

**Table 4-8 FRAMEWORK FOR MAJOR AGRICULTURAL COMMODITIES
IN TERMS OF GDP AND PRODUCTION (HIGH GROWTH SCENARIO) (1/2)**

Major Commodities	Item	Unit	1995	2000	2005	2010	2015	2020	2025	
Rice	Population	[A]	1,000 person	68,614	76,320	84,214	91,851	99,008	105,503	111,473
	Per Capita Consumption	[B]	kg/year	92.2	91.6	98.5	101.5	103.5	105.1	106.1
	Utilization									
	Total Consumption(Ton/year) :[A]x[B]	[C]	1,000ton/year	6,327	7,222	8,293	9,320	10,249	11,086	11,831
	Other Utilization									
	a. Export	[D]	1,000ton/year	0	0	0	0	0	0	0
	b. Seeds	[E]	1,000ton/year	184	265	390	495	590	685	771
	c. Feeds & Waste	[F]	1,000ton/year	418	645	948	1,179	1,435	1,665	1,874
	d. Processing	[G]	1,000ton/year	276	397	583	725	883	1,024	1,153
	Total Utilization: [C]+[D]+[E]+[F]+[G]	[H]	1,000ton/year	7,235	8,529	10,215	11,709	13,157	14,461	15,630
	Import	[I]	1,000ton/year	268	355	351	395	434	470	501
	GDP (Framework)	[J]	mill. pesos/year	28,190	40,571	59,658	74,150	90,254	104,745	117,910
	Conversion Factor of GDP to Production	[K]	kg/peso	0.245	0.245	0.245	0.245	0.245	0.245	0.245
	Converted Production (Framework)	[L]	1,000ton/year	6,824	9,921	14,589	18,133	22,071	25,614	28,834
	Ratio of Production to Consumption :[L]/[C]x100	%	%	109.0	137.4	175.9	194.6	215.3	231.1	243.7
Ratio of Production to Total Utilization :[L]/[H]x100	%	%	95.3	116.3	142.8	164.9	167.8	177.1	184.5	
Self-Sufficiency Ratio: ([L]-[I]-[D]+[E])x100	%	%	96.3	96.3	97.6	97.9	98.1	98.2	98.3	
Corn	Per Capita Consumption	[B]	kg/year	15.7	15.8	15.9	16.0	16.0	16.1	16.2
	Utilization									
	Total Consumption(Ton/year) :[A]x[B]	[C]	1,000ton/year	1,078	1,205	1,337	1,465	1,587	1,700	1,805
	Other Utilization									
	a. Export	[D]	1,000ton/year	206	237	268	341	457	652	954
	b. Seeds	[E]	1,000ton/year	54	62	70	89	119	171	250
	c. Feeds & Waste	[F]	1,000ton/year	2,883	3,317	3,745	4,775	6,390	9,132	13,355
	d. Processing	[G]	1,000ton/year	351	633	716	912	1,220	1,744	2,551
	Total Utilization: [C]+[D]+[E]+[F]+[G]	[H]	1,000ton/year	4,772	5,454	6,138	7,582	9,774	13,399	18,914
	Import	[I]	1,000ton/year	0.09	0.10	0.11	0.12	0.13	0.14	0.15
	GDP (Framework)	[J]	mill. pesos/year	9,837	11,315	12,786	16,290	21,801	31,155	45,562
	Conversion Factor of GDP to Production	[K]	kg/peso	0.420	0.420	0.420	0.420	0.420	0.420	0.420
	Converted Production (Framework)	[L]	1,000ton/year	4,129	4,749	5,366	6,837	9,150	13,075	19,122
	Ratio of Production to Consumption :[L]/[C]x100	%	%	382.9	394.0	401.5	466.6	576.5	769.2	1,059.4
	Ratio of Production to Total Utilization :[L]/[H]x100	%	%	86.5	87.1	87.4	90.2	93.6	97.6	101.1
Self-Sufficiency Ratio: ([L]-[I]-[D]+[E])x100	%	%	105.2	105.2	105.2	105.2	105.3	105.3	105.3	
Coconut	Per Capita Consumption	[B]	kg/year	8.5	8.9	9.4	9.9	10.4	10.9	11.5
	Utilization									
	Total Consumption(Ton/year) :[A]x[B]	[C]	1,000ton/year	584	683	792	907	1,028	1,151	1,279
	Other Utilization									
	a. Export	[D]	1,000ton/year	3.1	3.1	3.1	3.2	3.5	4.3	5.4
	b. Seeds	[E]	1,000ton/year	117	116	117	120	133	161	204
	c. Feeds & Waste	[F]	1,000ton/year	6,317	6,256	6,329	6,502	7,189	8,693	11,021
	d. Processing	[G]	1,000ton/year	4,880	4,833	4,889	5,024	5,554	6,716	8,515
	Total Utilization: [C]+[D]+[E]+[F]+[G]	[H]	1,000ton/year	11,901	11,891	12,130	12,557	13,908	16,725	21,023
	Import	[I]	1,000ton/year	0	0.0	0.0	0.0	0.0	0.0	0.0
	GDP (Framework)	[J]	mill. pesos/year	7,389	7,309	7,394	7,597	8,399	10,156	12,876
	Conversion Factor of GDP to Production	[K]	kg/peso	1.585	1.585	1.585	1.585	1.585	1.585	1.585
	Converted Production (Framework)	[L]	1,000ton/year	11,701	11,588	11,723	12,045	13,316	16,102	20,415
	Ratio of Production to Consumption :[L]/[C]x100	%	%	2,004	1,698	1,481	1,327	1,295	1,398	1,597
	Ratio of Production to Total Utilization :[L]/[H]x100	%	%	98.3	97.5	96.6	95.9	95.7	96.3	97.1
Self-Sufficiency Ratio: ([L]-[I]-[D]+[E])x100	%	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Sugarcane	Per Capita Consumption	[B]	kg/year	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	Utilization									
	Total Consumption(Ton/year) :[A]x[B]	[C]	1,000ton/year	175	196	217	238	258	276	294
	Other Utilization									
	a. Export	[D]	1,000ton/year	0.004	0.005	0.005	0.005	0.006	0.008	0.011
	b. Seeds	[E]	1,000ton/year	0	0	0	0	0	0	0
	c. Feeds & Waste	[F]	1,000ton/year	0	0	0	0	0	0	0
	d. Processing	[G]	1,000ton/year	17,389	21,508	22,078	23,723	27,425	31,685	45,985
	Total Utilization: [C]+[D]+[E]+[F]+[G]	[H]	1,000ton/year	17,564	21,704	22,295	23,961	27,683	31,961	46,279
	Import	[I]	1,000ton/year	0	0	0	0	0	0	0
	GDP (Framework)	[J]	mill. pesos/year	3,964	4,903	5,033	5,408	6,252	7,907	10,483
	Conversion Factor of GDP to Production	[K]	kg/peso	4.436	4.436	4.436	4.436	4.436	4.436	4.436
	Converted Production (Framework)	[L]	1,000ton/year	17,581	21,749	22,326	23,989	27,733	35,075	46,502
	Ratio of Production to Consumption :[L]/[C]x100	%	%	10,029	11,097	10,272	10,069	10,745	12,690	15,843
	Ratio of Production to Total Utilization :[L]/[H]x100	%	%	100.1	100.2	100.1	100.1	100.2	100.3	100.5
Self-Sufficiency Ratio: ([L]-[I]-[D]+[E])x100	%	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

Data Sources: 1. "Supply and Utilization Accounts of Selected Agricultural Commodities" 1992-1995, Agricultural Accounts and Statistical Indicators Division Bureau of Agricultural Statistics, Department of Agriculture, December 1996.
2. "Selected Indicators of Food Situation in the Philippines", BUREAU OF AGRICULTURAL STATISTICS, April 1995.

**Table 4-9 FRAMEWORK FOR MAJOR AGRICULTURAL COMMODITIES
IN TERMS OF GDP AND PRODUCTION(HIGH GROWTH SCENARIO) (2)**

Major Commodities	Item	Unit	1995	2000	2005	2010	2015	2020	2025	
Banana	Population	[A]	1,000 person	68,614	76,320	84,214	91,851	99,008	105,503	111,473
	Per Capita Consumption	[B]	kg/year	20.4	20.6	20.7	20.8	20.9	21.0	21.1
	Utilization									
	Total Consumption(Ton/year) :[A][B]	[C]	1,000ton/year	1,403	1,569	1,741	1,908	2,067	2,213	2,350
	Other Utilization									
	a. Export	[D]	1,000ton/year	1,110	1,100	1,184	1,404	1,790	2,437	3,394
	b. Seeds	[E]	1,000ton/year	184	183	197	233	297	405	564
	c. Feeds & Waste	[F]	1,000ton/year	418	444	478	567	723	981	1,320
	d. Processing	[G]	1,000ton/year	276	273	294	349	445	605	843
	Total Utilization: [C]+[D]+[E]+[F]+[G]	[H]	1,000ton/year	2,311	3,569	3,804	4,460	5,321	6,641	8,521
	Import	[I]	1,000ton/year	0	0	0	0	0	0	0
	GDP (Framework)	[J]	mill. pesos/year	2,962	2,934	3,160	3,716	4,776	6,502	9,056
	Conversion Factor of GDP to Production	[K]	kg/peso	1.062	1.062	1.062	1.062	1.062	1.062	1.062
	Converted Production (Framework)	[L]	1,000ton/year	3,145	3,115	3,355	3,977	5,070	6,903	9,614
Ratio of Production to Consumption :[L][C]x100	%		224.1	198.5	192.7	208.5	245.3	311.9	409.0	
Ratio of Production to Total Utilization :[L][H]x100	%		136.1	87.3	86.2	89.2	95.3	103.9	112.8	
Self-Sufficiency Ratio:([L]-[D]-[E]-[F]-[G])x100	%		154.6	154.6	154.6	154.6	154.6	154.6	154.6	
Livestock	Population	[A]	1,000 person	68,614	76,320	84,214	91,851	99,008	105,503	111,473
	Per Capita Consumption	[B]	kg/year	17.2	19.0	20.8	22.5	24.1	25.6	27.2
	Utilization									
	Total Consumption(Ton/year) :[A][B]	[C]	1,000ton/year	1,182	1,451	1,751	2,068	2,389	2,702	3,030
	Other Utilization									
	a. Export	[D]	1,000ton/year	0	0	0	0	0	0	0
	b. Feeds & Waste	[E]	1,000ton/year	0	0	0	0	0	0	0
	c. Processing	[F]	1,000ton/year	27	35	47	62	85	118	167
	Total Utilization: [C]+[D]+[E]+[F]	[G]	1,000ton/year	1,209	1,487	1,798	2,130	2,474	2,821	3,197
	Import	[H]	1,000ton/year	45.1	55.4	66.8	78.9	91.2	103.1	115.6
	GDP (Framework)	[I]	mill. pesos/year	19,839	26,181	34,916	46,496	63,316	88,153	124,285
	Conversion Factor of GDP to Production	[J]	kg/peso	0.061	0.061	0.061	0.061	0.061	0.061	0.061
	Converted Production (Framework)	[K]	1,000ton/year	1,211	1,598	2,131	2,838	3,864	5,380	7,585
	Ratio of Production to Consumption :[K][C]x100	%		102.4	110.1	121.7	133.3	161.7	199.1	250.4
Ratio of Production to Total Utilization :[K][G]x100	%		100.2	107.5	118.5	133.2	156.2	190.7	237.3	
Self-Sufficiency Ratio:([K]-[D]-[E]-[F])x100	%		96.4	96.6	97.0	97.3	97.7	98.1	98.5	
Poultry	Per Capita Consumption	[B]	kg/year	7.9	8.5	9.2	9.8	10.5	11.3	12.1
	Utilization									
	Total Consumption(Ton/year) :[A][B]	[C]	1,000ton/year	541	652	771	902	1,042	1,190	1,348
	Other Utilization									
	a. Export	[D]	1,000ton/year	0	0	0	0	0	0	0
	b. Egg Hatched	[E]	1,000ton/year	14	18	24	31	41	56	78
	c. Processing	[F]	1,000ton/year	5	6	8	11	15	20	28
	Total Utilization: [C]+[D]+[E]+[F]	[G]	1,000ton/year	563	676	803	944	1,098	1,267	1,453
	Import	[H]	1,000ton/year	0.5	0.7	0.8	0.9	1.0	1.2	1.36
	GDP (Framework)	[I]	mill. pesos/year	16,056	20,791	27,209	35,554	47,508	64,903	89,791
	Conversion Factor of GDP to Production	[J]	kg/peso	0.036	0.036	0.036	0.036	0.036	0.036	0.036
	Converted Production (Framework)	[K]	1,000ton/year	585	758	992	1,296	1,732	2,366	3,273
	Ratio of Production to Consumption :[K][C]x100	%		107.6	116.2	128.6	143.7	166.7	193.8	242.9
	Ratio of Production to Total Utilization :[K][G]x100	%		104.0	112.0	123.5	137.4	157.7	186.8	225.2
Self-Sufficiency Ratio:([K]-[D]-[E]-[F])x100	%		99.9	99.9	99.9	99.9	99.9	99.9	100.0	
Fishery	Per Capita Consumption	[B]	kg/year	23.1	23.2	23.3	23.4	23.6	23.7	23.8
	Utilization									
	Total Consumption(Ton/year) :[A][B]	[C]	1,000ton/year	1,584	1,771	1,964	2,153	2,332	2,498	2,651
	Other Utilization									
	a. Export	[D]	1,000ton/year	172	167	178	186	193	195	215
	b. Feeds & Waste	[E]	1,000ton/year	124	129	128	134	138	140	154
	c. Processing	[F]	1,000ton/year	1,123	1,086	1,162	1,214	1,258	1,273	1,402
	Total Utilization: [C]+[D]+[E]+[F]	[G]	1,000ton/year	3,004	3,143	3,433	3,687	3,922	4,106	4,422
	Import	[H]	1,000ton/year	262	253	271	283	294	297	327
	GDP (Framework)	[I]	mill. pesos/year	33,853	32,730	35,026	36,590	37,918	38,366	42,237
	Conversion Factor of GDP to Production	[J]	kg/peso	0.137	0.137	0.137	0.137	0.137	0.137	0.137
	Converted Production (Framework)	[K]	1,000ton/year	4,631	4,477	4,791	5,005	5,187	5,248	5,778
	Ratio of Production to Consumption :[K][C]x100	%		292.3	252.8	243.9	232.5	222.4	210.1	218.0
	Ratio of Production to Total Utilization :[K][G]x100	%		154.2	142.4	139.6	135.7	132.2	127.8	130.7
Self-Sufficiency Ratio:([K]-[D]-[E]-[F])x100	%		98.1	98.1	98.1	98.1	98.1	98.1	98.1	

Data Sources: 1. "Supply and Utilization Accounts of Selected Agricultural Commodities" 1992-1995, Agricultural Accounts and Statistical Indicators Division Bureau of Agricultural Statistics, Department of Agriculture, December 1996.
2. "Selected Indicators of Food Situation in the Philippines", BUREAU OF AGRICULTURAL STATISTICS, April 1995.

Table 4-10 RESULT OF PROJECTION FOR GRDP BY REGION (AT CONSTANT 1985 PRICES)

No.	Region	Annual Average Growth Rate (%)														
		1995	2000	2005	2010	2015	2020	2025	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	1995-2025	
	NCR	240,121	254,609	339,825	484,201	672,864	972,009	1,362,639	2,019,097	2,828,717	3,848,724	5,117,717	6,717,717	8,717,717	11,217,717	14,717,717
I	CAR	16,762	17,699	23,255	32,936	46,690	66,284	95,299	140,457	211,471	311,471	451,471	631,471	871,471	1,191,471	1,611,471
II	Ilocos	24,021	26,004	34,503	47,999	67,275	96,242	141,179	213,471	313,471	453,471	633,471	873,471	1,193,471	1,613,471	
III	Cebuano Valley	10,485	12,009	24,403	34,943	48,868	71,220	106,813	165,659	247,471	361,471	511,471	701,471	951,471	1,281,471	
IV	Central Luzon	78,383	82,324	107,697	152,135	215,344	304,958	435,931	614,294	864,471	1,214,471	1,684,471	2,294,471	3,164,471	4,314,471	
V	South Tagalog	126,303	132,107	178,554	260,944	383,122	563,299	837,912	1,220,989	1,740,471	2,410,471	3,340,471	4,560,471	6,190,471	8,340,471	
VI	Iloilo	24,520	24,692	30,768	40,478	54,417	73,672	101,422	140,489	194,471	266,471	364,471	494,471	664,471	894,471	
VII	West Visayas	58,227	59,614	76,989	103,631	140,808	192,965	268,190	380,337	514,471	694,471	944,471	1,274,471	1,714,471	2,284,471	
VIII	Central Visayas	52,669	52,667	75,243	110,975	163,320	240,990	359,564	529,564	759,564	1,089,564	1,519,564	2,069,564	2,819,564	3,819,564	
IX	East Visayas	10,174	20,941	37,598	62,177	102,704	162,174	249,174	369,174	544,174	794,174	1,144,174	1,644,174	2,314,174	3,214,174	
X	West Mindanao	21,599	22,370	26,850	34,483	44,666	58,727	78,025	108,255	148,255	203,255	278,255	378,255	508,255	678,255	
XI	North Mindanao	41,758	44,179	57,954	77,335	102,684	139,684	192,684	269,684	379,684	524,684	724,684	994,684	1,354,684	1,834,684	
XII	Central Mindanao	54,200	55,089	70,253	94,663	128,469	173,627	244,299	347,634	484,634	664,634	904,634	1,224,634	1,644,634	2,194,634	
	ADMN	22,082	23,955	29,061	38,000	49,950	65,903	87,843	119,029	164,634	224,634	304,634	414,634	554,634	744,634	
	ADMN	7,955	8,429	10,784	14,658	19,658	26,658	36,658	49,658	66,658	89,658	121,658	164,658	221,658	296,658	
	Total	1,171,013	1,243,596	1,637,321	2,307,321	3,287,321	4,687,321	6,687,321	9,687,321	13,687,321	18,687,321	25,687,321	35,687,321	48,687,321	65,687,321	

Data Source: The figures as of 1995 were referred from Philippine Statistical Yearbook, 1997, NSCB

Table 4-11 RESULT OF PROJECTION FOR GRDP PER CAPITA BY REGION (AT CONSTANT 1985 PRICES)

No.	Region	Annual Average Growth Rate (%)													
		1995	2000	2005	2010	2015	2020	2025	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	1995-2025
	NCR	25,309	26,697	42,890	67,248	100,674	151,234	211,234	301,234	421,234	571,234	771,234	1,021,234	1,371,234	1,821,234
I	CAR	13,316	14,605	21,205	29,439	40,682	56,926	78,170	109,414	151,658	203,902	276,146	368,390	490,634	642,878
II	Ilocos	6,316	6,813	9,087	12,410	16,822	23,234	31,646	43,058	57,470	75,882	100,294	132,706	175,118	227,530
III	Cebuano Valley	6,500	7,627	14,726	21,826	30,002	40,178	53,354	70,530	93,706	126,882	170,058	224,234	298,410	392,586
IV	Central Luzon	11,306	12,433	16,532	22,632	31,732	42,832	56,932	76,032	101,132	136,232	181,332	236,432	311,532	406,632
V	South Tagalog	12,704	13,799	18,898	26,398	37,498	50,998	68,498	91,998	124,498	166,998	221,498	291,498	381,498	496,498
VI	Iloilo	5,137	5,364	6,767	8,936	12,105	16,274	21,443	28,612	38,781	51,950	68,119	89,288	115,457	146,626
VII	West Visayas	10,979	12,051	15,024	19,997	27,970	38,943	52,916	70,889	94,862	128,835	172,808	226,781	290,754	374,727
VIII	Central Visayas	16,807	18,074	23,848	34,622	48,396	65,170	86,944	116,718	156,492	206,266	276,040	365,814	485,588	635,362
IX	East Visayas	5,756	7,971	12,054	18,137	25,220	34,303	46,386	62,469	83,552	111,635	149,718	197,801	265,884	354,967
X	West Mindanao	7,728	8,518	11,097	14,676	19,255	25,834	35,413	48,992	66,571	89,150	116,729	154,308	191,887	249,466
XI	North Mindanao	10,561	13,002	16,537	21,473	28,409	38,345	51,281	68,217	91,153	120,089	159,025	207,961	276,897	365,833
XII	Central Mindanao	10,662	12,225	14,662	18,662	24,662	32,662	43,662	58,662	78,662	103,662	138,662	183,662	238,662	313,662
	ADMN	9,344	10,924	12,787	16,290	21,673	29,056	38,439	50,822	68,205	90,588	117,971	155,354	202,737	260,120
	ADMN	3,941	4,274	5,474	7,337	9,800	12,663	16,526	21,389	28,252	37,115	48,978	63,841	82,704	106,567
	Total	11,713	12,596	16,716	23,028	32,340	43,652	58,964	79,276	105,588	141,900	188,212	244,524	320,836	417,148

Data Source: The figures as of 1995 and 1996 were referred from Philippine Statistical Yearbook, 1997, NSCB

Table 4-12 RESULT OF PROJECTION FOR GROSS VALUE ADDED IN AGRICULTURE AND FORESTRY BY REGION (AT CONSTANT 1985 PRICES)

No.	Region	Annual Average Growth Rate (%)													
		1995	2000	2005	2010	2015	2020	2025	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	1995-2025
	NCR	3,086	3,203	3,714	4,689	6,015	7,615	9,824	12,714	16,589	21,464	28,339	37,214	48,089	61,964
I	CAR	10,448	10,403	14,065	18,628	23,191	29,754	38,317	49,880	64,443	83,006	106,569	139,132	180,695	231,258
II	Ilocos	4,752	4,792	6,118	7,444	9,770	12,696	16,622	21,548	28,474	37,400	48,326	61,252	77,178	97,104
III	Cebuano Valley	17,492	18,392	20,004	24,456	31,908	42,360	55,812	73,264	95,716	123,168	160,620	208,072	265,524	332,976
IV	Central Luzon	32,373	33,708	43,565	56,423	73,281	95,139	124,997	164,855	214,713	284,571	374,429	484,287	614,145	774,003
V	South Tagalog	8,692	8,947	11,500	15,053	19,606	25,159	32,712	43,265	56,818	74,371	96,924	126,477	166,030	215,583
VI	Iloilo	29,266	29,432	37,795	49,158	63,521	82,884	109,247	143,610	187,973	242,336	316,699	401,062	505,425	639,788
VII	West Visayas	7,691	7,978	9,303	11,628	15,053	19,678	25,303	33,928	45,553	60,178	78,803	101,428	130,053	168,678
VIII	Central Visayas	6,074	6,225	7,975	10,726	14,001	18,026	23,051	29,076	37,101	48,126	62,151	79,176	100,201	126,226
IX	East Visayas	10,967	10,975	12,048	15,473	20,000	26,025	34,050	44,075	57,100	74,125	95,150	120,175	150,200	190,225
X	West Mindanao	15,360	15,376	18,300	22,400	28,500	37,600	49,700	65,800	86,900	113,000	144,100	180,200	231,300	292,400
XI	North Mindanao	20,628	20,679	22,204	25,341	29,088	33,717	39,366	46,015	54,164	63,813	75,962	89,611	104,760	121,409
XII	Central Mindanao	7,328	7,354	8,046	8,998	10,041	11,227	12,600	14,173	15,946	17,919	19,992	22,165	24,438	26,811
	ADMN	4,792	4,876	5,626	6,381	7,331	8,581	10,131	11,981	14,131	16,581	19,331	22,381	25,731	29,381
	ADMN	1,708	1,714	2,024	2,524	3,224	4,124	5,224	6,524	8,024	9,724	11,624	13,724	16,024	18,524
	Total	117,142	121,142	150,142	190,142	240,142	300,142	380,142	490,142	630,142	800,142	1,000,142	1,230,142	1,500,142	1,820,142

Data Source: The figures as of 1995 were referred from Philippine Statistical Yearbook, 1996, NSCB

**Table 4-13 RESULT OF PROJECTION FOR GROSS VALUE ADDED IN INDUSTRY BY REGION
(AT CONSTANT 1985 PRICES)**

(Unit of GVA : Million Pesos)

No.	Region	Annual Average Growth Rate (%)											
		1995	1996	2000	2005	2010	2015	2020	2025	2030	2035		
		59,189	104,414	147,656	208,111	302,598	432,748	615,545	884,929	1,247,810	1,753,742	2,453,753	3,353,757
		9,045	10,232	13,600	19,000	26,394	36,267	49,973	68,380	92,737	124,656	167,464	225,757
		3,989	4,329	6,850	11,778	20,114	33,830	56,557	96,160	151,445	230,956	351,220	521,229
		2,216	2,439	3,994	7,116	12,618	22,023	38,198	67,475	112,788	191,664	301,220	451,229
		34,204	36,057	51,164	77,276	115,693	171,937	253,453	378,143	542,914	781,807	1,121,220	1,621,229
		55,581	59,005	97,113	137,915	216,947	336,690	519,531	812,920	1,212,220	1,753,742	2,453,753	3,353,757
		5,081	5,414	7,655	11,513	17,211	25,408	37,303	55,422	82,737	124,656	181,220	261,229
		13,679	14,216	19,721	28,990	42,301	61,161	87,827	127,516	188,853	275,929	397,220	561,229
		15,969	17,208	25,510	40,584	64,151	100,033	155,090	243,839	361,771	521,220	741,229	1,041,229
		6,741	7,382	12,188	21,357	37,162	63,666	108,403	182,850	291,220	431,220	621,229	871,229
		3,798	3,949	5,694	8,659	13,088	19,533	28,989	43,455	65,220	96,220	141,229	206,229
		11,107	12,023	18,145	28,490	47,614	75,805	119,984	192,741	281,220	411,220	591,229	841,229
		13,925	14,791	20,523	30,177	44,107	63,699	91,494	132,875	191,220	271,220	391,229	551,229
		8,822	9,427	13,228	18,762	26,458	36,893	51,173	71,668	104,220	151,220	211,229	291,229
		1,314	1,440	2,019	3,146	5,037	7,582	11,182	16,586	24,220	35,220	51,229	74,229
		285,220	303,006	431,655	656,875	956,852	1,408,923	2,240,715	3,434,556	5,146,876	7,546,876	10,846,876	15,846,876
	Total												

Data Source: The figures as of 1995 were quoted from Philippine Statistical Yearbook, 1996

**Table 4-14 RESULT OF PROJECTION FOR GROSS VALUE ADDED IN SERVICE BY REGION
(AT CONSTANT 1985 PRICES)**

(Unit of GVA : Million Pesos)

No.	Region	Annual Average Growth Rate (%)											
		1995	1996	2000	2005	2010	2015	2020	2025	2030	2035		
		140,931	149,633	196,172	275,090	385,546	540,056	773,994	1,134,158	1,617,810	2,247,810	3,147,810	4,347,810
		4,033	4,211	5,937	9,248	14,396	22,399	35,651	58,435	89,220	131,220	191,229	271,229
		9,884	10,177	12,998	17,517	23,613	31,813	43,847	61,646	92,737	137,220	201,229	281,229
		5,517	5,824	7,458	10,109	13,695	18,542	25,083	36,299	53,220	77,220	111,229	156,229
		26,687	28,172	36,526	50,403	69,515	95,822	135,123	194,661	281,220	401,220	571,229	801,229
		38,149	40,640	53,876	70,772	109,379	155,635	216,632	317,867	451,220	641,220	891,229	1,241,229
		9,747	10,082	12,882	17,405	23,503	31,721	43,798	61,693	89,220	128,220	181,220	251,229
		25,253	26,642	34,570	47,762	65,952	91,019	126,505	185,364	261,220	371,220	511,229	701,229
		29,111	31,202	41,871	60,722	88,014	127,502	188,936	267,025	381,220	531,220	731,229	1,011,229
		6,558	6,862	8,812	11,965	16,317	22,185	30,857	43,806	63,220	91,220	128,220	176,229
		6,834	7,143	9,108	12,270	16,521	22,233	30,009	42,981	61,220	87,220	123,220	171,229
		15,232	16,186	21,309	30,060	42,381	59,721	86,092	126,975	181,220	251,220	341,220	461,229
		19,647	20,840	27,565	39,044	55,276	78,211	112,208	167,694	231,220	321,220	431,220	581,229
		5,902	6,209	7,747	10,249	13,460	17,683	23,764	32,523	45,220	63,220	86,220	118,220
		1,949	2,083	2,819	4,140	6,075	8,910	13,176	18,578	26,220	36,220	49,220	66,220
		345,234	365,946	479,680	675,777	943,604	1,323,433	1,899,989	2,791,707	4,001,707	5,641,707	7,841,707	10,841,707
	Total												

Data Source: The figures as of 1995 were quoted from Philippine Statistical Yearbook, 1996

Table 4-15 RESULT OF PROJECTION FOR GVA IN ALL SECTORS BY WATER RESOURCE REGION AND RIVER BASIN (AT CONSTANT 1985 PRICES)

(Unit: Million Pesos)

WRR	Name of Water Resources Region (WRR)	River Basin	1995	2000	2005	2010	2015	2020	2025	Annual Average Growth Rate (%)							
										1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	1995-	
I	Ilocos	Abra	3,620	5,065	6,960	9,724	13,749	19,823	29,430	6.71	6.60	6.92	7.15	7.64	8.22	7.23	
		Ilocos Norte	2,154	3,074	4,130	5,595	7,751	11,031	16,151	7.27	6.68	6.26	6.74	7.31	7.96	6.94	
		Ilocos Sur	1,466	1,991	2,830	4,129	6,000	8,518	13,280	19,279	6.16	6.92	7.58	8.15	8.15	7.34	
		Sub-total	5,784	8,083	11,090	15,319	21,490	30,854	45,612	6.92	6.53	6.67	7.00	7.50	8.13	7.13	
		Other Area	13,250	18,812	26,144	36,550	51,633	74,311	109,975	172,643	7.26	6.93	6.93	7.15	7.56	8.15	7.34
		Total	19,034	26,895	37,234	51,870	73,123	105,198	155,555	7.16	6.72	6.85	7.11	7.55	8.14	7.25	
II	Cagayan Valley	Cagayan	15,461	22,656	31,855	45,245	65,704	98,070	151,298	7.94	7.05	7.27	7.75	8.34	9.06	7.90	
		Abulog	1,722	2,409	3,363	4,742	6,809	10,037	15,284	6.94	6.92	7.10	7.50	8.07	8.77	7.55	
		Sub-total	17,183	25,065	35,218	49,987	72,513	108,107	166,582	7.84	7.04	7.25	7.72	8.31	9.03	7.87	
		Other Area	4,124	5,926	8,307	11,741	16,904	24,961	38,063	56,645	7.15	6.90	7.17	7.56	8.11	8.81	7.63
		Total	21,381	30,991	43,527	61,728	89,417	133,068	204,645	293,227	7.71	7.03	7.24	7.69	8.28	8.99	7.82
III	Central Luzon	Pampanga	54,151	75,385	107,479	153,367	218,544	313,899	458,615	6.84	7.35	7.37	7.34	7.51	7.83	7.38	
		Agno	17,419	24,334	34,215	48,467	68,927	99,885	148,316	6.91	7.06	7.18	7.34	7.69	8.23	7.40	
		Sub-total	71,581	99,722	141,694	201,834	287,471	413,784	606,931	6.85	7.28	7.33	7.34	7.55	7.95	7.39	
		Other Area	26,673	36,056	49,976	69,748	98,283	140,851	206,673	6.21	6.75	6.89	7.10	7.46	7.97	7.06	
		Total	98,254	135,779	191,670	271,582	385,754	554,635	813,604	1,213,604	6.68	7.14	7.21	7.28	7.53	7.96	7.30
IV	Southern Tagalog	Palig-Iganga Bay	284,459	405,876	584,302	839,764	1,201,135	1,734,813	2,550,750	7.37	7.56	7.52	7.42	7.63	8.01	7.59	
		Amnay-Patrick	2,500	3,554	4,673	6,181	8,334	11,501	16,290	4.41	5.63	5.76	6.15	6.65	7.21	5.97	
		Sub-total	287,218	409,430	588,975	845,945	1,209,469	1,746,314	2,567,040	7.34	7.54	7.51	7.41	7.62	8.01	7.57	
		Other Area	76,092	105,154	151,064	215,381	317,465	467,379	703,117	6.68	7.51	7.65	7.77	8.04	8.51	7.69	
		Total	363,410	514,584	740,039	1,061,326	1,526,934	2,213,693	3,270,157	4,270,157	7.20	7.54	7.51	7.49	7.71	8.12	7.60
V	Bicol	Bicol	6,395	8,273	11,101	14,966	20,300	28,002	39,413	5.28	6.06	6.16	6.29	6.64	7.08	6.25	
		Other Area	17,125	21,994	29,377	39,451	53,372	73,420	103,076	5.13	5.96	6.07	6.23	6.59	7.02	6.17	
		Total	23,520	30,267	40,478	54,417	73,672	101,422	142,489	192,489	5.17	5.99	6.10	6.25	6.60	7.04	6.19
VI	Western Visaya	Panay	5,478	6,959	9,359	12,569	17,015	23,433	32,925	4.99	6.01	6.10	6.25	6.51	7.04	6.16	
		Ilog-Ibabugan	7,079	9,313	12,747	17,403	23,920	33,410	47,604	5.64	6.43	6.49	6.57	6.91	7.34	6.56	
		Jabur	5,828	7,714	10,568	14,499	19,953	27,881	39,717	5.77	6.50	6.53	6.59	6.92	7.33	6.61	
		Sub-total	18,385	24,016	32,674	44,471	60,891	84,724	120,247	5.40	6.33	6.35	6.43	6.81	7.25	6.46	
		Other Area	45,214	59,478	81,297	111,464	153,627	215,282	308,015	5.64	6.45	6.52	6.63	6.98	7.43	6.60	
Total	63,599	83,494	113,971	155,935	214,518	300,006	428,262	598,262	5.59	6.42	6.48	6.59	6.94	7.38	6.56		
VII	Central Visayas	47,307	68,332	100,459	148,275	218,933	327,733	501,587	7.63	8.01	8.10	8.11	8.40	8.88	8.10		
VIII	Eastern Visayas	19,313	27,593	42,177	65,259	102,091	162,374	265,561	7.33	8.55	9.12	9.36	9.72	10.34	9.12		
IX	Southwestern Mindanao	27,508	35,353	46,688	62,696	85,779	120,651	175,655	5.15	5.72	6.07	6.47	7.06	7.80	6.38		
X	Northern Mindanao	Agusan	10,922	14,148	18,968	25,702	35,439	49,975	72,425	5.31	6.04	6.27	6.61	7.12	7.70	6.31	
		Tagulayan	3,562	4,910	6,949	9,930	14,338	21,069	31,735	6.63	7.19	7.40	7.63	8.00	8.54	7.56	
		Cagayan De Oro	3,408	4,695	6,641	9,452	13,678	20,082	30,224	6.62	7.18	7.38	7.60	7.98	8.52	7.55	
		Sub-total	17,892	23,753	32,557	45,114	63,455	91,127	134,384	5.83	6.51	6.74	7.06	7.51	8.08	6.95	
		Other Area	17,567	25,208	36,902	54,368	80,400	120,489	184,659	7.40	7.92	8.06	8.14	8.43	8.91	8.16	
Total	35,459	48,960	69,459	99,482	143,855	211,616	319,041	419,041	6.67	7.24	7.45	7.66	8.03	8.56	7.60		
XI	Southeastern Mindanao	Tagun-Libuganon	4,602	5,691	7,391	9,694	12,883	17,500	24,389	4.34	5.26	5.58	5.85	6.32	6.86	5.72	
		Buayan-Malungon	2,745	3,540	4,749	6,421	8,752	12,148	17,257	5.22	6.05	6.22	6.39	6.78	7.27	6.32	
		Davao	6,803	9,251	12,879	17,993	25,165	35,676	51,599	6.34	6.84	6.92	6.94	7.23	7.66	6.97	
		Sub-total	14,150	18,483	25,019	34,108	46,801	65,324	93,243	5.49	6.24	6.39	6.53	6.90	7.38	6.49	
		Other Area	36,331	48,109	65,313	89,598	124,250	176,105	256,957	3.78	6.31	6.53	6.76	7.22	7.85	6.74	
Total	50,481	66,592	90,332	123,706	171,051	241,429	350,200	450,200	5.70	6.29	6.49	6.70	7.13	7.72	6.67		
XII	Southern Mindanao	Mindanao	25,721	33,795	44,781	60,045	81,712	113,766	163,356	5.61	5.79	6.04	6.36	6.84	7.50	6.36	
		Agus	3,975	5,621	7,355	10,755	15,119	21,576	31,763	7.18	6.65	6.82	6.99	7.37	8.04	7.17	
		Sub-total	29,696	39,416	52,136	70,800	96,831	135,342	195,119	5.83	5.91	6.16	6.45	6.93	7.59	6.48	
		Other Area	4,435	5,722	7,674	10,377	14,145	19,632	27,888	5.22	6.05	6.22	6.39	6.78	7.27	6.32	
		Total	34,130	45,138	60,210	81,208	110,976	154,974	223,007	293,007	5.75	5.93	6.17	6.45	6.91	7.55	6.46
Grand Total			803,455	1,143,984	1,575,208	2,209,430	3,195,201	4,625,914	6,849,831	6.75	7.19	7.29	7.36	7.68	8.16	7.40	

