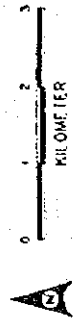


JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND WIND LOW CONTROL FOR
 SACORINA HAMBAN/AMAGAN RIVERS, INCORPORATING
 FROM MT. SINGAPORE



LEGEND:

▲	THREATENED	◆	AFFECTED/	→	ROUTE DIRECTION
○	UNAFFECTED	○	ORIGIN		
②	TO ANGELES	②	DESTINATION (w/		
			NO. OF HOUSEHOLDS)		
②	TO ANGELES	②	SAME CITY		
			(OTHER BARANGAY)		

HOUSEHOLD EVACUATED BY MUNICIPALITY
 OF PRESENT RESIDENCE AND BY
 MUNICIPALITY OF DESTINATION

ANGELES CITY

FIGURE NO

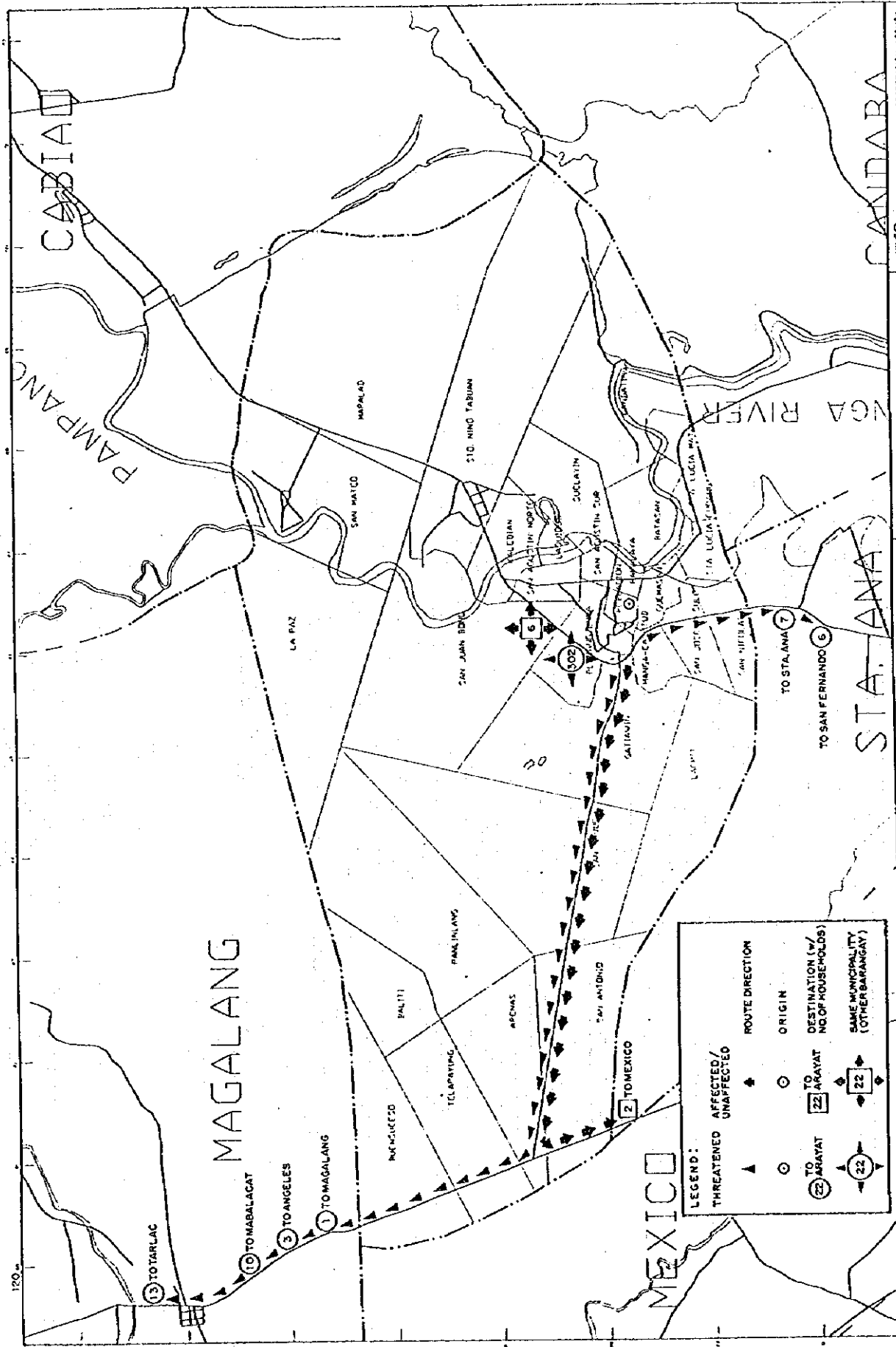


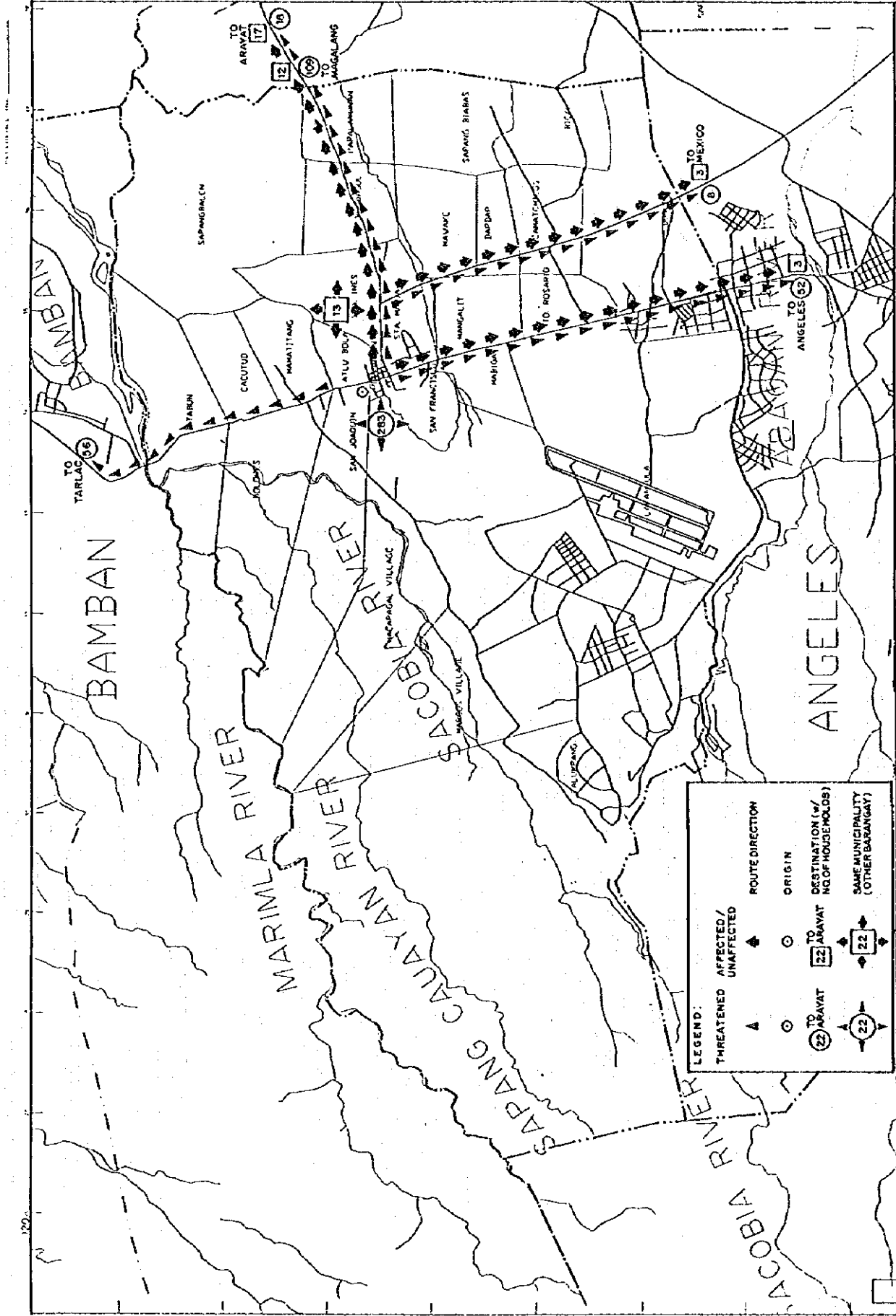
FIGURE NO. _____

ARAYAT, PAMPANGA

HOUSEHOLD EVACUATED BY MUNICIPALITY OF PRESENT RESIDENCE AND BY MUNICIPALITY OF DESTINATION

SCALE: 0 1 2 3 KILOMETER

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MUDFLOW CONTROL FOR SACOBIA RANIBAY/ARAYAT RIVERS, GRABING, FROM MT. PULITANO



JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MUDFLOW CONTROL FOR
 SACOBIA-BAMBAN/ARAYAT RIVER BASIN
 FROM MT. PINATURO

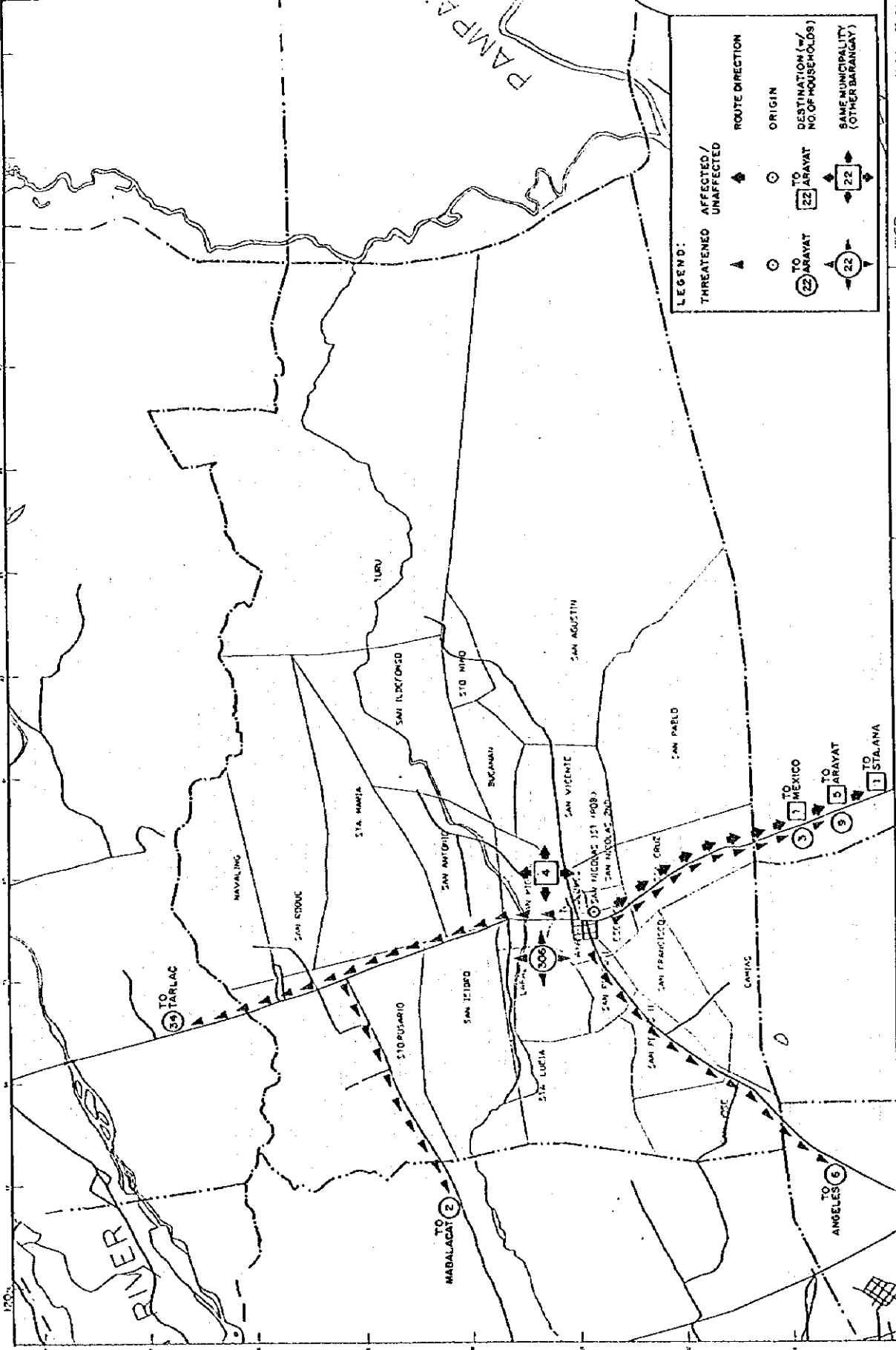
0 1 2 3
 KILOMETER

HOUSEHOLD EVACUATED BY MUNICIPALITY
 OF PRESENT RESIDENCE AND BY
 MUNICIPALITY OF DESTINATION

MABALACAT, PAMPANGA

FIGURE NO.

