
**FUTURE REQUIREMENTS
AND DEVELOPMENT PLAN**

B

8. FUTURE REQUIREMENTS IN WATER SUPPLY AND SANITATION IMPROVEMENT

8.2 Targets of Provincial Sector Plan

Table 8.2.1 Estimation of Base Year Service Coverage of Water Supply

Name of Municipality/City	Area	Population (1998)	Population Served by 1998 Facilities				Population Served by Planned/On-going Projects				Population Served in the Base Year (1998)			
			Level III	Level II	Level I	Total	Level III	Level II	Level I	Total	Level III	Level II	Level I	Percentage Coverage
Bago City	Urban	31,401	5,724	16,988	22,712						5,724	16,988	22,712	72
	Rural	107,841	1,224	5,600	70,998	77,822					1,224	5,600	70,998	72
	Total	139,242	6,948	5,600	87,986	100,534					6,948	5,600	87,986	72
Binalbagan	Urban	25,124	7,680	13,577	21,257						7,680	13,577	21,257	85
	Rural	31,539	5,214	75	16,330	21,619					5,214	75	16,330	69
	Total	56,663	12,894	75	29,907	42,876					12,894	75	29,907	76
Cadiz City	Urban	35,329	32,767	550	1,350	34,667					32,767	550	1,350	98
	Rural	95,235	3,000	1,300	78,280	82,580					3,000	1,300	78,280	87
	Total	130,564	35,767	1,850	79,630	117,247					35,767	1,850	79,630	90
Calatrava	Urban	12,055	10,269	578	10,847						10,269	578	10,847	90
	Rural	58,972	2,346	2,500	47,616	52,462					2,346	2,500	47,616	89
	Total	71,027	12,615	2,500	48,194	63,309					12,615	2,500	48,194	89
Cardoni	Urban	2,806	325	1,368	1,693						325	1,368	1,693	60
	Rural	14,575	2,025	7,070	9,095						2,025	7,070	9,095	62
	Total	17,381	2,350	8,438	10,788						2,350	8,438	10,788	62
Cauayan	Urban	22,680	4,450	8,268	12,718						4,450	8,268	12,718	56
	Rural	63,911	900	5,200	34,678	40,778					900	5,200	34,678	64
	Total	86,591	900	9,650	42,946	53,496					900	9,650	42,946	62
Enrique B. Magalona	Urban	30,366	3,500	75	20,240	23,815					3,500	75	20,240	78
	Rural	28,025	350	18,989	19,339						350	18,989	19,339	69
	Total	58,391	3,850	75	39,229	43,154					3,850	75	39,229	74
Escalante	Urban	37,146	5,523	125	28,683	34,331					5,523	125	28,683	92
	Rural	47,945	1,320	1,200	38,759	41,279					1,320	1,200	38,759	86
	Total	85,091	6,843	1,325	67,442	75,610					6,843	1,325	67,442	89
Himamaylan	Urban	32,115	4,986	550	22,920	28,456					4,986	550	22,920	89
	Rural	53,077	4,782	4,600	34,275	43,657					4,782	4,600	34,275	82
	Total	85,192	9,768	5,150	57,195	72,113					9,768	5,150	57,195	85
Hinigaran	Urban	13,109	948	6,722	7,670						948	6,722	7,670	59
	Rural	60,563	2,142	1,000	40,475	43,617					2,142	1,000	40,475	72
	Total	73,672	3,090	1,000	47,197	51,287					3,090	1,000	47,197	70
Hinoba-an (Asia)	Urban	16,355	175	10,960	11,135						175	10,960	11,135	68
	Rural	24,720	1,750	15,866	17,616						1,750	15,866	17,616	71
	Total	41,075	1,925	26,826	28,751						1,925	26,826	28,751	70

Table 8.2.1 Estimation of Base Year Service Coverage of Water Supply (Cont'd)

Name of Municipality/City	Area	Population (1998)	Population Served by 1998 Facilities				Population Served by Planned/On-going				Population Served in the Base Year (1998)				
			Level III	Level II	Level I	Total	Level III	Level II	Level I	Total	Level III	Level II	Level I	Total	Percentage Coverage
Ilog	Urban	27,123	1,200		17,295	18,495					1,200		17,295	18,495	68
	Rural	16,782		625	6,849	7,474						625	6,849	7,474	45
	Total	43,905	1,200	625	24,144	25,969					1,200	625	24,144	25,969	59
Isabela	Urban	11,140			7,020	7,020							7,020	7,020	63
	Rural	39,419		5,950	18,018	23,968						5,950	18,018	23,968	61
	Total	50,559		5,950	25,038	30,988						5,950	25,038	30,988	61
Kabankalan City	Urban	50,036	180	375	31,894	32,449					180	375	31,894	32,449	65
	Rural	98,089	13,782	5,800	30,848	50,430					13,782	5,800	30,848	50,430	51
	Total	148,125	13,962	6,175	62,742	82,879					13,962	6,175	62,742	82,879	56
La Carlota City	Urban	22,873	16,620	50	5,070	21,740					16,620	50	5,070	21,740	95
	Rural	33,931	9,360	1,500	15,375	26,235					9,360	1,500	15,375	26,235	77
	Total	56,804	25,980	1,550	20,445	47,975					25,980	1,550	20,445	47,975	84
La Castellana	Urban	21,730	2,958		11,477	14,435					2,958		11,477	14,435	66
	Rural	41,697		1,325	23,396	24,721						1,325	23,396	24,721	59
	Total	63,427	2,958	1,325	34,873	39,156					2,958	1,325	34,873	39,156	62
Manapla	Urban	9,572	4,278		4,557	8,835					4,278		4,557	8,835	92
	Rural	37,724		1,150	31,194	32,344						1,150	31,194	32,344	86
	Total	47,296	4,278	1,150	35,751	41,179					4,278	1,150	35,751	41,179	87
Moises Padilla	Urban	10,820	2,445	300	6,744	9,489					2,445	300	6,744	9,489	88
	Rural	21,079		1,075	14,748	15,823						1,075	14,748	15,823	75
	Total	31,899	2,445	1,375	21,492	25,312					2,445	1,375	21,492	25,312	79
Murcia	Urban	17,738	6,982	125	8,826	15,933					6,982	125	8,826	15,933	90
	Rural	40,765	888	4,775	26,968	32,631					888	4,775	26,968	32,631	80
	Total	58,503	7,870	4,900	35,794	48,564					7,870	4,900	35,794	48,564	83
Pontevedra	Urban	19,475	7,837		9,272	17,109					7,837		9,272	17,109	88
	Rural	24,726	4,534	425	13,520	18,479					4,534	425	13,520	18,479	75
	Total	44,201	12,371	425	22,792	35,588					12,371	425	22,792	35,588	81
Pulupandan	Urban	16,271	1,284		12,088	13,372					1,284		12,088	13,372	82
	Rural	10,059	762		8,318	9,080					762		8,318	9,080	90
	Total	26,330	2,046		20,406	22,452					2,046		20,406	22,452	85
Sagay City	Urban	50,250	13,030	840	25,272	39,142					13,030	840	25,272	39,142	78
	Rural	89,369	7,697	775	49,347	57,819					7,697	775	49,347	57,819	65
	Total	139,619	20,727	1,615	74,619	96,961					20,727	1,615	74,619	96,961	69

Table 8.2.1 Estimation of Base Year Service Coverage of Water Supply (Cont'd)

Name of Municipality/City	Area	Population (1998)	Population Served by 1998 Facilities				Population Served by Planned/On-going				Population Served in the Base Year (1998)			
			Level III	Level II	Level I	Total	Level III	Level II	Level I	Total	Level III	Level II	Level I	Total
Salvador Benedicto	Urban	18,587												
	Rural	18,587		4,400	12,327	16,727						4,400	12,327	16,727
	Total	18,587		4,400	12,327	16,727						4,400	12,327	16,727
San Carlos City	Urban	28,943	13,585		11,837	25,422					13,585		11,837	25,422
	Rural	77,504	770	18,855	31,852	51,477					770	18,855	31,852	51,477
	Total	106,447	14,355	18,855	43,689	76,899					14,355	18,855	43,689	76,899
San Enrique	Urban	9,865			7,340	7,340							7,340	7,340
	Rural	11,801		325	8,211	8,536						325	8,211	8,536
	Total	21,666		325	15,551	15,876						325	15,551	15,876
Sila City	Urban	57,862	14,445		34,910	49,355					14,445		34,910	49,355
	Rural	71,515	2,917	4,525	43,813	51,255					2,917	4,525	43,813	51,255
	Total	129,377	17,362	4,525	78,723	100,610					17,362	4,525	78,723	100,610
Sipalay	Urban	21,546	1,410	100	16,136	17,646					1,410	100	16,136	17,646
	Rural	44,093	294	1,025	33,746	35,065					294	1,025	33,746	35,065
	Total	65,639	1,704	1,125	49,882	52,711					1,704	1,125	49,882	52,711
Talisay City	Urban	33,189	8,220	500	22,248	30,968					8,220	500	22,248	30,968
	Rural	38,914	42	500	29,324	29,866					42	500	29,324	29,866
	Total	72,103	8,262	1,000	51,572	60,834					8,262	1,000	51,572	60,834
Toboso	Urban	7,279	954	510	2,022	3,486					954	510	2,022	3,486
	Rural	34,201	936	1,725	23,361	26,022					936	1,725	23,361	26,022
	Total	41,480	1,890	2,235	25,383	29,508					1,890	2,235	25,383	29,508
Valladolid	Urban	21,066	1,610		17,937	19,547					1,610		17,937	19,547
	Rural	11,540		375	10,898	11,273						375	10,898	11,273
	Total	32,606	1,610	375	28,835	30,820					1,610	375	28,835	30,820
Victorias City	Urban	60,419	14,400		36,664	51,064					14,400		36,664	51,064
	Rural	23,889	3,480		13,926	17,406					3,480		13,926	17,406
	Total	84,308	17,880		50,590	68,470					17,880		50,590	68,470
Provincial Total	Urban	755,683	182,835	9,050	420,263	612,148					182,835	9,050	420,263	612,148
	Rural	1,372,087	66,740	80,380	849,375	996,495					66,740	80,380	849,375	996,495
	Total	2,127,770	249,575	89,430	1,269,638	1,608,643					249,575	89,430	1,269,638	1,608,643

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

Name of Municipality/City	Area	Population Served by 1998 Facilities					1998		2005	
		Level III	Level II	Level I	Total	Total Population	Coverage (%)	Total Population	Coverage (%)	
Bago City	Urban	5,724		16,988	22,712	31,401	72	34,986	65	
	Rural	1,224	5,600	70,998	77,822	107,841	72	120,155	65	
	Total	6,948	5,600	87,986	100,534	139,242	72	155,141	65	
Binalbagan	Urban	7,680		13,577	21,257	25,124	85	27,034	79	
	Rural	5,214	75	16,330	21,619	31,539	69	33,936	64	
	Total	12,894	75	29,907	42,876	56,663	76	60,970	70	
Cadiz City	Urban	32,767	550	1,350	34,667	35,329	98	38,026	91	
	Rural	3,000	1,300	78,280	82,580	95,235	87	102,502	81	
	Total	35,767	1,850	79,630	117,247	130,564	90	140,528	83	
Calatrava	Urban	10,269		578	10,847	12,055	90	12,381	88	
	Rural	2,346	2,500	47,616	52,462	58,972	89	60,568	87	
	Total	12,615	2,500	48,194	63,309	71,027	89	72,949	87	
Candoni	Urban		325	1,368	1,693	2,806	60	2,922	58	
	Rural		2,025	7,070	9,095	14,575	62	15,181	60	
	Total		2,350	8,438	10,788	17,381	62	18,103	60	
Cauayan	Urban		4,450	8,268	12,718	22,680	56	23,984	53	
	Rural	900	5,200	34,678	40,778	63,911	64	67,587	60	
	Total	900	9,650	42,946	53,496	86,591	62	91,571	58	
Enrique B. Magalona	Urban	3,500	75	20,240	23,815	30,366	78	35,413	67	
	Rural	350		18,989	19,339	28,025	69	32,683	59	
	Total	3,850	75	39,229	43,154	58,391	74	68,096	63	
Escalante	Urban	5,523	125	28,683	34,331	37,146	92	42,537	81	
	Rural	1,320	1,200	38,759	41,279	47,945	86	54,903	75	
	Total	6,843	1,325	67,442	75,610	85,091	89	97,440	78	

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

Name of Municipality/City	Area	Population Served by 1998 Facilities			1998		2005	
		Level III	Level II	Level I	Total Population	Coverage (%)	Total Population	Coverage (%)
Himamaylan	Urban	4,986	550	22,920	28,456	89	33,518	85
	Rural	4,782	4,600	34,275	43,657	82	55,395	79
	Total	9,768	5,150	57,195	72,113	85	88,913	81
Hinigaran	Urban	948		6,722	7,670	59	13,901	55
	Rural	2,142	1,000	40,475	43,617	72	64,222	68
	Total	3,090	1,000	47,197	51,287	70	78,123	66
Hinoba-an (Asia)	Urban		175	10,960	11,135	68	16,421	68
	Rural		1,750	15,866	17,616	71	24,819	71
	Total		1,925	26,826	28,751	70	41,240	70
Ilog	Urban	1,200		17,295	18,495	68	27,123	68
	Rural		625	6,849	7,474	45	16,782	45
	Total	1,200	625	24,144	25,969	59	43,905	59
Isabela	Urban			7,020	7,020	63	11,848	59
	Rural		5,950	18,018	23,968	61	41,925	57
	Total		5,950	25,038	30,988	61	53,773	58
Kabankalan City	Urban	180	375	31,894	32,449	65	57,160	57
	Rural	13,782	5,800	30,848	50,430	51	112,053	45
	Total	13,962	6,175	62,742	82,879	56	169,213	49
La Carlota City	Urban	16,620	50	5,070	21,740	95	23,000	95
	Rural	9,360	1,500	15,375	26,235	77	34,119	77
	Total	25,980	1,550	20,445	47,975	84	57,119	84
La Castellana	Urban	2,958		11,477	14,435	66	24,844	58
	Rural		1,325	23,396	24,721	59	47,671	52
	Total	2,958	1,325	34,873	39,156	62	72,515	54
Manapla	Urban	4,278		4,557	8,835	92	11,034	80
	Rural		1,150	31,194	32,344	86	43,484	74
	Total	4,278	1,150	35,751	41,179	87	54,518	76

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

Name of Municipality/City	Area	Population Served by 1998 Facilities				1998		2005	
		Level III	Level II	Level I	Total	Total Population	Coverage (%)	Total Population	Coverage (%)
Moises Padilla	Urban	2,445	300	6,744	9,489	10,820	88	11,149	85
	Rural		1,075	14,748	15,823	21,079	75	21,720	73
	Total	2,445	1,375	21,492	25,312	31,899	79	32,869	77
Murcia	Urban	6,982	125	8,826	15,933	17,738	90	20,162	79
	Rural	888	4,775	26,968	32,631	40,765	80	46,336	70
	Total	7,870	4,900	35,794	48,564	58,503	83	66,498	73
Pontevedra	Urban	7,837		9,272	17,109	19,475	88	21,185	81
	Rural	4,534	425	13,520	18,479	24,726	75	26,899	69
	Total	12,371	425	22,792	35,588	44,201	81	48,084	74
Pulupandan	Urban	1,284		12,088	13,372	16,271	82	18,286	73
	Rural	762		8,318	9,080	10,059	90	11,305	80
	Total	2,046		20,406	22,452	26,330	85	29,591	76
Sagay City	Urban	13,030	840	25,272	39,142	50,250	78	60,485	65
	Rural	7,697	775	49,347	57,819	89,369	65	107,572	54
	Total	20,727	1,615	74,619	96,961	139,619	69	168,057	58
Salvador Benedicto	Urban								
	Rural		4,400	12,327	16,727	18,587	90	20,794	80
	Total		4,400	12,327	16,727	18,587	90	20,794	80
San Carlos City	Urban	13,585		11,837	25,422	28,943	88	32,055	79
	Rural	770	18,855	31,852	51,477	77,504	66	85,837	60
	Total	14,355	18,855	43,689	76,899	106,447	72	117,892	65
San Enrique	Urban			7,340	7,340	9,865	74	10,920	67
	Rural		325	8,211	8,536	11,801	72	13,063	65
	Total		325	15,551	15,876	21,666	73	23,983	66
Sila City	Urban	14,445		34,910	49,355	57,862	85	64,731	76
	Rural	2,917	4,525	43,813	51,255	71,515	72	80,005	64
	Total	17,362	4,525	78,723	100,610	129,377	78	144,736	70

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

Name of Municipality/City	Area	Population Served by 1998 Facilities				1998		2005	
		Level III	Level II	Level I	Total	Total Population	Coverage (%)	Total Population	Coverage (%)
Sipalay	Urban	1,410	100	16,136	17,646	21,546	82	22,649	78
	Rural	294	1,025	33,746	35,065	44,093	80	46,349	76
	Total	1,704	1,125	49,882	52,711	65,639	80	68,998	76
Talisay City	Urban	8,220	500	22,248	30,968	33,189	93	37,139	83
	Rural	42	500	29,324	29,866	38,914	77	43,546	69
	Total	8,262	1,000	51,572	60,834	72,103	84	80,685	75
Toboso	Urban	954	510	2,022	3,486	7,279	48	8,508	41
	Rural	936	1,725	23,361	26,022	34,201	76	39,975	65
	Total	1,890	2,235	25,383	29,508	41,480	71	48,483	61
Valladolid	Urban	1,610		17,937	19,547	21,066	93	22,796	86
	Rural		375	10,898	11,273	11,540	98	12,488	90
	Total	1,610	375	28,835	30,820	32,606	95	35,284	87
Victorias City	Urban	14,400		36,664	51,064	60,419	85	71,077	72
	Rural	3,480		13,926	17,406	23,889	73	28,103	62
	Total	17,880		50,590	68,470	84,308	81	99,180	69
Provincial Total	Urban	182,835	9,050	420,263	612,148	755,683	81	837,274	73
	Rural	66,740	80,380	849,375	996,495	1,372,087	73	1,511,977	66
	Total	249,575	89,430	1,269,638	1,608,643	2,127,770	76	2,349,251	68

