

4. EXISTING FACILITIES AND SERVICE COVERAGE

4.1 Water Supply

4.1.3 Level III Systems

Table 4.1.1 Details on Existing Level III Systems

Sheet 1 of 4

Name of Municipality	Name of Operating Body	Level III Service								
		Number of Barangays Served			Number of Households Served			Number of Population Served		
		Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
Ajuy	Ajuy WD	1	4	5	578	898	1,476	2,890	4,490	7,380
Alimodian	Alimodian WD	1		1	648		648	3,240		3,240
Anilao	Anilao WD	1	4	5	184	55	239	1,104	330	1,434
Badiangan	Badiangan WW	1		1	98		98	490		490
Barotac Nuevo	Dumangas-Btac.	2	5	7	402	327	729	2,010	1,635	3,645
Barotac Viejo	Barotac Viejo WD		2	2		480	480		2,880	2,880
Batad	Batad Rural WW	1		1	130		130	780		780
Cabatuan	Metro Iloilo WD (a)	19		19	498		498	2,490		2,490
Calinog	Calinog WD	4	2	6	294	25	319	1,764	150	1,914
Dingle	Dingle-Pototan WD	1	10	11	392	1,216	1,608	1,960	6,080	8,040
	Agsalanan		1	1		113	113		678	678
	Municipal Total	1	11	12	392	1,329	1,721	1,960	6,758	8,718
Dueñas	Dueñas WD	5		5	325		325	1,950		1,950
Dumangas	Dumangas-Btac.	5	21	26	233	1,243	1,476	1,165	6,215	7,380
Estancia	Estancia WD	4		4	545		545	3,270		3,270
Guimbal	Guimbal Rural	11		11	618		618	3,708		3,708
Janiuay	Janiuay WD	15	1	16	401	28	429	2,406	168	2,574
Leganes	Leganes WD	1	1	2	50	25	75	300	150	450
Leon	Buga WW		1	1		173	173		1,038	1,038
	Leon WD	1	1	2	293	51	344	1,758	312	2,070
	Municipal Total	1	2	3	293	224	517	1,758	1,350	3,108
Maasin	Metro Iloilo WD (b)	4	5	9	117	146	263	585	730	1,315
Miagao	Miagao WD	7		7	352		352	2,112		2,112
New Lucena	New Lucena WW		1	1		45	45		270	270
Oton	Metro Iloilo WD (c)	10		10	525		525	2,625		2,625
Passi City	Passi WD	2		2	1,430		1,430	8,550		8,550
	Agdayao Waterwork		1	1		156	156		936	936
	Jaguimitan		1	1		255	255		1,530	1,530
	Municipal Total	2	2	4	1,430	411	1,841	8,550	2,466	11,016
Pavia	Metro Iloilo WD (d)	5	6	11	1,169	1,402	2,571	5,845	7,010	12,855
	Pal-agon-Mali-ao-		1	1		159	159		954	954
	Municipal Total	5	7	12	1,169	1,561	2,730	5,845	7,964	13,809
Pototan	Dingle-Pototan WD	5	1	6	1,272	87	1,359	6,360	435	6,795
San Dionisio	San Dionisio WW	1		1	459		459	2,754		2,754
San Joaquin	San Joaquin - LGU	5	3	8	114	225	339	1,303	1,210	2,513
	Sinogbuan		1	1		202	202		1,212	1,212
	Municipal Total	5	4	9	114	427	541	1,303	2,422	3,725
San Miguel	Metro Iloilo WD (e)	1		1	163		163	815		815
Santa Barbara	Metro Iloilo WD (f)	6	7	13	226	263	489	1,130	1,315	2,445
Sara	Sara Mun. WS	3	4	7	97	72	169	582	434	1,016
Provincial Total		122	86	208	11,613	8,075	19,688	63,946	42,737	106,683

Table 4.1.1 Details on Existing Level III Systems

Sheet 2 of 4

Name of Municipality	Name of Operating Body	Level II Service								
		Number of Public Faucets			Number of Households Served			Number of Population Served		
		Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
Ajuy	Ajuy WD									
Alimodian	Alimodian WD									
Anilao	Anilao WD									
Badiangan	Badiangan WW									
Barotac Nuevo	Dumangas-Btac.									
Barotac Viejo	Barotac Viejo WD									
Batad	Batad Rural WW	3		3	15		15	75		75
Cabatuan	Metro Iloilo WD (a)	2		2	10		10	50		50
Calinog	Calinog WD									
Dingle	Dingle-Pototan WD									
	Dingle-Pototan WD									
	Municipal Total									
Dueñas	Dueñas WD									
Dumangas	Dumangas-Btac.		7	7		35	35		175	175
Estancia	Estancia WD									
Guimbal	Guimbal Rural									
Janiuay	Janiuay WD									
Leganes	Leganes WD									
Leon	Buga WW									
	Leon WD									
	Municipal Total									
Maasin	Metro Iloilo WD (b)		1	1		5	5		25	25
Miagao	Miagao WD									
New Lucena	New Lucena WW									
Oton	Metro Iloilo WD (c)									
Passi City	Passi WD	3		3	15		15	75		75
	Agdayao Waterwork									
	Jaguimilan									
	Municipal Total	3		3	15		15	75		75
Pavia	Metro Iloilo WD (d)		3	3		15	15		75	75
	Pal-agon-Mali-ao-									
	Municipal Total		3	3		15	15		75	75
Pototan	Dingle-Pototan WD									
San Dionisio	San Dionisio WW									
San Joaquin	San Joaquin - LGU									
	Sinogbuan									
	Municipal Total									
San Miguel	Metro Iloilo WD (e)									
Santa Barbara	Metro Iloilo WD (f)		6	6		30	30		150	150
Sara	Sara Mun. WS									
Provincial Total		8	17	25	40	85	125	200	425	625

Table 4.1.1 Details on Existing Level III Systems

Sheet 3 of 4

Name of Municipality	Name of Operating Body	Water Sources			Consumption			
		Type ¹	Number	Production (cu.m/day)	Domestic	Institutional	Commercial	Industrial
					(cu.m/day)			
Ajuy	Ajuy WD	Surf	1	480	152	6		4
Alimodian	Alimodian WD	DgW	1	231				4
Anilao	Anilao WD	DW	1	152	224	37		1
Badiangan	Badiangan WW	SP	1	50				
Barotac Nuevo	Dumangas-Btac.	DW	1	234				
Barotac Viejo	Barotac Viejo WD	Dgw	2	2,063		117		
Batad	Batad Rural WW	DW	1		1,465			
Cabatuan	Metro Iloilo WD (a)	Surf						
Calinog	Calinog WD	DgW	1	323	128			
Dingle	Dingle-Pototan WD	SP			306	2		41
	Agsalanan	DW						
	Municipal Total				306	2		41
Daeñas	Daeñas WD	DW	1	151				
Dumangas	Dumangas-Btac.	DgW	1	544				
Estancia	Estancia WD	DgW/DW	2/1		238	1		2
Guimbal	Guimbal Rural	DgW/DW	1/2	120	600			
Janiuay	Janiuay WD	DW	1	288				
Leganes	Leganes WD	DW						
Leon	Buga WW	DW	1	79	84			
	Leon WD	DW	1	490	230	12		1
	Municipal Total	DW	2	569	314	12		1
Maasin	Metro Iloilo WD (b)	Surf						
Miagao	Miagao WD	Surf	1		18			
New Lucena	New Lucena WW	DW	1	276	18			
Oton	Metro Iloilo WD (c)							
Passi City	Passi WD	IG/SP	1/2	666	306			18
	Agdayao Waterwork	SP	1					
	Jaguimitan	SP	1					
	Municipal Total		5					
Pavia	Metro Iloilo WD (d)	Surf						
	Pal-agon-Mali-ao-	DW						
	Municipal Total							
Pototan	Dingle-Pototan WD	SP			992	2	40	
San Dionisio	San Dionisio WW	SP	2	144	258	2	3	
San Joaquin	San Joaquin - LGU	SP	1	691				
	Sinogbuan	SP	1					
	Municipal Total		2					
San Miguel	Metro Iloilo WD (e)	Surf						
Santa Barbara	Metro Iloilo WD (f)	Surf						
Sara	Sara Mun. WS	SP/Surf	1/1					4
	Provincial Total		22	6,982	5,137	63	117	4

Note: 1. Type of Water Source; DW - Deep Well, DgW - Dug Well, Surf - Surface Water (River), SP - Spring, and IG - Infiltration Gallery

Table 4.1.1 Details on Existing Level III Systems
Sheet 4 of 4

Name of Municipality	Name of Operating Body	Consumers														
		Domestic House Connections			Domestic Public Faucets			Institutional Consumers			Commercial Consumers			Industrial Consumers		
		Connection		Consumption (m ³ /day)	Connection		Consumption (m ³ /day)	Connection		Consumption (m ³ /day)	Connection		Consumption (m ³ /day)	Connection		Consumption (m ³ /day)
		Metered	Unmetered		Metered	Unmetered		Metered	Unmetered		Metered	Unmetered		Metered	Unmetered	
Ajuy	Ajuy WD	348	10	151.99				4	2	5.69	13	1	4.33			
Alimodian	Alimodian WD	538	2					2		0.47	1		3.50			
Anilao	Anilao WD	239		224.30				1		37.20	2		0.93			
Badianan	Badianan WW															
Barotac Nuevo	Dumangas-Brac	1,131						5			33					
Barotac Viejo	Barotac Viejo WD	480		117.00				2			13					
Batad	Batad Rural WW	130		1,365.00	3		100.00									
Cabaruan	Metro Iloilo WD															
Calinog	Calinog WD	319		127.95												
Dingle	Dingle-Pototan	392		305.76												
	Agsalanan															
	Municipal Total	392		305.76				15		1.97	60		40.80			
Dueñas	Dueñas WD	325						6			10					
Dumangas	Dumangas-Brac	1,476						6			34					
Estancia	Estancia WD	545	60	238.00				2		0.94	1		2.00			
Guimbal	Guimbal Rural	618		600				7			17					
Janiuay	Janiuay WD	425						8			12					
Leganes	Leganes WD															
Leon	Buga WW	173		84.00												
	Leon WD	344		230.48				1		12.23	17		1.43			
	Municipal Total	517		314.48				1		12.23	17		1.43			
Maasin	Metro Iloilo WD															
Miagao	Miagao WD	297	53	18.00							1					
New Lucena	New Lucena WW	45	100	18.00												
Oton	Metro Iloilo WD															
Passi City	Passi WD	340	15	306.00		3					11		17.60			
	Agdayao															
	Jaguimitan															
	Municipal Total	340	15	306.00		3					11		17.60			
Pavia	Metro Iloilo WD															
	Palagon-Mali-ao															
	Municipal Total															
Pototan	Dingle-Pototan	1,272		992.16				15		1.97	59		40.42			
San Dionisio	San Dionisio WW	459		258.00				1	4	2.36	6		3.13			
San Joaquin	San Joaquin -	330														
	Singubuhan															
	Municipal Total															
San Miguel	Metro Iloilo WD															
Santa Barbara	Metro Iloilo WD															
Sara	Sara Mun WS	57	200								1		3.50	1	3.50	
Provincial Total		10,296	440	5,037	3	3	100.00	75	6	62.83	289	3	117.34	1	3.50	