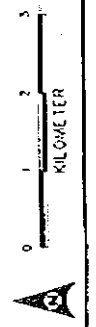
LEGEND:
 THREATENED
 ▲
 AFFECTED
 ○
 UNAFFECTED
 ○
 ROUTE DIRECTION
 TO ARAYAT
 TO ARAYAT
 TO ARAYAT
 TO ARAYAT
 ORIGIN
 DESTINATION (w/
 NO. OF HOUSEHOLDS)
 SAME MUNICIPALITY
 (OTHER BAWANGAY)



LEGEND:

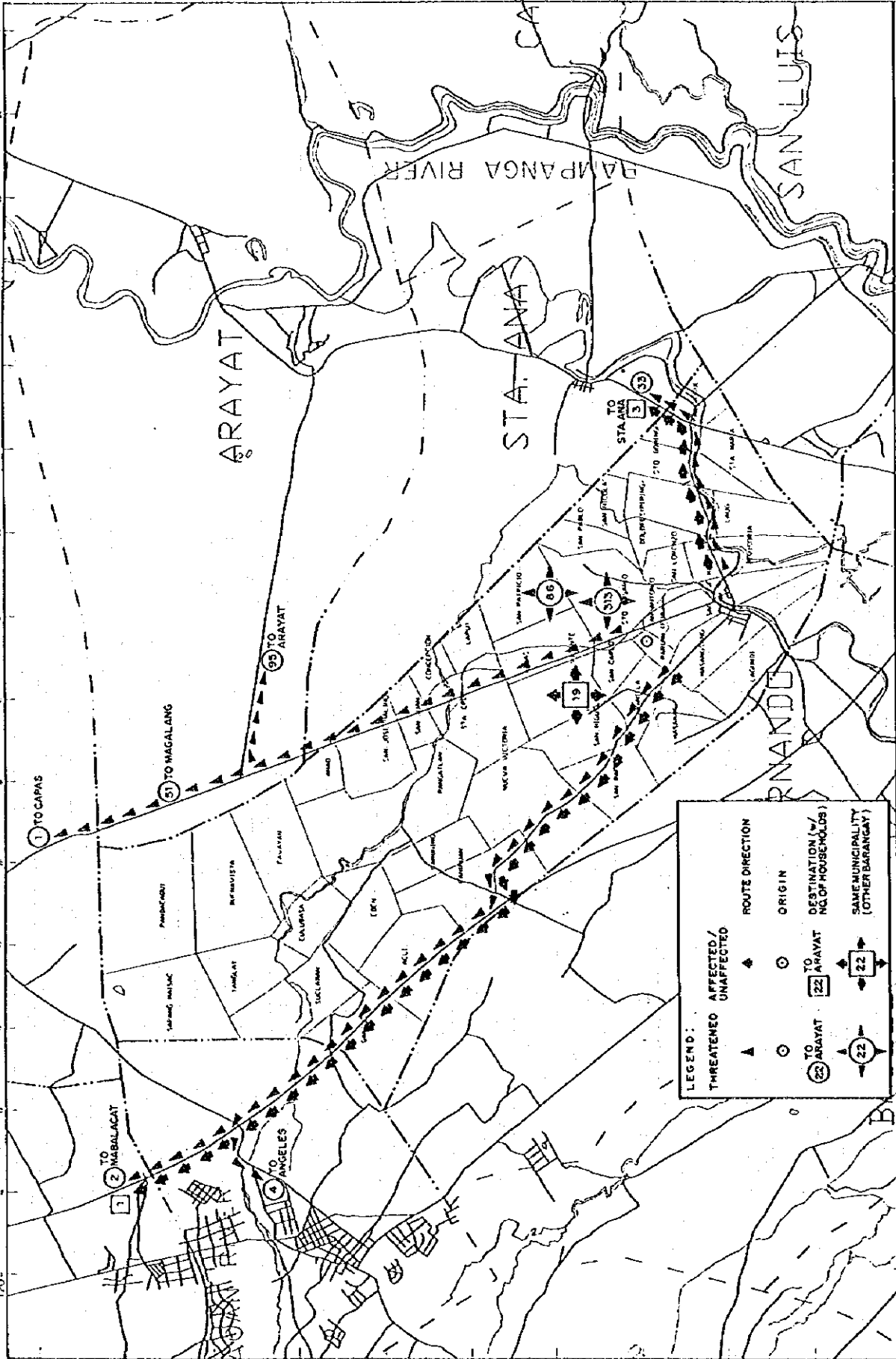
▲	THREATENED	◆	AFFECTED / UNAFFECTED	→	ROUTE DIRECTION
○		○		○	ORIGIN
②②	TO ARAYAT	②②	TO ARAYAT	②②	DESTINATION (w/ NO. OF HOUSEHOLDS)
②②		②②		②②	SAME MUNICIPALITY (OTHER BARANGAY)

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MUDFLOW CONTROL FOR
 SAGORAI-BARANGAY (SAGORAI, BARANGAY)
 PAMPANGA (PHILIPPINES)

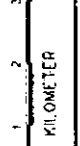


HOUSEHOLD EVACUATED BY MUNICIPALITY
 OF PRESENT RESIDENCE AND BY
 MUNICIPALITY OF DESTINATION

FIGURE NO. _____
 MAGALANG, PAMPANGA



JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND WIDE LOW CORRIDOR FOR
 SACUBA RAMPAN/ARAYAN RIVERS, DENLING
 FROM ST. PINKA TUBI



HOUSEHOLD EVACUATED BY MUNICIPALITY
 OF PRESENT RESIDENCE AND BY
 MUNICIPALITY OF DESTINATION

MEXICO, PAMPANGA

FIGURE NO.

REFERENCE NO.

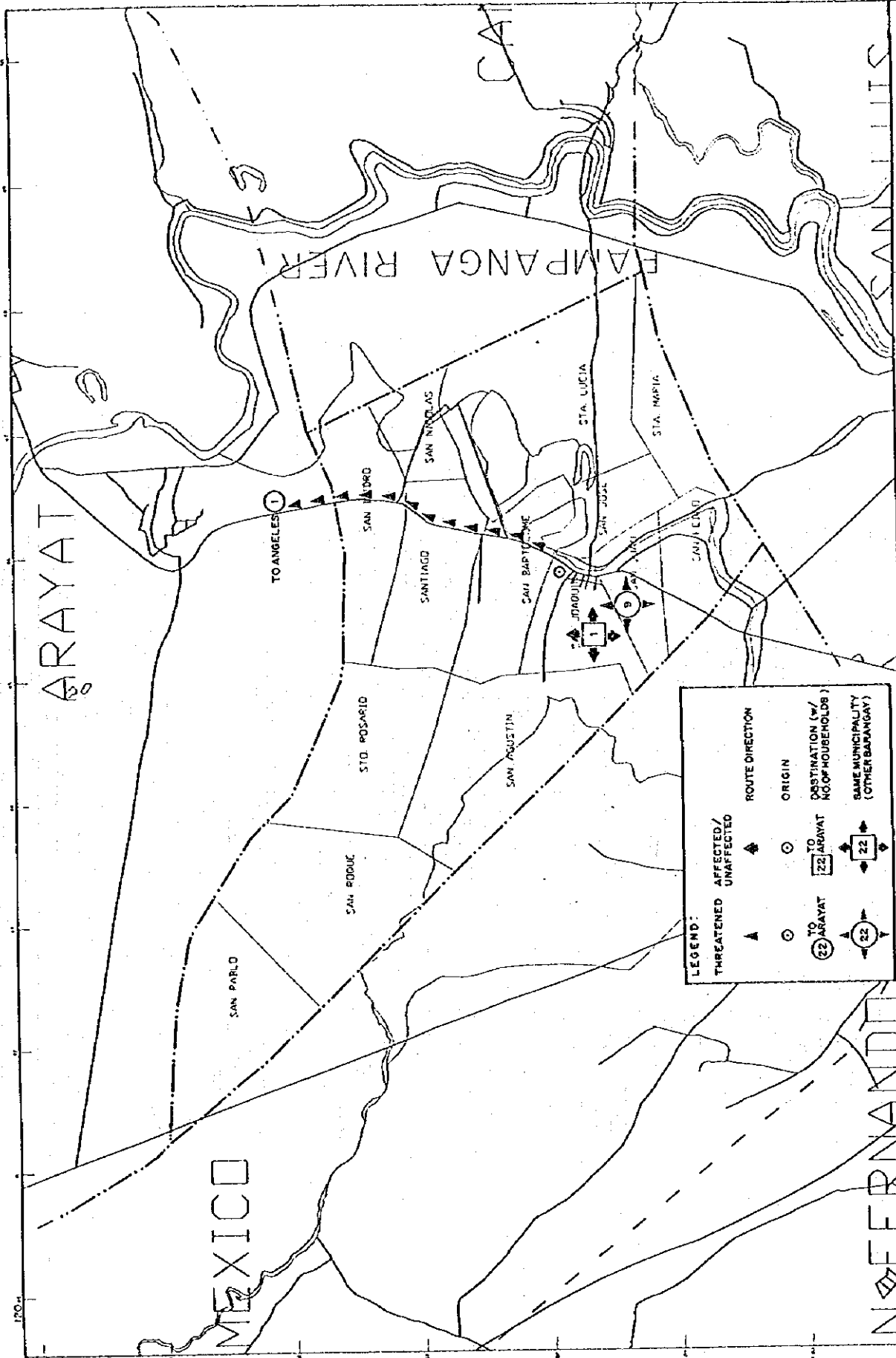
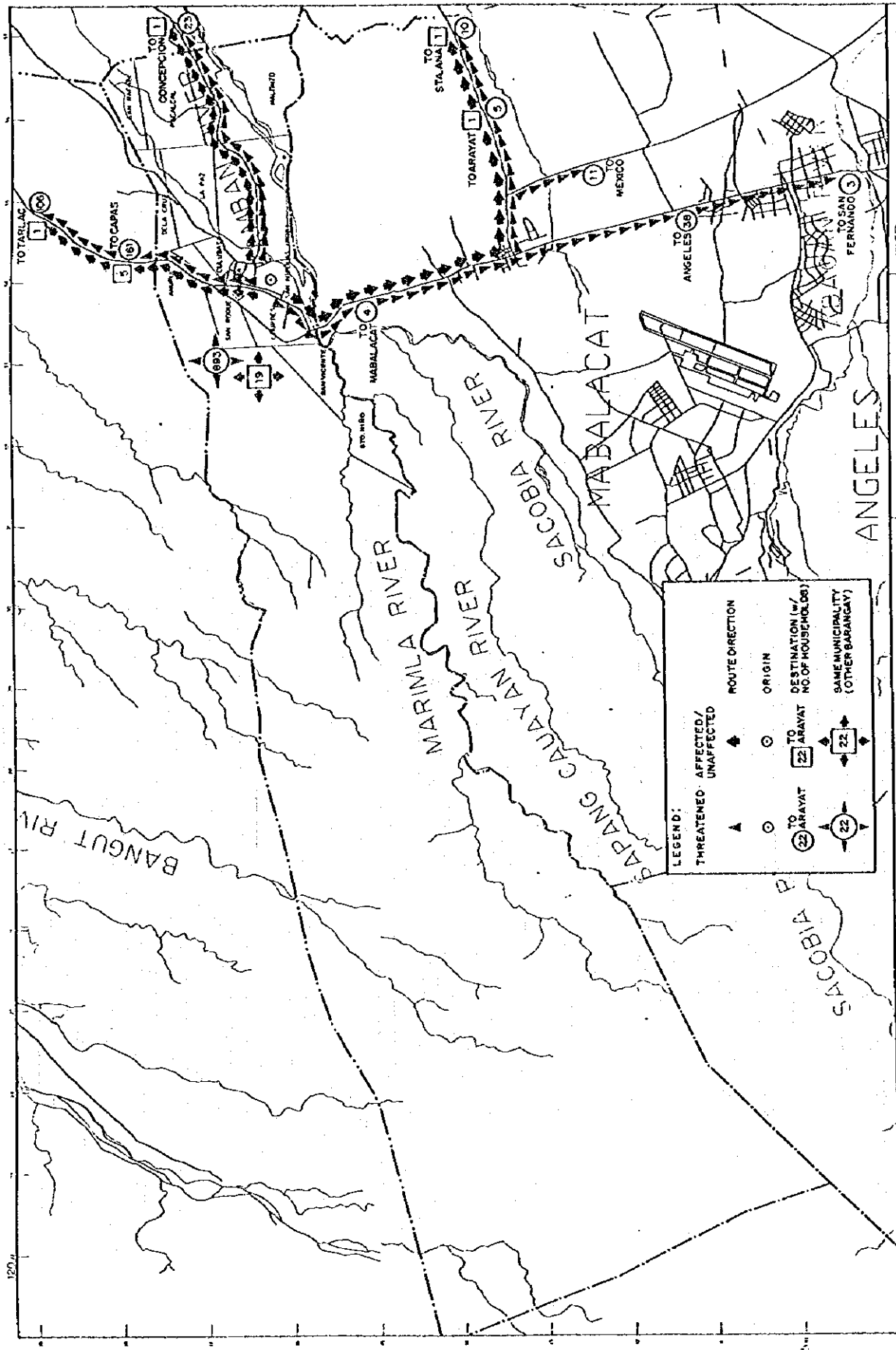