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

Name of Municipality/City	Area	Population (1998)	Number of Households (1998)	Households Using Sanitary Toilets in 1998					Recipient HHs of Planned/On-going Projects					Households Using Sanitary Toilets in the Base Year (1998)					
				Flush Toilets	Pour Flush	VIP/Dry	Total	Flush	Pour Flush	VIP/Dry	Total	Number			Coverage (%)				
												Flush	Pour Flush	VIP/Dry	Total	Flush	Total		
Bago City	Urban	31,401	6,016	362	3,709	1,417	5,488					362	3,709	1,417	5,488	6	62	24	91
	Rural	107,841	20,580	25	11,101	8,833	17,959					25	11,101	8,833	17,959		54	33	87
	Total	139,242	26,596	387	14,810	8,250	23,447					387	14,810	8,250	23,447	1	56	31	88
Binalbagan	Urban	25,124	4,731	455	1,740	1,287	3,482					455	1,740	1,287	3,482	10	37	27	74
	Rural	31,539	5,917	155	1,354	2,373	3,882					155	1,354	2,373	3,882	3	23	40	66
	Total	56,663	10,648	610	3,094	3,660	7,364					610	3,094	3,660	7,364	6	29	34	69
Cagayan	Urban	35,339	7,066	1,480	1,314	2,493	5,287					1,480	1,314	2,493	5,287	21	19	35	75
	Rural	95,235	18,244	2,548	4,620	3,536	10,704					2,548	4,620	3,536	10,704	14	25	19	59
	Total	130,574	25,310	4,028	5,934	6,029	15,991					4,028	5,934	6,029	15,991	16	23	24	63
Calatara	Urban	12,055	2,506	86	1,131	677	1,894					86	1,131	677	1,894	3	45	27	76
	Rural	58,972	11,890	18	2,421	6,194	8,633					18	2,421	6,194	8,633	20	20	52	73
	Total	71,027	14,396	104	3,552	6,871	10,527					104	3,552	6,871	10,527	1	25	48	73
Candoni	Urban	2,806	531		250	179	429						250	179	429		47	34	81
	Rural	14,575	2,704		552	1,552	2,104						552	1,552	2,104		20	57	78
	Total	17,381	3,235		802	1,731	2,533						802	1,731	2,533		25	54	78
Cauayan	Urban	22,680	4,295	86	2,057	1,371	3,514					86	2,057	1,371	3,514	2	48	32	82
	Rural	63,911	11,813	148	5,639	3,805	9,592					148	5,639	3,805	9,592	1	48	32	81
	Total	86,591	16,108	234	7,696	5,176	13,106					234	7,696	5,176	13,106	1	48	32	81
Enrique B. Magalona	Urban	30,366	5,784	9	2,214	1,372	3,595					9	2,214	1,372	3,595		38	24	62
	Rural	28,025	5,050		1,542	1,488	3,030						1,542	1,488	3,030		31	29	60
	Total	58,391	10,834	9	3,756	2,860	6,625					9	3,756	2,860	6,625		35	26	61
Escalante	Urban	37,146	7,241	50	2,364	3,965	6,379					50	2,364	3,965	6,379	1	33	55	88
	Rural	47,945	9,383		2,269	5,135	7,404						2,269	5,135	7,404		24	55	79
	Total	85,091	16,624	50	4,633	9,100	13,783					50	4,633	9,100	13,783		28	55	83
Hinamayan	Urban	32,115	5,839	175	3,155	748	4,078					175	3,155	748	4,078	3	54	13	70
	Rural	53,077	9,650	261	3,476	2,812	6,549					261	3,476	2,812	6,549	3	36	29	68
	Total	85,192	15,489	436	6,631	3,560	10,627					436	6,631	3,560	10,627	3	43	23	69
Hinigan	Urban	13,109	2,375	348	745	720	1,813					348	745	720	1,813	15	31	30	76
	Rural	60,563	11,215	850	3,527	3,915	8,292					850	3,527	3,915	8,292	8	31	35	74
	Total	73,672	13,590	1,198	4,272	4,635	10,105					1,198	4,272	4,635	10,105	9	31	34	74
Hinobanan (Asia)	Urban	16,355	3,145	8	1,504	1,249	2,761					8	1,504	1,249	2,761		48	40	88
	Rural	24,720	4,629	7	2,043	2,002	4,052					7	2,043	2,002	4,052		44	43	88
	Total	41,075	7,774	15	3,547	3,251	6,813					15	3,547	3,251	6,813		46	42	88
Ilog	Urban	27,123	5,156		4,382		4,382						4,382		4,382		85		85
	Rural	10,782	3,227		2,676		2,676						2,676		2,676		83		83
	Total	43,905	8,383		7,058		7,058						7,058		7,058		84		84
Isabela	Urban	11,140	2,193	129	1,746	97	1,972					129	1,746	97	1,972	6	80	4	90
	Rural	39,419	7,480	65	5,448	295	5,808					65	5,448	295	5,808	1	73	4	78
	Total	50,559	9,673	194	7,194	392	7,780					194	7,194	392	7,780	2	74	4	80
Kabankalan City	Urban	50,036	9,081	281	2,384	5,925	8,590					281	2,384	5,925	8,590	3	26	65	95
	Rural	98,089	17,642	64	4,649	9,575	14,288					64	4,649	9,575	14,288		26	54	81
	Total	148,125	26,723	345	7,033	15,500	22,878					345	7,033	15,500	22,878	1	26	58	86
La Carlota City	Urban	22,873	4,244	449	3,413	59	3,921					449	3,413	59	3,921	11	80	1	92
	Rural	33,931	6,378	71	4,987	157	5,215					71	4,987	157	5,215	1	78	2	82
	Total	56,804	10,622	520	8,400	216	9,136					520	8,400	216	9,136	5	79	2	86
La Castellana	Urban	21,730	4,131	100	1,652	1,133	2,885					100	1,652	1,133	2,885	2	40	27	70
	Rural	41,697	8,160	6	2,577	2,851	5,434					6	2,577	2,851	5,434		32	35	67
	Total	63,427	12,291	106	4,229	3,984	8,319					106	4,229	3,984	8,319	1	34	32	68

Table 8.2.3 Number of Households Served by Sanitary Toilets in the Base Year (1998) (Cont'd)

Name of Municipality/City	Area	Population (1998)	Number of Households (1998)	Households Using Sanitary Toilets in 1998				Recipient HHs of Planned/On-going				Households Using Sanitary Toilets in the Base Year (1998)					
				Flush Toilets	Pour Flush	VIP/Dry	Total	Flush	Pour Flush	VIP/Dry	Total	Flush	Pour Flush	VIP/Dry	Total	Coverage (%)	
																Pour	Total
Manapla	Urban	9,572	1,820	143	776	334	1,253					143	776	334	1,253	8	43
	Rural	37,724	6,986	481	2,313	1,969	4,763					481	2,313	1,969	4,763	7	33
	Total	47,296	8,806	624	3,089	2,303	6,016					624	3,089	2,303	6,016	7	35
Moises Padilla	Urban	10,820	2,143	19	855	541	1,415					19	855	541	1,415	1	40
	Rural	21,079	4,038		1,022	1,558	2,580						1,022	1,558	2,580	25	39
	Total	31,899	6,181	19	1,877	2,099	3,995					19	1,877	2,099	3,995	30	34
Murcia	Urban	17,738	3,471	34	1,201	1,011	2,296					34	1,201	1,011	2,296	2	35
	Rural	40,765	7,780	74	2,619	2,253	4,946					74	2,619	2,253	4,946	1	34
	Total	58,503	11,251	108	3,820	3,264	7,242					108	3,820	3,264	7,242	1	34
Pontevedra	Urban	19,475	3,826	93	2,471	475	3,039					93	2,471	475	3,039	2	65
	Rural	24,726	4,719	22	2,332	1,101	3,455					22	2,332	1,101	3,455	49	23
	Total	44,201	8,545	115	4,803	1,576	6,494					115	4,803	1,576	6,494	1	56
Pulupandan	Urban	16,271	3,129	30	845	1,681	2,556					30	845	1,681	2,556	1	27
	Rural	10,059	1,992	33	820	902	1,755					33	820	902	1,755	2	41
	Total	26,330	5,121	63	1,665	2,583	4,311					63	1,665	2,583	4,311	1	33
Sagay City	Urban	50,250	9,499	1,582	2,455	4,381	8,418					1,582	2,455	4,381	8,418	17	26
	Rural	89,369	17,558	620	3,146	9,850	13,616					620	3,146	9,850	13,616	4	18
	Total	139,619	27,057	2,202	5,601	14,231	22,034					2,202	5,601	14,231	22,034	8	21
Salvador Benedicto	Urban																
	Rural	18,587	3,547		2,359	463	2,822						2,359	463	2,822	67	13
	Total	18,587	3,547		2,359	463	2,822						2,359	463	2,822	67	13
San Carlos City	Urban	28,943	5,697	592	2,813	1,264	4,669					592	2,813	1,264	4,669	10	49
	Rural	77,504	15,721	16	5,587	7,180	12,783					16	5,587	7,180	12,783	36	46
	Total	106,447	21,418	608	8,400	8,444	17,452					608	8,400	8,444	17,452	3	39
San Enrique	Urban	106,447	1,897	206	1,176	95	1,477					206	1,176	95	1,477	11	62
	Rural	11,801	2,218	163	1,139	323	1,625					163	1,139	323	1,625	7	51
	Total	21,666	4,115	369	2,315	418	3,102					369	2,315	418	3,102	9	56
Silay City	Urban	57,862	10,735		9,117	49	9,166						9,117	49	9,166	85	
	Rural	71,515	13,622		3,750	2,028	5,778						3,750	2,028	5,778	28	15
	Total	129,377	24,357		12,867	2,077	14,944						12,867	2,077	14,944	53	9
Sipalay	Urban	21,546	4,136	456	1,518	1,597	3,571					456	1,518	1,597	3,571	11	37
	Rural	44,093	8,335	822	2,850	1,655	5,327					822	2,850	1,655	5,327	10	34
	Total	65,639	12,471	1,278	4,368	3,252	8,898					1,278	4,368	3,252	8,898	10	35
Talisay City	Urban	33,189	6,508	872	3,000	993	4,865					872	3,000	993	4,865	13	46
	Rural	38,914	7,541		163	4,755	4,918						163	4,755	4,918	2	63
	Total	72,103	14,049	872	3,163	5,748	9,783					872	3,163	5,748	9,783	6	23
Toboso	Urban	7,279	1,441	20	800	244	1,064					20	800	244	1,064	1	56
	Rural	34,201	6,477	42	1,509	3,180	4,731					42	1,509	3,180	4,731	1	23
	Total	41,480	7,918	62	2,309	3,424	5,795					62	2,309	3,424	5,795	1	29
Valladolid	Urban	21,066	4,163	75	2,458	360	2,913					75	2,458	360	2,913	2	59
	Rural	11,540	2,241	13	1,279	174	1,466					13	1,279	174	1,466	1	57
	Total	32,606	6,404	88	3,737	554	4,379					88	3,737	554	4,379	1	58
Victorias City	Urban	60,419	11,530	1,491	5,054	2,430	8,975					1,491	5,054	2,430	8,975	13	44
	Rural	23,889	4,457	115	1,751	1,572	3,438					115	1,751	1,572	3,438	3	39
	Total	84,308	15,987	1,606	6,805	4,002	12,413					1,606	6,805	4,002	12,413	10	43
Provincial Total	Urban	755,683	144,329	9,881	68,299	38,167	116,147					9,881	68,299	38,167	116,147	7	47
	Rural	1,372,087	261,194	6,619	91,520	91,486	189,625					6,619	91,520	91,486	189,625	3	35
	Total	2,127,770	405,523	16,500	159,819	129,653	305,772					16,500	159,819	129,653	305,772	4	30

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

Name of Municipality/City	1998 Total Number of Public School Student	Standard No. of Student that can be Served by 1998	No. of Student to be Served by Planned /On- going Projects	Standard No. of Students that can be Served by Toilets in Base Year (1998)	Coverage (%)
Bago City	32,768	13,600		13,600	42
Binalbagan	13,743	8,320		8,320	61
Cadiz City	30,176	7,600		7,600	25
Calatrava	16,888	7,960		7,960	47
Candoni	5,344	1,040		1,040	19
Cauayan	20,387	6,280		6,280	31
Enrique B. Magalona	12,481	2,320		2,320	19
Escalante	19,209	7,920		7,920	41
Himamaylan	21,392	10,280		10,280	48
Hinigaran	16,694	14,120		14,120	85
Hinoba-an (Asia)	11,666	4,480		4,480	38
Ilog	10,249	2,640		2,640	26
Isabela	11,729	10,240		10,240	87
Kabankalan City	33,994	6,840		6,840	20
La Carlota City	15,075	7,920		7,920	53
La Castellana	15,170	15,170		15,170	100
Manapla	9,889	4,520		4,520	46
Moises Padilla	7,058	5,160		5,160	73
Murcia	13,542	3,360		3,360	25
Pontevedra	10,354	760		760	7
Pulupandan	4,956	4,800		4,800	97
Sagay City	27,980	3,880		3,880	14
Salvador Benedicto	3,707				
San Carlos City	24,352	5,840		5,840	24
San Enrique	4,237	1,640		1,640	39
Silay City	22,627	4,040		4,040	18
Sipalay	15,405	6,160		6,160	40
Talisay City	15,535	6,240		6,240	40
Toboso	10,158	3,440		3,440	34
Valladolid	6,241	480		480	8
Victorias City	19,695	12,040		12,040	61
Provincial Total	482,701	189,090		189,090	39

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

Name of Municipality/City	Type	No. of PU with Toilets in 1998	No. of PU with Sanitary Toilets in 1998	No. of PU with Toilets in Planned/On-going Project	No. of PU with Sanitary Toilets in Planned/On-going Projects	No. of PU with Toilets in Base Year 1998	No. of PU with Sanitary Toilets in Base year 1998	Coverage (%)
Bago City	Public Market	12	12			12	12	100
	Bus/JEEPNEY Terminal	2	2			2	2	100
	Parks/Playground	22	22			22	22	100
	Total	36	36			36	36	100
Binalbagan	Public Market	4	4			4	4	100
	Bus/JEEPNEY Terminal	3	3			3	3	100
	Parks/Playground	2	2			2	2	100
	Total	9	9			9	9	100
Cadiz City	Public Market	30	30			30	30	100
	Bus/JEEPNEY Terminal	8	8			8	8	100
	Parks/Playground	6	6			6	6	100
	Total	44	44			44	44	100
Calatrava	Public Market	12	6			12	6	50
	Bus/JEEPNEY Terminal							
	Parks/Playground	16	16			16	16	100
	Total	28	22			28	22	79
Candoni	Public Market	2	2			2	2	100
	Bus/JEEPNEY Terminal	2	2			2	2	100
	Parks/Playground	2	2			2	2	100
	Total	6	6			6	6	100
Cauayan	Public Market	16	14			16	14	88
	Bus/JEEPNEY Terminal							
	Parks/Playground	3	3			3	3	100
	Total	19	17			19	17	89
Enrique B. Magalona	Public Market	2	2			2	2	100
	Bus/JEEPNEY Terminal							
	Parks/Playground							
	Total	2	2			2	2	100
Escalante	Public Market	6	6			6	6	100
	Bus/JEEPNEY Terminal							
	Parks/Playground	2	2			2	2	100
	Total	8	8			8	8	100
Himamaylan	Public Market	6	6			6	6	100
	Bus/JEEPNEY Terminal							
	Parks/Playground	6	6			6	6	100
	Total	12	12			12	12	100
Hinigaran	Public Market	1	1			1	1	100
	Bus/JEEPNEY Terminal							
	Parks/Playground	2	2			2	2	100
	Total	3	3			3	3	100
Hinoba-an (Asia)	Public Market	2				2		
	Bus/JEEPNEY Terminal							
	Parks/Playground							
	Total	2				2		
Ilog	Public Market	6	6			6	6	100
	Bus/JEEPNEY Terminal							
	Parks/Playground							
	Total	6	6			6	6	100
Isabela	Public Market	2	2			2	2	100
	Bus/JEEPNEY Terminal	2	2			2	2	100
	Parks/Playground	6	6			6	6	100
	Total	10	10			10	10	100
Kabankalan City	Public Market	28	14			28	14	50
	Bus/JEEPNEY Terminal	12	12			12	12	100
	Parks/Playground	2	2			2	2	100
	Total	42	28			42	28	67
La Carlota City	Public Market	10	10			10	10	100
	Bus/JEEPNEY Terminal	8	8			8	8	100
	Parks/Playground	2	2			2	2	100
	Total	20	20			20	20	100
La Castellana	Public Market	6	6			6	6	100
	Bus/JEEPNEY Terminal	4	4			4	4	100
	Parks/Playground	5	5			5	5	100
	Total	15	15			15	15	100
Manapla	Public Market	4	2			4	2	50
	Bus/JEEPNEY Terminal							
	Parks/Playground	4	4			4	4	100
	Total	8	6			8	6	75
Moises Padilla	Public Market	2	2			2	2	100
	Bus/JEEPNEY Terminal							
	Parks/Playground	6	6			6	6	100
	Total	8	8			8	8	100

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

Name of Municipality/City	Type	No. of PU with Toilets in 1998	No. of PU with Sanitary Toilets in 1998	No. of PU with Toilets in Planned/Ongoing Project	No. of PU with Sanitary Toilets in Planned/Ongoing Projects	No. of PU with Toilets in Base Year 1998	No. of PU with Sanitary Toilets in Base year 1998	Coverage (%)
Murcia	Public Market	4	4			4	4	100
	Bus/JEEPNEY Terminal							
	Parks/Playground	2	2			2	2	100
	Total	6	6			6	6	100
Pontevedra	Public Market	2	2			2	2	100
	Bus/JEEPNEY Terminal							
	Parks/Playground	4	4			4	4	100
	Total	6	6			6	6	100
Pulupandan	Public Market	4	4			4	4	100
	Bus/JEEPNEY Terminal							
	Parks/Playground	4	4			4	4	100
	Total	8	8			8	8	100
Sagay City	Public Market	22	12			22	12	55
	Bus/JEEPNEY Terminal	2	2			2	2	100
	Parks/Playground	10	10			10	10	100
	Total	34	24			34	24	71
Salvador Benedicto	Public Market							
	Bus/JEEPNEY Terminal							
	Parks/Playground							
	Total							
San Carlos City	Public Market	9	9			9	9	100
	Bus/JEEPNEY Terminal	6	6			6	6	100
	Parks/Playground	30	30			30	30	100
	Total	45	45			45	45	100
San Enrique	Public Market	2	2			2	2	100
	Bus/JEEPNEY Terminal							
	Parks/Playground	2	2			2	2	100
	Total	4	4			4	4	100
Silay City	Public Market	28	28			28	28	100
	Bus/JEEPNEY Terminal	2	2			2	2	100
	Parks/Playground	4	4			4	4	100
	Total	34	34			34	34	100
Sipalay	Public Market	8	8			8	8	100
	Bus/JEEPNEY Terminal	4	4			4	4	100
	Parks/Playground	2	2			2	2	100
	Total	14	14			14	14	100
Talisay City	Public Market	3	3			3	3	100
	Bus/JEEPNEY Terminal							
	Parks/Playground	2	2			2	2	100
	Total	5	5			5	5	100
Toboso	Public Market	2	2			2	2	100
	Bus/JEEPNEY Terminal							
	Parks/Playground	2	2			2	2	100
	Total	4	4			4	4	100
Valladolid	Public Market	2	2			2	2	100
	Bus/JEEPNEY Terminal							
	Parks/Playground	6	6			6	6	100
	Total	8	8			8	8	100
Victorias City	Public Market	2	2			2	2	100
	Bus/JEEPNEY Terminal	4	4			4	4	100
	Parks/Playground	16	16			16	16	100
	Total	22	22			22	22	100
Provincial Total	Public Market	239	203			239	203	85
	Bus/JEEPNEY Terminal	59	59			59	59	100
	Parks/Playground	170	170			170	170	100
	Total	468	432			468	432	92