**Table 4-18 RESULT OF GDP PROJECTION BY SECTOR (LOWER ECONOMIC GROWTH SCENARIO)
(AT CONSTANT 1985 PRICES)**

(Units: GDP: Million Pesos)

Annual Average Growth Rate (%)

Subsector	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	2000	2010	2015	2020	2025	1985-1990	1990-1995	1995-2000	2000-2010	2010-2015	2015-2020	2020-2025										
I. Agriculture																																		
I. Agriculture Industry																																		
a. Agriculture																																		
Crops	6,708	6,270	70,008	88,657	62,541	85,020	86,098	87,962	86,060	92,857	93,992	90,620	107,733	119,098	126,170	138,398	145,625	18,141	1.25	1.83	0.29	-1.16	2.28	3.57	0.28	2.76	2.18	1.48	1.29	1.02	0.48	1.58		
Livestock	10,972	12,335	13,730	14,832	16,334	16,854	17,101	17,195	17,996	18,838	19,830	21,146	23,135	26,648	30,117	32,360	34,799	84,712	8.96	3.31	1.23	0.79	4.06	4.79	5.20	6.59	4.41	4.05	3.34	3.24	2.87	2.31	2.44	
Poultry	6,271	7,022	7,595	9,000	11,082	12,215	12,626	13,999	14,806	15,255	16,036	17,040	19,090	21,083	23,017	24,796	26,528	39,827	15.52	5.62	3.96	10.87	6.19	2.62	5.25	11.27	2.81	3.65	2.95	2.85	2.48	1.93	3.09	
Agricultural activities & services	6,048	6,146	6,196	6,438	7,169	7,942	7,823	8,154	8,214	8,336	8,402	8,542	9,430	10,351	10,977	11,587	12,011	12,119	4.93	2.33	1.70	4.20	0.74	1.69	3.55	2.44	1.83	1.87	1.18	1.09	0.72	0.18	1.14	
Sub-total	104,499	104,240	107,335	115,447	121,466	122,651	126,234	127,010	130,736	133,206	137,619	144,424	162,201	184,877	203,880	224,135	242,263	255,499	3.25	2.20	0.94	2.93	3.50	1.71	4.98	4.00	4.50	5.00	5.00	5.80	5.80	2.08		
b. Forestry	27,038	29,246	30,920	24,581	24,928	30,263	32,093	32,325	33,195	33,853	32,316	31,419	32,996	34,106	35,011	35,960	36,075	26,191	1.82	3.95	1.17	1.34	3.08	-2.71	-1.17	0.92	0.72	0.53	0.38	0.22	0.21	0.78		
Subtotal	4,997	6,239	12,339	31,264	9,270	3,291	4,712	4,106	3,497	2,971	1,527	940	940	940	940	940	940	940	-45.84	-20.91	-33.30	-11.59	-16.46	-15.04	-48.64	-41.96	0.00	0.00	0.00	0.00	0.00	-1.78		
Subtotal	140,534	140,725	150,614	155,292	156,984	160,734	162,037	163,557	167,050	171,472	172,949	178,319	194,581	216,073	238,886	260,146	278,340	292,670	2.72	1.48	1.37	0.39	2.13	2.65	0.89	3.07	2.21	2.26	1.78	1.71	1.41	0.95	1.77	
II. Industry, Mining & Quarrying	11,893	12,313	11,232	11,704	11,269	10,970	11,485	11,371	10,703	11,306	11,224	11,805	15,740	17,532	18,807	19,291	19,529	19,152	0.54	-1.39	0.54	-2.89	0.75	0.66	-0.98	5.08	-1.50	1.46	5.76	2.20	1.29	0.51	0.25	1.81
Manufacturing	143,551	146,453	144,843	149,216	146,152	143,925	145,111	139,547	141,239	140,374	140,271	144,451	167,422	187,688	193,779	193,514	182,499	193,126	5.64	2.02	-0.44	-1.73	0.75	5.01	6.77	5.50	7.64	6.99	5.98	5.14	4.23	3.54	5.51	
Construction	29,037	28,547	31,242	33,215	39,674	41,858	35,265	36,261	36,344	41,774	44,492	49,342	73,027	111,545	167,623	241,998	334,459	447,251	7.59	1.20	-13.70	2.77	5.74	8.95	6.51	10.90	10.02	8.60	8.48	7.62	6.99	5.98	8.00	
Electricity, Gas & Water	15,782	15,451	15,811	17,797	18,796	18,674	19,452	19,641	20,255	23,091	26,050	27,998	40,769	51,613	60,919	86,428	106,615	129,064	3.44	6.89	4.70	0.65	2.92	13.05	13.00	7.40	9.87	4.82	5.95	5.11	4.20	3.51	5.44	
Subtotal	262,548	265,164	273,389	292,022	289,174	285,544	284,718	287,364	281,459	285,972	285,219	303,006	414,477	592,696	790,423	1,042,745	1,315,304	1,611,960	4.97	2.22	-2.67	-0.54	1.65	5.77	7.24	6.24	8.15	7.05	6.34	5.61	4.75	4.14	5.99	
III. Services																																		
I. Transportation, Communication and Storage	31,466	33,078	33,806	40,243	41,108	41,291	41,820	42,341	44,794	47,366	50,461	64,281	91,273	123,100	159,612	204,196	252,442	336,247	3.45	3.40	2.56	4.25	5.81	2.36	6.94	6.63	6.14	5.93	5.05	4.33	3.76	4.71		
Trade	42,535	49,517	49,074	95,180	102,729	107,428	108,162	109,780	112,479	116,921	123,430	130,143	163,516	215,213	277,023	343,151	418,682	499,317	5.34	2.82	0.53	1.65	2.46	3.95	5.37	5.45	5.87	5.66	5.17	4.37	4.03	3.26	4.71	
Finance	17,123	16,517	21,445	21,445	27,261	29,698	29,114	29,217	29,909	31,546	33,652	36,552	62,101	83,966	107,585	133,271	157,963	185,989	11.44	2.47	-2.65	0.55	2.37	5.47	7.31	13.80	12.64	6.76	4.56	4.45	3.27	3.27	5.83	
Ownership of Dwellings and Real Estate	32,132	33,205	34,259	36,091	39,093	40,146	40,242	40,534	41,269	42,473	43,763	45,570	51,510	59,440	67,031	75,273	84,098	93,410	4.55	1.24	0.24	0.73	1.81	2.92	3.04	4.13	3.11	2.91	2.43	1.65	1.14	0.21	1.94	
Private Services	36,121	40,120	42,091	43,801	47,454	49,553	49,217	49,551	50,964	53,139	55,461	58,229	65,396	74,972	84,156	93,296	102,625	112,126	4.76	2.36	-0.16	0.96	2.89	4.27	4.33	4.99	4.11	3.90	3.62	2.63	2.14	1.31	2.95	
Government Services	27,694	28,700	29,712	32,322	33,459	36,493	37,014	36,662	36,514	41,248	42,641	44,801	61,279	78,207	99,830	129,270	170,281	219,546	5.46	2.88	1.48	0.24	2.78	5.46	3.01	3.00	3.50	4.40	4.96	4.07	3.39	3.05	4.04	
Sub-total	200,781	205,574	213,120	221,237	230,319	234,408	236,367	237,944	245,644	249,646	252,522	263,946	304,591	398,706	519,406	650,674	800,699	979,599	5.69	2.50	0.15	1.02	2.89	4.23	4.93	6.00	5.92	5.31	4.72	4.15	3.63	3.34	4.54	
Total	571,003	591,423	616,923	636,581	659,444	670,690	676,522	678,941	684,156	689,481	693,872	700,998	799,492	1,069,949	1,392,227	1,760,192	2,221,921	2,760,192	2.70	-0.96	0.34	2.12	4.40	4.83	5.45	6.00	5.80	4.80	4.50	4.00	3.80	3.80	4.70	

Data Source: The figures during the period from 1985 to 1995: Philippine Statistical Yearbook, 1996

Table 4-19 FRAMEWORK FOR MAJOR AGRICULTURAL COMMODITIES IN TERMS OF GDP AND PRODUCTION (LOWER ECONOMIC GROWTH SCENARIO) (I)

Major Commodities	Items	Unit	1995	2000	2005	2010	2015	2020	2025	
Rice	Population	[A]	1,000 person	68,614	76,320	84,214	91,851	99,008	105,503	111,473
	Per Capita Consumption	[B]	kg/year	92.2	94.6	98.5	101.5	103.5	105.1	106.1
	Utilization									
	Total Consumption (Ton/year) [A]x[B]	[C]	1,000 ton/year	6,327	7,222	8,293	9,320	10,240	11,056	11,811
	Other Utilization									
	a. Export	[D]	1,000 ton/year	0	0	0	0	0	0	0
	b. Seeds	[E]	1,000 ton/year	184	265	390	411	475	493	502
	c. Feeds & Waste	[F]	1,000 ton/year	448	645	948	1,071	1,154	1,198	1,221
	d. Processing	[G]	1,000 ton/year	276	397	583	659	710	737	751
	Total Utilization: [C]-(D)+(E)+(F)+(G)	[H]	1,000 ton/year	7,235	8,529	10,215	11,491	12,588	13,515	14,305
	Import	[I]	1,000 ton/year	268	356	351	395	414	470	501
	GDP (Framework)	[J]	mill. pesos/year	28,150	40,571	50,655	67,431	72,603	75,395	76,791
	Conversion Factor of GDP to Production	[K]	kg peso	0.245	0.245	0.245	0.245	0.245	0.245	0.245
	Converted Production (Framework)	[L]	1,000 ton/year	6,894	9,921	14,589	16,477	17,754	18,437	18,778
	Ratio of Production to Consumption: [L]/[C]x100	%		109.0	137.4	175.9	176.8	173.2	166.3	158.7
Ratio of Production to Total Utilization: [L]/[H]x100	%		95.3	116.3	142.8	143.4	141.0	136.4	131.3	
Self-Sufficiency Ratio: ([L]/[I]+[D]+[H])x100	%		96.3	96.3	97.6	97.7	97.6	97.5	97.4	
Per Capita Consumption	[B]	kg/year	15.7	15.8	15.9	16.0	16.0	16.1	16.2	
Corn	Utilization									
	Total Consumption (Ton/year) [A]x[B]	[C]	1,000 ton/year	1,078	1,205	1,337	1,465	1,587	1,700	1,805
	Other Utilization									
	a. Export	[D]	1,000 ton/year	206	212	212	225	229	217	219
	b. Seeds	[E]	1,000 ton/year	54	56	56	59	60	62	63
	c. Feeds & Waste	[F]	1,000 ton/year	2,883	2,973	2,973	3,155	3,199	3,318	3,348
	d. Processing	[G]	1,000 ton/year	554	565	568	602	611	634	639
	Total Utilization: [C]-(D)+(E)+(F)+(G)	[H]	1,000 ton/year	4,722	5,013	5,146	5,506	5,685	5,950	6,095
	Import	[I]	1,000 ton/year	0.09	0.10	0.11	0.12	0.13	0.14	0.15
	GDP (Framework)	[J]	mill. pesos/year	9,837	10,141	10,441	10,762	10,913	11,119	11,423
	Conversion Factor of GDP to Production	[K]	kg peso	0.420	0.420	0.420	0.420	0.420	0.420	0.420
	Converted Production (Framework)	[L]	1,000 ton/year	4,129	4,256	4,257	4,517	4,580	4,750	4,794
	Ratio of Production to Consumption: [L]/[C]x100	%		382.9	353.1	318.5	308.3	288.6	279.5	265.6
	Ratio of Production to Total Utilization: [L]/[H]x100	%		86.5	84.9	82.7	82.0	80.6	79.5	78.7
	Self-Sufficiency Ratio: ([L]/[I]+[D]+[H])x100	%		105.2	105.2	105.2	105.2	105.2	105.2	105.2
Per Capita Consumption	[B]	kg/year	8.5	8.9	9.4	9.9	10.4	10.9	11.5	
Coconut	Utilization									
	Total Consumption (Ton/year) [A]x[B]	[C]	1,000 ton/year	584	683	792	907	1,028	1,151	1,279
	Other Utilization									
	a. Export	[D]	1,000 ton/year	3.1	3.1	3.1	3.2	3.3	3.5	3.6
	b. Seeds	[E]	1,000 ton/year	117	116	116	120	124	131	135
	c. Feeds & Waste	[F]	1,000 ton/year	6,317	6,267	6,270	6,494	6,715	7,069	7,310
	d. Processing	[G]	1,000 ton/year	4,880	4,842	4,814	5,017	5,188	5,361	5,648
	Total Utilization: [C]-(D)+(E)+(F)+(G)	[H]	1,000 ton/year	11,901	11,911	12,024	12,542	13,060	13,816	14,376
	Import	[I]	1,000 ton/year	0	0.0	0.0	0.0	0.0	0.0	0.0
	GDP (Framework)	[J]	mill. pesos/year	7,380	7,322	7,325	7,587	7,846	8,259	8,541
	Conversion Factor of GDP to Production	[K]	kg peso	1.585	1.585	1.585	1.585	1.585	1.585	1.585
	Converted Production (Framework)	[L]	1,000 ton/year	11,701	11,609	11,614	12,029	12,440	13,094	13,542
	Ratio of Production to Consumption: [L]/[C]x100	%		2,004	1,701	1,467	1,326	1,210	1,137	1,059
	Ratio of Production to Total Utilization: [L]/[H]x100	%		98.3	97.5	96.6	95.9	95.3	94.8	94.2
	Self-Sufficiency Ratio: ([L]/[I]+[D]+[H])x100	%		100.0	100.0	100.0	100.0	100.0	100.0	100.0
Per Capita Consumption	[B]	kg/year	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
Sugarcane	Utilization									
	Total Consumption (Ton/year) [A]x[B]	[C]	1,000 ton/year	175	196	217	238	258	276	294
	Other Utilization									
	a. Export	[D]	1,000 ton/year	0.004	0.005	0.005	0.005	0.005	0.006	0.006
	b. Seeds	[E]	1,000 ton/year	0	0	0	0	0	0	0
	c. Feeds & Waste	[F]	1,000 ton/year	0	0	0	0	0	0	0
	d. Processing	[G]	1,000 ton/year	47,389	21,201	21,407	22,174	23,499	24,977	25,833
	Total Utilization: [C]-(D)+(E)+(F)+(G)	[H]	1,000 ton/year	17,584	21,297	21,624	22,413	23,757	25,254	26,125
	Import	[I]	1,000 ton/year	0	0	0	0	0	0	0
	GDP (Framework)	[J]	mill. pesos/year	3,964	4,833	4,880	5,055	5,357	5,694	5,859
	Conversion Factor of GDP to Production	[K]	kg peso	4.436	4.436	4.436	4.436	4.436	4.436	4.436
	Converted Production (Framework)	[L]	1,000 ton/year	17,584	21,439	21,647	22,424	23,763	25,258	26,123
	Ratio of Production to Consumption: [L]/[C]x100	%		10,029	10,939	9,960	9,412	9,207	9,133	8,900
	Ratio of Production to Total Utilization: [L]/[H]x100	%		100.1	100.2	100.1	100.0	100.0	100.0	100.0
	Self-Sufficiency Ratio: ([L]/[I]+[D]+[H])x100	%		100.0	100.0	100.0	100.0	100.0	100.0	100.0

Data Sources: 1. "Supply and Utilization Accounts of Selected Agricultural Commodities" 1992-1995, Agricultural Accounts and Statistical Indicators Division, Bureau of Agricultural Statistics, Department of Agriculture, December 1996.
2. "Selected Indicators of Food Situation in the Philippines", Bureau of Agricultural Statistics, April 1995.

Table 4-20 FRAMEWORK FOR MAJOR AGRICULTURAL COMMODITIES IN TERMS OF GDP AND PRODUCTION (LOWER ECONOMIC GROWTH SCENARIO) (2)

Major Commodities	Item	Unit	1995	2000	2005	2010	2015	2020	2025	
Banana	Population	[A]	1,000 person	68,614	76,320	84,214	91,851	99,068	105,503	111,473
	Per Capita Consumption	[B]	kg/year	20.4	20.6	20.7	20.8	20.9	21.0	21.1
	Utilization									
	Total Consumption (Ton/year) [A]x[B]	[C]	1,000 ton/year	1,403	1,569	1,741	1,908	2,067	2,213	2,350
	Other Utilization									
	a. Export	[D]	1,000 ton/year	1,110	1,068	1,073	1,074	1,166	1,258	1,304
	b. Seeds & Waste	[E]	1,000 ton/year	184	177	178	178	194	200	216
	c. Processing	[F]	1,000 ton/year	418	431	433	434	471	508	525
	d. Processing	[G]	1,000 ton/year	276	265	266	267	290	312	323
	Total Utilization: [C]-(D)-(E)-(F)-(G)	[H]	1,000 ton/year	2,311	3,511	3,691	3,861	4,187	4,501	4,716
	Import	[I]	1,000 ton/year	0	0	0	0	0	0	0
	GDP (Framework)	[J]	mill. pesos/year	2,062	2,840	2,862	2,866	3,112	3,357	3,472
	Conversion Factor of GDP to Production	[K]	kg peso	1,062	1,062	1,062	1,062	1,062	1,062	1,062
	Converted Production (Framework)	[L]	1,000 ton/year	3,145	3,025	3,038	3,043	3,304	3,564	3,656
Ratio of Production to Consumption: [L]/[C]x100	%	%	224.1	192.7	174.6	159.5	159.9	161.0	156.8	
Ratio of Production to Total Utilization: [L]/[H]x100	%	%	136.1	86.2	82.3	78.8	78.9	79.2	78.2	
Self-Sufficiency Ratio: ([L]-[I]-[D]-[E]-[F])x100	%	%	154.6	154.6	154.6	154.6	154.6	154.6	154.6	
Livestock	Population	[A]	1,000 person	68,614	76,320	84,214	91,851	99,068	105,503	111,473
	Per Capita Consumption	[B]	kg/year	17.2	19.0	20.8	22.5	24.1	25.6	27.2
	Utilization									
	Total Consumption (Ton/year) [A]x[B]	[C]	1,000 ton/year	1,182	1,451	1,751	2,063	2,389	2,702	3,030
	Other Utilization									
	a. Export	[D]	1,000 ton/year	0	0	0	0	0	0	0
	b. Feeds & Waste	[E]	1,000 ton/year	0	0	0	0	0	0	0
	c. Processing	[F]	1,000 ton/year	27	35	47	62	85	118	167
	Total Utilization: [C]-(D)-(E)-(F)-(G)	[G]	1,000 ton/year	1,209	1,487	1,798	2,130	2,474	2,821	3,197
	Import	[H]	1,000 ton/year	45.1	55.4	66.8	78.9	91.2	103.1	115.6
	GDP (Framework)	[I]	mill. pesos/year	19,830	26,131	34,916	46,406	63,116	88,153	124,285
	Conversion Factor of GDP to Production	[J]	kg peso	0.061	0.061	0.061	0.061	0.061	0.061	0.061
	Converted Production (Framework)	[K]	1,000 ton/year	1,211	1,598	2,131	2,838	3,864	5,380	7,585
	Ratio of Production to Consumption: [K]/[C]x100	%	%	102.4	110.1	121.7	137.3	161.7	199.1	250.4
Ratio of Production to Total Utilization: [K]/[G]x100	%	%	100.2	107.5	118.5	133.2	156.2	190.7	237.3	
Self-Sufficiency Ratio: ([K]-[I]-[D]-[E]-[F])x100	%	%	96.4	96.6	97.0	97.3	97.7	98.1	98.5	
Per Capita Consumption	[B]	kg/year	7.9	8.5	9.2	9.8	10.5	11.3	12.1	
Poultry	Utilization									
	Total Consumption (Ton/year) [A]x[B]	[C]	1,000 ton/year	544	652	771	902	1,042	1,190	1,348
	Other Utilization									
	a. Export	[D]	1,000 ton/year	0	0	0	0	0	0	0
	b. Egg Hatched	[E]	1,000 ton/year	14	18	24	31	41	56	78
	c. Processing	[F]	1,000 ton/year	5	6	8	11	15	20	28
	Total Utilization: [C]-(D)-(E)-(F)-(G)	[G]	1,000 ton/year	563	676	803	914	1,098	1,267	1,453
	Import	[H]	1,000 ton/year	0.5	0.7	0.8	0.9	1.0	1.2	1.36
	GDP (Framework)	[I]	mill. pesos/year	16,056	20,791	27,200	35,554	47,568	64,903	89,791
	Conversion Factor of GDP to Production	[J]	kg peso	0.036	0.036	0.036	0.036	0.036	0.036	0.036
	Converted Production (Framework)	[K]	1,000 ton/year	585	758	992	1,296	1,742	2,366	3,273
	Ratio of Production to Consumption: [K]/[C]x100	%	%	107.6	116.2	128.6	143.7	166.2	198.8	242.9
	Ratio of Production to Total Utilization: [K]/[G]x100	%	%	104.0	112.0	123.5	137.4	157.7	186.8	225.2
	Self-Sufficiency Ratio: ([K]-[I]-[D]-[E]-[F])x100	%	%	99.9	99.9	99.9	99.9	99.9	99.9	100.0
Per Capita Consumption	[B]	kg/year	23.1	23.2	23.3	23.4	23.6	23.7	23.8	
Fishery	Utilization									
	Total Consumption (Ton/year) [A]x[B]	[C]	1,000 ton/year	1,584	1,771	1,964	2,153	2,332	2,498	2,651
	Other Utilization									
	a. Export	[D]	1,000 ton/year	172	167	178	186	193	195	215
	b. Feeds & Waste	[E]	1,000 ton/year	124	120	128	134	138	140	154
	c. Processing	[F]	1,000 ton/year	1,128	1,686	1,162	1,214	1,258	1,273	1,402
	Total Utilization: [C]-(D)-(E)-(F)-(G)	[G]	1,000 ton/year	3,004	3,143	3,433	3,657	3,922	4,166	4,422
	Import	[H]	1,000 ton/year	262	253	271	283	294	297	327
	GDP (Framework)	[I]	mill. pesos/year	33,853	32,730	33,026	36,590	37,915	38,366	42,237
	Conversion Factor of GDP to Production	[J]	kg peso	0.137	0.137	0.137	0.137	0.137	0.137	0.137
	Converted Production (Framework)	[K]	1,000 ton/year	4,631	4,477	4,791	5,005	5,187	5,248	5,775
	Ratio of Production to Consumption: [K]/[C]x100	%	%	292.7	252.8	243.9	232.5	222.4	210.1	218.0
	Ratio of Production to Total Utilization: [K]/[G]x100	%	%	154.2	142.4	139.6	135.7	132.2	127.8	130.7
	Self-Sufficiency Ratio: ([K]-[I]-[D]-[E]-[F])x100	%	%	93.1	95.1	95.1	95.1	95.1	95.1	95.1

Data Sources: 1. "Supply and Utilization Accounts of Selected Agricultural Commodities" 1992-1995, Agricultural Accounts and Statistical Indicators Division, Bureau of Agricultural Statistics, Department of Agriculture, December 1996.
2. "Selected Indicators of Food Situation in the Philippines", Bureau of Agricultural Statistics, April 1995.

Table 4-21 RESULT OF PROJECTION FOR GRDP BY REGION IN LOW ECONOMIC GROWTH SCENARIO
(AT CONSTANT 1985 PRICES)

No.	Region	Annual Average Growth Rate (%)																		
		1995-1996		1996-2000		2000-2005		2005-2010		2010-2015		2015-2020		2020-2025		2025-2030		2030-2035		
		1995	1996	2000	2005	2010	2015	2020	2025	(1995-1996)	(1996-2000)	(2000-2005)	(2005-2010)	(2010-2015)	(2015-2020)	(2020-2025)	(2025-2030)	(2030-2035)	(2035-2040)	
NCR	240,121	254,649	326,835	431,744	554,180	690,090	838,015	992,538	1,161,015	1,344,543	1,544,126	1,759,765	2,001,468	2,269,243	2,563,000	2,882,749	3,228,503	3,600,262	3,998,026	4,411,804
CAR	16,782	17,699	22,420	29,468	37,667	46,894	56,863	67,343	78,343	89,873	101,933	114,613	127,913	141,833	156,383	171,563	187,383	203,843	220,943	238,683
I	24,021	26,004	33,057	42,157	52,593	64,740	78,162	92,205	106,853	122,103	137,953	154,403	171,453	189,103	207,353	226,203	245,653	265,703	286,353	307,603
II	16,485	17,699	23,380	30,690	37,655	46,580	56,415	66,562	77,022	87,787	98,857	110,232	121,912	133,892	146,172	158,752	171,632	184,812	198,292	212,072
III	78,383	82,324	103,435	135,187	172,371	214,885	259,725	306,992	356,722	409,912	466,512	526,522	589,942	656,762	726,982	800,602	877,622	958,042	1,041,762	1,128,782
IV	126,303	132,107	171,137	229,971	301,322	388,610	476,772	575,454	685,664	807,414	941,704	1,088,534	1,248,804	1,422,514	1,610,264	1,812,054	2,027,884	2,257,754	2,501,664	2,759,614
V	23,520	24,042	29,070	36,053	43,851	52,431	61,601	70,912	80,362	90,042	100,042	110,362	120,992	131,932	143,182	154,742	166,612	178,792	191,292	204,112
VI	58,227	59,618	73,115	92,061	113,151	136,313	161,067	188,129	217,407	248,807	282,327	317,967	355,727	395,607	437,607	481,727	527,967	576,327	626,807	679,407
VII	52,060	57,167	72,627	92,673	116,308	143,548	174,308	208,588	246,408	286,768	329,708	375,228	423,328	473,008	524,268	577,108	631,528	688,528	748,108	809,268
VIII	19,374	20,941	26,352	34,673	45,752	59,684	76,488	95,136	115,640	138,004	162,224	188,304	216,244	246,044	277,704	311,224	347,604	385,824	425,904	467,844
IX	21,599	22,370	25,781	30,712	36,278	42,429	49,044	55,840	62,916	70,264	77,884	85,776	93,940	102,376	111,084	120,064	129,316	138,840	148,636	158,696
X	41,758	44,179	55,350	72,201	92,188	115,416	141,174	168,575	197,600	228,260	260,560	294,500	330,080	367,320	406,240	446,840	489,120	533,080	578,640	625,800
XI	54,200	55,989	67,553	84,342	103,542	124,872	147,940	171,873	197,680	225,360	254,900	286,300	319,560	354,680	391,680	430,560	471,320	513,960	558,480	604,800
XII	22,052	23,895	27,984	34,201	41,203	48,798	56,716	64,724	72,832	81,040	89,448	98,056	106,864	115,872	125,080	134,488	144,096	153,904	163,912	174,120
ARMM	7,985	8,579	11,547	15,318	20,075	26,163	33,439	41,789	50,213	58,813	67,589	76,541	85,769	95,261	105,017	114,941	125,033	135,293	145,721	156,317
Muslim Mindanao	803,450	847,262	1,069,649	1,397,988	1,784,227	2,223,471	2,705,192	3,212,920	3,751,142	4,320,860	4,922,078	5,555,796	6,221,114	6,918,542	7,648,080	8,409,728	9,193,486	10,000,254	10,830,022	11,682,790
Total	803,450	847,262	1,069,649	1,397,988	1,784,227	2,223,471	2,705,192	3,212,920	3,751,142	4,320,860	4,922,078	5,555,796	6,221,114	6,918,542	7,648,080	8,409,728	9,193,486	10,000,254	10,830,022	11,682,790

Data Source: The figures as of 1995 and 1996 were referred from Philippine Statistical Yearbook, 1997, NSCB

Table 4-22 RESULT OF PROJECTION FOR GRDP PER CAPITA BY REGION IN LOW ECONOMIC GROWTH SCENARIO
(AT CONSTANT 1985 PRICES)

No.	Region	Annual Average Growth Rate (%)																		
		1995-1996		1996-2000		2000-2005		2005-2010		2010-2015		2015-2020		2020-2025		2025-2030		2030-2035		
		1995	1996	2000	2005	2010	2015	2020	2025	(1995-1996)	(1996-2000)	(2000-2005)	(2005-2010)	(2010-2015)	(2015-2020)	(2020-2025)	(2025-2030)	(2030-2035)		
NCR	25,399	31,410	38,243	46,103	54,812	64,360	74,324	84,703	95,507	106,737	118,393	130,465	142,953	155,857	169,177	182,913	197,065	211,633	226,617	242,017
CAR	13,346	16,015	18,973	22,137	25,528	29,036	32,549	36,068	39,587	43,106	46,625	50,144	53,663	57,182	60,701	64,220	67,739	71,258	74,777	78,296
I	6,316	7,984	9,406	10,952	12,729	14,609	16,668	18,668	20,668	22,668	24,668	26,668	28,668	30,668	32,668	34,668	36,668	38,668	40,668	42,668
II	6,500	8,312	9,748	11,270	13,082	15,079	17,087	19,095	21,103	23,111	25,119	27,127	29,135	31,143	33,151	35,159	37,167	39,175	41,183	43,191
III	11,306	13,456	16,043	18,939	22,130	25,479	28,880	32,341	35,802	39,263	42,724	46,185	49,646	53,107	56,568	60,029	63,490	66,951	70,412	73,873
IV	12,704	15,143	17,952	20,865	23,694	26,406	28,913	31,420	33,927	36,434	38,941	41,448	43,955	46,462	48,969	51,476	53,983	56,490	58,997	61,504
V	5,437	6,112	6,980	7,886	8,856	9,887	10,912	11,937	12,962	13,987	15,012	16,037	17,062	18,087	19,112	20,137	21,162	22,187	23,212	24,237
VI	10,079	11,561	13,372	15,247	17,242	19,340	21,408	23,496	25,564	27,632	29,699	31,767	33,835	35,903	37,971	39,999	41,999	43,999	45,999	47,999
VII	10,507	13,111	16,118	19,552	23,346	27,481	31,809	36,328	40,947	45,666	50,385	55,104	59,823	64,542	69,261	73,980	78,699	83,418	88,137	92,856
VIII	5,756	7,039	8,573	10,368	12,451	14,808	17,389	20,146	22,969	25,808	28,657	31,506	34,355	37,204	40,053	42,902	45,751	48,600	51,449	54,298
IX	7,728	8,179	8,718	9,343	10,063	10,856	11,639	12,412	13,185	13,958	14,731	15,504	16,277	17,050	17,823	18,596	19,369	20,142	20,915	21,688
X	10,561	12,461	14,570	16,868	19,392	22,059	24,719	27,421	30,163	32,945	35,767	38,629	41,531	44,473	47,455	50,377	53,339	56,341	59,383	62,465
XI	10,682	11,749	13,063	14,488	16,034	17,667	19,259	20,892	22,525	24,158	25,791	27,424	29,057	30,690	32,323	33,956	35,589	37,222	38,855	40,488
XII	9,344	10,519	11,509	12,611	13,827	15,087	16,309	17,581	18,803	20,025	21,247	22,469	23,691	24,913	26,135	27,357	28,579	29,801	31,023	32,245
ARMM	3,941	5,234	6,358	7,666	9,393	11,406	13,665	16,165	18,904	21,883	24,902	28,061	31,360	34,799	38,278	41,797	45,356	48,955	52,594	56,273
Muslim Mindanao	11,710	15,015	18,600	22,425	26,458	30,641	34,824	39,007	43,190	47,373	51,556	55,739	59,922	64,105	68,288	72,471	76,654	80,837	85,020	89,203
Total	11,710	15,015	18,600	22,425	26,458	30,641	34,824	39,007	43,190	47,373	51,556	55,739	59,922	64,105	68,288	72,471	76,654	80,837	85,020	89,203