FIGURE NO. STA. ANA, PAMPANGA

HOUSEHOLD EVACUATED BY MUNICIPALITY OF PRESENT RESIDENCE AND BY MUNICIPALITY OF DESTINATION

SCALE: 0 1 2 3 KILOMETER

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND WATERSHED CONTROL FOR SACUBIA-KAMRAN/ARAYAN RIVERS, PAMPANGA FROM M. DINA LUNA



LEGEND:

▲	THREATENED	▲	AFFECTED/ UNAFFECTED	▲	ROUTE DIRECTION
○	TO ARAYAT	○	TO ARAYAT	○	ORIGIN
○	TO ARAYAT	○	TO ARAYAT	○	DESTINATION (w/ NO. OF HOUSEHOLDS)
○	TO ARAYAT	○	TO ARAYAT	○	SAME MUNICIPALITY (OTHER BARANGAY)

FIGURE NO

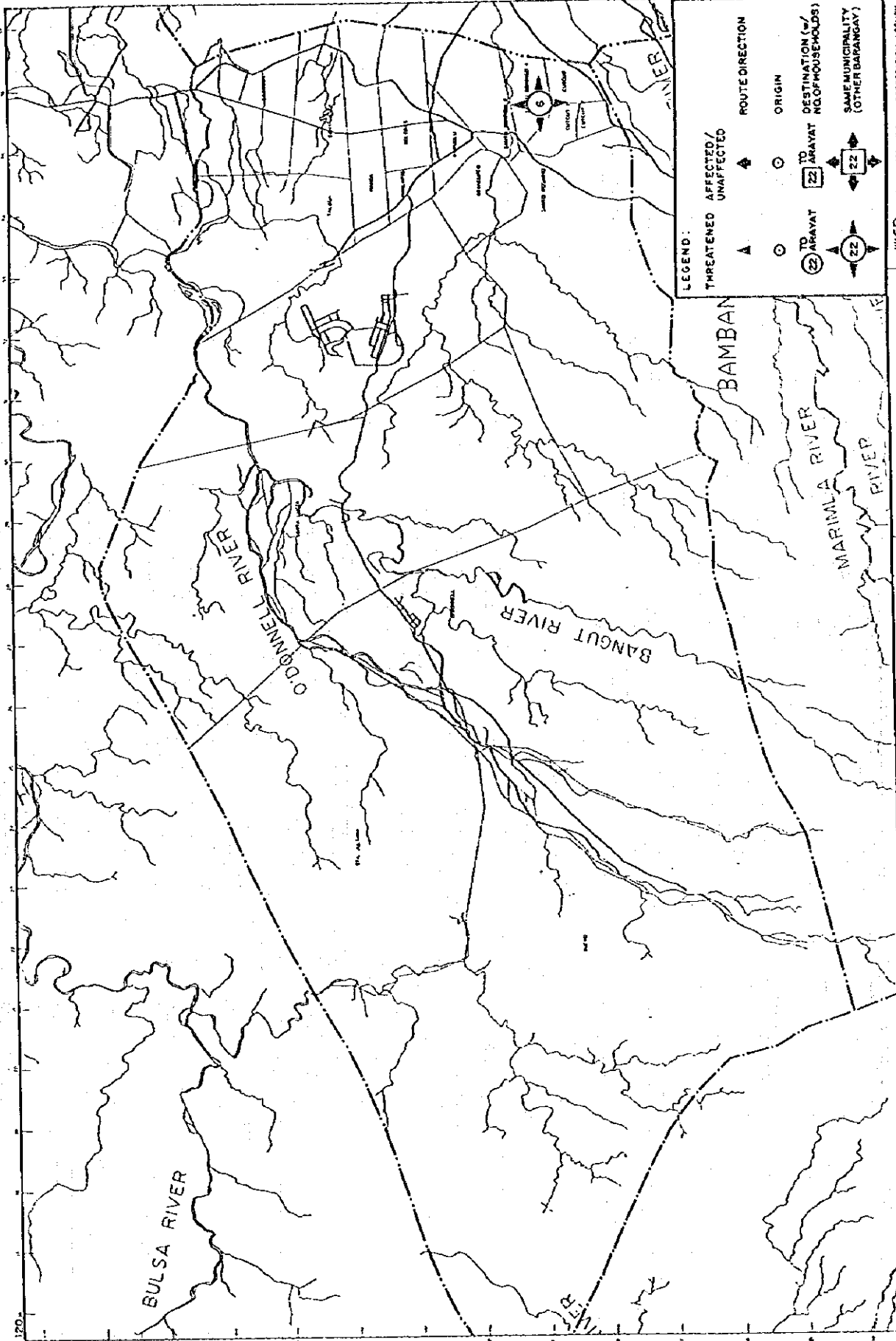
BAMBAN, TARLAC

HOUSEHOLD EVACUATED BY MUNICIPALITY OF PRESENT RESIDENCE AND BY MUNICIPALITY OF DESTINATION

0 1 2 3
MILOMETER

JICA: JAPAN INTERNATIONAL COOPERATION AGENCY
STUDY ON FLOOD AND LANDSLIDE CONTROL FOR SACOBIA RIVER (MARIMLA, SAPANG CAYAYAN RIVERS, MARIMLA FROM NATI, IPIAL, IPIED)

KILOMETER NO.



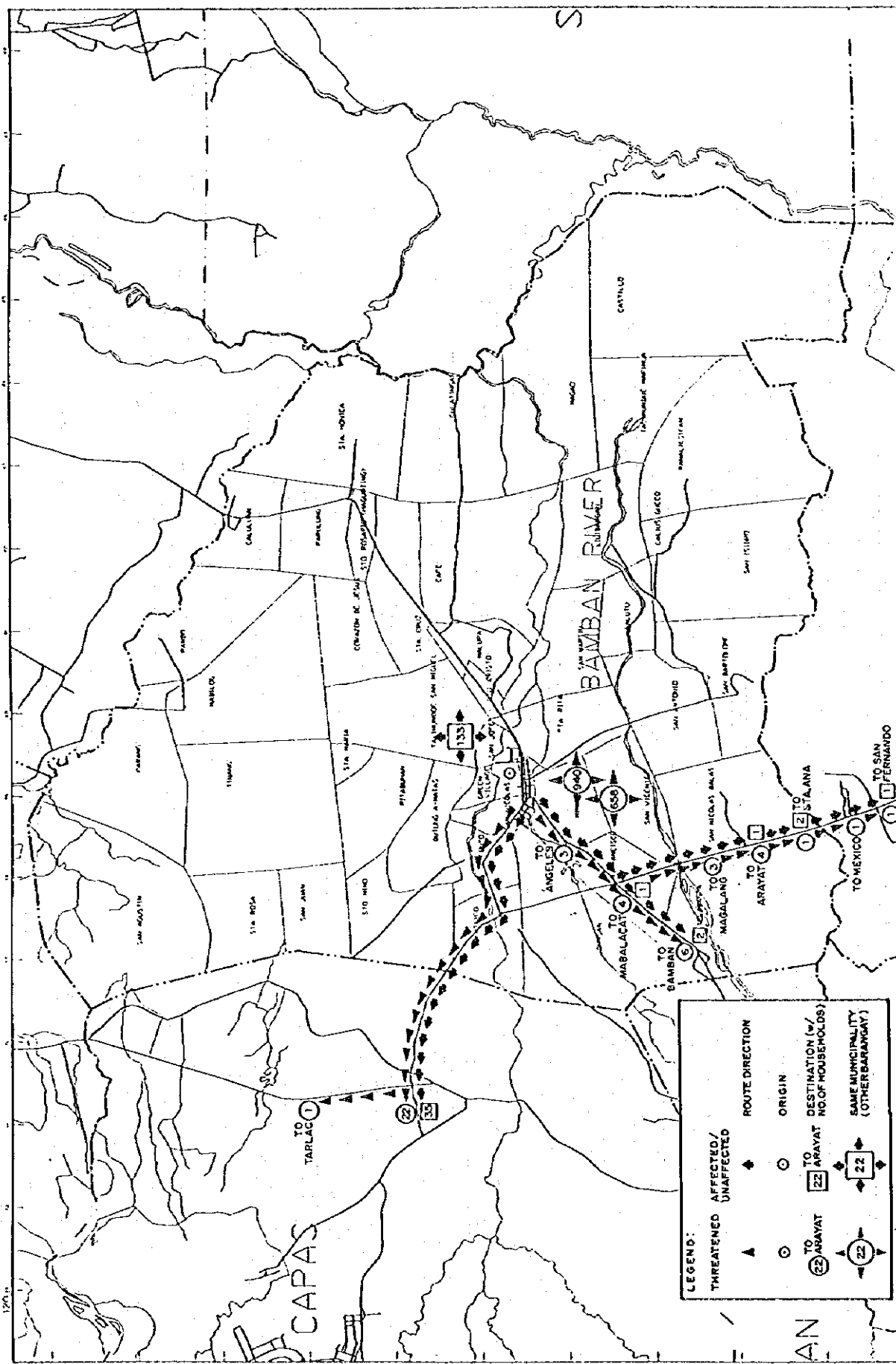
JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MUDFLOW CONTROL FOR
 JACOBIA-BAMBAN/ARAYAT RIVERS, DRAWING
 FROM MT. PHALING

