
		Public			Private			Public			Private								
		Deep Well	Shallow Well	Covered/Improved Dug Well	Developed Spring	Sub-total	Deep Well	Shallow Well	Covered/Improved Dug Well	Total	Shallow Well	Open Dug Well	Undeveloped Spring	Rain Water Collection	Sub-total	Open Dug Well	Rain Water Collector	Sub-total	Total
Anahawan	Urban																		11
	Rural	3			8	11													11
	Total	3			8	11													22
Bontoc	Urban		11		1	12													23
	Rural	30	12		6	48	26	31	29										86
	Total	30	23		7	60	26	62	29										111
Hinunangan	Urban																		
	Rural	2	10		26	38	12	85	110	207	207	6							213
	Total	2	10		26	38	12	85	110	207	213	6							420
Hinundayan	Urban																		
	Rural	8																	8
	Total	8																	8
Libagon	Urban																		
	Rural	21			10	31	4	12	1	13	44	9							63
	Total	21			10	35	4	12	1	15	50	11							63
Lileon	Urban																		
	Rural	1																	1
	Total	1																	1
Linasawa	Urban																		
	Rural	4																	4
	Total	4																	4
Magasin (Capital)	Urban																		
	Rural	67	61		54	248		115	303	92									460
	Total	67	61		54	248		115	303	92									460
Macorohan	Urban																		
	Rural	65	1		19	85		51	136	1									197
	Total	65	1		19	85		51	136	1									197

Table 4.1.4(a) Number of Level I Facilities by Safe and Unsafe Classification (Cont'd.)

Name of Municipality	Area	Safe Sources										Unsafe Source						Grand Total			
		Public					Private					Public			Private						
		Deep Well	Shallow Well	Covered/Improved Dug Well	Developed Spring	Sub-total	Deep Well	Shallow Well	Covered/Improved Dug Well	Sub-total	Total	Shallow Well	Open Dug Well	Undeveloped Spring	Rain Water Collection	Sub-total	Shallow Well	Open Dug Well	Rain Water Collector	Sub-total	Total
Matilbag	Urban	4	3			6	9	19	16	55	65	8					8	35		55	62
	Rural	29	46		29	104	19	19	191	210	313	68					266			266	551
	Total	33	51		29	113	38	38	227	265	378	76					341			341	705
Padre Burgos	Urban	1	8			9				1	1	1					6			1	6
	Rural	1	18		2	20	1	3	3	4	30	12					12			2	14
	Total	2	26		2	35	1	4	4	5	41	18					18			3	20
Pinayan	Urban																				
	Rural																				
	Total																				
Saint Bernard	Urban																				
	Rural	1	9			10	17	17	4	21	31	6					6			2	8
	Total	1	9			10	17	17	4	21	31	6					6			2	8
San Francisco	Urban	1	3		9	12				4	15	11					11			11	23
	Rural	1	1		23	26	3	5	5	8	35	5					5			5	99
	Total	1	4		32	38	6	6	6	12	50	16					16			16	134
San Juan (Cabanatuan)	Urban	4	5			9	7	8		9	16	12					12			12	22
	Rural	7	9			16	1	1		1	17	34					34			34	45
	Total	11	12			25	8	8	2	10	33	46					46			46	95
San Ricardo	Urban																				
	Rural	1	1			2					2	1					1			1	3
	Total	1	1			2					2	1					1			1	3
Silogo	Urban	2	0			2					2	1					1			1	7
	Rural	7	1		20	28				1	29	6					6			6	38
	Total	9	2		24	35				1	35	6					6			6	45
Sogod	Urban																				
	Rural	11	113		6	130	15	15	41	56	186	170					170			170	211
	Total	11	113		6	130	15	15	41	56	186	170					170			170	211
Tomas Oppus	Urban	2	2			4				2	5	2					2			2	3
	Rural	6	7		3	16				6	23	7					7			7	14
	Total	8	9		3	21				8	28	9					9			9	17
Provincial Total	Urban	49	41		23	113	30	30	106	7	143	256	82								