Table 8.2.6 Households Coverage in Phase I Provided by Existing Facilities in the Base Year (Household Toilets)

Name of Municipality/City	No. of Household Served by Existing Facilities				Coverage in 1998						Coverage in 2005					
	No. of Household Served by Existing Facilities				No. of HHs	Percentage of Served Households			Total	Served Population	No. of HHs	Percentage of Served Households			Total	Served Population
						Flush	VIP/Dry	Pour Flush				Flush	Pour Flush	VIP/Dry		
Bago City	Urban	362	3,709	1,417	5,488	6,016	24	62	91	28,575	91	6,702	5	55	21	82
	Rural	25	11,101	6,833	17,959	20,580	33	54	87	27,319	87	22,930		48	30	78
	Total	387	14,810	8,250	23,447	26,596	31	56	88	55,894	88	29,632	1	50	28	79
Binalbagan	Urban	455	1,740	1,287	3,482	4,731	27	37	74	18,592	74	5,091	9	34	25	68
	Rural	155	1,354	2,373	3,882	5,917	3	23	66	16,582	66	6,367	2	21	37	61
	Total	610	3,094	3,660	7,364	10,648	6	29	69	35,174	69	11,458	5	27	32	64
Cadiz City	Urban	1,480	1,314	2,493	5,287	7,066	21	19	35	26,497	75	7,605	19	17	33	70
	Rural	2,548	4,620	3,536	10,704	18,244	14	25	59	20,844	59	19,636	13	24	18	55
	Total	4,028	5,934	6,029	15,991	25,310	16	23	63	47,341	63	27,241	15	22	22	59
Calatrava	Urban	86	1,131	677	1,894	2,506	3	45	76	9,162	76	2,574	3	44	26	74
	Rural	18	2,421	6,194	8,633	11,890	20	20	73	8,800	73	12,211		20	51	71
	Total	104	3,552	6,871	10,527	14,396	1	25	48	17,962	73	14,785	1	24	46	71
Candoni	Urban		250	179	429	531	34	47	81	2,273	81	553		45	32	78
	Rural		552	1,552	2,104	2,704	20	20	78	2,189	78	2,817		20	55	75
	Total		802	1,731	2,533	3,235	25	25	78	4,462	78	3,370		24	51	75
Cauayan	Urban	86	2,057	1,371	3,514	4,295	2	48	82	18,598	82	4,542	2	45	30	77
	Rural	148	5,639	3,805	9,592	11,813	1	48	32	18,371	81	12,493	1	45	30	77
	Total	234	7,696	5,176	13,106	16,108	1	48	32	36,969	81	17,035	1	45	30	77
Enrique B. Magalona	Urban	9	2,214	1,372	3,595	5,784	38	24	62	18,827	62	6,745		33	20	53
	Rural		1,542	1,488	3,030	5,050	31	29	60	18,220	60	5,889		26	25	51
	Total	9	3,756	2,860	6,625	10,834	35	26	61	37,047	61	12,634		30	23	52
Escalante	Urban	50	2,364	3,965	6,379	7,241	1	33	55	32,688	88	8,292	1	29	48	77
	Rural		2,269	5,135	7,404	9,383	24	55	79	29,345	79	10,744		21	48	69
	Total	50	4,633	9,100	13,783	16,624	28	55	83	62,033	83	19,036		24	48	72
Himamaylan	Urban	175	3,155	748	4,078	5,839	3	54	70	22,481	70	6,094	3	52	12	67
	Rural	261	3,476	2,812	6,549	9,650	3	36	68	21,838	68	10,072	3	35	28	65
	Total	436	6,631	3,560	10,627	15,489	3	43	69	44,319	69	16,166	3	41	22	66
Hinigaran	Urban	348	745	720	1,813	2,375	15	31	76	9,963	76	2,518	14	30	29	72
	Rural	850	3,527	3,915	8,292	11,215	8	31	74	9,701	74	11,893	7	30	33	70
	Total	1,198	4,272	4,635	10,105	13,590	9	31	74	19,664	74	14,411	8	30	32	70
Hinoba-an (Asia)	Urban	8	1,504	1,249	2,761	3,145	48	48	88	14,392	88	3,158		48	40	87
	Rural	7	2,043	2,002	4,052	4,629	44	44	88	14,392	88	4,648		44	43	87
	Total	15	3,547	3,251	6,813	7,774	46	46	88	28,784	88	7,806		45	42	87
Ilog	Urban		4,382		4,382	5,156	85	85	85	23,055	85	5,156		85	85	85
	Rural		2,676		2,676	3,227	83	83	83	22,512	83	3,227		83	83	83
	Total		7,058		7,058	8,383	84	84	84	45,567	84	8,383		84	84	84

Table 8.2.6 Households Coverage in Phase I Provided by Existing Facilities in the Base Year (Household Toilets) (Cont'd)

Name of Municipality/City	Area	No. of Household Served by Existing Facilities				Coverage in 1998						Coverage in 2005								
		No. of HHs				Percentage of Served Households			Served Population		No. of HHs				Percentage of Served Households			Served Population		
		Flush	Pour	VIP/Dry	Total	Flush	Pour	VIP/Dry	Total	Number	%	Flush	Pour	VIP/Dry	Total	Number	%			
Isabela	Urban	129	1,746	97	1,972	2,193	6	80	4	90	10,026	90	2,332	6	75	4	85	10,503	85	
	Rural	65	5,448	295	5,808	7,480	1	73	4	78	8,689	78	7,955	1	68	4	73	32,655	73	
	Total	194	7,194	392	7,780	9,673	2	74	4	80	18,715	80	10,287	2	70	4	76	43,158	76	
	Urban	281	2,384	5,925	8,590	9,081	3	26	65	95	47,534	95	10,274	3	23	57	83	53,891	83	
Kabankalan City	Rural	64	4,649	9,575	14,288	17,642	26	54	81	81	40,529	81	20,153		23	48	71	90,371	71	
	Total	345	7,033	15,500	22,878	26,723	1	26	58	86	88,063	86	30,527	1	23	51	75	144,262	75	
	Urban	449	3,413	59	3,921	4,244	11	80	1	92	21,043	92	4,267	11	80	1	92	21,741	92	
	Rural	71	4,987	157	5,215	6,378	1	78	2	82	18,756	82	6,413	1	78	2	81	29,936	81	
La Carlota City	Total	520	8,400	216	9,136	10,622	5	79	2	86	39,799	86	10,680	5	79	2	86	51,677	86	
	Urban	100	1,652	1,133	2,885	4,131	2	40	27	70	15,211	70	4,723	2	35	24	61	17,904	61	
	Rural	6	2,577	2,851	5,434	8,160	32	35	67	67	14,559	67	9,329		28	31	58	28,738	58	
	Total	106	4,229	3,984	8,319	12,291	1	34	32	68	29,770	68	14,052	1	30	28	59	46,642	59	
Manapla	Urban	143	776	334	1,253	1,820	8	43	18	69	6,605	69	2,098	7	37	16	60	6,929	60	
	Rural	481	2,313	1,969	4,763	6,986	7	33	28	68	6,509	68	8,053	6	29	24	59	25,979	59	
	Total	624	3,089	2,303	6,016	8,806	7	35	26	68	13,114	68	10,151	6	30	23	59	32,908	59	
	Urban	19	855	541	1,415	2,143	1	40	25	66	7,141	66	2,208	1	39	25	64	7,839	64	
Moises Padilla	Rural		1,022	1,558	2,580	4,038	25	39	64	64	6,925	64	4,161		25	37	62	14,794	62	
	Total	19	1,877	2,099	3,995	6,181	30	34	65	65	14,066	65	6,369		29	33	63	22,633	63	
	Urban	84	1,201	1,011	2,296	3,471	2	35	29	66	11,707	66	3,946	2	30	26	58	16,943	58	
	Rural	74	2,619	2,253	4,946	7,780	1	34	29	64	11,352	64	8,843	1	30	25	56	23,027	56	
Murcia	Total	158	3,820	3,264	7,242	11,251	1	34	29	64	23,059	64	12,789	1	30	26	57	39,970	57	
	Urban	93	2,471	475	3,039	3,826	2	65	12	79	15,385	79	4,162	2	59	11	73	19,280	73	
	Rural	22	2,332	1,101	3,455	4,719	49	23	73	73	14,217	73	5,133		45	21	67	16,887	67	
	Total	115	4,803	1,576	6,494	8,545	1	56	18	76	29,602	76	9,295	1	52	17	70	36,167	70	
Pulupandan	Urban	30	845	1,681	2,556	3,129	1	27	54	82	13,342	82	3,517	1	24	48	73	13,349	73	
	Rural	33	820	902	1,755	1,992	2	41	45	88	14,318	88	2,239	1	37	40	78	8,818	78	
	Total	63	1,665	2,583	4,311	5,121	1	33	50	84	27,660	84	5,756	1	29	45	75	22,167	75	
	Urban	1,582	2,455	4,381	8,418	9,499	17	26	46	89	44,723	89	11,434	14	21	38	74	45,611	74	
Sagay City	Rural	620	3,146	9,850	13,616	17,558	4	18	56	78	39,195	78	21,134	3	15	47	64	76,580	64	
	Total	2,202	5,601	14,231	22,034	27,057	8	21	53	81	83,918	81	32,568	7	17	44	68	122,191	68	
	Urban																			
	Rural		2,359	463	2,822	3,547	67	13	80	80		80	3,968		59	12	71	16,029	71	
San Carlos City	Total		2,359	463	2,822	3,547	67	13	80	80	23,733	82	6,310	9	45	20	74	25,386	74	
	Urban	592	2,813	1,264	4,669	5,697	10	49	22	82	23,733	82	17,411	9	45	20	74	25,386	74	
	Rural	16	5,587	7,180	12,783	15,721	36	46	81	81	23,444	81	17,411	3	32	41	73	63,062	73	
	Total	608	8,400	8,444	17,452	21,418	3	39	81	81	47,177	81	23,721	3	35	36	74	88,448	74	

Table 8.2.6 Households Coverage in Phase I Provided by Existing Facilities in the Base Year (Household Toilets) (Cont'd)

Name of Municipality/City	Area	No. of Household Served by Existing Facilities				Coverage in 1998						Coverage in 2005					
		Flush	Pour Flush	VIP/Dry	Total	No. of HHs	Percentage of Served Households			Served Population	No. of HHs	Percentage of Served Households			Served Population	No. of HHs	%
							Flush	Pour Flush	VIP/Dry	Total		Flush	Pour Flush	VIP/Dry	Total		
San Enrique	Urban	206	1,176	95	1,477	1,897	11	62	5	78	7,695	78	10	56	5	70	9,507
	Rural	163	1,139	323	1,625	2,218	7	51	15	73	7,201	73	7	46	13	66	8,595
	Total	369	2,315	418	3,102	4,115	9	56	10	75	14,896	75	8	51	9	68	18,102
Silay City	Urban	9,117	49	9,166	10,735	10,735	85	85	85	85	49,183	85	76	76	76	56,023	76
	Rural	3,750	2,028	5,778	13,622	13,622	28	28	15	42	24,302	42	25	13	38	28,253	38
	Total	12,867	2,077	14,944	24,357	24,357	53	53	9	61	73,485	61	47	8	55	84,276	55
Sipalay	Urban	456	1,518	1,597	3,571	4,136	11	37	39	86	18,530	86	10	35	37	82	19,906
	Rural	822	2,850	1,655	5,327	8,335	10	34	20	64	13,789	64	9	33	19	61	30,034
	Total	1,278	4,368	3,252	8,898	12,471	10	35	26	71	32,319	71	10	33	25	68	49,940
Talisay City	Urban	872	3,000	993	4,865	6,508	13	46	15	75	24,892	75	12	41	14	67	26,367
	Rural	163	4,755	4,918	7,541	7,541	2	2	63	65	21,573	65	2	56	58	27,402	58
	Total	872	3,163	5,748	9,783	14,049	6	23	41	70	46,465	70	6	20	37	62	53,769
Toboso	Urban	20	800	244	1,064	1,441	1	56	17	74	5,386	74	1	47	14	63	5,410
	Rural	42	1,509	3,180	4,731	6,477	1	23	49	73	5,314	73	1	20	42	62	25,014
	Total	62	2,309	3,424	5,795	7,918	1	29	43	73	10,700	73	1	25	37	63	30,424
Valladolid	Urban	75	2,458	380	2,913	4,163	2	59	9	70	14,746	70	2	55	8	65	16,576
	Rural	13	1,279	174	1,466	2,241	1	57	8	65	13,693	65	1	53	7	60	8,381
	Total	88	3,737	554	4,379	6,404	1	58	9	68	28,439	68	1	54	8	63	24,957
Victorias City	Urban	1,491	5,054	2,430	8,975	11,530	13	44	21	78	47,127	78	11	37	18	66	51,922
	Rural	115	1,751	1,572	3,438	4,457	3	39	35	77	46,523	77	2	33	30	66	20,329
	Total	1,606	6,805	4,002	12,413	15,987	10	43	25	78	93,650	78	9	36	21	66	72,451
Provincial Total	Urban	9,681	68,299	38,167	116,147	144,329	7	47	26	80	609,112	80	6	43	24	73	665,926
	Rural	6,619	91,520	91,486	189,025	261,194	3	35	35	73	541,001	73	2	32	32	66	1,041,127
	Total	16,300	159,819	129,653	305,772	405,523	4	39	32	75	1,150,113	75	4	36	29	68	1,707,053

Table 8.2.7 Public School Students and Public Utilities Coverage in Phase I by Existing Facilities in the Base Year

Name of Municipality/City	Public School Toilets				Public Toilets					
	Std. No. of Student that can be Served by Base Year	Coverage in 1998		Total No. of Public School Student	Coverage in 2005		Coverage in 2005			
		Total No. of Public School Students	%		No. of PU with Toilets in Base Year	%	No. of PU with Toilets	No. of PU with Sanitary Toilets in Base Year	%	
Bago City	13,600	32,768	42	37,500	36	36	100	23	36	156.5
Binalbagan	8,320	13,743	61	15,227	55	9	100	9	9	100
Cadiz City	7,600	30,176	25	33,043	23	44	100	12	44	367
Calatrava	7,960	16,888	47	16,618	48	28	79	10	22	220
Candoni	1,040	5,344	19	5,079	20	6	100	3	6	200
Cauayan	6,280	20,387	31	22,894	27	19	89	5	17	340
Enrique B. Magalona	2,320	12,481	19	9,907	23	2	100	3	2	67
Escalante	7,920	19,209	41	26,760	30	8	100	7	8	114
Himamaylan	10,280	21,392	48	23,206	44	12	100	11	12	109
Hinigaran	14,120	16,694	85	18,249	77	3	100	4	3	75
Hinoba-an (Asia)	4,480	11,666	38	11,598	39	2		5		
Ilog	2,640	10,249	26	10,662	25	6	100	5	6	120
Isabela	10,240	11,729	87	12,995	79	10	100	3	10	333
Kabankalan City	6,840	33,994	20	41,409	17	42	67	20	28	140
La Carlota City	7,920	15,075	53	14,273	55	20	100	9	20	222
La Castellana	15,170	15,170	100	17,460	87	15	100	9	15	167
Manapla	4,520	9,889	46	11,498	39	8	75	4	6	150
Moises Padilla	5,160	7,058	73	4,273	121	8	100	4	8	200
Murcia	3,360	13,542	25	20,702	16	6	100	8	6	75
Pontevedra	760	10,354	7	11,768	6	6	100	3	6	200
Pulupandan	4,800	4,956	97	5,932	81	8	100	9	8	89
Sagay City	3,880	27,980	14	35,090	11	34	71	16	24	150
Salvador Benedicto		3,707		3,856				2		
San Carlos City	5,840	24,352	24	28,882	20	45	100	18	45	250
San Enrique	1,640	4,237	39	4,982	33	4	100	2	4	200
Silay City	4,040	22,627	18	25,640	16	34	100	6	34	567
Sipalay	6,160	15,405	40	16,424	38	14	100	6	14	233
Talisay City	6,240	15,535	40	17,629	35	5	100	4	5	125
Toboso	3,440	10,158	34	12,219	28	4	100	5	4	80
Valladolid	480	6,241	8	7,033	7	8	100	7	8	114
Victorias City	12,040	19,695	61	23,508	51	22	100	10	22	220
Provincial Total	189,090	482,701	39	546,316	35	468	92	242	432	179

8.3 Projection of Frame Values

8.3.1 Review of Past Population Development and Population Projection

The future population of the region and the province has been projected by the NSO. However, the NSO does not prepare municipal population. With regard to this, the municipal population for the years 1998 (planning base year), 2005 (medium-term target year) and 2010 (long-term target year) was projected in this study. Available information for the study at present is as follows:

- NSO population census results from 1980 to 1995
- 1995 Census-based Regional and Provincial Population Projection prepared by the NSO
- Provincial Physical Framework Plan/Comprehensive Provincial Land Use Plan (1993-2002) prepared by the Provincial Office (hereafter referred to as "the Land Use Plan")

(1) 1995 Census-Based Regional and Provincial Population Projections: NSO

The NSO conducted regional and provincial projections for the period 1995-2020. The assumptions take into account future trends in the demographic processes of fertility, mortality and migration required by the cohort-component method for projecting population. The 1995 Population Census was used as the basis for the projection.

In the regional population projection, the subject region for this study; Region VI is classified as the medium-sized region (at least 5 million but less than 10 million by year 2000). The following are the result of projection for the region and the province of Negros Occidental in 2000, 2005 and 2010.

