

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS & HIGHWAYS

**Pilot Study
for the
Rural Road Network Development Project**

FINAL REPORT

APPENDIX

(VOLUME III)

FEBRUARY, 1989

JAPAN INTERNATIONAL COOPERATION AGENCY

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Rural Road Network Development Project**

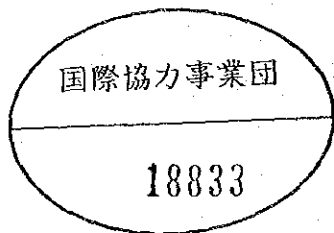
FINAL REPORT

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BASIC DATA BY PROVINCE

Basic Data by Province (1)

	Land Area (km ²)		Distance to MM/Cebu/Davao (km)	Population			
	Total Area	Arable Area		1975 Total	1985 Total	1985 Urban	1985 Rural
All Philippines	299,970.4	133,258.0	240	12,070,655	54,688,749	21,822,043	32,846,706
NCR	836.0	196.4	20	4,970,006	6,942,204	6,942,204	0
Region I	21,668.5	9,217.3	270	3,269,391	3,902,677	1,028,981	2,873,696
Abra	3,975.6	939.3	330	147,010	176,889	29,717	146,972
Benguet	2,655.4	446.2	210	302,058	408,973	147,052	261,921
Ilocos Norte	3,399.3	1,448.7	400	371,724	425,006	118,544	306,461
Ilocos Sur	2,579.6	1,205.0	280	419,776	487,987	89,189	398,818
La Union	1,493.1	955.3	230	414,635	508,316	92,624	415,692
Mountain Province	2,097.3	209.1	280	94,096	110,059	4,563	105,496
Pangasinan	5,368.2	4,013.7	180	1,520,085	1,785,548	546,282	1,240,266
Region II	36,403.1	10,232.6	340	1,933,177	2,520,978	437,238	2,083,740
Balabes	209.3	55.8	750	11,870	12,979	3,499	9,480
Cagayan	9,002.7	3,347.9	380	644,076	795,277	124,186	671,091
Iligan	2,617.8	252.0	250	104,707	122,898	12,323	110,575
Isabela	10,664.6	4,554.0	280	730,385	998,984	188,795	810,189
Kalinza-Apayao	7,047.6	728.1	350	163,225	211,051	26,453	184,598
Nueva Vizcaya	3,903.9	916.8	200	213,151	279,441	60,320	219,121
Quirino	3,057.2	378.0	200	66,763	100,338	21,652	78,686
Region III	18,230.8	10,235.6	80	4,210,136	5,466,130	2,558,450	2,897,680
Davao	1,373.0	693.3	60	263,269	386,479	180,462	205,017
Bulacan	2,625.0	1,695.9	40	899,629	1,266,841	738,643	626,898
Nueva Ecija	5,284.3	3,308.6	110	947,995	1,194,410	337,264	857,146
Pampanga	2,180.7	1,503.4	60	1,042,164	1,346,340	838,474	507,866
Tarlac	3,053.4	1,816.1	110	640,899	757,377	143,406	613,971
Zambales	3,714.4	1,118.5	120	416,280	505,983	320,201	185,782
Region IV	46,924.2	19,717.0	210	5,213,843	7,089,369	2,825,110	4,264,259
Aurora	3,239.6	1,819.0	160	90,060	127,969	32,363	95,606
Batanga	3,165.8	2,096.6	70	1,032,009	1,312,287	239,649	1,072,638
Cavite	1,287.6	719.7	30	628,321	933,653	599,857	333,695
Laguna	1,759.7	1,091.0	80	803,750	1,142,909	752,618	390,291
Marinduque	959.2	737.2	260	162,804	191,448	27,995	163,453
Occidental Mindoro	5,879.9	1,539.8	290	185,787	255,772	42,237	213,535
Oriental Mindoro	4,364.7	2,222.8	290	388,744	518,015	74,289	444,326
Palawan	14,896.3	3,459.2	680	300,055	438,801	106,344	332,457
Quezon	8,708.6	4,199.2	130	1,025,902	1,286,791	382,654	904,137
Rizal	1,308.9	1,030.1	30	414,192	673,066	539,484	133,582
Romblon	1,365.9	992.4	360	182,209	208,155	27,620	180,538
Region V	17,632.5	12,086.9	360	3,193,721	3,921,555	932,858	2,988,697
Albay	2,552.6	2,050.8	320	728,827	906,215	211,457	694,758
Camarines Norte	2,112.5	1,318.5	200	288,406	352,054	107,592	244,462
Camarines Sur	5,266.8	3,614.7	270	1,023,819	1,247,063	319,115	927,947
Catanduanes	1,611.5	730.9	460	172,780	192,833	48,636	144,197
Masbate	4,047.7	2,630.7	480	533,387	656,623	110,075	546,548
Sorsogon	2,141.4	1,731.3	370	445,502	556,757	138,982	430,785
Region VI	20,223.2	13,673.0	270	4,145,390	5,092,415	1,627,589	3,564,826
Aklan	1,817.9	940.0	320	293,349	353,320	47,614	315,705
Antique	2,522.0	1,447.3	300	308,484	385,294	84,501	303,793
Capiz	2,533.2	1,630.6	270	445,716	555,745	81,724	477,021
Iloilo	5,324.0	3,827.1	250	1,313,049	1,595,198	468,632	1,126,566
Negros Occidental	7,926.1	5,828.0	200	1,755,792	2,186,858	846,218	1,341,640
Region VII	14,951.6	8,316.8	160	3,387,269	4,195,009	1,435,597	2,759,412
Bohol	4,117.3	3,095.5	160	759,370	871,898	136,682	733,216
Cebu	5,088.4	2,823.7	30	1,818,410	2,329,803	1,086,685	1,243,118
Negros Oriental	5,402.3	2,536.7	220	740,412	917,416	200,639	716,777
Siquijor	343.5	161.9	230	69,077	75,892	9,591	66,301
Region VIII	21,431.7	9,620.1	290	2,699,728	3,072,760	717,498	2,355,262
Leyte	5,268.3	4,012.5	220	1,203,118	1,428,321	374,017	1,054,304
Southern Leyte	1,734.8	1,204.8	230	276,418	334,273	55,702	278,571
Eastern Samar	4,339.5	1,355.5	320	287,149	357,623	97,197	260,426
Northern Samar	3,498.0	1,176.8	350	354,655	429,760	108,510	321,250
Samar	5,591.0	1,870.5	310	478,378	522,783	82,072	440,711
Region IX	18,685.1	8,688.1	490	2,047,882	2,852,983	526,364	2,326,619
Basilan	1,327.2	757.7	480	171,027	229,951	36,260	193,691
Sulu	1,800.4	970.5	600	240,001	404,800	74,484	330,316
Tawi-Tawi	1,087.4	377.4	750	143,487	217,957	24,768	193,189
Zamboanga del Norte	6,075.2	2,547.6	330	490,515	660,465	115,573	544,892
Zamboanga del Sur	6,594.9	4,034.9	290	1,002,852	1,349,810	275,279	1,074,531
Region X	28,327.8	10,383.6	210	2,314,205	3,178,586	968,596	2,209,991
Agusan del Norte	2,590.3	618.4	210	300,735	419,937	157,140	262,797
Agusan del Sur	8,955.5	2,183.0	140	213,215	310,453	61,237	249,216
Bukidnon	8,293.8	3,192.0	120	532,818	725,784	123,073	602,711
Camiguin	229.8	72.2	260	52,547	60,866	17,925	42,940
Nisamis Occidental	1,939.3	1,240.4	250	356,319	433,843	76,718	357,125
Nisamis Oriental	3,570.1	1,872.9	190	550,490	807,237	390,658	416,579
Surigao del Norte	2,739.0	1,204.7	300	298,080	420,457	141,544	278,613
Region XI	31,662.9	11,463.0	110	2,714,558	3,836,461	1,363,903	2,472,558
Davao del Norte	8,129.8	2,653.8	80	589,597	817,601	208,600	609,001
Davao del Sur	6,377.6	2,217.8	40	938,263	1,315,187	519,840	695,347
Davao Oriental	5,154.5	1,980.3	110	299,426	385,800	94,829	291,971
South Cotabato	7,468.8	3,291.9	110	588,867	881,136	306,260	574,878
Surigao del Sur	4,522.2	1,309.2	210	302,305	436,737	134,374	301,363
Region XII	23,293.1	9,427.4	130	2,070,349	2,697,722	559,688	2,038,036
Lanao del Norte	3,092.0	1,621.6	190	381,234	531,397	107,106	424,291
Lanao del Sur	3,872.9	1,197.6	150	499,882	445,791	83,367	362,424
Maguindanao	6,474.1	1,677.0	140	478,119	602,829	170,946	431,883
North Cotabato	6,555.9	2,817.4	60	472,302	657,613	110,471	547,042
Sultan Kudarat	4,288.2	2,213.6	130	238,812	360,192	87,798	272,396

Basic Data by Province (2)

	GRDP (Mp)	Per Capita Income (p)	No. of Workers by Industrial Sector in 1980					Un- employment Rate (%)	Under- employment Rate (%)
			Total	Primary	Secondary	Tertiary	Others		
All Philippines	610,082	5,593	4,197,122	7,303,326	2,176,741	4,562,122	164,934	6.4	36.9
NCR	174,379	10,797	1,096,433	122,621	627,000	1,316,305	30,607	16.6	22.0
Region I	27,202	5,734	988,785	671,776	132,186	272,639	12,284	3.9	38.9
Abra	1,132	4,199	46,183	33,900	3,076	8,629	368	1.2	49.4
Benguet	3,556	9,216	114,712	49,100	28,297	37,095	220	8.8	27.6
Ilocos Norte	2,833	6,448	109,118	69,382	9,746	27,702	2,289	1.8	42.0
Ilocos Sur	3,311	4,175	127,387	83,002	13,950	28,699	1,736	1.6	43.7
La Union	3,402	8,461	122,237	67,894	16,892	36,573	1,878	6.3	39.7
Mountain Province	920	5,019	40,238	33,044	1,944	5,013	237	6.2	42.9
Pangasinan	12,038	5,182	428,930	236,454	69,262	128,028	6,566	3.2	37.0
Region II	17,786	5,030	642,476	469,314	41,333	123,359	8,468	5.3	39.3
Balabac	99	6,091	4,379	2,456	66	913	945	0.0	42.9
Cagayan	5,546	4,632	198,162	139,493	13,321	40,808	4,640	4.7	36.4
Iligao	1,129	4,537	46,478	39,968	2,439	3,896	178	1.7	44.8
Isabela	6,920	4,693	242,666	172,990	17,813	50,421	1,742	5.6	39.0
Kalinga-Apayao	1,420	6,790	67,260	47,989	1,473	7,462	336	8.9	46.4
Nueva Vizcaya	2,029	6,274	69,113	47,005	6,226	16,206	676	4.3	41.0
Quirino	642	6,927	24,417	19,418	1,296	3,664	52	0.0	46.0
Region III	60,561	6,808	1,388,123	555,965	296,979	612,473	22,686	5.6	34.6
Bataan	4,801	6,396	101,623	34,671	32,018	34,159	876	5.6	36.8
Bulacan	17,032	7,361	366,426	104,833	112,394	136,919	3,279	6.0	32.9
Nueva Ecija	10,353	5,014	282,380	176,799	22,624	74,240	9,717	4.1	34.6
Pampanga	16,137	7,483	328,794	99,421	84,926	139,990	4,458	9.0	34.6
Tarlac	7,655	4,931	191,166	99,846	24,805	63,811	2,704	1.4	36.8
Zambales	5,523	10,982	127,735	41,616	20,213	64,354	1,663	5.1	36.6
Region IV	91,073	5,514	1,826,029	864,778	382,039	661,110	17,102	5.8	28.9
Aurora	1,174	3,134	30,072	21,652	1,604	6,766	160	3.4	33.9
Batangas	18,491	5,431	362,531	162,485	78,806	119,024	2,216	7.7	30.8
Cavite	14,332	7,157	262,059	78,138	74,862	97,043	2,016	2.6	19.1
Laguna	17,038	7,396	304,662	99,716	85,091	117,566	2,189	9.3	20.4
Marinduque	2,036	3,606	45,664	26,936	7,036	10,741	942	6.1	34.6
Occidental Mindoro	2,384	5,335	60,299	44,042	3,636	12,482	140	0.9	39.0
Oriental Mindoro	4,670	4,049	117,462	80,130	7,987	25,621	3,814	9.0	33.7
Palawan	4,077	3,901	106,260	78,723	7,103	18,819	615	1.1	34.4
Quezon	13,846	3,763	323,594	208,478	36,963	76,995	2,168	7.5	34.8
Rizal	10,739	6,974	171,348	33,264	69,866	66,662	2,667	9.3	24.4
Romblon	2,398	3,056	52,178	31,225	9,137	11,671	186	7.0	34.8
Region V	20,760	3,447	920,308	609,166	89,864	211,948	9,331	3.1	45.1
Albay	5,381	3,868	230,286	127,271	38,694	60,633	3,687	3.2	41.3
Camarines Norte	1,908	3,454	81,529	49,345	9,644	21,956	584	2.7	44.2
Camarines Sur	6,428	3,604	283,934	191,181	22,639	67,700	2,414	1.8	44.8
Calendugas	1,002	3,449	44,386	30,475	2,688	10,816	507	0.0	47.8
Masbate	9,161	3,018	149,941	119,434	6,318	23,588	601	3.7	48.1
Sorsogon	2,870	2,918	130,233	91,469	9,981	27,266	1,638	5.9	47.6
Region VI	46,671	4,294	1,320,036	798,496	126,948	377,611	17,081	4.0	45.3
Aklan	3,466	5,133	96,444	58,312	11,804	26,011	1,317	3.8	42.7
Antique	3,264	3,256	98,319	58,513	9,763	20,761	1,282	0.0	44.7
Capiz	4,623	3,802	141,679	99,249	11,144	34,804	482	1.6	44.0
Iloilo	14,262	4,765	412,539	241,653	37,941	126,234	7,711	6.8	42.5
Negros Occidental	20,066	4,122	671,054	336,768	66,296	171,701	6,289	3.9	48.9
Region VII	41,710	3,878	1,236,141	703,161	190,660	334,137	8,293	2.1	31.0
Bohol	7,419	3,161	244,970	166,829	36,154	60,261	2,736	1.3	43.3
Cebu	27,193	4,125	707,639	388,908	136,906	230,593	2,130	2.6	20.8
Negros Oriental	6,681	3,968	262,012	192,743	17,388	48,560	3,331	1.6	44.9
Siquijor	587	3,672	21,620	16,681	1,100	4,643	96	0.0	41.7
Region VIII	13,607	3,281	788,603	563,666	64,066	161,933	9,040	5.6	42.8
Leyte	6,651	3,466	373,727	264,262	30,073	84,817	4,576	2.9	41.0
Southern Leyte	1,403	3,363	81,904	69,649	4,674	16,957	824	7.6	43.6
Eastern Samar	1,466	3,296	86,668	65,086	4,562	16,676	326	11.2	47.9
Northern Samar	1,628	2,372	98,388	73,921	4,438	18,429	1,600	2.0	44.1
Samar	2,460	3,632	147,916	110,747	10,398	26,066	1,716	10.2	42.6
Region IX	21,187	4,110	681,943	498,186	38,374	137,307	0,067	2.9	33.8
Basilan	1,695	2,936	52,136	39,587	2,467	9,505	577	0.0	38.7
Sulu	2,975	3,836	99,246	78,461	7,719	14,466	600	12.1	33.3
Tawi-Tawi	1,262	4,681	42,787	36,176	1,620	5,785	277	1.0	38.1
Zamboanga del Norte	4,882	3,606	160,746	124,172	6,628	28,107	1,839	0.9	38.6
Zamboanga del Sur	10,473	4,547	327,068	222,800	20,040	79,444	4,774	2.3	30.4
Region X	30,486	4,873	782,706	496,961	65,785	190,309	10,661	6.2	39.6
Agusan del Norte	4,697	4,347	98,887	62,034	16,396	29,878	1,690	9.1	36.4
Agusan del Sur	2,207	4,191	69,133	56,669	2,401	10,164	709	0.8	35.2
Bukidnon	5,540	5,653	170,671	136,724	6,414	26,169	1,374	7.7	40.0
Cebu	616	2,742	16,293	11,004	857	4,254	178	3.8	42.3
Misamis Occidental	4,670	2,909	112,274	70,343	8,702	31,912	1,317	2.6	40.1
Misamis Oriental	9,208	6,336	198,408	101,314	24,523	68,019	4,552	8.0	42.0
Surigao del Norte	3,650	4,083	97,030	68,673	7,493	19,933	931	4.4	38.3
Region XI	42,441	5,190	948,917	627,226	83,978	231,626	6,189	6.1	42.4
Davao del Norte	8,958	4,956	209,409	161,937	11,346	36,209	917	1.4	44.9
Davao del Sur	17,056	6,933	336,886	178,040	44,110	112,663	1,082	11.2	36.4
Davao Oriental	3,446	4,083	89,509	70,193	3,376	14,513	1,427	4.7	49.1
South Cotabato	9,111	5,429	212,661	149,317	14,466	47,497	1,391	6.4	46.0
Surigao del Sur	4,470	3,882	101,453	67,738	10,690	21,653	1,372	3.0	46.5
Region XII	23,270	4,089	597,624	423,084	47,640	121,666	5,234	2.6	40.3
Lanao del Norte	5,672	3,968	130,600	74,428	17,059	36,938	3,076	5.4	40.7
Lanao del Sur	4,229	5,158	97,746	60,709	14,043	22,356	638	1.6	40.7
Maguindano	5,283	3,603	139,261	103,113	6,885	26,698	686	2.4	35.3
North Cotabato	5,409	3,603	162,176	121,300	4,762	26,369	754	2.6	42.6
Sultan Kudarat	2,777	4,646	77,942	63,634	2,891	11,316	202	0.0	44.2

Basic Data by Provinces (3)

	Agricultural Area (ha)			Crop Area				Production			
	Total Area	Farm Area	Unutilized Area	Palay (ha)	Corn (ha)	SugarCane (ha)	Coconut (1000trees)	Palay (t)	Corn (t)	SugarCane (kg)	Coconut (1000nut)
All Philippines	14,789,200	9,011,200	5,778,000	3,849,882	2,466,886	298,825	317,136.0	7,893,691	2,839,444	14,352,270	10,249,151
NCR	48,100	48,100	0	38,358	5,336	1,341	1,113.7	96,860	10,483	66,326	37,427
Region I	944,800	373,500	571,300	332,824	37,743	2,987	528.6	686,539	41,227	78,965	9,014
Abra	96,300	24,000	72,300	18,933	4,661	148	12.8	30,555	7,517	208	140
Benguet	45,800	42,600	3,200	7,203	582	0	1.4	11,805	582	1	171
Ilocos Norte	148,800	40,500	108,100	37,232	3,901	762	44.8	107,126	4,078	14,263	697
Ilocos Sur	123,600	43,400	80,200	35,687	4,806	231	23.8	65,371	3,479	6,14	310
La Union	98,000	41,100	56,900	35,873	1,650	215	59.4	89,750	1,465	907	1,122
Mountain Province	21,500	19,200	2,300	7,177	1,693	113	6.0	14,469	1,932	450	72
Pangasinan	411,000	162,700	248,300	190,619	20,850	1,508	378.6	342,453	22,174	60,532	6,502
Region II	2,021,400	568,200	1,453,200	392,556	134,070	2,550	788.0	857,125	144,769	36,350	18,357
Batanes	11,000	4,500	6,500	182	241	33	43.7	364	463	292	397
Cagayan	661,400	147,500	513,900	124,793	42,107	1,921	411.5	236,194	45,315	29,208	9,634
Iligao	48,800	33,500	15,300	12,649	5,188	1	4.2	19,555	6,102	2	117
Isabela	899,500	222,300	677,200	162,883	65,957	443	161.9	384,840	66,344	8,540	5,271
Kalinga-Apayao	143,800	78,800	65,000	40,756	5,630	76	122.9	92,375	9,512	422	2,305
Nueva Vizcaya	181,100	68,800	112,300	40,888	7,857	37	33.3	104,445	9,123	32	494
Quirino	74,700	25,000	49,700	10,413	7,090	39	9.4	19,242	8,900	864	139
Region III	1,087,800	468,500	619,300	563,284	9,723	24,495	133.8	1,464,167	14,156	210,300	2,300
Bataan	73,700	20,700	53,000	22,326	267	388	58.5	59,259	344	1,808	606
Bulacan	180,200	56,700	113,500	105,008	950	111	12.6	249,745	1,382	3,280	493
Nueva Ecija	351,600	183,700	167,900	245,890	4,817	189	16.0	709,502	5,706	2,226	399
Pampanga	170,400	71,700	98,700	70,125	1,655	14,782	10.9	188,874	4,019	112,941	173
Tarlac	193,000	97,100	95,900	95,705	1,852	8,819	7.6	214,231	2,549	88,419	266
Zambales	118,900	28,600	90,300	22,289	182	206	28.3	42,556	156	1,626	363
Region IV	2,001,300	1,128,300	875,000	406,067	90,084	37,092	70,813.9	786,262	90,672	692,573	1,733,977
Aurora	164,300	27,600	136,700	16,848	481	3	856.2	30,132	350	2	16,681
Batangas	212,800	127,300	85,500	48,856	24,930	27,758	3,645.5	69,600	21,034	539,265	117,886
Cavite	73,100	47,800	25,300	27,475	3,741	1,146	1,048.0	67,573	7,113	67,179	37,949
Laguna	110,700	67,400	43,300	36,763	838	8,105	6,691.1	114,833	1,266	285,823	215,048
Narundaque	74,800	33,800	41,000	10,536	1,252	1	3,581.3	11,359	779	0	67,304
Occidental Mindoro	156,300	93,000	63,300	45,904	7,456	4	187.7	110,402	7,292	2	2,906
Oriental Mindoro	225,600	128,500	97,100	77,514	9,058	26	4,252.9	144,830	8,990	6	133,688
Palawan	352,200	203,400	148,800	51,493	11,804	40	2,910.7	78,181	12,478	176	103,520
Quezon	428,200	320,000	108,200	66,615	24,724	2	43,640.8	107,137	25,456	3	949,751
Rizal	104,600	28,000	76,600	11,630	3,011	6	89.5	23,532	4,329	111	950
Romblon	100,700	48,500	52,200	12,524	2,679	1	3,890.2	18,683	1,585	6	68,184
Region V	983,700	946,600	38,100	266,082	113,808	5,974	52,897.6	518,847	84,487	280,712	1,520,585
Albay	150,700	146,100	5,600	51,858	17,001	1,360	8,272.8	104,233	15,186	60,942	309,781
Camarines Norte	108,300	105,500	1,800	15,964	751	110	9,782.3	40,700	625	3,094	186,440
Camarines Sur	271,200	260,900	10,300	117,459	23,096	4,355	13,002.1	250,385	21,666	214,890	332,148
Catanduanes	47,600	40,500	7,100	12,344	2,137	87	956.5	17,708	1,901	1,336	17,564
Masbate	258,100	259,200	8,900	34,993	68,617	37	11,484.1	29,512	43,014	79	364,993
Sorsogon	137,900	133,300	4,600	33,484	2,206	15	9,399.8	76,309	2,096	371	309,559
Region VI	1,072,200	746,800	326,400	473,793	95,246	148,066	9,754.2	982,774	65,136	9,817,866	253,282
Aklan	73,700	44,500	29,200	38,599	2,299	5	3,550.1	72,727	1,870	1	115,775
Antique	113,500	68,100	45,400	58,513	7,945	1,458	821.2	100,427	2,466	38,701	18,579
Capiz	127,900	86,900	41,000	93,259	7,903	8,717	985.6	235,848	6,768	478,020	29,943
Iloilo	300,100	246,200	53,900	208,822	26,066	19,705	1,437.5	408,837	13,753	587,987	19,120
Negros Occidental	457,000	300,100	156,900	76,590	51,033	118,180	2,949.8	164,935	40,279	8,713,144	69,855
Region VII	730,200	629,700	200,500	120,327	369,554	43,348	18,101.0	182,477	333,000	1,308,304	473,570
Bohol	271,800	138,300	133,500	89,981	25,027	91	4,257.2	122,376	18,436	819	123,587
Cebu	221,600	163,300	58,300	7,195	198,742	5,455	8,601.1	19,085	183,757	259,355	192,389
Negros Oriental	222,800	220,600	2,100	22,349	137,506	37,792	4,903.8	49,426	126,359	1,048,120	152,354
Siquijor	14,200	7,600	6,600	801	7,279	0	338.9	559	4,438	0	5,130
Region VIII	921,200	646,700	275,500	210,128	64,419	10,102	44,078.6	378,627	63,638	547,016	1,342,893
Leyte	347,200	274,000	73,200	116,281	48,386	10,016	15,090.1	216,531	41,381	545,530	391,422
Southern Leyte	110,400	64,500	45,900	12,123	1,156	16	5,107.8	35,405	1,590	111	203,156
Eastern Samar	132,600	78,400	54,400	16,843	100	26	6,036.9	24,427	57	111	232,844
Northern Samar	154,700	129,200	25,500	32,083	1,135	19	10,409.5	44,777	1,524	343	285,755
Samar	176,100	99,600	76,500	33,798	13,642	25	7,434.3	55,487	18,986	21	229,596
Region IX	1,040,800	769,800	271,000	128,930	234,692	710	34,176.9	246,432	199,897	1,405	1,315,636
Basilan	90,800	66,300	24,500	2,273	798	16	5,073.2	4,005	1,248	94	237,710
Sulu	118,300	98,800	17,500	11,198	3,175	191	6,774.2	8,087	1,841	903	221,866
Tawi-Tawi	45,200	38,500	6,700	1,840	623	84	1,412.1	3,190	1,592	218	65,635
Zamboanga del Norte	305,200	225,900	79,300	25,826	72,555	105	9,549.7	38,064	66,066	102	420,270
Zamboanga del Sur	483,300	340,300	143,000	87,793	157,431	314	11,367.7	193,115	129,350	88	370,155
Region X	1,296,100	892,300	403,800	169,618	414,081	9,587	25,244.1	291,108	468,398	570,739	970,795
Agusan del Norte	125,200	87,100	38,100	18,608	18,998	18	2,531.5	34,913	16,582	15	89,082
Agusan del Sur	232,500	125,100	106,400	44,083	57,772	39	871.8	68,702	67,813	85	21,504
Bukidnon	393,400	331,300	62,100	56,112	244,943	9,365	650.9	103,411	314,470	568,110	13,966
Cagigai	17,000	10,700	6,300	1,070	317	0	1,181.9	2,066	304	0	31,235
Misamis Occidental	151,800	86,200	65,600	12,830	18,338	14	6,341.0	34,899	14,204	156	191,123
Misamis Oriental	228,800	150,500	72,300	6,858	71,720	111	6,815.3	8,580	52,539	2,351	312,304
Surigao del Norte	147,400	94,400	53,000	21,049	1,993	40	6,851.7	38,638	2,484	21	311,481
Region XI	1,283,100	1,086,300	176,800	212,426	497,519	5,848	44,567.6	636,291	673,320	327,510	1,914,092
Davao del Norte	283,500	262,900	20,600	65,383	95,156	40	6,241.4	184,675	115,188	696	335,418
Davao del Sur	319,400	287,500	31,900	40,398	138,238	5,553	19,341.6	151,507	203,397	323,243	728,120
Davao Oriental	198,200	155,400	42,800	9,668	42,545	8	9,105.5	22,512	39,524	11	403,329
South Cotabato	322,700	248,800	73,900	68,388	207,125	99	4,706.5	225,559	300,319	3,543	307,430
Surigao del Sur	139,300	131,600	7,700	28,589	14,464	38	5,172.6	52,028	14,892	17	139,815
Region XII	1,378,500	811,400	567,100	347,691	400,710	5,745	14,940.1	777,182	550,273	217,204	657,223
Lanao del Norte	222,500	138,500	84,000	28,367	73,202	29	6,353.9	49,556	88,731	49	294,608
Lanao del Sur	175,100	145,900	29,200	68,605	65,184	22	2,330.9	135,781	101,767	8	