4.1.4 Level II Systems

Table 4.1.2 Details on Existing Level II Systems
Sheet 1 of 6

Name of Municipality/City	Name of Operating Body	Water Source			Existing Facilities					
		Type	Number	Discharge (m ³ /day)	Length of Transmission Line (meter)	Reservoir		Length of Distribution Line (meter)	Number of Public Faucets	
						Number	Volume (m ³)			
Ajuy	B. Bungles, P. Navarro & Ro	SW	1	57.6	10	1	1.0	2,500	4	
	Barrido WS	SP	1	13.0	660	1	60.0	90	14	
	Bay-ang WS	SP	1	28.8	350	3	14.5	250	13	
	Central WS	SP	1	86.4	3,000	1	8.3	1,500	9	
	Culasi WS	SP	1	38.9	1,500	1	30.0	1,500	7	
	Pedada WS	SP	1	14.4	1,000	1	7.0	300	4	
	Pili	DW	1	158.4	120	1	8.0	320	11	
	Punta Buri WW	SP	1	5.9	1,200	2	4.5	1,200	15	
	Tagubanhon WS	SP	1	2.8	750	1	5.0	350	15	
	Municipal Total	DW/SP/SW	1/1/7	406.2	8,590	12	138.3	8,010	92	
	Alimodian	Bancal WS	SW	1	54.0	100	1	20.0	600	6
		Binalud WS	SW	1	172.8	500	1	27.0	100	4
		Cabacanan Proper WS	SP	1	345.6	900	2	10.0	300	7
		Cabacanan Rizal WS	SP	1	345.6	1,220	1	46.0	153	7
		Coline WS	SW	1	23.6	120	1	120.0	150	6
		Cunsad WS	SP	1	432.0		2	10.0	50	5
		Dao WS	SP	1	345.6	1,000	2	10.0	500	4
Lico WS		SP	1	345.6	500	1	10.0	300	4	
Luan-luan WS		SP	1	86.4	410	1	14.0	83	4	
Malamhay WS		SP	1	172.8	500	2	10.0	100	4	
Manduyog WS	SW	1	216.0	250	1	20.0	200	6		
Pajo WS	SP	1	345.6	1,000	2	10.0	400	4		
Sinamay WS	SP	1	259.2	500	1	10.0	400	5		
Sulong WS	SP	1	172.8	1,000	4	120.0	500	6		
Taban-Manguning WS	DW	1	25.2	600	1	80.0	150	7		
Tabug WS	SP	1	432.0	56	2	10.0	30	4		
Tarug WS	SP	1	259.2	1,000	1	10.0	300	4		
Municipal Total	DW/SP/SW	1/4/11	4,034.0	9,656	26	537.0	4,316	87		

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
Sheet 1 of 6

Name of Municipality/City	Name of Operating Body	Water Source		Existing Facilities					
		Type	Number	Discharge (m ³ /day)	Length of Transmission Line (meter)	Reservoir		Length of Distribution Line (meter)	Number of Public Faucets
						Number	Volume (m ³)		
Badianan Barotac Viejo	Iniligan WWA	DW	1	36.0	50	1	4.0	10	10
	Lipata WS	SP	1	2.2	500	2	10.0	100	8
	Puerto Princesa WS	SP	1	7.2	1,250	1	40.0	1,500	20
	San Francisco WS	SP	1	51.8	90	1	25.0	700	12
	Santiago (Purok I) WS	SP	1	0.4	2,000	1	12.0	1,000	17
	Santiago (Purok III) WS	SP	1	4.3	200	1	25.0	1,800	5
	Municipal Total		5	65.9	4,040	6	112.0	5,100	62
Batad	Alinsolong WS	SP	1	7.2	20	1	54.0	250	9
	Binon-an WS	SP	1	7.2	1,000	1	20.0	1,500	35
	Embarcadero WS	SP	1	86.4	30	1	54.0	40	21
	Municipal Total		3	100.8	1,050	3	128.0	1,790	65
	Gines Patag WS	DW	1	19.8	250	1	10.0	100	6
	J. Montinola WS	SP	1	5.8	30	1	16.0	2,500	7
	Municipal Total		1/1	25.6	280	2	26.0	2,600	13
Carles	Alipata WS	SP	1	43.2	20	1	30.0	50	9
	Ashuman WS	SP	1	43.2	20	1	30.0	80	4
	Bancal Proper WS	SW	1	9.0	10	1	30.0	500	5
	Bancal WS	DW	1	10.8	10	1	30.0	500	6
	Buaya & Caña WS	SP	1	72.0	100	1	30.0	200	8
	Dayhagan WS	SW	1	27.0	10	1	10.0	1,000	45
	Gabi WS	SP	1	172.8	30	1	2.8	1,500	10
	Lantangan WS	SP	1	18.0	20	1	30.0	150	10
	Punta Batuanan WS	SP	1	43.2	10	1	30.0	50	10
	San Fernando (Caburhan) W	SP	1	21.6	20	1	15.0	80	10
	San Fernando WS	SP	1	43.2	20	1	20.0	100	5
	Taunting WS	SP	1	86.4	15	1	20.0	50	5
	Municipal Total		1/9/2	590.4	285	12	277.8	4,260	127

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
Sheet 1 of 6

Name of Municipality/City	Name of Operating Body	Water Source			Existing Facilities				
		Type	Number	Discharge (m ³ /day)	Length of Transmission Line (meter)	Reservoir		Length of Distribution Line (meter)	Number of Public Faucets
						Number	Volume (m ³)		
Concepcion	Bagongon WS	SP	1	28.8	200	1	8.0	300	5
	Balabago WS	SP	1	28.8	50	1	6.0	300	4
	Dungon WS	SP	1	28.8	500	1	6.0	400	5
	Igbon WS	SP	1	28.8	300	1	6.0	500	5
	Malioglog WS	SP	1	36.0	400	1	6.0	300	4
	Polopiña WS	SP	1	57.6	500	1	6.0	300	4
	Tambaliza WS	SP	1	108.0	500	1	6.0	500	10
	Municipal Total	SP	7	316.8	2,450	7	44.0	2,600	37
	Lincud WS	SP	1	172.8	30	4	28.3	1,500	49
	Moroboro WS	SP	1	172.8	500	2	68.0	75	7
Dingle	Municipal Total	SP	2	345.6	530	6	96.3	1,575	56
	Bongol San Miguel WS	SP	1	86.4	80	1	20.0	10	4
	Calampitao WS	SW	1	151.2	250	1	20.0	35	7
	Municipal Total	SP/SW	1/1	237.6	330	2	40.0	45	11
Igbaras	Bagacayan WS	SP	1	172.8	1,500	1	7.8	250	4
	Binanua-an WS	SP	1	518.4	750	1	7.2	200	7
	Buнавista WS	SP	1	518.4	450	1	3.4	100	6
	Santa Barbara WS	SP	1	345.6	3,000	1	12.0	150	5
	Talaytay WS	SP	1	345.6	1,000	1	8.0	100	5
	Taytay WS	SP	1	345.6	250	4	12.0	150	4
	Tugbanaba WS	SP	1	691.2	500	1	2.2	150	7
	Municipal Total	SP	7	2,937.6	7,450	10	52.6	1,100	38
	Cagamutan Norte WS	DW	1	115.2	10	1	10.0	500	16
	Cagamutan Sur WS	SW	1	18.0	10	1	29.3	50	5
Leganes	San Vicente WS	DW	1	259.2	220	2	15.1	50	6
	Municipal Total	DW/SW	2/1	392.4	240	4	54.4	600	27
	Cabantohan WS	SP	1	86.4	86.4	1	30.0	1,500	8

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
Sheet 1 of 6

Name of Municipality/City	Name of Operating Body	Water Source		Existing Facilities						
		Type	Number	Discharge (m ³ /day)	Length of Transmission Line (meter)	Reservoir		Length of Distribution Line (meter)	Number of Public Faucets	
						Number	Volume (m ³)			
Leon	Agta WS	SP	1	22.5	50	1	15.0	25	4	
	Apian WS	SP	1	22.5	60	1	15.0	25	4	
	Avanzada WS	SP	1	21.6	50	1	15.0	25	4	
	Ayubo WS	SP	1	21.6	50	1	20.0	25	5	
	Bucari WS	SP	1	22.5	200	1	15.0	50	5	
	Camandag WS	SP	1	22.5	200	1	15.0	50	4	
	Carolina WS	SP	1	22.5	50	1	20.0	30	4	
	Dorog WS	SP	1	21.6	150	1	20.0	50	5	
	Dusacan WS	SP	1	21.6	75	1	18.0	25	5	
	Igcadios WS	SP	1	22.5	90	1	20.0	40	6	
	Ingay WS	SP	1	21.6	50	1	18.0	30	4	
	Oluangan WS	SP	1	21.6	55	1	15.0	30	4	
	Municipal Total			12	264.4	1,080	11	206.0	405	54
	Miagao	Bacolod BWSA	SP	1	43.2	1,000	1	18.0	500	7
Banuyao BWSA		SP	1	86.4	400	1	20.0	500	10	
Dalije BWSA		SP	1	129.6	1,000	1	20.0	500	14	
Mambarad BWSA		SP	1	43.2	400	1	18.0	100	4	
Municipal Total			4	302.4	2,800	4	76.0	1,600	35	
Jaguimitan & Talongonan W		SP	1	129.6	1,000	1	15.0	500	5	
Pai-agon WS		SP	1	547.2	380	1	5.0	500	38	
Pajo WS		SP	1	72.0	10	1	8.2	300	4	
Agdairan WS		SP	1	17.3	20	1	14.5	100	4	
Bagacay WS		SP	1	18.0	500	2	28.3	100	5	
San Dionisio	Borongon WS	SP	1	43.2	20	1	10.0	300	4	
	Canas WS	SP	1	0.7	20	1	10.0	500	4	
	Capinang WS	SP	1	21.6	20	1	8.2	500	6	
	Cudionan WS	SP	1	43.2	20	1	7.3	1,500	4	
	Mactaniag WS	SP	1	69.1	10	1	27.0	2,500	14	