Table 8.3.1 Regional and Provincial Population Projection by NSO

Year		1980	1990	1995	2000	2005	2010
Region VI	Population	4,525,615	5,393,333	5,756,623	6,328,671	6,890,447	7,428,329
	Growth Rate	-	1.77%	1.31%	1.91%	1.72%	1.51%
Negros Occidental	Population	1,930,301	2,256,908	2,425,941	2,627,178	2,910,028	3,131,450
	Growth Rate	-	1.58%	1.45%	1.95%	1.72%	1.48%

Note: Average annual growth rates: geometric growth rate

Population of the province in 1995 as of Sep. 1, 1995 was 2,434,186 (1995 Census)

In the past development, annual growth rates of the region and province between 1990 and 1995 decreased compared with those of previous census period. The change of growth rate for the region was larger (from 1.77% to 1.31%) than that of the province (from 1.58% to 1.45%). The NSO, however, adopted almost same growth rates for the region and province for its projection. Thus, the growth rates of the region with 5-year interval between 1995 and 2010 are assumed at 1.91%, 1.72% and 1.51%, respectively. Likewise, those of the province are assumed at 1.95%, 1.72% and 1.48%.

(2) The Land Use Plan: Province of Negros Occidental (Planning period 1993-2002)

The population projection on the provincial total and component municipalities together with the regional population was made with a base year 1990. The population for the year 2002 was projected using a uniform growth rate between 1990 and 2002 referring to the experience from 1980 to 1990 (census years). The regional and provincial growth rates between 1980 and 1990 were 1.77% and 1.58%, respectively.

The following are comparison of the projected population for year 2002 between the Land Use Plan and NSO.

	<u>Land Use Plan</u>	<u>NSO</u>	<u>Comparison</u>
Regional Population	6,811,000	6,890,447	1.2% lower than NSO
Provincial Population	2,864,789	2,767,263	3.5% higher than NSO

In comparison between Land Use Plan and NSO's projection for year 2002, there is no significant difference both in regional and provincial population.

While Table 8.3.2 shows past population developments in census years (1980-1995) and projections for the years 1995 and 2002 by municipality as a base year 1990 in application of assumed annual growth rates for the period 1990 to 2002 in the said Land Use Plan.

Regarding the projected municipal population in 1995, that of twenty (20) out of 32 municipalities/cities including Bacolod City is higher than that of NSO with a range of 0.3% to 70%, while that of remaining twelve (12) municipalities is lower with a range of -0.3% to -36%.

Thus, future projection shall be made using 1995 census results as a base year. While, the regional and provincial population projected by the NSO may be adopted in this PW4SP, since there is not so much difference from the population projected in the Land Use Plan.

(3) Population Projection of the Province

The following conditions are considered in the population projection.

Regional and Provincial Population

For the regional and provincial population in the study, the projection conducted by NSO shall be adopted. Table 8.3.3 shows the projected population of the region VI and component provinces.

Table 8.3.2 Census Population and Projected Population in Land Use Plan

Municipality	Census Population					Land Use Plan			
	1980	1990	Growth Rate (1980-1990)	1995	Growth Rate (1990-1995)	1995*	Comparis w/ Census (%)	2002	Growth Rate (1980-2005)
Bacolod City	262,415	362,825	3.29%	402,345	2.09%	426,630	6.04%	535,239	3.29%
Bago City	99,631	122,717	2.11%	132,338	1.52%	136,195	2.91%	157,586	2.11%
Binalbagan	49,428	51,968	0.50%	54,664	1.02%	53,287	-2.52%	55,189	0.50%
Cadiz City	129,632	119,707	-0.79%	125,943	1.02%	129,467	2.80%	144,483	1.58%
Calatrava	58,163	60,214	0.35%	69,902	3.03%	61,267	-12.35%	62,771	0.35%
Candoni	10,831	16,546	4.33%	17,004	0.55%	20,451	20.27%	27,512	4.33%
Caubayan	70,017	81,005	1.47%	84,159	0.77%	87,130	3.53%	96,490	1.47%
Enrique B. Magalona	44,411	48,846	0.96%	54,421	2.19%	51,227	-5.87%	54,756	0.96%
Escalante	71,239	72,681	0.20%	79,928	1.92%	73,385	-8.19%	74,382	0.19%
Himamaylan	70,467	80,905	1.39%	83,268	0.58%	86,690	4.11%	95,491	1.39%
Hinigaran	54,717	68,704	2.30%	71,519	0.81%	76,986	7.64%	90,285	2.30%
Hinoba-an (Asia)	45,819	40,773	-1.16%	40,819	0.02%	44,097	8.03%	49,212	1.58%
Ilog	38,956	46,588	1.81%	43,905	-1.18%	50,948	16.04%	57,745	1.81%
Isabela	39,704	46,990	1.70%	49,019	0.85%	51,120	4.29%	57,519	1.70%
Kabankalan City	92,109	126,872	3.25%	139,282	1.88%	148,901	6.91%	186,313	3.25%
La Carlota City	45,812	56,290	2.08%	56,414	0.04%	62,396	10.60%	72,073	2.08%
La Castellana	44,864	54,277	1.92%	59,620	1.90%	59,820	0.34%	68,544	1.96%
Manapla	40,524	40,095	-0.11%	44,301	2.02%	43,364	-2.11%	48,394	1.58%
Moises Padilla	22,916	30,740	2.98%	31,350	0.39%	35,603	13.57%	43,730	2.98%
Murcia	45,162	50,396	1.10%	55,128	1.81%	53,236	-3.43%	57,484	1.10%
Pontevedra	33,258	40,036	1.87%	42,443	1.17%	43,927	3.50%	50,017	1.87%
Pulupandan	24,824	22,977	-0.77%	24,932	1.65%	24,851	-0.33%	27,733	1.58%
Sagay City	99,118	112,649	1.29%	128,374	2.65%	120,092	-6.45%	131,346	1.29%
Salvador	0	13,331	-	17,635	5.76%	14,418	-18.24%	16,090	1.58%
San Carlos City	91,627	105,649	1.43%	101,429	-0.81%	113,445	11.85%	125,336	1.43%
San Enrique	14,662	19,237	2.75%	20,649	1.43%	22,035	6.71%	26,648	2.75%
Silay City	111,131	100,944	-0.96%	122,748	3.99%	109,175	-11.06%	121,837	1.58%
Sipalay	51,264	61,828	1.89%	63,960	0.68%	67,900	6.16%	77,416	1.89%
Talisay City	53,624	63,232	1.66%	68,401	1.58%	68,663	0.38%	77,060	1.66%
Toboso	36,415	34,611	-0.51%	38,623	2.22%	37,433	-3.08%	41,775	1.58%
Valladolid	21,728	29,712	3.18%	31,380	1.10%	34,745	10.72%	43,254	3.18%
Victorias City	55,959	69,828	2.24%	78,283	2.31%	78,003	-0.36%	91,080	2.24%
Province	1,930,427	2,253,173	1.56%	2,434,186	1.56%	2,486,886	2.16%	2,864,790	2.02%

Note: * Population in 1995 was estimated using average annual growth rate (1990-2002) employed in Land Use Plan

Table 8.3.3 Projected Population by the NSO

Province	Census	Projected Population/Growth Rate					
	Population	Population			Average Annual Growth Rate		
	1995	1998	2005	2010	1995-2000	2000-2005	2005-2010
Aklan	408,949	432,359	487,839	528,072	1.84%	1.72%	1.60%
Antique	430,363	455,051	512,755	554,797	1.84%	1.69%	1.59%
Capiz	622,034	657,975	742,312	801,742	1.86%	1.71%	1.55%
Guimaras	126,034	133,422	150,680	162,774	1.88%	1.72%	1.56%
Iloilo	1,743,302	1,847,328	2,086,833	2,249,494	1.91%	1.72%	1.51%
Negros Occidental	2,425,941	2,573,658	2,910,028	3,131,450	1.95%	1.72%	1.48%
Region VI	5,756,623	6,099,793	6,890,447	7,428,329	1.91%	1.72%	1.51%

Source: NSO

Note: Population of the province in 1995 as of Sep. 1, 1995 was 2,434,186 (1995 Census)

Municipal Population

- 1) The total population of the province in 1998, 2005 and 2010 was fixed.
- 2) Municipal population for short/medium-term target years (1998 and 2005) is estimated using the recorded growth rates between 1990 and 1995. The municipal population estimated initially is adjusted in proportion to the population size of each municipality to the total provincial population, to meet the above mentioned provincial population fixed for the years 1998 and 2005. In this adjustment, 1995 population was fixed for the municipality of Ilog to avoid negative growth.

In addition, for the municipalities of Bacolod City, Calatrava, Salvador Benedicto, San Carlos and Silay City, the growth rates adopted in the Land Use Plan were applied in consideration of the current local situation.

For the year 2010 in the long-term, it is assumed that the tendency of population growth of respective municipalities between 1980 and 1995 will be stable reflecting the experiences in the past long term between 1980 and 1995. Thus, experienced growth rate between 1980 and 1995 by municipality is firstly applied to project 2010 population from the year 2005. Then, the municipal population estimated initially is adjusted in the same manner mentioned above.

Table 8.3.4 presents census results (1980, 1990 and 1995) and projected population of the municipalities.

Population by Urban and Rural Area

- 1) Past population development

Table 8.3.5 shows the urban and rural population with growth rates in census years (1980-1995) by municipality. With regards to the ratio of the urban population of the study area to the total population, the averages in 1980 and 1990 were 26.8% and 35.2%, respectively. While it maintained almost same percentage (35.5%) in 1995. The average growth rate of 4.05% (1980 - 1990) decreased to 1.60% in 1995. With regard to rural population, the growth rates as the provincial average were 0.03% (1980 - 1990) and 1.37% (1990 - 1995).

- 2) Projection of urban and rural population for the years 1998, 2005 and 2010

Urban population by municipality for the target years was at first projected and rural population was calculated to meet aforementioned total population fixing the urban population.

Table 8.3.4 Census results and Projected Population of Municipalities

Municipality /City	Census Result					Projected Population/Growth Rate								
	Population			GR		1998			2005			2010		
	1980	1990	1995	1990- 1995	1980- 1995	Population		GR	Population		GR	Population		GR
						Initial	Adjust.		Initial	Adjust.		Initial	Adjust.	
Bago City	99,631	122,717	132,338	1.52%	1.91%	138,469	139,242	1.71%	153,902	155,141	1.60%	170,538	168,773	1.70%
Binalbagan	49,428	51,968	54,664	1.02%	0.67%	56,348	56,663	1.20%	60,483	60,970	1.10%	63,051	62,398	0.46%
Cadiz City	129,632	119,707	125,943	1.02%	-0.19%	129,839	130,564	1.21%	139,406	140,528	1.10%	140,528	140,528	0.00%
Calatrava	58,163	60,214	69,902	3.03%	1.23%	70,633	71,027	0.53%	72,367	72,949	0.43%	77,560	76,757	1.02%
Candoni	10,831	16,546	17,004	0.55%	3.05%	17,285	17,381	0.73%	17,958	18,103	0.63%	21,040	20,822	2.84%
Cauayan	70,017	81,005	84,159	0.77%	1.23%	86,110	86,591	0.95%	90,840	91,571	0.85%	97,362	96,355	1.02%
Enrique B.	44,411	48,846	54,421	2.19%	1.36%	58,067	58,391	2.37%	67,553	68,096	2.27%	72,870	72,116	1.15%
Escalante	71,239	72,681	79,928	1.91%	0.77%	84,619	85,091	2.11%	96,662	97,440	2.00%	101,250	100,202	0.56%
Himanayan	70,467	80,905	83,268	0.58%	1.12%	84,719	85,192	0.76%	88,203	88,913	0.66%	94,000	93,027	0.91%
Hinigaran	54,717	68,704	71,519	0.81%	1.80%	73,263	73,672	0.99%	77,500	78,123	0.89%	85,418	84,534	1.59%
Hinoba-an	45,819	40,773	40,819	0.02%	-0.77%	40,847	41,075	0.21%	40,911	41,240	0.10%	41,240	41,240	0.00%
Ilog	38,956	46,588	43,905	-1.18%	0.80%	43,905	43,905	0.00%	43,905	43,905	0.00%	45,691	45,218	0.59%
Isabela	39,704	46,990	49,019	0.85%	1.41%	50,278	50,559	1.04%	53,344	53,773	0.93%	57,686	57,059	1.20%
Kabankalan	92,109	126,872	139,282	1.88%	2.80%	147,303	148,125	2.07%	167,862	169,213	1.97%	194,222	192,212	2.58%
La Carlota City	45,812	56,290	56,414	0.04%	1.40%	56,489	56,804	0.23%	56,663	57,119	0.12%	61,223	60,589	1.19%
La Castellana	44,864	51,277	59,620	1.90%	1.91%	63,075	63,427	2.08%	71,936	72,515	1.98%	79,724	78,899	1.70%
Manapla	40,524	40,095	44,301	2.02%	0.60%	47,034	47,296	2.20%	54,083	54,518	2.10%	56,162	55,581	0.39%
Moises Padilla	22,916	30,740	31,350	0.39%	2.11%	31,722	31,899	0.58%	32,607	32,869	0.47%	36,458	36,111	1.90%
Murcia	45,162	50,396	55,128	1.81%	1.34%	58,178	58,503	2.00%	65,967	66,498	1.89%	71,068	70,332	1.13%
Pontevedra	33,258	40,036	42,443	1.17%	1.64%	43,956	44,201	1.36%	47,700	48,084	1.26%	52,156	51,616	1.43%
Pulupandan	24,824	22,977	24,932	1.65%	0.03%	26,184	26,330	1.84%	29,355	29,591	1.73%	29,591	29,591	0.00%
Sagay City	99,118	112,649	128,374	2.65%	1.74%	138,844	139,619	2.84%	166,716	168,057	2.73%	183,189	181,293	1.53%
Salvador	0	13,331	17,635	5.76%	#DIV/0!	18,484	18,587	1.77%	20,618	20,794	1.66%	22,812	22,576	1.66%
San Carlos City	91,627	105,649	101,429	-0.81%	0.68%	105,856	106,447	1.62%	116,951	117,892	1.52%	121,955	120,692	0.47%
San Enrique	14,662	19,237	20,649	1.43%	2.31%	21,545	21,666	1.62%	23,792	23,983	1.51%	26,883	26,604	2.10%
Silay City	111,131	100,944	122,748	3.99%	0.67%	128,659	129,377	1.77%	143,581	144,736	1.66%	149,614	148,065	0.46%
Sipalay	51,264	61,828	63,960	0.68%	1.49%	65,274	65,639	0.87%	68,447	68,998	0.76%	74,279	73,511	1.28%
Talisay City	53,624	63,232	68,401	1.58%	1.64%	71,703	72,103	1.77%	80,041	80,685	1.67%	87,504	86,599	1.42%
Toboso	36,415	34,611	38,623	2.22%	0.39%	41,250	41,480	2.41%	48,096	48,483	2.30%	49,444	48,932	0.18%
Valladolid	21,728	29,712	31,380	1.10%	2.48%	32,425	32,606	1.19%	35,002	35,284	1.18%	39,883	39,470	2.27%
Victorias City	55,959	69,828	78,283	2.31%	2.26%	83,840	84,308	2.50%	98,388	99,180	2.39%	110,923	109,775	2.05%
Study Area	1,668,0	1,890,3	2,031,8	1.45%	1.31%	2,116,2	2,127,7	1.55%	2,330,8	2,349,2	1.46%	2,515,3	2,491,5	1.18%
Bacolod City	262,415	362,825	402,345	2.09%	2.89%	443,416	445,891	3.48%	556,298	560,775	3.38%	646,634	639,941	2.68%
Province	1,930,4	2,253,1	2,434,1	1.56%	1.56%	2,559,6	2,573,6	1.87%	2,887,1	2,910,0	1.80%	3,161,9	3,131,4	1.48%

Note: Growth rates in 1998, 2005 and 2010 were calculated using geometric formula.

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

Short/Medium-term target: 1998 and 2005

The share of urban population in 1995 to total population by municipality were basically adopted, assuming that the latest profile will be maintained in short/medium-term period.

Long-term target: 2010

For the long-term projection, the recorded growth rates of urban population between 1980 and 1995 may be applied for the municipal population in 2010, assuming that the tendency of urban population will be stable reflecting the experiences in the past long period.