Basic Data by Province (4)

	Number of Elementary Classrooms	Number of Hospital Beds	Incidence of Poverty (%)
All Philippines	225,629	90,008	59.3
NCR	9,278	29,833	44.1
Region I	24,318	8,498	52.3
Abra	1,037	456	65.6
Banguet	2,376	1,180	36.1
Ilocos Norte	2,697	828	54.8
Ilocos Sur	3,262	601	62.4
La Union	2,900	704	42.8
Mountain Province	998	280	57.1
Pangasinan	11,161	1,842	53.7
Region II	11,956	3,239	64.6
Batanes	129	100	74.2
Cagayan	3,718	1,054	55.0
Ifugao	387	207	66.3
Isabela	4,316	904	61.7
Kalinga-Apayao	1,326	467	60.8
Nueva Vizcaya	1,467	322	52.4
Quirino	816	185	53.7
Region III	24,049	6,040	44.4
Bataan	1,910	433	47.2
Bulacan	4,992	1,332	30.5
Nueva Ecija	5,500	882	55.1
Pampanga	5,948	2,140	36.5
Tarlac	3,176	746	58.2
Zambales	2,623	508	38.3
Region IV	26,976	8,857	66.9
Aurora	753	67	82.0
Batangas	5,539	1,935	52.4
Cavite	3,710	814	31.4
Leguna	4,671	1,543	38.8
Martindague	1,475	151	82.5
Occidental Mindoro	1,345	258	61.6
Oriental Mindoro	2,404	379	70.5
Palawan	1,925	958	72.0
Quezon	3,229	1,720	72.5
Rizal	615	752	49.7
Romblon	1,407	270	83.0
Region V	21,279	4,998	73.2
Albay	5,036	1,535	68.8
Camarines Norte	1,935	382	99.6
Camarines Sur	6,338	1,691	71.5
Catanduanes	1,228	446	72.1
Masbate	3,422	532	78.9
Sorsogon	3,320	513	79.5
Region VI	23,531	4,859	73.1
Aklan	2,182	375	68.2
Antique	2,459	250	80.1
Capiz	2,093	495	74.0
Iloilo	7,850	1,742	69.4
Negros Occidental	9,053	1,987	75.1
Region VII	15,462	6,076	68.8
Bohol	5,000	1,182	74.8
Cebu	8,121	3,887	66.2
Negros Oriental	1,656	892	68.5
Siquijor	686	115	86.9
Region VIII	13,842	2,954	70.4
Leyte	6,224	1,483	65.0
Southern Leyte	1,213	371	69.9
Eastern Samar	1,849	399	76.8
Northern Samar	1,930	388	74.9
Samar	2,626	315	69.6
Region IX	11,877	3,110	65.3
Davao	1,106	234	78.4
Sulu	1,292	480	63.0
Tawi-Tawi	877	117	66.0
Zamboanga del Norte	3,305	638	70.6
Zamboanga del Sur	5,097	1,641	60.9
Region X	15,434	5,084	66.2
Agusan del Norte	2,058	878	64.1
Agusan del Sur	1,529	320	68.7
Bukidnon	2,635	799	51.6
Compostela	464	146	88.3
Misamis Occidental	2,855	1,168	78.4
Misamis Oriental	3,973	1,140	68.3
Surigao del Norte	1,910	633	71.5
Region XI	16,182	6,207	61.7
Davao del Norte	3,274	1,790	69.9
Davao del Sur	5,329	2,469	62.5
Davao Oriental	1,720	357	66.8
South Cotabato	3,740	949	57.1
Surigao del Sur	2,119	642	67.7
Region XII	11,545	3,256	95.2
Lanao del Norte	2,963	758	65.3
Lanao del Sur	2,356	344	56.0
Maguindano	1,946	123	68.4
North Cotabato	2,177	1,178	74.3
Sultan Kudarat	2,103	843	54.8

Basic Data by Province (5)

	Length of National Road (Km)					L'
	PCC	AC	Gravel	Earth	Total	
All Philippines	8,133.1	5,714.6	13,601.4	810.4	28,259.5	13,642.3
NCR	440.6	421.8	14.1	0.0	876.2	697.7
Region I	448.0	943.1	904.6	98.2	2,393.9	1,286.2
Abra	1.8	103.1	64.8	10.6	180.3	83.1
Benguet	50.6	184.4	226.1	31.4	472.5	217.1
Ilocos Norte	188.9	42.3	124.6	0.0	355.8	251.7
Ilocos Sur	41.0	129.2	165.2	40.7	376.1	168.1
La Union	50.2	133.6	36.1	0.0	219.9	141.2
Mountain Province	0.0	51.4	242.4	15.5	309.3	103.8
Pangasinan	116.5	319.1	45.4	0.0	480.0	320.6
Region II	007.1	108.0	1,630.3	61.9	2,307.3	1,131.0
Batanes	4.6	12.7	48.4	0.0	65.7	26.7
Cagayan	208.7	33.9	344.3	0.0	586.9	332.3
Ifugao	65.8	1.0	198.8	0.0	265.6	116.4
Isabela	199.1	48.2	179.8	0.0	427.1	282.0
Kalinga-Apayao	1.6	9.6	380.0	8.8	400.0	121.4
Nueva Vizcaya	123.5	2.2	136.1	63.1	314.9	161.7
Quirino	13.8	0.4	244.9	0.0	259.1	87.5
Region III	810.7	601.2	378.0	0.0	1,689.9	1,224.8
Bataan	142.0	122.0	33.8	0.0	297.8	226.3
Bulacan	148.9	88.3	24.7	0.0	241.9	187.3
Nueva Ecija	269.3	12.4	157.7	0.0	429.4	314.1
Pampanga	122.2	74.7	86.8	0.0	283.7	193.1
Tarlac	95.6	81.4	34.3	0.0	211.3	154.7
Zambales	42.7	142.4	40.7	0.0	225.8	140.4
Region IV	530.5	1,239.6	2,198.3	89.4	4,057.8	1,933.8
Aurora	0.4	21.5	197.0	0.0	218.9	72.4
Batangas	43.0	370.3	82.3	11.3	506.9	289.9
Cavite	27.8	256.3	19.8	0.0	303.9	187.5
Laguna	119.6	150.3	80.6	0.0	350.5	234.0
Marinduque	2.6	60.6	150.9	5.0	219.1	84.2
Occidental Mindoro	14.9	10.2	309.4	29.6	364.1	113.8
Oriental Mindoro	0.3	135.3	143.3	0.0	278.9	124.5
Palawan	5.6	9.6	541.8	0.0	557.0	173.9
Quezon	209.5	72.6	438.4	5.0	726.4	384.5
Rizal	108.7	102.8	36.5	0.0	246.1	179.4
Romblon	0.1	50.2	198.2	38.5	287.0	89.7
Region V	624.5	401.3	951.5	47.5	2,034.8	1,153.7
Albay	177.5	76.4	137.3	0.0	391.2	264.5
Camarines Norte	109.9	37.2	40.3	0.0	187.4	144.3
Camarines Sur	170.4	97.2	179.3	41.5	488.4	282.6
Calanduanes	21.6	10.7	249.2	0.0	281.5	102.8
Masbate	8.0	79.8	251.9	4.7	344.4	131.6
Sorsogon	137.1	100.0	103.6	1.3	341.9	228.2
Region VI	314.8	590.4	1,637.4	52.8	2,595.4	1,160.3
Aklan	22.7	25.2	95.2	0.0	143.1	66.4
Antique	21.5	29.9	313.0	0.0	364.4	133.3
Capiz	59.3	17.8	222.3	0.0	299.4	136.7
Iloilo	97.8	240.6	590.7	0.0	929.0	419.3
Negros Occidental	113.5	277.0	415.2	52.8	858.5	404.6
Region VII	169.4	648.5	859.7	9.4	1,627.0	806.4
Bohol	26.7	185.0	371.4	4.4	588.5	249.7
Cebu	78.4	289.5	253.0	5.0	625.9	328.0
Negros Oriental	54.3	149.7	182.9	0.0	386.9	199.0
Siquijor	0.0	23.3	52.4	0.0	75.7	29.7
Region VIII	664.8	58.5	1,161.1	100.3	1,985.0	1,048.4
Leyte	338.1	13.8	561.1	55.9	968.9	514.7
Southern Leyte	67.5	0.1	201.6	0.0	269.2	128.0
Eastern Samar	12.1	16.5	188.5	44.4	261.5	78.6
Northern Samar	41.8	0.0	130.8	0.0	172.6	81.0
Samar	205.3	28.4	79.1	0.0	312.8	245.1
Region IX	51.0	338.2	551.0	0.0	1,040.2	449.2
Basilan	0.0	45.0	17.5	0.0	62.5	32.3
Sulu	9.1	33.8	100.0	0.0	142.9	59.4
Tawi-Tawi	14.2	0.0	78.7	0.0	92.9	37.8
Zamboanga del Norte	8.1	50.7	205.5	0.0	264.3	100.2
Zamboanga del Sur	19.6	208.7	249.2	0.0	477.5	219.5
Region X	639.0	311.8	1,261.1	6.7	2,207.4	1,201.3
Agusan del Norte	127.6	0.9	89.7	0.0	218.2	155.1
Agusan del Sur	176.8	0.4	126.7	0.0	302.9	214.8
Bukidnon	6.0	95.9	647.8	0.0	650.7	228.5
Comguin	1.7	34.6	28.1	0.0	64.4	30.9
Misamis Occidental	0.7	129.1	72.0	0.0	201.8	99.8
Misamis Oriental	242.3	45.1	127.9	5.7	424.0	309.5
Surigao del Norte	83.9	1.5	259.9	0.0	345.4	162.8
Region XI	458.2	123.6	1,234.9	143.0	1,959.7	902.8
Davao del Norte	177.1	2.2	174.6	0.0	353.9	230.8
Davao del Sur	119.2	88.5	167.6	98.1	473.5	222.5
Davao Oriental	11.2	7.2	295.7	0.0	315.1	104.5
South Cotabato	128.7	25.5	289.1	44.9	488.3	230.8
Surigao del Sur	22.0	0.0	306.9	0.0	328.9	114.1
Region XII	384.6	28.7	819.4	202.2	1,434.9	647.6
Lanao del Norte	54.2	0.6	218.6	0.0	273.4	120.1
Lanao del Sur	115.3	7.6	136.6	3.2	265.7	183.8
Maguindanao	113.8	20.3	244.9	185.3	565.3	199.5
North Cotabato	63.5	0.2	122.7	0.0	186.4	100.4
Sultan Kudarat	34.8	0.0	98.8	12.7	144.1	63.8

Basic Data by Province (6)

	Length of Provincial Road (km)					L ¹
	PCC	AC	Gravel	Earth	Total	
All Philippines	711.8	2,433.4	19,764.8	6,524.6	28,424.6	8,098.3
NCR	0.0	0.0	0.0	0.0	0.0	0.0
Region I	49.0	483.4	1,678.6	859.7	2,870.7	842.6
Abra	0.5	54.8	208.2	216.4	479.9	96.8
Benguet	2.0	38.3	155.2	125.6	321.1	71.6
Ilocos Norte	15.0	23.6	236.8	146.9	422.2	100.1
Ilocos Sur	0.6	43.3	135.1	84.1	263.1	67.1
La Union	22.8	57.3	169.7	2.1	251.9	108.1
Mountain Province	0.3	4.8	190.9	76.8	272.8	60.5
Pangasinan	7.8	261.4	582.7	7.8	859.7	339.5
Region II	8.4	156.9	1,416.8	388.2	1,972.3	528.8
Bataan	1.6	0.9	18.0	44.1	64.6	7.6
Cagayan	0.0	108.8	401.4	16.8	527.0	145.7
Iligan	0.0	0.4	28.5	125.5	154.4	8.8
Isabela	2.3	32.2	546.7	0.0	680.2	185.3
Kalinga-Apayao	3.2	9.8	84.5	76.3	173.8	34.4
Nueva Vizcaya	1.3	6.8	241.1	120.5	369.7	77.7
Quirino	0.0	0.0	97.6	5.0	102.6	29.3
Region III	302.8	360.9	1,536.0	186.7	2,384.4	979.8
Bataan	11.8	53.6	159.5	0.3	225.2	91.8
Bulacan	122.8	120.8	129.0	0.0	372.6	234.0
Nueva Ecija	34.8	1.9	660.8	0.0	697.5	234.2
Pampanga	112.8	18.8	77.2	112.8	321.6	147.2
Tarlac	14.4	123.1	342.2	72.6	652.3	190.9
Zambales	6.2	42.7	156.3	0.0	215.2	81.7
Region IV	143.8	549.0	2,822.2	860.0	3,975.0	1,259.9
Aurora	0.0	4.1	111.8	0.0	115.9	36.0
Batangas	5.7	285.7	293.9	75.7	651.0	255.3
Cavite	45.3	91.6	203.0	89.7	429.6	181.1
Laguna	64.8	80.0	79.6	27.7	252.1	136.7
Marinduque	2.6	23.1	131.5	15.9	173.3	55.1
Occidental Mindoro	2.1	0.6	280.1	39.0	321.7	86.4
Oriental Mindoro	0.7	8.8	758.3	0.0	767.8	233.5
Palawan	0.0	16.0	317.2	222.6	555.8	104.8
Quezon	9.2	21.7	262.8	84.7	368.4	98.1
Rizal	7.3	15.7	13.6	30.3	66.8	20.8
Romblon	5.9	1.9	180.5	74.4	262.7	61.2
Region V	35.1	318.2	1,089.5	361.0	1,803.8	552.9
Aibay	2.5	110.4	185.3	76.5	374.7	124.3
Camarines Norte	1.5	57.0	61.6	4.8	134.8	60.2
Camarines Sur	23.7	93.6	601.2	84.0	702.5	230.2
Catanduanes	5.1	8.9	131.2	78.4	223.6	49.8
Masbate	2.3	4.6	69.9	41.0	117.8	26.0
Sorsogon	0.0	33.7	140.4	75.3	250.4	62.3
Region VI	52.0	84.8	1,956.9	106.2	2,229.4	708.7
Aklan	8.3	3.3	274.5	0.0	286.1	92.6
Antique	1.2	2.9	92.6	0.0	96.7	30.7
Capiz	13.6	2.2	250.0	99.7	365.5	89.9
Iloilo	19.1	12.3	552.0	6.5	589.9	192.1
Negros Occidental	19.8	73.6	797.8	0.0	871.2	303.3
Region VII	13.7	170.0	1,906.5	265.5	2,366.8	687.7
Bohol	7.1	11.3	782.9	120.9	922.2	248.8
Cebu	6.8	109.7	733.5	100.3	950.1	292.5
Negros Oriental	0.0	39.7	214.6	45.3	299.6	88.2
Siquijor	0.0	9.3	175.6	0.0	184.9	55.3
Region VIII	55.4	21.1	1,171.9	185.2	1,443.6	429.6
Leyte	42.5	0.0	493.4	24.5	560.4	190.5
Southern Leyte	7.0	0.0	308.3	37.5	350.8	98.9
Eastern Samar	0.4	19.9	167.7	82.5	250.5	62.7
Northern Samar	7.2	0.0	78.8	50.7	146.7	30.8
Samar	8.3	1.2	125.7	0.0	135.2	46.7
Region IX	1.7	184.3	1,563.8	278.3	2,028.1	581.4
Basilan	0.0	2.9	119.8	105.4	229.1	37.7
Sulu	0.8	50.8	155.7	0.0	217.3	81.0
Tawi-Tawi	0.9	0.0	12.1	18.9	29.9	4.5
Zamboanga del Norte	0.0	21.2	785.6	0.0	807.8	248.7
Zamboanga del Sur	0.0	109.4	479.6	155.0	744.0	209.5
Region X	14.1	88.1	1,908.1	863.3	2,673.6	539.4
Agusan del Norte	3.3	0.2	221.6	7.8	232.9	69.9
Agusan del Sur	0.2	0.0	174.7	92.0	266.9	52.5
Bukidnon	0.0	42.1	655.0	90.0	787.1	221.8
Cagiguan	0.3	15.2	39.4	39.6	94.5	21.2
Misamis Occidental	3.8	6.3	270.1	149.7	429.9	88.6
Misamis Oriental	4.5	23.3	285.9	187.8	601.5	104.3
Surigao del Norte	2.0	1.0	261.4	95.4	360.8	81.0
Region XI	10.7	4.5	2,018.5	783.7	2,817.5	619.0
Davao del Norte	0.0	2.4	538.7	10.7	551.8	163.1
Davao del Sur	0.0	0.9	375.0	49.8	425.7	113.0
Davao Oriental	1.0	1.2	420.2	128.5	549.9	127.8
South Cotabato	1.4	0.0	415.8	595.3	1,012.5	261.1
Surigao del Sur	8.3	0.0	258.9	1.4	278.6	89.0
Region XII	5.1	0.7	576.8	985.8	1,569.4	268.6
Lanao del Norte	3.8	0.4	160.8	251.6	416.6	52.3
Lanao del Sur	0.0	0.0	55.3	286.5	341.8	16.8
Maguindanao	0.0	0.3	277.9	169.5	447.8	83.6
North Cotabato	1.3	0.0	206.0	0.0	206.3	51.3
Sultan Kudarat	0.0	0.0	182.8	279.1	461.9	64.8

Basic Data by Province (7)

	Length of City Road (km)					L'
	PCC	AC	Gravel	Earth	Total	
All Philippines	837.6	2,016.6	1,187.0	165.7	3,986.8	2,197.6
NCR	281.9	832.8	169.1	0.0	1,273.8	829.3
Region I	8.3	183.4	118.1	0.0	309.8	153.8
Abra	0.0	0.0	0.0	0.0	0.0	0.0
Benguet	0.2	141.9	0.0	0.0	142.1	86.3
Ilocos Norte	6.9	18.8	105.2	0.0	130.9	49.7
Ilocos Sur	0.0	0.0	0.0	0.0	0.0	0.0
La Union	0.0	0.0	0.0	0.0	0.0	0.0
Mountain Province	0.0	0.0	0.0	0.0	0.0	0.0
Pangasinan	1.2	22.7	12.9	0.0	36.8	18.7
Region II	0.0	0.0	0.0	0.0	0.0	0.0
Batanes	0.0	0.0	0.0	0.0	0.0	0.0
Cagayan	0.0	0.0	0.0	0.0	0.0	0.0
Iligao	0.0	0.0	0.0	0.0	0.0	0.0
Isabela	0.0	0.0	0.0	0.0	0.0	0.0
Kalinga-Apayao	0.0	0.0	0.0	0.0	0.0	0.0
Nueva Vizcaya	0.0	0.0	0.0	0.0	0.0	0.0
Quirino	0.0	0.0	0.0	0.0	0.0	0.0
Region III	56.6	116.9	41.0	45.2	268.6	138.3
Bataan	0.0	0.0	0.0	0.0	0.0	0.0
Bulacan	0.0	0.0	0.0	0.0	0.0	0.0
Nueva Ecija	5.5	15.3	18.8	0.0	39.6	20.3
Pampanga	51.0	30.3	2.0	45.2	128.5	69.8
Tarlac	0.0	0.0	0.0	0.0	0.0	0.0
Zambales	0.0	70.3	20.2	0.0	90.6	48.2
Region IV	37.9	127.7	102.1	25.0	292.7	145.2
Aurora	0.0	0.0	0.0	0.0	0.0	0.0
Batangas	4.6	29.0	1.7	2.0	37.3	22.5
Cavite	23.7	30.1	18.5	19.3	91.6	47.3
Laguna	6.1	49.5	24.2	0.0	79.8	43.1
Morindog	0.0	0.0	0.0	0.0	0.0	0.0
Occidental Mindoro	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Mindoro	0.0	0.0	0.0	0.0	0.0	0.0
Palawan	0.6	7.5	54.9	3.7	66.7	21.6
Quezon	2.9	11.6	2.8	0.0	17.3	10.7
Rizal	0.0	0.0	0.0	0.0	0.0	0.0
Rosblon	0.0	0.0	0.0	0.0	0.0	0.0
Region V	20.3	61.1	125.8	18.1	245.3	105.7
Albay	2.1	17.3	3.5	4.0	26.9	13.5
Comarines Norte	0.0	0.0	0.0	0.0	0.0	0.0
Comarines Sur	18.2	53.8	122.3	14.1	218.4	93.2
Catanduanes	0.0	0.0	0.0	0.0	0.0	0.0
Marbato	0.0	0.0	0.0	0.0	0.0	0.0
Sorsogon	0.0	0.0	0.0	0.0	0.0	0.0
Region VI	79.8	163.0	51.3	5.6	299.7	193.0
Aklan	0.0	0.0	0.0	0.0	0.0	0.0
Antique	0.0	0.0	0.0	0.0	0.0	0.0
Cepiz	11.4	3.8	16.3	0.0	30.5	16.3
Iloilo	27.2	2.7	1.9	0.0	31.8	29.4
Negros Occidental	41.2	156.8	34.1	5.6	237.7	145.3
Region VII	32.4	236.7	24.1	22.0	315.2	181.7
Bohol	0.0	65.4	0.0	0.0	65.4	39.2
Cebu	30.0	127.2	21.7	10.4	189.3	112.8
Negros Oriental	2.4	44.1	2.4	11.5	60.4	29.5
Siquijor	0.0	0.0	0.0	0.0	0.0	0.0
Region VIII	39.1	2.6	20.0	8.7	70.6	46.8
Leyte	30.9	2.8	18.1	8.7	60.5	38.0
Southern Leyte	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Samar	0.0	0.0	0.0	0.0	0.0	0.0
Northern Samar	0.0	0.0	0.0	0.0	0.0	0.0
Samar	8.2	0.0	1.9	0.0	10.1	8.8
Region IX	8.2	76.9	36.3	0.1	121.5	65.2
Basilan	0.0	0.0	0.0	0.0	0.0	0.0
Sulu	0.0	0.0	0.0	0.0	0.0	0.0
Tawi-Tawi	0.0	0.0	0.0	0.0	0.0	0.0
Zamboanga del Norte	5.3	22.5	18.8	0.0	46.6	24.4
Zamboanga del Sur	2.9	54.4	17.5	0.1	74.9	40.8
Region X	36.2	71.2	99.0	11.0	217.4	108.6
Agusan del Norte	20.1	0.0	45.9	0.0	66.0	33.9
Agusan del Sur	0.0	0.0	0.0	0.0	0.0	0.0
Bukidnon	0.0	0.0	0.0	0.0	0.0	0.0
Camiguin	0.0	0.0	0.0	0.0	0.0	0.0
Misamis Occidental	1.4	29.0	35.4	5.5	71.4	29.4
Misamis Oriental	5.2	42.2	10.7	5.4	63.5	33.7
Surigao del Norte	9.5	0.0	7.0	0.0	16.5	11.5
Region XI	15.2	92.5	319.1	25.9	452.7	165.4
Davao del Norte	0.0	0.0	0.0	0.0	0.0	0.0
Davao del Sur	3.8	88.7	148.5	25.9	267.9	101.5
Davao Oriental	0.0	0.0	0.0	0.0	0.0	0.0
South Cotabato	11.4	3.8	170.5	0.0	185.7	64.9
Surigao del Sur	0.0	0.0	0.0	0.0	0.0	0.0
Region XII	21.7	32.6	71.1	3.1	128.5	62.5
Lanao del Norte	6.7	19.8	41.4	0.0	67.9	31.0
Lanao del Sur	1.3	12.0	11.5	2.5	27.3	12.0
Maguindanao	13.7	0.8	18.2	0.5	33.2	19.5
North Cotabato	0.0	0.0	0.0	0.0	0.0	0.0
Sultan Kudarat	0.0	0.0	0.0	0.0	0.0	0.0