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

Sheet 1 of 6

Name of Municipality/City	Name of Operating Body		Water Source			Existing Facilities			Number of Public Faucets	
			Type	Number	Discharge (m ³ /day)	Length of Transmission Line (meter)	Reservoir			Length of Distribution Line (meter)
							Number	Volume (m ³)		
San Dionisio	Moto WS	1	1	21.6	30	1	20.0	300	4	
	Odiongan WS	1	1	43.2	150	1	28.3	700	4	
	Pase WS	1	1	8.6	20	1	16.2	500	4	
	San Nicolas WS	1	1	172.8	15	1	3.6	1,000	9	
	Sua WS	1	1	345.6	30	1	14.5	1,000	15	
	Municipal Total	12	12	805.0	855	13	187.9	9,000	77	77
	San Joaquin	Antalon WS	1	1	25.2	15	1	4.0	1,000	5
		Bad-as WS	1	1	21.6	500	1	2.0	100	4
		Balabago WS	1	1	40.3	300	1	6.0	670	8
		Bayunan WS	1	1	14.4	1,000	1	4.0	50	5
Cadluman WS		1	1	14.4	60	1	2.0	120	4	
Carnaba-an WS		1	1	25.9	300	1	6.5	200	6	
Carma WS		1	1	14.4	120	2	20.0	100	4	
Cata-an WS		1	1	14.4		1	8.0	1,800	4	
Crossing Dapuyan WS		1	1	86.4	1,000	2	7.5	1,000	20	
Cubay WS		1	1	14.4	200	1	4.5	100	5	
	Cumarasca WS	1	1	43.2		1	6.0	1,000	8	
	Danawan WS	1	1	51.8	300	1	1.5	780	7	
	DoIdol WS	1	1	21.6	30	1	1.5	20	5	
	Dongoc WS	1	1	14.4	800	1	5.0	150	4	
	Ginot-an WS	1	1	17.3	100	1	9.0	20	5	
	Igbangcal WS	1	1	72.0	500	1	2.5	200	6	
	Igcabutong WS	1	1	14.4	1,440	1	5.0	40	4	
	Igcadlum WS	1	1	14.4	400	1	5.0	50	4	
	Igcaratong WS	1	1	30.2	500	1	1.5	200	4	
	Igcores WS	1	1	21.6	50	1	8.0	20	6	
	Igdagmay WS	1	1	14.4	200	1	4.5	120	5	
	Igpayong WS	1	1	14.4	300	1	3.0	100	4	

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
Sheet 1 of 6

Name of Municipality/City	Name of Operating Body		Water Source		Existing Facilities					
			Type	Number	Discharge (m ³ /day)	Length of Transmission Line (meter)	Reservoir		Length of Distribution Line (meter)	Number of Public Faucets
							Number	Volume (m ³)		
San Joaquin	SP	1	25.9	300	1	6.0	200	4		
	SP	1	14.4	180	1	8.0	150	4		
	SP	1	25.9	550	1	7.0	220	5		
	SP	1	25.9	2,100	1	5.5	300	12		
	SP	1	14.4	500	1	3.5	100	5		
	SP	1	21.6	1,000	1	3.0	250	5		
	SP	1	14.4		1	2.0	300	4		
	SP	1	30.2	1,500	1	9.0	60	7		
	SP	1	57.6	250	1	5.0	2,000	6		
	SP	1	17.3	540	1	30.0	80	5		
	SP	1	14.4		1	12.0	300	4		
	SP	1	14.4	1,500	1	13.0	300	30		
	SP	1	17.3	2,000	1	13.0	300	14		
	SP	1	25.9	180	1	10.0	450	5		
	SP	1	18.0	300	1	6.0	250	5		
	SP	1	14.4	800	1	12.0	540	5		
	SP	1	17.3	500	1	5.0	200	10		
	SP	1	18.0	200	1	5.0	20	4		
	SP	1	30.2	360	1	9.0	910	8		
	SP	1	21.6	300	1	5.0	50	6		
San Miguel	SP	42	1,040.4	21,175	44	286.0	14,820	275		
	SW	1	280.8	700	2	27.0	50	13		
	SW	1	57.6	1,000	5	2.0	1,200	4		
	SW	2	338.4	1,700	7	29.0	1,250	17		
	SP	1	172.8	1,500	1	6.0	1,500	12		
Sara	SP	1	172.8	1,200	1	7.3	3,000	14		
	SP	1	172.8	3,312	1	28.4	3,312	30		
	SP	3	518.4	6,012	3	41.7	7,812	56		

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
Sheet 1 of 6

Name of Municipality/City	Name of Operating Body	Water Source			Discharge (m ³ /day)	Length of Transmission Line (meter)	Existing Facilities			
		Type	Number	Number			Reservoir Volume (m ³)	Length of Distribution Line (meter)	Number of Public Faucets	
Tigbauan	Bagumbayan WS	DgW	1		97.2	300	1	8.0	50	9
	Barangay 8	SW	1		590.4	600	1	12.0	100	6
	Parara Sur WS	SW	1		453.6	300	1	3.0	100	42
	Tan Pael	SW	1		57.6	250	1	12.0	100	8
	Municipal Total	DgW/SW	1/3		1,198.8	1,450	4	35.0	350	65
Tubungan	Cadabdab	SP	1		86.4	2,000	4	2.0	50	5
	Igpaho WS	SP	1		86.4	1,000	2	2.3	100	4
	Igtuble WS	SP	1		86.4	1,500	3	4.0	50	10
	Jolason	SP	1		86.4	800	3	6.0	100	5
	Lanag Norte WS	SP	1		86.4	1,500	3	6.1	100	9
	Lanag Sur WS	SP	1		86.4	100	1	5.7	50	4
	Molina WS	SP	1		86.4	500	2	3.4	100	4
	Navillan WS	SP	1		86.4	600	2	8.2	80	2
	Tagpuan WS	SW	1		81.0	27	2	2.0	250	9
	Zone 1 WS	SP	1		103.7	1,000	2	8.2	50	5
	Municipal Total	SP/SW	9/1		875.9	9,027	24	47.9	930	57
	Provincial Total		163		15,667.6	80,440	205	2,478.1	70,973	1,316

Note: 1. Type of Water Source; *DW* - Deep Well, *DgW* - Dug Well, *Surf* - Surface Water (River), *SP* - Spring, and *IG* - Infiltration Gallery

Table 4.1.2 Details on Existing Level II Systems
Sheet 2 of 6

Name of Municipality/City	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	
Ajuy	B. Bungles, P. Nava		3	3		20	20		100	100	
	Barrido WS		1	1		70	70		350	350	
	Bay-ang WS		1	1		65	65		325	325	
	Central WS		1	1		45	45		225	225	
	Culasi WS		1	1		35	35		175	175	
	Pedada WS		1	1		20	20		100	100	
	Pili		1	1		55	55		275	275	
	Punta Buri WW		1	1		75	75		375	375	
	Tagubanhan WS		1	1		75	75		375	375	
	Municipal Total		11	11		460	460		2,300	2,300	
	Alimodian	Bancal WS		1	1		30	30		150	150
		Binalud WS		1	1		20	20		100	100
		Cabacanan Proper WS		1	1		35	35		175	175
		Cabacanan Rizal WS		1	1		35	35		175	175
		Coline WS		1	1		30	30		150	150
		Cunsad WS		1	1		25	25		125	125
		Dao WS		1	1		20	20		100	100
Lico WS			1	1		20	20		100	100	
Luan-juan WS			1	1		20	20		100	100	
Malambay WS			1	1		20	20		100	100	
Manduyog WS			1	1		30	30		150	150	
Pajo WS			1	1		20	20		100	100	
Sinamay WS			1	1		25	25		125	125	
Sulong WS			1	1		30	30		150	150	
Taban-Manguining WS			1	1		35	35		175	175	
Tabug WS			1	1		20	20		100	100	
Tarug WS			1	1		20	20		100	100	
Municipal Total		17	17		435	435		2,175	2,175		

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
Sheet 2 of 6

Name of Municipality/City	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
Badiangan	Inligan WWA		1	1		50	50		250	250
	Lipata WS		1	1		45	45		225	225
Barotac Viejo	Puerto Princesa WS		1	1		100	100		500	500
	San Francisco WS		1	1		60	60		300	300
Batad	Santiago (Purok I) WS		1	1		85	85		425	425
	Santiago (Purok III) WS		1	1		25	25		125	125
Batad	Municipal Total		5	5		315	315		1,575	1,575
	Alinsolong WS		1	1		45	45		225	225
Cabatuan	Binon-an WS		1	1		175	175		875	875
	Embarcadero WS		1	1		105	105		525	525
Cabatuan	Municipal Total		3	3		325	325		1,625	1,625
	Gines Patag WS	1		1	30		30	150		150
Carles	J. Montinola WS	1		1	35		35	175		175
	Municipal Total	2		2	65		65	325		325
Carles	Alipata WS		1	1		45	45		225	225
	Asluman WS		1	1		20	20		100	100
Carles	Bancal Proper WS		1	1		25	25		125	125
	Bancal WS		1	1		30	30		150	150
Carles	Buaya & Caña WS		2	2		40	40		200	200
	Dayhagan WS		1	1		75	75		375	375
Carles	Gabi WS		1	1		50	50		250	250
	Lantangan WS		1	1		50	50		250	250
Carles	Punta Batuanan WS		1	1		50	50		250	250
	San Fernando (Caburhan) WS		1	1		50	50		250	250
Carles	San Fernando WS		1	1		25	25		125	125
	Taunting WS		1	1		25	25		125	125
Carles	Municipal Total		13	13		485	485		2,425	2,425