0 1 2 3
 KILOMETER

HOUSEHOLD EVACUATED BY MUNICIPALITY
 OF PRESENT RESIDENCE AND BY
 MUNICIPALITY OF DESTINATION

CAPAS, TARLAC

FIGURE NO

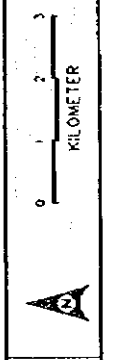


HOUSEHOLD EVACUATED BY MUNICIPALITY OF PRESENT RESIDENCE AND BY MUNICIPALITY OF DESTINATION

CONCEPCION, TARLAC

FIGURE NO

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND WIDELAND CONTROL FOR
 SACORBA-RAMAMPARAKAN RIVER TRAINING
 FROM MT. PINA LUBO



PART V

EMPLOYMENT/LIVELIHOOD



Employment Rate (1/6)

Province/Municipality/ Barangay	In the Labor Force		Total	Employment Rate (%)
	Employed	Not Employed		
PAMPANGA and TARLAC	233,263	89,627	322,890	72.2
Threatened barangays	58,483	24,767	83,250	70.2
Affected barangays	38,660	18,240	56,900	67.9
Unaffected barangays	136,120	46,620	182,740	74.5
<i>% Share</i>	<i>72.2</i>	<i>27.8</i>	<i>100.0</i>	
PAMPANGA PROVINCE	191,734	66,572	258,306	74.2
Threatened Barangays	35,334	11,372	46,706	75.7
Affected Barangays	24,380	10,780	35,160	69.3
Unaffected Barangays	132,020	44,420	176,440	74.8
<i>% Share</i>	<i>74.2</i>	<i>25.8</i>	<i>100.0</i>	
Angeles City	70,248	29,468	99,717	70.4
<i>Threatened</i>	<i>6,648</i>	<i>1,809</i>	<i>8,457</i>	<i>78.6</i>
Capaya	1,198	195	1,393	86.0
Pandan	2,939	1,091	4,030	72.9
Salapungan	2,109	487	2,596	81.2
Tabun	402	36	438	91.8
<i>Affected</i>	<i>17,020</i>	<i>7,680</i>	<i>24,700</i>	<i>68.9</i>
Anunas	1,780	980	2,760	64.5
Claro M. Recto	2,640	1,180	3,820	69.1
Cuayan	260	160	420	61.9
Cutcut	4,920	840	5,760	85.4
Margot	620	600	1,220	50.8
Pulung Maragui	2,320	1,660	3,980	58.3
San Nicolas	480	440	920	52.2
Santa Trinidad	2,280	740	3,020	75.5
Sapalibutad	800	680	1,480	54.1
Amsic	920	400	1,320	69.7
<i>Unaffected</i>	<i>46,580</i>	<i>19,980</i>	<i>66,560</i>	<i>70.0</i>
Agapito del Rosario	940	580	1,520	61.8
Balibago	11,720	3,020	14,740	79.5
Cutud	300	380	680	44.1
Lourdes Northwest	5,120	1,100	6,220	82.3
Lourdes Sur	2,140	760	2,900	73.8
Lourdes Sur East	1,500	900	2,400	62.5
Malabanias	3,540	2,420	5,960	59.4
Mining	380	60	440	86.4
Pampang	1,340	900	2,240	59.8
Pulungbulu	3,340	240	3,580	93.3
Pulung Cacutud	400	280	680	58.8
San Jose	2,040	1,260	3,300	61.8
Santa Teresita	3,580	1,780	5,360	66.8
Santo Cristo	1,160	640	1,800	64.4
Santo Domingo	2,740	320	3,060	89.5
Santo Rosario (Pob.)	1,400	580	1,980	70.7
Sapangbato	1,480	2,520	4,000	37.0

NOTE: Population in affected and unaffected barangays were estimated based on 5% sampling survey of households.

Employment Rate (2/6)

Province/Municipality/ Barangay	In the Labor Force		Total	Employment Rate (%)
	Employed	Not Employed		
Virgen delos Remedios	640	180	820	78.0
Ninoy Aquino (Marisol)	2,820	2,060	4,880	57.8
Arayat	28,417	7,351	35,768	79.4
Threatened	10,177	2,611	12,788	79.6
Batasan	882	101	983	89.7
Candating	987	430	1,417	69.7
Laquious	516	252	768	67.2
Mapalad	849	153	1,002	84.7
Poblacion	630	489	1,119	56.3
San Agustin Sur	485	148	633	76.6
San Mateo	1,912	84	1,996	95.8
Santa Lucia Cupang	745	526	1,271	58.6
Santa Lucia Matamo	620	26	646	96.0
Santo Nino Tabuan	874	85	959	91.1
Suclayin	729	206	935	78.0
Telapayung	948	111	1,059	89.5
Unaffected	18,240	4,740	22,980	79.4
Arenas	1,240	200	1,440	86.1
Baliti	740	0	740	100.0
Buensuceso	160	60	220	72.7
Galiwin	900	400	1,300	69.2
Guemasan	1,320	280	1,600	82.5
La Paz (Turu)	240	60	300	80.0
Lacmit	860	240	1,100	78.2
Manga-Cacutud	3,380	740	4,120	82.0
Paniriang	320	300	620	51.6
Paralaya	280	40	320	87.5
Piazang Luma	1,000	160	1,160	86.2
San Agustin Norte	680	140	820	82.9
San Antonio	780	80	860	90.7
San Jose Mesulo	2,820	240	3,060	92.2
San Juan Baro	1,320	340	1,660	79.5
San Nicolas	1,000	420	1,420	70.4
San Roque (Bitas)	640	500	1,140	56.1
Kaledian (Camba)	560	540	1,100	50.9
Mabalacat	42,351	14,484	56,835	74.5
Threatened	1,911	664	2,575	74.2
Dolores	88	44	132	66.7
Mamatlang	473	298	771	61.3
San Joaquin	1,350	322	1,672	80.7
Affected	2,000	800	2,800	71.4
Cacutud	420	80	500	84.0
Macapagal Village	200	160	360	55.6
Marcos Village	100	100	200	50.0
Santa Ines	1,280	460	1,740	73.6
Unaffected	38,440	13,020	51,460	74.7
Atu Bola	540	80	620	87.1
Bical	880	320	1,200	73.3

Employment Rate (3/6)

Province/Municipality/ Barangay	In the Labor Force		Total	Employment Rate (%)
	Employed	Not Employed		
Bundagui	360	80	440	81.8
Camalchiles	1,500	40	1,540	97.4
Dagdap	180	40	220	81.8
Dau	21,160	6,420	27,580	76.7
Duquit	1,080	60	1,140	94.7
Lakandula	2,540	2,420	4,960	51.2
Mabiga	3,180	900	4,080	77.9
Mangalit	300	100	400	75.0
Mawake	140	40	180	77.8
Paralayunan	180	80	260	69.2
Poblacion	760	340	1,100	69.1
San Francisco	3,600	1,260	4,860	74.1
Santa Maria	700	300	1,000	70.0
Santo Rosario	920	460	1,380	66.7
Sapang Biabas	420	80	500	84.0
Magalang	18,044	2,672	20,716	87.1
<i>Threatened</i>	<i>2,584</i>	<i>332</i>	<i>2,916</i>	<i>88.6</i>
Navalng	351	117	468	75.0
San Roque	1,119	27	1,146	97.6
Santo Rosario	878	111	989	88.8
Turu	236	77	313	75.4
<i>Unaffected</i>	<i>15,460</i>	<i>2,340</i>	<i>17,800</i>	<i>86.9</i>
Camias	460	0	460	100.0
Dolores	200	20	220	90.9
Escaler	440	0	440	100.0
La Paz	260	0	260	100.0
San Agustin	420	0	420	100.0
San Antonio	300	0	300	100.0
San Francisco	1,080	120	1,200	90.0
San Idefonso	1,920	280	2,200	87.3
San Isidro	400	0	400	100.0
San Jose	760	20	780	97.4
San Miguel	780	140	920	84.8
San Nicolas 1st (Pob.)	820	240	1,060	77.4
San Nicolas 2nd	900	540	1,440	62.5
San Pablo (Pob.)	180	40	220	81.8
San Pedro I	660	40	700	94.3
San Pedro II	920	160	1,080	85.2
San Vicente	960	40	1,000	96.0
Santa Cruz (Pob.)	1,360	300	1,660	81.9
Santa Lucia	360	0	360	100.0
Santa Maria	660	180	840	78.6
Santo Nino	460	100	560	82.1
Bucanan	520	0	520	100.0
Ayala	640	120	760	84.2
Mexico	20,125	9,000	29,125	69.1
<i>Threatened</i>	<i>9,405</i>	<i>4,100</i>	<i>13,505</i>	<i>69.6</i>
Acti	303	72	375	80.8
Anao	528	400	928	56.9
Buena Vista	278	84	362	76.8
Camuning	400	145	545	73.4

Employment Rate (4/6)

Province/Municipality/ Barangay	In the Labor Force		Total	Employment Rate (%)
	Employed	Not Employed		
Cawayan	157	98	255	61.6
Culubasa	617	133	750	82.3
Divisoria	291	212	503	57.9
Dolores	388	77	465	83.4
Eden	164	38	202	81.2
Gandus	119	101	220	54.1
Masangsang	584	270	854	68.4
Pangatian	463	116	579	80.0
San Carlos	518	348	866	59.8
San Jose Maíno	901	262	1,163	77.5
San Juan	716	459	1,175	60.9
San Nicolas	326	89	415	78.6
San Vicente	916	373	1,289	71.1
Santa Cruz	417	234	651	64.1
Santa Maria	524	148	672	78.0
Santo Domingo	401	291	692	57.9
Suciaban	165	106	271	60.9
Tanglay	229	44	273	83.9
Affected	5,360	2,300	7,660	70.0
Balas	280	240	520	53.8
Concepcion	440	180	620	71.0
San Antonio	1,060	420	1,480	71.6
San Jose Matulid	740	360	1,100	67.3
San Lorenzo	560	320	880	63.6
San Pablo	300	280	580	51.7
San Patricio	1,300	280	1,580	82.3
Santo Rosario	680	220	900	75.6
Unaffected	5,360	2,600	7,960	67.3
Lagundi	760	440	1,200	63.3
Laug	400	260	660	60.6
Masamat	180	100	280	64.3
Nueva Victoria	160	120	280	57.1
Pandacaqui	400	140	540	74.1
Paripuan	320	140	460	69.6
Parian (Pop.)	1,200	700	1,900	63.2
Sabanilla	340	140	480	70.8
San Miguel	400	180	580	69.0
San Rafael	200	100	300	66.7
San Roque	220	100	320	68.8
Sapang Maisac	780	180	960	81.3
Sta. Ana	12,549	3,596	16,145	77.7
Threatened	4,609	1,856	6,465	71.3
San Agustin	521	215	736	70.8
San Bartolome	226	242	468	48.3
San Joaquin	1,192	147	1,339	89.0
San Juan	492	225	717	68.6
San Pedro	196	166	362	54.1
San Roque	698	319	1,017	68.6
Santiago	874	515	1,389	62.9
Santo Rosario	410	27	437	93.8

Employment Rate (5/6)