Basic Data by Province (8)

	Length of Municipal Road (km)					Total	L ¹
	PCC	AC	Gravel	Earth			
All Philippines	1,706.2	1,879.8	8,319.0	3,221.0	12,826.8	4,640.7	
NCR	361.2	162.0	29.4	11.8	554.4	467.2	
Region I	40.6	288.8	667.7	409.9	1,406.0	419.0	
Abra	4.6	34.3	52.9	160.3	252.1	41.1	
Benguet	0.0	1.1	5.7	23.9	30.7	2.4	
Ilocos Norte	8.2	40.9	213.9	31.8	294.8	98.9	
Ilocos Sur	6.8	56.8	103.9	78.3	245.8	71.9	
La Union	4.6	26.9	51.1	39.1	121.6	36.0	
Mountain Province	0.0	2.3	5.9	29.1	37.3	3.2	
Pangasinan	16.7	124.6	234.3	42.4	417.9	161.7	
Region II	21.0	56.6	827.9	236.3	1,141.7	303.3	
Batanes	14.9	0.0	3.8	11.7	30.4	16.0	
Cagayan	0.0	16.4	170.2	16.1	202.7	60.9	
Iligao	0.0	0.1	13.5	4.8	18.4	4.1	
Isabela	4.8	33.1	341.9	60.6	439.4	127.2	
Kalinga-Apayao	0.4	2.1	25.3	58.0	85.8	9.3	
Nueva Vizcaya	0.9	4.6	189.1	31.2	225.7	60.3	
Quirino	0.0	0.3	84.1	3.9	88.3	25.4	
Region III	202.1	213.6	466.9	166.2	1,036.8	470.0	
Bataan	1.4	46.1	3.8	2.2	52.6	29.6	
Bulacan	128.3	37.2	63.6	15.9	245.0	169.7	
Nueva Ecija	4.4	29.4	289.6	0.9	324.3	108.9	
Pampanga	47.6	7.0	7.3	66.1	118.0	64.0	
Tarlac	11.2	43.3	64.3	13.9	132.7	66.6	
Zambales	9.2	61.6	37.3	65.2	164.3	61.4	
Region IV	330.1	239.4	595.1	216.8	1,381.4	662.3	
Aurora	1.4	6.3	27.9	19.5	55.1	13.6	
Batangas	18.5	109.5	53.2	46.9	237.1	103.2	
Cavite	42.2	5.4	15.0	5.3	67.9	49.9	
Laguna	91.0	21.4	13.3	21.1	146.8	107.8	
Marinduque	11.4	8.9	67.3	47.5	136.1	98.9	
Occidental Mindoro	2.8	0.0	121.1	7.7	131.6	39.1	
Oriental Mindoro	3.2	5.0	56.4	1.9	66.6	23.1	
Palawan	0.0	4.1	71.3	36.1	111.6	23.9	
Quezon	61.4	30.3	104.8	17.6	214.1	111.0	
Rizal	65.5	44.2	28.1	5.6	143.4	100.6	
Rosario	32.7	4.3	26.7	10.5	74.3	43.3	
Region V	107.1	192.3	361.0	121.2	781.6	330.8	
Albay	13.9	59.6	75.2	17.9	166.6	72.2	
Comarines Norte	18.9	29.8	35.1	12.4	86.2	44.3	
Comarines Sur	36.8	35.9	136.5	34.0	243.2	99.3	
Calanduanes	8.5	7.7	44.4	11.1	71.7	26.4	
Masbate	16.1	9.3	37.0	24.2	86.6	32.8	
Sorsogon	12.9	60.0	42.8	21.6	127.3	65.7	
Region VI	198.0	87.6	346.2	59.0	689.8	364.1	
Aklan	28.2	2.2	40.3	9.6	80.3	41.6	
Antique	36.2	5.6	47.2	8.3	97.2	53.7	
Capiz	27.1	1.5	37.0	15.8	81.4	39.1	
Iloilo	88.6	21.1	100.3	14.9	224.8	131.3	
Negros Occidental	18.0	57.3	120.4	10.4	206.1	88.6	
Region VII	97.6	137.3	446.5	226.3	908.7	313.6	
Bohol	26.0	30.8	138.1	93.4	288.3	85.9	
Cebu	71.2	37.5	220.5	74.1	403.3	169.9	
Negros Oriental	0.4	61.7	74.7	59.7	196.6	69.8	
Siquijor	0.0	7.3	12.2	1.1	20.6	8.0	
Region VIII	246.9	18.2	306.4	138.0	708.6	349.4	
Leyte	100.4	10.9	173.3	61.5	346.1	158.9	
Southern Leyte	32.2	0.0	36.6	12.4	81.2	43.2	
Eastern Samar	59.9	4.1	64.9	16.4	135.3	78.8	
Northern Samar	32.8	0.0	12.4	44.2	89.4	35.5	
Samar	21.6	3.2	28.2	3.5	56.5	32.0	
Region IX	3.2	26.6	618.1	253.8	800.7	174.0	
Basilan	0.0	5.6	37.9	4.4	47.9	14.7	
Sulu	0.2	2.6	0.5	16.1	19.4	1.9	
Tawi-Tawi	0.4	0.0	0.0	24.6	25.0	0.4	
Zamboanga del Norte	0.6	16.9	206.7	113.9	337.1	72.2	
Zamboanga del Sur	2.0	1.5	273.0	94.8	371.3	84.8	
Region X	38.4	91.9	656.4	623.8	1,210.6	260.6	
Agusan del Norte	12.9	0.0	72.1	6.3	91.3	34.5	
Agusan del Sur	7.3	0.0	88.4	86.2	161.9	27.8	
Bukidnon	2.1	7.8	116.7	276.3	400.9	41.6	
Camiguin	0.9	16.8	7.3	4.0	28.0	12.6	
Misamis Occidental	1.1	10.3	93.4	65.3	170.1	35.3	
Misamis Oriental	0.7	53.2	65.1	39.8	158.8	82.2	
Surigao del Norte	13.4	4.8	124.4	45.9	199.5	66.6	
Region XI	39.5	33.5	763.8	429.5	1,256.3	265.7	
Davao del Norte	0.3	11.6	230.9	57.5	300.2	76.5	
Davao del Sur	3.4	5.9	191.5	56.9	257.6	84.4	
Davao Oriental	2.5	1.2	82.5	7.6	93.8	22.0	
South Cotabato	17.1	9.9	187.5	297.6	512.1	99.3	
Surigao del Sur	16.2	5.0	81.3	9.9	112.4	43.6	
Region XII	30.5	34.9	447.5	435.4	948.4	186.7	
Lanao del Norte	7.4	0.2	59.4	177.6	244.6	25.3	
Lanao del Sur	0.0	0.0	73.1	35.5	108.6	21.9	
Maguindanao	22.5	20.9	130.7	76.6	249.6	74.3	
North Cotabato	0.5	13.5	162.3	64.2	230.5	67.3	
Sultan Kudarat	0.1	0.3	22.1	92.6	115.1	6.9	

Basic Data by Province (9)

	Length of Barangay Road (km)					L'
	PCC	AC	Gravel	Earth	Total	
All Philippines	0.0	0.0	90,213.6	0.0	90,213.6	13,532.0
NCR	0.0	0.0	234.7	0.0	234.7	35.2
Region I	0.0	0.0	11,011.3	0.0	11,011.3	1,661.7
Abra	0.0	0.0	1,926.4	0.0	1,926.4	288.8
Benguet	0.0	0.0	886.0	0.0	886.0	132.9
Ilocos Norte	0.0	0.0	2,026.3	0.0	2,026.3	303.9
Ilocos Sur	0.0	0.0	1,989.8	0.0	1,989.8	298.4
La Union	0.0	0.0	720.9	0.0	720.9	108.1
Mountain Province	0.0	0.0	201.3	0.0	201.3	30.2
Pangasinan	0.0	0.0	3,261.9	0.0	3,261.9	489.3
Region II	0.0	0.0	7,746.7	0.0	7,746.7	1,161.9
Batanes	0.0	0.0	116.3	0.0	116.3	17.4
Cagayan	0.0	0.0	2,265.2	0.0	2,265.2	339.8
Ifugao	0.0	0.0	563.4	0.0	563.4	84.6
Isabela	0.0	0.0	2,303.3	0.0	2,303.3	345.6
Kalinga-Apayao	0.0	0.0	640.7	0.0	640.7	96.1
Nueva Vizcaya	0.0	0.0	1,613.4	0.0	1,613.4	242.0
Quirino	0.0	0.0	243.4	0.0	243.4	36.5
Region III	0.0	0.0	7,943.1	0.0	7,943.1	1,191.6
Bataan	0.0	0.0	501.2	0.0	501.2	75.2
Bulacan	0.0	0.0	1,770.4	0.0	1,770.4	265.6
Nueva Ecija	0.0	0.0	1,761.7	0.0	1,761.7	264.3
Pampanga	0.0	0.0	1,557.4	0.0	1,557.4	233.6
Tarlac	0.0	0.0	1,746.8	0.0	1,746.8	262.0
Zambales	0.0	0.0	605.6	0.0	605.6	90.8
Region IV	0.0	0.0	9,211.0	0.0	9,211.0	1,381.7
Aurora	0.0	0.0	241.3	0.0	241.3	36.2
Batangas	0.0	0.0	2,221.1	0.0	2,221.1	333.2
Cavite	0.0	0.0	746.7	0.0	746.7	112.0
Leguna	0.0	0.0	646.1	0.0	646.1	96.8
Narindaque	0.0	0.0	138.8	0.0	138.8	20.6
Occidental Mindoro	0.0	0.0	794.2	0.0	794.2	119.1
Oriental Mindoro	0.0	0.0	242.6	0.0	242.6	36.4
Palawan	0.0	0.0	1,795.8	0.0	1,795.8	269.4
Quezon	0.0	0.0	803.0	0.0	803.0	120.5
Rizal	0.0	0.0	771.6	0.0	771.6	115.7
Romblon	0.0	0.0	810.9	0.0	810.9	121.6
Region V	0.0	0.0	4,012.8	0.0	4,012.8	601.9
Albay	0.0	0.0	731.9	0.0	731.9	109.8
Camarines Norte	0.0	0.0	320.7	0.0	320.7	48.1
Camarines Sur	0.0	0.0	1,811.3	0.0	1,811.3	271.7
Catanduanes	0.0	0.0	269.1	0.0	269.1	40.3
Masbate	0.0	0.0	606.0	0.0	606.0	90.8
Sorsogon	0.0	0.0	384.8	0.0	384.8	57.7
Region VI	0.0	0.0	7,486.7	0.0	7,486.7	1,123.0
Aklan	0.0	0.0	716.7	0.0	716.7	107.5
Antique	0.0	0.0	783.4	0.0	783.4	117.5
Capiz	0.0	0.0	968.8	0.0	968.8	145.3
Iloilo	0.0	0.0	2,417.4	0.0	2,417.4	362.6
Negros Occidental	0.0	0.0	2,600.4	0.0	2,600.4	390.1
Region VII	0.0	0.0	5,854.1	0.0	5,854.1	878.1
Bohol	0.0	0.0	2,697.2	0.0	2,697.2	404.8
Cebu	0.0	0.0	1,921.6	0.0	1,921.6	288.2
Negros Oriental	0.0	0.0	1,145.1	0.0	1,145.1	171.8
Siquijor	0.0	0.0	90.2	0.0	90.2	13.5
Region VIII	0.0	0.0	5,113.8	0.0	5,113.8	767.1
Leyte	0.0	0.0	2,665.1	0.0	2,665.1	399.9
Southern Leyte	0.0	0.0	661.4	0.0	661.4	99.2
Eastern Samar	0.0	0.0	968.8	0.0	968.8	145.3
Northern Samar	0.0	0.0	417.5	0.0	417.5	62.6
Samar	0.0	0.0	400.0	0.0	400.0	60.0
Region IX	0.0	0.0	5,211.1	0.0	5,211.1	781.7
Basilan	0.0	0.0	337.5	0.0	337.5	50.6
Sulu	0.0	0.0	419.5	0.0	419.5	62.9
Tawi-Tawi	0.0	0.0	184.7	0.0	184.7	27.7
Zamboanga del Norte	0.0	0.0	1,647.1	0.0	1,647.1	247.1
Zamboanga del Sur	0.0	0.0	2,622.3	0.0	2,622.3	393.3
Region X	0.0	0.0	9,676.1	0.0	9,676.1	1,451.3
Agusan del Norte	0.0	0.0	646.6	0.0	646.6	97.0
Agusan del Sur	0.0	0.0	1,031.4	0.0	1,031.4	154.7
Bukidnon	0.0	0.0	3,293.3	0.0	3,293.3	494.0
Camiguin	0.0	0.0	244.0	0.0	244.0	36.6
Misamis Occidental	0.0	0.0	1,557.2	0.0	1,557.2	233.6
Misamis Oriental	0.0	0.0	2,119.5	0.0	2,119.5	317.9
Surigao del Norte	0.0	0.0	783.0	0.0	783.0	117.5
Region XI	0.0	0.0	9,306.1	0.0	9,306.1	1,395.8
Davao del Norte	0.0	0.0	1,746.3	0.0	1,746.3	261.9
Davao del Sur	0.0	0.0	2,564.9	0.0	2,564.9	383.2
Davao Oriental	0.0	0.0	462.8	0.0	462.8	69.4
South Cotabato	0.0	0.0	3,736.2	0.0	3,736.2	560.4
Surigao del Sur	0.0	0.0	804.9	0.0	804.9	120.7
Region XII	0.0	0.0	7,409.0	0.0	7,409.0	1,111.4
Lansao del Norte	0.0	0.0	3,534.0	0.0	3,534.0	530.1
Lansao del Sur	0.0	0.0	1,136.1	0.0	1,136.1	170.3
Maguindanao	0.0	0.0	788.5	0.0	788.5	118.0
North Cotabato	0.0	0.0	899.9	0.0	899.9	135.0
Sultan Kudarat	0.0	0.0	1,063.5	0.0	1,063.5	158.0

APPENDIX 2-2

INDICATORS BY PROVINCE

Various indicators (1)

	Topogra- phical Classi- fication	Arable Area Ratio (%)	Popula- tion Density (/km ²)	Popula- tion / Arable Area (/km ²)	Urban Popu- lation Ratio (%)	Popula- tion Growth Rate (% p.a.)
All Philippines		44.4	182	410	39.9	2.65
NCR	Sea'd-Pl	30.9	10,915	36,347	100.0	3.40
Region I		42.7	181	423	26.3	1.79
Abra	Inl'd-Mt	23.6	44	188	16.8	1.86
Benguet	Inl'd-Mt	18.8	164	917	36.0	3.08
Ilocos Norte	Sea'd-Mt	42.8	125	293	27.9	1.36
Ilocos Sur	Sea'd-Mt	46.7	189	405	18.3	1.52
La Union	Sea'd-Mt	64.0	340	532	18.2	2.06
Mountain Province	Inl'd-Mt	10.0	52	526	4.1	1.58
Pangasinan	Sea'd-Pl	74.8	335	445	30.5	1.62
Region II		28.1	69	246	17.3	2.69
Batanes	Isl'd-Rd	26.7	62	233	27.0	.90
Cagayan	Sea'd-Pl	37.2	88	238	15.6	2.13
Iligao	Inl'd-Mt	10.0	49	488	10.0	1.51
Isabela	Inl'd-Pl	42.7	94	219	18.9	3.18
Kalinga-Apayao	Inl'd-Mt	10.3	30	290	12.5	2.50
Nueva Vizcaya	Inl'd-Mt	23.6	72	305	21.6	2.74
Quirino	Inl'd-Mt	12.4	33	265	21.6	4.32
Region III		56.1	299	533	46.9	2.63
Bataan	Sea'd-Mt	50.5	281	556	46.8	3.89
Bulacan	Sea'd-Pl	64.6	482	746	58.4	3.47
Nueva Ecija	Inl'd-Pl	62.6	226	361	28.2	2.34
Pampanga	Sea'd-Pl	73.5	617	840	62.3	2.59
Tarlac	Inl'd-Pl	59.5	248	417	18.9	1.68
Zambales	Sea'd-Mt	30.1	136	453	63.2	1.99
Region IV		42.0	151	360	39.8	3.12
Aurora	Sea'd-Mt	50.0	40	79	25.3	3.55
Malolos	Sea'd-Pl	66.2	415	626	18.3	2.43
Cavite	Sea'd-Pl	55.9	725	1,297	64.3	4.04
Laguna	Sea'd-Pl	52.0	549	1,048	66.9	3.58
Marinduque	Isl'd-Rd	76.9	200	260	14.6	1.63
Occidental Mindoro	Sea'd-Mt	25.2	43	165	16.8	3.25
Oriental Mindoro	Sea'd-Mt	50.9	119	233	14.3	2.92
Palewan	Isl'd-Nr	23.3	29	126	24.2	3.87
Quezon	Sea'd-Mt	48.2	148	306	29.7	2.29
Rizal	Sea'd-Pl	78.7	514	553	80.2	4.97
Romblon	Isl'd-Rd	73.2	154	210	13.3	1.34
Region V		68.5	222	324	23.8	2.07
Albay	Sea'd-Pl	80.7	355	440	23.3	2.20
Camarines Norte	Sea'd-Mt	62.4	167	267	30.5	2.01
Camarines Sur	Sea'd-Pl	68.6	237	346	25.6	1.99
Catanduanes	Isl'd-Rd	48.4	128	264	25.2	1.10
Masbate	Isl'd-Nr	65.0	152	230	16.8	2.10
Sorsogon	Sea'd-Pl	80.8	255	327	24.0	2.41
Region VI		67.6	252	372	30.0	2.08
Aklan	Sea'd-Mt	51.7	200	387	13.1	2.16
Antique	Sea'd-Mt	57.4	154	258	21.8	2.33
Capiz	Sea'd-Pl	51.9	212	343	14.6	2.29
Iloilo	Sea'd-Pl	71.9	300	417	29.4	1.97
Negros Occidental	Sea'd-Pl	73.5	276	375	38.6	2.05
Region VII		55.6	281	504	34.2	2.15
Bohol	Isl'd-Rd	75.2	212	282	15.9	1.39
Cebu	Isl'd-Nr	49.5	458	923	46.6	2.51
Negros Oriental	Sea'd-Mt	46.9	170	362	21.9	2.17
Siquijor	Isl'd-Rd	47.1	221	469	12.6	.95
Region VIII		44.9	143	319	23.4	1.59
Leyte	Sea'd-Pl	64.0	228	356	26.2	1.73
Southern Leyte	Sea'd-Mt	69.4	193	277	16.7	1.92
Eastern Samar	Sea'd-Mt	31.2	82	264	27.2	2.22
Northern Samar	Sea'd-Mt	33.6	123	365	25.2	1.94
Samar	Sea'd-Mt	33.5	94	279	15.7	.89
Region IX		46.5	153	330	18.4	3.41
Basilan	Inl'd-Rd	57.1	173	303	15.8	3.00
Sulu	Isl'd-Rd	60.6	253	417	18.4	5.37
Tawi-Tawi	Isl'd-Nr	34.7	200	578	11.4	4.27
Zamboanga del Norte	Sea'd-Mt	41.9	109	259	17.5	3.02
Zamboanga del Sur	Sea'd-Mt	46.9	157	335	20.4	3.02
Region X		36.7	112	306	30.5	3.22
Agusan del Norte	Sea'd-Mt	23.9	162	679	37.4	3.40
Agusan del Sur	Inl'd-Pl	24.3	35	142	19.7	3.83
Bukidnon	Inl'd-Mt	38.5	88	227	17.0	3.14
Camiguin	Isl'd-Rd	31.4	265	843	29.5	1.48
Misamis Occidental	Sea'd-Mt	64.0	224	350	17.7	1.99
Misamis Oriental	Sea'd-Mt	52.5	225	431	48.4	3.72
Surigao del Norte	Sea'd-Mt	44.0	154	349	33.7	3.50
Region XI		36.2	121	335	35.5	3.52
Davao del Norte	Sea'd-Pl	32.8	101	307	25.5	3.32
Davao del Sur	Sea'd-Mt	34.8	205	593	47.1	3.46
Davao Oriental	Sea'd-Mt	38.3	75	195	24.5	2.59
South Cotabato	Sea'd-Mt	44.1	118	268	34.8	4.15
Surigao del Sur	Sea'd-Mt	29.0	95	333	30.8	3.72
Region XII		40.5	112	276	21.6	2.30
Lanao del Norte	Sea'd-Mt	49.2	172	349	20.2	3.38
Lanao del Sur	Sea'd-Mt	30.9	115	372	16.7	-1.14
Maguindanao	Sea'd-Pl	30.6	110	359	28.4	2.34
North Cotabato	Inl'd-Pl	42.9	100	233	16.8	3.36
Sultan Kudarat	Sea'd-Mt	51.6	84	163	24.4	4.20

Various Indicators (2)

	Per Capita GNP (p)	GDP/ Area (Tp/kw2)	Per Capita Income (p)	Primary Sector Worker Ratio (%)	Secondary Sector Worker Ratio (%)	Tertiary Sector Worker Ratio (%)
All Philippines	11,169	2,094	5,693	61.4	16.3	32.1
NCR	26,119	274,161	10,797	6.8	29.9	63.8
Region I	8,870	1,261	5,734	67.8	13.4	27.8
Abra	6,407	285	4,198	73.4	6.7	10.1
Benguet	8,719	1,343	9,216	42.8	24.7	32.3
Ilocos Norte	6,666	830	6,440	63.0	8.9	26.4
Ilocos Sur	6,785	1,284	4,175	66.2	11.0	22.6
La Union	6,693	2,278	6,461	66.5	13.0	29.9
Mountain Province	8,359	439	6,019	82.1	4.8	12.5
Pangasinan	6,742	2,242	5,182	64.9	13.8	30.0
Region II	7,066	489	5,030	73.0	6.4	19.2
Bataan	7,628	473	6,091	66.1	1.6	20.8
Cagayan	6,974	616	4,632	70.4	6.7	20.6
Iligan	9,188	448	4,537	86.0	5.2	8.4
Isabela	6,927	649	4,693	71.3	7.2	20.8
Kalinga-Apayao	6,728	201	5,796	83.8	2.6	13.0
Nueva Vizcaya	7,261	520	6,274	68.0	7.6	23.4
Quirino	6,398	210	6,927	79.5	6.3	16.0
Region III	11,089	3,319	6,808	40.1	21.4	36.9
Bataan	12,465	3,497	6,396	34.0	31.6	33.6
Bulacan	13,458	6,488	7,361	29.4	31.6	38.1
Nueva Ecija	8,668	1,969	5,014	62.3	8.0	26.3
Pampanga	11,243	6,941	7,483	30.2	26.8	42.6
Tarlac	10,107	2,607	4,931	52.2	13.0	33.4
Zambales	10,894	1,487	10,982	32.6	16.8	50.4
Region IV	12,846	1,941	5,514	47.4	20.9	30.7
Aurora	9,174	362	3,134	72.0	5.0	22.6
Batangas	14,091	5,841	6,431	44.8	21.7	32.8
Cavite	16,352	11,131	7,167	31.0	29.7	38.5
Laguna	14,908	9,683	7,396	32.7	27.9	38.6
Marinduque	10,630	2,122	3,506	59.0	16.4	23.6
Occidental Mindoro	9,243	402	6,936	73.0	6.0	20.7
Oriental Mindoro	8,629	1,049	4,048	68.2	6.8	21.7
Palawan	9,291	274	3,901	74.8	6.7	17.9
Quezon	10,760	1,590	3,763	64.4	11.4	23.5
Rizal	15,955	8,205	6,974	19.4	40.8	38.3
Romblon	11,620	1,769	3,056	69.8	17.6	22.2
Region V	5,291	1,177	3,447	66.2	9.8	23.0
Albay	5,938	2,108	3,868	65.3	16.8	26.3
Camarines Norte	5,420	993	3,454	60.5	11.8	26.9
Camarines Sur	5,186	1,220	3,604	67.3	8.0	23.8
Catanduanes	6,196	863	3,449	68.7	5.8	24.4
Masbate	4,814	781	3,018	79.7	4.2	16.7
Sorsogon	5,064	1,040	2,918	70.2	7.7	20.9
Region VI	8,968	2,268	4,294	60.5	9.6	28.6
Aklan	9,640	1,907	5,133	60.6	12.2	26.9
Antique	8,406	1,294	3,256	67.7	9.9	21.1
Capiz	8,274	1,766	3,802	67.2	7.9	24.6
Iloilo	8,934	2,077	4,765	58.6	9.2	30.4
Negros Occidental	9,176	2,632	4,122	69.0	9.9	30.1
Region VII	9,243	2,790	3,878	66.9	16.4	27.0
Bohol	8,509	1,892	3,161	65.6	14.8	20.6
Cebu	11,666	6,336	4,126	47.9	19.2	32.6
Negros Oriental	7,173	1,218	3,968	73.6	6.6	18.5
Siquijor	7,339	1,622	3,672	72.9	6.1	21.6
Region VIII	4,428	636	3,281	71.6	6.9	20.6
Leyte	4,667	1,061	3,466	68.0	8.0	22.7
Southern Leyte	4,197	809	3,363	72.7	6.6	20.7
Eastern Samar	4,096	338	3,236	75.1	6.3	19.2
Northern Samar	3,788	465	2,372	76.1	4.6	18.7
Samar	4,706	440	3,532	74.9	7.0	16.9
Region IX	7,400	1,134	4,110	73.1	6.6	20.1
Basjan	6,936	1,202	2,936	75.9	4.7	18.2
Sulu	7,349	1,859	3,836	77.0	7.8	14.6
Tawi-Tawi	6,790	1,161	4,681	82.3	3.6	13.6
Zamboanga del Norte	7,392	894	3,805	77.2	4.1	17.6
Zamboanga del Sur	7,769	1,219	4,547	68.1	6.1	24.3
Region X	9,591	1,076	4,873	66.0	8.6	26.0
Agusan del Norte	11,185	1,813	4,347	62.6	16.6	30.2
Agusan del Sur	7,109	246	4,191	80.8	3.6	14.7
Dukidnon	7,633	668	6,653	80.1	3.8	15.3
Comiguin	10,121	2,681	2,742	67.6	6.3	26.1
Misamis Occidental	10,634	2,367	2,909	62.7	7.8	28.4
Misamis Oriental	11,404	2,679	6,336	61.1	12.4	34.3
Surigao del Norte	8,681	1,333	4,083	70.8	7.7	20.6
Region XI	11,063	1,340	6,190	66.1	8.8	24.4
Davao del Norte	10,223	1,028	4,966	77.3	6.4	16.8
Davao del Sur	12,968	2,674	6,933	63.0	13.1	30.5
Davao Oriental	8,909	667	4,083	76.4	3.8	16.2
South Cotabato	10,340	1,220	6,429	70.2	6.8	22.3
Surigao del Sur	10,258	988	3,882	66.8	10.6	21.3
Region XII	8,968	999	4,089	70.8	8.0	20.4
Ilanon del Norte	10,486	1,802	3,968	67.0	13.1	27.5
Ilanon del Sur	9,487	1,092	5,168	62.1	14.4	22.9
Maguindanao	8,764	966	3,603	74.0	6.4	19.2
North Cotabato	8,226	824	3,603	79.7	3.1	16.7
Sultan Kudarat	7,710	648	4,646	81.6	3.7	14.6