Data Source: The figures as of 1995 and 1996 were referred from Philippine Statistical Yearbook, 1997, NSCB

**Table 4-23 RESULT OF PROJECTION FOR GVA IN ALL SECTORS BY WATER RESOURCE REGION AND RIVER BASIN
(LOWER ECONOMIC GROWTH SCENARIO) (AT CONSTANT 1985 PRICES)**

No.	Water Resources	River Basin	(Unit of GVA : Million Pesos)													
			1995	2000	2005	2010	2015	2020	2025	Annual Average Growth Ratio(%)						
										1995- 2000	2000- 2005	2005- 2010	2010- 2015	2015- 2020	2020- 2025	1995- 2025
Region																
I	Ilocos	Abra	3,630	4,809	6,173	7,744	9,558	11,590	13,804	5.84	5.12	4.64	4.30	3.93	3.56	4.56
		Ilocos	2,164	2,952	3,663	4,456	5,392	6,450	7,590	6.40	4.41	4.00	3.89	3.65	3.31	4.27
		Sub-total	5,784	7,761	9,836	12,200	14,950	18,040	21,394	6.05	4.85	4.40	4.15	3.83	3.47	4.46
		Other Area	13,250	18,064	23,188	29,308	35,919	43,467	51,584	6.39	5.12	4.65	4.29	3.89	3.48	4.63
		Total	19,034	25,825	33,024	41,508	50,869	61,507	72,978	6.29	5.04	4.58	4.25	3.87	3.48	4.58
II	Cagayan Valley	Cagayan	15,464	21,754	28,253	36,033	45,708	57,339	70,967	7.06	5.37	4.99	4.87	4.64	4.36	5.21
		Abulug	1,322	2,313	2,683	3,777	4,737	5,868	7,169	6.08	5.23	4.82	4.63	4.38	4.08	4.87
		Sub-total	17,187	24,067	31,238	39,810	50,444	63,208	78,135	6.97	5.35	4.97	4.85	4.61	4.33	5.18
		Other Area	4,194	5,691	7,368	9,333	11,759	14,594	17,854	6.29	5.30	4.89	4.69	4.41	4.11	4.65
		Total	21,381	29,758	38,606	49,142	62,204	77,802	95,989	6.84	5.34	4.95	4.82	4.58	4.29	5.13
III	Central Luzon	Pampanga	54,161	72,388	95,319	122,138	152,032	183,530	215,114	5.97	5.66	5.08	4.48	3.84	3.23	4.70
		Agno	17,419	23,366	30,349	38,350	47,994	58,402	69,568	6.65	5.37	4.90	4.49	4.01	3.56	4.72
		Sub-total	71,581	95,753	125,668	160,688	200,017	241,932	284,681	5.99	5.59	5.04	4.48	3.88	3.31	4.71
		Other Area	26,673	34,621	44,325	55,546	68,371	82,352	96,940	5.35	5.07	4.62	4.24	3.79	3.32	4.40
		Total	98,254	130,375	169,993	216,234	268,388	324,284	381,621	5.82	5.45	4.93	4.47	3.86	3.31	4.63
IV	Southern Tagalog	Pasig Languna Bay	284,459	369,722	518,236	668,769	835,585	1,014,305	1,196,432	6.50	5.87	5.23	4.55	3.95	3.36	4.90
		Amnay Patrick	2,800	3,413	4,145	4,925	5,798	6,725	7,641	3.60	3.96	3.51	3.32	3.01	2.59	3.33
		Sub-total	287,318	393,135	522,381	673,693	841,382	1,021,030	1,204,073	6.47	5.85	5.22	4.55	3.95	3.35	4.69
		Other Area	76,092	100,969	133,984	173,913	220,848	273,266	329,297	5.82	5.82	5.36	4.59	4.35	3.83	5.61
		Total	363,410	494,103	656,364	847,607	1,062,230	1,294,296	1,533,370	6.34	5.84	5.25	4.62	4.03	3.45	4.92
V	Bicol	Bicol	6,395	7,911	9,846	11,919	14,122	16,322	18,487	4.43	4.39	3.89	3.45	3.00	2.46	3.60
		Other Area	17,125	21,119	26,055	31,418	37,129	42,927	48,348	4.28	4.29	3.81	3.40	2.94	2.41	3.52
		Total	23,520	29,030	35,901	43,336	51,251	59,299	66,835	4.32	4.32	3.84	3.41	2.96	2.42	3.54
VI	Western Visaya	Panay	5,475	6,711	8,300	10,069	11,839	13,701	15,411	4.14	4.34	3.82	3.41	2.96	2.42	3.51
		Ilog-Hilabangan	7,079	8,943	11,279	13,860	16,641	19,534	22,329	4.79	4.75	4.21	3.72	3.26	2.71	3.90
		Jalaur	5,828	7,407	9,373	11,547	13,880	16,301	18,629	4.91	4.82	4.26	3.75	3.27	2.71	3.95
		Sub-total	18,382	23,060	28,952	35,416	42,360	49,536	56,902	4.64	4.66	4.11	3.65	3.18	2.63	3.81
		Other Area	45,214	57,110	72,105	88,768	106,872	125,870	144,475	4.78	4.77	4.25	3.78	3.33	2.80	3.95
		Total	63,596	80,170	101,057	124,184	149,232	175,407	200,877	4.74	4.74	4.21	3.74	3.28	2.75	3.91
VII	Central Visayas	47,307	65,612	89,100	118,082	152,303	191,621	235,270	6.76	6.31	5.79	5.22	4.70	4.19	5.49	
VIII	Eastern Visayas	19,373	26,500	37,408	51,971	71,023	94,936	124,561	6.47	7.14	6.80	6.45	5.98	5.58	6.40	
IX	Southern Mindanao	27,505	33,946	41,409	49,929	59,673	70,545	82,392	4.30	4.05	3.81	3.63	3.40	3.15	3.72	
X	Northern Mindanao	Agusan	10,922	13,585	16,823	20,469	24,653	29,220	33,971	4.46	4.37	4.00	3.79	3.46	3.06	3.85
		Tagoloan	3,562	4,714	6,163	7,968	9,975	12,319	14,855	5.76	5.51	5.11	4.75	4.31	3.96	4.58
		Cagayan De Oro	3,408	4,508	5,500	7,551	9,515	11,741	14,177	5.76	5.49	5.09	4.73	4.29	3.84	4.87
		Sub-total	17,892	22,807	28,876	35,927	44,143	53,280	63,033	4.97	4.83	4.47	4.20	3.83	3.42	4.29
		Other Area	17,567	24,204	32,729	43,297	55,931	70,447	86,615	6.62	6.22	5.76	5.25	4.72	4.22	5.46
Total	35,459	47,011	61,605	79,225	100,074	123,727	149,648	5.80	5.56	5.16	4.78	4.33	3.88	4.92		
XI	Southeastern Mindanao	Tagum-Lubaganon	4,602	5,465	6,555	7,720	9,062	10,232	11,439	3.50	3.70	3.33	3.03	2.69	2.26	3.08
		Buayan-Malungon	2,745	3,400	4,212	5,114	6,089	7,103	8,094	4.37	4.38	3.95	3.55	3.13	2.65	3.67
		Davao	6,803	8,883	11,423	14,329	17,508	20,859	24,203	5.48	5.16	4.64	4.09	3.56	3.02	4.22
		Sub-total	14,150	17,747	22,190	27,163	32,559	38,194	43,736	4.63	4.57	4.13	3.69	3.24	2.75	3.83
		Other Area	36,331	46,194	57,928	71,254	86,464	102,965	120,540	4.92	4.63	4.26	3.92	3.55	3.20	4.08
Total	50,481	63,941	80,118	98,417	119,023	141,158	164,276	4.84	4.61	4.22	3.85	3.47	3.08	4.01		
XII	Southern Mindanao	Mindanao	25,721	32,483	39,718	47,819	56,841	66,516	76,622	4.76	4.12	3.78	3.52	3.19	2.87	3.71
		Agus	3,975	5,397	6,878	8,589	10,517	12,615	14,898	6.31	4.97	4.54	4.13	3.70	3.38	4.50
		Sub-total	29,696	37,880	46,596	56,408	67,358	79,131	91,521	4.97	4.25	3.90	3.61	3.27	2.95	3.82
		Other Area	4,435	5,494	6,897	8,264	9,840	11,479	13,691	4.37	4.38	3.95	3.55	3.13	2.65	3.67
Total	34,130	43,374	53,493	64,672	77,201	90,610	104,602	4.90	4.26	3.90	3.61	3.25	2.91	3.80		
Grand Total			803,455	1,060,639	1,397,988	1,784,227	2,223,471	2,705,192	3,212,919	5.89	5.50	5.00	4.50	4.00	3.50	4.73

Table 4-24 WATER USE (MWSS)

Year	Pop. under MWSS (x 1,000)	Domestic					Commercial					Industrial					Grand Total				
		Volume Sold (mld)	Lpcd	Pop. with House Connec. (x 1,000)	%	Pop. with Public Faucets (x 1,000)	% Water (x 1,000)	Volume Sold (mld)	Lpcd	Pop. Served (x 1,000)	%	Volume Sold (mld)	Lpcd	Pop. Served (x 1,000)	%	Volume Sold (mld)	Lpcd	Pop. Served (x 1,000)	%		
1985	7,968	503	136	3,050	38	460	6	3,510	44	287	36	218	3	41	5	10	0.2	831	3,738	47	177
1986	8,223	536	150	3,580	44	470	6	4,050	49	276	34	215	3	40	5	10	0.2	851	4,275	52	189
1987	8,491	599	151	3,970	48	500	6	4,470	54	279	33	214	3	45	5	10	0.2	922	4,694	56	189
1988	8,774	619	150	4,160	47	550	6	4,710	54	309	35	269	3	57	6	30	0.4	985	5,009	57	191
1989	9,070	646	147	4,450	49	600	7	5,050	56	314	35	336	4	69	8	50	0.5	1,050	5,436	60	190
1990	9,383	671	138	4,850	52	650	7	5,500	59	312	33	348	4	69	8	50	0.5	1,052	5,898	63	179
1991	9,616	694	134	5,170	54	680	7	5,850	61	296	31	360	4	69	7	50	0.5	1,059	6,260	65	172
1992	9,854	701	134	5,470	56	710	7	6,180	63	281	28	372	4	67	7	50	0.6	1,049	6,602	67	169
1993	10,099	731	126	5,780	57	740	7	6,520	65	290	29	378	4	67	7	60	0.6	1,088	6,958	69	162
1994	10,350	770	127	6,050	59	800	8	6,850	66	306	29	388	4	71	7	60	0.6	1,148	7,298	71	163
1995	11,426	800	127	6,270	55	830	7	7,100	62	300	26	393	3	69	6	60	0.6	1,169	7,553	66	159
1996	11,906	811	126	6,460	54	840	7	7,300	61	310	26	399	3	73	6	70	0.6	1,194	7,769	65	158

Data Source: MWSS

Table 4-25 UNIT WATER CONSUMPTION (MWSS)

(Unit: Lpcd)

Year	Domestic	Commercial	Industrial	Sub-total	Revenued Water	Non Revenued Water	Total
1995	127	26	6	159	44%	56%	361
2000	148	30	7	185	50%	50%	370
2005	161	32	8	201	55%	45%	366
2010	173	35	9	217	60%	40%	362
2015	186	37	9	232	65%	35%	357
2020	196	39	10	245	70%	30%	350
2025	206	41	10	258	70%	30%	368

Data Source: MWSS (For the year of 1995). Study on Water Supply and Sewerage Master Plan of Metro Manila in the Republic of the Philippines (for the year of 2000-2015)

Note: Unit water consumptions for 2020-2025 were projected on the basis of trend described in the Master Plan. Non-Revenued water ratio was modified referring to the present condition.

Table 4-26 UNIT WATER CONSUMPTION FOR WATER DISTRICTS

Group	Item	1990	1995	2000	2005	2010	2015	2020	2025
1	Domestic use	155	165	175	184	193	203	214	224
	Commercial/Industrial/Institutional	33	34	35	37	39	41	43	45
	Accounted-for-water	188	199	210	221	232	244	257	269
	Unaccounted-for-water	73	98	90	86	77	69	64	67
	Total	261	297	300	307	310	313	321	337
2	Domestic use	135	143	150	158	166	174	183	192
	Commercial/Industrial/Institutional	23	27	30	32	33	34	36	38
	Accounted-for-water	158	170	180	190	199	208	219	230
	Unaccounted-for-water	62	84	77	74	66	59	55	58
	Total	220	254	257	263	265	267	274	288
3	Domestic use	120	128	135	142	149	157	165	173
	Commercial/Industrial/Institutional	19	23	24	27	29	31	33	35
	Accounted-for-water	139	151	159	169	178	188	198	208
	Unaccounted-for-water	54	74	68	66	59	53	49	52
	Total	193	225	227	235	237	241	247	260
4	Domestic use	110	118	125	131	138	145	153	160
	Commercial/Industrial/Institutional	15	18	20	23	26	29	31	32
	Accounted-for-water	125	136	145	154	164	174	184	192
	Unaccounted-for-water	49	67	62	60	55	49	46	48
	Total	174	203	207	214	219	223	229	240
5	Domestic use	100	105	110	116	122	128	134	141
	Commercial/Industrial/Institutional	13	15	17	20	22	24	26	28
	Accounted-for-water	113	120	127	136	144	152	160	169
	Unaccounted-for-water	44	59	54	53	48	43	40	42
	Total	157	179	181	188	191	194	200	211

Note: Annual rate of increase of unit water consumption of domestic use: 1.5% in 2000, 1% in 2000-2010 (Lwua Design Criteria)

NRW Rate (%)	1990	1995	2000	2005	2010	2015	2020	2025
	40	33	30	28	25	22	20	20

Table 4-27 SERVICE COVERAGE AND WATER DEMAND FOR PUBLIC WATER SUPPLY BY WATER RESOURCE REGION.

Water Resources Region (WRR)	Type	1995		2000		2005		2010		2015		2020	
		Total	Urban	Total	Urban	Total	Urban	Total	Urban	Total	Urban	Total	Urban
WRR 1	Total Population	2,302	1,587	2,882	2,007	3,007	2,243	3,779	2,820	3,609	4,097	3,330	4,049
	Pop. Served	440	191	504	463	591	414	687	501	687	811	587	1,011
	Coverage (%)	19%	12%	17%	23%	19%	15%	18%	14%	19%	20%	18%	25%
	Water Demand (MCM/year)	26	15	37	25	30	17	43	31	37	44	24	51
	Pop. Served	1,318	985	1,472	1,154	1,507	1,094	2,217	1,673	2,191	1,605	2,142	1,514
	Coverage (%)	57%	42%	51%	39%	50%	35%	57%	41%	59%	46%	53%	39%
	Water Demand (MCM/year)	14	17	22	13	16	10	24	19	24	21	12	22
	Pop. Served	1,758	1,186	2,007	1,484	1,883	1,364	2,699	1,984	2,622	2,385	1,968	2,709
	Coverage (%)	76%	75%	80%	81%	85%	87%	91%	93%	94%	95%	96%	97%
	Water Demand (MCM/year)	41	18	22	26	32	15	30	35	40	45	30	47
WRR 2	Total Population	3,054	2,640	3,308	2,623	3,094	2,598	3,035	2,528	3,008	2,521	3,333	2,642
	Pop. Served	129	81	159	101	148	90	188	124	188	101	240	148
	Coverage (%)	4%	3%	5%	4%	5%	3%	6%	5%	6%	4%	7%	
	Water Demand (MCM/year)	7	5	7	5	7	5	8	6	7	5	8	
	Pop. Served	1,901	1,327	2,263	1,674	2,585	1,937	3,111	2,274	2,885	2,077	3,077	2,225
	Coverage (%)	62%	51%	65%	44%	70%	44%	72%	20%	69%	20%	90%	64%
	Water Demand (MCM/year)	21	4	17	26	32	4	38	4	43	3	44	
	Pop. Served	2,030	1,407	2,007	1,385	2,179	1,563	2,699	1,984	2,622	2,385	2,142	2,709
	Coverage (%)	66%	64%	69%	69%	74%	69%	80%	74%	74%	74%	76%	80%
	Water Demand (MCM/year)	28	8	20	41	25	34	37	37	34	34	24	31
WRR 3	Total Population	9,111	4,933	10,030	5,314	10,975	6,726	11,836	7,694	12,592	8,208	13,240	9,111
	Pop. Served	1,866	1,000	2,741	1,265	3,331	1,455	4,748	2,277	6,037	3,177	7,932	4,687
	Coverage (%)	20%	20%	27%	24%	30%	21%	40%	29%	50%	38%	86%	
	Water Demand (MCM/year)	137	111	206	185	273	206	422	309	522	360	537	363
	Pop. Served	4,631	3,179	5,021	3,064	5,279	3,119	7,262	4,936	7,395	5,094	7,115	5,094
	Coverage (%)	51%	39%	50%	39%	50%	39%	57%	45%	59%	45%	62%	
	Water Demand (MCM/year)	48	20	30	36	41	24	69	23	46	19	69	
	Pop. Served	6,497	3,469	7,262	4,402	8,110	5,416	10,307	6,535	11,373	7,555	13,118	9,295
	Coverage (%)	71%	68%	74%	74%	76%	74%	80%	74%	80%	74%	80%	
	Water Demand (MCM/year)	188	131	220	155	256	185	491	324	629	356	724	463
WRR 4	Total Population	19,305	15,210	21,013	17,235	24,002	19,402	26,330	21,665	27,877	23,542	30,912	25,536
	Pop. Served	8,445	8,138	11,266	11,001	13,950	13,684	17,233	16,968	20,525	18,704	23,536	22,536
	Coverage (%)	44%	54%	53%	64%	61%	70%	66%	75%	75%	79%	88%	
	Water Demand (MCM/year)	1,082	1,053	2,029	1,433	2,735	2,044	4,362	3,250	5,252	3,841	6,341	4,362
	Pop. Served	4,821	3,925	5,024	3,988	5,525	4,044	6,594	5,024	6,594	5,525	7,013	5,525
	Coverage (%)	25%	25%	29%	26%	33%	28%	37%	33%	37%	33%	41%	
	Water Demand (MCM/year)	48	20	30	36	41	24	69	23	46	19	69	
	Pop. Served	12,866	9,942	14,283	10,969	16,280	12,680	21,044	16,947	23,542	18,487	26,223	21,329
	Coverage (%)	66%	66%	69%	69%	74%	74%	80%	74%	80%	74%	80%	
	Water Demand (MCM/year)	1,131	1,073	2,144	1,534	3,114	2,178	6,181	4,371	10,424	7,444	15,524	10,424
WRR 5	Total Population	4,325	2,210	5,520	2,711	6,043	3,164	6,538	3,037	7,013	3,574	7,598	4,078
	Pop. Served	489	204	788	353	1,015	465	1,270	595	1,622	716	2,013	836
	Coverage (%)	11%	9%	14%	13%	17%	15%	19%	18%	23%	20%	25%	
	Water Demand (MCM/year)	35	22	44	27	55	34	98	61	129	74	165	
	Pop. Served	2,775	1,900	3,083	2,213	3,406	2,442	4,362	3,119	5,252	3,841	5,094	
	Coverage (%)	64%	59%	62%	46%	60%	46%	65%	46%	72%	46%	72%	
	Water Demand (MCM/year)	40	13	27	41	52	14	47	14	47	14	47	
	Pop. Served	4,371	3,083	4,371	3,083	4,371	3,083	4,371	3,083	4,371	3,083	4,371	
	Coverage (%)	76%	69%	80%	75%	85%	80%	90%	80%	90%	80%	90%	
	Water Demand (MCM/year)	89	44	130	80	205	116	285	185	319	254	400	
WRR 6	Total Population	5,013	2,708	6,452	3,573	7,013	3,534	7,598	3,717	8,208	4,201	8,792	
	Pop. Served	696	436	932	582	1,270	604	1,622	716	2,013	836	2,536	
	Coverage (%)	14%	16%	15%	16%	18%	17%	21%	19%	24%	20%	29%	
	Water Demand (MCM/year)	48	31	62	39	77	48	116	74	145	89	188	
	Pop. Served	3,675	2,645	4,371	3,083	4,371	3,083	4,371	3,083	4,371	3,083	4,371	
	Coverage (%)	73%	69%	74%	75%	80%	75%	85%	75%	90%	80%	90%	
	Water Demand (MCM/year)	40	13	27	41	52	14	47	14	47	14	47	
	Pop. Served	4,371	3,083	4,371	3,083	4,371	3,083	4,371	3,083	4,371	3,083	4,371	
	Coverage (%)	80%	73%	85%	78%	90%	80%	90%	80%	90%	80%	90%	
	Water Demand (MCM/year)	90	44	130	80	205	116	285	185	319	254	400	
WRR 7	Total Population	3,507	1,913	4,232	2,110	4,696	2,033	5,209	2,977	5,798	3,182	6,202	
	Pop. Served	329	177	512	263	607	309	1,055	506	1,412	604	1,824	
	Coverage (%)	9%	9%	12%	13%	13%	15%	20%	16%	24%	18%	29%	
	Water Demand (MCM/year)	17	9	16	9	20	10	27	12	30	12	37	
	Pop. Served	2,247	1,725	2,777	2,033	3,083	2,213	4,044	3,119	5,252	3,841	5,094	
	Coverage (%)	67%	59%	65%	59%	70%	60%	76%	60%	80%	60%	76%	
	Water Demand (MCM/year)	25	6	19	30	34	6	28	6	33	6	44	
	Pop. Served	2,576	1,877	3,045	2,152	3,533	2,442	4,044	3,119	4,696	3,083	4,371	
	Coverage (%)	77%	69%	80%	75%	85%	80%	90%	80%	90%	80%	90%	
	Water Demand (MCM/year)	42	15	37	22	52	25	108	43	141	61	205	
WRR 8	Total Population	3,507	1,913	4,232	2,110	4,696	2,033	5,209	2,977	5,798	3,182	6,202	
	Pop. Served	329	177	512	263	607	309	1,055	506	1,412	604	1,824	
	Coverage (%)	9%	9%	12%	13%	13%	15%	20%	16%	24%	18%	29%	
	Water Demand (MCM/year)	17	9	16	9	20	10	27	12	30	12	37	
	Pop. Served	2,247	1,725	2,777	2,033	3,083	2,213	4,044	3,119	5,252	3,841	5,094	
	Coverage (%)	67%	59%	65%	59%	70%	60%	76%	60%	80%	60%	76%	
	Water Demand (MCM/year)	25	6	19	30	34	6	28	6	33	6	44	
	Pop. Served	2,576	1,877	3,045	2,152	3,533	2,442	4,044	3,119	4,696	3,083	4,371	
	Coverage (%)	77%	69%	80%	75%	85%	80%	90%	80%	90%	80%	90%	
	Water Demand (MCM/year)	42	15	37	22	52	25	108	43	141	61	205	
WRR 9	Total Population	3,507	1,913	4,232	2,110	4,696	2,033	5,209	2,977	5,798	3,182	6,202	
	Pop. Served	329	177	512	263	607	309	1,055	506	1,412	604	1,824	
	Coverage (%)	9%	9%	12%	13%	13%	15%	20%	16%	24%	18%	29%	
	Water Demand (MCM/year)	17	9	16	9	20	10	27	12	30	12	37	
	Pop. Served	2,247	1,725	2,777	2,033	3,083	2,213	4,044	3,119	5,252	3,841	5,094	
	Coverage (%)	67%	59%	65%	59%	70%	60%	76%	60%	80%	60%	76%	
	Water Demand (MCM/year)	25	6	19	30	34	6	28	6	33	6	44	
	Pop. Served	2,576	1,877	3,045	2,152	3,533	2,442	4,044	3,119	4,696	3,083	4,371	
	Coverage (%)	77%	69%	80%	75%	85%	80%	90%	80%	90%	80%	90%	
	Water Demand (MCM/year)	42	15	37	22	52	25	108	43	141	61	205	
WRR 10	Total Population	3,507	1,913	4,232	2,110	4,696	2,033	5,209	2,977	5,798	3,182	6,202	
	Pop. Served	329	177	512	263	607	309	1,055	506	1,412	604	1,824	
	Coverage (%)	9%	9%	12%	13%	13%	15%	20%	16%	24%	18%	29%	
	Water Demand (MCM/year)	17	9	16	9	20	10	27	12	30	12	37	
	Pop. Served	2,247	1,725	2,777	2,033	3,083	2,213	4,044	3,119	5,252	3,841	5,094	
	Coverage (%)	67%	59%	65%	59%	70%	60%	76%	60%	80%	60%	76%	
	Water Demand (MCM/year)	25	6	19	30	34	6	28	6	33	6	44	
	Pop. Served	2,576	1,877	3,045	2,152	3,533	2,442	4,044	3,119	4,696	3,083	4,371	
	Coverage (%)	77%	69%	80%	75%	85%	80%	90%					

**Table 4-28 INDUSTRIAL WATER DEMAND BY WATER RESOURCE REGION
(High Scenario)**

(Unit: MCM/year)

Water Resources Region	1995	2000	2005	2010	2015	2020	2025
WRR-I	72.9	77.1	80.7	86.0	93.5	104.1	119.6
WRR-II	16.1	17.8	18.7	20.0	21.7	24.0	27.4
WRR-III	209.3	228.8	272.4	337.7	433.4	568.8	758.2
WRR-IV	625.8	626.1	690.2	865.0	1,093.9	1,424.4	1,928.9
WRR-V	19.8	23.9	25.4	27.6	30.7	34.8	41.1
WRR-VI	569.3	570.2	588.1	595.2	601.2	605.8	609.3
WRR-VII	165.8	166.4	234.7	248.7	316.1	407.4	541.3
WRR-VIII	31.4	49.8	62.4	80.9	106.7	143.1	195.5
WRR-IX	5.7	13.7	25.5	32.5	41.9	56.3	77.9
WRR-X	210.4	209.1	216.7	219.5	241.1	273.3	324.7
WRR-XI	215.1	214.7	217.6	224.5	233.6	245.5	263.1
WRR-XII	92.0	91.9	93.7	96.1	99.4	103.9	110.7
Total	2,233.5	2,289.4	2,526.1	2,833.8	3,313.0	3,991.5	4,997.6

**Table 4-29 INDUSTRIAL WATER DEMAND BY WATER RESOURCE REGION
(Low Scenario)**

(Unit: MCM/year)

Water Resources Region	1995	2000	2005	2010	2015	2020	2025
WRR-I	72.9	76.1	79.4	82.7	86.2	89.7	92.8
WRR-II	16.1	17.3	18.4	19.1	19.9	20.6	21.3
WRR-III	209.3	221.7	258.2	298.7	346.0	393.2	432.6
WRR-IV	625.8	628.4	718.2	838.3	949.8	1,054.8	1,154.1
WRR-V	19.8	22.2	24.7	25.9	27.1	28.3	29.4
WRR-VI	569.3	568.6	569.3	568.6	567.7	566.6	565.2
WRR-VII	165.8	163.6	219.4	217.3	248.4	276.8	302.7
WRR-VIII	31.4	45.5	57.4	68.0	79.5	90.8	100.5
WRR-IX	5.7	13.7	23.5	27.3	31.2	35.7	40.0
WRR-X	210.4	208.9	209.7	209.9	220.1	231.2	243.6
WRR-XI	215.1	214.9	215.8	219.8	223.8	227.1	230.1
WRR-XII	92.0	92.5	92.9	94.2	95.5	96.7	97.8
Total	2,233.5	2,273.2	2,486.9	2,670.0	2,895.3	3,111.4	3,310.1

Table 4-30 ECONOMIC ZONE AND WATER DEMAND ESTIMATION

(Unit: MCM/year)

Region	District	Name of Economic Zone	Status	1996		2000		2015		2030		2045		Primary Industries						
				Land Utilized	Water Demand	Land Utilized	Water Demand	Land Utilized	Water Demand	Land Utilized	Water Demand									
I	Bogor	BOGOR IZ	Existing	1137	301	958	831	1031	228	1339	228	1031	228	1031	228	High and medium technologies				
		BATAVIA IZ	Existing	1600	291	803	709	2248	951	3051	1091	3212	1031	3212	1031	3212	Light and medium			
		BERKAS IZ	Nw	500	-	151	181	801	914	1039	1265	1031	1265	1039	1265	1039	Light and medium			
		INDO CHEMICAL COMPLEX	Nw	150	-	151	0.45	801	2.41	1039	3.01	1039	3.01	1039	3.01	1039	Chemical industries			
		ANGGITA INDUSTRIAL PARK IZ	Existing	32	-	151	0.40	801	0.51	1039	0.64	1039	0.64	1039	0.64	1039	Light and medium			
		LUSTANDA INDUSTRIAL PARK IZ	Existing	20.4	0.31	0.37	901	0.51	1039	0.59	1039	0.59	1039	0.59	1039	Light and medium				
		NEBO SHIPYARD IZ	Existing	30.72	283	0.40	701	0.99	1039	1.42	1039	1.42	1039	1.42	1039	Medium and high industries				
		Sub Total (WRR 3)		2492.17		801		2636		4983		4983		4983		4983				
		II	Cirebon	IRIBATANGAS INDUSTRIAL PARK IZ	Nw	54	-	151	0.16	801	1.07	1039	1.08	1039	1.08	1039	1.08	1039	Light and medium	
				IRIBATI INDUSTRIAL PARK IZ	Nw	75	-	151	0.23	801	1.20	1039	1.51	1039	1.51	1039	1.51	1039	Light and medium high technologies	
INDUSTRIAL PARK IZ	Nw			485	-	151	1.48	801	7.70	1039	9.74	1039	9.74	1039	9.74	1039	Light and medium and high technologies			
RECI IZ	Nw			65	-	151	0.29	801	1.51	1039	1.91	1039	1.91	1039	1.91	1039	Light and medium industries			
ST. JOMAS BATANGAS LOGANSI	Nw			133	-	151	0.43	801	2.94	1039	2.87	1039	2.87	1039	2.87	1039	Light and medium industries			
TABANGA IZ	Existing			88	219	0.40	701	1.24	1039	1.77	1039	1.77	1039	1.77	1039	1.77	1039	Light and medium		
CAVITE IZ	Existing			275.8	540	0.37	801	4.08	1039	5.54	1039	5.54	1039	5.54	1039	5.54	1039	High and medium technologies, garment, high technologies, light and medium		
CAMBRIDGE INDUSTRIAL PARK IZ	Nw			80	-	151	0.26	801	1.41	1039	1.71	1039	1.71	1039	1.71	1039	1.71	1039	Light and medium	
DABO INDUSTRIAL PARK IZ	Nw			60	-	151	0.20	801	0.96	1039	1.29	1039	1.29	1039	1.29	1039	1.29	1039	Light and medium	
IBYAT IZ	Nw			26.9	-	151	0.30	801	4.20	1039	5.36	1039	5.36	1039	5.36	1039	Light and medium high technologies industries			
IBYAT INDUSTRIAL PARK CAVITE	Nw			85	-	151	0.26	801	1.38	1039	1.71	1039	1.71	1039	1.71	1039	1.71	1039	Light and medium	
IBO IZ	Nw			31.5	-	151	0.11	801	0.51	1039	0.75	1039	0.75	1039	0.75	1039	0.75	1039	Light and medium	
IRIBAT CAVITE INDUSTRIAL ESTABL	Existing			51.7	701	0.94	851	1.02	1039	1.18	1039	1.18	1039	1.18	1039	1.18	1039	Light and medium non-polluting industries		
CAVITEWAY BUSINESS PARK IZ	Existing			130	529	1.18	881	1.71	1039	2.91	1039	2.91	1039	2.91	1039	2.91	1039	Light and medium non-polluting industries		
TARUNAGOR INDUSTRIAL IZ	Nw			130	-	151	0.50	801	1.61	1039	2.11	1039	2.11	1039	2.11	1039	2.11	1039	Light and medium	
CAMBRIDGE INDUSTRIAL PARK IZ	Existing			46	719	0.67	1039	0.92	1039	0.92	1039	0.92	1039	0.92	1039	0.92	1039	Light and medium		
IBYAT IZ	Nw			250	-	151	0.75	801	4.02	1039	5.02	1039	5.02	1039	5.02	1039	5.02	1039	Non-polluting industries	
LAGUNA INTERNATIONAL INDUSTRIAL PARK IZ	Existing			32	570	0.37	851	7.55	1039	10.64	1039	10.64	1039	10.64	1039	10.64	1039	Light and medium non-polluting industries		
LAGUNA TOURISM PARK	Existing			112.4	219	1.28	951	2.66	1039	2.80	1039	2.80	1039	2.80	1039	2.80	1039	Light and medium non-polluting industries		
IBYAT INDUSTRIAL SCIENCE PARK I	Existing			67	701	0.65	1039	1.35	1039	1.35	1039	1.35	1039	1.35	1039	1.35	1039	Light and medium non-polluting industries		
IBYAT INDUSTRIAL SCIENCE PARK II	Existing			65	301	0.25	801	1.04	1039	1.30	1039	1.30	1039	1.30	1039	1.30	1039	Light and medium non-polluting industries		
IBYAT INDUSTRIAL SCIENCE PARK III	Nw			114.7	-	151	0.35	801	1.94	1039	2.30	1039	2.30	1039	2.30	1039	2.30	1039	Light and medium non-polluting industries	
IBYAT INDUSTRIAL SCIENCE PARK IV	Nw			76	-	151	0.23	801	1.22	1039	1.51	1039	1.51	1039	1.51	1039	1.51	1039	Light and medium non-polluting industries	
IBYAT INDUSTRIAL SCIENCE PARK V	Existing			25	654	1.06	1039	0.50	1039	0.50	1039	0.50	1039	0.50	1039	0.50	1039	Light and medium non-polluting industries		
IBYAT INDUSTRIAL SCIENCE PARK VI	Existing			51	301	0.30	801	1.00	1039	1.00	1039	1.00	1039	1.00	1039	1.00	1039	Light and medium non-polluting industries		
Sub Total (WRR 4)				2593		639		2286		4976		5747		5747		5747				
III	Alor			IBYAT IZ	Nw	33.1	-	151	0.10	801	0.51	1039	0.66	1039	0.66	1039	0.66	1039	Light and medium non-polluting industries, electronics and light and medium	
				MUCTAN IZ	Existing	150	670	2.02	901	2.71	1039	3.09	1039	3.09	1039	3.09	1039	3.09	1039	Light and medium non-polluting industries, garment, light and medium
				MUCTAN IZ	Existing	65.3	1061	0.13	801	0.78	851	1.24	1039	1.27	1039	1.27	1039	1.27	1039	Light and medium non-polluting industries, garment, light and medium
IV	Cianjur			IBYAT IZ	Existing	36.6	-	151	0.11	801	0.51	1039	0.73	1039	0.73	1039	0.73	1039	Light and medium non-polluting industries, garment, light and medium	
		IBYAT IZ	Existing	125	-	151	0.74	801	3.93	1039	4.92	1039	4.92	1039	4.92	1039	Light and medium non-polluting industries, garment, light and medium			
		Sub Total (WRR 5)		557.9		235		451		975		1119		1119		1119				
V	Tasik	IBYAT IZ	Existing	427.1	531	4.55	851	7.30	1039	8.59	1039	8.59	1039	8.59	1039	8.59	1039	Light and medium non-polluting industries, garment, light and medium		
		IBYAT IZ	Nw	236.9	-	151	0.71	801	3.80	1039	4.76	1039	4.76	1039	4.76	1039	4.76	1039	Light and medium non-polluting industries, garment, light and medium	
		Sub Total (WRR 6)		664.6		455		801		1239		1334		1334		1334				
VI	Zandapala	AYALATI ZAMBOANGA INDUSTRIAL PARK IZ	Nw	50	-	151	0.15	801	0.81	1039	1.00	1039	1.00	1039	1.00	1039	Light and medium non-polluting industries			
		IBYAT IZ	Nw	136	-	151	0.52	801	3.15	1039	3.93	1039	3.93	1039	3.93	1039	Light and medium non-polluting industries			
		IBYAT IZ	Nw	296	-	151	0.89	801	4.75	1039	5.94	1039	5.94	1039	5.94	1039	Light and medium non-polluting industries			
VII	Sugandirejo	IBYAT IZ	Nw	130	-	151	0.30	801	1.60	1039	2.00	1039	2.00	1039	2.00	1039	Light and medium non-polluting industries			
		IBYAT IZ	Existing	502	-	151	1.78	801	9.51	1039	11.88	1039	11.88	1039	11.88	1039	Light and medium non-polluting industries			
		Sub Total (WRR 7)		902		301		1501		2188		2188		2188		2188				
VIII	Dwi	IBYAT IZ	Nw	57	-	151	0.17	801	0.92	1039	1.14	1039	1.14	1039	1.14	1039	Light and medium non-polluting industries, garment, light and medium			
		IBYAT IZ	Nw	120	-	151	0.36	801	1.90	1039	2.41	1039	2.41	1039	2.41	1039	Light and medium non-polluting industries			
		IBYAT IZ	Nw	274	-	151	0.83	801	4.40	1039	5.50	1039	5.50	1039	5.50	1039	Light and medium non-polluting industries, garment, light and medium			
IX	Sugandirejo	IBYAT IZ	Existing	304	-	151	1.19	801	6.83	1039	8.91	1039	8.91	1039	8.91	1039	Light and medium non-polluting industries, garment, light and medium			
		IBYAT IZ	Existing	304	-	151	1.19	801	6.83	1039	8.91	1039	8.91	1039	8.91	1039	Light and medium non-polluting industries, garment, light and medium			
		Sub Total (WRR 12)		902		301		1501		2188		2188		2188		2188				
X	Sugandirejo	IBYAT IZ	Existing	304	-	151	1.19	801	6.83	1039	8.91	1039	8.91	1039	8.91	1039	Light and medium non-polluting industries, garment, light and medium			
		IBYAT IZ	Existing	304	-	151	1.19	801	6.83	1039	8.91	1039	8.91	1039	8.91	1039	Light and medium non-polluting industries, garment, light and medium			
		Sub Total (WRR 13)		902		301		1501		2188		2188		2188		2188				
XI	Sugandirejo	IBYAT IZ	Existing	304	-	151	1.19	801	6.83	1039	8.91	1039	8.91	1039	8.91	1039	Light and medium non-polluting industries, garment, light and medium			
		IBYAT IZ	Existing	304	-	151	1.19	801	6.83	1039	8.91	1039	8.91	1039	8.91	1039	Light and medium non-polluting industries, garment, light and medium			
		Sub Total (WRR 14)		902		301		1501		2188		2188		2188		2188				
XII	Sugandirejo	IBYAT IZ	Existing	304	-	151	1.19	801	6.83	1039	8.91	1039	8.91	1039	8.91	1039	Light and medium non-polluting industries, garment, light and medium			
		IBYAT IZ	Existing	304	-	151	1.19	801	6.83	1039	8.91	1039	8.91	1039	8.91	1039	Light and medium non-polluting industries, garment, light and medium			
		Sub Total (WRR 15)		902		301		1501		2188		2188		2188		2188				
XIII	Sugandirejo	IBYAT IZ	Existing	304	-	151	1.19	801	6.83	1039	8.91	1039	8.91	1039	8.91	1039	Light and medium non-polluting industries, garment, light and medium			
		IBYAT IZ	Existing	304	-	151	1.19	801	6.83	1039	8.91	1039	8.91	1039	8.91	1039	Light and medium non-polluting industries, garment, light and medium			
		Sub Total (WRR 16)		902		301		1501		2188		2188		2188		2188				
XIV	Sugandirejo	IBYAT IZ	Existing	304	-	151	1.19	801	6.83	1039	8.91	1039	8.91	1039	8.91	1039	Light and medium non-polluting industries, garment, light and medium			
		IBYAT IZ	Existing	304	-	151	1.19	801	6.83	1039	8.91	1039	8.91	1039	8.91	1039	Light and medium non-polluting industries, garment, light and medium			
		Sub Total (WRR 17)		902		301		1501		2188		2188		2188		2188				
XV	Sugandirejo	IBYAT IZ	Existing	304	-	151	1.19	801	6.83	1039	8.91	1039	8.91	1039	8.91	1039	Light and medium non-polluting industries, garment, light and medium			
		IBYAT IZ	Existing	304	-	151	1.19													