Province/Municipality/ Barangay	In the Labor Force		Total	Employment Rate (%)
	Employed	Not Employed		
<i>Unaffected</i>	7,940	1,740	9,680	82.0
San Isidro	1,780	280	2,060	86.4
San Jose	600	240	840	71.4
San Nicolas	1,900	60	1,960	96.9
San Pablo	1,760	40	1,800	97.8
Santa Lucia	1,700	0	1,700	100.0
Santa Maria	200	1,120	1,320	15.2
TARLAC PROVINCE	41,529	23,055	64,584	64.3
Threatened Barangays	23,149	13,395	36,544	63.3
Affected Barangays	14,280	7,460	21,740	65.7
Unaffected Barangays	4,100	2,200	6,300	65.1
% Share	64.3	35.7	100.0	
Bamban	4,830	5,363	10,193	47.4
<i>Threatened</i>	2,990	3,463	6,453	46.3
Anupul	1,591	1,857	3,448	46.1
Culubasa	4	5	9	44.4
Dela Cruz	231	274	505	45.7
La Paz	166	128	294	56.5
Lourdes	172	284	456	37.7
V delos Remedios (Pacalcal)	159	223	382	41.6
San Rafael	159	199	358	44.4
San Roque	175	198	373	46.9
San Vicente	159	133	292	54.5
Santo Nino	174	162	336	51.8
<i>Affected</i>	1,840	1,900	3,740	49.2
Banaba	200	280	480	41.7
San Nicolas (Pob.)	1,640	1,620	3,260	50.3
Capas	5,759	1,603	7,362	78.2
<i>Threatened</i>	4,399	1,583	5,982	73.5
Cubcub (Pob.)	666	153	819	81.3
Cutcut 1st	1,206	673	1,879	64.2
Cutcut 2nd	455	137	592	76.9
Sto. Domingo 1st	420	245	665	63.2
Sto. Domingo 2nd	787	174	961	81.9
Sto. Rosario	865	201	1,066	81.1
<i>Affected</i>	920	20	940	97.9
Aranguren	920	20	940	97.9
<i>Unaffected</i>	440	0	440	100.0
Marugu	440	0	440	100.0

Employment Rate (6/6)

Province/Municipality/ Barangay	In the Labor Force		Total	Employment Rate (%)
	Employed	Not Employed		
Concepcion	30,940	16,089	47,029	65.8
<i>Threatened</i>	<i>15,760</i>	<i>8,349</i>	<i>24,109</i>	<i>65.4</i>
Cafe	686	21	707	97.0
Corazon de Jesus	317	191	508	62.4
Cuatingan	621	56	677	91.7
Dungan	187	95	282	66.3
Jefmin (Dutung-A-Matas)	850	284	1,134	75.0
Mabilog	698	76	774	90.2
Parutung	260	251	511	50.9
Pitabunan	318	126	444	71.6
San Francisco	1,504	1,034	2,538	59.3
San Jose (Pob.)	1,963	962	2,925	67.1
San Nicolas (Pob.)	904	354	1,258	71.9
Sto. Nino	497	322	819	60.7
Sta. Cruz	911	748	1,659	54.9
Sta. Maria	159	79	238	66.8
Sta. Monica	1,283	554	1,837	69.8
Sta. Rosa	676	409	1,085	62.3
Santiago	696	545	1,241	56.1
Sto. Rosario (Magunting)	312	210	522	59.8
Talinunduc Marimla	316	278	594	53.2
Telabanca	302	121	423	71.4
Tinang	741	784	1,525	48.6
Alfonso	1,161	633	1,794	64.7
Green Village	398	216	614	64.8
<i>Affected</i>	<i>11,520</i>	<i>5,540</i>	<i>17,060</i>	<i>67.5</i>
Balutu	1,820	680	2,500	72.8
Cafus Gueco	360	220	580	62.1
Castillo	600	460	1,060	56.6
Lilibangan	220	80	300	73.3
Magao	1,100	240	1,340	82.1
Malupa	360	140	500	72.0
Minane	1,320	820	2,140	61.7
Panaicsican	260	140	400	65.0
San Antonio	900	600	1,500	60.0
San Bartolome	620	380	1,000	62.0
San Isidro (Almendras)	880	620	1,500	58.7
San Martin	320	220	540	59.3
San Nicolas Balas	960	320	1,280	75.0
Sta. Rita	1,420	480	1,900	74.7
San Vicente	380	140	520	73.1
<i>Unaffected</i>	<i>3,660</i>	<i>2,200</i>	<i>5,860</i>	<i>62.5</i>
Cakuluan	1,120	1,200	2,320	48.3
Pando	980	260	1,240	79.0
San Juan (Castro)	1,000	440	1,440	69.4
Sto. Cristo	260	120	380	68.4
Talinunduc San Miguel	300	180	480	62.5

Employed Persons at Least 15 Years Old by Major Occupation (1/9)

Province/Municipality Barangay	Profl Tech'l & Rel Work	Admini. Exec & Mgr'l Worker	Cler'l & Other Related Workers	Sales Workers	Cooks	Walters, Barten ders & Related	House helpers & Laundry women etc.	Beauti cian, barber etc.	Farmers, fisher men, etc.	Tailors, d'makers etc.	Elec- trician	Black- smiths, Welders	Motor vehicle drvrs	Auto Mechs & related workers	Basketry weavers & related workers	Others	Total
Pampanga and Tarlac	13,721	3,396	10,957	32,464	2,223	3,725	8,398	7,787	30,200	11,760	3,403	2,860	23,195	4,628	6,113	74,440	233,263
Threatened barangay	1,770	393	1,401	4,289	400	331	1,647	394	7,010	2,153	414	445	3,547	593	610	19,996	58,483
Affected barangays	2,267	693	2,091	5,758	321	1,084	1,659	740	5,571	2,069	675	736	4,516	1,064	1,591	13,208	38,660
Unaffected barangay	9,684	2,310	7,465	22,417	1,502	2,310	4,892	6,653	17,619	7,538	2,314	1,479	15,132	2,981	2,912	41,236	136,120
Pampanga	12,245	2,946	10,177	29,616	2,148	2,803	7,065	7,668	24,040	10,722	3,081	2,311	21,295	4,070	6,007	67,601	191,734
Threatened barangay	1,720	381	1,359	4,145	394	321	1,595	382	6,813	2,111	398	433	3,418	565	606	10,605	35,334
Affected barangays	1,062	446	1,571	3,554	284	267	738	565	1,323	1,198	401	430	3,157	648	1,469	7,247	24,380
Unaffected barangay	9,463	2,118	7,247	21,817	1,470	2,215	4,792	6,621	15,904	7,413	2,282	1,448	14,720	2,857	2,912	39,749	132,020
Angeles City	4,450	1,279	4,077	11,701	949	1,304	1,934	1,487	1,713	2,742	1,137	860	8,776	1,591	4,268	22,000	70,248
Threatened	398	123	371	936	175	85	270	82	120	268	76	78	845	168	473	2,290	6,648
Capaya	16	9	37	212	21	11	102	21	35	32	10	27	157	98	98	391	1,198
Pandan	165	71	114	377	86	35	75	29	33	130	29	27	408	74	198	1,088	2,939
Salapungan	171	30	152	297	66	33	76	27	23	79	31	16	245	68	78	715	2,109
Tabun	46	13	18	50	2	6	17	5	29	27	6	6	35	7	39	96	402
Affected	787	317	1,028	2,734	191	225	391	429	417	798	238	360	2,417	438	1,469	4,791	17,020
Anunas	41	0	20	225	0	0	0	0	102	0	0	0	307	0	573	512	1,780
Claro M. Recto	201	86	230	459	29	86	29	201	0	230	29	0	172	29	0	859	2,640
Cuayan	0	0	0	0	0	0	0	0	65	0	0	0	108	0	22	65	260
Cutcut	216	72	312	504	120	48	120	96	24	264	120	144	1,080	264	0	1,536	4,920
Margot	0	25	25	25	0	25	25	0	25	25	0	0	124	0	0	321	620
Pulang Maragui	190	42	169	443	21	42	63	63	21	169	42	21	316	105	127	486	2,320
San Nicolas	24	0	48	96	0	24	0	0	0	24	24	144	24	0	24	72	480
Santa Trinidad	115	92	161	691	0	0	92	69	0	69	23	20	161	40	438	369	2,280
Sapalbulad	0	0	0	40	0	0	20	0	180	20	0	20	20	40	130	280	800
Antsic	0	0	63	251	21	0	42	0	0	21	0	21	105	0	105	291	920
Unaffected	3,265	839	2,728	8,037	583	994	1,273	976	1,376	1,676	823	422	5,614	985	2,376	14,319	46,680
Agapito Del Rosario	143	41	20	245	0	0	41	41	20	61	0	0	61	0	0	267	940
Balibago	953	252	449	1,991	196	393	449	280	168	393	140	140	1,262	280	449	3,925	11,720
Cubud	0	0	0	43	0	0	21	0	0	0	0	0	64	21	21	130	300
Lourdes North West	481	85	170	820	28	28	57	255	509	283	113	113	594	170	28	1,386	5,120
Lourdes Sur	143	41	265	428	0	0	41	61	20	102	41	0	122	0	20	856	2,140
Lourdes Sur East	0	0	122	486	0	0	20	0	0	101	41	0	203	0	20	507	1,500
Malabanas	185	41	144	741	41	82	62	21	0	185	82	41	391	21	123	1,380	3,540

Employed Persons at Least 15 Years Old by Major Occupation (2/9)

Province/Municipality Barangay	Prof'l Tech'l & Ret'Work	Admini, Exec & Mgr'l Worker	Clerk'l & Other Workers	Sales Workers	Cooks	Waiters Barten ders & Related	House helpers Laundry women	Beauti clan, barber	Farmers, fisher men, etc.	Tailors, d'makers etc.	Elec- trician	Black- smiths, Welders	Motor vehicle drvrs	Auto Mechs & nics	Basketry weavers & related workers	Others	Total
Mining	21	0	0	63	0	0	0	0	21	0	0	0	21	0	127	127	380
Pampang	41	41	20	142	0	0	102	61	142	20	20	0	264	0	41	385	1,340
Pulungbubu	207	21	228	228	62	0	21	21	62	83	41	62	249	21	705	1,329	3,340
Pulung Caculud	0	0	20	80	0	0	0	0	40	80	0	0	143	0	20	80	400
San Jose	306	82	204	306	61	122	61	82	51	76	102	25	482	279	102	571	2,040
Santa Teresita	51	51	406	609	25	203	51	25	51	61	0	0	163	0	41	387	3,580
Santo Cristo	102	20	41	244	0	20	41	20	61	20	181	0	564	20	201	606	2,740
Santo Domingo	141	20	363	584	0	0	40	0	0	47	0	0	163	23	47	491	1,400
Santo Rosario (Pob)	163	0	70	163	47	23	163	21	82	41	21	0	164	21	247	596	1,480
Sapangbato	41	0	0	82	0	41	82	21	0	0	0	0	51	26	102	154	640
Virgen Delos Remedios	102	0	0	179	0	0	0	26	0	0	41	0	473	103	82	700	2,820
Ninoy Aquino (Mans)	185	144	165	597	62	82	21	62	0	62	41	41	0	0	0	0	0
Arayat	1,763	346	893	3,032	82	219	1,274	3,322	6,183	2,107	296	432	2,390	243	78	9,000	28,417
Threatened	361	7	65	257	1,224	36	56	416	79	3,117	999	88	113	764	108	33	2,472 10,17
Balasan	39	7	7	108	2	2	23	18	275	21	7	2	32	9	0	330	882
Candaling	16	1	14	66	5	5	35	6	548	36	10	2	52	7	0	184	987
Lequios	5	0	5	40	0	2	10	7	250	30	5	0	54	6	1	101	516
Marpalad	29	14	37	110	2	6	33	5	235	82	2	11	31	9	0	243	849
Poblacion	65	10	72	133	3	2	6	3	22	14	6	8	70	10	1	205	630
San Agustin Sur	31	13	29	67	2	5	26	5	36	47	9	5	42	18	2	152	485
San Mateo	52	2	26	232	7	14	148	12	737	225	14	58	110	2	2	271	1,912
Santa Lucia Cupang	32	5	13	71	0	3	3	6	148	223	5	3	57	5	0	266	745
Santa Lucia Malamo	14	2	9	81	1	3	10	6	356	122	3	3	108	1	0	109	620
Santo Nino Tabuan	19	4	2	146	2	6	27	4	188	62	6	8	62	12	0	158	874
Suclayan	19	7	16	118	4	6	43	3	188	22	15	3	59	18	0	208	729
Telapayang	40	0	27	52	8	4	52	8	262	115	6	10	77	13	29	245	948
Unaffected	1,402	281	636	1,808	46	164	858	3,243	3,066	1,108	208	319	1,636	135	45	6,628	18,240
Arenas	143	0	0	48	0	0	48	48	143	143	0	0	143	0	0	524	1,240
Baliti	46	0	0	46	46	0	0	0	278	93	0	0	93	0	0	138	740
Buensuceso	0	0	23	0	0	0	0	0	23	0	0	0	46	0	68	160	600
Gatawin	0	0	23	46	0	0	23	23	277	23	0	0	69	23	0	393	900
Guernasan	23	0	114	137	0	0	23	0	137	46	23	0	137	23	0	657	1,320
La Paz (Turu)	24	0	0	0	0	0	24	0	96	24	0	0	0	0	0	72	240
Lacmit	40	20	120	60	0	0	0	0	320	40	0	20	120	0	0	120	860
Manga-Caculud	124	187	104	539	0	21	187	41	228	373	104	83	187	0	0	1,202	3,380