Table 4.1.5 Estimation of Unserved Population by Municipality

Name of Municipality	Area	Population and Household (1998)		Served Population			Unserved Population				Population Covered by Level I Facilities
		Number	HH Size	Level III	Level II	Total	Unserved Percentage (1995)		Unserved Population 1998		
							Total No. of HHs	No. of Unserved			
Anahawan	Urban	2,805	4.69	1,483	186	1,669	585	3	1	1,136	
	Rural	3,473	4.56	955	1,016	1,971	817	46	6	196	1,306
	Total	6,278	4.62	2,438	1,202	3,640	1,402	49	3	1,332	1,306
Bontoc	Urban	3,780	4.99	1,068	1,012	2,080	757	53	7	265	1,435
	Rural	20,015	5.09	1,160	5,486	6,646	3,978	941	24	4,735	8,634
	Total	23,795	5.08	2,228	6,498	8,726	4,735	994	21	4,999	10,070
Hinunangan	Urban	1,575	4.65	1,226		1,226	302	7	2	37	512
	Rural	20,502	4.56	6,097	5,463	11,560	4,549	134	3	604	8,338
	Total	22,077	4.57	7,323	5,463	12,786	4,851	141	3	640	8,651
Hinundayan	Urban	4,307	4.73	1,270	1,782	3,052	814	8	1	42	1,213
	Rural	6,523	4.78	2,328	3,990	6,318	1,416	143	10	205	
	Total	10,830	4.76	3,598	5,772	9,370	2,230	151	7	247	1,213
Libagon	Urban	1,450	5.00	409	300	709	290	13	4	65	676
	Rural	9,146	4.84	859	5,532	6,391	1,921	238	12	1,133	1,622
	Total	10,596	4.86	1,268	5,832	7,100	2,211	251	11	1,198	2,298
Liloan	Urban	4,557	4.88	1,075	40	1,115	917	2	0	10	3,432
	Rural	12,204	4.74	349	3,692	4,041	2,677	41	2	187	7,976
	Total	16,761	4.77	1,424	3,732	5,156	3,594	43	1	197	11,408
Limasawa	Urban	1,229	4.85				244	6	2	30	1,199
	Rural	3,831	4.98		721	721	752	107	14	545	2,565
	Total	5,060	4.95		721	721	996	113	11	575	3,764

Table 4.1.5 Estimation of Unserved Population by Municipality (Cont'd.)

Name of Municipality	Area	Population and Household (1998)		Served Population			Unserved Population				Population Covered by Level I Facilities
		Number	HH Size	Level III	Level II	Total	Unserved Percentage (1995)		Unserved Population 1998		
							Total No. of HHs	No. of Unserved			
Maasin (Capital)	Urban	30,316	4.84	10,815	4,948	15,763	5,298	164	938	13,615	
	Rural	33,120	4.72	5,210	12,763	17,973	8,062	2,938	12,070	3,077	
	Total	63,436	4.77	16,025	17,711	33,736	13,360	3,102	13,008	16,692	
Macrohon	Urban	6,698	4.75	2,115		2,115	1,411	22	104	4,479	
	Rural	13,290	4.83	797	7,101	7,898	2,774	388	1,859	3,533	
	Total	19,988	4.80	2,912	7,101	10,013	4,185	410	1,963	8,012	
Malitbog	Urban	2,882	5.14	1,240		1,240	497	32	186	1,456	
	Rural	15,757	5.31		3,352	3,352	2,906	579	3,139	9,266	
	Total	18,639	5.28	1,240	3,352	4,592	3,403	611	3,325	10,722	
Padre Burgos	Urban	2,543	5.23	2,065		2,065	446			478	
	Rural	5,121	5.11	1,123	1,226	2,349	1,030	7	35	2,737	
	Total	7,664	5.14	3,188	1,226	4,414	1,476	7	35	3,215	
Pintuyan	Urban	1,048	5.08	283		283	199	199	765		
	Rural	7,409	5.25	889	2,127	3,016	1,406	1,406	4,393		
	Total	8,457	5.23	1,172	2,127	3,299	1,605	1,605	5,158		
Saint Bernard	Urban	3,475	4.82	3,400		3,400	629	13	75		
	Rural	18,085	4.95	4,976	2,350	7,326	3,703	225	1,099	9,660	
	Total	21,560	4.93	8,376	2,350	10,726	4,332	238	1,174	9,660	
San Francisco	Urban	2,222	4.55	1,844		1,844	488	32	146	232	
	Rural	7,029	4.55		3,049	3,049	1,610	571	2,493	1,487	
	Total	9,251	4.55	1,844	3,049	4,893	2,098	603	2,639	1,719	

Table 4.1.5 Estimation of Unserved Population by Municipality (Cont'd.)