Table 8.3.5 Past Population Development by Urban and Rural Area

Municipality/City	1980			1990				1995					
	Total	Urban/ Rural	Share (%)	Total	Urban/ Rural	G.R. (1980- 1990)	Share (%)	Total	Urban/ Rural	G.R. (1990- 1995)	G.R. (1980- 1995)	Share (%)	
Urban Area	Bago City	99,631	27,832	27.9%	122,717	35,285	2.40%	28.8%	132,338	29,844	-3.29%	0.47%	22.6%
	Binalbagan	49,428	21,589	43.7%	51,968	30,872	3.64%	59.4%	54,664	24,238	-4.72%	0.77%	44.3%
	Cadiz City	129,632	25,215	19.5%	119,707	40,361	4.82%	33.7%	125,943	34,079	-3.33%	2.03%	27.1%
	Calatrava	58,163	5,136	8.8%	60,214	6,020	1.60%	10.0%	69,902	11,864	14.53%	5.74%	17.0%
	Candoni	10,831	2,701	24.9%	16,546	4,740	5.79%	28.6%	17,004	2,745	-10.35%	0.11%	16.1%
	Cauayan	70,017	5,762	8.2%	81,005	34,633	19.64%	42.8%	84,159	22,043	-8.64%	9.36%	26.2%
	F.B. Magalona	44,411	5,650	12.7%	48,846	6,299	1.09%	12.9%	54,421	28,301	35.05%	11.34%	52.0%
	Escalante	71,239	19,639	27.6%	72,681	19,306	-0.17%	26.6%	79,928	34,892	12.57%	3.91%	43.7%
	Himamaylan	70,467	9,207	13.1%	80,905	18,779	7.39%	23.2%	83,268	31,390	10.82%	8.52%	37.7%
	Hinigaran	54,717	11,015	20.1%	68,704	17,824	4.93%	25.9%	71,519	12,726	-6.52%	0.97%	17.8%
	Hinobaan	45,819	2,539	5.5%	40,773	17,128	21.03%	42.0%	40,819	16,253	-1.04%	13.18%	39.8%
	Ilog	38,956	5,649	14.5%	46,588	13,170	8.83%	28.3%	43,905	27,123	15.54%	11.03%	61.8%
	Isabela	39,704	9,525	24.0%	46,990	11,008	1.46%	23.4%	49,019	10,801	-0.38%	0.84%	22.0%
	Kabankalan	92,109	20,208	21.9%	126,872	22,973	1.29%	18.1%	139,282	47,049	15.42%	5.80%	33.8%
	La Carlota	45,812	20,943	45.7%	56,290	29,473	3.48%	52.4%	56,414	22,716	-5.07%	0.54%	40.3%
	La Castellana	44,864	12,388	27.6%	54,277	12,266	-0.10%	22.6%	59,620	20,426	10.74%	3.39%	34.3%
	Manapla	40,524	7,819	19.3%	40,095	14,874	6.64%	37.1%	44,301	8,966	-9.63%	0.92%	20.2%
	Moises	22,916	3,200	14.0%	30,740	4,062	2.41%	13.2%	31,350	10,634	21.22%	8.34%	33.9%
	Murcia	45,162	5,496	12.2%	50,396	11,106	7.29%	22.0%	55,128	16,715	8.52%	7.70%	30.3%
	Pontevedra	33,258	9,651	29.0%	40,036	16,958	5.80%	42.4%	42,443	18,700	1.97%	4.51%	44.1%
	Pulupandan	24,824	24,824	100.0%	22,977	14,299	-5.37%	62.2%	24,932	15,407	1.50%	-3.13%	61.8%
	Sagay	99,118	43,662	44.1%	112,649	48,680	1.09%	43.2%	128,374	46,203	-1.04%	0.38%	36.0%
	S. Benedicto	0	0	-	13,331	3,623	-	27.2%	17,635	0	-	-	0.0%
	San Carlos	91,627	22,499	24.6%	105,649	38,359	5.48%	36.3%	101,429	27,579	-6.39%	1.37%	27.2%
	San Enrique	14,662	4,887	33.3%	19,237	9,146	6.47%	47.5%	20,649	9,402	0.55%	4.46%	45.5%
	Silay City	111,131	37,173	33.4%	100,944	41,769	1.17%	41.4%	122,748	54,897	5.62%	2.63%	44.7%
	Sipalay	51,264	17,051	33.3%	61,828	32,986	6.82%	53.4%	63,960	20,995	-8.64%	1.40%	32.8%
	Talisay	53,624	26,463	49.3%	63,232	48,741	6.30%	77.1%	68,401	31,485	-8.37%	1.17%	46.0%
	Toboso	36,415	10,243	28.1%	34,611	9,660	-0.58%	27.9%	38,623	6,778	-6.84%	-2.72%	17.5%
	Valladolid	21,728	4,371	20.1%	29,712	6,012	3.24%	20.2%	31,380	20,274	27.52%	10.77%	64.6%
	Victorias	55,959	24,992	44.7%	69,828	45,069	6.07%	64.5%	78,283	56,101	4.48%	5.54%	71.7%
	Study Area	1,668,01	447,329	26.8%	1,890,34	665,481	4.05%	35.2%	2,031,84	720,626	1.69%	3.23%	35.5%
Rural Area	Bago City	99,631	71,799	72.1%	122,717	87,432	1.99%	71.2%	132,338	102,494	3.23%	2.40%	77.4%
	Binalbagan	49,428	27,839	56.3%	51,968	21,096	-2.74%	40.6%	54,664	30,426	7.60%	0.59%	55.7%
	Cadiz City	129,632	104,417	80.5%	119,707	79,346	-2.71%	66.3%	125,943	91,864	2.97%	-0.85%	72.9%
	Calatrava	58,163	53,027	91.2%	60,214	54,194	0.22%	90.0%	69,902	58,038	1.38%	0.60%	83.0%
	Candoni	10,831	8,130	75.1%	16,546	11,806	3.80%	71.4%	17,004	14,259	3.85%	3.82%	83.9%
	Cauayan	70,017	64,255	91.8%	81,005	46,372	-3.21%	57.2%	84,159	62,116	6.02%	-0.23%	73.8%
	E.B. Magalona	44,411	38,761	87.3%	48,846	42,547	0.94%	87.1%	54,421	26,120	-9.30%	-2.60%	48.0%
	Escalante	71,239	51,600	72.4%	72,681	53,375	0.34%	73.4%	79,928	45,036	-3.34%	-0.90%	56.3%
	Himamaylan	70,467	61,260	86.9%	80,905	62,126	0.14%	76.8%	83,268	51,878	-3.54%	-1.10%	62.3%
	Hinigaran	54,717	43,702	79.9%	68,704	50,830	1.53%	74.1%	71,519	58,793	2.93%	2.00%	82.2%
	Hinobaan	45,819	43,280	94.5%	40,773	23,645	-5.87%	58.0%	40,819	24,566	0.77%	-3.71%	60.2%
	Ilog	38,956	33,307	85.5%	46,588	33,418	0.03%	71.7%	43,905	16,782	-12.87%	-4.47%	38.2%
	Isabela	39,704	30,179	76.0%	46,990	35,982	1.77%	76.6%	49,019	38,218	1.21%	1.59%	78.0%
	Kabankalan	92,109	71,901	78.1%	126,872	103,899	3.75%	81.9%	139,282	92,233	-2.35%	1.67%	66.2%
	La Carlota	45,812	24,869	54.3%	56,290	26,817	0.76%	47.6%	56,414	33,698	4.67%	2.05%	59.7%
	La Castellana	44,864	32,476	72.4%	54,277	42,011	2.61%	77.4%	59,620	39,194	-1.38%	1.26%	65.7%
	Manapla	40,524	32,705	80.7%	40,095	25,221	-2.57%	62.9%	44,301	35,335	6.98%	0.52%	79.8%
	Moises	22,916	19,716	86.0%	30,740	26,678	3.07%	86.8%	31,350	20,716	-4.93%	0.33%	66.1%
	Murcia	45,162	39,666	87.8%	50,396	39,290	-0.10%	78.0%	55,128	38,413	-0.45%	-0.21%	69.7%
	Pontevedra	33,258	23,607	71.0%	40,036	23,078	-0.23%	57.6%	42,443	23,743	0.57%	0.04%	55.9%
	Pulupandan	24,824	0	0.0%	22,977	8,678	-	37.8%	24,932	9,525	1.88%	-	38.2%
	Sagay	99,118	55,456	55.9%	112,649	63,969	1.44%	56.8%	128,374	82,171	5.14%	2.66%	64.0%
	S. Benedicto	0	0	-	13,331	9,708	-	72.8%	17,635	17,635	12.68%	-	100.0%
	San Carlos	91,627	69,128	75.4%	105,649	67,290	-0.27%	63.7%	101,429	73,850	1.88%	0.44%	72.8%
	San Enrique	14,662	9,775	66.7%	19,237	10,091	0.32%	52.5%	20,649	11,247	2.19%	0.94%	54.5%
	Silay City	111,131	73,958	66.6%	100,944	59,175	-2.21%	58.6%	122,748	67,851	2.77%	-0.57%	55.3%
	Sipalay	51,264	34,213	66.7%	61,828	28,842	-1.69%	46.6%	63,960	42,965	8.30%	1.53%	67.2%
	Talisay	53,624	27,161	50.7%	63,232	14,491	-6.09%	22.9%	68,401	36,916	20.57%	2.07%	54.0%
	Toboso	36,415	26,172	71.9%	34,611	24,951	-0.48%	72.1%	38,623	31,845	5.00%	1.32%	82.5%
	Valladolid	21,728	17,357	79.9%	29,712	23,700	3.16%	79.8%	31,380	11,106	-14.07%	-2.93%	35.4%
	Victorias	55,959	30,967	55.3%	69,828	24,759	-2.21%	35.5%	78,283	22,182	-2.17%	-2.20%	28.3%
	Study Area	1,668,01	1,220,68	73.2%	1,890,34	1,224,86	0.03%	64.8%	2,031,84	1,311,21	1.37%	0.48%	64.5%

However, for the municipalities of Pulunpandan and Toboso, the present share of urban population to total population was applied to avoid negative population growth. Likewise, the same modification was made for the following municipalities having considerably higher growth rates (more than 5%) of urban population between 1980 and 1995:

- Calatrava, Canayan, E.B. Magalona, Himamaylan, Hinobaan, Ilog, Kabankalan, Moises Padilla, Valladolid and Victorias.

Under the above assumptions, provincial average share of urban population for the year 2010 arrived at 36.8%, slightly higher than the figure (35.2%) in 1995. Table 8.3.6 presents projected urban and rural population. The growth rates and shares on rural population are calculated using estimated rural population.

Table 8.3.6 Population Projection by Urban and Rural Area:1998, 2005 and 2010

Table 6.3.3 Population Projection by Urban and Rural Area: 1998, 2005 and 2010										
Municipality		1998		2005			2010			
		Total	Urban/ Rural	Total	Urban/ Rural	Share (%)	Total	Urban/ Rural	G.R. (%)	Share (%)
Urban Area	Bago City	139,242	31,401	155,141	34,936	22.6%	168,773	35,810	0.47%	21.2%
	Binalbagan	56,663	25,124	60,970	27,034	44.3%	62,398	28,097	0.77%	45.0%
	Cadiz City	130,564	35,329	140,528	38,026	27.1%	140,528	42,042	2.03%	29.9%
	Calatrava	71,027	12,655	72,949	12,381	17.0%	76,757	13,027	1.02%	17.0%
	Candoni	17,381	2,806	18,103	2,922	16.1%	20,822	2,938	0.11%	14.1%
	Cauayan	86,591	22,680	91,571	23,984	26.2%	96,355	25,237	1.02%	26.2%
	E. B. Magalona	58,391	30,366	68,096	35,413	52.0%	72,116	37,503	1.15%	52.0%
	Escalante	85,091	37,146	97,440	42,537	43.7%	100,202	51,519	3.91%	51.4%
	Himamaylan	85,192	32,115	88,913	33,518	37.7%	93,027	35,069	0.91%	37.7%
	Hinigaran	73,672	13,109	78,123	13,901	17.8%	84,534	14,587	0.97%	17.3%
	Hinobaan	41,075	16,355	41,240	16,421	39.8%	41,240	16,421	0.00%	39.8%
	Ilog	43,905	27,123	43,905	27,123	61.8%	45,218	27,934	0.59%	61.8%
	Isabela	50,559	11,140	53,773	11,848	22.0%	57,089	12,356	0.84%	21.6%
	Kabankalan	148,125	50,036	169,213	57,160	33.8%	192,212	64,929	2.58%	33.8%
	La Carlota	56,804	22,873	57,119	23,000	40.3%	60,589	23,631	0.54%	39.0%
	La Castellana	63,427	21,730	72,515	24,844	34.3%	78,899	29,350	3.39%	37.2%
	Manapla	47,296	9,572	54,518	11,034	20.2%	55,581	11,549	0.92%	20.8%
	Moises Padilla	31,899	10,820	32,869	11,149	33.9%	36,111	12,249	1.90%	33.9%
	Murcia	58,503	17,738	66,498	20,162	30.3%	70,332	29,212	7.70%	41.5%
	Pontevedra	44,201	19,475	48,084	21,185	44.1%	51,616	26,411	4.51%	51.2%
	Pulupandan	26,330	16,271	29,591	18,286	61.8%	29,591	18,286	0.00%	61.8%
	Sagay	139,619	50,250	168,057	60,485	36.0%	181,293	61,637	0.38%	34.0%
	S. Benedicto	18,587	0	20,794	0	0.0%	22,576	0	0.00%	0.0%
	San Carlos	106,447	28,943	117,892	32,055	27.2%	120,692	34,306	1.37%	28.4%
	San Enrique	21,666	9,865	23,983	10,920	45.5%	26,604	13,582	4.46%	51.1%
	Silay City	129,377	57,862	144,736	64,731	44.7%	148,065	73,714	2.63%	49.8%
	Sipalay	65,639	21,546	68,998	22,649	32.8%	73,511	24,275	1.40%	33.0%
	Talisay	72,103	33,189	80,685	37,139	46.0%	86,599	39,354	1.17%	45.4%
	Toboso	41,480	7,279	48,483	8,508	17.5%	48,932	8,587	0.18%	17.5%
	Valladolid	32,666	21,066	35,284	22,796	64.6%	39,470	25,501	2.27%	64.6%
	Victorias	84,308	60,419	99,180	71,077	71.7%	109,775	78,670	2.05%	71.7%
	Study Area	2,127,767	755,684	2,349,253	837,276	35.6%	2,491,509	917,784	1.85%	36.8%
Rural Area	Bago City	139,242	107,841	155,141	120,154	77.4%	168,773	132,963	2.05%	78.8%
	Binalbagan	56,663	31,539	60,970	33,936	55.7%	62,398	34,301	0.21%	55.0%
	Cadiz City	130,564	95,235	140,528	102,503	72.9%	140,528	98,486	-0.80%	70.1%
	Calatrava	71,027	58,972	72,949	60,568	83.0%	76,757	63,730	1.02%	83.0%
	Candoni	17,381	14,575	18,103	15,181	83.9%	20,822	17,884	3.33%	85.9%
	Cauayan	86,591	63,911	91,571	67,587	73.8%	96,355	71,117	1.02%	73.8%
	E. B. Magalona	58,391	28,025	68,096	32,684	48.0%	72,116	34,613	1.15%	48.0%
	Escalante	85,091	47,945	97,440	54,903	56.3%	100,202	48,684	-2.38%	48.6%
	Himamaylan	85,192	53,076	88,913	55,395	62.3%	93,027	57,958	0.91%	62.3%
	Hinigaran	73,672	60,563	78,123	64,222	82.2%	84,534	69,947	1.72%	82.7%
	Hinobaan	41,075	24,720	41,240	24,820	60.2%	41,240	24,820	0.00%	60.2%
	Ilog	43,905	16,782	43,905	16,782	38.2%	45,218	17,284	0.59%	38.2%
	Isabela	50,559	39,419	53,773	41,924	78.0%	57,089	44,734	1.31%	78.4%
	Kabankalan	148,125	98,089	169,213	112,054	66.2%	192,212	127,283	2.58%	66.2%
	La Carlota	56,804	33,931	57,119	34,119	59.7%	60,589	36,958	1.61%	61.0%
	La Castellana	63,427	41,697	72,515	47,671	65.7%	78,899	49,549	0.78%	62.8%
	Manapla	47,296	37,724	54,518	43,484	79.8%	55,581	44,032	0.25%	79.2%
	Moises Padilla	31,899	21,079	32,869	21,720	66.1%	36,111	23,862	1.90%	66.1%
	Murcia	58,503	40,764	66,498	46,335	69.7%	70,332	41,120	-2.36%	58.5%
	Pontevedra	44,201	24,727	48,084	26,898	55.9%	51,616	25,205	-4.29%	48.8%
	Pulupandan	26,330	10,059	29,591	11,305	38.2%	29,591	11,305	0.00%	38.2%
	Sagay	139,619	89,369	168,057	107,572	64.0%	181,293	119,656	2.15%	66.0%
	S. Benedicto	18,587	18,587	20,794	20,794	100.0%	22,576	22,576	1.66%	100.0%
	San Carlos City	106,447	77,503	117,892	85,837	72.8%	120,692	86,386	0.13%	71.6%
	San Enrique	21,666	11,801	23,983	13,063	54.5%	26,604	13,033	-0.06%	48.9%
	Silay City	129,377	71,515	144,736	80,005	55.3%	148,065	74,351	-1.46%	50.2%
	Sipalay	65,639	44,093	68,998	46,349	67.2%	73,511	49,235	1.22%	67.0%
	Talisay	72,103	38,914	80,685	43,546	54.0%	86,599	47,244	1.64%	54.6%
	Toboso	41,480	34,201	48,483	39,975	82.5%	48,932	40,345	0.18%	82.5%
	Valladolid	32,666	11,540	35,284	12,488	35.4%	39,470	13,969	2.27%	35.4%
	Victorias	84,308	23,889	99,180	28,103	28.3%	109,775	31,106	2.05%	28.3%
	Study Area	2,127,767	1,372,083	2,349,253	1,511,977	64.4%	2,491,509	1,573,725	0.80%	63.1%

Table 8.3.9 Projected Number of Households by Urban and Rural Area by Municipality by Target Year