Various Indicators (3)

	Un-employment Ratio (%)	Under-employment Ratio (%)	Un- & Under-employment Ratio (%)	Elementary Classroom /1,000 popul.	Hospital Bed /1,000 popul.	Social Facility Ratio	Incidence of Poverty (%)
All Philippines	6.4	38.9	42.3	4.13	1.06	1.00	69.3
NCR	18.0	22.0	40.6	1.34	4.27	1.46	44.1
Region I	3.9	38.9	42.8	6.23	1.46	1.20	52.3
Abra	1.2	49.4	50.6	5.87	2.58	1.49	60.6
Benguet	8.8	27.6	36.4	5.81	2.89	1.58	36.1
Ilocos Norte	1.8	42.0	43.8	6.11	1.47	1.19	54.6
Ilocos Sur	1.5	43.7	45.2	6.68	1.23	1.18	62.4
La Union	5.3	39.7	45.0	5.71	1.38	1.11	42.8
Mountain Province	8.2	42.9	51.1	9.06	2.60	1.89	57.1
Pangasinan	3.2	37.9	41.1	6.25	1.03	1.07	53.7
Region II	5.3	39.3	44.6	4.74	1.28	.96	54.6
Batanes	.0	42.9	42.9	9.94	7.70	3.64	74.2
Cagayan	4.7	35.4	40.1	4.68	1.33	.97	56.0
Ifugao	5.2	44.8	50.0	3.16	1.68	.89	60.3
Isabela	5.6	39.0	44.6	4.32	.90	.80	51.7
Kalinga-Apayao	8.9	46.4	55.3	6.28	2.21	1.43	60.5
Nueva Vizcaya	4.3	41.0	45.3	6.26	1.15	.99	52.4
Quirino	.0	46.0	46.0	6.13	1.84	1.30	53.7
Region III	5.6	34.6	40.2	4.41	1.11	.87	44.4
Bataan	5.5	35.6	41.1	4.95	1.12	.94	47.2
Bulacan	6.0	32.9	38.9	3.94	1.05	.80	36.5
Nueva Ecija	4.1	34.5	38.6	4.50	.74	.78	56.1
Pampanga	9.0	34.6	43.6	4.42	1.59	1.02	36.6
Tarlac	1.4	36.8	38.2	4.19	.98	.81	56.2
Zambales	6.1	35.6	41.7	4.98	1.00	.91	38.3
Region IV	5.8	28.9	35.7	3.81	1.25	.84	55.9
Aurora	3.4	33.9	37.3	5.88	.52	.87	82.0
Balangas	7.7	30.8	38.5	4.22	1.47	.96	62.4
Cavite	2.8	19.1	21.9	3.98	.87	.75	31.4
Laguna	9.3	20.4	29.7	4.00	1.35	.89	38.8
Marinduque	5.1	34.6	39.7	7.70	.79	1.17	82.5
Occidental Mindoro	.9	33.0	33.9	5.26	1.01	.94	51.6
Oriental Mindoro	9.0	33.7	42.7	4.64	.73	.78	70.6
Palawan	1.1	34.4	35.5	4.39	2.21	1.20	72.0
Quezon	7.9	34.8	42.7	2.51	1.34	.71	72.5
Rizal	9.3	24.4	33.7	.91	1.12	.46	49.7
Romblon	7.0	34.8	41.8	5.76	1.30	1.21	83.0
Region V	3.1	45.1	48.2	5.43	1.27	1.04	73.2
Albay	3.2	41.3	44.5	5.56	1.69	1.19	68.8
Comarines Norte	2.7	44.2	46.9	5.50	1.09	1.00	69.6
Comarines Sur	1.8	44.8	46.6	5.08	1.28	1.00	71.6
Cotandunes	.0	47.8	47.8	6.37	2.31	1.47	72.1
Masbate	3.7	48.1	51.8	5.21	.81	.88	78.9
Surigogon	5.9	47.5	53.4	5.86	.91	.98	79.5
Region VI	4.0	45.3	49.3	4.64	.95	.85	73.1
Aklan	3.8	42.7	46.5	6.01	1.03	1.04	68.2
Antique	.0	44.7	44.7	5.32	.67	.97	80.1
Capiz	1.6	44.0	45.6	3.75	.89	.72	74.0
Iloilo	5.8	42.5	48.3	4.92	1.09	.93	69.4
Negros Occidental	3.9	48.9	52.8	4.14	.91	.78	75.1
Region VII	2.1	31.0	33.1	3.69	1.45	.89	58.8
Bohol	1.3	43.3	44.6	5.73	1.36	1.11	74.8
Cebu	2.6	20.8	23.4	3.49	1.67	.93	66.2
Negros Oriental	1.6	44.9	46.5	1.80	.97	.51	68.5
Siquijor	.0	41.7	41.7	9.04	1.52	1.56	85.9
Region VIII	5.6	42.8	48.4	4.50	.96	.84	70.4
Leyte	2.9	41.0	43.9	4.36	1.04	.84	68.0
Southern Leyte	7.6	43.6	51.1	3.63	1.11	.78	69.9
Eastern Samar	11.2	47.9	59.1	5.17	1.12	.97	76.6
Northern Samar	2.0	44.1	46.1	4.49	.90	.82	74.9
Samar	10.2	42.5	52.7	5.02	.60	.79	69.6
Region IX	2.9	33.6	36.7	4.08	1.09	.82	65.3
Basilan	.0	38.7	38.7	4.81	1.02	.89	78.4
Sulu	12.1	33.3	45.4	3.19	1.19	.75	63.0
Tawi-Tawi	1.0	38.1	39.1	4.02	.54	.65	66.0
Zamboanga del Norte	.9	38.5	39.4	6.00	.97	.90	70.6
Zamboanga del Sur	2.3	30.4	32.7	3.78	1.22	.83	60.9
Region X	6.2	39.5	45.7	4.86	1.60	1.07	66.2
Agusan del Norte	9.1	36.4	45.5	4.90	2.09	1.23	64.1
Agusan del Sur	.8	35.2	36.0	4.92	1.03	.91	66.7
Bukidnon	7.7	40.0	47.7	3.63	1.10	.77	51.6
Camariguin	3.8	42.3	46.1	7.62	2.40	1.65	88.3
Misamis Occidental	2.5	40.1	42.6	6.60	2.69	1.62	78.4
Misamis Oriental	8.0	42.0	50.0	4.92	1.41	1.03	68.3
Surigao del Norte	4.4	38.3	42.7	4.64	1.51	1.01	71.6
Region XI	6.1	42.4	48.5	4.22	1.62	1.00	61.7
Davao del Norte	1.4	44.9	46.3	4.00	2.19	1.15	69.9
Davao del Sur	11.2	35.4	46.6	4.05	1.88	1.06	62.6
Davao Oriental	4.7	49.1	53.8	4.45	.92	.82	66.8
South Cotabato	5.4	46.0	50.4	4.24	1.08	.84	57.1
Surigao del Sur	3.0	46.5	49.5	4.86	1.47	1.04	67.7
Region XII	2.6	40.3	42.9	4.44	1.25	.92	65.2
Lanao del Norte	5.4	40.7	46.1	5.58	1.46	1.11	65.3
Lanao del Sur	1.5	40.7	42.2	5.28	.77	.87	56.0
Maguindano	2.4	36.3	37.7	3.23	.20	.45	68.4
North Cotabato	2.6	42.6	45.1	3.31	1.79	.95	71.3
Sultan Kudarat	.0	44.2	44.2	5.84	2.34	1.42	64.8

Various Indicators (4)

	Major Crop	Palay Yield (t/ha)	Corn Yield (t/ha)	Sugar Yield (kg/ha)	Cane Yield (nut/tree)	Coconut Yield (nut/tree)	Unutilized Agric. Area (Hectares) (%)	Accessibility to NN/Cebu/Davao	Agric. Productivity (1) (%)	Agric. Productivity (2) (%)
All Philippines	Palay	2.16	1.16	48.0	32.3	39.1	.50	67.1	43.3	
NCL	Palay	2.66	1.96	48.7	33.6	.0	.92	78.6	76.6	
Region I	Palay	2.00	1.09	26.9	17.1	60.6	.47	68.8	34.2	
Abra	Palay	1.61	1.65	1.4	10.9	75.1	.42	52.9	23.3	
Benguet	Palay	1.64	1.00	-	122.1	7.0	.59	49.4	47.6	
Ilocos Norte	Palay	2.88	1.05	19.0	15.5	71.7	.38	81.8	40.9	
Ilocos Sur	Palay	1.95	.72	2.7	13.1	64.9	.46	55.4	29.9	
La Union	Palay	2.60	.89	4.2	18.9	58.1	.51	73.3	43.0	
Mountain Province	Palay	2.02	1.21	4.0	12.0	10.7	.46	58.7	65.6	
Pangasinan	Palay	1.80	1.07	40.1	17.2	60.4	.60	53.4	27.9	
Region II	Palay	2.18	1.08	14.3	23.3	71.9	.41	60.8	29.6	
Batanes	Coconut	2.00	1.92	8.8	9.1	59.1	.24	47.7	35.3	
Cagayan	Palay	1.89	1.08	16.2	23.4	77.7	.39	54.0	23.0	
Ifugao	Palay	1.55	1.18	2.0	27.9	32.7	.49	48.3	39.0	
Isabela	Palay	2.35	.99	12.5	32.6	75.3	.45	63.2	26.3	
Kalinga-Apayao	Palay	2.27	1.69	5.5	18.8	48.3	.41	68.5	51.2	
Nueva Vizcaya	Palay	2.55	1.15	.9	14.8	68.6	.55	72.8	33.2	
Quirino	Palay	1.85	1.26	21.9	14.8	66.5	.55	55.2	25.5	
Region III	Palay	2.60	1.46	8.6	17.2	56.9	.75	75.7	38.0	
Bataan	Palay	2.55	1.29	4.7	10.4	71.9	.80	77.8	25.5	
Bulacan	Palay	2.38	1.45	29.5	39.1	63.0	.86	71.9	29.3	
Nueva Ecija	Palay	2.87	1.18	11.8	24.9	47.8	.59	86.4	53.1	
Pampanga	Palay	2.69	2.43	7.6	15.9	57.9	.80	69.9	33.3	
Tarlac	Palay	2.22	1.38	10.0	35.5	49.7	.69	62.6	37.3	
Zambales	Palay	1.91	.86	7.9	12.8	75.9	.67	57.0	18.3	
Region IV	Coconut	1.94	1.01	24.1	24.5	43.7	.63	46.5	32.9	
Aurora	Palay	1.79	.73	.7	19.3	83.2	.60	47.5	12.0	
Batangas	Palay	1.42	.84	19.4	33.2	40.2	.77	39.7	25.1	
Cavite	Palay	2.82	1.90	58.6	36.2	34.6	.89	79.8	54.3	
Laguna	Coconut	3.12	1.51	35.3	32.1	39.1	.80	67.9	44.8	
Marinduque	Coconut	1.08	.62	.0	24.4	54.8	.48	37.7	22.6	
Occidental Mindoro	Palay	2.41	.98	5.5	15.5	39.9	.45	67.6	52.0	
Oriental Mindoro	Palay	1.87	.99	.2	31.4	43.0	.45	53.5	39.8	
Palawan	Palay	1.52	1.05	4.4	36.5	42.2	.26	48.0	40.3	
Quezon	Coconut	1.61	1.03	1.5	21.5	24.9	.65	35.9	30.3	
Rizal	Palay	2.04	1.44	18.5	10.6	73.2	.69	60.2	17.5	
Romblon	Coconut	1.49	.59	6.0	17.1	51.8	.40	31.9	72.3	
Region V	Coconut	1.95	.74	47.0	28.7	3.9	.41	47.9	47.1	
Albay	Coconut	2.01	.89	44.8	37.4	3.7	.43	56.5	55.5	
Camarines Norte	Coconut	2.55	.83	28.1	19.1	1.7	.55	38.7	38.4	
Camarines Sur	Palay	2.13	.94	43.2	25.5	3.5	.47	52.8	51.8	
Calanduanes	Palay	1.43	.89	15.4	18.4	14.5	.34	38.3	36.1	
Maabete	Coconut	.84	.63	2.1	31.8	3.3	.33	36.1	35.7	
Sorsogon	Coconut	2.25	.95	24.7	32.9	3.3	.39	55.7	55.0	
Region VI	Palay	2.07	.68	55.3	25.0	30.4	.47	62.2	51.6	
Aklan	Palay	1.88	.81	.2	32.5	39.6	.43	53.7	41.9	
Antique	Palay	1.72	.31	26.5	22.5	40.0	.44	46.2	35.7	
Capiz	Palay	2.63	.85	54.8	30.4	32.1	.47	72.2	59.0	
Iloilo	Palay	1.98	.53	29.8	13.3	18.0	.49	53.4	48.2	
Negros Occidental	Sugar	2.15	.79	73.7	23.7	34.3	.55	73.1	56.9	
Region VII	Corn	1.52	.90	30.2	25.2	27.5	.60	40.8	33.2	
Davao	Palay	1.35	.71	9.0	29.1	49.1	.60	40.0	25.3	
Cebu	Corn	1.40	.92	47.5	22.4	26.3	.89	39.5	30.0	
Negros Oriental	Corn	2.21	.92	27.7	31.1	.9	.52	43.4	43.2	
Siquijor	Corn	.74	.61	-	15.1	45.5	.51	25.5	17.7	
Region VIII	Coconut	1.80	.99	54.1	30.5	29.9	.45	49.7	41.7	
Leyte	Palay	1.83	.85	54.5	25.9	21.1	.52	47.8	42.0	
Southern Leyte	Coconut	3.00	1.38	.7	39.8	41.6	.51	58.8	50.4	
Eastern Samar	Coconut	1.45	.57	4.3	38.6	41.0	.49	54.7	42.2	
Northern Samar	Coconut	1.40	1.43	18.1	27.5	16.5	.41	42.5	39.3	
Samar	Coconut	1.67	1.39	.8	30.9	43.4	.44	50.4	37.8	
Region IX	Coconut	1.91	.85	2.0	38.5	25.0	.33	50.1	44.9	
Basilan	Coconut	1.75	1.55	5.0	46.9	27.0	.33	70.5	63.1	
Sulu	Coconut	.72	.52	4.7	32.8	15.0	.29	43.4	41.3	
Tawi-Tawi	Coconut	1.73	2.55	2.5	45.5	14.8	.24	70.2	67.3	
Zamboanga del Norte	Coconut	1.47	.91	1.0	44.0	25.0	.42	51.4	44.8	
Zamboanga del Sur	Corn	2.20	.82	.3	32.5	29.5	.45	47.5	39.9	
Region X	Corn	1.82	1.13	59.5	38.5	31.2	.53	53.1	42.8	
Agusan del Norte	Coconut	1.88	.87	.9	35.2	30.4	.53	49.4	40.1	
Agusan del Sur	Corn	1.55	1.17	2.2	24.8	45.8	.63	48.8	31.8	
Bukidnon	Corn	1.84	1.28	60.7	21.5	15.8	.67	55.3	50.1	
Comizuin	Coconut	1.93	.95	-	26.4	37.1	.48	42.8	33.3	
Misamis Occidental	Coconut	2.72	.77	11.1	30.1	43.2	.49	49.5	35.1	
Misamis Oriental	Coconut	1.45	.73	21.2	45.8	31.6	.56	45.7	37.1	
Surigao del Norte	Coconut	1.83	1.25	.5	45.5	30.0	.44	55.0	52.0	
Region XI	Coconut	3.00	1.35	47.8	42.9	14.0	.69	67.7	60.9	
Davao del Norte	Corn	2.82	1.21	17.4	53.7	7.3	.75	69.5	55.5	
Davao del Sur	Coconut	3.75	1.47	48.5	37.5	10.0	.86	67.9	52.0	
Davao Oriental	Coconut	2.33	.93	1.4	44.3	21.5	.69	57.9	48.7	
South Cotabato	Corn	3.30	1.45	35.8	55.3	22.9	.69	75.1	62.4	
Surigao del Sur	Coconut	1.82	1.03	.4	27.0	5.5	.53	47.2	45.7	
Region XII	Corn	2.24	1.02	37.8	44.0	41.1	.65	65.9	47.4	
Lanao del Norte	Coconut	1.75	1.21	1.7	45.4	37.8	.65	58.3	43.5	
Lanao del Sur	Palay	1.98	1.55	.4	49.0	15.7	.62	65.1	57.9	
Maguindanao	Corn	2.07	2.20	59.7	55.8	31.5	.63	83.9	54.9	
North Cotabato	Palay	2.27	1.24	37.9	33.5	40.7	.80	51.0	39.4	
Sultan Kudarat	Palay	2.75	1.79	37.1	20.4	54.4	.65	75.9	35.3	

Various Indicators (6)

	Road Density L./P.K. (Nat'l)	Road Density L./P.K. (Prov'l)	Road Density L./P.K. (City)	Road Density L./P.K. (Hun'l)	Road Density L./P.K. (Hun'l)	Road Density L./P.K. (Nat'l, Prov, City)	Road Density L./P.K. (Hun'l, Prov, City)	Road Density L./P.K. (All Roads)	L./L. Ratio (Nat'l, Prov, City)	L./L. Ratio (Hun'l, Prov, City)	L./L. Ratio (All Roads)
All Philippines	.187	.063	.017	.036	.106	.187	.141	.328	.41	.18	.28
NCR	.332	.000	.395	.218	.017	.727	.234	.961	.71	.62	.69
Region I	.140	.092	.017	.045	.189	.249	.225	.474	.41	.17	.24
Abra	.099	.114	.000	.049	.345	.214	.394	.607	.27	.16	.18
Benguet	.208	.069	.082	.002	.125	.359	.130	.189	.40	.16	.27
Ilocos Norte	.209	.083	.041	.081	.253	.334	.333	.668	.44	.17	.25
Ilocos Sur	.150	.060	.000	.064	.266	.210	.330	.540	.37	.17	.21
La Union	.162	.124	.000	.041	.124	.246	.165	.452	.53	.17	.30
Mountain Province	.216	.126	.000	.007	.063	.311	.069	.411	.28	.14	.24
Pangasinan	.104	.110	.006	.052	.168	.219	.210	.429	.40	.18	.20
Region II	.118	.056	.000	.032	.121	.173	.153	.326	.39	.10	.24
Batanea	.513	.146	.000	.008	.336	.658	.641	1.300	.26	.23	.24
Cagayan	.124	.069	.000	.023	.127	.194	.150	.343	.47	.16	.20
Ifugao	.208	.016	.000	.007	.182	.223	.152	.383	.30	.15	.22
Isabela	.086	.057	.000	.039	.106	.143	.145	.288	.46	.17	.25
Kalinga-Apayao	.100	.028	.000	.008	.079	.128	.086	.211	.27	.16	.20
Nueva Vizcaya	.159	.074	.000	.068	.232	.230	.289	.622	.36	.16	.21
Quirino	.168	.053	.000	.046	.066	.211	.112	.323	.32	.19	.26
Region III	.123	.098	.014	.047	.119	.236	.167	.402	.54	.19	.30
Batanea	.310	.126	.000	.011	.103	.436	.144	.580	.61	.19	.39
Bulacan	.108	.128	.000	.093	.093	.237	.239	.475	.70	.22	.33
Nueva Ecija	.125	.093	.008	.043	.105	.226	.149	.378	.49	.18	.29
Pampanga	.113	.086	.041	.032	.136	.239	.168	.407	.56	.17	.29
Tarlac	.102	.126	.000	.037	.172	.227	.209	.437	.45	.17	.25
Zambales	.102	.060	.035	.037	.066	.197	.104	.301	.81	.18	.32
Region IV	.106	.069	.008	.036	.076	.183	.112	.295	.40	.19	.28
Aurora	.112	.056	.000	.021	.056	.168	.077	.246	.32	.17	.25
Bataan	.142	.130	.031	.051	.163	.283	.214	.497	.48	.18	.28
Cavite	.171	.147	.043	.046	.102	.361	.148	.509	.48	.20	.34
Laguna	.165	.096	.030	.076	.058	.292	.141	.436	.61	.26	.42
Marinduque	.197	.131	.000	.086	.049	.327	.135	.462	.36	.21	.30
Occidental Mindoro	.093	.070	.000	.032	.087	.153	.129	.291	.29	.17	.22
Oriental Mindoro	.083	.155	.000	.045	.024	.238	.040	.277	.34	.19	.31
Palawan	.068	.041	.008	.018	.105	.117	.116	.232	.28	.15	.19
Quezon	.115	.029	.003	.033	.036	.147	.069	.217	.44	.23	.34
Rizal	.101	.022	.000	.107	.123	.213	.230	.441	.64	.24	.34
Romblon	.169	.115	.009	.081	.229	.284	.310	.584	.27	.19	.22
Region V	.139	.066	.013	.010	.072	.218	.112	.330	.44	.19	.31
Albay	.124	.082	.009	.047	.072	.265	.120	.381	.51	.20	.35
Camarines Norte	.167	.070	.000	.051	.056	.237	.107	.344	.33	.23	.41
Camarines Sur	.110	.090	.036	.039	.106	.236	.145	.381	.43	.18	.28
Catanduanes	.190	.092	.000	.049	.072	.283	.121	.401	.30	.20	.26
Masbate	.081	.016	.000	.020	.046	.097	.067	.163	.34	.18	.26
Sorsogon	.207	.057	.000	.051	.052	.264	.103	.367	.49	.22	.37
Region VI	.114	.070	.019	.035	.111	.203	.146	.349	.40	.18	.27
Aklan	.082	.114	.000	.051	.132	.196	.183	.379	.37	.19	.26
Antique	.106	.031	.000	.054	.119	.166	.173	.339	.36	.19	.25
Capiz	.113	.074	.015	.042	.120	.202	.152	.354	.36	.18	.25
Iloilo	.114	.066	.010	.045	.124	.220	.169	.389	.41	.19	.27
Negros Occidental	.097	.073	.035	.021	.094	.205	.116	.320	.43	.17	.28
Region VII	.102	.087	.023	.040	.113	.212	.150	.362	.39	.18	.26
Buhai	.132	.131	.021	.045	.214	.284	.259	.543	.34	.19	.23
Cebu	.095	.085	.039	.046	.084	.213	.130	.343	.42	.16	.26
Negros Oriental	.089	.010	.013	.027	.077	.142	.101	.246	.42	.17	.23
Siquijor	.184	.361	.000	.050	.084	.545	.134	.678	.34	.19	.29
Region VIII	.120	.053	.006	.043	.095	.188	.138	.325	.44	.19	.28
Leyte	.172	.064	.033	.053	.134	.248	.182	.435	.47	.19	.26
Southern Leyte	.168	.130	.000	.067	.130	.298	.187	.485	.37	.19	.27
Eastern Samar	.063	.050	.000	.063	.117	.113	.180	.293	.28	.20	.23
Northern Samar	.066	.029	.000	.030	.051	.091	.081	.172	.35	.20	.26
Samar	.144	.027	.005	.019	.035	.176	.054	.230	.66	.20	.43
Region IX	.061	.079	.009	.024	.107	.150	.131	.280	.34	.16	.22
Basilan	.068	.068	.000	.027	.092	.127	.118	.245	.24	.17	.20
Sulu	.074	.101	.000	.002	.078	.174	.081	.255	.39	.15	.26
Tawi-Tawi	.078	.009	.000	.001	.057	.087	.058	.145	.34	.13	.21
Zamboanga del Norte	.059	.124	.012	.046	.123	.186	.159	.340	.39	.16	.22
Zamboanga del Sur	.064	.062	.012	.025	.115	.178	.140	.278	.36	.16	.22
Region X	.127	.067	.011	.027	.153	.206	.180	.386	.38	.16	.23
Agusan del Norte	.149	.067	.032	.033	.093	.248	.126	.374	.50	.18	.31
Agusan del Sur	.120	.032	.000	.017	.093	.160	.109	.270	.47	.18	.26
Bukidnon	.093	.090	.000	.017	.201	.184	.218	.402	.31	.14	.19
Compostela	.261	.180	.000	.106	.309	.441	.316	.857	.33	.18	.24
Misamis Occidental	.109	.097	.032	.038	.256	.237	.293	.533	.31	.16	.20
Misamis Oriental	.182	.061	.020	.031	.187	.264	.218	.482	.45	.16	.25
Surigao del Norte	.152	.075	.011	.053	.109	.298	.162	.400	.36	.18	.26
Region XI	.082	.056	.016	.026	.127	.153	.153	.306	.32	.16	.21
Davao del Norte	.090	.063	.000	.030	.102	.153	.131	.284	.43	.17	.25
Davao del Sur	.077	.039	.035	.022	.132	.151	.155	.306	.37	.16	.22
Davao Oriental	.074	.090	.000	.016	.049	.164	.065	.229	.27	.17	.23
South Cotabato	.090	.049	.025	.031	.218	.164	.249	.414	.25	.15	.18
Surigao del Sur	.091	.063	.000	.031	.086	.146	.117	.262	.33	.18	.21
Region XII	.083	.075	.008	.024	.143	.126	.167	.293	.29	.16	.19
Lanao del Norte	.094	.041	.024	.020	.114	.169	.133	.292	.27	.15	.17
Lanao del Sur	.125	.013	.009	.017	.130	.146	.146	.293	.30	.15	.20
Maguindanao	.110	.045	.011	.041	.065	.167	.106	.272	.29	.19	.24
North Cotabato	.048	.030	.000	.028	.066	.078	.093	.170	.42	.17	.23
Sultan Kudarat	.061	.044	.000	.006	.127	.098	.133	.228	.70	.14	.16