Name of Municipality	Area	Population and Household (1998)		Served Population			Unserved Population			Population Covered by Level I Facilities	
		Number	HH Size	Level III	Level II	Total	Unserved Percentage (1995)		Unserved Population 1998		
							Total No. of HHs	No. of Unserved			
San Juan (Cabalian)	Urban	3,800	4.55				836			3,800	
	Rural	7,490	4.58		4,399	4,399	1,658	9	41	3,050	
	Total	11,290	4.57		4,399	4,399	2,494	9	41	6,850	
San Ricardo	Urban	695	4.54	487		487	153	16	208		
	Rural	6,569	5.02	1,120	3,991	5,111	1,430	285	1,309	149	
	Total	7,264	4.97	1,607	3,991	5,598	1,583	301	1,517	149	
Silago	Urban	2,168	4.70	824	384	1,208	450	4	19	941	
	Rural	7,634	4.62	3,390	2,841	6,231	1,660	76	350	1,053	
	Total	9,802	4.64	4,214	3,225	7,439	2,110	80	369	1,994	
Sogod	Urban	8,841	4.91	5,583	123	5,706	1,554	85	3,135		
	Rural	22,129	4.93	9,584	3,792	13,376	4,757	1,520	7,071	1,682	
	Total	30,970	4.92	15,167	3,915	19,082	6,311	1,605	10,206	1,682	
Tomas Oppus	Urban	1,932	4.98	771	342	1,113	388	46	229	590	
	Rural	10,487	4.85		8,168	8,168	2,203	816	2,319		
	Total	12,419	4.87	771	8,510	9,281	2,591	862	2,548	590	
Provincial Total	Urban	86,323	4.83	35,958	9,117	45,075	16,258	705	7,390	33,858	
	Rural	229,814	4.85	38,837	81,059	119,896	49,309	10,470	43,781	66,137	
	Total	316,137	4.84	74,795	90,176	164,971	65,567	11,175	51,171	99,995	

Table 4.1.6 (a) Estimation of Population Covered by Safe and Unsafe Source by Municipality

Name of Municipality	Area	Pop. Covered by Level I Facilities	Number of Facilities				Coverage of Own Use							
			Public Facilities		Private Facilities		Number of Private Facilities				(1) Population Covered			
			Safe	Unsafe	Total	Safe	Unsafe	Total	Safe	Unsafe	Total	Safe	Unsafe	Total
Anahawan	Urban	1,306			11									
	Rural	1,306	11		11									
	Total	1,306	11		11									
Bontoc	Urban	1,435	12	25	37									
	Rural	8,634	48	29	77	33	16	49	16	8	25	32	40	122
	Total	10,070	60	54	114	33	16	49	16	8	25	32	40	122
Hinunangan	Urban	312				6	4	10	3	2	5	14	9	23
	Rural	8,338	38	6	44	207	169	376	104	84	188	482	392	874
	Total	8,651	38	6	44	213	173	386	107	86	193	496	402	897
Hinundayan	Urban	1,213	1	1	2	10	11	21	5	6	11	23	26	50
	Rural		10		10	6	17	23	3	9	12			
	Total	1,213	11	1	12	15	29	44	8	14	22	23	26	50
Libagon	Urban	676	4	2	5	2	1	3	1	0	2	5	2	8
	Rural	1,622	31	9	40	13	7	20	6	4	10	32	18	50
	Total	2,298	35	11	45	15	8	23	8	4	12	38	20	58
Liloan	Urban	3,432	6	1	7									
	Rural	7,976	2		2	1	1	2	1	0	1	3	2	5
	Total	11,408	8	1	9	1	1	2	1	0	1	3	2	5
Limasawa	Urban	1,199	7	13	20	35	139	174	17	70	87	84	338	422
	Rural	2,565	6	22	28	17	81	98	9	41	49	41	196	238
	Total	3,764	14	34	48	52	220	272	26	110	136	126	534	660
Maasin (Capital)	Urban	13,615	8	1	9	7	11	18	3	6	9	16	27	44
	Rural	3,077	248	92	340	115	172	287	57	86	144	278	417	695
	Total	16,692	256	93	349	122	183	305	61	92	153	294	444	738
Macrohon	Urban	4,479	28		28	13	23	36	6	12	18	30	56	86
	Rural	3,533	85	1	86	51	96	147	26	48	74	122	227	349
	Total	8,012	113	1	114	64	119	183	32	59	92	152	283	435

Table 4.1.6 (a) Estimation of Population Covered by Safe and Unsafe Source by Municipality

Name of Municipality	Area	Pop. Covered by Level I Facilities	Number of Facilities			Coverage of Own Use					
			Public Facilities								

Table 4.1.6 (b) Estimation of Population Covered by Safe and Unsafe Source by Municipality

Name of Municipality	Area	Coverage of Shared Well				Level I Coverage (1) + (2)			
		(2) Population							

Percentage of Population Covered by Level I Public Facility for Rural Water Supply

Grasping the current percentage of population covered by public facilities would be a useful information in considering to what extent the additional population to be covered by public facilities in the future plan. This takes into account that the major facilities would be Level I especially for rural water supply in the future.