Name of Municipality/City	Household Size			Number of Households											
	1995			1995			1998			2005			2010		
	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
Bago City	5.22	5.24	5.24	5.719	19,560	25,279	6,016	20,580	26,596	6,702	22,930	29,632	8,953	33,241	42,194
Binalbagan	5.31	5.33	5.32	4,567	5,710	10,277	4,731	5,917	10,648	5,091	6,367	11,458	7,024	8,575	15,599
Cadiz City	5.00	5.22	5.16	6,820	17,587	24,407	7,066	18,244	25,310	7,605	19,636	27,241	10,511	24,622	35,133
Calatrava	4.81	4.96	4.93	2,465	11,711	14,176	2,506	11,890	14,396	2,574	12,211	14,785	3,257	15,933	19,190
Candoni	5.28	5.39	5.37	520	2,644	3,164	531	2,704	3,235	553	2,817	3,370	735	4,471	5,206
Cauayan	5.28	5.41	5.37	4,174	11,490	15,664	4,295	11,813	16,108	4,542	12,493	17,035	6,309	17,780	24,089
Enrique B. Magalona	5.25	5.55	5.39	5,389	4,709	10,098	5,784	5,050	10,834	6,745	5,889	12,634	9,376	8,653	18,029
Escalante	5.13	5.11	5.12	6,800	8,816	15,616	7,241	9,383	16,624	8,292	10,744	19,036	12,880	12,171	25,051
Himamaylan	5.30	5.50	5.40	5,707	9,425	15,132	5,839	9,650	15,489	6,094	10,072	16,166	8,767	14,490	23,257
Hinigaran	5.32	5.40	5.42	2,307	10,894	13,201	2,375	11,215	13,590	2,518	11,893	14,411	3,647	17,487	21,134
Hinobanan (Asia)	5.20	5.34	5.28	3,123	4,601	7,724	3,145	4,629	7,774	3,158	4,648	7,806	4,105	6,205	10,310
Ilog	5.26	5.20	5.23	5,161	3,226	8,387	5,156	3,227	8,383	5,156	3,227	8,383	6,984	4,321	11,305
Isabela	5.08	5.27	5.23	2,127	7,252	9,379	2,193	7,480	9,673	2,332	7,955	10,287	3,089	11,183	14,272
Kabankalan City	5.51	5.56	5.54	8,543	16,577	25,120	9,081	17,642	26,723	10,374	20,153	30,527	16,232	31,821	48,053
La Carlota City	5.39	5.32	5.35	4,218	6,336	10,554	4,244	6,378	10,622	4,267	6,413	10,680	5,908	9,240	15,148
La Castellana	5.26	5.11	5.16	3,881	7,663	11,544	4,131	8,160	12,291	4,723	9,329	14,052	7,338	12,387	19,725
Manapla	5.26	5.40	5.37	1,703	6,545	8,248	1,820	6,986	8,806	2,098	8,053	10,151	2,887	11,008	13,895
Moises Padilla	5.05	5.22	5.16	2,105	3,966	6,071	2,143	4,038	6,181	2,208	4,161	6,369	3,062	5,966	9,028
Murcia	5.11	5.24	5.20	3,268	7,334	10,602	3,471	7,780	11,251	3,946	8,843	12,789	7,303	10,280	17,583
Pontevedra	5.09	5.24	5.17	3,673	4,533	8,206	3,826	4,719	8,545	4,162	5,133	9,295	6,603	6,501	12,904
Pulupandan	5.20	5.05	5.14	2,965	1,886	4,851	3,129	1,992	5,121	3,517	2,239	5,756	4,572	2,826	7,398
Sagay City	5.29	5.09	5.16	8,738	16,146	24,884	9,499	17,558	27,057	11,434	21,134	32,568	15,409	29,914	45,323
Salvador Benedicto	5.24	5.24	5.24		3,367	3,367		3,547	3,547		3,968	3,968		5,644	5,644
San Carlos City	5.08	4.93	4.97	5,425	14,965	20,390	5,697	15,721	21,418	6,310	17,411	23,721	8,577	21,597	30,174
San Enrique	5.20	5.32	5.26	1,808	2,114	3,922	1,897	2,218	4,115	2,100	2,455	4,555	3,396	3,256	6,652
Silay City	5.39	5.25	5.31	10,192	12,913	23,105	10,735	13,622	24,357	12,009	15,239	27,248	18,429	18,588	37,017
Sipalay	5.21	5.29	5.26	4,030	8,129	12,159	4,136	8,335	12,471	4,347	8,762	13,109	6,069	12,309	18,378
Talisay City	5.10	5.16	5.13	6,174	7,158	13,332	6,508	7,541	14,049	7,282	8,439	15,721	9,839	11,811	21,650
Toboso	5.05	5.28	5.24	1,342	6,029	7,371	1,441	6,477	7,918	1,685	7,571	9,256	2,147	10,086	12,233
Valladolid	5.06	5.15	5.09	4,008	2,156	6,164	4,163	2,241	6,404	4,505	2,425	6,930	6,375	3,492	9,867
Victorias City	5.24	5.36	5.28	10,701	4,139	14,840	11,530	4,457	15,987	13,564	5,243	18,807	19,668	7,776	27,444
Provincial Total	5.24	5.25	5.25	137,653	249,581	387,234	144,329	261,194	405,523	159,893	287,853	447,746	229,451	393,434	622,885

8.3.2 School Enrollment Projection

Table 8.3.10 Projected School Enrollment by Municipality by Target Year

Name of Municipality/City	1998			2005			2010		
	School Age Population	Total Enrollment		School Age Population	Total Enrollment		School Age Population	Total Enrollment	
		Number	Participation Rate		Number	Participation Rate		Number	Participation Rate
Bago City	37,397	33,568	90	32,768	39,584	95	45,328	44,421	98
Binalbagan	15,724	16,126	103	13,743	16,073	95	17,315	16,969	98
Cadiz City	36,118	31,972	89	30,176	33,043	92	38,872	36,930	95
Calatrava	20,225	16,888	84	16,888	16,618	80	21,856	19,670	90
Candoni	5,133	5,588	109	5,344	5,346	100	6,149	5,842	95
Cauayan	25,469	21,837	86	20,387	24,241	90	28,341	26,924	95
Enrique B. Magalona	15,445	13,172	85	12,481	10,807	60	19,075	12,399	65
Escalante	23,369	19,805	85	19,209	29,436	110	27,519	27,519	100
Himamaylan	24,705	23,001	93	21,392	24,495	95	26,977	26,437	98
Limigaran	20,246	18,976	94	16,694	20,396	95	23,231	22,766	98
Hinoba-an (Asia)	12,159	12,637	104	11,666	12,208	100	12,208	11,598	95
Ilog	12,543	12,293	98	10,249	12,292	98	12,918	12,660	98
Isabela	14,374	12,466	87	11,729	13,759	90	16,231	15,419	95
Kabankalan City	42,646	37,676	88	33,994	46,281	95	55,338	54,231	98
La Carlota City	14,941	15,730	105	15,075	15,024	100	15,937	15,937	100
La Castellana	17,967	15,827	88	15,170	18,487	90	22,349	21,232	95
Manapla	12,468	10,220	82	9,889	12,216	85	14,652	13,187	90
Moises Padilla	9,215	7,829	85	7,058	4,748	50	10,432	5,738	55
Murcia	16,557	14,587	88	13,542	22,584	120	19,905	19,905	100
Pontevedra	12,020	10,775	90	10,354	12,422	95	14,036	13,755	98
Pulupandan	6,598	5,433	82	4,956	6,303	85	7,415	6,674	90
Sagay City	38,869	28,705	74	27,980	37,429	80	50,471	42,900	85
Salvador Benedicto	5,559	3,707	67	3,707	4,042	65	6,752	4,726	70
San Carlos City	28,976	27,503	95	24,352	30,486	95	32,855	32,196	98
San Enrique	5,626	4,668	83	4,237	5,917	95	6,909	6,218	90
Silay City	32,741	23,376	71	22,627	27,471	75	37,470	29,976	80
Sinalay	19,531	17,098	88	15,405	18,477	90	21,873	20,779	95
Talisay City	18,534	16,158	87	15,535	18,666	90	22,260	21,147	95
Toboso	11,616	10,530	91	10,158	12,898	95	13,703	13,429	98
Valladolid	8,665	6,985	81	6,241	7,970	85	10,489	9,440	90
Victorias City	22,203	21,793	98	19,695	24,814	95	28,910	28,332	98
Provincial Total	587,639	516,929	88	482,701	587,254	91	687,776	639,356	93

8.3.3 Projection of the Number of Public Utilities

Table 8.3.11 Projected Number of Public Utilities by Municipality by Target Year

Name of Municipality/City	Type	1998	2005		2010	
		No. of Public Utilities	Proposed Construction	Total	Proposed Construction	Total
Bago City	Public Market	6	1	7		7
	Bus/Jeepney Terminal	4		4	1	5
	Parks/Playground	11	1	12		12
	Total	21	2	23	1	24
Binalbagan	Public Market	5	1	6		6
	Bus/Jeepney Terminal	1	1	2		2
	Parks/Playground	1		1	1	2
	Total	7	2	9	1	10
Cadiz City	Public Market	6		6		6
	Bus/Jeepney Terminal	3		3	1	4
	Parks/Playground	3		3	1	4
	Total	12		12	2	14
Calatrava	Public Market	4		4		4
	Bus/Jeepney Terminal		1	1		1
	Parks/Playground	5		5	1	6
	Total	9	1	10	1	11
Candoni	Public Market	1		1	1	2
	Bus/Jeepney Terminal	1		1	1	2
	Parks/Playground	1		1		1
	Total	3		3	2	5
Cauayan	Public Market	3	1	4		4
	Bus/Jeepney Terminal				1	1
	Parks/Playground	1		1	1	2
	Total	4	1	5	2	7
Enrique B. Magalona	Public Market	1		1		1
	Bus/Jeepney Terminal		1	1		1
	Parks/Playground	1		1		1
	Total	2	1	3		3
Escalante	Public Market	2		2	1	3
	Bus/Jeepney Terminal		1	1		1
	Parks/Playground	3	1	4		4
	Total	5	2	7	1	8
Himamaylan	Public Market	3	1	4		4
	Bus/Jeepney Terminal		1	1		1
	Parks/Playground	6		6		6
	Total	9	2	11		11
Hinigaran	Public Market	1	1	2		2
	Bus/Jeepney Terminal		1	1		1
	Parks/Playground	1		1	1	2
	Total	2	2	4	1	5
Hinoba-an (Asia)	Public Market	2		2		2
	Bus/Jeepney Terminal	1	1	2		2
	Parks/Playground	1		1	1	2
	Total	4	1	5	1	6
Ilog	Public Market	3		3	1	4
	Bus/Jeepney Terminal		1	1		1
	Parks/Playground	1		1	1	2
	Total	4	1	5	2	7
Isabela	Public Market	1		1	1	2
	Bus/Jeepney Terminal	1		1		1
	Parks/Playground	1		1	1	2
	Total	3		3	2	5
Kabankalan City	Public Market	14		14		14
	Bus/Jeepney Terminal	4		4	2	6
	Parks/Playground	1	1	2		2
	Total	19	1	20	2	22
La Carlota City	Public Market	4		4		4
	Bus/Jeepney Terminal	4		4		4
	Parks/Playground	1		1	1	2
	Total	9		9	1	10
La Castellana	Public Market	6		6		6
	Bus/Jeepney Terminal	2		2	1	3
	Parks/Playground	1		1	1	2
	Total	9		9	2	11

Table 8.3.11 Projected Number of Public Utilities by Municipality by Target Year (Cont'd)

Name of Municipality/City	Type	1998	2005		2010	
		No. of Public Utilities	Proposed Construction	Total	Proposed Construction	Total
Manapla	Public Market	2		2		2
	Bus/JEEPNEY Terminal		1	1		1
	Parks/Playground	1		1	1	2
	Total	3	1	4	1	5
Moises Padilla	Public Market	1		1	1	2
	Bus/JEEPNEY Terminal				1	1
	Parks/Playground	3		3	1	4
	Total	4		4	3	7
Murcia	Public Market	2		2	1	3
	Bus/JEEPNEY Terminal	1	1	2		2
	Parks/Playground	4		4	1	5
	Total	7	1	8	2	10
Pontevedra	Public Market	1		1	1	2
	Bus/JEEPNEY Terminal				1	1
	Parks/Playground	2		2	1	3
	Total	3		3	3	6
Pulupandan	Public Market	4		4		4
	Bus/JEEPNEY Terminal	1		1	1	2
	Parks/Playground	4		4	1	5
	Total	9		9	2	11
Sagay City	Public Market	10		10		10
	Bus/JEEPNEY Terminal	1		1	1	2
	Parks/Playground	5		5	1	6
	Total	16		16	2	18
Salvador Benedicto	Public Market	1		1	1	2
	Bus/JEEPNEY Terminal				1	1
	Parks/Playground		1	1		1
	Total	1	1	2	2	4
San Carlos City	Public Market	9		9	1	10
	Bus/JEEPNEY Terminal	3	1	4		4
	Parks/Playground	5		5	1	6
	Total	17	1	18	2	20
San Enrique	Public Market	1		1		1
	Bus/JEEPNEY Terminal				1	1
	Parks/Playground	1		1		1
	Total	2		2	1	3
Silay City	Public Market	2		2	1	3
	Bus/JEEPNEY Terminal	1	1	2		2
	Parks/Playground	1	1	2	1	3
	Total	4	2	6	2	8
Sipalay	Public Market	3		3	1	4
	Bus/JEEPNEY Terminal	2		2	1	3
	Parks/Playground	1		1	1	2
	Total	6		6	3	9
Talisay City	Public Market	1	1	2		2
	Bus/JEEPNEY Terminal		1	1		1
	Parks/Playground	1		1		1
	Total	2	2	4		4
Toboso	Public Market	2		2		2
	Bus/JEEPNEY Terminal					
	Parks/Playground	2	1	3		3
	Total	4	1	5		5
Valladolid	Public Market	4		4		4
	Bus/JEEPNEY Terminal		1	1		1
	Parks/Playground	2		2		2
	Total	6	1	7		7
Victorias City	Public Market	4		4	1	5
	Bus/JEEPNEY Terminal	3		3	1	4
	Parks/Playground	3		3	1	4
	Total	10		10	3	13
Provincial Total	Public Market	109	6	115	12	127
	Bus/JEEPNEY Terminal	33	14	47	15	62
	Parks/Playground	74	6	80	20	100
	Total	216	26	242	47	289

8.4 Types of Facilities and Implementation Criteria

8.4.1 Water Supply

(1) Urban water supply

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

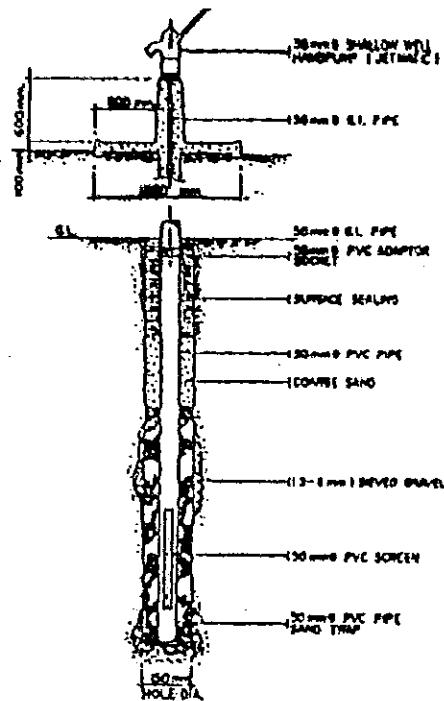
Table 8.4.1 Existing Condition and Future Requirements of Urban Water Supply by Municipality

Name of Municipality	Existing Condition (1998)										Phase I (2005)						Phase II (2010)					
	Urban Population (1998)	Level III System and Others			Total Pop. Served (%)	Type	Production (m3/d)	Urban Population (2005)	Pop. Served by Level III and Others			Total Water Source Required (m3/d)	Urban Population (2010)	Pop. Served by Level-III			Total Water Source Required (m3/d)	Newly Developed/Additional Water Source	Newly Developed/Additional Water Source Required (m3/d)			
		No. of Level-III and Operating	Pop. Served by Level-III	% Served by Level-III					Additional Pop. Served by Level-III	Total Pop. Served by Level-III	% Served by Level-III			Additional Pop. Served by Level-III	Total Pop. Served by Level-III	% Served by Level-III						
Bago City	31,401 (IWD)	16,988	5,724	18%	DW/SP	1,160	34,986	5,000	10,724	31%	None	27,712	79%	35,810	23,296	34,020	95%	3,100	4,500			
Binalbagan	25,124 (IWD)	13,577	7,680	31%	DW	1,860	27,034	3,864	11,544	43%	None	25,121	91%	28,097	13,148	26,692	95%	2,000	3,600			
Cadiz City	35,329 (IWD)	1,000	32,767	93%	DW/SP	1,620	38,026	12,767	32,767	86%	None	34,667	91%	42,042	21,713	39,940	95%	900	5,500			
Calatagan	12,055 (IWD)	578	10,847	90%	SP	4,900	12,381	418	10,269	83%	None	10,847	88%	13,027	2,107	12,376	95%	300	1,200			
Candon	2,806	60%	1,693	60%	SP	2,922	2,922	418	2,111	14%	None	2,111	72%	2,938	2,791	2,938	95%	400	500			
Cauayan	22,680	12,718	12,718	56%			21,984	3,428	3,428	14%	None	16,146	67%	25,237	20,547	23,975	95%	2,700	3,500			
Enrique B. Magalona	30,366 (I/Mun)	20,315	3,500	12%	DW	1,260	35,413	5,061	8,561	24%	None	28,876	82%	37,503	27,067	35,628	95%	3,500	4,700			
Escalante	37,146 (IWD/As)	28,808	5,523	15%	DW/SP	1,400	42,537	6,080	11,603	27%	None	40,411	95%	51,519	37,340	48,943	95%	4,900	6,500			
Humaminan	32,115 (IWD)	23,470	4,986	16%	DW	2,400	33,470	1,987	4,986	15%	None	28,456	85%	35,069	28,330	33,316	95%	3,700	4,600			
Hungarian	13,109 (IWD)	6,222	7,670	59%	DW	1,020	13,901	1,987	2,935	21%	None	9,657	69%	14,267	10,923	13,858	95%	1,500	1,900			
Hinob-an (Asia)	16,355	11,135	11,135	68%		10,000	16,421	2,347	2,347	14%	None	13,482	82%	16,421	13,253	15,600	95%	1,800	2,500			
Ilog	27,123 (IWD)	17,295	1,200	4%	SP	140	27,123	3,877	5,077	19%	None	22,372	82%	27,934	21,460	26,537	95%	2,800	3,500			
Isabela	11,140	7,020	7,020	63%			11,848	1,693	1,693	14%	None	8,713	74%	12,356	10,045	11,738	95%	1,400	1,700			
Kubukayan City	50,036 (IWD)	32,260	180	0%	DW/SP	3,600	57,160	8,170	8,350	15%	None	40,610	71%	64,929	53,333	61,683	95%	7,000	8,100			
La Carlota City	22,823 (IWD)	5,120	16,620	73%	DW/SP	9,200	23,000	3,551	6,509	28%	None	17,986	72%	29,350	21,374	27,893	95%	2,800	3,700			
La Castellana	21,730 (IWD)	11,477	2,958	14%	SP	1,080	24,844	3,551	6,509	26%	None	17,986	72%	29,350	21,374	27,893	95%	2,800	3,700			
Manapla	9,572 (IWD)	4,557	4,278	45%	DW	400	11,034	1,577	3,855	35%	None	10,412	88%	11,549	5,117	10,972	95%	700	1,500			
Moises Padilla	10,820 (I/Mun)	7,044	2,445	23%	SP	400	11,149	2,445	2,445	22%	None	9,489	83%	12,240	9,192	11,637	95%	1,200	1,600			
Murcia	17,738 (I/Mun)	8,951	6,982	39%	DW/SP	400	20,162	2,882	9,864	49%	None	18,815	93%	29,212	17,887	27,751	95%	2,300	3,600			
Pontevedra	19,475 (IWD)	9,272	7,637	40%	SP	n.a.	21,185	3,028	10,805	51%	None	20,137	95%	26,411	14,225	25,090	95%	1,900	2,400			
Pulupandan	16,271 (I/Mun)	12,068	1,284	8%	SP	2,140	18,286	2,614	3,898	21%	None	15,986	87%	18,286	13,474	17,372	95%	1,800	2,400			
Sagay City	50,250 (IWD)	26,112	13,020	26%	DW/SP	1,110	60,485	8,645	21,675	36%	None	47,287	79%	61,637	36,880	58,555	95%	4,500	7,700			
Salvador																						
Bondadero	28,943 (I/Mun)	11,637	13,585	47%	DW/SP	3,200	32,035	4,382	18,167	57%	None	30,004	94%	34,306	14,424	32,591	95%	1,900	4,500			
San Carlos City	9,865	7,340	7,340	74%			10,920	1,561	1,561	14%	None	3,901	82%	13,362	11,342	12,903	95%	1,500	1,800			
San Enrique	57,862 (IWD)	34,910	14,445	25%	DW	3,040	64,731	9,252	23,697	37%	None	58,607	91%	73,714	46,331	70,028	95%	6,000	9,100			
Silay City	21,546 (I/Mun)	16,236	1,410	7%	DW	1,080	22,649	3,237	4,647	21%	None	20,883	92%	24,275	18,414	23,061	95%	2,400	3,100			
Stipalay	33,189 (IWD)	22,748	8,220	25%	DW	2,170	37,139	5,308	13,528	36%	None	36,276	98%	39,354	23,858	37,386	95%	3,100	4,900			
Talisay City	33,189 (IWD)	22,748	8,220	25%	DW	2,170	37,139	5,308	13,528	36%	None	36,276	98%	39,354	23,858	37,386	95%	3,100	4,900			
Trebores	2,279 (I/Mun)	994	994	13%	SP	2,532	3,486	1,216	2,170	26%	None	4,702	55%	8,587	5,988	8,158	95%	800	1,100			
Valadolid	21,066 (IWD)	17,937	1,610	8%	DW	n.a.	22,796	1,216	1,610	7%	None	19,547	80%	25,501	22,616	24,226	95%	3,000	3,500			
Victorias City	60,419 (IWD)	36,664	14,400	24%	DW	3,760	71,077	10,159	24,559	35%	None	61,221	86%	78,670	50,178	74,737	95%	6,600	9,800			
Provincial Total	755,683	429,313	182,815	24%		57,930	837,274	99,537	282,372	34%		711,685	85%	917,793	589,522	871,894	95%	77,600	116,000			