Table 4-31 MUNICIPAL AND INDUSTRIAL WATER DEMAND BY WATER RESOURCE REGION (in High Economic Scenario)

(Unit: MCM/year)

Region	1995			2000			2005			2010			2015			2020			2025		
	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total
WRR-I	47.4	72.9	120.4	60.7	77.1	137.8	76.9	80.7	157.5	96.2	86.0	182.2	118.6	93.5	212.1	142.9	104.1	247.0	170.1	119.6	289.6
WRR-II	39.3	16.1	55.4	50.7	17.8	68.4	64.8	18.7	83.5	81.5	20.0	101.5	100.2	21.7	121.9	119.4	24.0	143.5	140.2	27.4	167.7
WRR-III	216.5	209.3	425.8	297.3	228.8	526.1	397.6	272.4	670.0	511.6	337.7	849.3	646.2	433.4	1,079.5	792.9	568.8	1,361.8	954.7	758.2	1,712.9
WRR-IV	1,211.1	625.8	1,836.9	1,562.9	626.1	2,189.0	1,868.9	690.2	2,559.2	2,229.5	865.0	3,094.6	2,477.3	1,093.9	3,571.1	2,689.0	1,424.4	4,113.4	3,100.8	1,928.9	5,029.7
WRR-V	77.8	19.8	97.7	101.6	23.9	125.5	124.5	25.4	150.0	154.6	27.6	182.3	188.6	30.7	219.2	224.6	34.8	259.4	261.1	41.1	302.3
WRR-VI	106.3	569.3	675.6	147.5	570.2	717.7	197.7	588.1	785.8	259.2	595.2	854.4	330.9	601.2	932.0	410.1	605.8	1,015.9	500.2	609.3	1,109.5
WRR-VII	123.8	165.8	289.6	183.6	166.4	350.0	253.5	234.7	488.2	330.7	248.7	579.4	411.2	316.1	727.3	490.9	407.4	898.3	564.0	541.3	1,105.2
WRR-VIII	51.2	31.4	82.6	67.5	49.8	117.3	88.7	62.4	151.1	115.0	80.9	195.9	147.0	106.7	243.6	183.5	143.1	326.6	236.5	194.5	432.0
WRR-IX	73.2	5.7	78.8	103.9	13.7	117.6	143.5	25.5	169.1	193.0	32.5	225.5	251.5	41.9	293.3	317.5	56.3	373.8	380.5	77.9	458.3
WRR-X	83.1	210.4	293.5	111.5	209.1	320.6	150.3	216.7	367.1	198.9	219.5	418.4	257.5	241.1	498.6	320.8	273.3	594.2	388.8	324.7	713.5
WRR-XI	88.8	215.1	304.0	109.2	214.7	323.8	133.7	217.6	351.3	161.6	224.5	386.1	192.3	233.6	425.9	224.0	245.5	469.5	288.1	263.1	551.2
WRR-XII	68.5	92.0	160.5	100.5	91.9	192.4	147.8	93.7	241.4	210.1	96.1	306.3	286.2	99.4	385.6	375.1	103.9	479.0	475.0	110.7	585.6
Total	2,187.1	2,233.5	4,420.7	2,896.8	2,289.4	5,186.2	3,648.0	2,526.1	6,174.1	4,542.1	2,833.8	7,375.9	5,407.2	3,313.0	8,720.2	6,290.9	3,991.5	10,282.5	7,430.0	4,997.6	12,427.6

Table 4-32 MUNICIPAL AND INDUSTRIAL WATER DEMAND BY WATER RESOURCE REGION (in Low Economic Scenario)

(Unit: MCM/year)

Region	1995			2000			2005			2010			2015			2020			2025		
	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total
WRR-1	47.4	72.9	120.4	60.7	76.1	136.8	76.9	79.4	156.3	96.2	82.7	178.9	118.6	86.2	204.7	142.9	89.7	232.6	170.1	119.6	289.6
WRR-2	39.3	16.1	55.4	50.7	17.3	67.9	64.8	18.4	83.2	81.5	19.1	100.7	100.2	19.9	120.1	119.4	20.6	140.0	140.2	21.3	161.5
WRR-3	216.5	209.3	425.8	297.3	221.7	519.0	397.6	258.2	655.7	511.6	298.7	810.4	646.2	346.0	992.2	792.9	593.2	1,186.1	954.7	432.6	1,387.3
WRR-4	1,211.1	625.8	1,836.9	1,562.9	628.4	2,191.2	1,868.9	718.2	2,587.1	2,229.5	838.3	3,067.9	2,477.3	949.8	3,427.1	2,689.0	1,054.8	3,743.8	3,100.8	1,154.1	4,254.9
WRR-5	77.8	19.8	97.7	101.6	22.2	123.8	124.5	24.7	149.3	154.6	25.9	180.5	188.6	27.1	215.7	224.6	28.3	252.9	261.1	29.4	290.5
WRR-6	106.3	569.3	675.6	147.5	568.6	716.0	197.7	569.3	767.0	249.2	568.6	827.8	330.9	567.7	898.5	410.1	566.6	976.7	500.2	565.2	1,065.4
WRR-7	123.8	165.8	289.6	183.6	163.6	347.2	253.5	219.4	472.0	330.7	217.3	548.0	411.2	248.4	659.7	490.9	276.8	767.7	564.0	302.7	866.7
WRR-8	51.2	31.4	82.6	67.5	45.5	112.9	88.7	57.4	146.1	115.0	68.0	183.1	147.0	79.5	226.5	183.5	90.8	274.3	236.5	100.5	337.1
WRR-9	73.2	5.7	78.8	103.9	13.7	117.6	143.5	23.5	167.0	193.0	27.3	220.3	251.3	31.2	282.6	317.5	35.7	353.2	380.5	40.0	420.5
WRR-10	83.1	210.4	293.5	111.5	208.9	320.4	150.3	209.7	360.0	198.9	209.9	408.8	257.5	220.1	477.6	320.8	231.2	552.1	388.8	243.6	632.4
WRR-11	88.8	215.1	304.0	109.2	214.9	324.1	133.7	215.8	349.5	161.6	219.8	381.5	192.3	223.8	416.1	224.0	227.1	451.1	298.1	230.1	488.2
WRR-12	68.5	92.0	160.5	100.5	92.5	193.0	147.8	92.9	240.7	210.1	94.2	304.3	286.2	95.5	381.7	375.1	96.7	471.8	475.0	97.8	572.8
Total	2,187.1	2,233.5	4,420.7	2,896.8	2,273.2	5,170.0	3,648.0	2,486.9	6,134.9	4,542.1	2,670.0	7,212.0	5,407.2	3,313.0	8,302.6	6,290.9	3,111.4	9,402.3	7,430.0	3,310.1	10,740.1

Table 4-33 MUNICIPAL AND INDUSTRIAL WATER DEMAND BY MAJOR RIVER BASIN (In High Economic Scenario)

(unit: MCM/year)

WRR	Major River Basin	1995			2000			2010			2015			2020			2025					
		Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total			
I	Abra	2.0	19.6	21.7	2.9	19.8	22.7	4.1	19.9	24.0	5.5	20.1	25.6	7.1	20.3	27.5	9.0	20.7	29.7	11.0	21.3	32.3
	Laosig	0.4	3.4	3.9	0.6	3.5	4.1	0.8	3.5	4.3	1.1	3.5	4.6	1.4	3.6	5.0	1.8	3.7	5.5	3.2	3.8	6.0
	Others	44.9	40.9	94.8	57.1	53.9	111.0	72.0	57.3	129.2	89.6	82.4	172.0	100.0	69.5	179.6	132.2	79.7	211.9	150.8	94.5	245.3
	Total	47.4	72.0	120.4	60.7	77.3	137.8	76.9	80.7	153.5	96.2	85.0	181.2	118.6	93.5	212.1	142.9	104.1	247.0	170.1	119.6	289.6
		34.6	1.7	36.2	44.6	3.1	47.7	37.0	4.0	41.0	71.7	5.1	76.8	88.2	6.5	94.7	101.1	8.0	113.7	121.4	11.6	138.0
II	Abuyog	0.0	5.1	5.1	0.0	5.1	5.1	0.0	5.1	5.1	0.0	5.1	5.1	0.0	5.1	5.1	0.0	5.1	5.1	0.0	5.1	5.1
	Others	4.7	9.3	14.0	6.1	9.5	15.6	7.8	9.6	17.4	14.3	19.6	33.9	17.0	10.0	27.0	14.3	10.3	24.6	16.8	10.7	27.5
	Total	99.3	66.1	165.4	59.7	17.8	68.4	64.8	18.7	83.5	100.2	21.7	121.9	119.4	24.0	143.5	160.2	27.4	163.7	196.2	27.4	163.7
		129.2	64.2	193.4	173.5	73.9	247.4	228.3	102.0	330.3	290.5	141.1	431.6	441.0	279.5	722.5	722.5	441.0	279.5	722.5	441.0	279.5
		26.5	11.0	37.5	35.5	13.4	48.9	46.5	18.8	65.3	56.1	20.4	75.9	71.8	26.6	98.4	112.3	49.8	55.2	115.0	107.4	78.5
III	Apuro	60.8	134.0	194.8	84.4	139.5	223.8	122.7	151.6	274.3	162.1	169.8	331.9	206.8	196.4	403.2	260.1	234.1	494.2	316.9	484.8	601.7
	Others	216.5	299.3	515.8	299.3	228.8	528.1	307.6	272.4	579.9	511.6	337.7	849.3	646.7	433.4	1079.5	795.9	568.8	1361.8	954.7	744.7	1700.0
	Total	799.8	374.3	1174.1	911.3	396.3	1307.6	1066.8	418.0	1354.2	1292.7	538.7	1828.5	1436.4	669.9	2126.3	1788.1	912.5	2470.0	1798.3	1252.4	3150.7
		501.3	251.2	752.4	651.5	292.0	943.5	742.0	272.2	1014.2	936.7	329.2	1265.9	1040.7	403.8	1444.5	1132.8	511.6	1642.4	1302.4	676.1	1978.5
		1,011.1	628.8	1,639.9	1,562.9	428.4	2,191.2	1,808.9	690.2	2,519.2	2,229.5	865.0	3,094.6	2,477.3	1,093.9	3,571.1	2,697.0	1,424.4	4,113.4	3,100.8	1,928.9	5,030.7
IV	Basig-Laguna Bay	31.7	2.8	34.5	41.1	4.5	45.5	50.2	5.1	55.3	62.0	6.1	68.0	75.2	7.3	82.6	89.3	9.1	98.4	107.6	11.7	119.3
	Avonny-Parrick	46.3	17.1	63.2	66.3	19.4	85.7	74.4	20.3	94.7	92.6	21.6	114.2	113.3	25.3	138.6	135.2	25.8	161.0	157.6	29.4	187.0
	Others	77.8	19.8	97.7	101.6	23.9	125.5	124.5	25.4	150.0	154.6	27.6	182.3	198.6	30.7	219.2	274.8	34.8	259.4	291.1	41.1	302.3
	Total	155.8	39.7	195.5	209.0	47.8	270.7	279.2	75.9	325.3	319.2	89.7	410.3	417.1	113.6	517.1	524.6	124.9	531.4	566.3	142.2	508.6
		25.8	152.1	177.9	31.2	152.4	183.6	49.9	186.9	236.8	65.4	158.7	224.1	83.6	160.2	243.8	105.6	161.3	266.9	126.4	162.2	288.6
V	Jalaor	0.7	0.5	1.2	0.9	0.5	1.5	1.2	0.7	1.9	1.0	0.7	2.3	2.1	0.7	2.8	2.5	0.8	3.3	3.1	0.8	3.9
	Others	78.6	414.6	493.2	109.0	415.3	524.4	146.2	428.5	574.7	191.6	433.8	625.4	344.5	438.2	682.8	303.1	441.7	744.8	369.6	444.3	813.9
	Total	166.3	415.1	581.4	109.9	415.8	526.3	147.4	429.2	576.6	192.6	434.5	627.1	346.6	438.9	685.6	305.6	442.5	747.6	371.7	448.1	797.8
		131.8	165.8	297.6	183.6	169.4	353.0	283.3	244.7	488.0	330.7	348.7	579.4	411.2	316.1	727.3	490.9	407.4	898.3	564.0	341.3	1105.3
		81.2	31.4	112.6	67.5	49.8	117.3	86.7	67.4	154.1	115.0	80.9	195.9	247.0	166.7	253.6	183.5	143.1	326.6	236.5	195.5	432.0
VI	Pannay	21.2	5.7	26.8	10.9	13.7	24.6	14.3	25.5	40.1	19.0	32.5	23.5	41.9	29.3	33.6	31.7	36.3	31.3	30.3	27.9	48.3
	Hog-Hilabangan	30.0	45.6	75.6	40.1	45.2	85.3	53.9	47.9	101.9	71.2	49.0	120.1	92.0	56.9	148.9	114.4	68.8	163.2	138.5	87.6	226.1
	Others	32.1	56.4	88.5	43.0	53.9	96.9	57.9	58.9	116.8	76.4	60.0	136.4	98.8	68.4	167.3	125.0	81.1	204.1	148.9	101.2	250.1
	Total	83.3	107.7	191.0	93.9	107.8	201.7	126.1	112.7	225.6	148.6	117.0	256.6	199.6	133.7	323.5	249.3	126.2	316.0	296.7	197.3	476.4
		20.8	106.5	127.4	24.2	106.2	130.4	38.3	105.0	143.3	50.9	106.7	157.6	66.3	113.8	160.1	92.8	121.5	204.4	100.7	133.8	234.5
VII	Tagoloan	3.7	39.4	43.1	6.2	0.8	7.0	9.8	39.5	49.3	14.0	39.6	53.6	18.7	39.8	58.4	23.8	40.0	63.8	39.5	40.3	69.8
	Others	26.7	133.1	159.8	36.7	15.2	51.9	46.8	133.7	183.5	65.0	135.4	200.4	81.9	137.7	219.6	100.0	140.6	240.7	119.7	145.0	264.7
	Total	30.4	172.5	202.9	42.9	16.0	58.9	56.6	173.2	233.0	79.0	175.0	253.8	100.6	177.5	269.0	109.8	181.2	304.5	159.4	184.3	333.5
		19.4	4.0	23.5	21.5	4.0	25.5	23.2	4.7	27.9	25.0	6.4	31.4	27.0	8.7	35.6	28.5	11.7	40.2	30.0	16.1	46.1
		39.0	38.6	77.5	44.8	11.3	56.3	50.9	39.8	90.7	57.6	43.1	100.6	64.8	47.5	112.2	224.0	245.5	409.5	258.1	263.1	521.2
VIII	Agusan	4.8	72.6	77.4	7.0	72.7	79.7	9.2	72.9	82.1	14.1	76.8	90.9	19.2	76.8	96.0	20.0	73.1	93.1	76.2	73.5	99.8
	Others	17.7	5.5	23.3	26.0	5.7	31.7	38.3	6.0	44.2	34.4	6.6	61.0	74.1	7.5	81.6	97.1	8.6	105.2	120.6	10.4	125.3
	Total	22.5	78.1	100.7	33.0	78.4	111.4	47.5	78.9	126.3	50.5	83.4	131.9	93.3	84.3	177.6	28.6	81.6	173.3	196.8	184.1	225.1
		88.8	215.1	304.0	199.2	31.5	230.7	133.7	217.6	351.3	161.6	224.5	386.1	192.3	233.6	425.9	224.0	245.5	469.5	258.1	263.1	521.2
		46.0	13.8	59.8	67.5	14.1	81.6	95.2	14.9	114.2	141.1	168	152.7	192.2	16.8	211.0	251.9	21.6	273.7	318.9	26.4	345.2
IX	Agusan	4.8	72.6	77.4	7.0	72.7	79.7	9.2	72.9	82.1	14.1	76.8	90.9	19.2	76.8	96.0	20.0	73.1	93.1	76.2	73.5	99.8
	Others	17.7	5.5	23.3	26.0	5.7	31.7	38.3	6.0	44.2	34.4	6.6	61.0	74.1	7.5	81.6	97.1	8.6	105.2	120.6	10.4	125.3
	Total	22.5	78.1	100.7	33.0	78.4	111.4	47.5	78.9	126.3	50.5	83.4	131.9	93.3	84.3	177.6	28.6	81.6	173.3	196.8	184.1	225.1
		88.8	215.1	304.0	199.2	31.5	230.7	133.7	217.6	351.3	161.6	224.5	386.1	192.3	233.6	425.9	224.0	245.5	469.5	258.1	263.1	521.2
		46.0	13.8	59.8	67.5	14.1	81.6	95.2	14.9	114.2	141.1	168	152.7	192.2	16.8	211.0	251.9	21.6	273.7	318.9	26.4	345.2
X	Tagoloan	3.7	39.4	43.1	6.2	0.8	7.0	9.8	39.5	49.3	14.0	39.6	53.6	18.7	39.8	58.4	23.8	40.0	63.8	39.5	40.3	69.8
	Others	26.7	133.1	159.8	36.7	15.2	51.9	46.8	133.7	183.5	65.0	135.4	200.4	81.9	137.7	219.6	100.0	140.6	240.7	119.7	145.0	264.7
	Total	30.4	172.5	202.9	42.9	16.0	58.9	56.6	173.2	233.0	79.0	175.0	253.8	100.6	177.5	269.0	109.8	181.2	304.5	159.4	184.3	333.5
		19.4	4.0	23.5	21.5	4.0	25.5	23.2	4.7	27.9	25.0	6.4	31.4	27.0	8.7	35.6	28.5	11.7	40.2	30.0	16.1	46.1
		39.0	38.6	77.5	44.8	11.3	56.3	50.9	39.8	90.7	57.6	43.1	100.6	64.8	47.5	112.2	224.0	245.5	409.5	258.1	263.1	521.2
XI	Agusan	4.8	72.6	77.4	7.0	72.7	79.7	9.2	72.9	82.1	14.1	76.8	90.9	19.2	76.8	96.0	20.0	73.1	93.1	76.2	73.5	99.8
	Others	17.7	5.5	23.3	26																	

Table 4-34 MUNICIPAL AND INDUSTRIAL WATER DEMAND BY MAJOR RIVER BASIN (In Low Economic Scenario)

(unit: MCM/year)

WRR	Major River Basin	1995		2000		2005		2010		2015		2020		2025		
		Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total	Municipal	Industrial	Total
I	Abra	2.0	19.6	21.6	3.0	19.7	22.7	5.3	106.4	111.7	7.1	20.1	27.2	9.0	20.2	29.2
	Laocag	0.4	3.4	3.9	0.6	3.5	4.1	0.8	8.5	9.3	1.4	3.5	5.0	1.8	3.6	5.4
	Others	44.9	409.9	454.8	57.1	529.9	587.0	89.6	395.2	484.8	110.0	62.5	172.5	132.2	65.9	198.1
	Total	47.4	729.9	777.3	63.4	717.4	780.8	96.7	344.9	441.6	118.5	86.2	204.7	142.9	89.7	232.6
II	Agayayn	34.6	1.7	36.3	44.0	27.7	47.0	57.0	3.7	64.1	71.7	7.7	80.6	88.3	3.0	93.2
	Abulog	0.0	5.1	5.1	0.0	5.1	5.1	0.0	40.8	40.8	0.0	5.1	5.1	0.0	5.1	5.1
	Others	4.7	9.3	14.0	6.1	9.5	15.6	7.8	9.6	17.4	9.8	21.8	21.8	14.3	9.9	24.2
	Total	39.3	16.1	55.4	50.1	32.3	62.4	64.6	53.4	53.2	81.5	19.6	103.1	119.4	20.6	140.0
III	Pampanga	129.2	64.2	193.4	173.5	71.7	245.2	238.3	93.5	330.0	260.5	72.8	423.4	483.0	174.4	617.4
	Agno	26.5	11.0	37.5	35.5	12.5	48.0	46.5	17.0	63.5	59.1	81.9	73.8	27.8	101.6	129.4
	Others	60.8	134.0	194.8	88.4	137.5	225.9	122.7	147.6	270.3	206.8	172.1	380.9	260.1	185.2	446.3
	Total	216.5	209.3	425.8	297.3	221.2	518.5	307.6	368.2	729.0	518.6	326.8	886.3	749.9	303.2	1166.1
IV	Pasig-Laguna Bay	709.8	394.5	1,104.3	911.3	374.8	1,290.6	1,086.8	418.0	1,612.0	1,292.7	768.4	2,061.1	1,430.4	392.9	2,029.3
	Amnay-Parrek	50.1	0.1	50.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Others	501.3	251.2	752.5	651.5	231.3	905.9	742.0	272.2	1,148.0	938.7	515.3	1,452.0	1,540.7	356.8	1,897.6
	Total	1,261.1	658.8	1,919.9	1,662.9	606.1	2,067.7	1,828.9	690.2	2,760.0	2,227.5	1,313.3	2,477.3	2,469.9	849.8	3,319.8
V	Ricob	31.7	2.8	34.5	41.1	3.8	47.9	50.7	4.8	61.5	62.0	13.4	75.4	75.3	3.8	81.1
	Others	46.1	17.1	63.2	62.5	18.4	102.6	74.4	19.9	143.9	92.6	82.2	174.8	113.3	21.2	134.6
	Total	77.8	19.9	97.7	103.6	22.2	150.5	125.1	24.3	208.4	154.6	95.6	250.2	188.6	27.1	215.7
	Panay	0.2	2.0	2.2	0.3	2.0	2.3	0.4	2.0	2.4	0.5	1.9	2.3	0.7	2.0	2.6
VI	Ilog-Hitabangan	79.8	152.1	231.9	77.2	152.0	229.2	49.9	152.2	202.1	65.4	149.9	215.3	83.6	151.8	235.3
	Jalaur	0.7	0.5	1.2	0.9	0.5	1.4	1.2	0.5	1.8	2.1	0.5	2.6	2.5	0.5	3.1
	Others	78.6	414.0	492.6	108.0	414.1	522.1	150.2	414.7	561.1	191.6	408.6	600.2	344.5	413.5	658.0
	Total	159.1	566.6	725.7	186.1	566.6	733.2	197.7	566.6	733.2	259.2	566.6	733.2	410.1	566.6	733.2
VII	Total	123.8	165.8	289.6	183.6	163.6	348.3	233.5	219.4	452.9	330.7	248.4	499.1	276.8	267.2	544.0
	Total	51.2	31.4	82.6	61.5	32.5	94.0	68.7	57.4	126.1	115.0	82.8	202.8	183.5	90.8	274.3
	Total	72.2	32.2	104.4	102.1	31.1	142.8	104.8	62.0	128.7	115.0	82.8	202.8	183.5	90.8	274.3
	Total	0.1	1.9	2.0	0.2	1.9	2.1	0.3	1.9	2.4	0.6	1.9	2.4	0.6	1.9	2.5
X	Agusan	30.0	45.6	75.6	40.1	45.1	85.2	53.9	45.4	98.8	71.2	45.1	116.3	92.0	49.2	141.2
	Tugloan	32.1	56.4	88.5	43.0	55.8	97.5	37.9	56.1	113.4	79.4	55.7	132.2	98.8	60.2	159.0
	Others	20.8	106.5	127.3	24.2	106.2	130.4	38.3	106.4	144.7	50.9	105.3	156.2	66.3	108.8	175.1
	Total	83.1	208.5	291.6	107.3	207.6	273.1	129.9	207.6	273.1	173.1	207.6	273.1	129.9	207.6	273.1
XI	Tagur-Lubuganog	3.7	39.4	43.1	6.2	39.4	45.6	9.8	39.4	31.0	14.0	51.1	15.7	39.6	38.3	74.9
	Buayan-Mulungun	26.7	133.1	159.8	36.7	133.0	169.7	49.8	133.3	188.8	55.0	172.4	237.4	61.9	133.3	217.1
	Davao	19.4	4.0	23.5	21.5	3.9	25.5	23.2	4.2	27.5	27.0	6.2	33.2	28.5	7.0	35.5
	Others	30.0	38.6	77.5	44.8	38.3	83.1	50.9	49.9	107.5	64.8	42.7	107.5	71.7	44.3	116.0
XII	Total	88.8	215.1	303.9	109.2	214.7	323.9	133.7	215.8	358.4	164.6	278.6	426.2	223.8	214.6	441.1
	Mindanao	46.0	13.8	59.8	61.5	13.7	75.2	62.3	14.4	115.0	141.1	18.7	159.7	192.2	16.2	208.8
	Agus	4.8	72.6	77.4	7.6	72.6	80.2	10.3	72.7	93.2	14.6	98.1	112.7	20.0	73.9	92.8
	Others	17.7	5.5	23.2	26.0	5.5	31.5	38.3	5.8	44.6	34.4	6.3	40.6	57.1	6.8	103.9
Grand Total	Total	665.8	92.0	757.8	1,005.5	91.9	1,097.4	1,078.8	92.9	353.7	210.1	124.2	334.3	296.2	95.5	341.7
	Total	3,872.1	2,214.5	6,086.6	2,898.8	2,270.1	5,168.9	3,048.0	2,439.0	6,241.1	4,532.1	3,712.2	8,261.3	6,309.9	3,111.4	9,402.3
	Total	3,872.1	2,214.5	6,086.6	2,898.8	2,270.1	5,168.9	3,048.0	2,439.0	6,241.1	4,532.1	3,712.2	8,261.3	6,309.9	3,111.4	9,402.3
	Total	3,872.1	2,214.5	6,086.6	2,898.8	2,270.1	5,168.9	3,048.0	2,439.0	6,241.1	4,532.1	3,712.2	8,261.3	6,309.9	3,111.4	9,402.3

Table 4-35 ESTIMATED PALAY PRODUCTION

A. For High Economic Growth Scenario

	1996	2000	2005	2010	2015	2020	2025
Existing Service Area (ha.)	1361703.00	1361703.00	1361703.00	1361703.00	1361703.00	1361703.00	1361703.00
Wet Season (ha)	922597.59	1144017.82	1181935.78	1181935.78	1239537.62	1239537.62	1239537.62
Dry Season (ha)	718986.94	914841.08	951392.14	951392.14	1012802.58	1012802.58	1012802.58
Irrigated Area	1641584.53	2058858.90	2133327.92	2133327.92	2252340.20	2252340.20	2252340.20
New Service Area (ha.)	0.00	213053.00	522046.00	750000.00	1000000.00	1250000.00	1500000.00
Wet Season (ha)	0.00	213053.00	522046.00	750000.00	1000000.00	1250000.00	1500000.00
Dry Season (ha)	0.00	213053.00	522046.00	750000.00	1000000.00	1250000.00	1500000.00
Irrigated Area	0.00	426106.00	1044092.00	1500000.00	2000000.00	2500000.00	3000000.00
Total Service Area (ha)	1361703.00	1574756.00	1883749.00	2111703.00	2361703.00	2611703.00	2861703.00
Wet Season (ha)	922597.59	1357070.82	1703981.78	1931935.78	2239537.62	2489537.62	2739537.62
Dry Season (ha)	718986.94	1127894.08	1473438.14	1701392.14	2012802.58	2262802.58	2512802.58
Total Irrigated Area	1641584.53	2484964.90	3177419.92	3633327.92	4252340.20	4752340.20	5252340.20
Yield (MT/ha.)	3.73	4.00	4.60	5.00	5.20	5.40	5.50
Production (1000 MT)	6123.11	9939.86	14616.13	18166.64	22112.17	25662.64	28887.87
Production in GDP (1000 MF/year)	7201.40	8431.00	9836.00	11450.00	13310.00	15735.00	18818.00