Population served by public facilities is calculated using Tables 4.1.6 (a) and 4.1.6 (b) as a balance between total population served by Level I facilities and population covered by private facilities. Thus, it is estimated that 41,600 persons or

4.2 Sanitation and Sewerage

Table 4.2.2 Number of Student and School Toilet Facilities by Municipality

Name of Municipality		Number of School	Number of Student	Number of Toilets		
				Sanitary	Unsanitary	Total
Anahawan	Public	4	1,189	41		41
	Private	1	501	5		5
	Total	5	1,690	46		46
Bontoc	Public	31	6,403	90		90
	Private					
	Total	31	6,403	90		90
Hinunangan	Public	30	4,720	115		115
	Private	1	515	5		5
	Total	31	5,235	120		120
Hinundayan	Public	12	2,310	45		45
	Private	1	409	3		3
	Total	13	2,719	48		48
Libagon	Public	9	2,625	58		58
	Private	1	434	4		4
	Total	10	3,059	62		62
Liloan	Public	22	4,333	126	8	134
	Private	1	448	4	1	5
	Total	23	4,781	130	9	139
Limasawa	Public	6	1,271	30		30
	Private					
	Total	6	1,271	30		30
Maasin (Capital)	Public	65	13,071	234		234
	Private	2	2,286	32		32
	Total	67	15,357	266		266
Macrohon	Public	21	5,166	100	2	102
	Private	1	513	6		6
	Total	22	5,679	106	2	108
Malitbog	Public	20	3,389	82		82
	Private	1	450	6		6
	Total	21	3,839	88		88
Padre Burgos	Public	7	1,407	28		28
	Private	1	485	14		14
	Total	8	1,892	42		42
Pintuyan	Public	9	1,668	81		81
	Private					
	Total	9	1,668	81		81
Saint Bernard	Public	24	4,641	176		176
	Private	1	467	12		12
	Total	25	5,108	188		188
San Francisco	Public	12	2,393	54		54
	Private	1	469	8		8
	Total	13	2,862	62		62
San Juan (Cabalian)	Public	12	2,611	48		48
	Private					
	Total	12	2,611	48		48
San Ricardo	Public	10	2,260	69		69
	Private					
	Total	10	2,260	69		69
Silago	Public	12	2,102	127		127
	Private					
	Total	12	2,102	127		127
Sogod	Public	28	7,447	144		144
	Private	1	545	12		12
	Total	29	7,992	156		156
Tomas Oppus	Public	19	3,056	100		100
	Private	1	415	5		5
	Total	20	3,471	105		105
Provincial Total	Public	353	72,062	1,748	10	1,758
	Private	14	7,937	116	1	117
	Total	367	79,999	1,864	11	1,875

Table 4.2.3 Number of Public Toilets Facilities in 1998

Name of Municipality	Public Markets			Bus/Jeepney Terminals			Parks/Playground			Total Number of Toilets
	No. of Sanitary Toilets	No. of Unsanitary Toilets	Sub-total	No. of Sanitary Toilets	No. of Unsanitary Toilets	Sub-total	No. of Sanitary Toilets	No. of Unsanitary Toilets	Sub-total	
Anahawan	1		1							1
Bontoc	1		1							1
Hinunangan	1		1	1		1				2
Hinundayan	1		1				1		1	2
Libagon	1		1				1		1	2
Liloan	1		1	1		1	1		1	3
Limasawa							2		2	2
Maasin (Capital)	3		3	1		1	1		1	5
Macrohon							1		1	1
Malibog	1		1				1		1	2
Padre Burgos	1		1	1		1	1		1	3
Pintuyan										
Saint Bernard	1		1	1		1	1		1	3
San Francisco	1		1	1		1	1		1	3
San Juan (Cabalian)	1		1	1		1	1		1	3
San Ricardo										
Silago				1		1	1		1	2
Sogod	2		2	1		1				3
Tomas Oppus	1		1							1
Provincial Total	17		17	9		9	13		13	39