APPENDIX 2-3

INDICATOR MAPS

PHILIPPINES

Scale: 1:3,851,400

KILOMETERS
50 0 50 100 150

LEGEND:

Arable Area Ratio (%)

 65 - 100

 50 - 65

 40 - 50

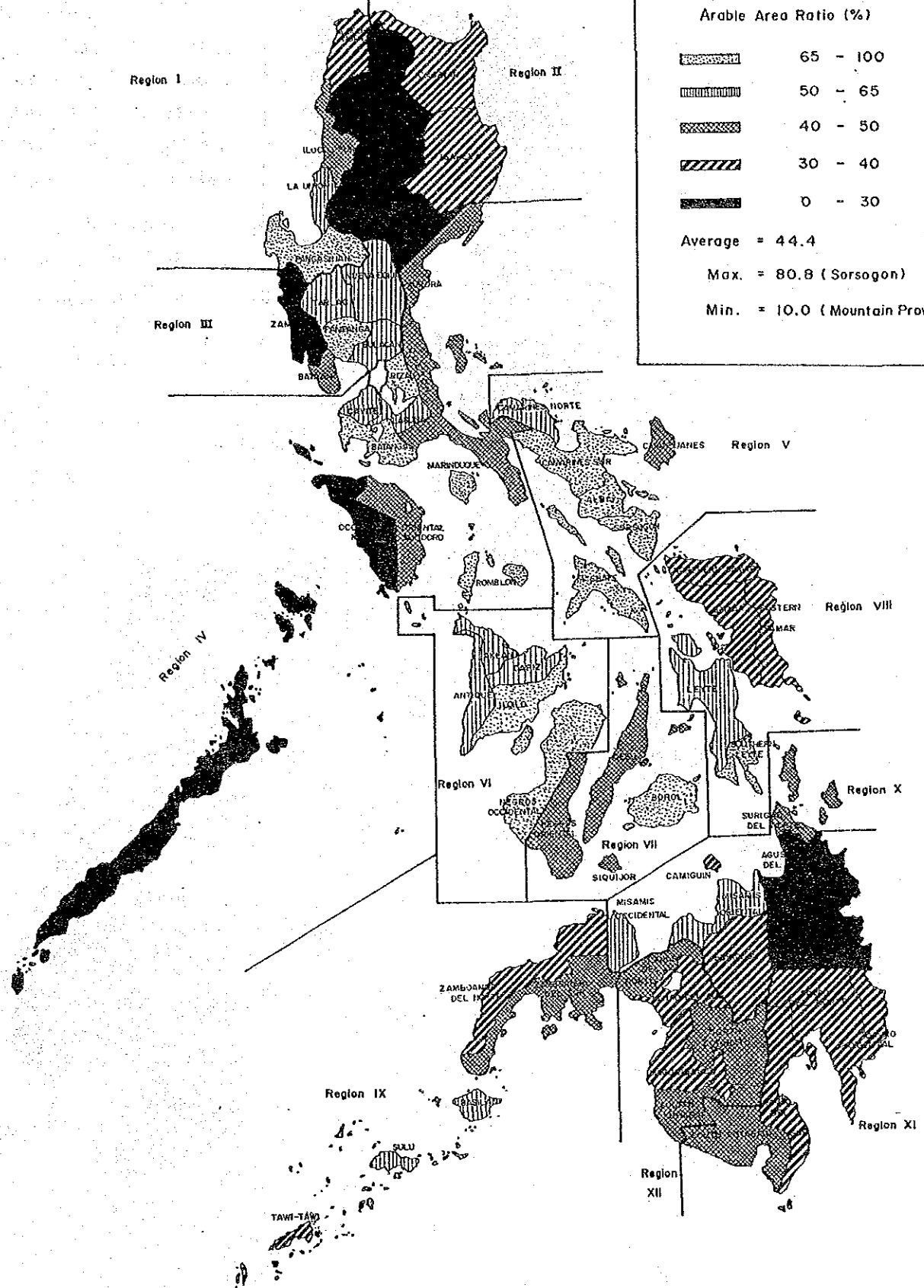
 30 - 40

 0 - 30

Average = 44.4

Max. = 80.8 (Sorsogon)

Min. = 10.0 (Mountain Prov.)



PHILIPPINES

Scale 1:3,581,400
KILOMETERS

0 50 100 150

LEGEND:

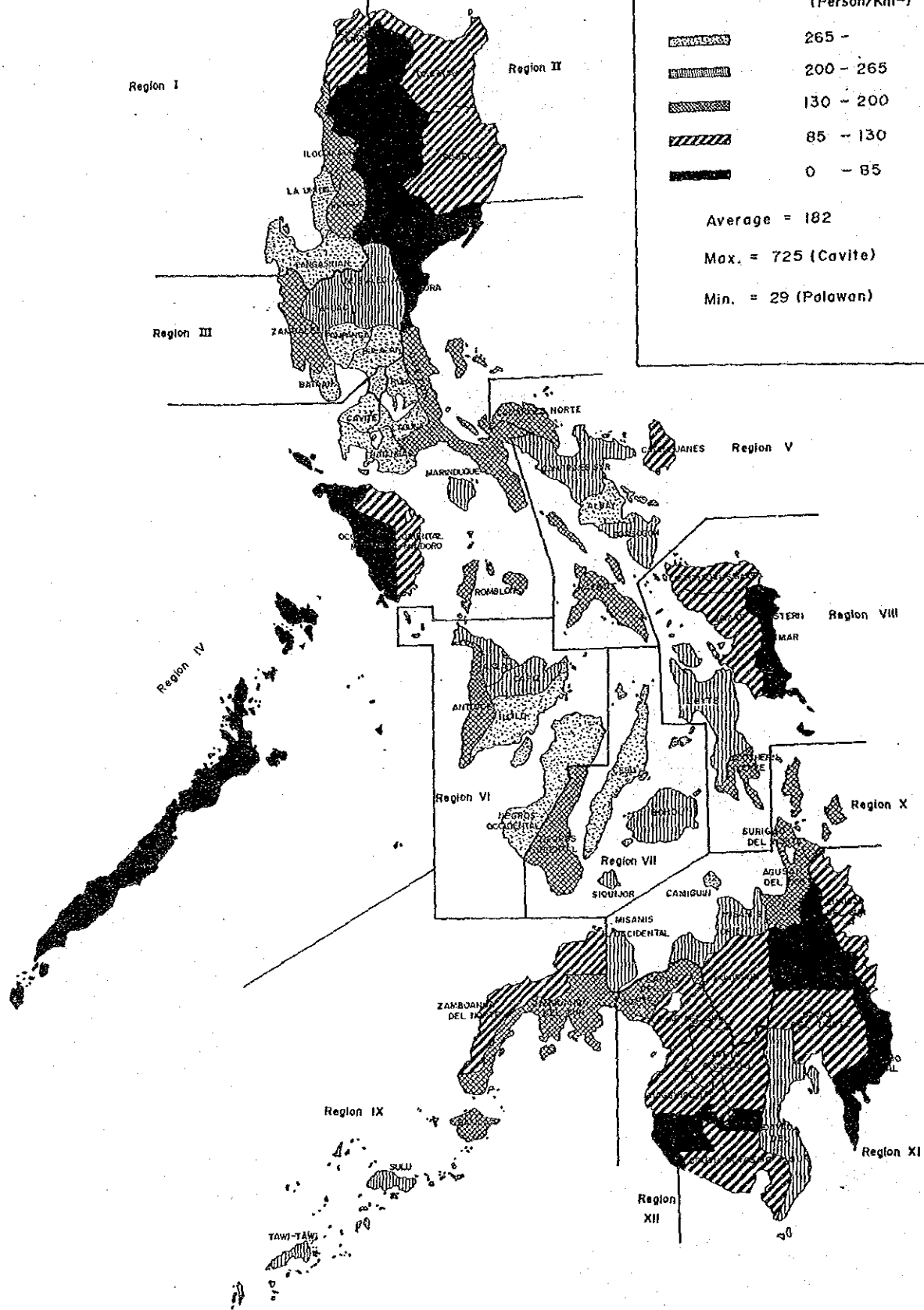
Population Density - Total Area -
(Person/Km²)

	265 -
	200 - 265
	130 - 200
	85 - 130
	0 - 85

Average = 182

Max. = 725 (Cavite)

Min. = 29 (Palawan)



PILOT STUDY
FOR

THE RURAL ROAD NETWORK DEVELOPMENT PROJECT

Figure 2

POPULATION DENSITY - TOTAL AREA - (PERSON / Km²)

2-3(2)

PHILIPPINES

Scale 1:3,651,400
KILOMETERS
0 50 100 150

LEGEND:

Population Density - Arable Area -
(Person/Km²)

A : 530 -

B : 370 - 530

C : 300 - 370

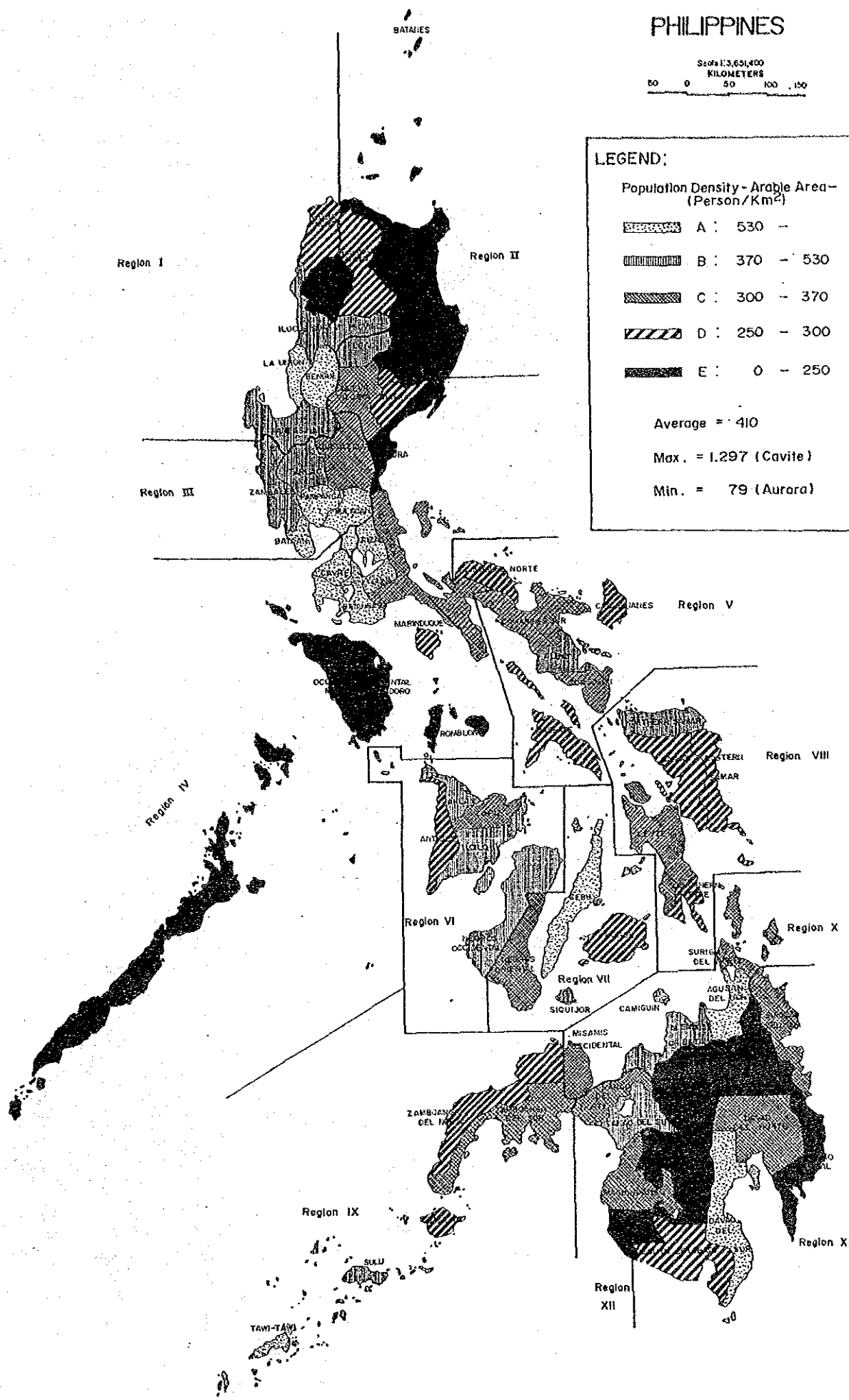
D : 250 - 300

E : 0 - 250

Average = 410

Max. = 1,297 (Cavite)

Min. = 79 (Aurora)



PHILIPPINES

Scale: 1:3,651,400
KILOMETERS
0 50 100 150

LEGEND:

Urban Population Ratio (%)

35.0 - 100.0

25.0 - 35.0

19.0 - 25.0

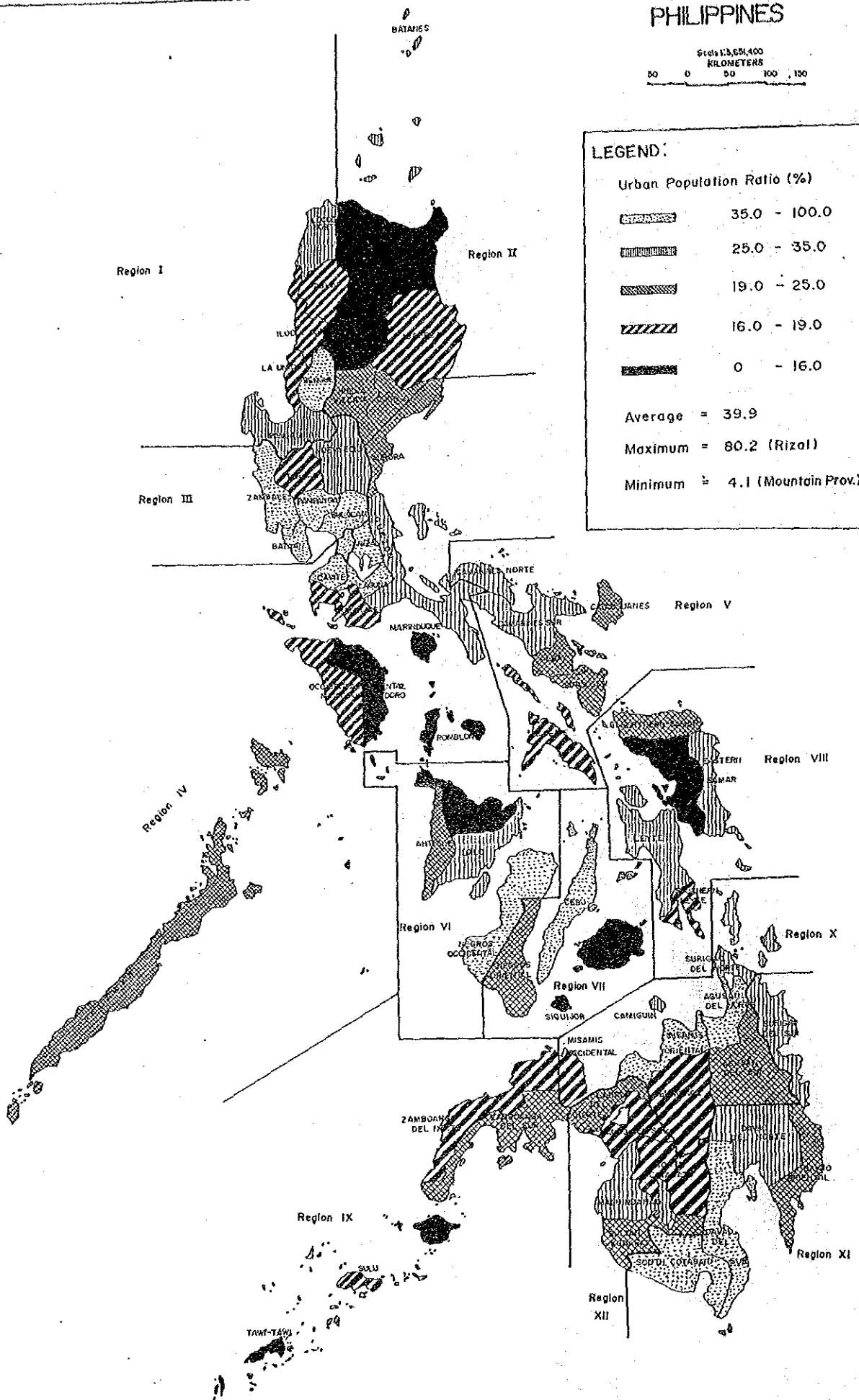
16.0 - 19.0

0 - 16.0

Average = 39.9

Maximum = 80.2 (Rizal)

Minimum = 4.1 (Mountain Prov.)



PILOT STUDY
FOR

THE RURAL ROAD NETWORK DEVELOPMENT PROJECT

Figure 4

URBAN POPULATION RATIO (%)

PHILIPPINES

Scale 1:3,651,400
KILOMETERS
50 0 50 100 150

LEGEND:

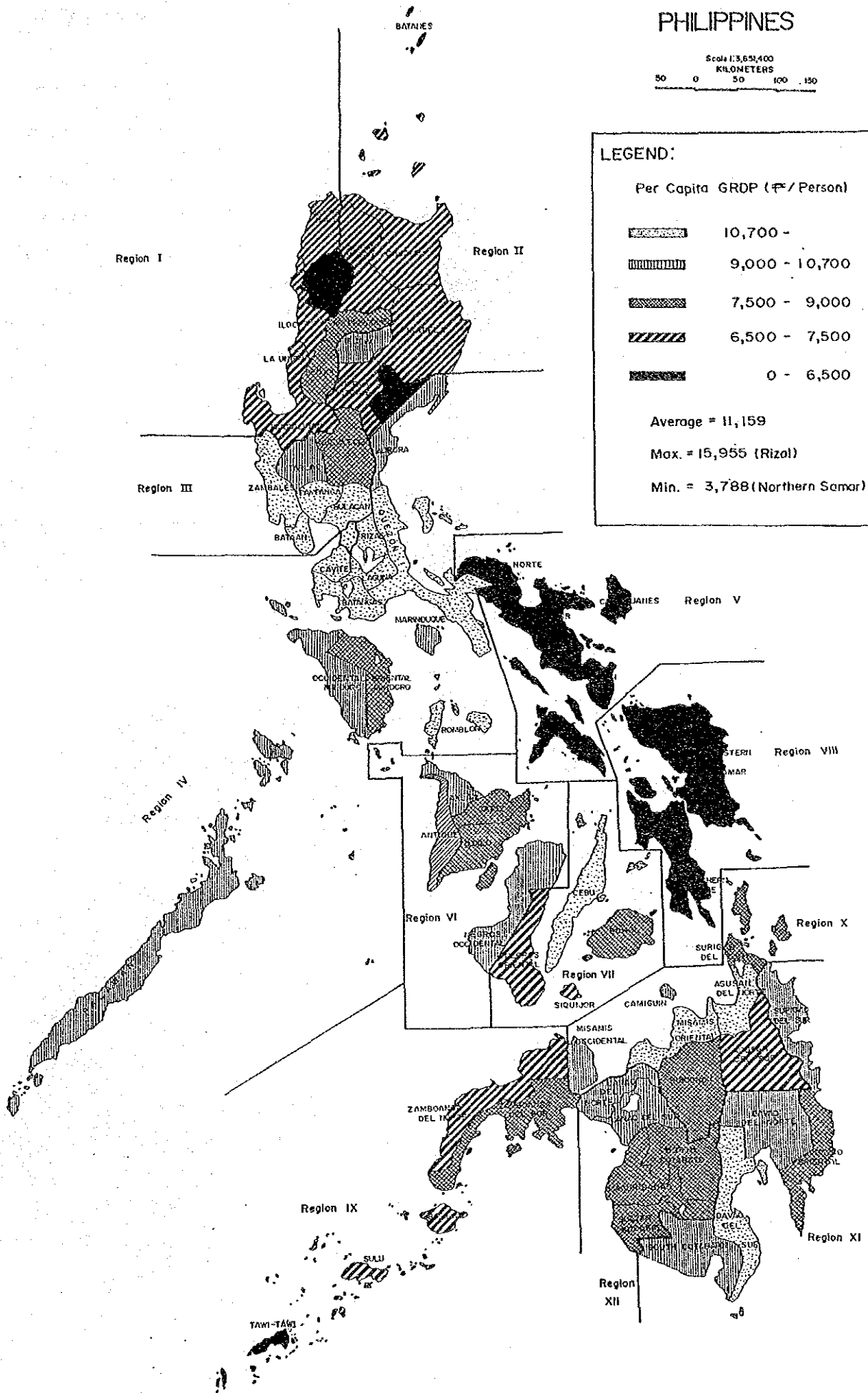
Per Capita GRDP (₱/Person)

	10,700 -
	9,000 - 10,700
	7,500 - 9,000
	6,500 - 7,500
	0 - 6,500

Average = 11,159

Max. = 15,955 (Rizal)

Min. = 3,788 (Northern Samar)



PILOT STUDY
FOR

THE RURAL ROAD NETWORK DEVELOPMENT PROJECT

Figure 5






PER CAPITA GRDP (₱/Person)

PHILIPPINES

Scale 1:3,651,400
KILOMETERS
0 50 100 150

LEGEND:

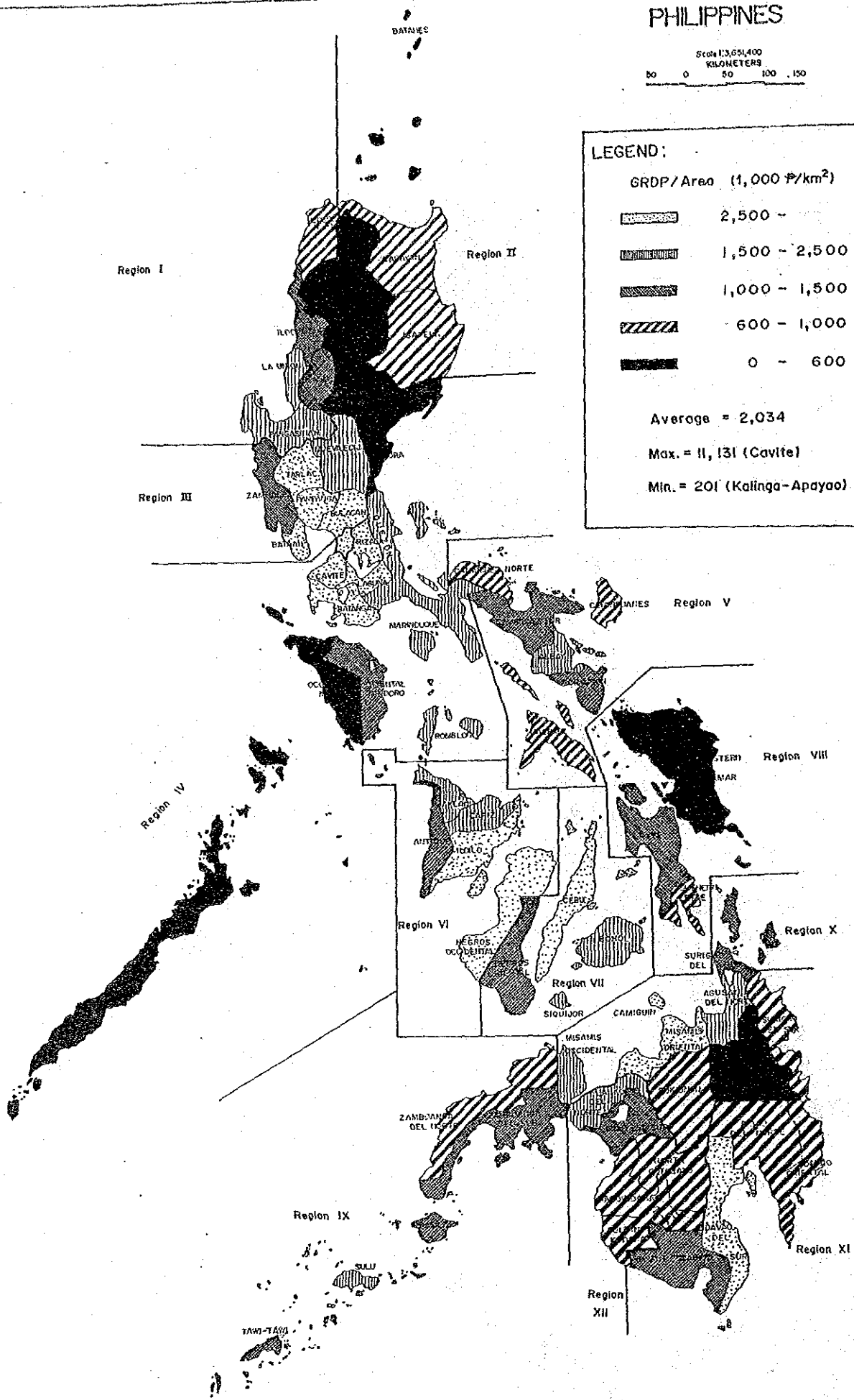
GRDP/Area (1,000 ₱/km²)