B. For Low Economic Growth Scenario

	1996	2000	2005	2010	2015	2020	2025
Existing Service Area (ha.)	1361703.00	1361703.00	1361703.00	1361703.00	1361703.00	1361703.00	1361703.00
Wet Season (ha)	922597.59	1144017.82	1181935.78	1181935.78	1239537.62	1239537.62	1239537.62
Dry Season (ha)	718986.94	914841.08	951392.14	951392.14	1012802.58	1012802.58	1012802.58
Irrigated Area	1641584.53	2058858.90		2133327.92	2252340.20	2252340.20	2252340.20
New Service Area (ha.)	0.00	213053.00	522046.00	584180.00	584180.00	584180.00	584180.00
Wet Season (ha)	0.00	213053.00	522046.00	584180.00	584180.00	584180.00	584180.00
Dry Season (ha)	0.00	213053.00	522046.00	584180.00	584180.00	584180.00	584180.00
Irrigated Area	0.00	426106.00	1044092.00	1168360.00	1168360.00	1168360.00	1168360.00
Total Service Area (ha)	1361703.00	1574756.00	1883749.00	1945883.00	1945883.00	1945883.00	1945883.00
Wet Season (ha)	922597.59	1357070.82	1703981.78	1766115.78	1823717.62	1823717.62	1823717.62
Dry Season (ha)	718986.94	1127894.08	1473438.14	1535572.14	1596982.58	1596982.58	1596982.58
Total Irrigated Area	1641584.53	2484964.90	3177419.92	3301687.92	3420700.20	3420700.20	3420700.20
Yield (MT/ha.)	3.73	4.00	4.60	5.00	5.20	5.40	5.50
Production (1000 MT)	6123.11	9939.86	14616.13	16508.44	17787.64	18471.78	18813.85
Production in GDP (1000 MF/year)	7201.40	8431.00	9836.00	11450.00	13310.00	15735.00	18818.00

Table 4-36 LIST OF NATIONAL IRRIGATION SYSTEMS AS OF 1996 (1/2)

SYSTEM	WRR*	Province Served	No. of Systems	Service Area (ha)	Actual Irrigated Area (ha)			Cropping Intensity (%)		
					Wet	Dry	Total	Wet	Dry	Total
Region 1										
Agno-Sinucalan	III	Pangasinan	2	12130	7046	5000	12046	58.09	41.22	99.31
Anbuayan-Dipolo	III	Pangasinan	3	6362	3250	792	4042	51.57	12.57	64.14
Anburayan	I	La Union	1	3420	3250	2590	5840	95.03	75.73	170.76
Ilocos Norte	I	Ilocos Norte	8	6175	5038	4240	9278	81.59	69.66	150.25
Ilocos Sur	I	Ilocos Sur	3	3840	3370	1238	4608	57.76	32.24	120
Lower Agno-Fotonugaon	III	Pangasinan	1	7500	3772	2025	5797	50.29	27.60	77.29
Masatip	I	La Union	1	1585	1500	716	2016	82.02	45.17	127.19
San Fabian-Dumaleoc	III	Pangasinan	2	3594	2395	1357	3752	66.64	38.59	105.23
Subtotal			21	44546	29421	17988	47409	66.03	40.38	106.43
Region 2										
Abulog-Apayao-Pamplona	II	Cagayan-Apayao	2	10875	4500	5032	9532	41.30	46.19	87.49
Baggao	II	Cagayan	1	1812	1020	1451	2501	56.29	81.73	138.02
Banabar	II	Cagayan	1	1687	680	990	1670	62.56	91.08	153.63
Bata	II	Cagayan	1	1353	452	746	1198	33.41	55.14	88.54
Dumaman	II	Cagayan	1	1562	962	1355	2317	64.05	92.21	156.26
IAAFIS	II	Cagayan	1	2306	950	1300	2250	42.50	56.37	98.87
Lower Chico	II	Cagayan	1	1856	1226	895	2121	66.06	48.22	114.28
Magapit	II	Cagayan	1	7500	3730	7170	10900	40.73	95.60	145.33
Mallig	II	Isabela	1	2427	1370	1480	2850	56.45	60.95	117.43
MARHS District I	II	Isabela	1	24654	15662	18292	37644	77.38	78.91	156.5
MARHS District II	II	Isabela	1	24468	21995	21947	43942	59.59	89.70	179.59
MARHS District III	II	Isabela-Irigaon	1	24793	15763	16549	33302	67.61	66.71	134.32
MARHS District IV	II	Isabela	1	24087	17266	17266	34533	73.06	73.07	146.17
San Pablo-Cabagan	II	Isabela	1	1273	656	696	1352	58.89	54.67	108.56
Solana-Tuguegarao	II	Cagayan	1	1900	679	507	1156	67.90	50.73	118.6
Pinacanauan	II	Cagayan	1	850	460	461	921	52.27	52.39	104.66
Tumauini	II	Isabela	1	2645	1651	2253	3904	45.67	62.32	107.99
Upper Chico (CAR)	II	Kalinga-Apayao-Isabela	1	17551	9689	9500	19289	55.20	58.70	109.90
Zamundugan	II	Cagayan	1	2045	1560	1560	3120	91.39	91.39	182.79
Subtotal			20	154504	104971	111089	216060	67.94	71.90	139.84
Region 3										
Bucay	III	Zambales	1	1231	No operation					
Angat-Matsum	III	Bulacan	1	31455	21555	26464	48019	68.46	84.65	152.51
Camiling	III	Tarlac	1	8600	6776	3250	5026	78.79	37.79	115.58
Colo-Caulaman	III	Bataan-Pampanga	2	1427	400	483	583	28.03	33.85	61.88
Nayom-Baylo	III	Zambales	2	1918	1650	1625	3275	84.70	83.42	168.12
NEPIS	III	Nueva Ecija	1	1313			0			0
Sto. Tomas	III	Zambales	1	3924	No operation					
TASMORIS	III	Tarlac	2	13976	No operation					
Porac-Gumain	III	Pampanga	1	4405	1933	2554	3585	23.41		81.38
UPRHS District I	III	Nueva Ecija	1	24962	20616	16577	37193	82.59	66.41	149
UPRHS District II	III	Nueva Ecija	1	23913	22682	13663	36345	94.85	54.63	149.48
UPRHS District III	III	Nueva Ecija	1	29846	20564	16052	36616	68.90	53.78	122.68
UPRHS District IV	III	Nueva Ecija	1	23511	17958	10809	28797	75.54	45.39	120.94
Subtotal			16	170841	113262	90877	204139	66.30	53.19	119.49
Region 4										
Agos	IV	Quezon	1	1119	1119	1119	2238	100.00	100.00	200
Amnay-Patrick	IV	Mindoro Occ.	1	2213	900	900	1800	40.67	40.67	81.34
Baco-Bucayao	IV	Mindoro Or.	1	6327	3928	3469	7397	62.08	54.83	116.91
Caguray	IV	Mindoro Occ.	1	3308	982	229	1211	29.69	6.92	36.61
Cantingas	IV	Romblon	1	256	284	256	540	110.94	100.00	210.94
Cavite-FLIS	IV	Cavite	1	15056	8425	3862	12287	64.38	29.51	93.59
Disait	III	Aurora	1	485	320	380	700	65.98	78.35	141.33
DHL	IV	Quezon	3	3309	2520	2787	5307	76.16	84.22	160.38
Laguna FLIS	IV	Laguna	6	3250	2130	1894	4021	65.54	58.18	123.72
Lumintao	IV	Mindoro Occ.	1	1504	1092	721	1723	66.62	47.94	114.56
Malatgo-Batang-Batang	IV	Palawan	2	3200	3434	2512	6001	108.88	78.66	187.53
Sta. Maria Mayor	IV	Laguna	2	1773	975	991	1966	54.99	55.59	110.59
Pagbahay	IV	Mindoro Occ.	1	1005	653	653	1306	64.98	61.98	126.95
Palco	IV	Batangas	1	856	826	826	1652	93.23	93.23	186.46
Pala-Bansud	IV	Mindoro Or.	2	3830	3343	3343	6686	87.28	87.28	174.57
Sta. Cruz-MMBL	IV	Laguna	5	4977	3377	3189	6557	67.55	63.89	131.75
Mag-asawang Tubig	IV	Mindoro Or.	1	1700	400	665	1065	23.53	39.12	62.65
Subtotal			31	52228	34658	27789	62457	66.38	53.21	119.59
Region 5										
Barit-Buhi-Lalo	V	Camarines Sur	2	9720	4824	4491	9315	49.63	46.20	95.83
Cagaycay	V	Camarines Sur	1	1755	506	1400	1906	28.83	79.77	108.6
Daet-Talisay-Matogdon	V	Camarines Norte	2	2746	2580	2526	5106	93.95	91.99	185.94
Inarayan-Tigman-Hinayangan	V	Camarines Sur	1	3542	2775	2776	5551	78.35	78.37	156.72
Libmanan-Cabusao	V	Camarines Sur	1	2503	No Operation					
MNOH	V	Albay	4	1946	1943	1941	3884	99.55		199.59
Puli-Bulan-San Francisco	V	Sorsogon	3	1200	950	850	1750	79.17		145.83
Subtotal			14	23412	13578	13934	27512	58.00	59.52	117.51

Table 4-36 LIST OF NATIONAL IRRIGATION SYSTEMS AS OF 1996 (2/2)

SYSTEM	WRR*	Province Served	No. of Systems	Service Area (ha)	Actual Irrigated Area (ha)			Cropping Intensity (%)		
					Wet	Dry	Total	Wet	Dry	Total
Region 6										
Agusan Sta. Barbara	VI	Iloilo	2	8262	7062	3385	10547	85.48	42.18	127.66
Aklan Panakayan	VI	Aklan	2	4816	4216	4216	8432	87.54	87.54	175.08
Bago	VI	Negros Occ.	1	12700	9723	8093	17816	76.56	63.72	140.28
Bacolod-Viejo	VI	Iloilo	1	1774	1400	983	2383	78.92	55.41	134.33
Batang-Saugue	VI	Iloilo	3	14900	11556	8550	20106	80.25	59.38	139.63
Mambusao	VI	Capiz	1	1423	990	878	1868	69.57	61.70	131.27
Pangiplan	VI	Negros Occ.	1	1775	957	940	1897	53.92	52.96	106.87
Sabloni-San Jose	VI	Antique	1	5065	4375	3036	7411	85.38	59.94	146.32
System-Tighuan	VI	Iloilo	1	2070	1624	550	2174	80.40	27.23	107.62
Subtotal			13	52235	41903	30731	72634	80.22	58.83	139.05
Region 7 & 8										
Bio	VIII	Northern Leyte	1	1917	1502	1798	3597	94.00	93.64	187.64
Bomhan-Tibak	VIII	Northern Leyte	4	6041	4116	4122	8238	68.13	68.23	136.37
Maiti-Pongso	VIII	Northern Leyte	2	2181	1760	1478	3238	80.59	67.67	148.26
Dagupan-Guinarona	VIII	Northern Leyte	2	1496	750	683	1633	50.13	59.02	109.16
Bio	VIII	Northern Leyte	1	1411	1332	1313	2645	94.40	93.05	187.46
Baire-Ibasan-Gibuga	VIII	Northern Leyte	4	3715	1388	1273	2661	80.93	74.23	155.16
Hindang-Hilogos-Daway	VIII	No.-So. Leyte	2	1078	1078	1078	2156	100.00	100.00	200
Subtotal			16	15842	12226	11942	24168	77.17	75.38	152.56
Region 9										
Dipola	IX	Misamis Occ.	1	1900	929	821	1750	58.06	51.31	109.38
Lahugan	IX	Zamboanga Sur	1	3195	2500	1966	4466	78.25	61.53	139.78
Salong	IX	Zamboanga Sur	1	7224	5995	5600	11595	82.99	77.52	160.51
Sibuguey Valley	IX	Zamboanga Sur	1	3143	2300	2310	4610	73.18	73.50	146.68
Subtotal			4	15162	11724	10697	22421	77.32	70.55	147.88
Region 10										
Minopali	XII	Bukidnon	1	4395	1311	1627	2938	29.84	37.02	66.85
Muleta	XII	Bukidnon	1	4062	1326	1272	2598	32.64	31.31	63.96
Pulangui	XII	Bukidnon	1	8547	8263	8336	16599	96.68	97.53	194.21
Roxas Kuya	XII	Bukidnon	1	753	763	784	1547	101.33	104.42	205.44
Rugian	XII	Lanao del Sur	1	2500	207	154	361	8.28	6.16	14.44
Subtotal			5	20257	11870	12173	24043	58.60	60.09	118.69
Region 11										
Alah I	XII	South Cotabato	1	10539	11970	6075	18045	113.58	57.64	171.22
Batu	X	Davao del Norte	1	3269	3197	3135	6332	97.80	95.90	193.7
Bayan	XI	South Cotabato	1	710	587	530	1117	82.68	74.65	157.32
Lasang	XI	Davao del Norte	1	4480	4373	4432	8805	59.27	99.60	197.87
Lupon	XI	Davao Oriental	1	2131	2245	2245	4390	105.35	105.35	210.7
Padada	XI	Davao del Sur	1	3512	3529	3393	6922	100.48	96.61	197.1
Saug	XI	Davao del Norte	1	2941	3003	2675	5628	102.11	89.26	191.36
Suay	XI	South Cotabato	1	1406	1246	1225	2471	88.62	87.13	175.75
Banga-Marbel	XII	South Cotabato	3	5157	5315	4428	9743	103.06	85.86	158.93
Libuganon	XI	Davao del Norte	1	7053	10226	8338	19064	151.22	117.55	268.77
Saug-Libuganon	XI	Davao del Norte	1	479	469	500	969	97.51	104.38	202.3
Dunaguit	XII	South Cotabato	1	2300	1361	1300	2661	59.17	56.52	115.7
Lambayong	XII	South Cotabato	1	11033	10139	4033	14172	91.90	36.55	128.45
Kipalka	XI	Davao del Norte	1	1500	2359	1797	4156	157.27	119.80	277.07
Mal	XI	Davao del Sur	1	2809	2565	2584	5152	102.35	102.99	205.34
Subtotal			17	59029	63087	46640	109727	106.87	79.01	185.89
Region 12										
Alah 2 - Lambayong	XII	South Cotabato	1							
Kabacan-Pagdungan	XII	No. Cota-Maguindanao	2	5018	4409	4305	8795	87.68	87.58	175.27
Libugan	XII	No. Cota-Maguindanao	4	9360	8799	5596	14395	91.01	59.79	153.79
Mabisla	XII	North Cotabato	1	4066	3369	3193	6553	83.87	79.71	163.58
Milag	XII	North Cotabato	1	2081	2100	1913	4013	70.45	64.17	134.62
Talayan	XII	Maguindanao	1	709	35	358	703	5.00	51.14	56.14
Maranding	XII	Lanao del Norte	1	4500	3466	3437	6903	77.02	76.38	153.4
Ahp	XII	Maguindanao	1	2300	2233	1855	4088	97.09	80.65	177.74
Subtotal			9	25865	24393	20747	45140	81.51	71.68	156.35
CARAGA										
Anlanan	X	Agusan del Sur	1	3416	3096	3106	6202	90.63	90.93	181.56
Cabadbaran	X	Agusan del Norte	2	3212	2199	1932	4032	65.38	60.15	125.53
Camban	XI	Surigao del Sur	1	1756	1456	1500	2996	83.76	83.99	167.75
Gibong	X	Agusan del Sur	1	2156	2116	2156	4272	98.14	100.00	158.14
Sinulao	X	Agusan del Sur	1	2419	2180	2207	4387	102.88	104.15	207.03
Tago	XI	Surigao del Sur	1	2202	2345	2104	4449	106.49	95.55	202.04
Subtotal			7	14891	13333	13065	26338	89.54	87.33	176.87
TOTAL			173	651812	474436	407612	882048	72.79	62.54	135.32

*Water Resources Region

Source: National Irrigation Administration

Table 4-37 EXISTING COMMUNAL IRRIGATION SYSTEMS AS OF 1996 (2/2)

WATER REGION	PROVINCE	AMODERNIZING SYSTEMS										NON-AMODERNIZING & OTHER GOV'T AGENCY ASST										PRIVATE SYSTEMS										TOTAL				IRRIGATION INTENSITY (%)			
		Number	Service Area (ha)	Wet	Irrigated Area (ha)	Wet	Number	Service Area (ha)	Wet	Irrigated Area (ha)	Wet	Number	Service Area (ha)	Wet	Irrigated Area (ha)	Wet	Number	Service Area (ha)	Wet	Irrigated Area (ha)	Wet	Number	Service Area (ha)	Wet	Irrigated Area (ha)	Wet	Dry	Total											
VII	Bacolod	48	5,179.00	2,999.00	2,831.00	71	2,649.00	1,873.00	718.00	10%	10%	718.00	0.00	0.00	0.00	2,008.00	1,746.00	860.00	27%	27%	27%	9,576.00	6,318.00	4,379.00	66.37	46.49	112.82												
	Cebu	44	3,346.00	1,391.00	1,391.00	3	96.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.00	0.00	0.00	41.00	50	50	50	3,525.00	1,391.00	1,430.00	39.46	40.57	80.03												
	Negros Occ***	7	507.00	66.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	507.00	66.00	30.00	11.06	8.36	19.43												
	Negros Ori***	26	4,190.00	2,825.00	2,798.00	19	710.00	645.00	400.00	10	10	340.00	0.00	0.00	0.00	320.00	200.00	0.00	0.00	55	55	55	5,440.00	3,710.00	3,478.00	68.20	65.93	137.13											
	Siquay	5	315.00	97.00	98.00	15	110.00	98.00	72.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20	20	20	465.00	195.00	162.00	41.94	34.84	36.77											
	TOTAL	125	13,447.00	7,378.00	7,158.00	107	3,157.00	2,745.00	1,160.00	47	47	2,519.00	0.00	0.00	0.00	2,066.00	1,701.00	1,301.00	185	185	185	19,583.00	11,648.00	9,549.00	62.74	58.74	108.47												
VIII	Northern Leyte & Biliran	14	8,116.00	2,835.00	2,529.00	66	10,843.00	4,711.00	3,657.00	47	47	43,120.00	0.00	0.00	0.00	2,066.00	1,692.00	1,592.00	147	147	147	22,671.00	9,746.00	8,353.00	43.04	36.85	79.89												
	Southern Leyte	40	2,771.00	2,045.00	2,005.00	167	12,311.00	8,990.00	6,871.00	46	46	61,940.00	0.00	0.00	0.00	433.00	330.00	330.00	123	123	123	4,661.00	3,337.00	3,022.00	71.53	65.94	138.21												
	Eastern Samar	27	1,240.00	695.00	765.00	36	830.00	712.00	85.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63	63	63	2,099.00	911.00	490.00	43.40	21.44	64.84												
	Northern Samar	33	2,434.00	507.00	248.00	12	455.00	146.00	20.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45	45	45	2,889.00	453.00	268.00	15.68	9.28	24.96												
	Western Samar	23	1,633.00	331.00	321.00	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23	23	23	1,633.00	321.00	321.00	20.27	19.66	39.93												
	TOTAL	137	16,214.00	6,715.00	5,468.00	151	17,248.00	5,916.00	4,449.00	93	93	49,111.00	0.00	0.00	0.00	2,637.00	2,299.00	2,299.00	403	403	403	33,893.00	13,700.00	12,416.00	41.64	36.63	96.27												
IX	Basian	2	186.00	110.00	130.00	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	2	2	186.00	110.00	130.00	59.69	69.89	139.24												
	Misamis Occ.	32	3,536.00	3,010.00	2,993.00	8	1,443.00	1,443.00	1,443.00	5	5	115.00	0.00	0.00	0.00	115.00	0.00	0.00	45	45	45	5,176.00	4,581.00	4,551.00	89.29	85.96	176.24												
	Sulu	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00												
	Tawi-Tawi	0	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00												
	Zamboanga Norte	51	5,344.00	3,431.00	2,941.00	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51	51	51	5,344.00	3,431.00	2,941.00	71.73	55.78	127.51												
	TOTAL	85	9,140.00	5,456.00	5,077.00	42	17,316.00	10,140.00	915.00	30	30	1,972.00	0.00	0.00	0.00	1,832.00	1,349.00	1,349.00	176	176	176	12,890.00	8,200.00	7,291.00	67.49	56.56	124.06												
X	Zamboanga Sur	130	19,268.00	12,827.00	11,131.00	50	1,811.00	2,457.00	2,168.00	35	35	2,067.00	1,947.00	1,444.00	274	274	2,536.00	1,947.00	1,444.00	724	724	724	33,536.00	17,331.00	14,683.00	73.21	63.53	136.74											
	Aguian Norte	24	2,688.00	1,405.00	916.00	36	1,022.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74	74	74	3,710.00	1,905.00	916.00	27.02	16.45	43.46												
	Aguian Sur	17	2,490.00	661.00	669.00	29	1510.00	648.00	307.00	41	41	1,615.00	467.00	0.00	0.00	0.00	0.00	0.00	87	87	87	5,615.00	1,576.00	976.00	28.07	17.38	45.45												
	Bukidnon***	7	2,010.00	452.00	370.00	2	54.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9	9	9	2,105.00	452.00	422.00	21.47	20.05	41.52												
	Campagna	9	373.00	160.00	161.00	3	125.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13	13	13	528.00	170.00	171.00	32.36	33.66	67.13												
	TOTAL	153	26,865.00	14,453.00	12,827.00	118	14,767.00	6,519.00	5,887.00	135	135	6,519.00	2,477.00	2,477.00	2,477.00	2,477.00	2,477.00	2,477.00	403	403	403	33,893.00	13,700.00	12,416.00	41.64	36.63	96.27												
XI	Davao Oriental	8	1,038.00	681.00	671.00	12	3,130.00	2,007.00	2,077.00	20	20	3,311.00	2,512.00	2,478.00	40	40	7,469.00	5,135.00	5,260.00	40	40	40	7,469.00	5,260.00	5,135.00	70.42	65.72	136.15											
	Davao Occidental	11	1,405.00	699.00	565.00	10	735.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22	22	22	2,140.00	679.00	563.00	29.12	26.09	56.11												
	Davao Sur	24	6,715.00	5,483.00	5,289.00	21	1776.00	864.00	829.00	16	16	4,407.00	1,180.00	1,100.00	61	61	12,878.00	7,527.00	7,216.00	61	61	61	12,878.00	7,527.00	7,216.00	58.45	56.05	114.50											
	Surigao Sur	25	2,912.00	852.00	695.00	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25	25	25	2,912.00	852.00	697.00	29.26	23.94	53.19												
	South Cotabato***	92	16,972.00	10,743.00	9,848.00	45	5,621.00	3,911.00	3,856.00	37	37	7,738.00	3,717.00	3,554.00	172	172	30,791.00	17,186.00	16,299.00	172	172	172	30,791.00	17,186.00	16,299.00	55.40	53.68	111.07											
	TOTAL	218	26,142.00	14,422.00	13,080.00	118	14,767.00	6,519.00	5,887.00	135	135	6,519.00	2,477.00	2,477.00	2,477.00	2,477.00	2,477.00	2,477.00	403	403	403	33,893.00	13,700.00	12,416.00	41.64	36.63	96.27												
XII	Bulacan***	21	4,475.00	3,142.00	3,050.00	12	874.00	145.00	635.00	31	31	2,547.00	1,817.00	1,817.00	64	64	7,916.00	5,287.00	5,202.00	64	64	64	7,916.00	5,287.00	5,202.00	65.72	63.72	107.24											
	Lanao del Norte	26	7,274.00	5,190.00	3,373.00	14	933.00	463.00	334.00	36	36	1,164.00	920.00	814.00	76	76	9,375.00	6,579.00	4,521.00	76	76	76	9,375.00	6,579.00	4,521.00	70.18	48.22	118.40											
	Lanao del Sur	9	1,237.00	647.00	402.00	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0	0	0.00	0.00	9	9	9	1,237.00	647.00	402.00	52.30	32.50	84.80												
	Misamis Occ.	47	8,699.00	3,657.00	2,450.00	8	460.00	115.00	30.00	4	4	325.00	0.00	0.00	0.00	0.00	0.00	0.00	59	59	59	9,174.00	3,772.00	2,470.00	40.23	26.35	66.58												
	North Cotabato	43	5,999.00	4,323.00	3,623.00	15	1,771.00	0.00	0.00	14	14	2,074.00	940.00	606.00	72	72	9,744.00	5,263.00	4,526.00	72	72	72	9,744.00	5,263.00	4,526.00	54.01	46.47	100.48											
	TOTAL	136	26,484.00	14,422.00	13,080.00	118	14,767.00	6,519.00	5,887.00	135	135	6,519.00	2,477.00	2,477.00	2,477.00	2,477.00	2,477.00	2,477.00	403	403	403	33,893.00	13,700.00	12,416.00	41.64	36.63	96.27												
GRAND TOTAL		2,961	231,470.00	149,243.00	131,283.00	2,522	270,162.00	120,774.00	104,640.00	4,128	4,128	142,516.00	140,544.00	142,488.00	9,111	9,111	671,188.00	424,883.00	394,518.00	65,533	65,533	65,533	294,518.00	167,243.00	151,283.00	43.89	40.22	100.22											

* Province divided by water resources region
 Irrigation Intensity, % = Total Irrigated Area (Wet + Dry) / Total Service Area x 100
 Data do not include individual pump
 Source: National Irrigation Administration

Table 4-38 NEW IRRIGATION AREAS TO BE DEVELOPED BY NIA & BSWM (US)

(UNIT: ha)

WATER RESOURCES REGION / PROVINCE	POTENTIAL IRRIGABLE AREA	EXISTING AREA	NEW IRRIGATION AREAS TO BE DEVELOPED BY NIA & BSWM																	
			1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006							
I																				
ABRA	16740.0	12933.0	313.0	193.0	316.00	414.0	259	314	335.0	336.0	382	404.0								
BENGUET***	6713.0	6480.0	134.0	99.0	0.00	0.0	0	0	0.0	0.0	0	0.0								
ILOCOS NORTE	49660.0	37630.5	300.0	17.0	24.00	0.0	0	500	1200.0	1500.0	2000	2000.0								
ILOCOS SUR	30034.0	17530.0	1193.0	1706.0	809.00	1367.0	1042	1920	2474.0	1880.0	60	51.0								
LA UNION	17067.0	15311.0	760.0	218.0	390.00	366.0	0	0	0.0	0.0	0	0.0								
TOTAL	120214.0	89904.5	2706.0	2235.0	1539.0	2149.0	1301.0	2724.0	4009.0	3716.0	2442.0	2455.0								
II																				
BATANES	225.0	25.0	0.0	200.0	0.00	0.0	0	0	0.0	0.0	0	0.0								
CAGAYAN	147280.0	49401.0	2746.0	2549.0	1924.00	1922.0	1014	1042	1070.0	1070.0	1127	1155.0								
IRIGAO	19410.0	7117.0	445.0	96.0	128.00	250.0	269	344	365.0	371.0	407	432.0								
ISABELA	252870.0	120916.5	1230.0	1844.0	3976.00	3204.0	1014	1042	1070.0	1070.0	1127	1155.0								
KALINGA-APAYAO	47860.0	21091.8	330.0	4177.0	2493.00	387.0	269	364	395.0	396.0	422	431.0								
MT. PROVINCE	10809.0	7942.0	721.0	1086.0	450.00	0.0	0	65	70.0	70.0	55	50.0								
NUOVA VIZCAYA	48520.0	24217.0	1380.0	671.0	639.00	1146.0	1014	1042	1070.0	1070.0	2627	6955.0								
QUIRINO	23970.0	4536.0	1233.0	690.0	1976.00	2010.0	1014	1042	1070.0	1070.0	1127	1155.0								
TOTAL	659444.0	235246.3	8094.0	11513.0	11686.0	8919.0	4594.0	4941.0	5110.0	6117.0	6892.0	9033.0								
III																				
AURORA	16630.0	11847.0	191.0	129.0	445.00	93.0	148	141	158.0	158.0	169	170.0								
BATAAN	11520.0	7818.0	1172.0	480.0	480.00	317.0	232	241	259.0	259.0	252	0.0								
BENGUET***	4301.0	4301.0	0.0	0.0	0.00	0.0	0	0	0.0	0.0	0	0.0								
BULACAN	51970.0	35704.5	714.0	480.0	480.00	237.0	232	241	259.0	259.0	297	316.0								
NUOVA ECUIA	208640.0	120151.6	994.0	871.0	5269.00	8902.0	8128	11646	15359.0	3239.0	5597	6316.0								
PAMPANGA	57370.6	43036.6	2272.0	2830.0	3333.00	4955.0	0	0	0.0	0.0	0	0.0								
PANGASINAN	180500.0	98399.6	1052.0	1660.0	857.00	3430.0	3642	3580	4117.0	6117.0	18195	2815.0								
TARLAC	214530.0	39732.7	2134.0	526.0	452.00	1203.0	2322	241	259.0	259.0	297	316.0								
ZAMBALES	38200.0	14418.9	2051.0	460.0	452.00	203.0	2492	1141	259.0	259.0	297	316.0								
TOTAL	683461.6	375409.9	10580.0	7382.0	11788.0	19260.0	16476.0	17231.0	20470.0	10570.0	24802.0	10249.0								
IV																				
BATANGAS	9260.0	3753.5	440.0	185.0	241.00	344.0	148	399	2160.0	110.0	133	144.0								
CAVITE	23760.0	13414.0	191.0	71.0	80.00	93.0	148	99	110.0	110.0	185	190.0								
LAGUNA	27510.0	14916.0	300.0	176.0	3228.00	369.0	148	99	110.0	110.0	133	144.0								
MARINIQUE	2190.0	1020.0	176.0	57.0	60.00	74.0	148	99	110.0	110.0	133	144.0								
MINDORO OCC.	56170.0	22374.0	326.0	681.0	263.00	311.0	148	99	110.0	110.0	130	144.0								
MINDORO OR.	56710.0	20307.0	289.0	57.0	60.00	69.0	148	99	110.0	110.0	133	226.0								
PALAWAN	28610.0	14357.0	630.0	1659.0	675.00	449.0	148	199	230.0	230.0	213	203.0								
QUEZON	27850.0	14743.0	521.0	338.0	80.00	98.0	148	99	110.0	110.0	133	144.0								
RIZAL	9330.0	3312.0	238.0	57.0	144.00	169.0	148	99	110.0	110.0	133	144.0								
ROMBLON	3570.0	1956.0	430.0	176.0	229.00	370.0	148	169	110.0	110.0	133	144.0								
TOTAL	246960.0	110192.5	3531.0	3457.0	5060.0	2346.0	1480.0	1460.0	3560.0	1210.0	3480.0	1636.0								

Table 4-38 NEW IRRIGATION AREAS TO BE DEVELOPED BY NIA & BSWM (3/3)

(UNIT: ha)

WATER RESOURCES REGION / PROVINCE	POTENTIAL EXISTING IRRIGABLE AREA	NEW IRRIGATION AREAS TO BE DEVELOPED BY NIA & BSWM										
		1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
X												
AGUSAN NORTE	52490.0	9657.0	413.0	1224.0	450.00	1034.0	7658	504	542.0	542.0	589	612
AGUSAN SUR	56450.0	13578.0	383.0	194.0	209.00	513.0	1436	1554	492	592	629	639
BUKIDNON***	7718.0	2738.7	0.0	0.0	500.00	500.0	1000	0	0.0	0.0	0	0.0
CAMIGUIN & Misamis Or.	14000.0	2758.0	416.0	756.0	363.00	429.0	249	346	394.0	324.0	399	437.0
DAVAO NORTE***	17884.0	5628.5	266.0	194.0	167.00	284.0	306	409	441.0	441.0	366	458.0
SURIGAO DEL NORTE	13070.0	6530.0	368.0	179.0	189.00	461.0	436	1044	1078.0	1242.0	1299	577.0
TOTAL	161312.0	40894.2	1786.0	2546.0	1878.0	3221.0	11085.0	2857.0	3947.0	3141.0	3282.0	2723.0
XI												
DAVAO NORTE***	80976.0	25630.0	139.0	100.0	0.00	0.0	0	100	110.0	110.0	80	80.0
DAVAO ORIENTAL	17770.0	4311.0	1036.0	194.0	167.00	284.0	306	404	426	351	395	418
DAVAO SUR & Samangani	31280.0	20401.0	612.0	337.0	228.00	342.0	306	369	401	401	459	418
SOUTH COTABATO***	23135.0	6045.5	0.0	0.0	0.00	0.0	0	50	60	60	45	35
SURIGAO SUR	40290.0	7028.0	787.0	194.0	109.00	486.0	436	464	492	492	559	557
TOTAL	195451.0	63435.5	2576.0	826.0	704.0	1112.0	1048.0	1387.0	1489.0	1414.0	1538.0	1506.0
XII												
BUKIDNON***	79982.0	26367.0	456.0	1096.0	363.00	529.0	249	396	1534	2474	3509	507
LANAO DEL NORTE	16072.0	14355.0	2460.0	1000.0	0.00	0.0	0	50	60	60	40	27
LANAO DEL SUR	47193.0	3927.0	485.0	530.0	575.00	877.0	1836	1943	1804	1004	1133	1119
MACUINDAÑO	109410.0	14075.7	640.0	6245.0	2586.00	853.0	836	1463	3529	6029	8147	1119
NORTH COTABATO	141360.0	31300.6	1491.0	1436.0	4203.00	7282.0	3106	1822	3879	6379	8492	1548
SOUTH COTABATO***	77245.0	20695.0	353.0	237.0	228.00	357.0	306	329	351	351	396	418
SULTAN KUDARAT	51870.0	29863.5	506.0	194.0	167.00	284.0	306	464	501	501	511	512
TOTAL	524829.0	146633.8	6413.0	10648.0	8122.0	10182.0	6639.0	6487.0	11658.0	16798.0	22228.0	5250.0
GRAND TOTAL	3138469.6	1361703.1	50932.0	50071.0	52953.0	50997.0	51918.0	48314.0	68128.0	88217.0	82524.0	62134.0

Table 4-40 PROJECTED POPULATION OF LIVESTOCK & POULTRY (High Economic Growth Scenario) (1/3)