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
Sheet 2 of 6

Name of Municipality/City	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
Concepcion	Bagongon WS		1	1		5	5		25	25
	Balabago WS		1	1		4	4		20	20
	Dungon WS		1	1		5	5		25	25
	Igbon WS		1	1		5	5		25	25
	Malioglog WS		1	1		4	4		20	20
	Polopiña WS		1	1		4	4		20	20
	Tambaliza WS		1	1		10	10		50	50
Municipal Total			7	7		37	37		185	185
Dingle	Lincud WS		1	1		245	245		1,225	1,225
	Moroboro WS		1	1		35	35		175	175
Municipal Total			2	2		280	280		1,400	1,400
Guimbal	Bongol San Miguel WS		1	1		20	20		100	100
	Calampitao WS		1	1		35	35		175	175
	Municipal Total		2	2		55	55		275	275
Igaras	Bagacayan WS		1	1		20	20		100	100
	Binanua-an WS		1	1		35	35		175	175
	Buнавista WS		1	1		30	30		150	150
	Santa Barbara WS		1	1		25	25		125	125
	Talaytay WS		1	1		25	25		125	125
	Taytay WS		1	1		20	20		100	100
	Tugbanaba WS		1	1		35	35		175	175
	Municipal Total		7	7		190	190		950	950
Leganes	Cagamutan Norte WS		1	1		80	80		400	400
	Cagamutan Sur WS	1		1		25	25		125	125
	San Vicente WS	2		2		30	30		150	150
Municipal Total	3	1	4		55	80	135	675	675	
Lernery	Cabantohan WS		1	1		40	40		200	200

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
Sheet 2 of 6

Municipality/City	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
Leon	Agta WS		1	1		20	20		100	100
	Apian WS		1	1		20	20		100	100
	Avanzada WS		1	1		20	20		100	100
	Ayubo WS		1	1		25	25		125	125
	Bucari WS		1	1		25	25		125	125
	Camandag WS		1	1		20	20		100	100
	Carolina WS		1	1		20	20		100	100
	Dorog WS		1	1		25	25		125	125
	Dusacan WS		1	1		25	25		125	125
	Igcadios WS		1	1		30	30		150	150
	Ingay WS		1	1		20	20		100	100
	Oluangan WS		1	1		20	20		100	100
Municipal Total		12	12	12	270	270	270	1,350	1,350	
Miagao	Bacolod BWSA		1	1		35	35		175	175
	Banuyao BWSA		1	1		50	50		250	250
	Dalije BWSA		1	1		70	70		350	350
	Mambatac BWSA		1	1		20	20		100	100
	Municipal Total		4	4	4	175	175	175	875	875
Passi City	Jaguimitan & Talongonan WS		2	2		25	25		125	125
Pavia	Pal-agon WS		1	1		190	190		950	950
Pototan	Pajo WS		1	1		20	20		100	100
San Dionisio	Agdahran WS		1	1		20	20		100	100
	Bagacay WS		1	1		25	25		125	125
	Borongon WS		1	1		20	20		100	100
	Canas WS		1	1		20	20		100	100
	Capinang WS		1	1		30	30		150	150
	Cucionan WS		1	1		20	20		100	100
Madanlag WS		1	1	1	70	70	70	350	350	

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
Sheet 2 of 6

Name of Municipality/City	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	
San Dionisio	Moto WS		1	1		20	20		100	100	
	Odiongan WS		1	1		20	20		100	100	
	Pase WS		1	1		20	20		100	100	
	San Nicolas WS		1	1		45	45		225	225	
	Sua WS		1	1		75	75		375	375	
	Municipal Total		16	16		620	620		3,100	3,100	
	San Joaquin	Antalon WS		1	1		25	25		125	125
		Bad-as WS		1	1		20	20		100	100
		Balabago WS		1	1		40	40		200	200
		Bayunan WS		1	1		25	25		125	125
Cadluman WS			1	1		20	20		100	100	
Camaba-an WS			1	1		30	30		150	150	
Camia WS			1	1		20	20		100	100	
Cata-an WS			1	1		20	20		100	100	
Crossing Dapuyan WS			1	1		100	100		500	500	
Cubay WS			1	1		25	25		125	125	
Cumarascas WS			1	1		40	40		200	200	
Danawan WS			1	1		35	35		175	175	
Doldol WS			1	1		25	25		125	125	
Dongoc WS			1	1		20	20		100	100	
Ginot-an WS			1	1		25	25		125	125	
Igbangcal WS		1	1		30	30		150	150		
Igcabutong WS		1	1		20	20		100	100		
Igcadlum WS		1	1		20	20		100	100		
Igcaratong WS		1	1		20	20		100	100		
Igcores WS		1	1		30	30		150	150		
Igdagmay WS		1	1		25	25		125	125		
Ispayong WS		1	1		20	20		100	100		

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
Sheet 2 of 6

Municipality/City	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
San Joaquin	Jawod WS		1	1		20	20		100	100
	Langca WS		1	1		20	20		100	100
	languanan WS		1	1		25	25		125	125
	Lawigan WS		1	1		60	60		300	300
	Mabini Norte WS		1	1		25	25		125	125
	Mabini Sur WS		1	1		25	25		125	125
	Marinila WS		1	1		20	20		100	100
	Masagud WS		1	1		35	35		175	175
	Matambog WS		1	1		30	30		150	150
	Nagsipit WS		1	1		25	25		125	125
	Panatan WS		1	1		20	20		100	100
	Pitogo WS		1	1		150	150		750	750
	Qui-anan WS		1	1		70	70		350	350
	Roma WS		1	1		25	25		125	125
	San Luis WS		1	1		25	25		125	125
	San Mateo Norte WS		1	1		25	25		125	125
	Taslan WS		1	1		50	50		250	250
Tiglawá WS		1	1		20	20		100	100	
Tiolas WS		1	1		40	40		200	200	
Ulay WS		1	1		30	30		150	150	
Municipal Total			42	42	1,375	1,375		6,875	6,875	
San Miguel	Santa Cruz WS		1	1		65	65		325	325
	Santo Angel BWSA		1	1		20	20		100	100
	Municipal Total		2	2		85	85		425	425
Sara	Apelo WS		1	1		60	60		300	300
	Crespo WS		1	1		70	70		350	350
	San Luis WWS		1	1		150	150		750	750
	Municipal Total		3	3		280	280		1,400	1,400

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
Sheet 2 of 6

Name of Municipality/City	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
Tigbauan	Bagumbayan WS		1	1		45	45		225	225
	Barangay 8		1	1		30	30		150	150
	Parara Sur WS		1	1		210	210		1,050	1,050
	Tan Pael		1	1		40	40		200	200
	Municipal Total		4	4		325	325		1,625	1,625
Tubungan	Cadabdab		1	1		25	25		125	125
	Igpabo WS		1	1		20	20		100	100
	Igtible WS		1	1		50	50		250	250
	Jolason		1	1		25	25		125	125
	Lanag Norte WS		1	1		45	45		225	225
	Lanag Sur WS		1	1		20	20		100	100
	Molina WS		1	1		20	20		100	100
	Navillan WS		1	1		10	10		50	50
	Tagpuan WS		1	1		45	45		225	225
	Zone 1 WS	1		1	25		25	125		125
	Municipal Total	1	9	10	25	260	285	125	1,300	1,425
Provincial Total	6	162	168	185	6,102	6,287	450	30,985	31,435	

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

Name of Municipality/City	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
Ajuy	B. Bungles, P. Navarro & Rd	8								
	Barrido WS	8								
	Bay-ang WS	4								
	Central WS	24								
	Culasi WS	24								
	Pedada WS	4								
	Pili	8								
	Punta Buri WW	3								
	Tagubanhon WS	6								
	Bancal WS	5								
	Binahud WS	24								
	Cabacanan Proper WS	24								
	Cabacanan Rizal WS	24								
	Coline WS	3								
	Cunsad WS	24								
Dao WS	24									
Lico WS	24									
Luan-luan WS	24									
Malambay WS	24									
Manduyog WS	24									
Pajo WS	24									
Sinamay WS	24									
Sulong WS	24									
Taban-Manguining WS	2									
Tabug WS	24									
Tarug WS	24									
Iniligan WWA	2									
Badiangan										

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

Name of Municipality/City	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	
Barotac Viejo	Lipata WS	12									
	Puerto Princesa WS	20									
	San Francisco WS	12									
	Santiago (Purok I) WS	2									
	Santiago (Purok III) WS	24									
	Alinsolong WS	4									
	Binon-an WS	4									
	Embarcadero WS	24									
	Gines Patag WS	2									
	J. Montinola WS	4									
Carles	Alipata WS	12									
	Asluman WS	12									
	Bancal Proper WS	4									
	Bancal WS	6									
	Buaya & Caña WS	20									
	Dayhagan WS	2									
	Gabi WS	24									
	Lantangan WS	5									
	Punta Batuanan WS	12									
	San Fernando (Caburihan) W	6									
Concepcion	San Fernando WS	4									
	Taunting WS	12									
	Bagongon WS	4									
	Balabago WS	4									
	Dungon WS	4									
	Igbon WS	4									

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

Name of Municipality/City	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			
Concepcion	Malioglog WS	5											
	Polopiña WS	4											
	Tambaliza WS	6											
	Lincud WS	24											
	Moroboro WS	12											
	Bongol San Miguel WS	24											
Guimbal	Calampitao WS	12											
	Bagacayan WS	24											
	Binanua-an WS	24											
	Buena Vista WS	24											
	Santa Barbara WS	24											
	Talaytay WS	24											
Igaras	Taytay WS	24											
	Tugbanaba WS	24											
	Cagamutan Norte WS	24											
	Cagamutan Sur WS	2											
	San Vicente WS	24											
	Cabaniohan WS	24											
Leganes	Agra WS	24											
	Apian WS	24											
	Avanzada WS	24											
	Ayubo WS	24											
	Bucari WS	24											
	Camandag WS	24											
Lemery	Carolina WS	24											
	Dorog WS	24											
	Dusacan WS	24											

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

Name of Municipality/City	Name of Operating Body	Supply (Hrs/day)	Dirty Water ¹	Taste or Smell ²	Service Conditions During Dry Season						
					Power Failure	Pump Breakdown	Pipe Burst	Others	Adequate	Inadequate	
Leon	Igcadios WS	24									
	Ingay WS	24									
Mlagao	Oluangan WS	24									
	Bacolod BWSA	24									
	Banuyao BWSA	24									
	Dalije BWSA	24									
	Mambatac BWSA	24									
	Jaguimitan & Talongonan W	24									
Passi City	Pal-agon WS	8									
Pavia	Pajo WS	10									
San Dionisio	Agdairan WS	24									
	Bagacay WS	5									
	Borongon WS	24									
	Canas WS	2									
	Capinang WS	12									
	Cudionan WS	24									
	Madanlag WS	24									
	Moto WS	12									
	Odiangan WS	24									
	Pase WS	12									
	San Nicolas WS	24									
	Sua WS	24									
	San Joaquin	Antalon WS	14								
Bad-as WS		12									
Balabago WS		14									
Bayunan WS		8									
Cadlunan WS		8									
Camaba-an WS		12									