-  2,500 -
-  1,500 - 2,500
-  1,000 - 1,500
-  600 - 1,000
-  0 - 600

Average = 2,034

Max. = 11,131 (Cavite)

Min. = 201 (Kalinga-Apayao)



PILOT STUDY
FOR

THE RURAL ROAD NETWORK DEVELOPMENT PROJECT

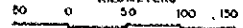
Figure 6

GRDP/AREA (1,000 ₱/km²)

PHILIPPINES

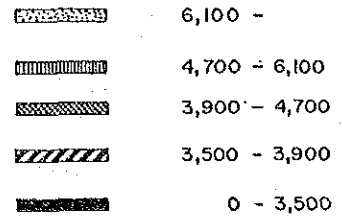
Scale 1:3,691,400

KILOMETERS



LEGEND:

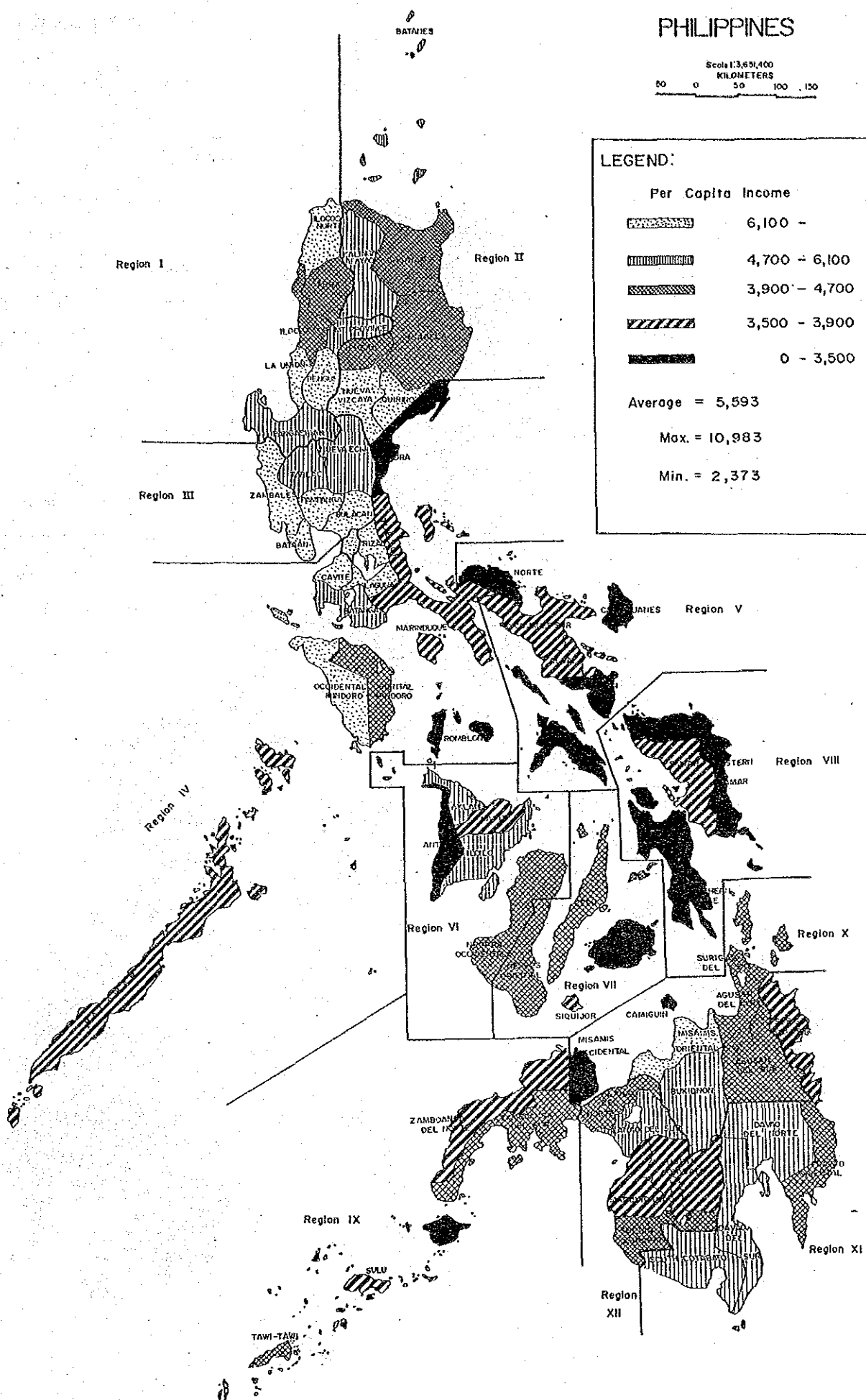
Per Capita Income



Average = 5,593

Max. = 10,983

Min. = 2,373



PHILIPPINES

Scale: 1:3,651,400
KILOMETERS
50 0 50 100 150

LEGEND:

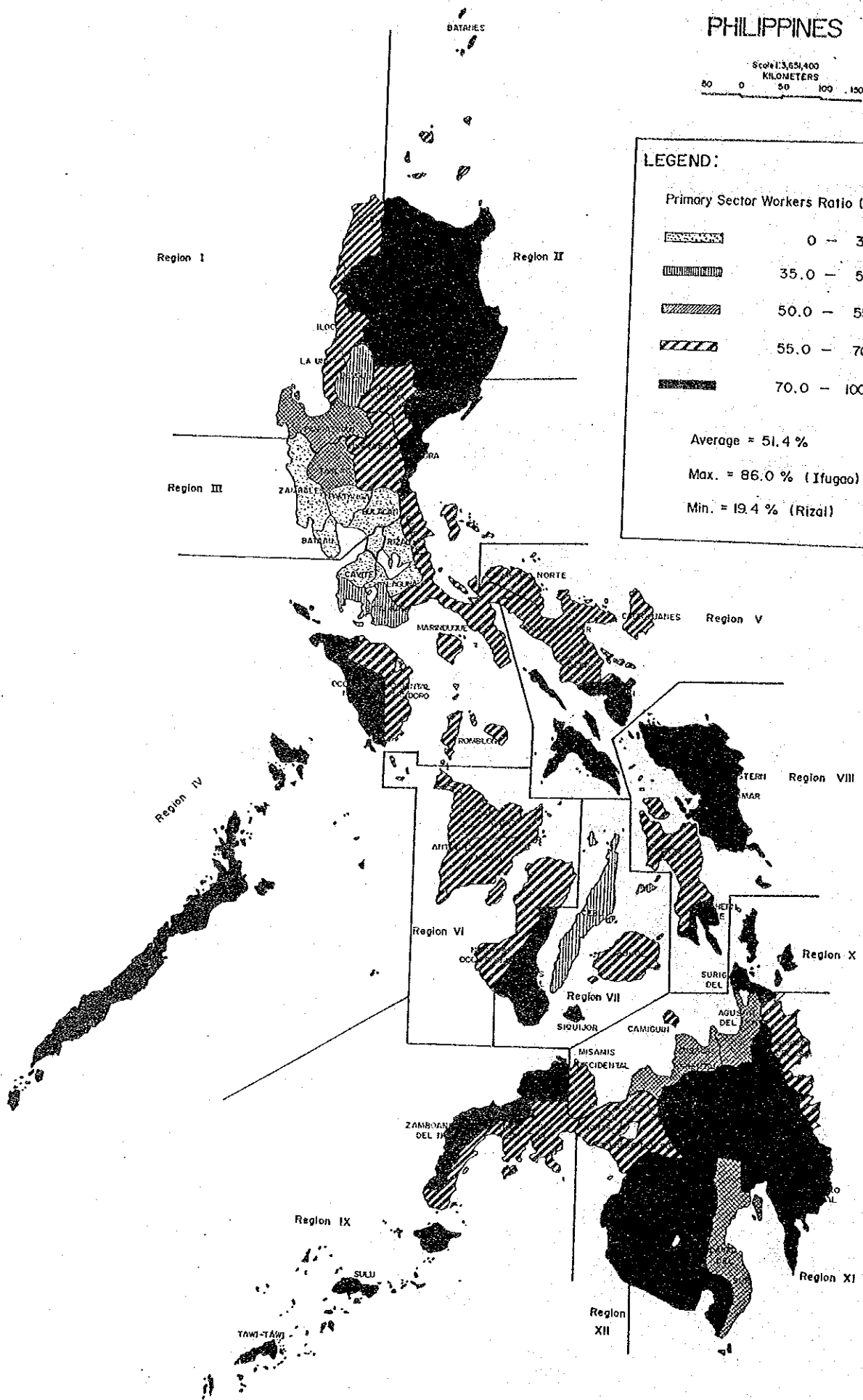
Primary Sector Workers Ratio (%)

	0 - 35.0
	35.0 - 50.0
	50.0 - 55.0
	55.0 - 70.0
	70.0 - 100.0

Average = 51.4 %

Max. = 86.0 % (Ifugao)

Min. = 19.4 % (Rizal)



PILOT STUDY
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Figure 8






Primary Sector Workers Ratio (%)

PHILIPPINES

Scale 1:3,631,400
KILOMETERS
50 0 50 100 150

LEGEND:

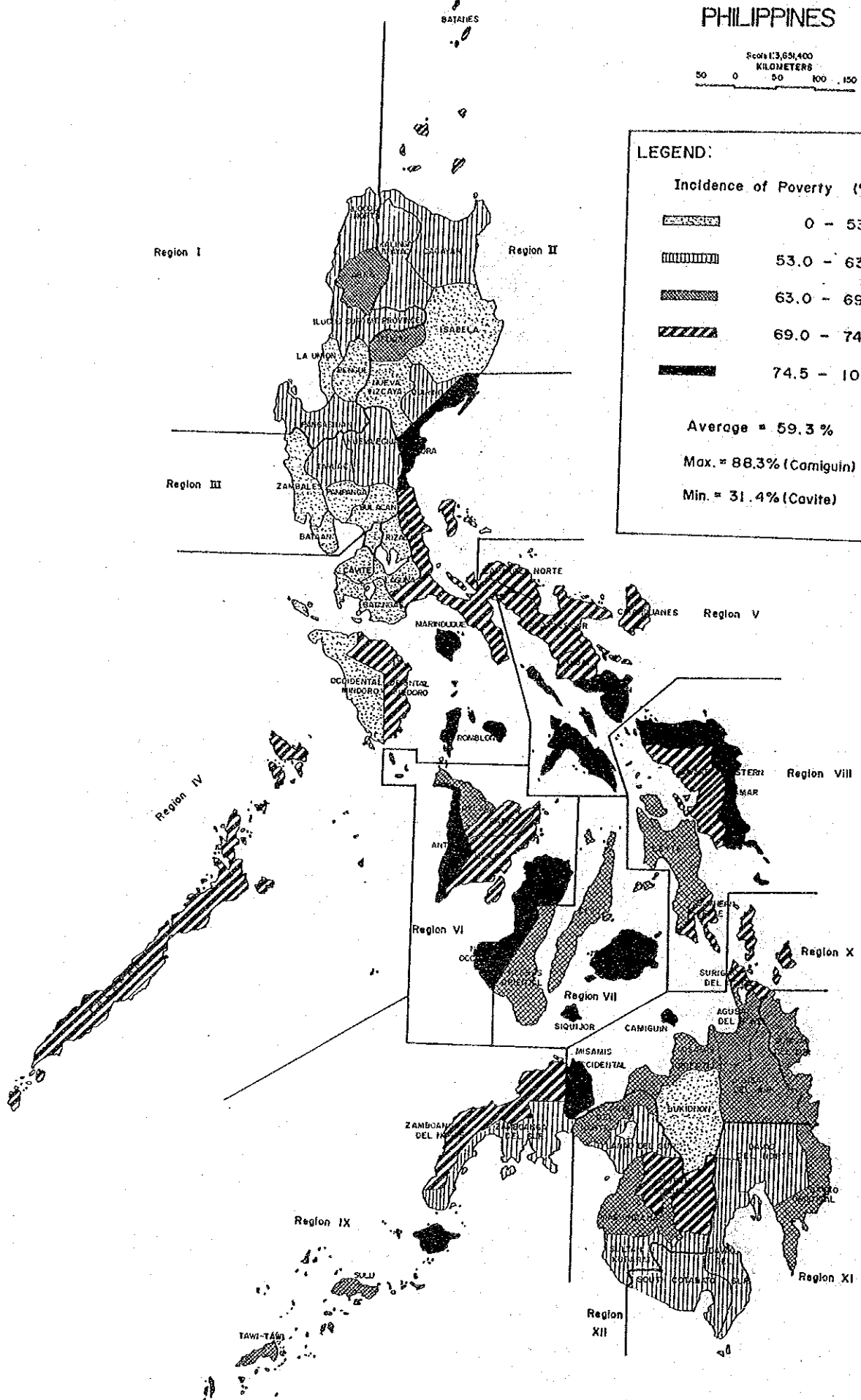
Incidence of Poverty (%)

	0 - 53.0
	53.0 - 63.0
	63.0 - 69.0
	69.0 - 74.5
	74.5 - 100

Average = 59.3%

Max. = 88.3% (Comguin)

Min. = 31.4% (Cavite)



PHILIPPINES

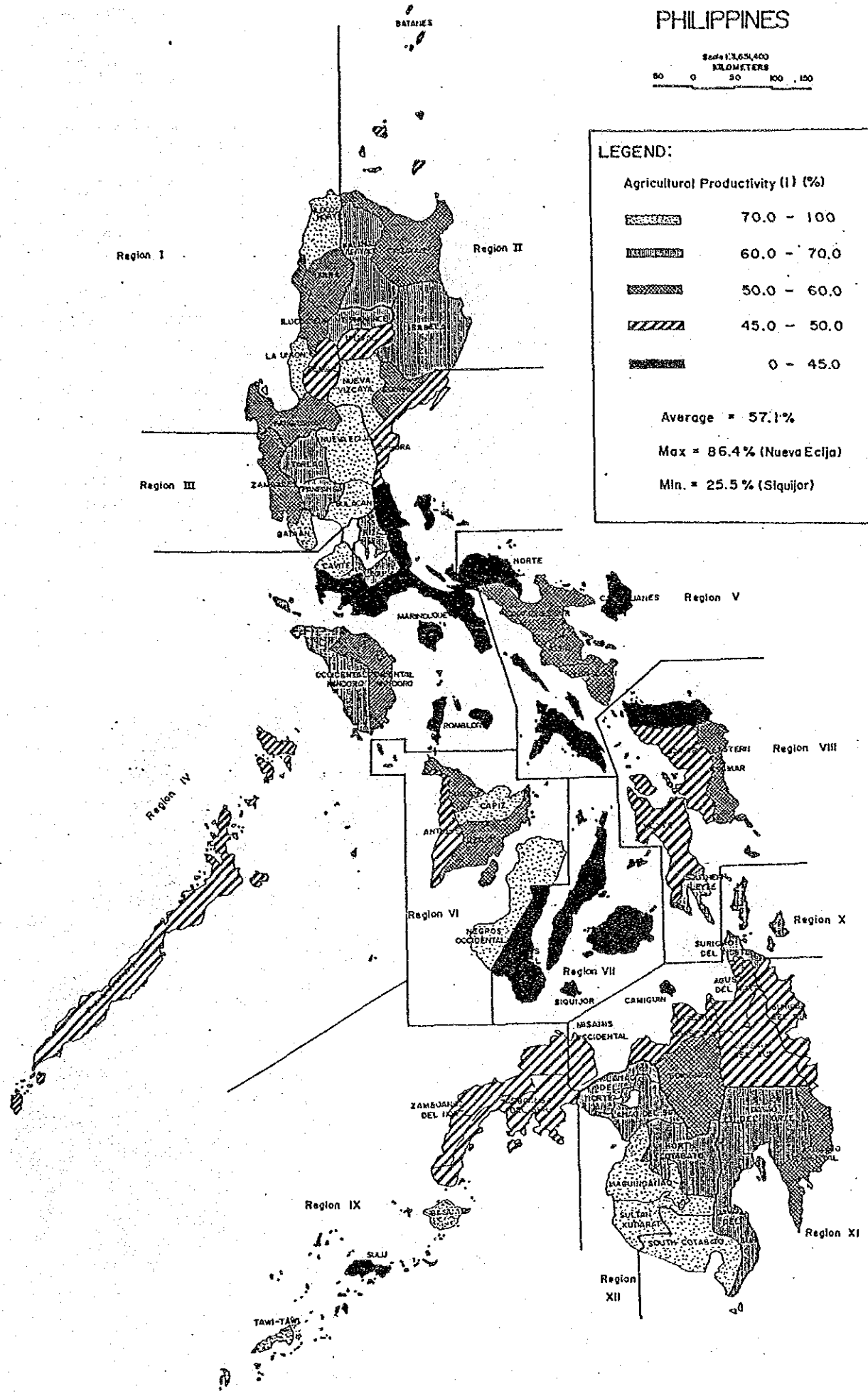
Scale 1:3,651,400
KILOMETERS
0 50 100 150

LEGEND:

Agricultural Productivity (I) (%)

	70.0 - 100
	60.0 - 70.0
	50.0 - 60.0
	45.0 - 50.0
	0 - 45.0

Average = 57.1%
Max = 86.4% (Nueva Ecija)
Min. = 25.5% (Siquijor)



PILOT STUDY
FOR
THE RURAL ROAD NETWORK DEVELOPMENT PROJECT

Figure 11

AGRICULTURAL PRODUCTIVITY (I) (%)

PHILIPPINES

Scale 1:3,851,400
KILOMETERS
0 50 100 150

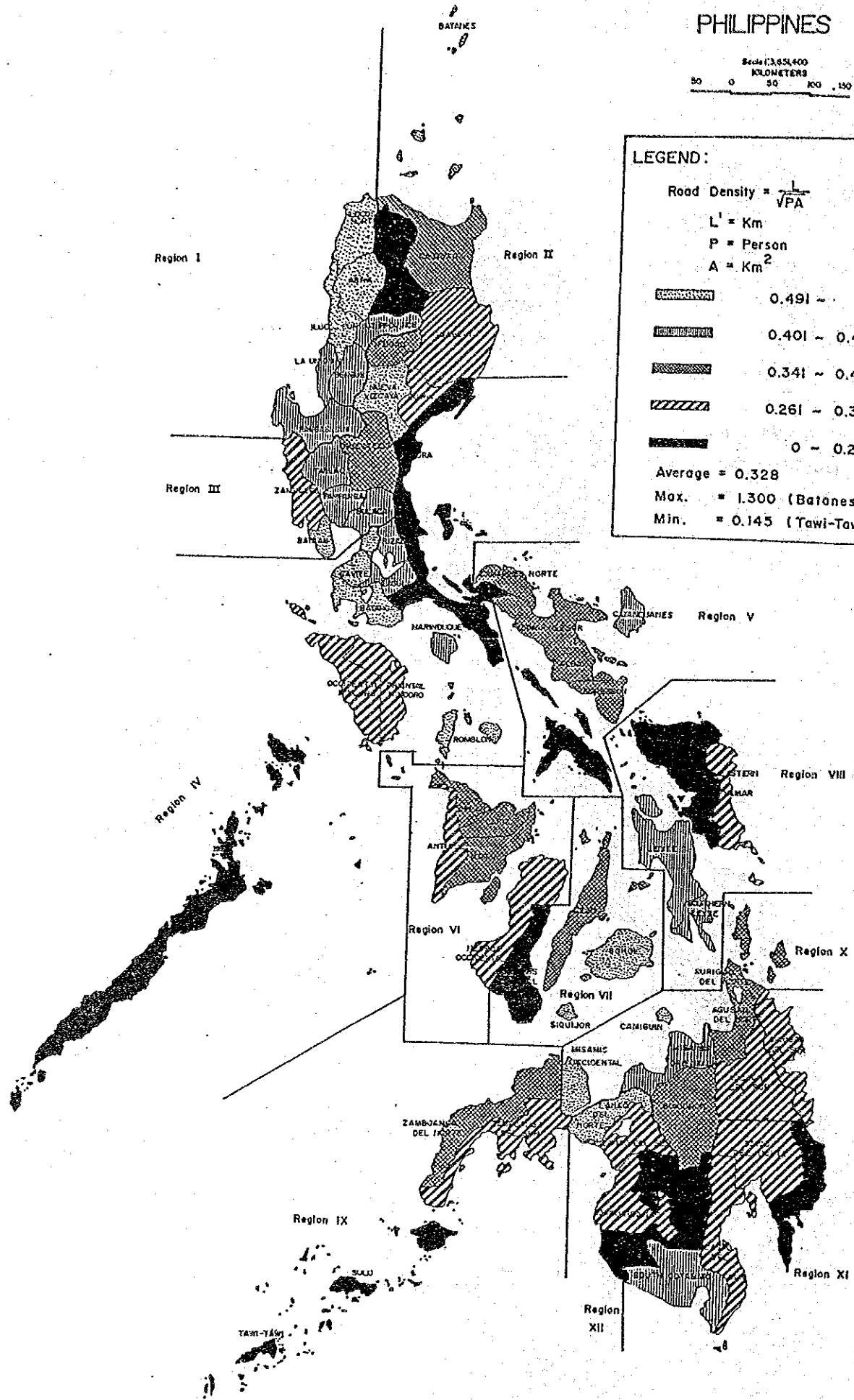
LEGEND:

Road Density = $\frac{L}{VPA}$

L' = Km
P = Person
A = Km²

	0.491 ~
	0.401 ~ 0.490
	0.341 ~ 0.400
	0.261 ~ 0.340
	0 ~ 0.260

Average = 0.328
Max. = 1.300 (Batanes)
Min. = 0.145 (Tawi-Tawi)



PILOT STUDY
FOR
THE RURAL ROAD NETWORK DEVELOPMENT PROJECT

Figure 12






ROAD DENSITY = $\frac{L'}{VPA}$ (All Roads)

PHILIPPINES

Scale: 1:3,654,400
KILOMETERS
50 0 50 100 150

LEGEND:

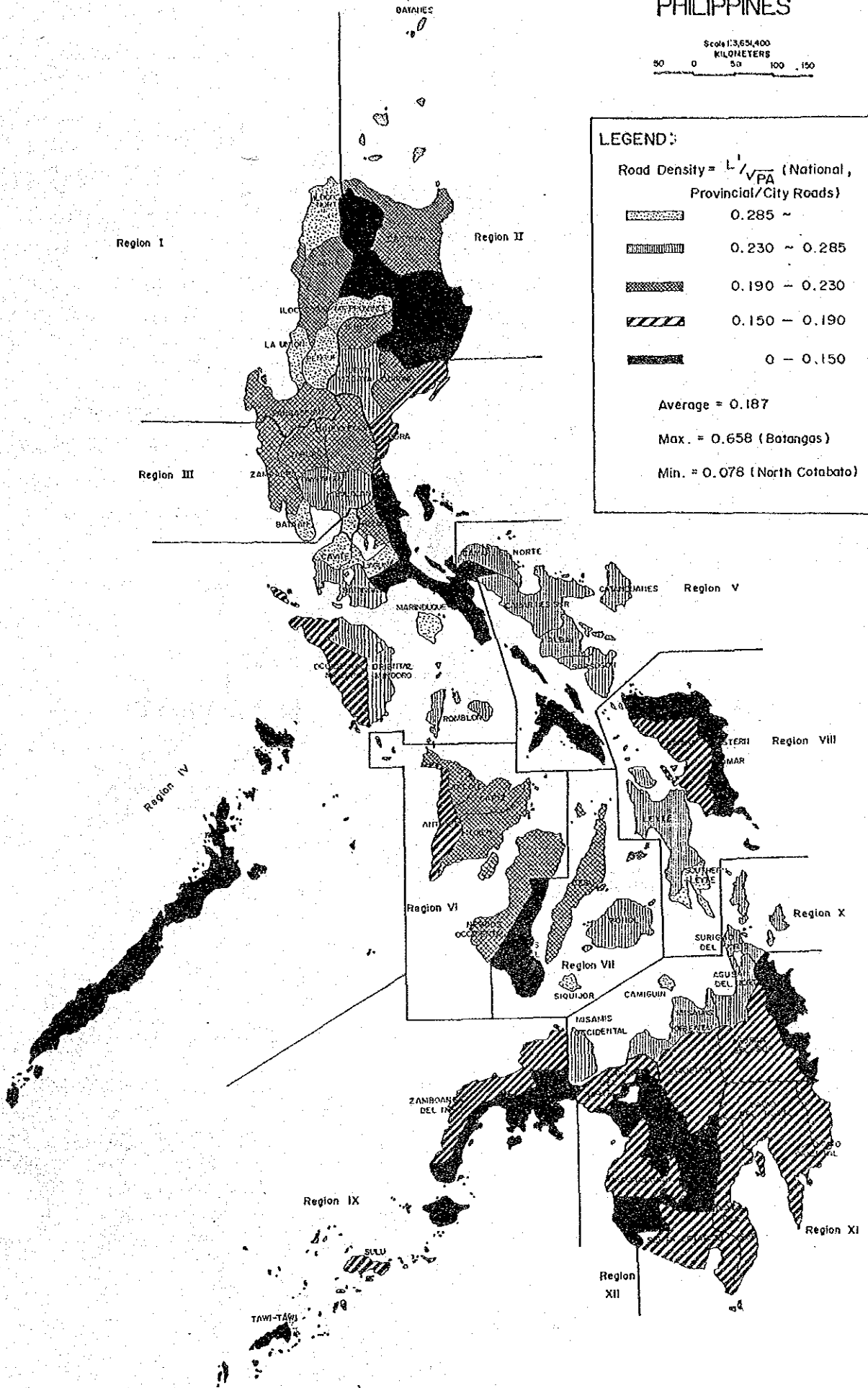
Road Density = L/\sqrt{PA} (National, Provincial/City Roads)