WATER RESOURCES REGION/PROVINCE	1996*		2000		2005		2010		2015		2020		2025	
	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN
	(unit : head)													
II														
Abri	93,063	277,200	112,497	1,408,937	115,541	1,843,911	136,939	2,408,981	167,765	3,219,410	207,347	4,397,878	268,480	6,063,793
Bengkulu**	194,462	481,150	485,252	988,415	56,079	1,089,954	56,079	1,089,954	69,465	2,258,488	87,971	3,085,209	116,714	4,307,917
Ilokos Norte	76,659	978,356	222,653	4,972,803	229,653	6,507,934	277,954	8,502,313	336,968	11,362,659	417,407	15,521,969	540,696	21,472,276
Ilokos Sur	137,708	1,092,714	172,483	5,594,064	178,105	7,286,643	215,470	9,396,130	254,400	12,640,816	311,487	17,336,300	398,771	23,982,126
La Union	142,895	810,131	173,609	4,117,747	177,991	5,388,924	219,608	7,040,369	271,024	9,404,888	342,077	12,853,019	452,246	17,790,191
TOTAL	584,636	3,352,863	724,898	17,041,985	746,542	22,301,987	900,071	29,137,747	1,099,622	38,640,261	1,366,219	53,194,375	1,776,906	71,586,302
III														
Batangas	3,181	17,604	3,181	16,168	3,181	16,168	3,181	16,168	3,181	16,168	3,181	16,168	3,181	16,168
Cagayan	338,365	1,760,467	392,408	8,948,129	399,501	11,710,481	484,623	15,299,176	590,279	20,446,122	737,003	27,930,441	965,862	38,637,503
Irigayon	79,234	394,835	96,604	2,006,975	99,113	2,626,543	122,053	3,451,451	150,369	4,385,859	189,438	6,264,516	219,014	6,666,002
Iwahig	351,307	3,003,313	400,500	15,265,287	430,630	19,977,789	519,383	26,100,015	628,827	34,880,576	779,651	47,648,639	1,013,236	65,914,622
Kalinga Apayao	85,016	224,022	98,305	1,138,663	100,492	1,490,176	124,581	1,946,843	154,366	2,601,799	196,341	3,554,189	261,697	4,916,679
Mt. Province	82,614	182,170	100,381	925,937	102,752	1,211,740	129,972	1,583,132	163,730	2,115,728	210,567	2,890,192	283,589	3,998,140
Nueva Vizcaya	106,884	551,165	129,955	2,801,470	133,117	3,666,304	166,862	4,793,849	208,634	6,401,248	266,543	8,744,431	356,623	12,096,586
Quirino	61,175	481,343	74,847	2,446,574	76,797	3,201,854	95,325	4,183,687	118,212	5,490,333	149,833	7,636,679	198,000	10,264,181
TOTAL	1,044,595	6,600,516	1,313,500	33,549,207	1,342,604	43,906,086	1,642,800	57,361,177	2,014,642	76,658,610	2,539,878	104,719,556	3,329,800	144,863,529
IV														
Aurora	34,186	144,483	40,725	734,380	41,652	961,089	50,610	1,255,616	61,682	1,678,030	76,980	2,292,275	100,730	3,171,012
Bataan	38,816	327,818	46,856	1,666,238	47,993	2,180,618	59,038	2,848,872	72,804	3,807,289	91,762	5,200,950	121,203	7,194,721
Benguet**	36,341	194,462	44,151	988,415	45,252	1,233,545	56,079	1,689,954	69,466	2,258,488	87,972	3,085,209	116,715	4,307,917
Bulacan	745,734	6,017,579	999,290	30,586,345	924,051	40,028,437	1,246,597	52,295,216	1,640,955	69,888,360	2,211,937	95,471,051	3,092,166	132,009,632
Nueva Ecija	342,621	5,721,163	413,249	29,079,617	422,866	38,936,703	531,081	49,719,240	665,249	66,445,775	852,120	99,798,305	1,142,601	131,238,005
Pangasinan	139,082	5,974,675	168,704	30,368,172	172,347	39,743,043	225,126	51,922,363	290,851	69,390,072	362,469	94,790,364	525,871	125,564,100
Tarlac	339,091	2,772,976	427,191	14,094,526	441,643	18,445,607	521,229	24,098,283	618,183	32,205,434	749,371	43,994,200	949,228	60,859,346
Zambales	205,135	1,929,482	249,838	9,807,202	256,501	12,838,754	311,568	16,767,086	379,373	22,469,067	472,654	30,611,025	616,847	42,346,927
TOTAL	1,966,551	23,883,209	2,402,261	121,393,951	2,460,320	51,325,232	3,282,300	60,572,949	4,321,270	9,297,858	187,013	12,701,346	242,299	17,570,375
V														
Butangas	391,088	11,253,410	485,253	59,740,418	497,694	78,182,710	644,436	102,141,928	826,521	136,504,490	1,079,290	186,472,069	1,473,429	257,955,655
Cavite	167,862	582,129	207,147	2,958,854	212,078	3,872,274	279,138	5,058,938	362,549	6,760,865	478,661	9,235,686	660,173	12,776,162
Laguna	211,027	3,849,235	256,939	19,564,952	261,841	25,604,792	310,298	44,705,142	408,406	61,031,482	610,817	61,069,495	849,853	94,480,328
Morobe**	82,017	243,121	98,621	1,235,729	100,775	1,617,221	127,418	2,112,821	160,505	2,525,515	268,481	3,857,202	278,234	5,335,850
Mindoro Occidental	107,361	466,338	126,682	2,370,310	131,590	3,102,042	155,742	4,052,665	184,873	5,416,065	224,765	7,398,620	286,175	10,214,962
Mindoro Oriental	92,868	508,643	112,451	2,849,291	115,880	3,781,236	137,001	4,940,002	163,384	6,661,916	199,489	9,018,552	255,038	12,475,791
Palawan	156,250	469,434	194,132	2,386,047	199,597	3,122,636	249,990	4,079,573	312,119	5,452,022	397,648	7,447,239	531,018	10,302,810
Quezon	289,015	2,577,368	342,999	13,100,287	349,842	17,144,439	438,814	22,398,379	549,337	29,933,637	703,043	40,890,868	943,116	56,566,278
Rizal	202,816	3,066,428	246,494	15,546,089	251,218	20,397,625	339,475	26,648,510	449,714	35,613,596	603,917	48,649,681	846,048	67,293,226
Romblon	79,865	641,766	100,335	3,261,978	103,585	4,208,974	124,952	5,577,298	151,288	7,453,491	186,758	10,181,448	241,500	14,045,033
TOTAL	1,776,919	24,217,672	2,172,733	123,093,985	2,224,180	161,093,949	2,846,234	210,461,440	3,618,515	281,296,838	4,691,167	384,222,060	6,384,565	53,512,908

Table 4-40 PROJECTED POPULATION OF LIVESTOCK & POULTRY (High Economic Growth Scenario) (2/3)

WATER RESOURCES REGION / PROVINCE	1990*			2000			2005			2010			2015			2020			2025		
	LIVESTOCK	CHICKEN	LIVESTOCK	LIVESTOCK	CHICKEN	LIVESTOCK	LIVESTOCK	CHICKEN	LIVESTOCK	LIVESTOCK	CHICKEN	LIVESTOCK	LIVESTOCK	CHICKEN	LIVESTOCK	LIVESTOCK	CHICKEN	LIVESTOCK	LIVESTOCK	CHICKEN	
V																					
Albay	176,419	640,596	208,200	3,469,459	212,438	4,540,306	261,113	5,931,951	321,462	7,927,576	405,238	10,829,472	535,770	14,980,922	535,770	14,980,922	535,770	14,980,922	535,770	14,980,922	535,770
Camarines Norte	100,732	346,259	118,664	1,719,971	121,015	2,303,286	149,313	3,090,112	184,638	4,021,463	233,221	5,493,523	309,315	7,592,451	309,315	7,592,451	309,315	7,592,451	309,315	7,592,451	309,315
Camarines Sur	270,795	1,208,595	320,988	8,686,597	327,667	11,366,093	404,953	14,851,864	500,818	19,848,324	633,845	27,113,819	841,193	37,507,832	841,193	37,507,832	841,193	37,507,832	841,193	37,507,832	841,193
Catanduanes	55,113	186,031	63,960	945,561	68,034	1,237,463	80,647	1,616,685	100,086	2,160,570	127,176	2,951,449	169,572	4,082,879	169,572	4,082,879	169,572	4,082,879	169,572	4,082,879	169,572
Marikina	170,941	938,323	206,672	4,734,074	212,403	6,221,691	249,519	8,126,338	294,906	10,562,872	356,829	14,839,235	451,872	20,527,818	451,872	20,527,818	451,872	20,527,818	451,872	20,527,818	451,872
Misamis	134,284	478,557	161,733	2,432,417	165,564	3,183,322	204,390	4,158,856	252,426	5,557,977	318,879	7,592,479	422,170	10,905,036	422,170	10,905,036	422,170	10,905,036	422,170	10,905,036	422,170
Sorsogon	908,304	4,332,751	1,060,257	22,047,969	1,041,122	26,854,360	1,349,935	37,698,826	1,654,154	46,378,783	2,075,188	64,819,977	2,729,850	94,201,637	2,729,850	94,201,637	2,729,850	94,201,637	2,729,850	94,201,637	2,729,850
TOTAL	1,139,456	4,332,751	1,060,257	22,047,969	1,041,122	26,854,360	1,349,935	37,698,826	1,654,154	46,378,783	2,075,188	64,819,977	2,729,850	94,201,637	2,729,850	94,201,637	2,729,850	94,201,637	2,729,850	94,201,637	2,729,850
VI																					
Atlan	96,539	744,965	118,936	3,786,520	121,934	4,955,445	153,745	6,474,060	193,115	8,652,046	247,593	11,819,137	332,297	16,462,973	332,297	16,462,973	332,297	16,462,973	332,297	16,462,973	332,297
Antique	124,124	598,922	154,226	4,569,035	159,096	5,979,555	188,775	7,811,999	224,983	10,440,110	274,249	14,261,720	349,630	19,728,914	349,630	19,728,914	349,630	19,728,914	349,630	19,728,914	349,630
Capiz	118,553	823,313	136,680	4,184,748	142,477	5,476,610	175,373	7,154,926	216,190	9,561,984	272,848	13,002,156	361,190	18,669,560	361,190	18,669,560	361,190	18,669,560	361,190	18,669,560	361,190
Iloilo & Guimaras	415,932	4,936,615	501,278	25,091,905	513,479	32,837,954	628,663	42,991,198	770,951	57,334,009	967,444	78,321,169	1,272,345	108,345,387	1,272,345	108,345,387	1,272,345	108,345,387	1,272,345	108,345,387	1,272,345
Negros Occ.***	384,328	3,966,853	459,811	20,132,286	469,832	26,347,266	586,523	34,421,428	731,285	46,091,477	932,189	62,840,355	1,245,376	86,930,043	1,245,376	86,930,043	1,245,376	86,930,043	1,245,376	86,930,043	1,245,376
Negros Or.***	1,139,456	4,332,751	1,060,257	22,047,969	1,041,122	26,854,360	1,349,935	37,698,826	1,654,154	46,378,783	2,075,188	64,819,977	2,729,850	94,201,637	2,729,850	94,201,637	2,729,850	94,201,637	2,729,850	94,201,637	2,729,850
TOTAL	1,139,456	4,332,751	1,060,257	22,047,969	1,041,122	26,854,360	1,349,935	37,698,826	1,654,154	46,378,783	2,075,188	64,819,977	2,729,850	94,201,637	2,729,850	94,201,637	2,729,850	94,201,637	2,729,850	94,201,637	2,729,850
VII																					
Bohol	326,884	2,192,684	404,292	11,453,009	415,715	14,585,552	513,277	19,055,318	633,509	25,465,904	799,077	34,787,719	1,055,319	48,123,501	1,055,319	48,123,501	1,055,319	48,123,501	1,055,319	48,123,501	1,055,319
Cebu	485,992	4,753,485	574,690	24,161,088	592,270	31,619,789	740,619	41,309,724	923,381	55,207,131	1,174,668	75,415,746	1,564,208	104,326,178	1,564,208	104,326,178	1,564,208	104,326,178	1,564,208	104,326,178	1,564,208
Negros Occ.***	344,463	1,671,352	433,715	8,495,174	447,101	11,117,695	555,427	14,524,731	688,737	19,411,137	872,016	26,516,569	1,155,232	36,681,669	1,155,232	36,681,669	1,155,232	36,681,669	1,155,232	36,681,669	1,155,232
Negros Or.***	59,355	351,604	76,570	1,787,138	79,067	2,308,841	99,955	3,055,582	128,683	4,083,540	161,090	5,478,324	215,857	7,716,760	215,857	7,716,760	215,857	7,716,760	215,857	7,716,760	215,857
Siquior	1,187,094	8,969,125	1,489,267	45,888,410	1,534,152	49,661,877	1,909,278	72,945,355	2,371,310	104,167,712	3,007,152	142,298,385	3,990,617	196,848,108	3,990,617	196,848,108	3,990,617	196,848,108	3,990,617	196,848,108	3,990,617
TOTAL	1,187,094	8,969,125	1,489,267	45,888,410	1,534,152	49,661,877	1,909,278	72,945,355	2,371,310	104,167,712	3,007,152	142,298,385	3,990,617	196,848,108	3,990,617	196,848,108	3,990,617	196,848,108	3,990,617	196,848,108	3,990,617
VIII																					
Biliran & Northern Leyte	542,376	3,065,361	645,792	15,580,665	657,676	20,309,528	852,347	26,019,238	1,095,129	35,691,203	1,434,096	48,633,053	1,965,480	67,276,408	1,965,480	67,276,408	1,965,480	67,276,408	1,965,480	67,276,408	1,965,480
Southern Leyte	93,160	530,138	112,428	2,694,594	114,826	3,526,434	147,207	4,607,115	186,611	6,157,040	245,559	8,410,800	334,594	11,635,100	334,594	11,635,100	334,594	11,635,100	334,594	11,635,100	334,594
Eastern Samar	79,414	413,462	91,845	2,101,551	93,214	2,750,315	117,878	3,493,153	148,672	4,801,661	191,728	6,559,723	299,305	9,074,376	299,305	9,074,376	299,305	9,074,376	299,305	9,074,376	299,305
Northern Samar	103,416	206,070	122,146	1,504,763	124,450	1,966,300	157,163	2,572,795	197,842	3,438,334	254,611	4,698,940	340,361	6,497,499	340,361	6,497,499	340,361	6,497,499	340,361	6,497,499	340,361
Western Samar	109,538	334,376	116,886	1,699,572	118,648	2,242,241	151,796	2,905,864	193,204	3,443,454	251,130	5,304,995	342,095	7,335,652	342,095	7,335,652	342,095	7,335,652	342,095	7,335,652	342,095
TOTAL	919,104	4,639,347	1,085,107	23,581,149	1,108,813	30,860,818	1,426,491	40,318,166	1,823,488	53,981,993	2,377,124	73,605,560	3,244,835	101,822,034	3,244,835	101,822,034	3,244,835	101,822,034	3,244,835	101,822,034	3,244,835
IX																					
Basilan	21,778	239,436	25,776	1,166,181	26,242	1,526,189	33,489	1,993,892	42,304	2,664,677	55,078	3,640,084	74,768	5,035,502	74,768	5,035,502	74,768	5,035,502	74,768	5,035,502	74,768
Misamis Occ.	171,104	1,825,926	215,556	8,045,721	222,264	10,539,493	275,414	13,756,273	340,786	18,384,155	430,601	25,113,689	569,302	34,740,957	569,302	34,740,957	569,302	34,740,957	569,302	34,740,957	569,302
Sulu	14,910	408,522	21,746	2,076,442	23,110	2,717,455	24,880	3,550,223	26,756	4,744,588	29,837	6,481,348	31,365	8,065,956	31,365	8,065,956	31,365	8,065,956	31,365	8,065,956	31,365
Tawi-Tawi	2,898	64,489	4,073	327,786	4,295	428,975	4,922	560,436	5,428	748,977	6,194	1,023,141	7,280	14,155,360	7,280	14,155,360	7,280	14,155,360	7,280	14,155,360	7,280
Zamboanga Norte	237,663	1,671,974	280,744	8,498,336	286,362	11,121,833	354,939	14,530,136	440,085	19,418,361	558,367	26,526,468	742,924	36,695,321	742,924	36,695,321	742,924	36,695,321	742,924	36,695,321	742,924
Zamboanga Sur	408,311	2,826,643	600,421	14,807,306	614,378	19,402,995	764,513	24,564,681	930,484	32,828,725	1,208,128	44,845,709	1,690,118	62,037,192	1,690,118	62,037,192	1,690,118	62,037,192	1,690,118	62,037,192	1,690,118
TOTAL	946,664	6,783,900	1,148,316	34,481,771	1,176,661	45,126,540	1,458,056	58,955,641	1,823,488	78,789,483	2,287,214	107,630,437	3,034,255	148,960,287	3,034,255	148,960,287	3,034,255	148,960,287	3,034,255	148,960,287	3,034,255

Table 4-40 PROJECTED POPULATION OF LIVESTOCK & POULTRY (High Economic Growth Scenario) (3/3)

WATER RESOURCES REGIÓN/PROVINCE	1996*				2000				2005				2010				2015				2020				2025			
	LIVESTOCK		CHICKEN		LIVESTOCK		CHICKEN		LIVESTOCK		CHICKEN		LIVESTOCK		CHICKEN		LIVESTOCK		CHICKEN		LIVESTOCK		CHICKEN		LIVESTOCK		CHICKEN	
	(unit : head)		(unit : head)		(unit : head)		(unit : head)		(unit : head)		(unit : head)		(unit : head)		(unit : head)		(unit : head)		(unit : head)		(unit : head)		(unit : head)		(unit : head)		(unit : head)	
Apayán Norte	146,888	845,968	174,643	4,299,899	178,132	5,627,409	229,401	7,351,807	293,522	9,825,100	382,848	13,421,586	522,785	18,566,710														
Apayán Sur	88,860	470,699	104,424	2,392,476	106,255	3,171,051	134,862	4,096,566	170,516	5,406,714	220,263	7,467,809	298,195	10,350,574														
Bukidnon***	140,980	912,661	175,256	4,638,888	181,327	6,070,945	216,668	7,291,396	259,843	10,599,675	318,686	14,479,694	408,869	20,030,448														
Cantabán	23,550	256,428	29,741	1,303,376	30,629	1,265,738	38,635	1,705,464	49,194	2,078,163	63,358	4,668,322	85,331	5,627,903														
Misamis Oriental	194,027	1,510,144	255,211	7,675,784	265,305	10,645,553	321,841	13,123,767	390,599	17,538,862	483,800	23,958,977	625,887	33,143,589														
Davao del Norte***	82,945	258,085	97,148	1,311,799	98,709	1,716,760	126,927	2,242,864	162,160	2,997,408	211,423	4,094,611	288,745	5,664,270														
Surigao del Norte	677,250	4,233,985	837,123	21,622,222	860,388	28,297,156	1,068,736	36,908,865	1,325,836	49,405,022	1,680,378	67,400,999	2,229,809	93,403,500														
TOTAL	266,538	2,461,474	319,487	12,409,563	326,069	16,240,483	416,479	21,217,465	528,048	28,355,359	685,536	38,724,861	930,364	55,883,771														
Davao del Norte***	150,288	932,002	180,255	4,737,194	184,025	6,199,600	235,207	8,099,478	298,874	10,824,302	387,510	14,786,546	536,086	20,464,931														
Davao del Sur	472,191	3,412,638	573,478	27,511,442	596,859	36,004,420	744,706	47,038,032	940,570	62,862,556	1,212,368	85,873,445	1,636,436	118,792,808														
Samangani & Soc. Comabao	263,921	1,046,619	324,375	5,319,772	332,835	6,962,023	417,915	9,995,546	523,158	12,155,467	668,728	16,604,986	894,950	22,970,465														
Surigao del Sur	110,517	524,095	129,793	2,663,878	131,895	3,486,237	170,227	4,354,599	218,771	6,086,857	286,243	8,314,955	392,166	11,500,472														
TOTAL	1,263,445	10,356,828	1,527,418	52,641,849	1,561,684	68,892,762	1,984,834	90,005,060	2,510,321	120,284,541	3,240,485	164,314,794	4,380,002	227,304,447														
Bukidnon***	140,980	912,661	175,256	4,638,888	181,327	6,070,945	216,668	7,291,396	259,843	10,599,675	318,686	14,479,694	408,869	20,030,448														
Lanao del Norte	127,461	930,414	153,986	4,729,123	157,995	6,189,037	188,900	8,085,677	226,875	10,805,859	278,990	14,761,352	389,385	20,420,078														
Lanao del Sur	77,245	429,349	98,766	2,182,302	103,080	2,853,994	108,232	3,731,218	133,605	4,966,473	139,419	6,811,776	126,115	9,423,053														
Maguidanao	103,136	951,584	115,058	4,836,726	116,987	6,329,858	128,750	8,269,653	145,101	11,051,728	162,629	15,097,222	192,509	20,984,703														
North Cotabato	259,010	1,325,886	307,274	6,739,234	313,743	8,819,684	387,182	11,522,490	479,246	15,308,884	604,557	21,035,687	801,364	29,099,622														
South Cotabato***	174,513	541,638	216,927	2,753,046	222,920	3,602,931	281,497	4,707,055	353,913	6,290,602	454,004	8,593,281	609,446	11,987,494														
Sultan Kudarat	246,977	803,811	281,355	4,390,592	285,764	5,745,999	341,505	7,506,870	411,658	10,032,329	508,679	13,704,672	660,074	18,958,322														
TOTAL	1,129,322	5,955,363	1,349,692	30,269,911	1,381,816	39,618,449	1,653,134	51,754,360	1,897,241	69,165,549	2,446,924	94,483,654	3,157,761	130,703,720														
PHILIPPINES	13,666,340	114,715,337	16,507,823	583,076,923	16,907,827	763,076,923	21,107,827	996,923,076	26,307,827	1,332,307,692	33,507,827	1,820,000,000	44,707,827	2,517,692,708														

Table 4-41 PROJECTED POPULATION OF LIVESTOCK & POULTRY (Low Economic Growth Scenario) (1/3)

(UNIT: head)

REGION/PROVINCE	1999*		2000		2005		2010		2015		2020		2025	
	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN
Aban	93,063	277,200	112,597	1,353,193	116,668	1,618,999	113,541	1,871,792	127,250	2,154,327	138,599	2,433,003	150,668	2,678,506
Benguet***	36,341	194,662	44,156	949,295	44,957	1,135,764	45,252	1,311,104	50,665	1,511,208	56,079	1,708,259	61,492	1,879,032
Ilocos Norte	176,629	978,356	222,059	4,775,901	226,928	5,714,131	229,653	6,606,346	253,304	7,603,530	277,954	8,494,156	302,105	9,453,579
Ilocos Sur	137,708	1,092,714	172,463	5,334,246	176,051	6,482,044	178,105	7,378,548	195,288	8,492,291	212,470	9,498,709	229,653	10,558,586
La Union	142,595	810,131	173,609	3,924,775	176,780	4,731,669	177,591	5,470,407	198,799	6,296,129	219,608	7,116,420	240,416	7,828,068
TOTAL	594,636	3,352,863	729,838	16,367,400	739,324	19,582,245	746,342	22,240,198	825,805	26,057,586	905,670	29,452,496	944,334	32,907,771
II														
Bataan	318,365	1,760,667	392,406	8,593,982	398,008	10,242,045	398,501	11,887,549	442,062	13,681,945	464,623	15,464,441	527,134	17,010,897
Cebu	79,234	394,855	96,604	1,927,543	98,399	2,406,168	99,113	2,666,287	110,583	3,068,711	122,053	3,468,216	133,523	3,815,373
Iloilo	151,307	3,003,313	420,500	14,661,120	427,634	17,340,982	430,600	20,279,263	475,007	23,340,974	519,383	26,381,952	563,760	29,020,168
Isabela	85,016	224,022	98,805	1,093,597	100,238	1,308,410	100,492	1,512,708	112,537	1,741,041	124,581	1,987,873	136,626	2,164,662
Mt. Province	82,614	182,170	100,381	889,290	102,220	1,065,972	102,752	1,240,102	116,362	1,415,778	124,972	1,600,233	143,582	1,760,257
Nueva Vizcaya	106,884	551,165	128,935	2,690,594	132,341	3,219,104	133,117	3,721,740	149,989	4,283,412	160,862	4,841,589	183,734	5,325,752
Quirino	61,175	481,343	74,347	2,489,748	76,258	2,811,305	76,797	3,240,267	86,061	3,740,874	95,325	4,228,253	104,590	4,651,082
TOTAL	1,104,595	6,608,516	1,313,500	32,221,492	1,335,095	38,550,000	1,342,404	44,569,966	1,462,601	51,207,507	1,642,759	57,980,801	1,792,699	63,778,928
III														
Aurora	34,186	144,483	40,725	705,315	41,490	843,859	41,652	975,621	46,131	1,122,865	50,610	1,269,180	53,089	1,366,099
Bataan	38,816	327,814	46,859	1,600,292	47,687	1,914,636	47,993	2,213,590	53,540	2,547,717	59,048	2,879,646	64,639	3,107,613
Benguet***	36,341	194,462	44,151	949,295	44,957	1,135,764	45,252	1,311,104	50,666	1,511,208	56,079	1,708,259	61,493	1,879,032
Bulacan	745,734	6,017,579	909,790	29,375,728	926,992	35,145,936	928,051	40,633,686	1,028,824	46,767,871	1,249,597	52,860,118	1,410,370	58,146,171
Nueva Ecija	342,621	5,721,163	413,249	27,928,709	420,563	33,414,706	422,666	38,652,138	476,874	44,463,632	531,081	50,256,316	585,289	55,281,987
Pampanga	139,082	5,974,675	168,764	29,166,266	171,850	34,895,354	172,347	40,343,977	198,736	46,433,652	225,126	52,483,237	251,515	57,731,602
Pangasinan	339,001	2,775,976	427,191	13,536,695	436,133	16,195,689	441,643	18,924,513	481,456	21,550,854	521,329	24,358,606	561,173	26,794,486
Tarlac	205,135	1,929,482	249,838	9,419,054	254,443	11,269,225	256,501	13,028,822	284,034	14,995,436	311,568	16,649,116	339,101	18,644,041
Zambales	84,735	800,571	101,897	3,904,107	103,445	4,675,270	104,215	5,403,853	114,738	6,221,851	125,300	7,032,442	135,842	7,735,692
TOTAL	1,966,551	23,883,209	2,462,261	116,869,441	2,447,380	139,490,939	2,460,320	161,271,304	2,795,049	185,614,138	3,129,778	209,796,870	3,469,508	230,776,724
IV														
Batangas	391,088	1,175,410	485,253	57,376,021	495,008	68,646,311	497,694	79,364,869	571,085	91,344,470	644,436	103,245,281	717,407	113,569,891
Cavite	167,662	542,129	207,147	2,841,749	211,248	3,399,950	212,078	3,930,824	245,608	4,524,156	279,138	5,113,586	312,669	5,624,949
Laguna	211,027	3,849,235	256,659	18,790,614	261,415	22,481,627	261,341	25,991,949	305,570	29,915,291	349,298	33,812,770	393,027	37,194,074
Marikina	82,017	243,121	98,821	1,186,831	100,342	1,419,959	100,775	1,641,674	114,096	1,899,474	127,418	2,135,644	140,779	2,349,210
Mindoro Occidental	107,361	466,338	126,682	2,276,498	130,874	2,723,668	131,960	3,148,946	143,866	3,624,259	155,742	4,096,445	167,618	4,506,093
Mindoro Oriental	92,868	568,443	112,431	2,774,939	114,441	3,320,410	115,480	3,838,410	126,240	4,417,792	137,001	4,993,364	147,762	5,492,705
Pulawan	156,200	469,434	194,132	2,291,612	198,046	2,741,750	199,597	3,169,852	224,279	3,648,320	249,960	4,123,691	275,142	4,536,009
Quezon	289,015	2,577,268	342,999	12,581,806	348,600	15,053,232	349,882	17,403,670	394,348	20,030,639	438,814	22,640,330	483,279	24,904,381
Rizal	202,816	3,069,428	246,484	14,989,225	251,054	17,609,608	251,218	20,708,047	293,347	23,831,487	339,475	26,956,372	383,603	29,630,000
Romblon	79,865	641,766	100,335	3,132,876	102,436	3,748,263	103,585	4,333,523	114,268	4,987,640	124,652	5,637,454	135,636	6,201,204
TOTAL	1,779,019	24,217,672	2,172,753	118,222,172	2,213,464	141,444,385	2,224,140	163,529,764	2,535,187	188,213,498	2,846,234	212,734,888	3,157,242	244,004,545

Table 4-41 PROJECTED POPULATION OF LIVESTOCK & POULTRY (Low Economic Growth Scenario) (2/3)

WATER RESOURCES REGION/PROVINCE	(UNIT: head)													
	1996*		2000		2005		2010		2015		2020		2025	
	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN
V														
Atrey	176,439	642,886	208,200	3,332,148	211,488	3,986,074	212,438	4,609,169	236,776	5,304,802	261,113	5,996,029	285,451	6,595,636
Camarines Norte	193,752	346,259	116,664	1,690,315	120,522	2,022,341	121,015	2,388,113	133,164	2,691,056	149,313	3,041,637	163,461	3,445,403
Camarines Sur	270,795	1,708,995	320,988	8,342,714	326,196	9,981,461	327,867	11,539,944	366,310	13,281,868	404,983	14,912,296	443,598	16,313,537
Comandantes	55,113	186,031	63,060	608,138	64,880	1,046,522	65,034	1,256,174	72,841	1,445,785	80,647	1,634,149	88,453	1,797,565
Mabait	170,941	935,423	266,712	4,565,919	210,385	5,462,795	212,403	6,315,766	232,661	7,269,069	246,519	8,216,142	264,077	9,037,763
Sorsogon	134,284	478,457	161,723	2,336,149	164,570	2,795,033	165,564	3,231,455	194,977	3,719,222	204,390	4,203,780	223,803	4,624,162
TOTAL	608,304	4,337,751	1,080,257	21,175,377	1,098,031	24,334,827	1,104,122	29,290,652	1,227,029	33,211,882	1,369,935	38,104,033	1,472,340	41,914,366
VI														
Aklan	98,539	744,965	118,836	3,436,638	121,141	4,351,001	121,934	5,030,374	137,440	5,789,676	153,745	6,543,963	169,651	7,198,387
Antique	124,124	898,922	154,226	4,386,222	159,314	5,250,194	159,096	6,069,968	173,936	6,986,190	188,775	7,896,385	203,615	8,686,020
Capiz	118,433	823,313	139,640	4,019,125	141,871	4,806,596	142,477	5,559,419	158,925	6,398,576	173,373	7,232,214	191,821	7,955,442
Iloilo & Guimaras	415,932	4,936,615	501,278	24,098,821	510,087	28,832,518	513,676	33,334,479	571,069	38,366,098	628,663	43,364,624	646,256	47,701,121
Negros Occ.***	384,328	3,960,853	459,811	19,335,494	467,629	23,133,537	469,832	26,745,649	528,178	30,792,728	546,523	34,793,254	644,869	38,272,607
TOTAL	1,139,450	11,304,668	1,373,831	53,474,319	1,396,042	66,375,846	1,406,816	76,730,980	1,569,948	88,323,267	1,733,079	99,830,461	1,896,212	199,813,587
VII														
Bohol	326,846	2,192,664	404,292	10,703,913	412,270	12,806,468	415,715	14,806,093	455,555	17,040,974	513,277	19,251,157	562,059	21,182,288
Cebu	453,992	4,753,485	574,690	23,204,845	586,921	27,762,939	592,320	32,697,894	666,444	36,942,859	740,619	41,755,938	814,793	45,931,587
Negros Occ.***	344,463	1,671,352	433,715	8,158,954	442,966	9,761,605	447,101	11,285,800	591,264	12,589,316	555,427	14,681,659	699,590	16,149,304
Negros Ori.***	59,255	351,604	76,970	1,716,407	78,302	2,053,559	79,067	2,174,205	89,511	2,732,576	96,953	3,088,589	110,869	3,397,460
Savajor	1,187,094	8,966,125	1,489,267	43,784,119	1,520,400	52,384,571	1,534,152	60,563,992	1,712,774	69,765,725	1,909,278	78,787,333	2,096,841	86,666,129
TOTAL	3,42,576	3,685,361	645,792	14,764,016	665,544	17,903,377	657,676	20,698,842	755,011	23,521,195	852,347	30,626,999	949,682	39,619,729
VIII														
Bataan & Northern Leyte	93,160	530,138	112,428	2,897,948	114,429	3,096,294	114,826	3,579,755	131,267	4,120,096	147,707	4,656,882	164,148	5,122,374
Southern Leyte	79,414	413,462	91,845	2,014,376	93,143	2,414,843	93,214	2,791,901	105,546	3,213,320	117,878	3,631,067	130,210	3,995,167
Eastern Samar	103,416	296,050	122,156	1,445,212	124,103	1,729,093	124,450	1,999,077	140,406	2,300,824	157,163	2,600,589	175,520	2,860,648
Northern Samar	100,538	334,376	116,886	1,683,206	118,593	1,982,938	118,648	2,257,873	135,222	2,568,684	151,756	2,937,253	168,370	3,262,681
Western Samar	919,104	4,619,387	1,040,107	22,647,838	1,109,812	27,096,545	1,108,813	31,327,438	1,267,852	36,056,119	1,426,891	40,753,689	1,585,930	44,829,090
TOTAL	2,1,778	229,436	25,776	1,120,026	26,192	1,340,031	26,252	1,549,266	29,870	1,783,117	33,489	2,015,431	37,107	2,216,075
IX														
Iloiloan	171,104	1,582,926	215,556	7,727,289	220,132	9,245,149	222,264	10,688,703	248,539	12,302,092	275,414	13,904,870	301,960	15,296,368
Misamis Occ.	14,910	498,522	21,746	1,994,261	25,439	2,385,991	23,110	2,758,544	23,995	3,174,928	24,880	3,498,473	25,764	3,947,433
Tawi-Tawi	2,898	64,489	4,073	314,813	4,192	435,462	4,295	459,462	4,559	501,192	4,822	566,499	5,085	623,139
Zamboanga Norte	237,663	1,671,974	280,744	8,161,590	285,210	9,765,238	286,362	11,290,009	320,459	12,994,151	354,939	14,667,093	389,227	16,155,814
Zamboanga Sur	498,311	2,826,643	600,421	13,798,699	610,983	16,594,133	614,378	19,086,899	689,445	21,967,940	764,515	24,830,032	839,580	27,315,055
TOTAL	646,664	6,783,990	1,148,316	33,117,057	1,169,148	39,622,194	1,176,060	45,808,874	1,312,358	52,723,420	1,488,057	56,592,486	1,598,253	65,551,785

Table 4-41 PROJECTED POPULATION OF LIVESTOCK & POULTRY (Low Economic Growth Scenario) (3/3)

(UNIT: head)