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

Name of Municipality/City	Name of Operating Body	Supply (Hrs/day)	Dirty Water ¹	Taste or Smell ²	Service Conditions During Dry Season						Supply Water		
					Power Failure	Pump Breakdown	Pipe Burst	Others	Adequate	Inadequate			
San Joaquin	Camia WS	8											
	Cata-an WS	8											
	Crossing Dapuyan WS	12											
	Cubay WS	8											
	Cumarasca WS	24											
	Danawan WS	18											
	Doldol WS	12											
	Dongoc WS	8											
	Ginot-an WS	8											
	Igbangcal WS	8											
	Igcabutong WS	8											
	Igcadlum WS	8											
	Igaratong WS	12											
	Igcores WS	12											
	Igdagmay WS	8											
	Igpayong WS	8											
	Jawod WS	12											
	Langa WS	8											
	Languanan WS	12											
	Lawigan WS	12											
	Mabini Norte WS	8											
	Mabini Sur WS	12											
	Maninila WS	8											
	Masagud WS	14											
	Matambog WS	20											
	Nagsipit WS	8											
	Panatan WS	8											

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

Name of Municipality/City	Name of Operating Body	Service Conditions During Dry Season								
		Supply (Hrs/day)	Dirty Water ¹	Taste or Smell ²	Power Failure	Pump Breakdown	Pipe Burst	Others	Adequate	Inadequate
San Joaquin	Pitogo WS	8								
	Qui-anan WS	8								
	Roma WS	12								
	San Luis WS	10								
	San Mateo Norte WS	8								
	Tasian WS	8								
	Tiglawas WS	10								
	Tiolas WS	14								
	Ulay WS	12								
	Santa Cruz WS	12								
San Miguel	Santo Angel BWSA	8								
	Apelo WS	24								
Sara	Crespo WS	24								
	San Luis WWS	24								
Tigbauan	Bagumbayan WS	6								
	Barangay 8	8								
Tubungan	Parara Sur WS	6								
	Tan Pael	4								
	Cadabdab	24								
	Igpaho WS	24								
	Igruble WS	24								
	Jolason	24								
	Lanag Norte WS	24								
	Lanag Sur WS	24								
	Molina WS	24								
	Navillan WS	24								
Zone 1 WS	Tagpuan WS	5								
	Zone 1 WS	24								

Table 4.1.2 Details on Existing Level II Systems
Sheet 4 of 6

Name of Municipality/City	Name of Operating Body	Technical Staff	Administrative Staff	Collector	Number of Staff			Repair Work		
					Total Number of Staff	Local Trademan	MEO/CEO	DEO	Others	
Ajuy	B. Bungles, P. Navarro & Rojas WS	1	5	1	7	✓				
	Barrido WS					✓				
	Bayang WS					✓				
	Central WS			1	1	✓				
	Culasi WS					✓				
	Pedada WS			1	1	✓				
	Pili			2	2	✓				
	Punta Buri WW					✓				
	Tagubanhon WS					✓				
	Bancal WS									Brgy. Off.
	Binalud WS									Brgy. Off.
	Cabacanan Proper WS									Brgy. Off.
	Cabacanan Rizal WS									Brgy. Off.
	Colime WS		3	5	2	10	✓			
	Cursad WS									Brgy. Off.
Dao WS									Brgy. Off.	
Lico WS									Brgy. Off.	
Luan-luan WS									Brgy. Off.	
Malamhay WS									Brgy. Off.	
Manduyog WS		8			8				Brgy. Off.	
Pajo WS									Brgy. Off.	
Sinamay WS									Brgy. Off.	
Sulong WS									Brgy. Off.	
Taban-Manguining WS									Brgy. Off.	
Tabug WS									Brgy. Off.	
Tarug WS									Brgy. Off.	
Imihgan WWA		10		11	21				Brgy. Off.	
Badiangan									PEO	

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

Name of Municipality/City	Name of Operating Body	Technical Staff	Administrative Staff	Collector	Total Number of Staff	Number of Staff			
						Local Tradesman	MEO/CEO	DEO	Others
Barotac Viejo	Lipata WS					✓			
	Puerto Princesa WS					✓			
	San Francisco WS								
	Santiago (Purok I) WS								
	Santiago (Purok III) WS					✓			
	Alinsolong WS					✓			
	Bimon-an WS					✓			
	Embarcadero WS					✓			
	Gines Patag WS	1	1	1	1	3	✓		
	J. Montinola WS	1	10	2	2	13	✓		
Carles	Alipata WS					✓			
	Asluman WS					✓			
	Bancal Proper WS	1	1		2	✓			
	Bancal WS	1	1		2	✓			
	Buaya & Caña WS					✓			
	Dayhagan WS					✓			
	Gabi WS					✓			
	Lantangan WS					✓			
	Punta Batuanan WS					✓			
	San Fernando (Caburihan) WS					✓			
Concepcion	San Fernando WS					✓			
	Taunting WS					✓			
	Bagongon WS			1	1	✓			
	Balabago WS			1	1	✓			
	Dungon WS			1	1	✓			
	Igbon WS			1	1	✓			
							✓		

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

Name of Municipality/City	Name of Operating Body	Number of Staff					Repair Work		
		Technical Staff	Administrative Staff	Collector	Total Number of Staff	Local Trademan	MEO/CEO	DEO	Others
Concepcion	Malioglog WS			1	1	✓			
	Polopiña WS			1	1	✓			
	Tambaliza WS			1	1	✓			
Dingle	Lincud WS					✓			
	Morobero WS					✓			
Guimbal	Bongol San Miguel WS								Brgy. Off.
	Calampitao WS	1	4	1	6	✓			
Igaras	Bagacayan WS								Brgy. Off.
	Binanua-an WS								Brgy. Off.
	Buena Vista WS								Brgy. Off.
	Santa Barbara WS								Brgy. Off.
	Talaytay WS								Brgy. Off.
	Taytay WS								Brgy. Off.
	Tugbanaba WS								Brgy. Off.
Leganes	Cagamutan Norte WS						✓		
	Cagamutan Sur WS						✓		
Lemery	San Vicente WS	2	5	2	9				
	Cabantohan WS						✓		
Leon	Agta WS						✓		
	Apian WS						✓		
	Avanzada WS						✓		
	Ayubo WS						✓		
	Bucari WS						✓		
	Camandag WS						✓		
	Carolina WS						✓		
	Dorog WS						✓		

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

Name of Municipality/City	Name of Operating Body	Technical Staff	Administrative Staff	Collector	Total Number of Staff	Number of Staff			
						Local Trademan	MEO/CEO	DBO	Others
Leon	Dusacan WS					✓			
	Igcadios WS					✓			
	Ingay WS					✓			
	Ojuangan WS					✓			
Miagao	Bacolod BWSA								Brgy. Off.
	Banuyao BWSA								Brgy. Off.
	Dahje BWSA								Brgy. Off.
	Mambatac BWSA								Brgy. Off.
Passi City	Jaguimitan & Talongonan WS					✓			
	Pal-agon WS		7	1	8	✓			
Pototan	Pajo WS					✓			
San Dionisio	Agdaliran WS								Brgy. Off.
	Bagacay WS					✓			
	Borongon WS					✓			
	Canas WS					✓			
	Capinang WS					✓			
	Cudionan WS					✓			
	Madanlag WS								Brgy. Off.
	Moto WS						✓		
	Odiangan WS						✓		
	Pasc WS						✓		
	San Nicolas WS						✓		
	Sua WS								
San Joaquin	Antalon WS								Brgy. Off.
	Bad-as WS								Brgy. Off.
	Balabago WS								Brgy. Off.
	Bayunan WS								Brgy. Off.
	Cadluman WS								Brgy. Off.

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

Name of Municipality/City	Name of Operating Body	Technical Staff	Administrative Staff	Collector	Total Number of Staff	Number of Staff			
						Local Tradesman	MEO/CEO	DEO	Others
San Joaquin	Camaba-an WS								Brgy. Off.
	Camia WS								Brgy. Off.
	Cata-an WS								Brgy. Off.
	Crossing Dapuyan WS								Brgy. Off.
	Cubay WS								Brgy. Off.
	Cumarascas WS								Brgy. Off.
	Danawan WS								Brgy. Off.
	Doldol WS								Brgy. Off.
	Dongoc WS								Brgy. Off.
	Gimot-an WS								Brgy. Off.
	Igbangcal WS								Brgy. Off.
	Igcabutong WS								Brgy. Off.
	Igcadium WS								Brgy. Off.
	Igcaratong WS								Brgy. Off.
	Igcortes WS								Brgy. Off.
	Igdagmay WS								Brgy. Off.
	Igpayong WS								Brgy. Off.
	Jawod WS								Brgy. Off.
	Langca WS								Brgy. Off.
	Languanan WS								Brgy. Off.
	Lawigan WS								Brgy. Off.
	Mabini Norte WS								Brgy. Off.
	Mabini Sur WS								Brgy. Off.
	Manimila WS								Brgy. Off.
	Masagud WS								Brgy. Off.
	Matambog WS								Brgy. Off.
	Nagsipit WS								Brgy. Off.
	Panatan WS								Brgy. Off.