-  0.285 ~
-  0.230 ~ 0.285
-  0.190 - 0.230
-  0.150 - 0.190
-  0 - 0.150

Average = 0.187

Max. = 0.658 (Batangas)

Min. = 0.078 (North Cotabato)



PHILIPPINES

Scale 1:3,654,400
KILOMETERS
50 0 50 100 150

LEGEND:

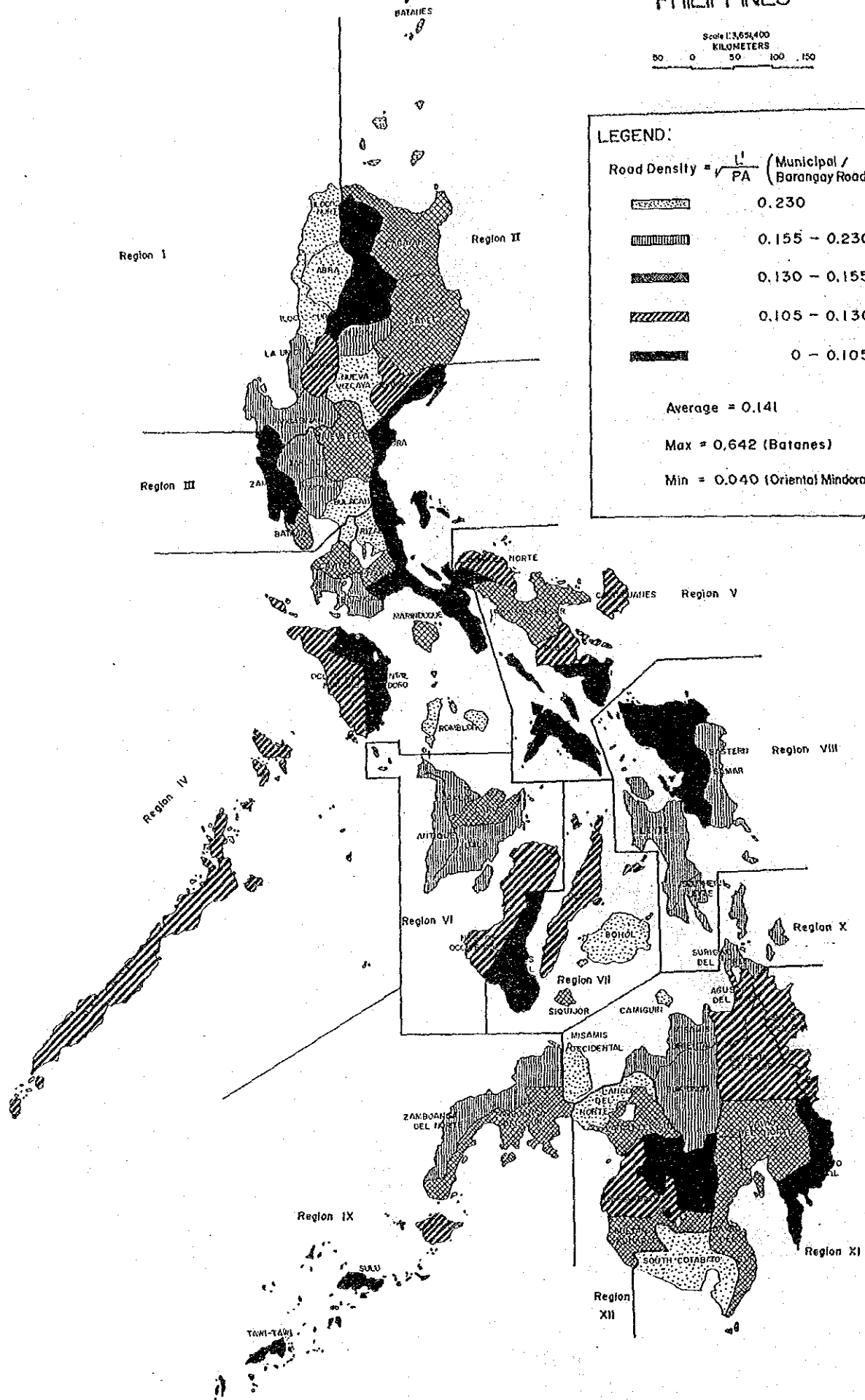
$$\text{Road Density} = \frac{L}{PA} \quad (\text{Municipal / Barangay Road})$$

	0.230
	0.155 - 0.230
	0.130 - 0.155
	0.105 - 0.130
	0 - 0.105

Average = 0.141

Max = 0.642 (Batanes)

Min = 0.040 (Oriental Mindoro)



**APPENDICES FOR
CHAPTER 5**

APPENDIX 5-1

CLASSIFICATION OF PROVINCES BY PRINCIPAL COMPONENT ANALYSIS

CLASSIFICATION OF PROVINCES BY PRINCIPAL COMPONENT ANALYSIS

1. General

For p kinds of variables (X_1, X_2, \dots, X_p) in some correlation to each other, the value z defined by the following equation is called the principal component.

$$z = \sum_{i=1}^p l_i \cdot X_i$$

where, l_1, l_2, \dots, l_p : coefficients decided to satisfy the following conditions,

$$1) \sum_{i=1}^p l_i^2 = 1$$

2) maximize the variance of z

X_i shall be, beforehand, standardized so as to make mean value 0 and variance 1, for adjustment of different ranges between variables.

The principal component analysis is statistical method to extract the characteristics of multiple variables in some correlation to each other.

2. Indicators Considered and Coefficients of First Principal Component

<u>Indicator</u>	<u>Coefficient of First Principal Component</u>
Arable Area Ratio	0.0909
Population Density	0.3686
Urban Population Ratio	0.4239
Population Growth Rate	0.2415
Per Capita GRDP	0.3836
Per Capita Income	0.3894
Un-/under-employment Ratio	-0.3086
Incidence of Poverty	-0.4077
Agricultural Productivity (1)	0.2401

As a result, extent of economic activities is reflected on the first principal component.

3. Classification of Province by First Principal Component

Provinces are put in the descending order of the first principal component and first 14 provinces are classified as "A", then downward, 15 provinces as "B", 15 provinces as "C", 15 provinces as "D", 14 provinces as "E". The classification made in such a way is shown in Table-1, together with classification by individual indicator.

4. Relationship between Individual Indicator and First Principal Component

The relationships between individual indicator and first principal component are plotted in Figure-1.

The coefficients of correlation between individual indicator and first principal component are as follows:

Arable Area Ratio	:	0.178
Population Density	:	0.721
Urban Population Ratio	:	0.829
Population Growth Rate	:	0.472
Per Capita GRDP	:	0.750
Per Capita Income	:	0.762
Un-/under-employment Ratio	:	-0.604
Incidence of Poverty	:	-0.798
Agricultural Productivity (1)	:	0.470

The correlation between first principal component and incidence of poverty is relatively high and difference between classification by first principal component and that by only incidence of poverty is not found so big (in 84% provinces, difference between both classifications is within one rank). Hence, incidence of poverty is considered as representative indicator of province characteristics comprehensively including 9 indicators considered.

Classification by First Principal Component

Coefficient for First Principal Component	Classification by Individual Indicator									Classification by First Principal Component
	Arable Area Ratio	Population Density	Urban Population Ratio	Population Growth Rate	Per Capita GRDP	Per Capita Income	Un- & Under-employ't Ratio	Incidence of Poverty	Agric. Productivity	
	(%)	(/km ²)	(%)	(% p.a.)	(p)	(p)	(%)	(%)	(%)	
	.0909	.3686	.4299	.2416	.3836	.3894	.3086	.4077	.2401	
(4) Cavite	B	A	A	A	A	A	A	A	A	A
(4) Laguna	B	A	A	A	A	A	A	A	A	A
(4) Rizal	A	A	A	A	A	A	A	A	A	A
(3) Bulacan	B	A	A	A	A	A	A	A	A	A
(3) Pampanga	A	A	A	A	A	A	A	A	A	A
(3) Zambales	E	C	A	A	A	A	A	A	A	A
(3) Bataan	C	A	A	A	A	A	A	A	A	A
(1) Benguet	E	C	A	A	A	A	A	A	A	A
(7) Cebu	C	A	A	A	A	A	A	A	A	A
(11) Davao del Sur	D	B	A	A	A	A	A	A	A	A
(4) Balangaa	A	B	D	B	A	A	A	A	A	A
(3) Nueva Ecija	B	B	B	A	A	A	A	A	A	A
(10) Misamis Oriental	B	B	A	A	A	A	A	A	A	A
(1) La Union	B	A	D	D	D	D	D	D	D	D
Average	54.4	388	48.8	3.15	12033	6876	37.8	47.3	63.4	1.137
Standard Deviation	16.6	186	17.8	.84	2609	1648	7.9	11.7	14.4	.649
(4) Occidental Mindoro	E	E	D	B	D	A	A	A	B	B
(11) South Cotabato	C	D	A	A	B	B	B	B	B	B
(31) Tarlac	B	D	D	D	D	B	B	B	B	B
(1) Pangasinan	A	A	E	E	D	C	C	C	A	B
(12) Sultan Kudarat	C	E	C	C	C	C	C	C	A	B
(1) Ilocos Norte	D	D	B	A	D	C	C	C	B	B
(10) Agusan del Norte	E	C	A	B	A	D	D	D	D	B
(11) Davao del Norte	D	D	B	B	B	B	C	C	A	B
(2) Nueva Vizcaya	E	E	C	D	D	A	C	C	A	B
(2) Quirino	E	E	C	A	E	A	C	C	A	B
(9) Zamboanga del Sur	C	C	C	B	C	C	C	C	D	B
(10) Surigao del Norte	C	C	B	B	C	C	C	C	A	B
(12) Magulindanao	D	D	B	C	C	D	A	C	E	A
(6) Negros Occidental	A	A	A	D	B	C	D	D	A	B
(6) Iloilo	A	A	B	D	C	B	D	D	C	B
Average	43.9	154	27.3	2.86	8613	5146	43.2	60.2	65.8	.129
Standard Deviation	16.9	90	6.6	.95	1434	1015	5.6	7.4	11.4	.118
(9) Sulu	B	B	D	A	D	D	D	C	E	C
(12) Lanao del Norte	C	C	C	B	B	B	B	C	B	C
(9) Tawi-Tawi	D	D	E	E	E	C	C	A	A	C
(2) Isabela	D	D	D	H	D	B	C	A	A	C
(10) Bukidnon	D	D	D	B	C	B	D	A	C	C
(6) Albay	A	A	C	C	E	D	C	D	D	C
(4) Palawan	E	E	C	A	B	D	A	D	D	C
(11) Surigao del Sur	E	D	A	A	B	D	E	C	C	C
(6) Aklan	B	B	E	D	B	B	D	C	C	C
(2) Cagayan	D	D	E	D	D	C	D	B	E	C
(4) Quezon	C	C	B	C	A	D	B	D	E	C
(12) Lanao del Sur	D	D	D	E	B	B	B	A	B	C
(6) Capiz	B	B	E	C	C	D	D	D	A	C
(10) Agusan del Sur	E	E	C	A	D	C	A	C	D	C
(4) Oriental Mindoro	C	D	E	B	C	C	B	D	C	C
Average	44.3	147	19.3	2.91	8310	4347	43.2	64.7	55.1	.155
Standard Deviation	15.2	84	5.5	1.40	1674	583	2.9	7.3	9.4	.084
(9) Basilan	B	C	E	B	B	E	D	E	A	D
(1) Ilocos Sur	C	C	D	E	D	C	C	B	C	D
(10) Misamis Occidental	B	B	D	E	B	E	E	E	D	D
(4) Aurora	C	E	C	A	B	E	A	E	D	D
(9) Zamboanga del Norte	B	D	D	B	D	B	B	D	D	D
(12) North Cotabato	C	D	D	B	C	D	C	D	B	D
(2) Balabac	E	E	D	D	C	D	C	D	B	D
(11) Davao Oriental	D	E	C	C	C	C	E	C	C	D
(6) Camarines Sur	A	B	B	E	E	D	D	D	C	D
(4) Marinduque	A	B	E	E	B	D	B	E	E	D
(7) Negros Oriental	C	C	C	D	D	C	D	C	E	D
(8) Leyte	B	B	B	C	D	D	C	C	B	D
(2) Kalinga-Apayao	E	E	E	E	D	B	E	C	B	D
(6) Antique	B	C	C	C	C	E	C	D	D	D
(5) Camarines Norte	B	C	B	D	E	E	D	E	E	D
Average	50.3	144	21.1	2.30	7583	3838	44.6	72.5	51.6	.390
Standard Deviation	16.5	67	5.1	.71	1722	901	4.9	6.6	9.5	.057
(10) Camiguin	D	A	B	E	B	E	D	E	E	E
(1) Mountain Province	E	E	E	E	C	D	E	B	B	E
(7) Bohol	A	B	E	E	C	E	C	E	E	E
(4) Romblon	A	C	E	E	A	E	B	E	E	E
(8) Southern Leyte	A	C	D	D	E	E	E	D	B	E
(5) Sorsogon	A	B	C	C	E	E	E	E	C	E
(2) Ifugao	E	E	E	E	B	C	C	C	C	E
(1) Abra	E	E	D	D	E	E	E	E	C	E
(6) Catanduanes	C	D	C	E	E	E	D	D	E	E
(7) Siquijor	C	B	E	E	D	D	B	E	E	E
(8) Northern Samar	D	D	C	D	E	E	D	E	E	E
(6) Masbate	A	C	D	D	E	E	D	E	E	E
(8) Samar	D	D	E	E	E	E	D	D	D	E
(8) Eastern Samar	D	E	B	C	E	E	E	E	C	E
Average	45.2	146	18.1	1.63	6666	3440	49.1	74.6	46.2	.692
Standard Deviation	23.2	74	7.0	.45	2414	589	4.5	8.2	11.3	.153
All Average	47.5	194	26.7	2.57	8621	4718	43.6	64.0	56.5	.000
Standard Deviation	18.7	144	14.7	1.08	2678	1578	6.6	12.8	13.4	.685

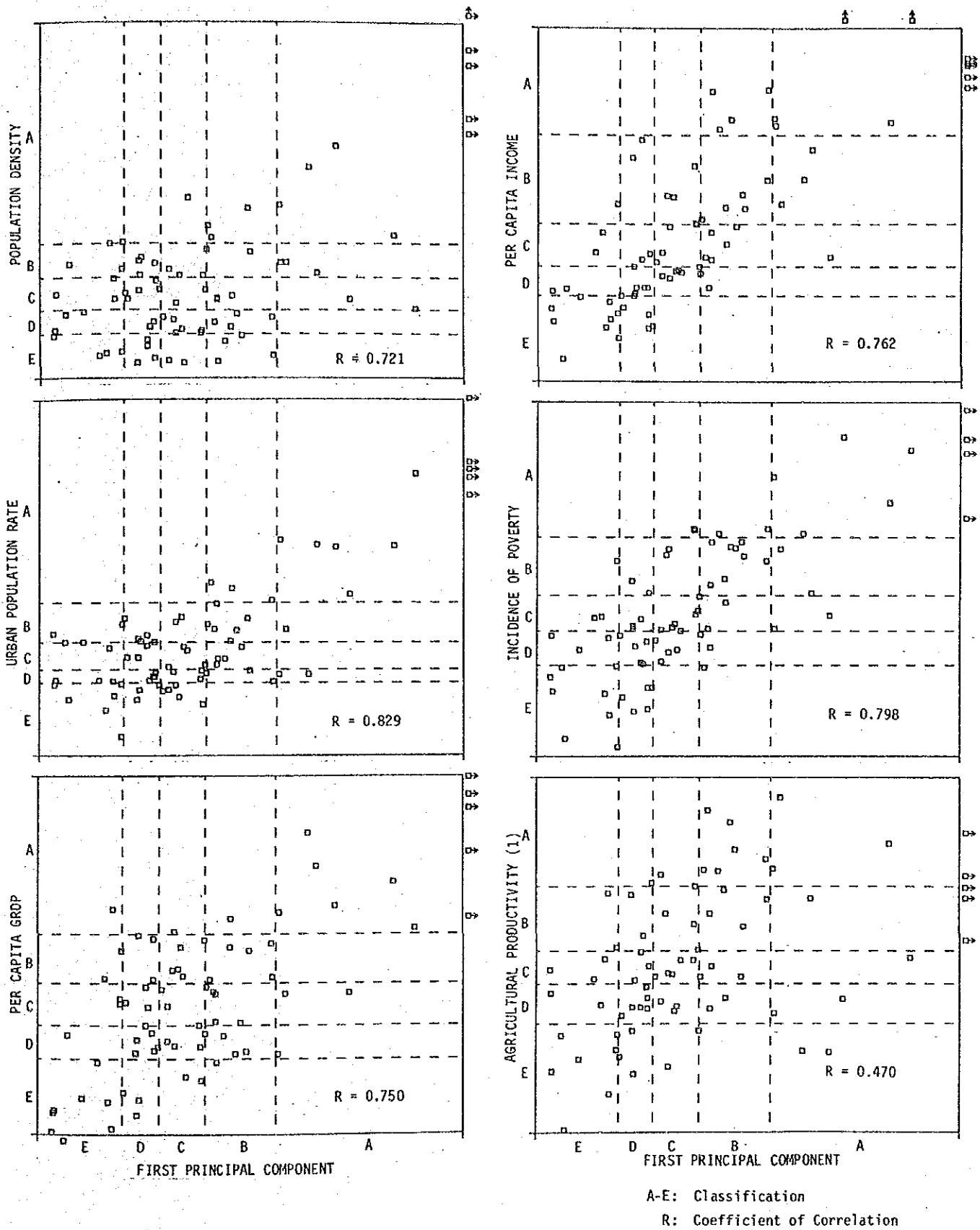


FIGURE 1 RELATIONSHIP BETWEEN FIRST PRINCIPAL COMPONENT AND INDIVIDUAL INDICATOR

**APPENDICES FOR
CHAPTER 9**

APPENDIX 9-1

EXAMPLES OF SOCIO-ECONOMIC DATA COMPILED BY ROAD LINK

Road Number		B12-1 (CAVITE)					
Population		1988	1992	1996	2006	2016	
		1383	1584	1789	2277	2707	
Ave. Travel Distance		Agric	Non-A	Pass.			
		.5	.3	.3			
		Car	Jpney	Bus	Truck	Tricy	
		M-Cyc	Animl	Walkg	Boat		
M o d a l	Agric.	1988	w/o	60.0	20.0	10.0	10.0
	Commo-	1992	w/o	60.0	20.0	10.0	10.0
	dity	1996	w/o	60.0	20.0	10.0	10.0
		2006	w/o	60.0	20.0	10.0	10.0
		2016	w/o	60.0	20.0	10.0	10.0
		1992	w	60.0	20.0	20.0	
		1996	w	60.0	20.0	20.0	
		2006	w	60.0	20.0	20.0	
		2016	w	60.0	20.0	20.0	
	D i s t r i b u t i o n	Non-	1988	w/o	20.0	60.0	10.0
Agric.		1992	w/o	20.0	60.0	10.0	10.0
Commo-		1996	w/o	20.0	60.0	10.0	10.0
dity		2006	w/o	20.0	60.0	10.0	10.0
		2016	w/o	20.0	60.0	10.0	10.0
		1992	w	20.0	50.0	10.0	20.0
		1996	w	20.0	50.0	10.0	20.0
		2006	w	20.0	50.0	10.0	20.0
		2016	w	20.0	50.0	10.0	20.0
(%)		Pass-	1988	w/o	20.0	40.0	30.0
	enger	1992	w/o	20.0	40.0	30.0	10.0
		1996	w/o	20.0	40.0	30.0	10.0
		2006	w/o	20.0	40.0	30.0	10.0
		2016	w/o	20.0	40.0	30.0	10.0
		1992	w	20.0	40.0	30.0	10.0
		1996	w	20.0	40.0	30.0	10.0
		2006	w	20.0	40.0	30.0	10.0
		2016	w	20.0	40.0	30.0	10.0
			Irrig	Rainf	Uplnd	Vege-	
		Palay	Palay	Palay	table		
A g r i c u l t u r e	Crop	1988	w/o	75.0	88.0	5.0	
	Area	1992	w/o	85.0	78.0	5.0	
	(ha)	1996	w/o	100.0	63.0	5.0	
		2006	w/o	125.0	38.0	5.0	
		2016	w/o	125.0	38.0	5.0	
		1992	w	85.0	78.0	5.0	
		1996	w	100.0	63.0	5.0	
		2006	w	125.0	38.0	5.0	
		2016	w	125.0	38.0	5.0	
	C r o p	Yield	1988	w/o	8.50	2.75	5.00
(ton/		1992	w/o	8.65	2.80	5.30	
ha)		1996	w/o	8.75	2.80	5.60	
		2006	w/o	9.10	2.90	6.50	
		2016	w/o	9.50	3.00	7.50	
		1992	w	8.65	2.80	5.30	
		1996	w	8.75	2.85	5.80	
		2006	w	9.10	3.05	7.20	
		2016	w	9.50	3.25	9.00	
D i s t r i b u t i o n		Produ-	1988	w/o	1400	1672	1140
	ction	1992	w/o	1400	1664	1123	
	Cost	1996	w/o	1400	1664	1106	
	(peso	2006	w/o	1400	1648	1054	
	/ton)	2016	w/o	1400	1632	997	
		1992	w	1400	1664	1123	
		1996	w	1400	1656	1094	
		2006	w	1400	1624	1014	
		2016	w	1400	1591	912	
	Irrigate Price w				3700	3700	4000
Mill Avail'ty (Y/N)		Y					
		Per-Capita	Per-Capita	Tran-			
		in Base Yr	Growth Rt.	sition			
		w/o	w	w/o	w	Period	
Non-Agr. Commodity		.0021	.0034	2.5	2.5	3.0	
Passenger Trip		.17	.28	3.0	3.0	3.0	

Road Number		B20-11		(CAVITE)						
Population		1988	1992	1996	2006	2016				
		737	823	909	1101	1257				
Ave. Travel Distance		Agric Non-A Pass.								
		.8	.8	.8						
		Car	Jpney	Bus	Truck	Tricy	M-Cyc	Animl	Walkg	Boat
M o d a l	Agric. 1988 w/o	60.0	20.0					20.0		
	Commo-1992 w/o	60.0	20.0					20.0		
	dity 1996 w/o	60.0	20.0					20.0		
	2006 w/o	60.0	20.0					20.0		
	2016 w/o	60.0	20.0					20.0		
	1992 w	50.0	20.0		20.0			10.0		
	1996 w	50.0	20.0		20.0			10.0		
	2006 w	50.0	20.0		20.0			10.0		
	2016 w	50.0	20.0		20.0			10.0		
	D i s t r i b u t i o n	Non- 1988 w/o	20.0	50.0					10.0	20.0
Agric. 1992 w/o		20.0	50.0					10.0	20.0	
Commo-1996 w/o		20.0	50.0					10.0	20.0	
dity 2006 w/o		20.0	50.0					10.0	20.0	
2016 w/o		20.0	50.0					10.0	20.0	
1992 w		30.0	50.0		10.0			10.0		
1996 w		30.0	50.0		10.0			10.0		
2006 w		30.0	50.0		10.0			10.0		
2016 w		30.0	50.0		10.0			10.0		
(%)		Pass- 1988 w/o	20.0	70.0						10.0
	enger 1992 w/o	20.0	70.0						10.0	
	1996 w/o	20.0	70.0						10.0	
	2006 w/o	20.0	70.0						10.0	
	2016 w/o	20.0	70.0						10.0	
	1992 w	20.0	70.0						10.0	
	1996 w	20.0	70.0						10.0	
	2006 w	20.0	70.0						10.0	
	2016 w	20.0	70.0						10.0	
	A g r i c u l t u r e	Crop 1988 w/o					135.0	225.0	45.0	
Area 1992 w/o						135.0	225.0	45.2		
(ha) 1996 w/o						135.0	225.0	45.5		
2006 w/o						135.0	225.0	46.0		
2016 w/o						135.0	225.0	46.6		
1992 w						135.0	225.0	45.2		
1996 w						135.0	225.0	45.6		
2006 w						135.0	225.0	46.6		
2016 w						135.0	225.0	47.7		
C o s t		Yield 1988 w/o					4.00	1.50	20.00	
	(ton/ 1992 w/o					4.10	1.51	20.50		
	ha) 1996 w/o					4.20	1.53	21.70		
	2006 w/o					4.40	1.56	22.50		
	2016 w/o					4.70	1.60	24.00		
	1992 w					4.10	1.51	20.50		
	1996 w					4.20	1.53	21.77		
	2006 w					4.54	1.58	24.68		
	2016 w					4.91	1.63	28.24		
	P r o d u c t i o n	Produ-1988 w/o					328	3318	1890	
ction 1992 w/o						326	3273	1857		
Cost 1996 w/o						323	3184	1777		
(peso 2006 w/o						319	3049	1724		
/ton) 2016 w/o						312	2870	1624		
1992 w						326	3273	1857		
1996 w						323	3184	1772		
2006 w						316	2955	1579		
2016 w						308	2713	1342		
Fgate Price w						1500	35000	1900		
Mill Avail'ty (Y/N)		N								
		Per-Capita		Per-Capita Tran-						
		in Base Yr		Growth Rt.		sition				
		w/o w		w/o w		Period				
Non-Agr. Commodity		.0018 .0032		2.5 2.5		3.0				
Passenger Trip		.16 .28		3.0 3.0		3.0				