WATER RESOURCES REGION/PROVINCE	1985		2000		2005		2010		2015		2020		2025	
	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN	LIVESTOCK	CHICKEN
X														
Agusan Norte	146,888	845,968	174,843	4,129,719	177,753	4,040,914	178,132	5,712,197	203,817	6,574,645	229,501	7,431,222	255,185	8,174,351
Agusan Sur	88,460	470,699	104,424	2,297,787	106,044	2,749,138	106,255	3,178,194	120,519	3,658,151	134,862	4,134,753	149,166	4,546,232
Bukidnon**	140,980	912,661	174,756	4,455,291	179,325	5,330,437	181,327	6,162,741	198,908	7,092,866	216,668	8,017,673	234,339	8,818,786
Compost	23,450	256,428	29,741	1,251,791	30,381	1,497,079	30,629	1,731,529	34,782	1,992,862	38,935	2,252,536	43,089	2,477,292
Misamis Oriental	194,027	1,510,144	255,211	7,371,993	261,480	8,830,063	265,305	10,197,243	293,573	11,736,450	321,841	13,265,532	350,110	14,592,096
Davao del Norte***	82,945	258,083	97,148	1,259,880	98,630	1,507,337	98,709	1,742,718	112,518	2,005,770	126,927	2,267,092	141,036	2,493,403
Davao del Sur	677,260	4,253,985	837,123	30,766,461	853,613	24,865,558	860,358	28,725,022	944,547	31,060,874	1,068,734	32,349,209	1,172,923	41,105,059
TOTAL														
XI														
Davao del Norte***	266,558	2,441,474	319,487	11,918,419	324,984	14,249,537	326,069	16,486,047	371,274	18,674,506	416,479	21,446,590	461,683	23,591,276
Davao del Oriental	150,258	932,002	180,285	4,549,707	183,403	5,443,399	184,025	6,293,341	209,616	7,243,279	235,207	8,186,969	260,798	9,085,673
Davao del Sur	472,191	5,412,638	573,478	26,622,508	583,970	31,612,752	586,859	36,548,823	665,783	42,066,626	744,706	47,546,145	833,029	52,300,797
Samaligani & So. Cotabato	263,921	1,046,619	324,375	5,109,227	330,622	6,172,925	332,955	7,067,292	373,375	8,134,053	417,915	9,193,798	460,455	10,113,185
Surigao del Sur	110,517	524,095	129,763	2,558,448	131,806	3,061,000	131,895	3,538,950	151,211	4,073,131	170,527	4,603,799	189,942	5,064,182
TOTAL	1,263,445	10,366,828	1,527,418	50,558,398	1,536,785	60,489,512	1,561,684	69,934,453	1,773,230	80,490,595	1,984,834	90,973,310	2,196,407	100,075,113
XII														
Bulidnon**	140,980	912,661	174,756	4,455,291	179,325	5,330,437	181,327	6,162,741	198,908	7,092,866	216,668	8,017,673	234,339	8,818,786
Lanao del Norte	127,461	930,414	153,956	4,541,954	156,683	5,434,124	157,995	6,282,618	173,448	7,230,238	188,900	8,173,020	204,352	8,990,328
Lanao del Sur	77,245	429,349	98,760	2,093,931	100,945	2,507,632	103,040	2,998,178	105,556	3,336,790	108,232	3,771,523	110,408	4,148,678
Maguindano	103,136	951,584	115,058	4,645,299	116,291	5,557,768	116,947	6,425,568	122,868	7,295,465	129,750	8,158,983	134,632	9,194,888
North Cotabato	259,010	1,323,886	307,274	6,472,510	312,291	7,743,896	313,743	8,933,042	350,463	10,304,444	397,182	11,646,958	423,902	12,811,563
South Cotabato***	174,513	541,638	216,927	2,644,087	221,307	3,163,461	222,920	3,667,409	252,209	4,209,471	291,497	4,857,902	310,746	5,233,695
Sultan Kudarat	246,977	863,811	281,355	4,216,822	284,921	5,045,126	285,764	5,832,881	313,834	6,713,316	341,905	7,597,960	369,975	8,346,762
TOTAL	1,129,322	5,955,343	1,348,692	29,071,894	1,371,733	34,782,444	1,381,816	40,213,437	1,517,476	46,283,789	1,653,134	52,313,419	1,788,794	57,544,903
PHILIPPINES	13,606,340	114,715,337	16,367,523	546,000,000	16,807,827	670,000,000	16,907,827	774,615,000	18,998,886	891,536,000	21,107,823	1,007,692,000	23,207,825	1,106,462,000

Table 4-42 WATER DEMAND FOR LIVESTOCK & POULTRY (High Economic Growth Scenario) (2/2)

(UNIT: MCM)

WATER DEMAND AREA	1998		2000		2005		2010		2015		2020		TOTAL	
	LIVESTOCK	CHICKEN	TOTAL	LIVESTOCK	CHICKEN	TOTAL	LIVESTOCK	CHICKEN	TOTAL	LIVESTOCK	CHICKEN	TOTAL		
VII	2.47	0.08	2.56	3.00	0.42	3.48	3.15	3.88	0.72	4.61	4.79	5.76	7.36	9.81
Bohol	3.45	0.18	3.63	4.35	0.91	5.26	4.48	5.61	1.56	7.17	6.99	9.08	11.75	15.79
Negros Occ***	2.61	0.06	2.67	3.28	0.52	3.60	3.38	4.20	0.55	4.75	5.21	5.95	7.60	10.15
Negros Or***	0.45	0.01	0.47	0.58	0.07	0.65	0.60	0.76	0.12	0.87	0.95	1.11	1.43	1.93
Siquay	8.08	0.34	9.32	11.27	1.71	13.00	11.61	14.45	2.95	17.40	17.08	21.89	28.15	37.65
TOTAL	14.11	0.67	14.78	17.93	3.63	21.56	19.92	25.24	5.15	31.13	31.22	38.11	49.08	65.33
VIII	4.11	0.12	4.23	4.89	0.59	5.48	4.98	6.45	1.01	7.46	8.29	9.64	12.69	17.42
Iligan & Northern Leyte	0.71	0.02	0.73	0.85	0.10	0.95	0.87	1.12	0.17	1.29	1.43	1.66	2.18	2.97
Northern Leyte	0.60	0.02	0.62	0.70	0.08	0.77	0.71	0.89	0.14	1.03	1.13	1.31	1.70	2.31
Eastern Samar	0.78	0.01	0.79	0.92	0.06	0.95	0.94	1.10	0.10	1.20	1.30	1.63	2.10	2.84
Northern Samar	0.76	0.01	0.77	0.88	0.06	0.95	0.90	1.12	0.11	1.23	1.34	1.61	2.10	2.87
Western Samar	6.94	0.18	7.13	8.24	0.80	9.12	8.30	10.86	1.53	12.33	13.80	15.84	20.78	28.41
TOTAL	13.96	0.54	14.50	16.86	2.35	19.21	17.97	23.62	4.08	27.70	30.22	35.18	45.86	61.85
IX	0.16	0.01	0.17	0.20	0.04	0.24	0.20	0.25	0.08	0.33	0.32	0.42	0.55	0.76
Islamic	1.30	0.06	1.35	1.61	0.30	1.94	1.68	2.08	0.52	2.61	2.58	3.28	4.21	5.62
Misamis Occ.	0.11	0.02	0.13	0.16	0.08	0.24	0.17	0.28	0.13	0.32	0.20	0.28	0.46	0.58
Sulu	0.02	0.00	0.02	0.03	0.01	0.04	0.03	0.04	0.02	0.06	0.04	0.05	0.09	0.11
Tawi-Tawi	1.80	0.06	1.86	2.12	0.32	2.45	2.17	2.69	0.55	3.24	3.19	4.07	5.23	7.01
Zamboanga Norte	3.75	0.11	3.88	4.54	0.54	5.09	4.65	5.79	0.93	6.72	7.19	8.44	10.84	14.53
Zamboanga Sur	7.17	0.26	7.42	8.69	1.30	10.00	8.91	11.04	2.23	13.27	13.67	16.65	21.38	28.60
TOTAL	14.11	0.54	14.65	17.46	3.54	21.00	19.21	24.81	4.38	28.65	30.22	36.65	47.86	64.15
X	1.11	0.03	1.14	1.32	0.16	1.49	1.35	1.74	0.28	2.02	2.22	2.59	3.41	4.66
Agusan Norte	0.67	0.02	0.69	0.79	0.09	0.88	0.80	1.02	0.15	1.18	1.29	1.50	1.95	2.65
Agusan Sur	1.07	0.05	1.10	1.33	0.18	1.51	1.37	1.64	0.30	1.94	1.94	2.37	2.96	3.85
Bukidnon***	0.18	0.01	0.19	0.23	0.05	0.27	0.23	0.29	0.08	0.38	0.37	0.49	0.63	0.86
Comiguin	1.47	0.06	1.53	1.89	0.29	2.22	2.01	2.44	0.50	2.93	2.96	3.62	4.57	5.99
Misamis Oriental	0.63	0.01	0.64	0.74	0.05	0.78	0.75	0.96	0.08	1.05	1.23	1.34	1.76	2.40
Davao del Norte**	5.13	0.16	5.29	6.34	0.92	7.15	6.51	8.09	1.40	9.49	10.03	11.90	15.29	20.41
Davao del Sur	2.02	0.09	2.11	2.42	0.47	2.69	2.47	3.15	0.80	3.96	4.00	5.08	6.65	9.07
Davao del Norte**	1.14	0.04	1.17	1.36	0.18	1.54	1.39	1.78	0.31	2.09	2.26	2.83	3.69	4.76
Davao del Oriental	3.57	0.20	3.78	4.34	0.64	5.38	4.44	5.64	1.78	7.42	7.12	9.50	12.43	16.88
Davao del Sur	2.00	0.04	2.04	2.46	0.20	2.66	2.52	2.78	0.34	3.51	3.96	4.42	5.69	7.64
Samangani & No. Cotab	0.64	0.02	0.66	0.98	0.10	1.08	1.00	1.29	0.17	1.46	1.66	1.89	2.48	3.40
Surigao del Sur	9.46	0.39	9.95	11.56	1.90	13.55	11.82	15.02	3.41	18.43	19.00	23.55	30.74	41.75
TOTAL	14.11	0.54	14.65	17.46	3.54	21.00	19.21	24.81	4.38	28.65	30.22	36.65	47.86	64.15
XII	1.07	0.03	1.10	1.33	0.18	1.51	1.37	1.64	0.30	1.94	1.97	2.37	2.96	3.85
Bukidnon***	0.96	0.04	1.00	1.17	0.18	1.34	1.20	1.43	0.31	1.74	1.72	2.13	2.72	3.49
Lanao del Norte	0.38	0.02	0.40	0.75	0.08	0.83	0.78	0.97	0.14	1.11	1.05	1.23	1.61	2.11
Lanao del Sur	0.78	0.04	0.82	0.87	0.18	1.05	0.89	1.12	0.59	1.71	1.68	1.80	2.23	2.95
Maguindao	1.66	0.05	1.71	2.04	0.26	2.28	2.12	2.63	0.44	3.07	3.02	3.76	4.81	6.37
North Cotabato	1.32	0.02	1.34	1.64	0.10	1.75	1.69	2.13	0.18	2.31	2.08	2.92	3.44	4.61
South Cotabato**	1.87	0.03	1.90	2.13	0.17	2.30	2.16	2.59	0.28	2.87	3.12	3.50	4.37	5.71
Sultan Kudarat	8.55	0.23	8.77	10.21	1.15	11.36	10.46	12.51	1.96	14.47	15.04	17.66	22.10	28.85
TOTAL	10.29	0.34	10.63	12.64	1.66	14.30	13.33	16.26	2.73	19.01	19.81	23.53	29.48	38.85
PHILIPPINES	102.98	4.34	107.32	126.94	22.07	149.31	137.97	180.85	32.73	212.58	212.11	269.53	353.61	463.85

Table 4-43 WATER DEMAND FOR LIVESTOCK & POULTRY (Low Economic Growth Scenario) (1/2)

(UNIT: MCM)

WATER RESOURCES REGION/PROVINCE	1995		2000		2005		2010		2015		2020		2025		TOTAL LIVESTOCK CHICKEN TOTAL	
	LIVESTOCK CHICKEN	TOTAL	LIVESTOCK CHICKEN	TOTAL	LIVESTOCK CHICKEN	TOTAL	LIVESTOCK CHICKEN	TOTAL	LIVESTOCK CHICKEN	TOTAL	LIVESTOCK CHICKEN	TOTAL	LIVESTOCK CHICKEN	TOTAL		
Abra	0.70	0.01	0.71	0.65	0.97	0.66	0.63	0.87	0.95	0.96	1.04	1.05	0.99	1.14	0.10	1.24
Benguet***	0.28	0.01	0.28	0.33	0.34	0.04	0.38	0.05	0.39	0.38	0.44	0.42	0.06	0.49	0.07	0.54
Ilocos Norte	1.32	0.04	1.36	1.68	1.72	0.22	1.93	1.74	1.92	2.21	2.21	2.10	0.33	2.43	0.36	2.64
Ilocos Sur	1.04	0.04	1.08	1.31	1.33	0.24	1.57	1.35	1.48	1.63	1.80	1.61	0.36	1.97	0.40	2.14
La Union	1.08	0.03	1.11	1.31	1.46	0.18	1.62	1.35	1.55	1.74	1.74	1.66	0.27	1.93	0.30	2.12
TOTAL	4.42	0.13	4.55	5.49	6.11	0.62	6.74	5.65	6.51	7.24	7.24	6.85	1.11	7.96	1.23	8.68
II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Banats	2.56	0.07	2.63	2.97	3.01	0.39	3.40	3.02	3.47	3.35	3.86	3.67	0.59	4.25	0.64	4.63
Cagayan	0.60	0.01	0.61	0.73	0.80	0.04	0.83	0.75	0.85	0.84	0.93	0.92	0.13	1.06	0.14	1.15
Iligan	2.66	0.11	2.77	3.18	3.24	0.66	3.90	3.26	4.03	3.60	4.48	3.93	1.00	4.93	1.10	5.37
Isoela	0.64	0.01	0.65	0.75	0.76	0.05	0.81	0.76	0.82	0.85	0.92	0.94	0.07	1.02	0.08	1.12
Kalinga Apayao	0.63	0.01	0.63	0.76	0.77	0.04	0.81	0.78	0.82	0.88	0.93	0.98	0.06	1.04	0.09	1.15
Mt. Province	0.81	0.02	0.83	0.98	1.00	0.12	1.12	1.01	1.15	1.14	1.30	1.26	0.18	1.45	0.20	1.59
Nueva Vizcaya	0.46	0.02	0.48	0.57	0.66	0.08	0.74	0.68	0.70	0.79	0.79	0.72	0.16	0.88	0.18	0.97
Quirino	8.36	0.24	8.61	9.94	10.10	1.46	11.56	10.16	11.85	11.30	13.24	12.43	2.19	14.63	2.41	15.98
TOTAL	0.26	0.01	0.26	0.31	0.31	0.03	0.35	0.32	0.35	0.35	0.39	0.36	0.05	0.43	0.05	0.47
III	0.29	0.01	0.31	0.35	0.36	0.07	0.43	0.36	0.45	0.41	0.50	0.45	0.11	0.56	0.06	0.61
Antara	0.28	0.01	0.28	0.33	0.34	0.04	0.38	0.34	0.39	0.38	0.44	0.42	0.06	0.49	0.07	0.54
Benguet***	5.64	0.23	5.87	6.89	7.02	1.33	8.35	7.02	8.24	8.24	10.01	9.46	2.00	11.46	10.67	12.88
Rubican	2.19	0.22	2.41	3.13	3.18	1.26	4.45	3.20	4.66	3.61	5.29	4.02	1.90	5.92	4.43	6.52
Nueva Ecija	1.05	0.23	1.28	1.28	1.10	1.32	2.62	2.83	1.50	1.76	3.26	1.70	0.99	3.69	1.80	4.09
Pampanga	2.57	0.10	2.68	3.23	3.30	0.61	3.91	3.34	4.05	3.64	4.46	3.95	0.82	4.87	4.28	5.26
Pangasinan	1.55	0.07	1.63	1.89	0.36	2.25	1.84	0.49	2.43	2.15	2.72	2.36	0.64	3.00	2.57	3.27
Tarlac	0.64	0.03	0.67	0.77	0.78	0.15	0.96	0.79	0.99	0.87	1.10	0.95	0.27	1.21	1.03	1.32
Zambales	14.88	0.90	15.79	18.16	18.42	5.28	23.60	18.82	21.15	24.72	28.18	23.60	7.94	31.63	26.22	34.95
TOTAL	2.96	0.44	3.40	3.67	3.75	2.60	6.34	3.77	6.77	4.32	7.78	4.88	3.91	8.78	5.43	9.73
IV	1.27	0.02	1.29	1.57	1.60	0.13	1.73	1.61	1.75	1.86	2.03	2.11	0.19	2.31	0.21	2.58
Cavite	1.60	0.15	1.74	1.94	1.94	0.71	2.65	1.98	2.97	2.31	3.44	2.64	1.28	3.92	2.97	4.41
Laguna	0.62	0.01	0.63	0.75	0.76	0.08	0.81	0.76	0.82	0.86	0.94	0.96	0.08	1.05	1.07	1.15
Marikina	0.81	0.02	0.83	0.97	0.99	0.10	1.09	1.00	1.12	1.09	1.23	1.18	0.19	1.33	1.27	1.44
Mindoro Occidental	0.70	0.02	0.72	0.85	0.87	0.13	0.96	0.87	1.02	0.96	1.12	1.04	0.19	1.23	1.12	1.33
Mindoro Oriental	1.18	0.02	1.20	1.47	1.50	0.10	1.60	1.51	1.63	1.70	1.84	1.89	0.16	2.05	2.08	2.25
Palaivan	2.19	0.10	2.29	2.60	2.64	0.87	3.21	2.65	3.31	2.98	3.74	3.32	0.86	4.18	3.66	4.60
Quezon	1.54	0.12	1.66	1.87	1.90	0.68	2.38	1.90	2.24	2.04	2.44	2.57	1.02	3.59	2.90	4.02
Rosa	0.60	0.02	0.63	0.76	0.78	0.14	0.92	0.78	0.95	0.86	1.05	0.95	0.21	1.16	1.01	1.26
Romblon	13.47	0.92	14.39	16.44	16.75	5.35	22.11	16.83	21.02	19.19	26.31	21.54	8.04	29.49	23.90	32.76
TOTAL	1.34	0.03	1.36	1.58	1.60	0.15	1.75	1.61	1.78	1.79	1.96	1.98	0.23	2.20	2.16	2.41
V	0.76	0.01	0.78	0.90	0.91	0.08	0.99	0.92	1.00	1.02	1.12	1.13	0.12	1.25	1.24	1.36
Camarines Norte	2.05	0.06	2.11	2.43	2.47	0.88	2.85	2.48	2.92	2.57	3.28	3.06	0.87	3.63	3.36	3.98
Camarines Sur	0.42	0.01	0.42	0.46	0.46	0.04	0.53	0.49	0.55	0.61	0.61	0.61	0.06	0.67	0.67	0.74
Catanduanes	1.29	0.04	1.33	1.56	1.59	0.21	1.80	1.61	1.85	1.75	2.02	1.89	0.31	2.20	2.03	2.37
Madrit	1.02	0.02	1.03	1.22	1.22	0.09	1.31	1.25	1.38	1.40	1.54	1.55	0.16	1.71	1.69	1.82
Sorsogon	6.87	0.16	7.04	8.18	8.31	0.96	9.27	8.26	9.79	9.28	10.94	10.32	1.44	11.64	11.15	12.73
TOTAL	0.73	0.03	0.76	0.90	0.92	0.16	1.08	0.92	1.11	1.04	1.26	1.16	0.25	1.41	1.28	1.56
VI	0.94	0.03	0.97	1.17	1.19	0.30	1.39	1.20	1.53	1.32	1.88	1.43	0.30	2.23	1.54	1.87
Antique	0.90	0.03	0.93	1.06	1.05	0.21	1.26	1.08	1.29	1.20	1.44	1.33	0.27	1.60	1.45	1.75
Capiz	3.15	0.19	3.33	3.79	3.86	1.09	4.93	3.89	4.76	4.32	5.77	4.76	1.64	6.40	5.19	7.00
Iloilo & Guimaras	2.91	0.15	3.06	3.46	3.54	0.88	4.41	3.56	4.00	4.00	4.44	4.44	1.32	5.76	4.88	6.33
Negros Occ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Negros Ori***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	8.62	0.43	9.05	10.40	10.58	2.51	11.09	10.65	11.88	11.88	13.22	13.12	3.78	16.90	14.35	18.51

Table 4-44 WATER DEMAND FOR FISHERIES
(High Economic Growth Scenario) (1/3)

(UNIT: MCM)

WATER RESOURCES							
REGION/PROVINCE	1996	2000	2005	2010	2015	2020	2025
I							
Abra	0.23	0.30	0.32	0.33	0.34	0.35	0.38
Benguet***	0.02	0.03	0.03	0.03	0.03	0.03	0.04
Ilocos Norte	6.20	8.13	8.70	9.09	9.42	9.54	10.50
Ilocos Sur	16.99	22.26	23.82	24.88	25.79	26.09	28.73
La Union	24.23	33.10	35.42	37.00	38.34	38.80	42.72
TOTAL	47.67	63.83	68.29	71.34	73.93	74.81	82.37
II							
Batanes	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cagayan	44.60	61.90	66.24	69.20	71.72	72.55	79.88
Iligan	0.50	0.66	0.70	0.73	0.76	0.77	0.85
Isabela	5.10	6.66	7.13	7.45	7.72	7.81	8.60
Kalinga Apayao	0.63	0.82	0.88	0.92	0.95	0.96	1.06
Mt. Province	0.14	0.18	0.19	0.20	0.21	0.21	0.23
Nueva Vizcaya	0.67	0.88	0.94	0.98	1.02	1.03	1.13
Quirino	3.56	4.65	4.98	5.20	5.39	5.45	6.00
TOTAL	55.20	75.75	81.06	84.68	87.77	88.78	97.75
III							
Aurora	4.70	6.77	7.23	7.56	7.84	7.93	8.72
Bataan	269.11	383.69	410.60	428.93	444.54	449.77	495.19
Benguet***	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Butuan	475.63	654.77	700.70	732.00	758.62	767.54	845.05
Nueva Ecija	23.46	30.62	32.77	34.24	35.48	35.90	39.52
Pampanga	1060.74	1549.30	1657.98	1732.02	1795.01	1816.13	1999.54
Pangasinan	241.13	319.46	341.87	357.14	370.13	374.45	412.30
Tarlac	8.62	11.25	12.04	12.57	13.03	13.18	14.52
Zambales	12.82	16.79	17.96	18.77	19.45	19.67	21.66
TOTAL	2096.21	2972.64	3181.16	3323.22	3444.09	3484.59	3836.51
IV							
Batangas	11.57	16.89	18.07	18.88	19.56	19.80	21.79
Cavite	4.31	6.17	6.60	6.90	7.15	7.24	7.96
Laguna	0.27	0.36	0.38	0.40	0.41	0.42	0.46
Metro Manila	85.65	112.60	120.49	125.88	130.46	131.99	145.32
Marinduque	8.36	12.04	12.89	13.47	13.95	14.12	15.55
Mindoro Occidental	65.31	86.43	92.49	96.62	100.14	101.32	111.54
Mindoro Oriental	67.34	95.90	102.63	107.22	111.12	112.42	123.78
Palawan	1.98	2.58	2.76	2.89	2.99	3.03	3.33
Quezon	195.43	257.70	275.77	288.10	298.57	302.08	332.59
Rizal	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Romblon	4.58	5.97	6.39	6.68	6.92	7.00	7.71
TOTAL	444.81	596.64	638.47	667.03	691.27	699.41	770.03

Table 4-44 WATER DEMAND FOR FISHERIES
(High Economic Growth Scenario) (2/3)

(UNIT: MCM)

WATER RESOURCES REGION/PROVINCE	1996	2000	2005	2010	2015	2020	2025
V							
Albay	10.26	14.01	14.99	15.65	16.23	16.42	18.08
Camarines Norte	30.25	44.30	47.40	49.52	51.32	51.93	57.17
Camarines Sur	49.52	69.24	74.10	77.41	80.23	81.17	89.36
Catanduanes	2.01	2.90	3.11	3.24	3.36	3.40	3.75
Masbate	63.49	89.55	95.83	100.10	103.75	104.97	115.58
Sorsogon	34.31	49.43	52.90	55.26	57.27	57.95	63.79
TOTAL	189.83	269.43	288.35	301.20	312.16	315.83	347.73
VI							
Aklan	199.37	272.07	291.15	304.15	315.21	318.92	351.13
Antique	9.50	13.53	14.48	15.12	15.67	15.86	17.46
Capiz	203.21	275.84	295.19	308.38	319.59	323.35	356.01
Guimaras &	94.03	130.02	139.13	145.35	150.63	152.40	167.79
Iloilo	244.68	337.54	361.21	377.35	391.07	395.67	435.63
Negros Occ.***	710.47	1036.19	1108.87	1158.39	1200.52	1214.64	1337.31
Negros Or.***	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	1461.26	2065.19	2210.03	2308.73	2392.70	2420.84	2665.32
VII							
Bohol	82.40	113.71	121.68	127.12	131.74	133.29	146.75
Cebu	195.49	289.21	309.50	323.32	335.08	339.02	373.26
Negros Occ.***	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Or.***	66.53	92.23	98.70	103.11	106.86	108.12	119.03
Siquijor	0.84	1.23	1.32	1.38	1.43	1.45	1.60
TOTAL	345.25	496.39	531.20	554.93	575.11	581.88	640.64
VIII							
Biliran &	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern Leyte	32.11	43.95	47.03	49.13	50.92	51.52	56.72
Southern Leyte	1.46	1.98	2.13	2.22	2.30	2.33	2.57
Eastern Samar	0.73	0.95	1.02	1.07	1.10	1.12	1.23
Northern Samar	8.66	12.25	13.10	13.68	14.18	14.35	15.80
Western Samar	41.57	58.74	62.86	65.67	68.05	68.86	75.81
TOTAL	84.52	117.87	126.15	131.78	136.56	138.18	152.14
IX							
Basilan	1.22	1.70	1.82	1.90	1.97	1.99	2.19
Misamis Occ.	58.99	88.48	94.69	98.92	102.51	103.71	114.19
Sulu	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tawi-Tawi	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zamboanga Norte	12.29	17.63	18.86	19.70	20.42	20.66	22.74
Zamboanga Sur	1324.47	1924.92	2056.73	2148.58	2226.71	2252.91	2480.43
TOTAL	1396.97	2029.72	2172.10	2269.10	2351.61	2379.27	2619.56

Table 4-44 WATER DEMAND FOR FISHERIES
(High Economic Growth Scenario) (3/3)

(UNIT: MCM)

WATER RESOURCES							
REGION/PROVINCE	1996	2000	2005	2010	2015	2020	2025
X							
Agusan Norte	66.20	94.16	100.77	105.27	109.10	110.38	121.54
Agusan Sur	0.11	0.14	0.15	0.16	0.17	0.17	0.19
Bukidnon***	1.23	1.60	1.71	1.79	1.85	1.87	2.06
Camiguin	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Misamis Oriental	27.04	39.82	42.60	44.51	46.13	46.67	51.38
Davao del Norte***	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Norte	53.18	79.40	84.96	88.76	91.98	93.06	102.47
TOTAL	147.76	215.12	230.19	240.49	249.23	252.16	277.64
XI							
Davao del Norte***	54.99	71.78	76.82	80.25	83.17	84.14	92.64
Davao del Oriental	18.23	23.80	25.47	26.60	27.57	27.89	30.71
Davao del Sur	74.23	105.71	113.12	118.18	122.47	123.91	136.43
Sarangani	145.21	216.32	231.49	241.83	250.63	253.58	279.18
South Cotabato***	3.40	4.44	4.75	4.97	5.15	5.21	5.73
Surigao del Sur	64.93	92.91	99.43	103.88	107.65	108.92	119.92
TOTAL	360.98	514.96	551.09	575.70	596.63	603.65	664.60
XII							
Bukidnon***	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lanao del Norte	227.91	332.56	355.90	371.78	385.30	389.84	429.21
Lanao del Sur	0.29	0.40	0.43	0.45	0.47	0.47	0.51
Maguindanao	32.69	45.10	48.26	50.41	52.25	52.87	58.21
North Cotabato	0.49	0.63	0.68	0.71	0.73	0.74	0.82
South Cotabato***	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sultan Kudarat	6.85	9.06	9.69	10.13	10.50	10.62	11.69
TOTAL	268.24	387.76	414.96	433.48	449.25	454.53	500.44
GRAND TOTAL	6898.70	9805.29	10493.04	10961.68	11360.30	11493.93	12654.72

**Table 4-45 WATER DEMAND FOR FISHERIES
(Low Economic Growth Scenario) (1/3)**

(UNIT: MCM)

WATER RESOURCES REGION/PROVINCE	1996	2000	2005	2010	2015	2020	2025
I							
Akita	0.23	0.29	0.30	0.31	0.32	0.32	0.33
Benguet**	0.02	0.03	0.03	0.03	0.03	0.03	0.03
Ilocos Norte	6.20	7.81	8.17	8.47	8.70	8.87	8.97
Ilocos Sur	16.99	21.37	22.38	23.19	23.81	24.27	24.53
La Union	24.23	31.77	33.27	34.49	35.40	36.09	36.48
TOTAL	47.67	61.27	64.45	66.49	68.26	69.55	70.34
II							
Batanes	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cagayan	44.60	59.42	62.21	64.49	66.21	67.48	68.22
Iligao	0.50	0.63	0.66	0.68	0.70	0.72	0.72
Isabela	5.10	6.40	6.70	6.94	7.13	7.26	7.34
Kalaga Apayao	0.63	0.79	0.83	0.86	0.88	0.90	0.91
Mt. Province	0.14	0.17	0.18	0.19	0.19	0.20	0.20
Nueva Vizcaya	0.67	0.84	0.88	0.92	0.94	0.96	0.97
Quirino	3.56	4.47	4.68	4.85	4.98	5.07	5.13
TOTAL	55.20	72.72	76.14	78.93	81.03	82.59	83.49
III							
Aurora	4.70	6.49	6.80	7.04	7.23	7.37	7.45
Bataan	269.11	368.32	385.64	399.78	410.40	418.29	422.83
Benguet**	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bataan	475.63	628.58	658.13	682.26	700.40	713.85	721.60
Nueva Ecija	23.46	29.40	30.78	31.91	32.76	33.39	33.75
Pampanga	1060.74	1487.20	1557.11	1614.20	1657.11	1688.94	1707.26
Pangasinan	241.13	306.71	321.12	332.89	341.74	348.31	352.09
Tarlac	8.62	10.80	11.31	11.72	12.03	12.26	12.40
Zambales	12.82	16.11	16.87	17.49	17.95	18.30	18.50
TOTAL	2096.21	2853.61	2937.75	3097.30	3179.62	3240.70	3275.88
IV							
Batangas	11.57	16.21	16.97	17.59	18.06	18.41	18.60
Cavite	4.31	5.92	6.21	6.43	6.60	6.72	6.80
Laguna	0.27	0.34	0.36	0.37	0.38	0.39	0.39
Metro Manila	85.65	108.10	113.18	117.33	120.45	122.76	124.09
Marinduque	8.36	11.56	12.10	12.55	12.88	13.13	13.27
Mindoro Occidental	65.31	82.97	86.88	90.07	92.46	94.23	95.26
Mindoro Oriental	67.34	92.06	96.39	99.92	102.58	104.56	105.68
Palawan	1.98	2.48	2.60	2.69	2.76	2.82	2.85
Quezon	195.43	247.41	259.04	268.54	275.67	280.97	284.02
Rizal	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Romblon	4.58	5.74	6.01	6.23	6.39	6.51	6.58
TOTAL	444.81	572.81	599.74	621.72	638.24	650.51	657.56

**Table 4-45 WATER DEMAND FOR FISHERIES
(Low Economic Growth Scenario) (2/3)**

(UNIT: MCM)

WATER RESOURCES REGION/PROVINCE	1996	2000	2005	2010	2015	2020	2025
V							
Albay	10.26	13.45	14.08	14.59	14.98	15.28	15.41
Camarines Norte	30.25	42.52	44.52	46.15	47.37	48.28	48.81
Camarines Sur	49.52	66.48	69.59	72.15	74.07	75.49	76.31
Catanduanes	2.01	2.79	2.92	3.02	3.11	3.16	3.20
Masbate	63.49	85.97	90.00	93.31	95.78	97.62	98.68
Sorsogon	34.31	47.45	49.68	51.50	52.87	53.89	54.47
TOTAL	189.83	258.65	270.80	280.72	288.19	293.72	296.92
VI							
Aklan	199.37	261.19	273.46	283.49	291.02	296.62	299.84
Antique	9.50	12.98	13.59	14.10	14.47	14.74	14.90
Capiz	203.21	264.81	277.27	287.42	295.07	300.74	304.01
Guimaras &	94.03	124.81	130.68	135.47	139.07	141.74	143.28
Iloilo	244.68	324.03	339.27	351.70	361.06	368.00	371.99
Negros Occ.***	710.47	994.66	1041.42	1079.60	1108.29	1129.59	1141.84
Negros Or.***	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	1461.26	1982.49	2075.69	2151.78	2208.99	2251.42	2275.86
VII							
Bohol	82.40	109.16	114.29	118.48	121.63	123.97	125.32
Cebu	195.49	277.61	290.66	301.32	309.33	315.27	318.69
Negros Occ.***	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Or.***	66.53	88.54	92.70	96.10	98.65	100.55	101.64
Siquijor	0.84	1.19	1.25	1.29	1.32	1.34	1.37
TOTAL	345.25	476.51	498.90	517.20	530.94	541.14	547.02
VIII							
Biliran &	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern Leyte	32.11	42.20	44.18	45.80	47.01	47.91	48.44
Southern Leyte	1.46	1.91	2.00	2.07	2.13	2.16	2.19
Eastern Samar	0.73	0.91	0.96	0.99	1.02	1.04	1.05
Northern Samar	8.66	11.75	12.30	12.75	13.10	13.35	13.49
Western Samar	41.57	56.39	59.04	61.21	62.83	64.03	64.73
TOTAL	84.52	113.15	118.47	122.82	126.09	128.50	129.90
IX							
Basilan	1.22	1.63	1.71	1.77	1.82	1.86	1.88
Misamis Occ.	58.99	84.92	88.92	92.18	94.63	96.44	97.49
Sulu	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tawi-Tawi	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zamboanga Norte	12.29	16.92	17.72	18.36	18.85	19.21	19.42
Zamboanga Sur	1324.47	1844.90	1931.61	2002.44	2055.67	2095.16	2117.89
TOTAL	1396.97	1948.38	2039.96	2114.75	2170.97	2212.67	2236.69
X							
Agusan Norte	66.20	90.40	94.64	98.12	100.72	102.66	103.78
Agusan Sur	0.11	0.14	0.14	0.15	0.15	0.16	0.16
Bukidnon***	1.23	1.54	1.61	1.67	1.71	1.74	1.76
Comiguin	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Misamis Oriental	27.04	38.22	40.02	41.48	42.58	43.40	43.87
Davao del Norte***	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Norte	53.18	76.21	79.79	82.72	84.91	86.54	87.49
TOTAL	147.76	206.50	216.20	224.15	230.08	234.50	237.05