(Note) WD: Water District, Prov: Province, Mun: Municipality, As: Association

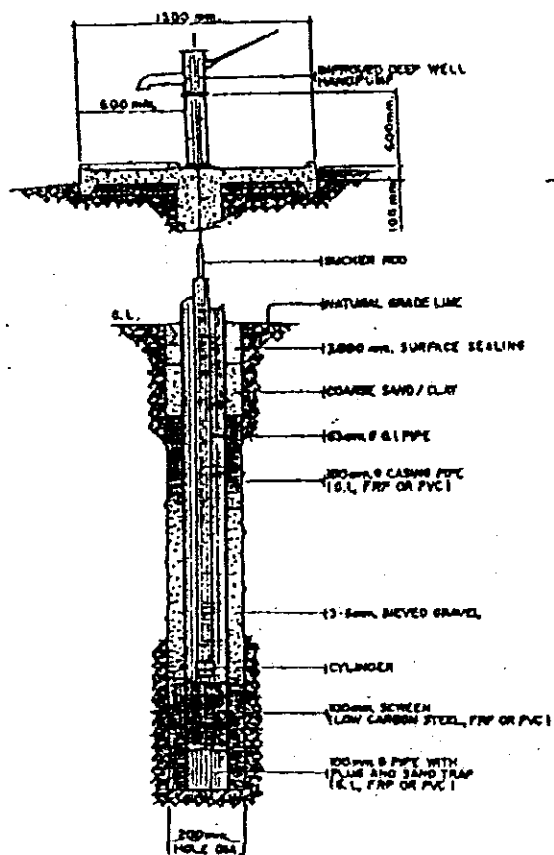
Unit: consumption 100 gpd

Additional population served in 2010 includes the served population that will be absorbed by Level III system

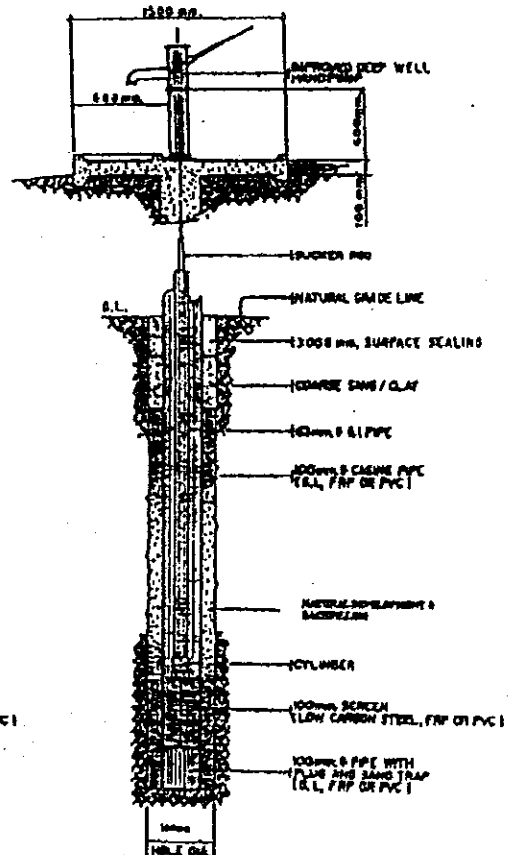


OPEN HOLE DRILLING & GRAVEL PACK METHOD

SHALLOW WELLS



OPEN HOLE DRILLING & GRAVEL PACK METHOD



OPEN HOLE DRILLING & NATURAL GRAVEL PACK METHOD

DEEP WELLS

FIGURE 8.4.1

TYPICAL STRUCTURE OF LEVEL I WELL FACILITY

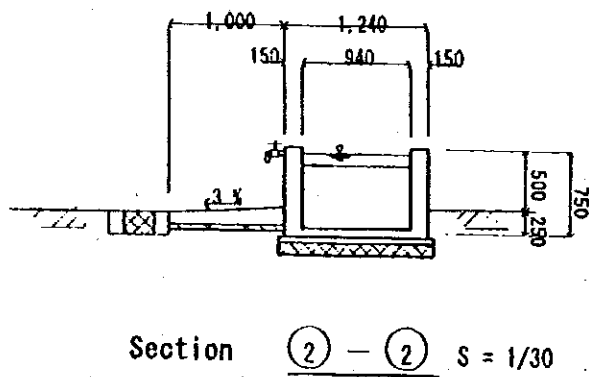
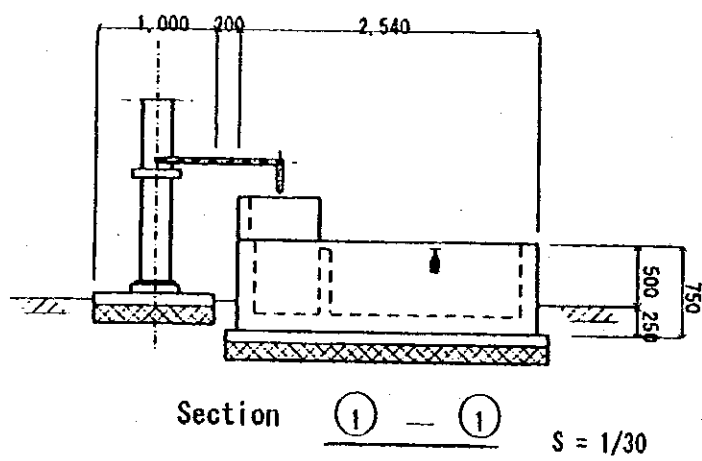
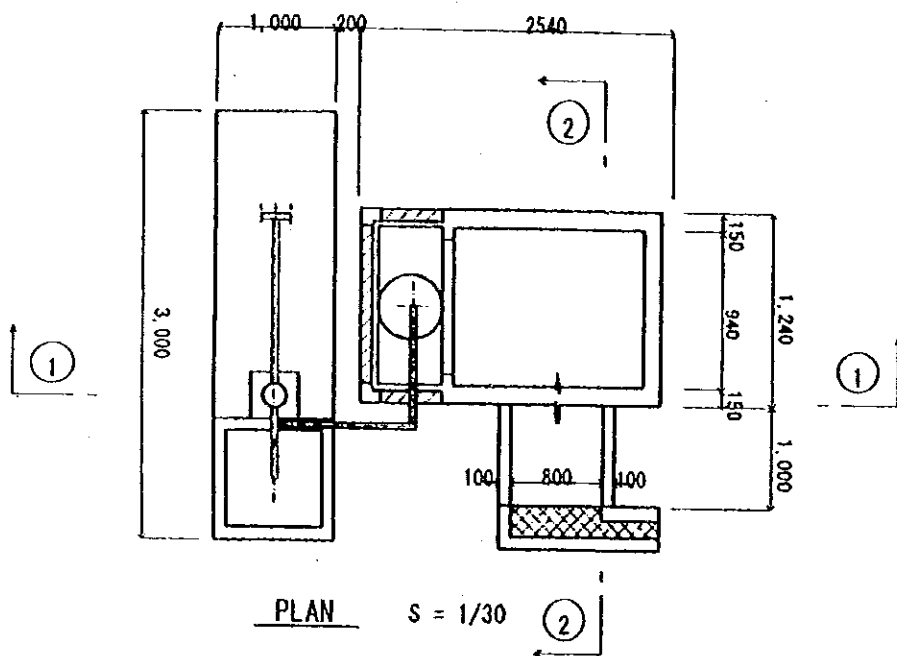
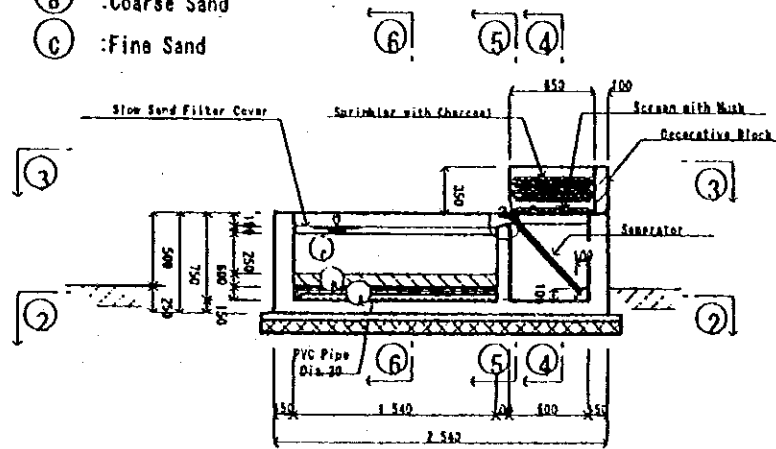
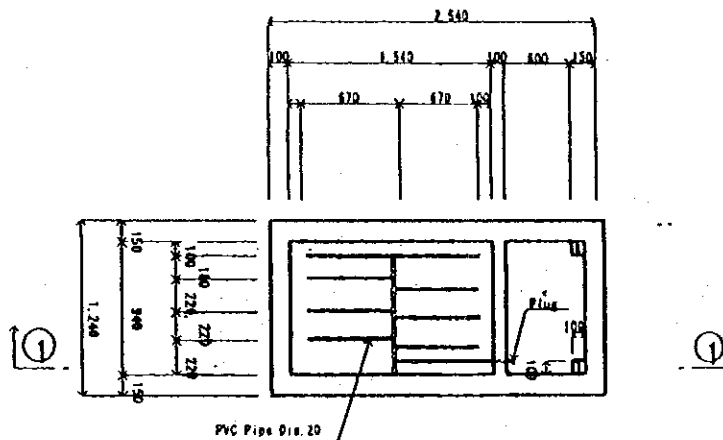


Figure 8.4.2(a) Iron Removal Facility.

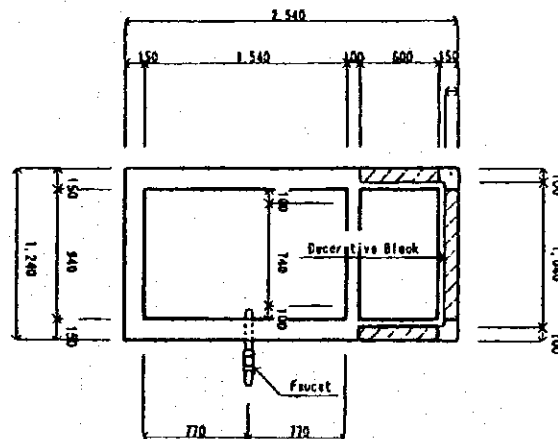
- (A) :Pebble
- (B) :Coarse Sand
- (C) :Fine Sand



Section ① - ① $S = 1/20$



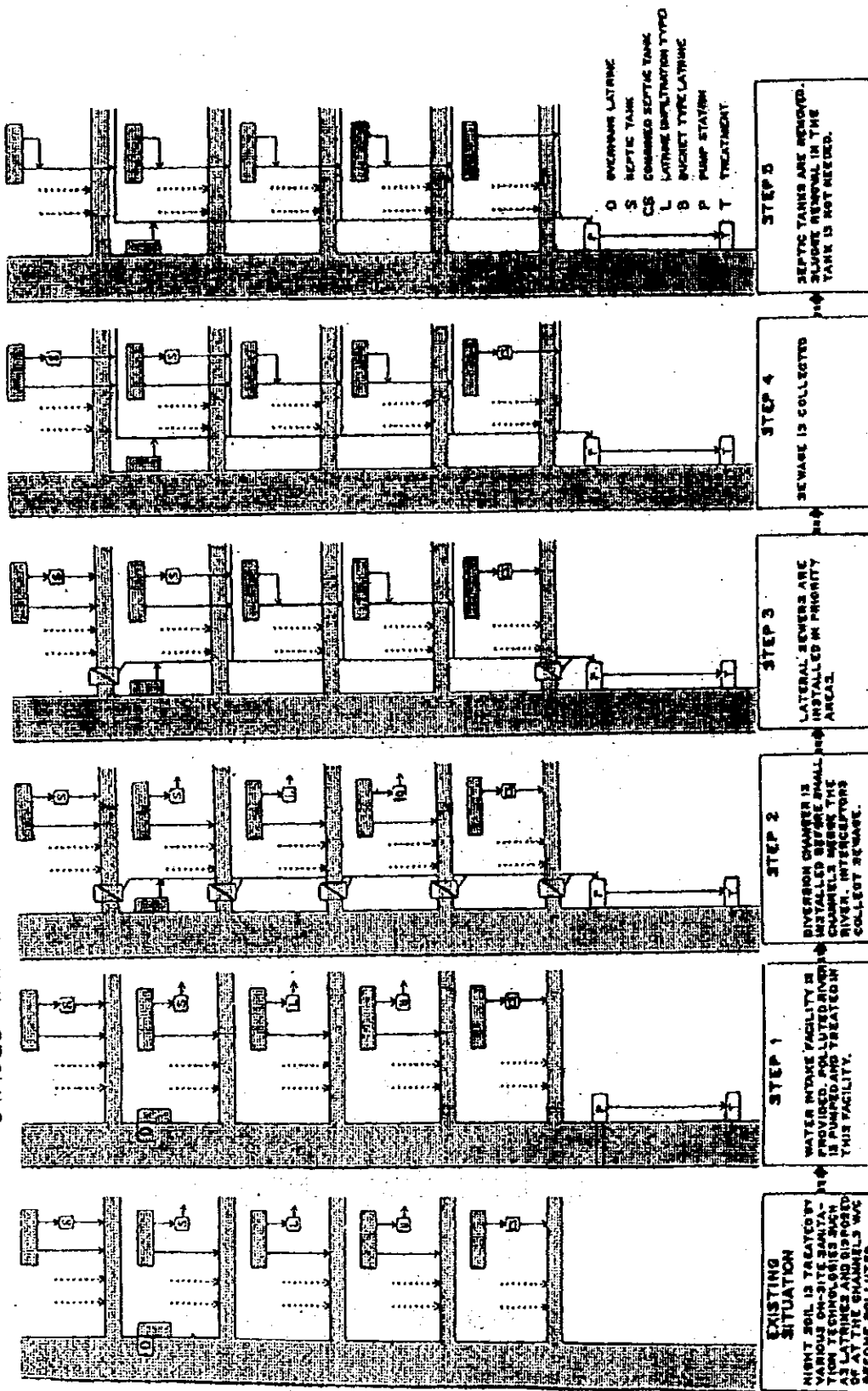
Section ② - ② $S = 1/20$



Section ③ - ③ $S = 1/20$

Figure 8.4.2(b) Iron Removal Facility

Figure 8.4.3 STAGED IMPROVEMENT IN SEWAGE COLLECTION METHOD



8.5 Service Coverage by Target Year

8.5.1 Water Supply

(1) Population to be served by Level II system in Phase I

sixteen (16) untapped spring sources out of total 25 were confirmed to be suitable for Level II systems in rural water supply by the time of PW4SP preparation as shown in Table 8.5.1. Conditions and assumptions applied for this estimate are as follows:

Source capacity:

The average source capacity of untapped spring was assumed to meet the need of 100 households based on the review of existing Level II systems with spring sources.

Number of system:

Sixteen (16) out of total 25 untapped springs identified during the course of RW4SP preparation were considered to serve sixteen (16) Level II systems in sixteen (16) rural barangays of 4 municipalities/cities.

Table 8.5.1 Population to be Served by Level II System in Phase

Name of Municipality	Number of Untapped Spring	Number of Barangay to be Served	Number of Households to be Served	Population to be Served
Bago City	3	3	300	1,572
Binalbagan				
Cadiz City	4			
Calatrava	5			
Candoni				
Cauayan	4	4	400	2,164
Enrique B. Magalona				
Escalante				
Himamaylan				
Hinigaran				
Hinoba-an (Asia)				
Ilog				
Isabela				
Kabankalan City				
La Carlota City				
La Castellana				
Manapla	2	2	200	1,080
Moises Padilla				
Murcia				
Pontevedra				
Pulupandan				
Sagay City	7	7	700	3,563
Salvador Benedicto				
San Carlos City				
San Enrique				
Silay City				
Sipalay				
Talisay City				
Toboso				
Valladolid				
Victorias City				
Provincial Total	25	16	1,600	8,379

(2) Population to be served by target year

Phase I

For urban area, the additional service coverage was assumed as the population to be served by Level III service. For rural area, the population to be served by Level II systems with untapped springs was first calculated and the rest of additional service coverage was estimated to be served by Level I facilities.

Phase II

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

The population to be served by target year is exhibited in Table 8.5.2 and Table 8.5.3.