Employed Persons at Least 15 Years Old by Major Occupation (3/9)

Province/Municipality Barangay	Prof'l Tech'l & Rel Work	Admini. Exec & Mg'l Worker	Cler'l & Other Workers	Sales Workers	Cooks	Waiters Bartn ders & Related	House helpers & Laundry women	Beautl clan, barber	Farmers, fisher men, etc.	Tailors, d'makers etc.	Elec- trician	Black- smiths, Welders	Motor vehicle drvrs.	Auto Mecha- nics	Basketry weavers & related workers	Others	Total
Panlilang	0	0	0	23	0	0	0	0	137	0	0	23	23	0	0	114	320
Paralaya	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	163	280
Piazang-Luma	20	0	0	140	0	0	0	20	40	40	20	20	40	0	0	660	1,000
San Agustin Norte	21	0	0	85	0	0	21	0	106	64	0	0	85	21	0	277	680
San Antonio	0	0	24	24	0	24	98	24	171	49	0	0	49	0	24	293	780
San Jose Mesulo	794	0	119	357	0	119	119	0	159	40	40	0	357	0	0	716	2,820
San Juan Bano	0	0	0	0	0	0	96	0	600	0	0	0	192	0	0	432	1,320
San Nicolas	105	53	26	158	0	0	0	0	53	132	0	132	53	0	0	288	1,000
San Roque (Sitag)	41	21	62	41	0	0	21	0	145	0	0	0	21	21	21	246	640
Kaledian (Camba)	21	0	21	104	0	0	21	21	83	41	21	41	21	0	0	165	560
Mabalacat	3,215	737	2,832	8,198	670	790	1,081	2,008	2,083	2,586	731	416	4,809	1,338	284	10,663	42,351
Threatened	120	15	129	269	16	29	178	37	62	97	33	34	178	27	36	721	1,917
Dolores	11	1	1	4	0	2	8	1	1	5	1	4	10	4	0	35	88
Mamatlang	37	4	24	75	6	7	13	9	28	40	11	4	35	8	2	170	473
San Joaquin	72	10	104	190	9	20	97	21	33	52	21	26	131	15	33	516	1,350
Affected	87	47	174	260	28	0	93	66	189	43	22	0	283	28	0	690	2,000
Cacudud	0	0	0	0	23	0	28	56	84	0	0	0	84	28	0	112	420
Macapegal Village	0	0	0	0	0	0	0	0	80	0	0	0	0	0	0	120	200
Marcos Village	0	25	0	0	0	0	0	0	25	0	0	0	25	0	0	25	100
Santa Ines	87	22	174	260	0	0	65	0	0	43	22	0	174	0	0	433	1,280
Unaffected	3,008	675	2,529	7,669	627	767	870	1,921	1,822	2,456	676	382	4,350	1,283	249	2,162	38,440
Atlu Bola	0	49	25	74	25	0	49	0	74	0	25	0	98	25	0	96	540
Bical	0	0	0	45	0	0	0	0	203	135	0	23	113	23	68	270	880
Bundagui	169	0	0	0	0	0	0	0	64	0	42	85	0	0	0	0	360
Camatchiles	31	31	0	61	0	31	0	92	520	31	0	0	214	31	31	427	1,500
Dapdap	0	0	0	0	0	0	0	0	135	0	0	0	0	0	0	45	180
Dau	1,727	206	1,789	5,100	103	514	432	1,686	103	1,912	473	144	1,912	823	41	4,195	21,160
Ouquit	0	0	70	314	70	88	35	35	35	35	35	0	35	66	0	451	1,080
Lakandula	44	44	131	504	0	0	109	44	0	66	0	0	679	66	0	765	2,540
Mabiga	362	161	242	423	141	40	40	20	81	121	101	40	282	161	0	965	3,180
Mangalit	0	0	0	43	0	0	64	0	0	0	0	0	21	0	0	172	300

Employed Persons at Least 15 Years Old by Major Occupation (4/9)

Province/Municipality Barangay	Prof'l Tech'l & Rel Work	Adminl, Exec & Mgr'l Worker	Cler'l & Other Related Workers	Sales Workers	Cooks	Walters Barten ders & Related	House helpers & Laundry women	Beautl clan, barber etc.	Farmers, fisher men, etc.	Tailors, d'makers etc.	Elec- trician	Black- smiths, Welders	Motor vehicle drvrs	Auto Mecha- nics	Basketry weavers & related workers	Others	Total
Mawake	0	23	0	0	0	0	23	0	23	0	0	0	23	0	0	48	140
Paralayunan	0	0	0	0	0	0	0	0	100	20	0	20	20	20	0	0	160
Poblacion	230	115	0	138	0	0	23	0	23	23	0	23	23	69	0	116	760
San Francisco	349	22	175	633	240	65	22	44	109	65	0	47	545	65	109	1,157	3,600
Santa Maria	23	0	0	47	0	23	0	0	280	0	0	0	117	0	0	163	700
Santo Rosario	73	24	97	266	48	0	24	0	48	0	0	0	121	0	0	219	920
Sapang Bajas	0	0	0	21	0	0	84	0	105	0	0	0	147	0	0	53	420
Magalang	670	32	692	1,811	129	164	974	201	4,115	758	216	216	1,442	164	235	6,226	18,044
Threatened	60	7	69	215	35	22	208	22	529	57	17	24	184	36	67	1,046	2,654
Navaling	1	1	5	33	21	2	28	5	55	6	5	4	17	10	0	158	351
San Roque	24	5	33	111	6	10	119	13	210	24	8	8	94	16	54	364	1,119
Santo Rosario	27	1	21	55	8	10	56	4	166	24	4	10	65	10	12	405	878
Turu	4	0	0	16	0	0	5	0	98	3	0	2	8	0	1	99	236
Unaffected	614	25	633	1,596	94	142	766	179	3,686	701	199	192	1,258	123	168	6,179	16,480
Camias	0	0	0	0	0	0	33	0	0	66	0	0	66	0	0	295	460
Dolores	0	0	0	22	0	0	22	0	67	0	0	0	0	0	0	89	200
Escaler	0	0	0	0	0	0	0	0	240	40	0	0	0	0	0	160	440
La Paz	0	0	0	29	0	0	0	0	58	0	0	0	29	0	0	144	290
San Agustin	21	0	0	21	21	0	21	21	84	21	0	0	21	0	0	189	420
San Antonio	0	0	0	50	0	0	0	25	75	50	0	0	0	0	0	100	300
San Francisco	100	25	25	100	25	25	75	25	883	25	25	0	50	25	0	480	1,080
San Ildefonso	88	0	0	221	0	22	110	0	62	110	44	0	66	0	0	376	1,920
San Isidro	0	0	0	0	0	0	0	0	214	0	0	31	31	0	0	214	400
San Jose	0	0	0	119	48	48	0	0	214	48	0	24	95	0	48	116	760
San Miguel	0	0	0	74	0	0	37	0	186	37	0	0	74	37	0	224	780
San Nicolas 1st (Po)	144	0	111	103	0	0	103	21	21	21	21	0	164	0	0	78	820
San Nicolas 2nd	167	0	21	63	0	0	42	0	230	21	21	21	84	21	0	209	900
San Pablo (Pop.)	0	0	0	40	0	0	20	40	0	0	0	0	40	0	0	20	180
San Pedro I	21	0	0	124	0	0	41	0	135	41	21	0	67	0	0	412	660
San Pedro II	0	0	0	202	0	0	45	0	175	45	45	0	175	0	22	179	920
San Vicente	0	0	0	87	0	0	151	22	345	0	22	0	0	0	22	494	1,360
Santa Cruz (Pop.)	22	0	65	173	0	22	0	0	83	0	0	0	0	0	0	221	360
Santa Lucia	28	0	0	28	0	0	0	0	228	0	0	25	25	0	76	206	660
Santa Maria	0	0	25	25	0	25	0	25	92	23	0	0	115	23	0	115	460
Santo Niño	23	0	0	69	0	0	43	0	173	0	0	0	87	0	0	217	520

Employed Persons at Least 15 Years Old by Major Occupation (5/9)

Province/Municipality Barangay	Profi Tech'l & Rel Work	Admini, Exec & Mgr'l Worker	Cler'l & Other Related Workers	Sales Workers	Cooks	Waiters Barten ders & Related	House helpers Laundry women barber	Beauti clan, barber	Farmers, fisher men, etc.	Tailors, d'makers etc.	Elec- trician	Black- smiths, Welders	Motor vehicle drvrs	Auto Mechs & related workers	Basketry weavers	Others	Total
Ayala	0	0	0	46	0	0	23	0	160	91	0	46	69	0	0	205	640
Mexico	850	240	847	2,438	198	190	826	369	3,287	1,182	336	216	2,089	477	97	6,493	20,125
Threatened	479	98	368	1,012	90	88	360	116	1,985	603	96	176	969	166	67	2,924	9,406
Acli	8	3	2	29	0	3	3	4	45	36	2	2	51	11	35	69	303
Anebo	47	4	44	35	2	3	4	6	148	10	2	4	75	7	0	137	528
Buenavista	11	1	5	28	4	3	13	2	54	15	2	1	30	9	3	97	278
Camuning	30	0	17	48	1	3	11	4	65	18	4	7	46	4	5	117	400
Cawayan	0	0	0	9	1	0	0	1	55	2	0	3	7	0	0	79	157
Caweyan	21	3	6	38	3	7	24	14	196	35	6	4	65	4	0	191	617
Culubasa	14	5	11	27	3	3	23	6	83	9	3	1	38	5	1	56	291
Divisoria	11	2	7	136	9	5	15	6	87	6	3	1	15	1	0	84	388
Dobres (Pirang)	0	0	2	9	5	0	6	0	68	15	0	0	8	0	0	50	164
Eden	3	0	4	4	1	4	0	0	34	5	1	1	9	1	1	36	119
Gandus	49	7	29	70	13	8	36	8	13	42	21	7	78	10	1	192	584
Masangang	11	1	22	27	8	4	43	17	135	11	3	0	20	1	0	160	463
Pangalain	18	5	37	92	3	9	12	5	20	28	0	20	70	12	0	186	518
San Carlos	52	14	5	57	3	2	20	4	156	43	7	38	71	15	2	412	901
San Jose Malino	29	5	26	87	12	7	8	0	148	66	5	6	95	18	0	204	716
San Juan	21	5	19	29	2	0	31	10	56	25	5	1	19	3	0	100	326
San Nicolas	49	7	33	104	7	22	65	15	196	29	8	6	110	13	0	252	916
San Vicente	14	4	17	42	2	0	18	3	138	18	3	1	53	0	0	104	417
Santa Maria	25	9	23	30	2	1	3	5	162	22	7	5	41	7	0	182	524
Santo Domingo	49	3	32	78	5	3	10	4	14	30	7	7	38	12	0	112	401
Sucablan	5	5	4	29	3	0	2	4	17	17	1	1	17	1	9	50	165
Tanglay (Tangle)	12	15	13	4	1	1	3	1	75	21	2	0	13	4	0	64	229
Affected	188	82	369	560	65	42	264	80	717	367	141	80	457	182	20	1,766	6,360
Batas	42	0	42	0	0	0	0	0	40	0	0	0	40	0	0	180	280
Concepcion	80	0	80	120	0	0	126	0	126	0	0	0	42	0	0	62	440
San Antonio	0	20	80	80	0	0	0	40	120	40	100	20	80	20	0	500	1,060
San Jose Matulid	0	0	20	60	0	0	0	20	60	60	0	0	100	40	0	200	740
San Lorenzo	21	0	20	86	0	0	21	0	64	0	21	0	21	0	0	66	300
San Pablo	45	22	67	134	45	22	67	0	247	157	0	0	134	22	0	338	1,300
San Patricio	0	40	60	80	20	20	40	20	20	40	0	20	40	20	20	220	680