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

Name of Municipality/City	Name of Operating Body	Number of Staff					Repair Work		
		Technical Staff	Administrative Staff	Collector	Total Number of Staff	Local Trademan	MEO/CEO	DEO	Others
San Joaquin	Pitogo WS								Brgy. Off.
	Qui-anan WS								Brgy. Off.
	Roma WS								Brgy. Off.
	San Luis WS								Brgy. Off.
	San Mateo Norte WS								Brgy. Off.
	Taslan WS								Brgy. Off.
	Tiglawá WS								Brgy. Off.
	Tiolas WS								Brgy. Off.
San Miguel	Ulay WS								Brgy. Off.
	Santa Cruz WS					✓			
	Santo Angel BWSA					✓			
	Apcio WS					✓			
Sara	Crespo WS					✓			
	San Luis WWS					✓			
Tigbauan	Bagumbayan WS					✓			
	Barangay 8	1	11	5	17	✓			
	Parara Sur WS	1	8	1	10	✓			
	Tan Pacl	1	3	1	5	✓			
	Cadabdab					✓			
Tubungan	Igpaho WS					✓			
	Ignoble WS					✓			
	Jolason					✓			
	Lanag Norte WS					✓			
	Lanag Sur WS					✓			
	Molima WS					✓			
	Navillian WS					✓			
Tagpuan WS					✓				
Zone 1 WS					✓				

Table 4.1.2 Details on Existing Level II Systems

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Municipality/City	Name of Operating Body	Expenditures										Tariff			Average Collection Efficiency (%)				
		Annual	Wages	Fuel, Chem.	Transport	Repairs	Loan Repayment	Other	Consumer Payment (Year)	Cost per Pail	Cost per Cu.	Cost per HH	Other						
		(P '000.00 / year)										(Pesos)			(%)				
Ajuy	B. Bungles, P. Navarro & Rojas WS																.25/20 L		
	Barrido WS																	free	
	Bay-ang WS		2.4				5										5		
	Central WS	4.8															1.35		
	Culasi WS					3.5											20		
	Pedada WS		7.2														25		
	Pili	8.3		1.5		2				4.8							25/20 L		
	Punta Buri WW	3.6															5		
	Tagubaranhan WS																	free	
	Bancai WS					0.2											20		
	Binalud WS	0.31																free	
	Cabacanan Proper WS																	free	
	Alimodian	Cabacanan Rizal WS									0.5								free
Colina WS		3	1.5	8.4	0.1	1											50		
Cunsad WS																		free	
Dao WS																		free	
Lico WS																		free	
Luan-juan WS																		free	
Malambay WS																		free	
Manduyog WS																		free	
Pajo WS																		25/20 L	
Sinamay WS																		free	
Sulong WS																		free	
Taban-Manguing WS																		free	
Badiangan		Tabug WS																	free
	Tanug WS						5											free	
	Iniligian WWA					3												free	
	Lipata WS																	free	
	Puerto Princesa WS																	free	
	San Francisco WS																	free	
Batad	Santiago (Purok I) WS																	20/mon.	
	Santiago (Purok III) WS																	free	
	Alinsolong WS																	free	
Cabatuan	Binon-an WS																	free	
	Embarcadero WS																	free	
	Gines Patag WS																	free	
J. Montinola WS	13.272	1.164	1.367	0.15	1.461	9.13	0.5										10		
																		50	

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
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Name of Municipality/City	Name of Operating Body	Annual	Expenditures (P 000.00 / year)						Tariff (Pesos)				Average Collection Efficiency (%)		
			Wages	Fuel, Chem. Mat'l	Transport	Repairs	Loan Repayment	Other	Consumer Payment	Cost per Pail	Cost per Cu. Meter	Cost per HH		Other	
Carles	Alipata WS														
	Ashuman WS														
	Banca! Proper WS	18									2				
	Banca! WS	10									1.5				
	Buaya & Caña WS														
	Dayhagan WS	14	4			3.5								40	
	Gabi WS													free	
	Lantangan WS														
	Punta Batuanan WS														
	San Fernando (Caburhan) WS														
Concepcion	San Fernando WS														
	Taunting WS														
	Bagongon WS	6	3.6				2.4								5
	Balabago WS	2.4	1.2				1.2								5
	Dungon WS	4.5	2.4				2.1								5
	Igbon WS	4.5	2.4				2.1								5
	Malioglog WS	4.8	2.4				2.4								5
	Polopita WS	6	3.6				2.4								5
	Tambaliza WS	7.2	3.6				3.6								5
	Lincud WS														
Dingle	Moroboro WS														
	Bongol San Miguel WS														
Guimbal	Calampitao WS	15.6					6								50
	Bagacayan WS														
Igaras	Binanua-an WS														
	Bucnavista WS														
	Santa Barbara WS														
	Talaytay WS														
	Taytay WS														
	Tugbanaba WS														
Leganes	Cagamutan Norte WS														
	Cagamutan Sur WS	5													5 50
	San Vicente WS	1		0.8			0.1				0.2	20			50
Lemery	Cabantohan WS														30

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
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Name of Municipality/City	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		Other
Leon	Agra WS												free	
	Apian WS												free	
	Avanzada WS												free	
	Ayubo WS												free	
	Bucari WS												free	
	Camandag WS												free	
	Carolina WS												free	
	Dorog WS												free	
	Dusacan WS												free	
	Igcadios WS												free	
	Ingay WS												free	
	Oluangan WS												free	
	Bacolod BWSA												free	
	Banuyao BWSA												free	
Daliye BWSA												free		
Mambatad BWSA												free		
Jaguimitan & Talongonan WS												free		
Pavia												50		
Pototan												free		
San Dionisio	Agdahan WS	10											free	
	Bagacay WS	1											5	
	Borongon WS	1	0.2										5	
	Canas WS												free	
	Capinang WS	1											5	
	Cudionan WS	1.5											5	
	Madanlag WS	1											5	
	Moto WS	1											10	
	Odiangan WS	1	2.4										5	
	Pase WS	1											free	
San Joaquin	San Nicolas WS	1											free	
	Sua WS	1											free	
	Antalon WS												free	
	Bad-as WS												free	
	Balabago WS												free	
	Bayunan WS												free	
Cadluman WS												free		

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
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Name of Municipality/City	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	Other
San Joaquin	Camaba-an WS													
	Carmita WS													
	Cata-an WS													
	Crossing Dapuyan V	2,164				3							15	
	Cubay WS													
	Cumaraseas WS													
	Danawan WS													
	Doldol WS													
	Dongoc WS													
	Ginot-an WS													
	Igbangcal WS													
	Igcabutong WS													
	Igcadium WS													
	Igcaraong WS													
	Igcoces WS													
	Igdagmay WS													
	Igpayong WS													
	Jawod WS													
	Langea WS													
	Languanan WS													
	Lawigan WS													
	Mabini Norte WS													
	Mabini Sur WS													
	Mamimila WS													
	Masagud WS													
	Matambog WS													
	Nagsipit WS													
	Panatan WS													
	Pitogo WS													
	Qui-man WS													
	Roma WS													
	San Luis WS													
	San Mateo Norte WS													
	Taslan WS													
	Tiglawla WS													
	Tiolas WS													
	Ulay WS													

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
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Name of Municipality/City	Name of Operating Body	Expenditures (P '000.00 / year)							Tariff (Pesos)				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		Other
San Miguel	Santa Cruz WS	24									36			
	Santo Angel BWSA	24				0.5					25			
Sara	Apelo WS	2.5											free	
	Crespo WS												free	
Tigbauan	San Luis WWS	1	0.15			0.7							5	
	Bagumbayan WS													
	Barangay 8												30	
	Parara Sur WS	18.75	7.2	1.5	0.45	9.6					75			
	Tan Pael	5				5					40			
Tubungan	Cadabab													
	Igpaño WS													
	Igrubie WS													
	Jolason													
	Lanag Norte WS													
	Lanag Sur WS													
	Molina WS													
	Navillan WS													
	Tagpuan WS													
	Zone I WS													15

Table 4.1.2 Details on Existing Level II Systems
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Name of Municipality/City	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	
Ajuy	B. Bungles, P. Navarro & Rojas WS											
	Barrido WS											
	Bay-ang WS						2.4	1.08	1.32			
	Central WS						8.16		8.16			
	Culasi WS			2.4			2.4		7.5			
	Pedada WS											
	Pili						1.3	9.6				
	Punta Buri WW			0.6					3.6			
	Tagubathan WS											
	Bancal WS											
	Binalud WS											
	Cabacanan Proper WS											
	Cabacanan Rizal WS											
	Colime WS		6									
Cunsad WS												
Dao WS												
Lico WS												
Luan-luan WS												
Malahay WS												
Mandyog WS												
Pajo WS												
Sinamay WS												
Sulong WS												
Taban-Manguining WS												
Tabug WS												
Tarug WS												
Iniligan WWA							34.2		0.36			
Badiangan												

Table 4.1.2 Details on Existing Level II Systems (Cont'd)
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Name of Municipality/City	Name of Operating Body	Annual Billing (Number)	Billings			Revenues				
			Public Faucet Consume	House Connection Consumers	Expected Subsidies	Others	Annual Income (P '000.00 / year)	Payment by Public Faucet Consumers	Payment by House Connection	Other
Barotac Viejo	Lipata WS									
	Puerto Princesa WS									
	San Francisco WS									
	Santiago (Purok I) WS									
	Santiago (Purok III) WS									
	Alinsolong WS									
	Binon-an WS									
	Embarcadero WS									
	Gines Patag WS	3								
	J. Montinola WS	0.36	0.6			29.1	18.9	10.2		
Carles	Alipata WS									
	Asluman WS									
	Bancal Proper WS									
	Bancal WS									
	Buaya & Caña WS									
	Dayhagan WS									
	Cabi WS									
	Lamtangan WS									
	Punta Batuanan WS									
	San Fernando (Caburihan) WS									
Concepcion	San Fernando WS									
	Taunting WS									
	Bagongon WS	6				6	6			
	Balabago WS	2.4				2.4	2.4			
	Dungon WS	4.5				4.5	4.5			
	Igbon WS	4.5				4.5	4.5			
	Malioglog WS	4.8				4.8	4.8			
	Polopiña WS	6				6	6			
	Tambaliza WS	7.2				7.2	7.2			

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

Name of Municipality/City	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
Dingle	Lincud WS										
	Moroboro WS										
Guimbal	Bongol San Miguel WS										
	Calampitao WS		9.6	0.6			19.8				
Igaras	Bagacayan WS										
	Binanua-an WS										
	Buenvista WS										
	Santa Barbara WS										
	Talaytay WS										
	Taytay WS										
	Tugbanaba WS										
	Cagamutan Norte WS										
	Cagamutan Sur WS										
	San Vicente WS						3	0.6	0.6		
Lemery Leon	Cabantohan WS										
	Agta WS										
	Apian WS										
	Avanzada WS										
	Ayubo WS										
	Bucari WS										
	Camandag WS										
	Carolina WS										
	Dorog WS										
	Dusacan WS										
	Igsadios WS										
	Ingay WS										
Oluangan WS											

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

Name of Municipality/City	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
Miagao	Bacolod BWSA										
	Banuyao BWSA										
	Dalije BWSA										
	Mambatad BWSA										
	Jaguimitan & Talongonan WS										
	Pal-agon WS										
	Pajo WS										
	Agdaliran WS										
	Bagacay WS										
	Borongon WS										
	Canas WS										
	Capinang WS										
	Cudionan WS										
Madaniag WS											
Moto WS											
Odiongan WS											
Pase WS											
San Nicolas WS											
Sua WS											
San Joaquin	Antalon WS										
	Bad-as WS										
	Balabago WS										
	Bayunan WS										
	Cadluman WS										
	Camaba-an WS										
	Camia WS										
	Cata-an WS										
	Crossing Dapuyan WS										
	Cubay WS										
Cumarascas WS											