Road Number		B11-6 (MASBATE)							
Population		1988	1992	1996	2006	2016			
		1186	1306	1451	1750	2006			
Ave. Travel Distance		Agric	Non-A	Pass.					
		2.6	3.1	3.1					
		Car	Jpney	Bus	Truck	Tricy			
		M-Cyc	Animl	Walkg	Boat				
M o d e l	Agric. 1988 w/o	20.0				10.0	60.0	10.0	
	Commo-1992 w/o	20.0				10.0	60.0	10.0	
	dity 1996 w/o	20.0				10.0	60.0	10.0	
	2006 w/o	20.0				10.0	60.0	10.0	
	2016 w/o	20.0				10.0	60.0	10.0	
	1992 w	40.0	15.0		40.0		5.0		
	1996 w	40.0	15.0		40.0		5.0		
	2006 w	40.0	15.0		40.0		5.0		
	2016 w	40.0	15.0		40.0		5.0		
	D i s t r i b u t i o n	Non- 1988 w/o	20.0				10.0	50.0	20.0
Agric. 1992 w/o		20.0				10.0	50.0	20.0	
Commo-1996 w/o		20.0				10.0	50.0	20.0	
dity 2006 w/o		20.0				10.0	50.0	20.0	
2016 w/o		20.0				10.0	50.0	20.0	
1992 w		40.0	30.0		10.0		20.0		
1996 w		40.0	30.0		10.0		20.0		
2006 w		40.0	30.0		10.0		20.0		
2016 w		40.0	30.0		10.0		20.0		
(%)		Pass- 1988 w/o	5.0	10.0				15.0	5.0
	enger 1992 w/o	5.0	10.0				15.0	5.0	65.0
	1996 w/o	5.0	10.0				15.0	5.0	65.0
	2006 w/o	5.0	10.0				15.0	5.0	65.0
	2016 w/o	5.0	10.0				15.0	5.0	65.0
	1992 w	20.0	70.0						10.0
	1996 w	20.0	70.0						10.0
	2006 w	20.0	70.0						10.0
	2016 w	20.0	70.0						10.0
	A g r i c u l t u r e	Crop 1988 w/o	40.0	300.0	100.0	100.0	60.0		
Area 1992 w/o		41.2	300.0	100.0	102.0	60.0			
(ha) 1996 w/o		44.0	300.0	100.0	104.0	60.0			
2006 w/o		56.0	300.0	100.0	106.0	60.0			
2016 w/o		60.0	300.0	100.0	110.0	60.0			
1992 w		41.2	300.0	100.0	102.0	60.0			
1996 w		45.6	300.0	100.0	106.4	60.0			
2006 w		59.2	300.0	100.0	115.6	60.0			
2016 w		68.0	300.0	100.0	126.0	60.0			
C o p p r o d u c t i o n		Yield 1988 w/o	7.00	2.00	1.00	2.00	1.80		
	(ton/ 1992 w/o	7.60	2.10	1.00	2.02	1.00			
	ha) 1996 w/o	7.80	2.20	1.00	2.04	1.10			
	2006 w/o	8.40	2.30	1.00	2.07	1.20			
	2016 w/o	8.60	2.30	1.00	2.10	1.20			
	1992 w	7.60	2.10	1.00	2.02	1.00			
	1996 w	7.88	2.20	1.00	2.05	1.18			
	2006 w	8.57	2.34	1.00	2.09	1.36			
	2016 w	8.88	2.38	1.00	2.15	1.36			
	D a t a	Produ-1988 w/o	1400	1793	1954	1610	3121		
ction 1992 w/o		1400	1777	1954	1610	2477			
Cost 1996 w/o		1400	1761	1954	1610	2453			
(peso 2006 w/o		1400	1745	1954	1610	2453			
/ton) 2016 w/o		1400	1745	1954	1610	2453			
1992 w		1400	1777	1954	1610	2477			
1996 w		1400	1761	1954	1610	2453			
2006 w		1400	1738	1954	1610	2453			
2016 w		1400	1732	1954	1610	2453			
Gate Price w		3500	3500	3500	2800	6800			
Mill Avail'ty (Y/N)	N								
Non-Agr. Commodity	Per-Capita	Per-Capita	Tran-						
	in Base Yr	Growth Rt.	sition						
Passenger Trip	w/o	w	w/o	w	Period				
	.0008	.0012	2.5	2.5	3.0				
	.04	.06	3.0	3.0	3.0				

Road Number		B8-3 (MASBATE)							
Population		1988	1992	1996	2006	2016			
		2770	2918	3072	3408	3655			
Ave. Travel Distance		Agric	Non-A	Pass.					
		2.5	2.5	2.5					
		Car	Jpney	Bus	Truck	Tricy			
		M-Cyc	Animl	Walkg	Boat				
M o d a l	Agric. 1988 w/o					10.0	80.0	10.0	
	Commo-1992 w/o					10.0	80.0	10.0	
	dity 1996 w/o					10.0	80.0	10.0	
	2006 w/o					10.0	80.0	10.0	
	2016 w/o					10.0	80.0	10.0	
	1992 w	40.0	15.0		40.0		5.0		
	1996 w	40.0	15.0		40.0		5.0		
	2006 w	40.0	15.0		40.0		5.0		
	2016 w	40.0	15.0		40.0		5.0		
	D i s t r i b u t i o n	Non- 1988 w/o						70.0	30.0
Agric..1992 w/o							70.0	30.0	
Commo-1996 w/o							70.0	30.0	
dity 2006 w/o							70.0	30.0	
2016 w/o							70.0	30.0	
1992 w		40.0	30.0		10.0		20.0		
1996 w		40.0	30.0		10.0		20.0		
2006 w		40.0	30.0		10.0		20.0		
2016 w		40.0	30.0		10.0		20.0		
(%)		Pass- 1988 w/o						5.0	5.0
	enger 1992 w/o						5.0	5.0	90.0
	1996 w/o						5.0	5.0	90.0
	2006 w/o						5.0	5.0	90.0
	2016 w/o						5.0	5.0	90.0
	1992 w	20.0	70.0						10.0
	1996 w	20.0	70.0						10.0
	2006 w	20.0	70.0						10.0
	2016 w	20.0	70.0						10.0
			Irrig	Rainf	Uplnd	Corn	Coco-		
		Palay	Palay	Palay		nut			
A g r i c u l t u r e	Crop 1988 w/o		.4	35.0	35.0	455.0			
	Area 1992 w/o		1.2	35.0	36.8	455.0			
	(ha) 1996 w/o		2.4	35.0	39.2	455.0			
	2006 w/o		4.8	35.0	43.8	459.5			
	2016 w/o		8.0	35.0	49.0	464.1			
	1992 w		1.2	35.0	36.8	455.0			
	1996 w		4.3	35.0	41.7	462.3			
	2006 w		12.6	35.0	57.1	472.3			
	2016 w		20.8	35.0	71.4	478.7			
	C o n s u m e	Yield 1988 w/o		2.00	1.50	1.00	.80		
(ton/ 1992 w/o			2.10	1.50	1.02	1.00			
ha) 1996 w/o			2.20	1.50	1.04	1.10			
2006 w/o			2.30	1.50	1.07	1.20			
2016 w/o			2.30	1.50	1.10	1.20			
1992 w			2.10	1.50	1.02	1.00			
1996 w			2.20	1.50	1.05	1.18			
2006 w			2.38	1.50	1.10	1.37			
2016 w			2.45	1.50	1.16	1.37			
P r o d u c t i o n		Produ-1988 w/o		1793	1874	1600	3121		
	ction 1992 w/o		1777	1874	1602	2477			
	Cost 1996 w/o		1761	1874	1603	2453			
	(peso 2006 w/o		1745	1874	1605	2453			
	/ton) 2016 w/o		1745	1874	1607	2453			
	1992 w		1777	1874	1602	2477			
	1996 w		1761	1874	1604	2453			
	2006 w		1732	1874	1607	2453			
	2016 w		1720	1874	1610	2453			
	Fgate Price w			3500	3500	2800	6800		
Mill Avail'ty (Y/N)		N							
		Per-Capita	Per-Capita	Tran-					
		in Base Yr	Growth Rt.	sition					
		w/o	w	Period					
Non-Agr. Commodity		.0005	.0010	2.5	2.5	3.0			
Passenger Trip		.01	.02	3.0	3.0	3.0			

Road Number		P140-1 (BOHOL)								
Population		1988	1992	1996	2006	2016				
		3207	3500	3803	4533	5150				
Ave. Travel Distance		Agric Non-A Pass.								
		1.8	1.8	1.8						
		Car	Jpney	Bus	Truck	Tricy	M-Cyc	Animl	Walkg	Boat
M o d a l	Agric.1988	w/o				10.0	20.0	40.0	30.0	
	Commo-1992	w/o				10.0	20.0	40.0	30.0	
	dity 1996	w/o				10.0	20.0	40.0	30.0	
	2006	w/o				10.0	20.0	40.0	30.0	
	2016	w/o				10.0	20.0	40.0	30.0	
	1992	w	20.0	55.0		25.0				
	1996	w	20.0	55.0		25.0				
	2006	w	20.0	55.0		25.0				
	2016	w	20.0	55.0		25.0				
	D i s t r i b u t i o n	Non-1988	w/o				10.0	20.0	40.0	30.0
Agric.1992		w/o				10.0	20.0	40.0	30.0	
Commo-1996		w/o				10.0	20.0	40.0	30.0	
dity 2006		w/o				10.0	20.0	40.0	30.0	
2016		w/o				10.0	20.0	40.0	30.0	
1992		w	20.0	55.0		25.0				
1996		w	20.0	55.0		25.0				
2006		w	20.0	55.0		25.0				
2016		w	20.0	55.0		25.0				
(%)		Pass-1988	w/o				15.0	5.0		80.0
	enger 1992	w/o				15.0	5.0		80.0	
	1996	w/o				15.0	5.0		80.0	
	2006	w/o				15.0	5.0		80.0	
	2016	w/o				15.0	5.0		80.0	
	1992	w	10.0	55.0		15.0	10.0		10.0	
	1996	w	10.0	55.0		15.0	10.0		10.0	
	2006	w	10.0	55.0		15.0	10.0		10.0	
	2016	w	10.0	55.0		15.0	10.0		10.0	
	A g r i c u l t u r e	Crop 1988	w/o	35.0	155.0	30.0	65.0	265.0	5.0	10.0
Area 1992		w/o	38.5	170.5	30.0	65.0	265.0	5.5	11.0	30.0
(ha) 1996		w/o	38.5	170.5	30.0	65.0	265.0	5.5	11.0	30.0
2006		w/o	45.5	201.5	30.0	65.0	265.0	6.5	13.0	30.0
2016		w/o	52.5	232.5	30.0	65.0	265.0	7.5	15.0	30.0
1992		w	38.5	170.5	30.0	65.0	265.0	5.5	11.0	30.0
1996		w	42.0	186.0	28.3	61.4	250.4	6.0	13.0	28.3
2006		w	56.0	248.0	25.3	54.8	223.2	8.0	16.0	25.3
2016		w	73.5	325.5	20.5	44.5	181.4	10.5	21.0	20.5
C o s t		Yield 1988	w/o	5.00	2.10	.90	.80	.90	5.00	9.60
	(ton/ 1992	w/o	5.20	2.10	.90	.80	.90	9.00	9.80	4.60
	ha) 1996	w/o	5.70	2.10	.90	.80	.90	9.30	10.20	4.70
	2006	w/o	5.90	2.20	.90	.80	.90	9.70	11.10	4.90
	2016	w/o	6.20	2.20	.90	.80	.90	10.00	11.80	5.20
	1992	w	5.20	2.10	.90	.80	.90	9.00	9.80	4.60
	1996	w	6.20	2.20	.90	.80	.90	9.35	10.30	4.90
	2006	w	6.40	2.20	1.00	.90	1.00	9.75	11.20	5.40
	2016	w	7.00	2.30	1.00	.90	1.00	10.00	12.00	5.90
	P r o d u c t i o n	Produ-1988	w/o	1400	1777	1970	1625	2799	1140	832
ction 1992		w/o	1400	1777	1970	1625	2799	912	828	315
Cost 1996		w/o	1400	1777	1970	1625	2799	894	821	312
(peso 2006		w/o	1400	1761	1970	1625	2799	872	804	308
/ton) 2016		w/o	1400	1761	1970	1625	2799	854	791	302
1992		w	1400	1777	1970	1625	2799	912	828	315
1996		w	1400	1761	1970	1625	2799	892	819	308
2006		w	1400	1761	1954	1594	2477	869	802	297
2016		w	1400	1745	1954	1594	2477	854	787	286
Gate Price		w	3500	3500	3500	2800	6800	4000	1500	1500
Mill Avail'ty (Y/N)		Y								
		Per-Capita		Per-Capita		Tran-				
		in Base Yr		Growth Rt.		sition				
		w/o		w/o		w				
Non-Agr. Commodity		.0016	.0018	2.5	2.5	3.0	Period			
Passenger Trip		.10	.11	3.0	3.0	3.0				

Road Number		B28-3 (BOHOL)								
Population		1988	1992	1996	2006	2016				
		648	681	714	787	841				
Ave. Travel Distance		Agric	Non-A	Pass.						
		1.5	1.5	1.5						
		Car	Jpney	Bus	Truck	Tricy	M-Cyc	Animl	Walkg	Boat
M o d a l	Agric. 1988 w/o							70.0	30.0	
	Commo-1992 w/o							70.0	30.0	
	dity 1996 w/o							70.0	30.0	
	2006 w/o							70.0	30.0	
	2016 w/o							70.0	30.0	
	1992 w	20.0	55.0			25.0				
	1996 w	20.0	55.0			25.0				
	2006 w	20.0	55.0			25.0				
	2016 w	20.0	55.0			25.0				
	D i s t r i b u t i o n	Non- 1988 w/o					10.0	20.0	40.0	30.0
Agric. 1992 w/o						10.0	20.0	40.0	30.0	
Commo-1996 w/o						10.0	20.0	40.0	30.0	
dity 2006 w/o						10.0	20.0	40.0	30.0	
2016 w/o						10.0	20.0	40.0	30.0	
1992 w		20.0	55.0			25.0				
1996 w		20.0	55.0			25.0				
2006 w		20.0	55.0			25.0				
2016 w		20.0	55.0			25.0				
(%)		Pass- 1988 w/o					15.0	5.0		80.0
	enger 1992 w/o					15.0	5.0		80.0	
	1996 w/o					15.0	5.0		80.0	
	2006 w/o					15.0	5.0		80.0	
	2016 w/o					15.0	5.0		80.0	
	1992 w	10.0	55.0			15.0	10.0		10.0	
	1996 w	10.0	55.0			15.0	10.0		10.0	
	2006 w	10.0	55.0			15.0	10.0		10.0	
	2016 w	10.0	55.0			15.0	10.0		10.0	
			Irrig	Rainf	Uplnd	Corn	Coco-	Vege-	Root	Bana-
		Palay	Palay	Palay		nut	table	Crop	na	
A g r i c u l t i v e	Crop 1988 w/o	16.0	6.0		35.0	19.0	6.0	39.0	19.0	
	Area 1992 w/o	17.6	6.6		38.5	19.0	6.6	42.9	20.9	
	(ha) 1996 w/o	17.6	6.6		38.5	19.0	6.6	42.9	20.9	
	2006 w/o	20.8	7.8		49.0	19.0	7.8	50.7	24.7	
	2016 w/o	24.0	9.0		56.0	19.0	9.0	58.5	28.5	
	1992 w	17.6	6.6		38.5	19.0	6.6	42.9	20.9	
	1996 w	18.1	6.8		40.7	17.8	6.8	45.4	22.1	
	2006 w	22.3	8.4		52.4	16.6	8.4	54.4	26.5	
	2016 w	27.1	10.2		63.8	16.0	10.2	66.0	32.1	
	C o r p o r a t i o n	Yield 1988 w/o	7.00	2.10		1.90	.90	1.50	9.60	6.70
(ton/ 1992 w/o		7.60	2.10		1.90	.90	4.70	9.80	6.80	
ha) 1996 w/o		7.80	2.10		1.90	.90	4.80	10.20	7.00	
2006 w/o		8.40	2.20		2.00	.90	5.00	11.10	7.30	
2016 w/o		8.60	2.20		2.00	.90	5.20	11.80	7.70	
1992 w		7.60	2.10		1.90	.90	4.70	9.80	6.80	
1996 w		7.94	2.13		2.01	.90	4.87	10.24	7.18	
2006 w		8.55	2.20		2.07	.92	5.18	11.14	7.56	
2016 w		8.84	2.24		2.12	.92	5.52	11.88	8.61	
D a t a		Produ-1988 w/o	1400	1777		1610	2799	1340	832	269
	ction 1992 w/o	1400	1777		1610	2799	1157	828	267	
	Cost 1996 w/o	1400	1777		1610	2799	1151	821	262	
	(peso 2006 w/o	1400	1761		1610	2799	1140	804	256	
	/ton) 2016 w/o	1400	1761		1610	2799	1129	791	247	
	1992 w	1400	1777		1610	2799	1157	828	267	
	1996 w	1400	1771		1610	2799	1148	820	258	
	2006 w	1400	1761		1610	2728	1130	803	250	
	2016 w	1400	1754		1610	2737	1110	790	227	
	Fgate Price w		3500	3500		2800	6800	4000	1500	1500
Mill Avail'ty (Y/N)		N								
		Per-Capita		Per-Capita		Tran-				
		in Base Yr		Growth Rt.		sition				
		w/o	w	w/o	w	Period				
Non-Agr. Commodity		.0016	.0018	2.5	2.5	3.0				
Passenger Trip		.10	.11	3.0	3.0	3.0				

Road Number		B6-5 (AGUSAN DEL NORTE)								
Population		1988	1992	1996	2006	2016				
		5141	5670	6213	7593	8674				
Ave. Travel Distance		Agric	Non-A	Pass.						
		4.7	4.7	4.7						
		Car	Jpney	Bus	Truck	Tricy				
		M-Cyc	Animl	Walkg	Boat					
M o d a l	Agric. 1988	w/o	20.0	40.0	10.0	20.0	10.0			
	Commo-1992	w/o	20.0	40.0	10.0	20.0	10.0			
	dity 1996	w/o	20.0	40.0	10.0	20.0	10.0			
	2006	w/o	20.0	40.0	10.0	20.0	10.0			
	2016	w/o	20.0	40.0	10.0	20.0	10.0			
	1992	w	25.0	45.0	30.0					
	1996	w	25.0	45.0	30.0					
	2006	w	25.0	45.0	30.0					
	2016	w	25.0	45.0	30.0					
	D i s t r i b u t i o n	Non- 1988	w/o	20.0	30.0		30.0	20.0		
Agric. 1992		w/o	20.0	30.0		30.0	20.0			
Commo-1996		w/o	20.0	30.0		30.0	20.0			
dity 2006		w/o	20.0	30.0		30.0	20.0			
2016		w/o	20.0	30.0		30.0	20.0			
1992		w	30.0	50.0		15.0	5.0			
1996		w	30.0	50.0		15.0	5.0			
2006		w	30.0	50.0		15.0	5.0			
2016		w	30.0	50.0		15.0	5.0			
(%)		Pass- 1988	w/o	10.0	30.0		30.0	10.0	20.0	
	enger 1992	w/o	10.0	30.0		30.0	10.0	20.0		
	1996	w/o	10.0	30.0		30.0	10.0	20.0		
	2006	w/o	10.0	30.0		30.0	10.0	20.0		
	2016	w/o	10.0	30.0		30.0	10.0	20.0		
	1992	w	15.0	65.0		20.0				
Irrig Palay	1996	w	15.0	65.0		20.0				
	2006	w	15.0	65.0		20.0				
	2016	w	15.0	65.0		20.0				
			Rainf Palay	Uplnd Palay	Corn Palay	Coco- nut	Vege- table	Bana- na	Coffe	
	A g r i c u l t u r e	Crop 1988	w/o	270.0		400.0	100.0	150.0	150.0	300.0
		Area 1992	w/o	272.7		400.0	101.0	150.0	150.0	360.0
(ha) 1996		w/o	278.1		400.0	101.0	150.0	150.0	420.0	
2006		w/o	288.9		400.0	103.0	150.0	150.0	540.0	
2016		w/o	297.0		400.0	104.0	150.0	150.0	660.0	
1992		w	272.7		400.0	101.0	150.0	150.0	360.0	
1996		w	279.5		402.4	101.1	152.8	150.0	429.0	
2006		w	291.5		406.7	103.2	158.5	150.0	578.3	
2016		w	301.1		406.0	104.3	161.3	150.0	705.0	
P r o d u c t i o n		Yield 1988	w/o	7.60		1.50	2.50	8.00	6.00	.90
	(ton/ 1992	w/o	7.80		1.53	2.55	8.10	6.20	.90	
	ha) 1996	w/o	8.00		1.56	2.60	8.20	6.40	.92	
	2006	w/o	8.40		1.63	2.80	8.50	6.60	.96	
	2016	w/o	8.80		1.70	2.90	8.70	7.00	1.00	
	1992	w	7.80		1.53	2.55	8.10	6.20	.90	
	1996	w	8.00		1.57	2.61	8.22	6.41	.92	
	2006	w	8.44		1.64	2.82	8.59	6.65	.97	
	2016	w	8.87		1.72	2.95	8.88	7.08	1.01	
	D i s t r i b u t i o n	Produ-1988	w/o	1400		1610	2629	969	284	6006
ction 1992		w/o	1400		1610	2619	963	280	6006	
Cost 1996		w/o	1400		1610	2609	957	275	5916	
(peso 2006		w/o	1400		1610	2568	940	271	5737	
/ton) 2016		w/o	1400		1610	2547	929	262	5558	
1992		w	1400		1610	2619	963	280	6006	
1996		w	1400		1610	2607	956	275	5916	
2006		w	1400		1610	2563	935	270	5709	
2016		w	1400		1610	2537	918	261	5502	
Gate Price w			3500		2800	6800	4000	1500	36000	
Mill Avail'ty (Y/N)		N								
		Per-Capita	Per-Capita	Tran-						
		in Base Yr	Growth Rt.	sition						
		w/o	w	w/o	w	Period				
Non-Agr. Commodity		.0009	.0013	2.5	2.5	3.0				
Passenger Trip		.04	.06	3.0	3.0	3.0				

Road Number		B8-9 (AGUSAN DEL NORTE)								
Population		1988	1992	1996	2006	2016				
		1111	1222	1336	1608	1840				
Ave. Travel Distance		Agric Non-A		Pass.						
		1.5		1.5						
		Car	Jpney	Bus	Truck	Tricy	M-Cyc	Animl	Walkg	Boat
M o d e l	Agric. 1988	w/o						90.0	10.0	
	Commo-1992	w/o						90.0	10.0	
	dity 1996	w/o						90.0	10.0	
	2006	w/o						90.0	10.0	
	2016	w/o						90.0	10.0	
	1992	w	25.0	45.0		30.0				
	1996	w	25.0	45.0		30.0				
	2006	w	25.0	45.0		30.0				
	2016	w	25.0	45.0		30.0				
	D i s t r i b u t i o n	Non- 1988	w/o						80.0	20.0
Agric. 1992		w/o						80.0	20.0	
Commo-1996		w/o						80.0	20.0	
dity 2006		w/o						80.0	20.0	
2016		w/o						80.0	20.0	
1992		w	30.0	50.0		15.0	5.0			
1996		w	30.0	50.0		15.0	5.0			
2006		w	30.0	50.0		15.0	5.0			
2016		w	30.0	50.0		15.0	5.0			
(%)		Pass- 1988	w/o							100.0
	enger 1992	w/o							100.0	
	1996	w/o							100.0	
	2006	w/o							100.0	
	2016	w/o							100.0	
	1992	w	15.0	65.0		20.0				
	1996	w	15.0	65.0		20.0				
	2006	w	15.0	65.0		20.0				
	2016	w	15.0	65.0		20.0				
	A g r i c u l t u r e	Irrig 1988	w/o							
Rainf 1992		w/o								
Palay 1996		w/o								
Palay 2006		w/o								
Palay 2016		w/o								
1992		w	50.0			50.0	120.0	50.0		
1996		w	50.0			50.0	120.0	50.0		
2006		w	58.0			58.0	120.0	50.0		
2016		w	69.2			69.2	120.0	50.0		
2016		w	70.0			70.0	120.0	50.0		
C o n s u m e r y	Yield 1988	w/o	1.50			1.50	1.00	4.00		
	(ton/ 1992	w/o	1.53			1.53	1.05	4.20		
	ha) 1996	w/o	1.56			1.56	1.12	4.40		
	2006	w/o	1.63			1.63	1.25	4.60		
	2016	w/o	1.70			1.70	1.40	5.00		
	1992	w	1.53			1.53	1.05	4.20		
	1996	w	1.63			1.63	1.28	4.60		
	2006	w	1.92			1.92	1.93	6.00		
	2016	w	2.20			2.20	2.60	7.00		
	P r o d u c t i o n	Produ-1988	w/o	1874			1610	2477	328	
ction 1992		w/o	1869			1610	2453	323		
Cost 1996		w/o	1864			1610	2453	319		
(peso 2006		w/o	1853			1610	2453	315		
/ton) 2016		w/o	1841			1610	2453	306		
1992		w	1869			1610	2453	323		
1996		w	1852			1610	2453	315		
2006		w	1807			1610	2746	284		
2016		w	1760			1610	2609	262		
Gate Price		w		3500			2800	6800	1500	
Mill Avail'ty (Y/N)		N								
		Per-Capita		Per-Capita		Tran-				
		in Base Yr		Growth Rt.		sition				
		w/o	w	w/o	w	Period				
Non-Agr. Commodity		.0008	.0013	2.5	2.5	3.0				
Passenger Trip		.04	.06	3.0	3.0	3.0				