**Table 4-45 WATER DEMAND FOR FISHERIES
(Low Economic Growth Scenario) (3/3)**

(UNIT: MCM)

WATER RESOURCES REGION/PROVINCE	1996	2000	2005	2010	2015	2020	2025
XI							
Davao del Norte**	54.99	68.92	72.16	74.80	76.79	78.26	79.11
Davao del Oriental	18.23	22.85	23.92	24.80	25.46	25.95	26.23
Davao del Sur	74.23	101.47	106.24	110.14	113.06	115.23	116.49
Sarangani	145.21	207.64	217.40	225.38	231.36	235.81	238.37
South Cotabato***	3.40	4.27	4.47	4.63	4.75	4.84	4.90
Surigao del Sur	64.93	89.19	93.39	96.82	99.38	101.29	102.40
TOTAL	360.93	494.35	517.58	536.56	550.81	561.38	567.49
XII							
Bukidnon***	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lanao del Norte	227.91	319.23	334.24	346.50	355.70	362.54	366.47
Lanao del Sur	0.29	0.39	0.40	0.42	0.43	0.44	0.44
Maguindanao	32.69	43.30	45.33	47.00	48.24	49.17	49.70
North Cotabato	0.49	0.61	0.64	0.66	0.68	0.69	0.70
South Cotabato***	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sultan Kudarat	6.85	8.70	9.10	9.44	9.69	9.88	9.99
TOTAL	268.24	372.22	389.72	404.01	414.75	422.72	427.31
GRAND TOTAL	668.70	942.66	985.10	1021.63	1045.79	1068.41	1080.49

**Table 4-46 AGRICULTURAL WATER DEMAND
(High Economic Growth Scenario) (1/2)**

(Unit: MCM)

Water Resources Region/Province	1995	2000	2005	2010	2015	2020	2025
I	1484.55	1966.56	2447.17	2548.95	2670.71	2707.14	2751.58
ABRA	199.87	227.40	263.61	274.38	280.99	283.84	286.88
BENGUET	52.97	56.03	56.32	56.42	60.12	60.29	60.56
ILOCOS NORTE	791.41	934.92	1145.72	1234.87	1302.83	1334.23	1366.84
ILOCOS SUR	236.86	489.55	709.03	711.83	736.99	737.89	741.45
LA UNION	200.43	258.66	272.49	274.45	289.77	290.90	295.84
II	4203.65	6067.55	6946.88	8065.50	9648.45	10968.20	12298.51
BATANES	0.01	5.19	5.22	5.22	5.25	5.25	5.25
CAGAYAN	1063.81	1684.92	1914.41	2326.41	2968.99	3530.10	4098.44
IFUGAO	62.57	85.14	117.63	145.82	183.00	214.85	246.97
ISABELA	1798.09	2255.88	2422.64	2799.53	3440.83	3970.71	4502.13
KALINGA APAYAO	509.07	922.54	1010.07	1098.36	1260.06	1372.23	1484.68
MT. PROVINCE	194.88	252.96	259.67	261.18	261.47	261.85	262.47
NUEVA VIZCAYA	520.43	624.53	835.40	990.92	1046.00	1091.41	1137.26
QUIRINO	54.73	236.37	381.86	438.05	482.85	521.75	561.33
III	6194.57	9996.33	12474.76	13328.37	14596.90	15328.33	16455.10
AURORA	125.60	199.07	227.65	240.58	266.91	280.51	294.88
BATAAN	406.37	578.93	634.78	653.22	669.46	674.88	720.60
BENGUET	37.52	37.61	37.63	37.73	38.73	38.90	39.16
BULACAN	1012.99	1309.08	1395.95	1470.62	1568.73	1634.63	1771.96
NUEVA ECUA	1748.63	2567.13	3601.21	3818.10	4093.02	4201.12	4313.61
PAMPANGA	1280.86	2330.46	2472.91	2550.96	2657.40	2684.92	2875.55
PANGASINAN	1277.44	2017.54	2952.69	3153.59	3483.35	3659.50	3879.84
TARLAC	220.84	687.77	784.49	990.25	1337.99	1637.57	1938.85
ZAMBALES	84.32	268.75	364.46	413.33	491.33	555.00	620.64
IV	1799.11	2633.28	2953.91	3343.08	3951.67	4452.65	5022.33
BATANGAS	119.41	167.84	268.74	281.97	296.17	308.64	324.74
CAVITE	199.75	330.88	358.72	401.35	478.67	534.10	590.69
LAGUNA	265.05	385.69	406.77	432.81	474.47	503.84	546.17
MINDUQUE	11.92	24.88	32.90	35.39	36.85	37.55	39.72
MINDORO OCC.	221.91	379.37	412.46	521.11	698.77	852.56	1015.57
MINDORO ORIENTAL	307.70	420.21	451.53	538.02	680.88	800.24	929.85
PALAWAN	80.75	187.37	213.59	237.34	277.32	308.45	340.23
QUEZON	501.21	3600.49	629.57	685.05	757.40	820.87	912.17
RIZAL	55.67	75.73	96.02	117.74	148.94	176.27	204.47
ROMBLON	35.71	66.73	83.61	92.30	102.19	110.03	118.70
V	1326.03	1919.65	2302.11	2673.60	3135.97	3485.07	3864.46
ALBAY	592.12	644.26	731.85	806.59	941.83	1033.36	1126.74
CAMARINES N.	67.25	122.93	152.56	177.34	206.54	232.63	263.59
CAMARINES SUR	478.70	735.74	907.35	1125.46	1358.82	1543.10	1735.33
CATANDUANES	14.23	61.66	61.57	64.98	68.97	70.98	73.44
MASBATE	80.05	174.72	222.62	262.69	311.10	353.17	404.96
SORSOGON	93.69	180.34	224.14	236.53	248.71	251.83	260.41
VI	2601.94	3775.68	4585.73	5250.64	5685.81	5975.91	6485.51
AKLAN	341.13	476.81	510.94	526.63	544.77	549.01	582.03
ANTIQUE	218.99	297.74	366.08	387.00	405.43	415.93	428.10
CAPIZ	252.36	427.19	515.95	552.65	582.21	599.23	645.45
ILOILO GUIMARAS	826.10	1172.33	1356.32	1605.03	1808.02	1948.63	2139.38
NEGROS OCC.	946.82	1376.77	1810.51	2153.40	2319.41	2437.17	2664.63
NEGROS OR.	16.54	24.84	25.93	25.93	25.93	25.93	25.93
VII	617.20	1031.61	1293.24	6468.63	1459.23	1513.88	1623.76
BOHOL	210.98	306.76	542.08	573.49	615.05	643.17	684.05
CEBU	233.78	384.84	439.18	454.49	472.50	479.11	517.39
NEGROS OCC.	1.44	10.53	14.95	20.59	29.85	38.36	46.88
NEGROS OR./SIQUIJOR	171.02	239.45	297.04	322.07	341.83	352.22	375.45

**Table 4-46 AGRICULTURAL WATER DEMAND
(High Economic Growth Scenario) (2/2)**

(Unit: MCM)

Water Resources Region/Province	1996	2000	2005	2010	2015	2020	2025
VIII	582.97	1004.44	1235.89	1297.74	1397.62	1453.15	1523.72
N. LEYTE-BILIRAN	432.27	636.29	729.96	770.17	850.66	896.96	949.54
SOUTHERN LEYTE	71.54	80.08	83.30	84.71	88.48	89.03	90.06
EASTERN SAMAR	15.71	89.34	101.05	102.59	104.86	105.27	105.99
NORTHERN SAMAR	15.42	79.38	165.65	169.75	172.62	173.26	175.45
WESTERN SAMAR	48.04	119.35	155.92	170.52	180.99	188.62	202.66
IX	2022.56	2782.43	3056.78	3286.76	3560.91	3742.67	4139.55
BASILAN	2.68	3.27	3.43	3.90	4.58	5.21	6.11
MISAMIS OCC.	145.01	180.69	187.31	191.80	196.06	198.19	210.08
SULU	0.13	1.15	1.27	1.31	1.45	1.53	1.65
TAWI-TAWI	0.02	0.11	0.12	0.13	0.15	0.17	0.19
ZAMBOANGA NORTE	96.90	145.83	206.57	290.02	396.83	497.10	599.83
ZAMBOANGA SUR	1777.81	2451.38	2658.53	2799.60	2961.84	3040.47	3321.70
X	586.01	1007.12	1530.01	1827.60	2223.25	2583.89	2968.85
AGUSAN DEL N.	144.26	316.76	548.72	656.62	807.10	911.03	1091.28
AGUSAN DEL S.	179.98	259.15	380.04	492.10	647.37	798.85	943.60
BUKIDNON	11.34	47.98	68.37	76.43	77.04	101.57	113.72
MISAMIS OR. Comiguin	56.22	118.52	159.53	191.26	226.93	259.17	296.05
DAVAO DEL NORTE	86.20	103.23	135.54	161.99	192.52	221.40	250.29
SURIGAO DEL NORTE	103.01	161.48	237.80	249.51	257.36	258.86	268.91
XI	1333.66	1646.44	1820.98	2163.27	2660.34	3111.14	3619.70
DAVAO DEL NORTE	450.06	486.40	500.50	626.60	816.23	1000.47	1193.08
DAVAO ORIENTAL	78.55	137.01	179.69	216.93	261.50	303.38	348.22
DAVAO SUR	369.27	458.55	516.53	557.25	616.75	659.56	714.96
SO. COTABATO SARANGA	322.90	407.80	440.49	538.65	689.25	822.57	979.68
SURIGAO DEL SUR	102.90	156.69	183.75	223.86	276.63	325.17	383.77
XII	2780.97	4335.63	6016.47	7262.66	9012.37	10594.74	12220.05
BUKIDNON	302.54	432.25	581.58	695.92	866.93	1025.79	1184.95
LANAO DEL NORTE	499.40	728.18	790.60	791.58	825.47	840.55	870.74
LANAO DEL SUR	25.87	171.47	419.08	594.23	811.97	1022.76	1233.64
MAGUINDANAO	150.45	458.03	901.97	1117.46	1416.16	1702.26	1993.22
NORTH COTABATO	626.49	1098.18	1770.39	2081.78	2523.67	2929.09	3335.21
SOUTH COTABATO	945.39	1147.47	1225.09	1511.43	1970.94	2379.63	2788.77
SULTAN KUDARAT	230.81	300.03	343.75	470.28	597.23	704.66	813.54
TOTAL	25533.23	38166.71	46663.94	52418.81	60003.17	65955.45	72973.41

Table 4-47 SHARE OF GROUNDWATER AND SURFACE WATER BY WATER RESOURCES REGION FOR MUNICIPAL AND INDUSTRIAL WATER IN HIGH ECONOMIC GROWTH SCENARIO

W.R.	Usage	(Unit: MCM/year)																							
		1995			2000			2015			2030			2045			2060			2075					
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			
I	Municipal	46.0	1.4	47.4	57.5	3.2	60.7	71.5	5.4	76.9	88.0	8.2	96.2	107.0	11.6	118.6	127.4	15.5	142.9	150.1	19.9	170.1			
	Industrial	5.3	67.7	73.0	9.4	67.7	77.1	13.0	67.7	80.7	18.4	67.7	86.1	25.8	67.7	93.5	36.5	67.7	104.1	51.9	67.7	119.6			
	Subtotal	51.3	69.1	120.4	66.9	70.8	137.8	84.5	73.1	157.5	106.4	75.8	182.2	132.8	79.2	212.1	163.9	83.4	210.6	202.0	87.6	262.8			
II	Municipal	39.3	0.0	39.3	53.7	0.0	53.7	64.8	0.0	64.8	61.5	0.0	61.5	190.2	0.0	190.2	189.4	0.0	189.4	180.2	0.0	180.2			
	Industrial	0.7	15.4	16.1	2.8	15.4	18.2	3.1	15.4	18.7	4.6	15.4	20.0	6.2	15.4	21.7	8.5	15.4	24.9	12.0	15.4	27.4			
	Subtotal	40.0	15.4	55.4	56.5	15.4	71.9	67.9	15.4	37.4	66.1	15.4	101.5	196.5	15.4	212.9	207.9	15.4	204.3	192.2	15.4	215.4			
III	Municipal	215.5	1.0	216.5	281.0	24.3	305.3	352.5	36.2	415.7	439.6	168.8	618.4	542.0	389.7	931.7	631.8	485.7	1117.5	672.5	726.8	1329.3			
	Industrial	83.7	125.6	209.3	95.2	125.6	220.8	128.7	125.6	254.3	168.3	125.6	293.9	102.2	125.6	227.8	147.2	125.6	272.8	158.0	125.6	313.6			
	Subtotal	299.2	126.6	425.8	376.2	370.9	526.1	481.2	251.8	670.0	557.9	251.4	812.3	644.2	435.3	1159.5	779.0	611.3	1390.3	830.5	852.4	1642.9			
IV	Municipal	253.1	956.0	1211.1	287.8	1255.8	1563.9	317.2	1551.8	1888.9	349.3	1825.5	2261.8	383.1	2388.0	2542.1	463.8	2518.4	3142.1	433.4	3073.1	3516.7			
	Industrial	212.2	421.6	633.8	174.2	383.9	558.1	181.1	344.2	525.3	161.3	364.4	465.7	221.8	264.3	486.5	140.2	225.0	415.3	186.7	165.2	383.9			
	Subtotal	465.2	1377.6	1844.9	462.0	1639.7	2122.0	508.3	1896.0	2414.2	510.6	2189.9	2727.5	604.9	2473.7	3028.6	604.0	2743.4	3557.4	620.1	3238.3	3900.6			
V	Municipal	74.8	3.0	77.8	96.7	4.9	101.6	114.0	6.6	120.5	135.5	9.1	144.6	176.4	12.1	188.6	206.5	15.8	224.6	242.0	19.2	261.1			
	Industrial	1.6	18.2	19.8	5.6	18.2	23.8	7.2	18.2	25.4	9.4	18.2	27.6	13.4	18.2	36.7	18.6	18.2	34.8	21.9	18.2	41.1			
	Subtotal	76.4	21.3	97.7	102.3	23.2	125.5	121.2	24.8	138.0	144.9	27.4	162.2	189.8	30.4	207.2	225.1	34.4	243.4	263.9	37.4	302.2			
VI	Municipal	103.7	2.6	106.3	142.6	4.9	147.5	189.3	8.0	197.2	247.2	12.0	259.2	314.1	15.8	330.9	387.3	22.4	401.1	471.3	24.9	500.2			
	Industrial	45.6	523.6	569.3	45.6	523.6	569.2	64.4	523.6	588.1	71.6	523.6	595.2	77.5	523.6	601.2	82.2	523.6	605.8	55.7	523.6	609.3			
	Subtotal	149.3	526.2	635.6	188.2	523.6	638.4	253.8	523.6	666.3	143.2	523.6	690.4	154.7	523.6	702.4	164.4	523.6	707.0	111.4	523.6	638.6			
VII	Municipal	129.2	3.6	132.8	133.8	45.8	183.5	157.0	96.6	253.5	176.2	154.5	330.7	194.3	216.9	411.2	290.0	357.8	586.8	240.8	553.7	734.5			
	Industrial	88.0	77.8	165.8	88.6	77.8	166.4	150.9	77.8	228.7	171.0	77.8	248.7	218.3	77.8	296.1	236.4	77.8	313.2	213.1	77.8	300.1			
	Subtotal	217.2	81.4	298.5	222.4	123.6	350.0	317.8	174.4	482.2	347.2	232.2	579.4	412.6	294.7	707.3	526.4	435.5	850.0	453.9	631.5	1034.5			
VIII	Municipal	40.2	11.0	51.2	48.6	18.9	67.5	58.4	30.2	88.7	68.7	45.3	114.0	83.7	64.7	147.0	54.4	83.7	138.5	106.6	125.9	236.5			
	Industrial	29.4	11.0	40.4	34.8	11.0	45.8	51.5	11.0	62.4	69.9	11.0	80.9	95.7	11.0	106.7	112.2	11.0	143.1	184.5	11.0	195.5			
	Subtotal	69.6	22.0	91.6	83.4	29.9	113.3	110.0	41.2	151.1	138.6	56.3	194.9	179.4	76.7	253.7	166.6	94.7	251.6	219.1	236.9	432.0			
IX	Municipal	64.1	8.9	73.2	78.5	25.4	103.9	95.5	48.0	143.5	115.3	77.7	193.0	137.1	114.2	251.3	157.7	157.8	181.0	197.4	360.5				
	Industrial	1.4	4.3	5.7	9.5	4.3	13.7	21.3	4.3	25.5	24.2	4.3	32.5	37.7	4.3	41.9	52.1	4.3	56.3	73.6	4.3	77.9			
	Subtotal	65.7	13.2	78.8	87.9	29.7	117.6	116.8	52.3	169.0	141.5	82.0	225.5	174.8	118.5	293.2	162.1	162.1	193.8	254.6	211.7	458.4			
X	Municipal	80.1	3.0	83.1	93.5	15.0	108.5	119.9	31.5	151.3	149.6	49.3	199.9	191.9	65.6	267.5	219.6	83.4	324.0	285.7	124.5	412.6			
	Industrial	43.3	167.1	210.4	42.0	167.1	209.1	49.6	167.1	216.7	52.4	167.1	219.5	74.0	167.1	241.1	105.1	167.1	272.2	145.6	167.1	312.8			
	Subtotal	123.3	184.2	293.5	135.5	164.1	320.6	169.5	188.6	367.0	202.0	214.4	419.4	265.9	232.7	488.6	314.7	294.5	595.2	431.3	294.7	725.4			
XI	Municipal	77.2	11.7	88.8	85.4	21.8	107.2	92.7	41.4	134.1	99.5	62.9	161.4	107.1	85.3	192.3	113.2	113.0	224.0	119.1	130.9	251.1			
	Industrial	15.0	199.1	214.1	15.4	199.1	214.5	18.5	199.1	217.6	25.4	199.1	224.5	34.5	199.1	233.6	45.4	199.1	244.5	54.0	199.1	253.1			
	Subtotal	92.2	210.8	302.9	100.8	218.9	328.7	111.2	218.2	332.1	124.9	218.2	341.9	141.9	218.2	325.9	158.6	218.2	368.5	173.1	218.2	304.2			
XII	Municipal	68.5	0.0	68.5	88.5	0.0	88.5	107.8	0.0	107.8	80.1	0.0	80.1	264.6	0.0	264.6	216.2	0.0	216.2	157.5	0.0	157.5			
	Industrial	6.3	85.7	92.0	6.8	85.7	92.5	8.0	85.7	93.7	10.5	85.7	96.1	13.7	85.7	99.4	17.0	85.7	102.6	21.3	85.7	106.9			
	Subtotal	74.8	85.7	160.5	95.3	85.7	185.0	115.8	85.7	193.4	90.6	85.7	186.8	278.3	85.7	364.0	333.2	85.7	317.8	278.8	107.0	364.4			
Nation	Municipal	1435	1302	2737	1454	1445	2899	1780	1376	3156	2154	2511	4665	2600	3128	5728	2955	3936	6891	3441	5316	8526			
	Industrial	54	1719	2264	513	1679	2192	711	1640	2351	724	1680	2404	940	1560	2500	1073	1520	2593	1282	1481	2762			
	Total	1489	2721	4421	1967	3124	5115	2491	3016	6017	2874	4191	7069	3540	4688	8228	4028	5456	8484	4723	6797	11288			

Table 4-48 SHARE OF GROUNDWATER AND SURFACE WATER BY WATER RESOURCES REGION FOR MUNICIPAL AND INDUSTRIAL WATER IN LOW ECONOMIC GROWTH SCENARIO

W.R.	Usage	(Unit: MCM/year)																							
		1995			2000			2015			2030			2045			2060			2075					
		GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total			
I	Municipal	46.0	1.4	47.4	57.5	3.2	60.7	71.5	5.4	76.9	88.0	8.2	96.2	107.0	11.6	118.6	127.4	15.5	142.9	150.1	19.9	170.1			
	Industrial	5.3	67.7	73.0	9.4	67.7	77.1	13.0	67.7	80.7	18.4	67.7	86.1	25.8	67.7	93.5	36.5	67.7	104.1	51.9	67.7	119.6			
	Subtotal	51.3	69.1	120.4	66.9	70.8	137.8	84.5	73.1	157.5	106.4	75.8	182.2	132.8	79.2	212.1	163.9	83.4	210.6	202.0	87.6	262.8			
II	Municipal	39.3	0.0	39.3	53.7	0.0	53.7	64.8	0.0	64.8	61.5	0.0	61.5	190.2	0.0	190.2	189.4	0.0	189.4	180.2	0.0	180.2			
	Industrial	0.7	15.4	16.1	2.8	15.4	18.2	3.1	15.4	18.7	4.6	15.4	20.0	6.2	15.4	21.7	8.5	15.4	24.9	12.0	15.4	27.4			
	Subtotal	40.0	15.4	55.4	56.5	15.4	71.9	67.9	15.4	37.4	66.1	15.4	101.5	196.5	15.4	212.9	207.9	15.4	204.3	192.2	15.4	215.4			
III	Municipal	215.5	1.0	216.5	281.0	24.3	305.3	352.5	36.2	415.7	439.6	168.8	618.4	542.0	389.7	931.7	631.8	485.7	1117.5	672.5	726.8	1329.3			
	Industrial	83.7	125.6	209.3	95.2	125.6	220.8	128.7	125.6	254.3	168.3	125.6	293.9	102.2	125.6										

Table 4-49 SHARE OF GROUNDWATER AND SURFACE WATER BY MAJOR RIVER BASIN FOR MUNICIPAL AND INDUSTRIAL WATER IN HIGH ECONOMIC GROWTH SCENARIO

MRB	(Unit: BCM/Year)																												
	1995				2000				2005				2010				2015				2020								
	Municipal GW	Industrial GW	Municipal SW	Industrial SW	Municipal GW	Industrial GW	Municipal SW	Industrial SW	Municipal GW	Industrial GW	Municipal SW	Industrial SW	Municipal GW	Industrial GW	Municipal SW	Industrial SW	Municipal GW	Industrial GW	Municipal SW	Industrial SW	Municipal GW	Industrial GW	Municipal SW	Industrial SW					
All	47	0.0	0.2	19.4	6.3	0.0	0.3	19.4	8.3	0.0	0.5	19.4	10.7	0.0	0.7	19.4	13.7	0.0	0.9	19.4	17.0	0.0	1.3	19.4	20.8	0.0	1.8	19.4	
Long	6.9	0.0	0.0	3.4	12.2	0.0	0.1	3.4	16.5	0.0	0.1	3.4	21.9	0.0	0.1	3.4	28.3	0.0	0.2	3.4	35.8	0.0	0.3	3.4	44.4	0.0	0.4	3.4	
Others	32.4	1.4	0.1	15.8	37.0	3.2	9.0	14.8	46.7	5.4	12.4	14.8	55.4	8.2	17.6	14.8	65.0	11.6	24.7	14.8	74.5	15.5	21.1	14.8	84.9	19.9	1.4	14.8	
WRR I Total	46.9	1.4	0.3	17.7	37.5	3.2	9.4	17.7	71.5	5.4	13.0	17.7	88.0	8.2	18.4	17.7	107.0	11.6	25.8	17.7	127.4	15.5	22.0	17.7	150.1	19.9	1.5	17.7	
Cyprus	35.4	0.0	0.6	11	36.3	0.0	1.1	11	53.9	0.0	2.9	11	76.1	0.0	4.6	11	94.4	0.0	5.5	11	113.4	0.0	7.6	11	134.1	0.0	10.6	11	
ANKA	1.4	0.0	0.0	5.1	1.6	0.0	0.1	5.1	1.8	0.0	0.1	5.1	1.9	0.0	0.2	5.1	2.1	0.0	0.2	5.1	2.2	0.0	0.4	5.1	2.2	0.0	0.5	5.1	
Others	2.5	0.0	0.1	9.2	2.8	0.0	0.2	9.2	3.2	0.0	0.3	9.2	3.5	0.0	0.4	9.2	3.8	0.0	0.5	9.2	3.9	0.0	0.7	9.2	3.9	0.0	0.9	9.2	
WRR II Total	39.3	0.0	0.7	15.4	50.7	0.0	2.3	15.4	64.8	0.0	3.0	15.4	81.5	0.0	4.6	15.4	100.2	0.0	6.2	15.4	119.4	0.0	8.6	15.4	140.2	0.0	11.0	15.4	
Phrygia	127.2	0.0	30.1	141	165.0	4.2	57.6	141	211.6	10.8	77.1	141	264.3	14.0	81.1	141	318.3	12.1	61.2	141	354.3	17.3	68.2	141	394.3	24.2	112.6	141	
Agas	37.3	1.0	10.3	0.7	49.9	18.3	11.8	0.7	65.7	40.3	15.8	0.7	83.9	75.1	12.9	0.7	103.0	129.4	12.6	0.7	116.3	225.5	18.1	0.7	131.3	336.9	25.1	0.7	
Others	51.0	0.0	23.3	110.7	65.1	1.9	26.8	110.7	82.2	5.0	35.8	110.7	101.4	22.9	29.3	110.7	120.7	57.2	24.5	110.7	133.2	82.4	18.1	110.7	146.9	123.7	52.3	110.7	
WRR III Total	215.5	1.0	81.7	125.8	280.0	24.3	96.2	125.8	359.5	56.2	126.7	125.8	449.6	168.8	165.3	125.8	542.0	309.7	102.2	125.8	633.8	465.2	147.2	125.8	625.5	756.8	183.0	125.8	
Phrygia Bay	161.2	0.0	136.2	230.4	183.1	924.9	115.3	198.6	198.1	1125.0	127.4	158.9	211.4	1301.4	108.6	119.2	218.1	1595.8	219.4	79.5	250.7	1,827.2	126.5	39.7	277.8	2,566.6	133.8	0.0	
Antalya Plain	6.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Others	93.9	20.0	63.9	185.1	106.9	35.9	55.8	185.1	119.0	426.8	61.7	185.1	128.9	530.2	32.6	185.1	144.9	618.3	72.3	185.1	451.0	711.1	62.1	185.1	165.6	865.8	64.8	185.1	
WRR IV Total	255.1	20.0	202.2	421.6	287.1	1,275.8	171.2	383.9	317.2	1,551.8	1,691.3	314.2	340.3	1,921.5	1,613.3	304.4	383.1	2,349.0	221.8	264.7	403.8	2,538.4	1,907.2	225.0	413.4	3,073.8	198.7	425.2	
Boz	29.7	0.0	0.7	21	37.9	0.0	1.6	21	56.1	0.0	3.9	21	68.0	0.0	5.2	21	80.0	0.0	5.2	21	80.0	0.0	6.9	21	92.1	0.0	9.6	21	
Others	45.1	3.0	0.9	16.1	58.7	4.9	3.3	16.1	71.9	6.6	4.2	16.1	89.1	9.1	5.5	16.1	108.5	12.1	7.2	16.1	129.0	15.6	9.4	16.1	148.8	19.2	13.3	16.1	
WRR V Total	74.8	3.0	1.6	19.2	96.7	4.9	3.9	19.2	118.0	6.6	8.5	19.2	145.5	9.1	9.9	19.2	176.4	12.1	12.4	19.2	209.0	15.6	16.8	19.2	232.0	19.2	23.9	19.2	
Phrygia	0.1	2.3	0.1	1.9	0.1	4.4	0.1	1.9	0.1	7.2	0.1	1.9	0.1	10.8	0.1	1.9	0.1	15.2	0.2	1.9	0.1	20.1	0.2	1.9	0.1	26.1	0.2	1.9	
Big Mersin	16.9	0.0	11.5	140.7	20.0	0.0	11.7	140.7	23.1	0.0	11.7	140.7	26.3	0.0	11.7	140.7	29.4	0.0	11.7	140.7	32.0	0.0	11.7	140.7	34.6	0.0	11.7	140.7	
Jalir	12.6	0.0	0.3	0.2	21.3	0.0	0.3	0.2	33.0	0.0	0.4	0.2	47.9	0.0	0.5	0.2	66.0	0.0	0.5	0.2	87.0	0.0	0.5	0.2	111.3	0.0	0.6	0.2	
Others	74.1	0.2	33.7	363.9	104.0	0.5	34.5	363.9	133.5	0.8	41.4	363.9	172.9	1.1	53.0	363.9	218.5	1.6	57.3	363.9	268.5	3.1	61.8	363.9	325.2	2.7	61.4	363.9	
WRR VI Total	103.7	2.6	45.6	523.6	142.6	4.9	46.6	523.6	189.7	2.0	44.4	523.6	249.2	3.2	46.6	523.6	314.3	3.6	47.5	523.6	381.3	4.7	47.5	523.6	451.7	5.3	47.5	523.6	
WRR VII Total	126.2	7.6	88.0	77.8	177.8	25.1	88.6	77.8	137.0	36.6	150.9	77.8	176.2	43.5	170.0	77.8	193.7	236.9	218.3	77.8	240.0	359.8	218.3	77.8	280.0	553.7	271.3	77.8	
WRR VIII Total	46.2	11.0	20.4	11.0	43.6	18.9	38.8	11.0	58.4	20.2	51.5	11.0	66.7	45.3	68.9	11.0	82.3	84.3	68.9	11.0	94.8	84.3	68.9	11.0	107.5	125.9	104.5	11.0	
WRR IX Total	43.7	8.9	1.4	4.3	78.5	25.7	4.5	4.3	55.5	38.0	21.3	4.3	115.8	37.7	28.2	4.3	131.1	113.2	37.7	4.3	159.7	157.8	55.1	4.3	191.0	196.4	126.4	4.3	
Agas	5.3	0.0	0.1	1.8	8.4	0.0	0.1	1.8	9.0	0.0	0.1	1.8	12.3	0.0	0.1	1.8	15.3	0.0	0.1	1.8	17.3	0.0	0.1	1.8	21.1	0.0	0.1	1.8	
Teghen	13.0	0.8	15.9	29.7	14.6	4.7	15.4	29.7	15.8	8.2	15.2	29.7	16.5	12.9	15.3	29.7	16.5	17.2	15.2	29.7	15.8	22.0	16.6	29.7	14.7	33.9	53.6	29.7	
Cyprus D. On	54.8	1.8	22.7	39.4	64.5	10.4	22.1	39.4	81.2	14.1	22.4	39.4	108.5	24.4	22.3	39.4	142.8	37.7	28.9	39.4	182.1	47.9	33.3	39.4	222.2	51.9	35.2	39.4	
Others	6.9	0.5	4.6	56.2	8.1	2.9	4.4	56.2	10.6	5.1	4.5	56.2	12.3	6.0	5.5	56.2	15.3	10.9	5.6	56.2	18.7	13.4	6.7	56.2	22.0	14.4	5.6	56.2	
WRR X Total	80.1	3.0	43.3	167.1	94.5	18.0	42.0	167.1	118.9	31.5	42.8	167.1	149.6	49.3	52.4	167.1	191.9	65.8	74.0	167.1	239.6	83.4	65.1	167.1	288.1	134.5	145.6	167.1	
Tajir	4.3	0.0	0.3	39.1	4.6	0.0	0.3	39.1	4.9	0.0	0.3	39.1	5.2	0.0	0.3	39.1	5.6	0.0	0.3	39.1	5.9	0.0	0.3	39.1	6.3	0.0	0.3	39.1	
Buaya Malangan	8.2	1.0	4.0	129.1	9.7	2.0	3.9	129.1	10.8	3.5	4.8	129.1	11.8	5.3	6.3	129.1	12.8	7.3	4.8	129.1	13.8	8.6	129.1	14.8	9.6	129.1	15.8	10.6	129.1
Duay	63.5	7.6	10.1	10.6	66.2	15.5	10.0	10.6	71.3	27.0	11.7	10.6	76.7	40.5	16.0	10.6	82.4	55.6	15.6	10.6	87.2	72.3	17.3	10.6	92.8	96.6	16.4	10.6	
Others	4.2	1.1	1.6	20.3	4.9	6.3	1.6	20.3	5.4	10.9	1.9	20.3	5.8	16.3	2.6	20.3	6.3	22.4	2.5	20.3	6.6	29.1	2.8	20.3	6.9	36.5	6.5	20.3	
WRR XI Total	77.2	11.7	16.0	179.1	83.4	23.8	15.8	179.1	92.3	41.4	16.7	179.1	99.5	62.1	17.9	179.1	107.1	85.3	24.7	179.1	113.2	110.9	24.0	179.1	119.1	139.0	31.0	179.1	
Mindanao	46.0	1.0	4.3	9.6	75.3	0.0	4.2	9.6	114.5	0.0	4.2	9.6	139.5	0.0	4.2	9.6	163.7	0.0	4.2	9.6	187.7	0.0	4.2	9.6	211.9	0.0	4.2	9.6	
Agas	5.9	0.0	0.4	72.2	16.0	0.0	0.5	72.2	16.2	0.0	0.5	72.2	16.3	0.0	0.5	72.2	16.4	0.0	0.5	72.2	16.5	0.0	0.5	72.2	16.6	0.0	0.5	72.2	
Others	13.8	0.0	1.6	3.9	15.2	0.0	1.8	3.9	17.0	0.0	2.1	3.9	18.3	0.0	2.3	3.9	19.7	0.0	2.5	3.9	20.9	0.0	2.7	3.9	21.9	0.0	2.9	3.9	
WRR XII Total	65.5	0.0	6.3	157.9	101.5	0.0	6.8	157.9	131.0	0.0	8.0	157.9	145.8	0.0	8.5	157.9	160.4	0.0	9.0	157.9	175.3	0.0	9.7	157.9	190.2				