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

Name of Municipality/City	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	
San Joaquin	Danawan WS											
	Doldol WS											
	Dongoc WS											
	Ginot-an WS											
	Igbangcal WS											
	Igcabutong WS											
	Igcdalum WS											
	Igaratong WS											
	Igcores WS											
	Igdagmay WS											
	Igpayong WS											
	Jawod WS											
	Langca WS											
	Languanan WS											
	Lawigan WS											
	Mabini Norte WS											
	Mabini Sur WS											
	Maninila WS											
	Masagud WS											
	Matambog WS											
	Nagsipit WS											
	Panatan WS											
	Pitogo WS											
	Qui-anan WS											
	Roma WS											
	San Luis WS											
	San Mateo Norte WS											

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

Name of Municipality/City	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
San Joaquin	Taslan WS										
	Tiglawas WS										
	Tiolas WS										
	Ulay WS										
San Miguel	Santa Cruz WS										
	Santo Angel BWSA										
Sara	Apelo WS						4.86				
	Crespo WS										
Tigbauan	San Luis WWS										
	Bagumbayan WS										
	Barangay 8										
	Parara Sur WS							37.8			
	Tan Pael							31.2			
	Cadabdab										
Tubungan	Igpaho WS										
	Igruble WS										
	Jolason										
	Lanag Norte WS										
	Lanag Sur WS										
	Molina WS										
	Navillan WS										
	Tagpuan WS										
Zone I WS											

4.1.5 Level I Facilities

Safe and Unsafe Classification of Level I Facilities

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

In 1990 population census data, "Households by Main Source of Drinking Water and City /Municipality", it was shown that 54 % of households depended on shallow well, dug well, undeveloped spring, lake, river and rain water collector, etc. This figure was arrived as the percentage of underserved/unserved sources, if all shallow wells were regarded as doubtful.

Presently, the PHO has monitored water quality of the water supply facilities only for two municipalities. While some municipalities through regional laboratory have conducted water quality examination on the samples collected at public and private Level I wells. Although only the results in sixteen (16) municipalities are available at the present time, Table 4.1.3 presents the results of water quality examination on existing shallow wells.

Under the limited data available, the following conditions may be considered to assume safe/unsafe percentage for this planning purpose.

- The number of samples examined (138 samples) was very limited compared with the number of existing shallow wells (34,838) and water sampling by municipalities is usually conducted where problems on water quality and/or incidence of water related diseases have experienced.
- There might be some cases that examination at the same Level I sources/facilities was conducted until safety of the water was confirmed.
- The sources such as dug wells, which are defined as unsafe sources may be included in the above examination results.

Considering the above conditions on the manner of sampling, unsafe percentage (75%) of shallow wells derived from the municipalities may be overestimated, although the number of samples examined was limited.

Table 4.1.3 Results of Water Quality Examination of Shallow Wells

Municipality	No. of Existing Shallow Well	Results of Water Quality Examination				Total No. of Sample
		Safe Water Source		Unsafe Water Source		
		Number	Percentage	Number	Percentage	
Ajuy	521	12	80%	3	20%	15
Alimodian	607	1	50%	1	50%	2
Anilao	500	NA	-	NA	-	NA
Badiangan	162	NA	-	NA	-	NA
Balasan	381	NA	-	NA	-	NA
Banate	550	2	50%	2	50%	4
Barotac nuevo	11	1	50%	1	50%	2
Barotac viejo	635	NA	-	NA	-	NA
Batac	235	NA	-	NA	-	NA
Bingawan	82	NA	-	NA	-	NA
Cabatuan	1,410	NA	-	NA	-	NA
Calinog	606	NA	-	NA	-	NA
Carles	115	NA	-	NA	-	NA
Concepcion	359	NA	-	NA	-	NA
Dingle	20	NA	-	NA	-	NA
Dueñas	1,097	NA	-	NA	-	NA
Dumangas	372	NA	-	NA	-	NA
Estancia	116	NA	-	NA	-	NA
Guimbal	1,222	5	11%	40	89%	45
Igbaras	755	0	0%	1	100%	1
Janiuay	2,368	1	25%	3	75%	4
Lambunao	1,458	1	25%	3	75%	4
Leganes	583	NA	-	NA	-	NA
Lemery	2,476	NA	-	NA	-	NA
Leon	964	NA	-	NA	-	NA
Maasin	556	NA	-	NA	-	NA
Miagao	1,938	0	0%	2	100%	2
Mina	993	NA	-	NA	-	NA
New lucena	292	NA	-	NA	-	NA
Oton	1,752	0	0%	6	100%	6
Passi	1,123	6	86%	1	14%	7
Pavia	991	1	33%	2	67%	3
Pototan	2,304	NA	-	NA	-	NA
San dionisio	706	NA	-	NA	-	NA
San enrique	1,321	NA	-	NA	-	NA
San joaquin	1,276	NA	-	NA	-	NA
San miguel	454	0	0%	9	100%	9
San rafael	1	NA	-	NA	-	NA
Santa barbara	254	2	13%	13	87%	15
Sara	260	NA	-	NA	-	NA
Tigbauan	2,175	2	40%	3	60%	5
Tubungan	42	1	7%	13	93%	14
Zarraga	795	NA	-	NA	-	NA
Province	34,838	35	25%	103	75%	138

Source: Integrated regional health laboratory, 1998

As a reference information, on the other hand, the experiences in 1st to 3rd batch provinces (16 provinces) in Mindanao and Visayas area in the preparation of PW4SP show the unsafe percentage of 20-60 as summarized below.

Surigao der Norte 20%	Agusan der Norte 50%	Agusan der Sur 23%	Bukidnon 50%	Misamis Oriental 50%	Davao Oriental 40%	Davao der Norte 20%	Davao der Sur 46%
Sarangani 30%	South Cotabato 50%	Northern Samar 40%	Eastern Samar 40%	Samar 50%	Biliran 30%	Leyte 40%	Southern Leyte 60%

Based on the above study, the unsafe percentage of 30-50 (%) are considered within common level experienced in the 1st to 3rd batch study. Thus, the percentage of 30 as an acceptable level may be adopted as an unsafe percentage to all municipalities both in urban and rural area in unsafe classification of shallow wells. While, those sources other than shallow wells are processed as classified in the questionnaire. Table 4.1.4 presents 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) 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 48% and 52% of the total number of Level I facility, respectively. Developed springs occupy 3.5% 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	2,553	33%	5,077	67%	7,630
Shallow Well	9,441	38%	15,183	62%	24,624
Spring Development	733	100%			733
Others	1,781	31%	3,933	69%	5,714
Total	21,118	48%	26,863	52%	44,101

Table 4.1.4 Number of Level I Facilities by Safe and Unsafe Classification

Name of Municipality/City	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	
Ayuy	Urban	4	82	3	1	86	271	2	273	8	12	2	4	8	12	2	4	78	11	205	4	5	17
	Rural		85	3	1	89	279	2	281	3	359	35	116	78	11	35	116	78	11	205	4	5	592
	Total		167	6	2	175	550	4	554	11	317	37	120	81	22	70	232	156	22	410	8	10	1163
Alimodian	Urban	1	35	5	12	53	134	1	135	15	150	68	41	16	57	15	57	1	58	73	260	73	260
	Rural	2	160	174	18	354	97	450	68	488	68	41	16	57	15	57	1	58	73	260	73	260	
	Total	3	195	179	30	407	230	637	83	313	136	88	33	113	72	112	68	113	81	313	146	520	520
Ambao	Urban	20	302	322	30	654	29	683	32	715	24	24	16	40	56	24	24	6	30	84	44	44	44
	Rural	302	321	321	29	652	29	681	32	710	24	24	16	40	56	24	24	6	30	84	44	44	44
	Total	322	643	642	59	1304	58	1362	64	1359	48	48	32	80	112	48	48	12	60	128	88	88	88
Badliangan	Urban	19	14			33	4	37	15	52	6	6	6	12	18	6	6			12	8	8	8
	Rural	429	66	66	29	520	173	693	34	727	34	34	34	68	102	28	13	41	171	171	171	171	171
	Total	448	80	92	51	611	197	710	68	778	68	68	68	136	202	62	47	112	188	188	188	188	188
Balasan	Urban	22				22	4	26	10	2	2	2	2	4	10	10	2	11	37	37	37	37	37
	Rural	298	2	2	2	302	2	304	102	102	102	102	102	204	204	102	102	102	102	102	102	102	102
	Total	320	2	2	2	324	4	328	112	112	112	112	112	224	224	112	112	112	112	112	112	112	112
Benate	Urban	28	60	34	1	123	5	128	5	133	26	29	29	55	84	55	140	31	171	225	687	687	687
	Rural	28	60	34	1	123	5	128	5	133	26	29	29	55	84	55	140	31	171	225	687	687	687
	Total	56	120	68	2	246	10	256	10	266	52	58	58	110	168	110	280	62	342	450	1374	1374	1374
Baroque Nuevo	Urban	30				30	180	210	180	390	2	2	2	2	4	2	2	3	5	215	215	215	215
	Rural	635	8	330	1,590	2,563	3	2,566	3	2,569	3	3	3	6	12	132	231	231	231	383	383	383	
	Total	665	8	330	1,770	2,773	3	2,776	3	2,779	3	3	3	6	12	134	234	234	234	386	386	386	
Baroque Viejo	Urban	23				23	8	31	10	10	4	4	4	8	12	12	12	12	22	53	53	53	
	Rural	174	1	1	1	176	239	414	75	489	75	75	75	150	225	75	102	3	105	180	364	364	
	Total	197	1	1	1	199	247	448	80	313	80	80	80	160	240	150	177	2	179	282	647	647	
Baraz	Urban	4	4	4	4	16	32	36	2	38	2	2	2	4	6	2	14	15	29	30	68	68	
	Rural	60	60	60	60	240	60	300	30	330	30	30	30	60	90	30	26	14	69	99	199	199	
	Total	64	64	64	64	256	91	336	32	368	32	32	32	64	94	32	39	29	68	100	205	205	
Bingawan	Urban	16				16	84	100	7	117	7	7	7	14	21	7	7			21	21	21	
	Rural	37	72	72	2	183	4	187	16	203	16	16	16	32	48	2	486	486	486	505	505	505	
	Total	53	72	72	2	199	4	203	23	226	23	23	23	46	69	18	492	492	492	512	512	512	
Cabatuan	Urban	58	185	10		253	86	339	86	425	79	79	79	158	237	79	344			344	423	423	
	Rural		51	136		187	85	272	22	294	22	22	22	44	66	22	23			61	151	151	
	Total	58	236	146		440	171	611	108	729	101	101	101	202	300	101	368			405	574	574	
Calinig	Urban	182				182	106	288	78	366	68	68	68	136	204	68	459			505	704	704	
	Rural	233	233	191	424	1,081	191	1,272	189	1,461	189	189	189	378	567	189	82	484		566	855	1,279	
	Total	415	233	382	618	1,362	382	1,744	378	2,122	378	378	378	756	1,135	378	573			1,071	1,579	1,579	
Carles	Urban	5				5	13	18	2	20	2	2	2	4	6	2	5	16		21	24	24	
	Rural	11	53	11	14	79	11	90	23	113	23	23	23	46	69	23	274			297	366	366	
	Total	16	53	22	28	84	22	106	25	133	25	25	25	50	75	25	298			324	390	390	
Concepcion	Urban	1	57	13	5	75	14	89	4	93	4	4	4	8	12	4	6			8	17	17	
	Rural	50	50	227	23	320	174	497	42	539	42	42	42	84	126	42	75	40	115	178	405	405	
	Total	51	107	240	28	366	188	626	46	712	46	46	46	92	138	46	115			123	186	186	
Dingle	Urban	30				30	257	287	8	295	8	8	8	16	24	8	1			1	7	7	
	Rural	564	1,309	12		1,885	12	1,897	41	1,938	41	41	41	82	123	41	5			46	1,984	1,984	
	Total	594	1,309	24		1,919	14	1,933	45	1,978	45	45	45	90	137	45	6			51	2,001	2,001	
Duenhas	Urban	20	69	89	151	329	151	480	29	509	29	29	29	58	87	29	22			52	81	81	
	Rural	65	286	58		409	31	440	32	471	32	32	32	64	96	32	22			147	353	353	
	Total	85	354	147		498	62	549	61	580	61	61	61	122	183	61	44			99	132	132	