Employed Persons at Least 15 Years Old by Major Occupation (6/9)

Province/Municipality Barangay	Prof'l Tech'l & Rel Work	Admin, Exec & Mgri Worker	Cler'l & Other Workers	Sales Workers	Cooks	Waiters Barten ders & Related	House helpers & Laundry women	Beauti clan, barber	Farmers, fisher men, etc.	Tailors, d'makers etc.	Elec- trician	Black- smiths, Welders	Motor vehicle drvrs	Auto Mecha nics	Basketry weavers & related workers	Others	Total
Unaffected	183	60	720	866	43	60	222	163	585	322	100	20	663	140	20	1,793	6,360
Lagundi	0	0	20	260	0	0	20	20	40	100	20	0	80	40	0	160	760
Laug	0	0	0	80	0	0	0	0	140	40	0	0	0	0	0	140	400
Massamat	0	0	20	0	0	0	0	0	40	0	0	0	120	0	0	0	180
Nueva Victoria	0	0	0	0	0	0	20	0	20	0	0	0	0	20	0	80	160
Pandacaqui	20	20	0	20	0	20	0	0	120	20	0	0	40	20	0	120	400
Panipuan	0	20	0	60	0	20	0	0	40	20	0	0	40	0	0	120	320
Parian (Pop.)	122	0	0	183	0	0	102	122	41	61	20	0	122	20	0	407	1,200
Sabanilla	21	0	0	43	43	0	21	21	64	21	0	0	21	0	0	106	340
San Miguel	0	0	20	0	0	0	20	0	80	0	0	0	80	0	0	200	400
San Rafael	0	20	20	40	0	0	20	0	0	0	0	0	40	0	0	80	200
San Roque	0	0	0	40	0	0	0	0	0	60	0	20	20	0	0	80	220
Sapang Maisac	20	0	40	120	0	20	40	0	0	0	60	0	100	40	20	320	780
Sta. Ana	936	246	579	1,112	84	81	550	112	3,542	338	277	68	1,036	149	22	3,320	12,649
Threatened	308	73	326	489	43	42	223	52	1,000	187	89	68	490	71	1	1,142	4,609
San Agustin	6	1	10	50	3	6	20	4	144	15	1	4	44	2	0	209	521
San Bartolome	21	10	7	22	2	0	3	1	26	4	6	8	23	6	0	85	226
San Joaquin (Pop.)	122	9	145	167	9	7	80	29	116	49	26	26	120	29	0	258	1,192
San Juan	70	10	26	54	4	2	16	4	56	27	16	4	48	11	0	144	492
San Pedro	9	1	1	13	5	4	2	0	43	7	6	5	43	7	0	50	196
San Roque	20	3	6	68	3	10	32	3	345	18	7	7	82	6	0	88	698
Santiago	58	24	29	85	17	7	63	7	74	37	27	7	74	0	1	356	874
Santo Rosario	0	15	11	30	0	4	7	4	196	30	0	7	56	0	0	50	410
Unaffected	630	173	344	623	41	39	327	60	2,542	161	188	0	646	78	21	2,178	7,940
San Isidro	207	41	145	124	41	0	228	0	435	62	83	0	41	0	0	373	1,760
San Jose	64	21	43	214	0	0	21	21	0	0	0	0	43	0	21	131	600
San Nicolas	197	66	0	0	0	0	0	0	1,114	0	66	0	131	0	0	326	1,900
San Pablo	117	0	156	156	0	39	78	39	469	0	39	0	156	78	0	433	1,760
Santa Lucia	45	45	0	89	0	0	0	0	403	89	0	0	134	0	0	895	1,700
Santa Maria	0	0	0	40	0	0	0	0	100	0	0	0	40	0	0	20	200

Employed Persons at Least 15 Years Old by Major Occupation (7/9)

Province/Municipality Barangay	Tech'l & Rel Work	Prof'l Exec & Mgr'l Worker	Adminl, Cler'l & Other Related Workers	Sales Workers	Cooks	Walters Bartens & Related	House helpers Laundry women barber	Beauti clan, barber	Farmers, fisher men, etc.	Tailors, d'makers etc.	Elec- trician	Black- smiths, Welders	Motor vehicle dvrs	Auto Mechs nlcs	Basketry weavers & related workers	Others	Total
Tarlac	1,476	451	780	2,948	75	922	1,343	219	6,160	1,038	322	349	1,900	658	106	16,839	41,629
Threatened barangay	50	12	42	144	6	10	62	12	197	42	16	12	129	18	4	9,391	23,149
Affected barangays	1,205	247	520	2,204	37	817	1,121	175	4,248	871	274	306	1,359	416	102	5,961	14,280
Unaffected barangay	221	192	218	600	32	95	160	32	1,715	125	32	31	412	124	0	1,487	4,100
Bamban	168	51	138	336	9	35	168	28	462	126	70	28	361	66	26	2,769	4,830
Threatened	154	43	130	327	7	35	166	27	462	121	68	28	342	64	25	991	2,990
Anupui	94	17	67	195	6	19	85	17	131	80	46	16	218	36	23	541	1,591
Cutubasa	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	1	4
Dela Cruz	13	1	10	17	1	3	28	5	17	16	5	6	22	9	0	78	231
La Paz	16	4	12	25	0	4	11	3	8	7	4	0	14	12	0	46	166
Lourdes	1	2	2	29	0	4	14	0	20	0	5	1	25	0	0	73	172
V. de los Remedios (Pacalcat)	3	0	4	10	0	5	12	0	63	5	1	2	12	4	0	39	159
San Rafael	1	3	0	3	0	0	0	0	12	3	0	3	14	2	0	67	159
San Roque	21	12	24	32	0	3	4	1	12	7	4	0	21	1	0	33	175
San Vicente	4	3	4	11	0	1	5	1	59	3	2	0	11	0	1	54	159
Santo Niño	1	1	7	5	0	0	7	0	88	0	1	0	4	0	1	59	174
Affected	14	8	8	8	2	0	2	1	0	6	2	0	9	2	1	1,778	1,840
Banaba	3	1	2	0	1	0	0	0	0	1	0	0	1	1	0	190	200
San Nicolas (Pop.)	11	7	6	8	1	0	2	1	0	4	2	0	8	1	1	1,598	1,640
Capas	302	54	104	649	18	247	133	66	819	299	49	41	559	43	14	2,363	5,769
Threatened	222	54	104	589	18	27	133	66	669	169	49	41	632	43	14	1,790	4,399
Cutub (Pop.)	44	20	14	123	1	8	16	10	73	20	12	5	49	3	1	267	606
Cutcut 1st	40	1	22	104	3	5	19	12	209	44	11	12	175	12	3	534	1,206
Cutcut 2nd	16	7	9	74	4	1	14	6	32	32	6	3	39	6	1	205	455
Sto. Domingo 1st	33	4	14	51	7	3	37	12	7	22	7	8	48	6	2	159	420
Sto. Domingo 2nd	33	10	25	113	2	8	37	8	87	22	8	11	121	9	4	289	787
Sto. Rosario	56	12	20	124	1	2	10	17	151	19	5	2	100	7	3	336	865
Affected	80	0	0	40	0	220	0	0	0	140	0	0	7	0	0	433	920
Aranguren	80	0	0	40	0	220	0	0	0	140	0	0	7	0	0	433	920

Employed Persons at Least 15 Years Old by Major Occupation (8/9)

Province/Municipality Barangay	Prof'l Tech'l & Rel Work	Admin, Exec & Mg'l Worker	Cler'l & Other Related Workers	Sales Workers	Cooks	Waiters Barten ders & Related	House helpers Laundry women	Beauti clan, barber	Farmers, fisher men, etc.	Tailors, d'makers etc.	Elec- trician	Black- smiths, Welders	Motor vehicle drvrs	Auto Mecha nics	Basketry weavers & related workers	Others	Total
Unaffected Maruglu	0 0	0 0	0 0	20 20	0 0	0 0	0 0	0 0	260 260	0 0	0 0	0 0	20 20	0 0	0 0	140 140	440 440
Concepcion	1,303	380	981	3,350	130	451	1,609	257	5,961	946	354	343	2,519	554	95	11,707	30,940
Threatened	531	174	635	1,706	89	120	835	132	2,655	488	171	140	1,472	226	35	6,610	15,760
Cafe	6	5	9	44	0	3	53	1	153	4	0	0	6	5	0	397	686
Corazon De Jesus	6	2	10	28	2	3	44	0	74	3	0	3	38	3	0	101	317
Culiatagan	11	4	9	35	2	5	50	10	53	23	8	0	45	5	1	360	621
Dungan	7	1	2	24	1	1	13	0	39	5	2	0	12	1	0	79	187
Jefman (Dutung-A-Matas)	41	10	50	129	1	20	59	12	95	33	9	15	90	10	1	275	850
Mabilog	12	6	7	19	2	0	16	1	7	2	2	1	18	3	0	602	698
Parulung	11	1	1	20	0	1	10	0	64	3	3	1	15	2	0	128	260
Pitabunan	18	3	15	29	4	0	6	1	87	11	3	8	28	2	1	96	318
San Francisco	28	1	13	111	7	10	73	11	307	114	14	7	93	13	14	688	1,504
San Jose (Prob.)	123	13	118	273	41	14	77	38	130	68	37	31	290	59	13	638	1,963
San Nicolas (Prob.)	43	10	48	178	9	10	56	7	21	19	8	14	147	23	1	310	904
Santo Niño	4	3	1	59	1	2	34	1	112	7	0	1	24	3	0	245	497
Santa Cruz	27	5	27	71	3	4	30	10	231	32	1	2	64	8	1	395	911
Santa Maria	5	0	4	12	0	1	2	0	71	8	2	6	16	1	0	31	159
Santa Monica	22	6	52	171	2	15	45	4	367	27	14	5	71	9	0	473	1,283
Santa Rosa	10	3	9	75	4	3	14	3	100	22	13	12	66	8	0	334	676
Santiago	21	7	28	91	1	5	34	7	170	17	5	4	69	10	0	227	696
Sta. Rosario (Magun)	12	0	6	25	2	5	16	0	134	3	4	4	22	2	0	77	312
Talimungoc Marimla	6	5	3	11	0	2	19	0	108	3	1	2	5	1	0	150	316
Telabanca	3	0	7	31	1	0	40	3	9	16	2	1	17	5	1	166	302
Tinang	9	1	1	70	2	1	53	5	152	11	1	3	75	3	0	354	741
Green Village	73	15	80	144	4	15	79	13	51	42	26	14	193	30	2	380	1,161
Affected	627	140	303	1,271	20	269	669	104	2,542	376	162	183	797	247	60	3,750	11,520
Salutu	22	0	43	217	0	108	0	43	303	65	0	22	87	65	0	845	1,820
Calius	20	0	0	40	0	0	60	0	240	0	0	0	0	0	0	0	360
Castillo	0	0	0	43	0	0	0	0	364	21	0	0	21	0	0	151	600
Lilbangan	0	0	0	60	0	0	20	0	80	20	0	0	0	0	0	20	220
Magao	41	0	20	163	0	20	102	0	306	41	0	0	0	0	20	387	1,100
Malupa	0	0	0	42	0	0	0	21	148	0	0	21	21	0	0	86	350