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

Name of Municipality/City	Area	Population Served in the Base Year				Total Population	Service Coverage				Additional Population to be Served																																																																																																																																																																																																																																																																																																																																																																																																																								
		Level III			Level I		Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level III	Level I	Level II	Level

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

Name of Municipality/City	Population Served in the Base Year				Phase I Coverage (2005)									
	Area				Total Population	Service Coverage			Additional Population to be Served			Level I	Level II	Total
	Level III	Level II	Level I	Total		Level III	Level II	Level I	Total	Level III	Level II			
Ilog	Urban	1,200	17,295	18,495	27,123	5,077		17,295	22,372	3,877				3,877
	Rural		6,849	7,474	16,782		625	9,306	9,931			2,457		2,457
	Total	1,200	24,144	25,969	43,905	5,077	625	26,601	32,303	3,877		2,457		6,334
Isabela	Urban		7,020	7,020	11,848	1,693		7,020	8,713	1,693				1,693
	Rural		18,018	23,968	41,925		5,950	24,156	30,106			6,138		6,138
	Total		25,038	30,988	53,773	1,693	5,950	31,176	38,819	1,693		6,138		7,831
Kabankalan City	Urban	180	31,894	32,449	57,160	8,350	375	31,894	40,619	8,170				8,170
	Rural	13,782	30,848	50,430	112,033	13,782	5,800	47,253	66,835			16,405		16,405
	Total	13,962	62,742	82,879	169,213	22,132	6,175	79,147	107,454	8,170		16,405		24,575
La Carlota City	Urban	16,620	5,070	21,740	23,000	16,620	50	5,070	21,740					
	Rural	9,360	15,375	26,235	34,119	9,360	1,500	20,370	31,230			4,995		4,995
	Total	25,980	20,445	47,975	57,119	25,980	1,550	25,440	52,970			4,995		4,995
La Castellana	Urban	2,958	11,477	14,435	24,844	6,509		11,477	17,986	3,551				3,551
	Rural		23,396	24,721	47,671		1,325	30,375	31,700			6,979		6,979
	Total	2,958	34,873	39,156	72,515	6,509	1,325	41,852	49,686	3,551		6,979		10,530
Manapla	Urban	4,278	4,557	8,835	11,034	5,855		4,557	10,412	1,577				1,577
	Rural		31,194	32,344	43,484		2,230	36,480	38,710		1,080	5,286		6,366
	Total	4,278	35,751	41,179	54,518	5,855	2,230	41,037	49,122	1,577	1,080	5,286		7,943
Moises Padilla	Urban	2,445	6,744	9,489	11,149	2,445	300	6,744	9,489					
	Rural		14,748	15,823	21,720		1,075	17,928	19,003			3,180		3,180
	Total	2,445	21,492	25,312	32,869	2,445	1,375	24,672	28,492			3,180		3,180
Murcia	Urban	6,982	8,826	15,933	20,102	9,804	125	8,826	18,815	2,882				2,882
	Rural	888	26,968	32,631	46,336	888	4,775	33,752	39,415			6,784		6,784
	Total	7,870	35,794	48,564	66,438	10,752	4,900	42,578	58,230	2,882		6,784		9,666
Pontevedra	Urban	7,837	9,272	17,109	21,185	10,865		9,272	20,137	3,028				3,028
	Rural	4,534	13,520	18,479	26,899	4,534	425	17,458	22,417			3,938		3,938
	Total	12,371	22,792	35,588	48,084	15,399	425	26,730	42,554	3,028		3,938		6,966
Pulupandan	Urban	1,284	12,088	13,372	18,286	3,898		12,088	15,986	2,614				2,614
	Rural	762	8,318	9,080	11,305	762		8,318	9,080					
	Total	2,046	20,406	22,452	29,591	4,660		20,406	25,066	2,614				2,614
Sagay City	Urban	13,030	25,272	39,142	60,485	21,675	840	25,272	47,787	8,645				8,645
	Rural	7,697	49,347	57,819	107,572	7,697	4,338	61,533	73,568		3,563	12,186		15,749
	Total	20,727	74,619	96,961	168,057	29,372	5,178	86,805	121,355	8,645	3,563	12,186		24,394

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

Name of Municipality/City	Area	Population Served in the Base Year				Phase I Coverage (2005)									
		Level III			Total Population	Service Coverage			Additional Population to be Served						
		Level III	Level II	Level I		Total	Level III	Level II	Level I	Total					
Salvador Benedicto	Urban														
	Rural		4,400	12,327	16,727	20,794			4,400	12,327					
	Total		4,400	12,327	16,727	20,794			4,400	12,327					
San Carlos City	Urban	13,585		11,837	25,422	32,055	18,167			11,837	30,004	4,582		4,582	
	Rural	770	18,855	31,852	51,477	85,837	770	18,855	44,419	64,044			12,567	12,567	
	Total	14,355	18,855	43,689	76,899	117,892	18,937	18,855	56,256	94,048	4,582		12,567	17,149	
San Enrique	Urban			7,340	7,340	10,920	1,561		7,340	8,901	1,561			1,561	
	Rural		325	8,211	8,536	13,063			325	10,123	10,448			1,912	1,912
	Total		325	15,551	15,876	23,983	1,561		325	17,463	19,349	1,561		1,912	3,473
Silay City	Urban	14,445		34,910	49,355	64,731	23,697		34,910	58,607	9,252			9,252	
	Rural	2,917	4,525	43,813	51,255	80,005	2,917	4,525	55,526	62,968			11,713	11,713	
	Total	17,362	4,525	78,723	100,610	144,736	26,614	4,525	90,436	121,575	9,252		11,713	20,965	
Sipalay	Urban	1,410	100	16,136	17,646	22,649	4,647	100	16,136	20,883	3,237			3,237	
	Rural	294	1,025	33,746	35,065	46,349	294	1,025	40,532	41,851			6,786	6,786	
	Total	1,704	1,125	49,882	52,711	68,998	4,941	1,125	56,668	62,734	3,237		6,786	10,023	
Talisay City	Urban	8,220	500	22,248	30,968	37,139	13,528	500	22,248	36,276	5,308			5,308	
	Rural	42	500	29,324	29,866	43,546	42	500	35,699	36,241			6,375	6,375	
	Total	8,262	1,000	51,572	60,834	80,685	13,570	1,000	57,947	72,517	5,308		6,375	11,683	
Toboso	Urban	954	510	2,022	3,486	8,508	2,170	510	2,022	4,702	1,216			1,216	
	Rural	936	1,725	23,361	26,022	39,975	936	1,725	29,213	31,874			5,852	5,852	
	Total	1,890	2,235	25,383	29,508	48,483	3,106	2,235	31,235	36,576	1,216		5,852	7,068	
Valladolid	Urban	1,610		17,937	19,547	22,796	1,610		17,937	19,547					
	Rural		375	10,898	11,273	12,488		375	10,898	11,273					
	Total	1,610	375	28,835	30,820	35,284	1,610	375	28,835	30,820					
Victorias City	Urban	14,400		36,664	51,064	71,077	24,559		36,664	61,223	10,159			10,159	
	Rural	3,480		13,926	17,406	28,103	3,480		18,040	21,520			4,114	4,114	
	Total	17,880		50,590	68,470	99,180	28,039		54,704	82,743	10,159		4,114	14,273	
Provincial Total	Urban	182,835	9,050	420,263	612,148	837,274	282,372	9,050	420,263	711,683	99,537			99,535	
	Rural	66,740	80,380	849,375	996,495	1,511,977	66,740	88,759	1,023,842	1,179,342	8,379	174,467	182,847		
	Total	249,575	89,430	1,269,638	1,608,643	2,349,251	349,112	97,809	1,444,105	1,891,025	99,537	174,467	282,382		

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

Name of Municipality/City	Area	Population Served in 2005				Phase II Coverage (2010)									
		Level III	Level II	Level I	Total	Total Population	Service Coverage				Additional Population to be Served				
							Level III	Level II	Level I	Total	Level III	Level II	Level I	Total	
Bago City	Urban	10,724		16,988	27,712	35,810	34,020				34,020	23,296			23,296
	Rural	1,224	7,172	87,017	95,413	132,963	1,224	7,172	115,260	123,656				28,243	28,243
	Total	11,948	7,172	104,005	123,125	168,773	35,244	7,172	115,260	157,676	23,296			28,243	51,539
Binalbagan	Urban	11,544		13,577	25,121	28,097	26,692				26,692	15,148			15,148
	Rural	5,214	75	21,298	26,587	34,301	5,214	75	26,611	31,900				5,313	5,313
	Total	16,758	75	34,875	51,708	62,398	31,906	75	26,611	58,592	15,148			5,313	20,461
Cadiz City	Urban	32,767	550	1,350	34,667	42,042	39,940				39,940	7,173			7,173
	Rural	3,000	1,300	78,280	82,580	98,486	3,000	1,300	87,292	91,592				9,012	9,012
	Total	35,767	1,850	79,630	117,247	140,528	42,940	1,300	87,292	131,532	7,173			9,012	16,185
Calatrava	Urban	10,269		578	10,847	13,027	12,376				12,376	2,107			2,107
	Rural	2,346	2,500	47,616	52,462	63,730	2,346	2,500	54,423	59,269				6,807	6,807
	Total	12,615	2,500	48,194	63,309	76,757	14,722	2,500	54,423	71,645	2,107			6,807	8,914
Candoni	Urban	418	325	1,368	2,111	2,938	2,791				2,791	2,373			2,373
	Rural		2,025	9,293	11,318	17,884		2,025	14,607	16,632				5,314	5,314
	Total	418	2,350	10,661	13,429	20,822	2,791	2,025	14,607	19,423	2,373			5,314	7,687
Cauayan	Urban	3,428	4,450	8,268	16,146	25,237	23,975				23,975	20,547			20,547
	Rural	900	7,364	42,409	50,673	71,118	900	7,364	57,876	66,140				15,467	15,467
	Total	4,328	11,814	50,677	66,819	96,355	24,875	7,364	57,876	90,115	20,547			15,467	36,014
Enrique B. Magalona	Urban	8,561	75	20,240	28,876	37,503	35,628				35,628	27,067			27,067
	Rural	350		23,774	24,124	34,613	350		31,840	32,190				8,066	8,066
	Total	8,911	75	44,014	53,000	72,116	35,978		31,840	67,818	27,067			8,066	35,133
Escalante	Urban	11,603	125	28,683	40,411	51,519	48,943				48,943	37,340			37,340
	Rural	1,320	1,200	46,797	49,317	48,683	1,320	1,200	46,797	49,317					
	Total	12,923	1,325	75,480	89,728	100,202	50,263	1,200	46,797	98,260	37,340				
Himamaylan	Urban	4,986	550	22,920	28,456	35,069	33,316				33,316	28,330			28,330
	Rural	4,782	4,600	34,275	43,657	57,958	4,782	4,600	44,519	53,901				10,244	10,244
	Total	9,768	5,150	57,195	72,113	93,027	38,098	4,600	44,519	87,217	28,330			10,244	38,574
Hinigaran	Urban	2,935		6,722	9,657	14,587	13,858				13,858	10,923			10,923
	Rural	2,142	1,000	49,877	53,019	69,947	2,142	1,000	61,909	65,051				12,032	12,032
	Total	5,077	1,000	56,599	62,676	84,534	16,000	1,000	61,909	78,909	10,923			12,032	22,955
Hinoba-an (Asia)	Urban	2,347	175	10,960	13,482	16,421	15,600				15,600	13,253			13,253
	Rural		1,750	19,500	21,250	24,819		1,750	21,332	23,082				1,832	1,832
	Total	2,347	1,925	30,460	34,732	41,240	15,600	1,750	21,332	38,682	13,253			1,832	15,085

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

Name of Municipality/City	Area	Population Served in 2005				Phase II Coverage (2010)								
		Level III	Level II	Level I	Total	Total Population	Service Coverage			Additional Population to be Served				
							Level III	Level II	Level I	Total	Level III	Level II	Level I	Total
Ilog	Urban	5,077		17,295	22,372	27,934	26,537			26,537	21,460			21,460
	Rural		625	9,306	9,931	17,284		625	15,449	16,074		6,143		6,143
	Total	5,077	625	26,601	32,303	45,218	26,537	625	15,449	42,611	21,460	6,143		27,603
	Urban	1,693		7,020	8,713	12,356	11,738			11,738	10,045			10,045
	Rural		5,950	24,156	30,106	44,733		5,950	35,652	41,602		11,496		11,496
Kabankalan City	Total	1,693	5,950	31,176	38,819	57,089	11,738	5,950	35,652	53,340	10,045	11,496		21,541
	Urban	8,350	375	31,894	40,619	64,929	61,683			61,683	53,333			53,333
	Rural	13,782	5,800	47,253	66,835	127,283	13,782	5,800	98,791	118,373		51,538		51,538
	Total	22,132	6,175	79,147	107,454	192,212	75,465	5,800	98,791	180,056	53,333	51,538		104,871
	Urban	16,620	50	5,070	21,740	23,631	22,449			22,449	5,829			5,829
La Carlota City	Rural	9,360	1,500	20,370	31,230	36,958	9,360	1,500	23,511	34,371		3,141		3,141
	Total	25,980	1,550	25,440	52,970	60,589	31,809	1,500	23,511	56,820	5,829	3,141		8,970
	Urban	6,509		11,477	17,986	29,350	27,883			27,883	21,374			21,374
	Rural		1,325	30,375	31,700	49,549		1,325	44,756	46,081		14,381		14,381
Manapla	Total	6,509	1,325	41,852	49,686	78,899	27,883	1,325	44,756	73,964	21,374	14,381		35,755
	Urban	5,855		4,557	10,412	11,549	10,972			10,972	5,117			5,117
	Rural		2,230	36,480	38,710	44,032		2,230	38,720	40,950		2,240		2,240
	Total	5,855	2,230	41,037	49,122	55,581	10,972	2,230	38,720	51,922	5,117	2,240		7,357
Moises Padilla	Urban	2,445	300	6,744	9,489	12,249	11,637			11,637	9,192			9,192
	Rural		1,075	17,928	19,003	23,862		1,075	21,117	22,192		3,189		3,189
	Total	2,445	1,375	24,672	28,492	36,111	11,637	1,075	21,117	33,829	9,192	3,189		12,381
	Urban	9,864	125	8,826	18,815	29,212	27,751			27,751	17,887			17,887
Murcia	Rural	888	4,775	33,752	39,415	41,120	888	4,775	33,752	39,415				
	Total	10,752	4,900	42,578	58,230	70,332	28,639	4,775	33,752	67,166	17,887			17,887
	Urban	10,865		9,272	20,137	26,411	25,090			25,090	14,225			14,225
	Rural	4,534	425	17,458	22,417	25,205	4,534	425	18,482	23,441		1,024		1,024
Pontevedra	Total	15,399	425	26,730	42,554	51,616	29,624	425	18,482	48,531	14,225	1,024		15,249
	Urban	3,898		12,088	15,986	18,286	17,372			17,372	13,474			13,474
	Rural	762		8,318	9,080	11,305	762		9,752	10,514		1,434		1,434
	Total	4,660		20,406	25,066	29,591	18,134		9,752	27,886	13,474	1,434		14,908

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

Name of Municipality/City	Area	Population Served in 2005				Phase II Coverage (2010)								
		Level III	Level II	Level I	Total	Total Population	Service Coverage				Additional Population to be Served			
							Level III	Level II	Level I	Total	Level III	Level II	Level I	Total
Sagay City	Urban	21,675	840	25,272	47,787	61,637	58,555			58,555	36,880			36,880
	Rural	7,697	4,338	61,533	73,568	119,656	7,697	4,338	99,245	111,280			37,712	37,712
	Total	29,372	5,178	86,805	121,355	181,293	66,252	4,338	99,245	169,835	36,880		37,712	74,592
Salvador Benedicto	Urban													
	Rural		4,400	12,327	16,727	22,576		4,400	16,596	20,996			4,269	4,269
	Total		4,400	12,327	16,727	22,576		4,400	16,596	20,996			4,269	4,269
San Carlos City	Urban	18,167		11,837	30,004	34,306	32,591			32,591	14,424			14,424
	Rural	770	18,855	44,419	64,044	86,386	770	18,855	60,714	80,339			16,295	16,295
	Total	18,937	18,855	56,256	94,048	120,692	33,361	18,855	60,714	112,930	14,424		16,295	30,719
San Enrique	Urban	1,561		7,340	8,901	13,582	12,903			12,903	11,342			11,342
	Rural		325	10,123	10,448	13,022		325	11,785	12,110			1,662	1,662
	Total	1,561	325	17,463	19,349	26,604	12,903	325	11,785	25,013	11,342		1,662	13,004
Silay City	Urban	23,697		34,910	58,607	73,714	70,028			70,028	46,331			46,331
	Rural	2,917	4,525	55,526	62,968	74,351	2,917	4,525	61,704	69,146			6,178	6,178
	Total	26,614	4,525	90,436	121,575	148,065	72,945	4,525	61,704	139,174	46,331		6,178	52,509
Sipalay	Urban	4,647	100	16,136	20,883	24,275	23,061			23,061	18,414			18,414
	Rural	294	1,025	40,532	41,851	49,236	294	1,025	44,470	45,789			3,938	3,938
	Total	4,941	1,125	56,668	62,734	73,511	23,355	1,025	44,470	68,850	18,414		3,938	22,352
Talisay City	Urban	13,528	500	22,248	36,276	39,354	37,386			37,386	23,858			23,858
	Rural	42	500	35,699	36,241	47,245	42	500	43,396	43,938			7,697	7,697
	Total	13,570	1,000	57,947	72,517	86,599	37,428	500	43,396	81,324	23,858		7,697	31,555
Toboso	Urban	2,170	510	2,022	4,702	8,587	8,158			8,158	5,988			5,988
	Rural	936	1,725	29,213	31,874	40,345	936	1,725	34,860	37,521			5,647	5,647
	Total	3,106	2,235	31,235	36,576	48,932	9,094	1,725	34,860	45,679	5,988		5,647	11,635
Valladolid	Urban	1,610		17,937	19,547	25,501	24,226			24,226	22,616			22,616
	Rural		375	10,898	11,273	13,969		375	12,616	12,991			1,718	1,718
	Total	1,610	375	28,835	30,820	39,470	24,226	375	12,616	37,217	22,616		1,718	24,334
Victorias City	Urban	24,559		36,664	61,223	78,670	74,737			74,737	50,178			50,178
	Rural	3,480		18,040	21,520	31,105	3,480		25,448	28,928			7,408	7,408
	Total	28,039		54,704	82,743	109,775	78,217		25,448	103,665	50,178		7,408	57,586
Provincial Total	Urban	282,372	9,050	420,263	711,685	917,783	871,896			871,896	589,524			589,524
	Rural	66,740	88,759	1,023,842	1,179,341	1,573,724	66,740	88,759	1,313,282	1,468,781			289,440	289,440
	Total	349,112	97,809	1,444,105	1,891,026	2,491,507	938,636	88,759	1,313,282	2,340,677	589,524		289,440	878,964