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

Name of Municipality/City	Safe Sources											Unsafe Source						Grand Total		
	Public						Private					Public							Private	
	Deep Well	Shallow Well	Covered/Improved Dug Well	Developed Spring	Sub-total	Total	Deep Well	Shallow Well	Covered/Improved Dug Well	Sub-total	Total	Shallow Well	Open Dug Well	Undeveloped Spring	Rain Water Collection	Sub-total	Open Dug Well		Rain Water Collector	Sub-total
Davao	4	213	14		4	1	43	18	62	283	2	226	2		18	148		166	484	776
Davao	4	218	14		4	1	44	18	63	297	93	238	19		19	148		167	488	785
Davao		6	6		6		13	13	13	18	2	2	2		2	9		14	17	35
Davao	1	43			44		20	8	28	72	19	44	8		73	8		81	100	172
Davao	1	49			50		32	8	40	90	21	69	14		82	8		90	117	207
Davao	1	43			44		73	116	163	311	18	165	31		197	31		228	269	580
Davao	291	109			401		449	850	1,299	2,549	108	1,088	139		1,227	139		1,366	1,505	2,871
Davao	333	109			442		522	963	1,485	2,968	143	1,088	139		1,227	139		1,366	1,505	2,871
Davao	74				74		135	209	344	683	32	651	82		733	82		815	917	1,592
Davao	127				127		193	303	496	1,023	54	979	54		1,033	54		1,087	1,231	2,318
Davao	201				201		328	503	831	1,662	86	1,748	86		1,834	86		1,920	2,166	4,086
Davao	80				80		473	703	1,176	2,352	34	2,386	34		2,420	34		2,454	2,698	5,152
Davao	214				214		892	1,364	2,256	4,512	92	3,888	92		3,980	92		4,072	4,470	8,542
Davao	293				293		1,364	2,094	3,458	6,916	126	7,042	126		7,168	126		7,294	7,910	15,204
Davao	67				67		138	204	342	684	29	713	29		742	29		771	840	1,611
Davao	501				501		316	481	797	1,594	215	1,809	215		2,024	215		2,239	2,454	4,913
Davao	567				567		454	681	1,135	2,270	243	2,513	243		2,756	243		2,999	3,242	6,441
Davao	34				34		195	290	485	970	15	985	15		1,000	15		1,015	1,110	2,125
Davao	67				67		112	168	280	560	29	589	29		618	29		647	704	1,351
Davao	101				101		307	460	767	1,534	43	1,577	43		1,620	43		1,663	1,764	3,327
Davao	1				1		174	261	435	870	1	871	1		872	1		873	948	1,821
Davao	22				22		1,536	2,304	3,840	7,680	6	7,686	6		7,692	6		7,698	8,366	16,064
Davao	23				23		1,710	2,565	4,290	8,580	10	8,590	10		8,600	10		8,610	9,470	18,140
Davao	14				14		262	393	655	1,310	6	1,316	6		1,322	6		1,328	1,459	2,787
Davao	304				304		195	292	487	974	87	1,061	87		1,148	87		1,235	1,332	2,567
Davao	218				218		457	685	1,142	2,284	93	2,377	93		2,470	93		2,563	2,761	5,324
Davao	2				2		66	99	165	330	7	337	7		344	7		351	389	778
Davao	1				1		235	352	587	1,174	31	1,205	31		1,236	31		1,267	1,398	2,665
Davao	3				3		300	450	750	1,500	38	1,538	38		1,576	38		1,614	1,752	3,466
Davao	123				123		69	103	172	344	53	397	53		450	53		503	556	1,109
Davao	2				2		723	1,084	1,807	3,614	189	3,803	189		3,992	189		4,181	4,570	9,141
Davao	2				2		792	1,188	1,980	3,960	242	4,202	242		4,444	242		4,686	5,128	9,814
Davao	16				16		116	174	290	580	7	587	7		594	7		601	659	1,318
Davao	3				3		449	673	1,122	2,244	40	2,284	40		2,324	40		2,364	2,500	5,000
Davao	3				3		565	847	1,412	2,824	56	2,880	56		2,936	56		2,992	3,188	6,376
Davao	8				8		24	36	60	120	6	126	6		132	6		138	156	312
Davao	102				102		61	91	152	304	45	349	45		394	45		439	484	968
Davao	110				110		85	127	212	424	51	475	51		526	51		577	628	1,255
Davao	204				204		1,022	1,533	2,555	5,110	88	5,198	88		5,286	88		5,374	5,802	11,606
Davao	204				204		1,022	1,533	2,555	5,110	423	5,533	423		5,956	423		6,379	6,802	13,604
Davao	1				1		41	61	102	204	1	205	1		206	1		207	227	454
Davao	101				101		298	447	745	1,490	105	1,595	105		1,700	105		1,805	1,906	3,812
Davao	11				11		419	628	1,047	2,094	6	2,100	6		2,106	6		2,112	2,223	4,435
Davao	18				18		53	79	132	264	4	268	4		272	4		276	290	580
Davao	3				3		446	669	1,115	2,230	63	2,293	63		2,356	63		2,419	2,582	5,164
Davao	3				3		529	793	1,316	2,632	71	2,703	71		2,774	71		2,845	3,016	6,032
Davao	3				3		46	69	115	230	6	236	6		242	6		248	264	528

Table 4.1.4 Number of Level 1 Facilities by Safe and Unsafe Classification (Cont'd)

Name of Municipality/City	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	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	
Paloitan	Urban	157				157		349			349		67			67	150				150	217	723
	Rural	383				383	722			722	1,107	165	65			230	309	52			361	591	1,698
	Total	540				540	1,071			1,071	1,814	232	65			297	459	52			511	808	2,421
San Dionisio	Urban	8				8	22			22	30	41				263	6				102	365	829
	Rural	459				459	36			36	464	193	70			367	15				111	378	872
	Total	467				467	66			66	898	286	140			630	21				212	743	1,701
San Enrique	Urban	3				3	22			22	25	1				1	10				11	11	36
	Rural	224				224	676			676	917	96	67			163	290	96			386	549	1,465
	Total	227				227	698			698	942	97	67			164	299	96			392	559	1,501
San Joaquin	Urban	15				15	274			274	286	5	10			15	117				117	133	419
	Rural	253				253	354			354	607	109	291			400	152				152	551	1,158
	Total	268				268	627			627	893	114	301			415	269				269	684	1,577
San Miguel	Urban	58				58	162			162	1,283	25				10	32				66	94	1,887
	Rural	21				21	75			75	1,52	517	10			10	32				32	42	1,559
	Total	81				81	237			237	1,435	235	35			35	101				101	136	2,446
San Rafael	Urban	51				51	110			110	161										9	170	281
	Rural	97				97	281			281	438	0	35			35	176				176	211	669
	Total	148				148	391			391	619	0	35			35	185				185	220	839
Santa Barbara	Urban	62				62	130			130	201										92	92	291
	Rural	12				12	159			159	76					76					76	76	435
	Total	74				74	489			489	277					277					92	168	723
Sara	Urban	29				29	275			275	304											92	304
	Rural	540				540	1,656			1,656	2,380											182	2,562
	Total	569				569	1,931			1,931	2,684											182	2,866
Tigbauan	Urban	66				66	361			361	427	28	26			54	155				196	250	677
	Rural	4				4	371			371	1,103	156	480			616	314				1,130	1,755	2,885
	Total	4				4	430			430	1,530	184	486			670	469				1,324	2,005	3,534
Tubungan	Urban	3				3	437			437	68										2	2	70
	Rural	33				33	181			181	364	9				9	4				44	53	417
	Total	36				36	287			287	445	43				43	4				46	55	487
Zavarga	Urban	104				104	65			65	169	44	12			56	28				28	84	253
	Rural	139				139	249			249	388	60	30			146	134				141	288	444
	Total	243				243	314			314	557	104	42			302	168				168	342	697
Provincial Total	Urban	304				304	1,705			1,705	2,500	1,037	5,445			14	1,381				14	4,995	16,879
	Rural	2,553				2,553	6,609			6,609	10,628	1,178	16,883			5,173	4,555				4,601	8,24	21,533
	Total	2,857				2,857	8,313			8,313	13,128	2,215	21,732			15,187	8,940				15,187	21,533	44,101