Employed Persons at Least 15 Years Old by Major Occupation (9/9)

Province/Municipality Barangay	Prof'l Tech'l & Rel Work	Admini, Exec & Mgr'l Worker	Cler'l & Other Related Workers	Sales Workers	Cooks	Waiters, Barten ders & Related	House helpers Laundry women	Beauti clan, barber	Farmers, fisher men, etc.	Tailors, d'makers etc.	Elec- trician	Black- smiths, Welders	Motor vehicle drvrs	Auto Mecha nics	Basketry weavers & related workers	Others	Total
Minane	120	40	80	200	0	60	20	40	100	40	80	0	200	40	0	300	1,320
Panaticisan	0	0	0	0	0	0	0	0	200	0	0	0	40	0	0	20	260
San Antonio	120	20	60	120	0	0	120	0	100	20	20	0	0	0	0	320	900
San Bartolome	21	0	0	21	0	21	41	0	145	21	0	0	0	0	0	350	620
San Isidro (Almedra)	41	0	0	123	20	20	61	0	246	0	20	0	41	20	0	288	880
San Martin	20	0	60	20	0	0	0	0	20	0	0	0	100	0	20	100	320
San Nicolas Galas	20	0	0	102	0	0	143	0	163	61	0	0	20	41	0	390	960
Santa Rita	180	80	40	120	0	40	80	0	60	20	20	140	200	60	0	390	1,420
San Vicente	22	0	0	0	0	0	22	0	67	67	22	0	67	0	0	113	390
Unafffected	145	126	143	373	27	62	105	27	863	82	27	20	250	87	0	1,347	3,660
Calutuan	42	63	0	127	21	21	85	21	296	21	21	0	106	0	0	296	1,120
Pando	83	63	63	63	0	0	0	0	21	0	0	0	63	0	0	624	960
San Juan (Castro)	20	0	20	163	0	41	20	0	286	61	0	20	41	61	0	267	1,000
Sto. Cristo	0	0	20	20	0	0	0	0	140	0	0	0	20	20	0	40	260
Taimunduc San Migu	0	0	40	0	0	0	0	0	120	0	0	0	20	0	0	120	300

Unemployed Population by Type of Skills (1/8)

Province/Municipality/ Barangay	Farm Ing	Book keep Ing	Prog ram Ing	Sec'l Ing	Beauty Culture	Dress Making	Baking Cooking	Embry	Car pen try	Driv ing	Elec	Auto Mech	Others	Total Respon ses
Pampanga and Tarlac	1,134	189	195	493	215	1,481	3,704	278	947	1,017	343	357	7,869	14,282
Threatened barangays	778	120	125	330	122	1,181	3,244	223	546	643	190	197	3,169	10,868
Affected barangays	27	7	5	23	21	55	74	1	42	30	13	14	125	656
Unaffected barangays	329	62	65	140	72	245	386	54	359	344	140	146	418	2,758
Pampanga	827	176	157	355	199	920	2,426	241	929	784	257	271	6,317	9,961
Threatened barangays	486	107	88	199	122	668	1,978	186	540	418	107	116	1,737	6,752
Affected barangays	13	7	4	16	5	16	70	1	31	22	11	9	63	487
Unaffected barangays	328	62	65	140	72	236	378	54	358	344	139	146	402	2,722
Angeles City	37	43	64	138	77	200	714	14	194	265	92	85	326	2,467
Threatened	9	21	20	40	31	116	522	9	102	119	23	13	137	1,162
Capaya	2	5	2	0	6	14	5	0	15	12	4	0	23	88
Pandan	6	11	10	29	21	69	311	7	67	69	14	11	80	705
Salapungan	1	0	5	10	3	27	202	2	17	36	1	1	30	335
Tabun	0	5	3	1	1	6	4	0	3	2	4	1	4	34
Affected	3	6	4	12	3	8	46	0	16	18	4	2	43	384
Anunas	0	0	1	1	0	2	2	0	1	0	0	0	1	8
Cuayan	0	0	3	5	0	1	1	0	0	1	2	1	0	14
Ciara M. Recto	0	0	0	0	0	0	7	0	0	1	0	0	0	8
Cutcut	0	5	0	0	0	1	6	0	2	10	0	0	12	36
Margot	1	0	0	0	0	0	1	0	1	0	0	1	16	20
Pulung Maragul	0	0	0	5	2	4	2	0	7	2	0	0	2	25
San Nicolas	0	0	0	1	0	0	11	0	1	0	0	0	1	14
Sapalibutad	0	1	0	0	1	0	1	0	2	4	2	0	4	15
Santa Trinidad	2	0	0	0	0	0	1	0	0	0	0	0	2	5
Amsic	0	0	0	0	0	0	15	0	2	0	0	0	4	21
Unaffected	25	16	40	86	43	76	145	5	76	128	65	70	146	921
Agapito Del Rosario	1	0	1	1	2	3	17	0	7	4	1	0	5	42
Balibago	6	6	7	17	9	1	3	1	3	3	11	11	11	90
Cutud	1	0	0	0	0	1	13	0	2	4	0	3	1	25
Lourdes North West	1	1	7	6	9	1	5	0	1	35	6	11	5	88
Lourdes Sur	0	0	1	4	2	6	2	0	7	11	8	1	10	52
Lourdes Sur East	1	0	5	4	1	7	2	0	1	20	4	1	5	51

Note: Affected and Unaffected barangays based on responses of 5% sample households.
Total responses may not be equal to total employed and unemployed population due to cases of multiple responses from some respondents.

Unemployed Population by Type of Skills (2/8)

Provinces/Municipality/ Barangay	Farm ing	Book keep ing	Prog ram	Sec'l	Beauty Culture	Dress Making	Baking Cooking	Embry	Car pen try	Driv ing	Elec Mech	Auto Mech	Others	Total Respon ses
Matabanas	0	0	4	11	0	16	6	0	1	1	7	7	21	74
Mining	2	0	0	0	0	1	9	0	1	1	0	0	2	16
Pampang	2	0	3	3	2	2	43	0	1	1	1	0	5	63
Pulungbulu	2	4	1	0	5	4	1	0	1	1	1	0	16	36
Pulung Cacutud	2	0	0	0	1	3	18	0	7	5	0	0	1	37
San Jose	0	1	3	6	3	2	2	0	13	9	3	2	17	61
Santa Teresita	3	2	1	10	1	4	5	0	6	1	3	14	14	65
Santo Cristo	0	0	0	4	0	5	2	0	7	10	1	1	3	32
Santo Domingo	0	1	0	6	1	0	2	4	14	3	9	4	6	50
Santo Rosario (Pop.)	0	0	0	1	1	2	1	0	1	6	3	1	2	18
Sapangbato	1	1	2	5	3	5	5	0	1	10	1	3	7	43
Virgin Delos Remedios	0	0	1	1	1	0	4	0	1	1	2	2	2	15
Ninoy Aquino (Marisol)	3	0	4	7	2	13	5	0	1	2	4	9	13	63
Arayat	213	8	14	14	19	160	227	188	225	119	16	28	282	1,512
Threatened	89	6	11	5	14	126	178	163	108	42	5	15	186	950
Batasan	1	0	0	0	0	0	0	0	0	1	0	0	0	2
Candating	9	0	1	2	0	9	1	0	1	1	0	0	0	24
Laquious	19	0	2	0	1	6	76	43	0	8	1	0	8	164
Mapalad	6	2	0	0	1	4	1	3	0	8	0	1	16	42
Poblacion	0	4	0	0	1	5	63	87	49	2	0	3	32	246
San Agustin Sur	4	0	2	1	0	10	1	1	13	1	0	3	20	56
San Mateo	4	0	1	1	1	9	0	5	0	4	1	4	12	42
Santa Lucia Cupang	8	0	1	0	0	35	26	16	19	0	1	1	40	147
Santa Lucia Matamo	0	0	1	0	1	14	0	0	0	3	0	0	16	35
Santo Niño Tabuan	9	0	0	0	0	7	3	0	1	0	0	0	0	20
Suclayin	29	0	2	1	0	10	7	8	19	13	2	3	44	138
Telapayung	0	0	1	0	9	17	0	0	6	1	0	0	0	34
Unaffected	124	2	3	9	5	34	49	25	117	77	11	13	94	562
Arenas	3	0	0	0	0	5	1	0	5	4	0	0	0	18
Baliti	3	0	0	0	0	3	1	0	2	1	0	0	8	18
Buensuceso	1	0	0	0	0	0	0	0	0	1	0	0	0	2
Gatiawin	12	0	0	0	0	1	0	1	13	5	0	1	0	33
Guernasan	14	0	0	8	0	1	2	2	6	5	1	2	3	44
La Paz (Turu)	3	0	0	0	0	2	2	0	1	1	0	0	0	9

Unemployed Population by Type of Skills (3/8)

Province/Municipality/ Barangay	Farm ing	Book keep ing	Prog ram ing	Sec'l ing	Beauty Culture	Dress Making	Baking Cooking	Embry	Car pen try	Driv ing	Elec	Auto Mech	Others	Total Respon ses
Lacmit	14	0	1	0	0	3	0	0	4	7	0	1	4	34
Manga-Cacutud	6	0	0	0	1	2	12	18	2	17	5	0	12	74
Paniliang	6	0	0	0	0	0	0	0	3	1	0	0	0	10
Paralaya	3	0	0	0	0	2	2	1	5	0	0	2	4	19
Piazang-Luma	1	0	1	0	1	2	0	0	27	2	3	1	1	39
San Agustin Norte	7	0	0	0	1	4	0	0	8	5	0	1	4	30
San Antonio	7	0	0	0	0	1	3	0	4	2	0	0	0	17
San Jose Mesulo	7	1	0	1	0	1	11	0	3	10	1	1	2	38
San Juan Bano	23	1	0	0	0	0	0	0	14	7	0	0	4	49
San Nicolas	3	0	1	0	1	3	12	0	7	6	0	1	3	37
San Roque (Bitas)	10	0	0	0	0	0	2	0	6	1	0	2	20	41
Kaledian (Camba)	1	0	0	0	1	4	1	3	7	2	1	1	28	49
Mabalacat	73	29	27	67	30	105	207	25	80	91	58	56	152	998
Threatened	1	1	7	30	11	16	124	0	18	20	6	4	92	330
Dolores	0	0	0	1	0	2	9	0	0	2	0	1	8	23
Mamatitang	0	0	2	11	0	2	67	0	2	3	2	1	28	118
San Joaquin	1	1	5	18	11	12	48	0	16	15	4	2	56	189
Affected	3	1	0	3	1	6	3	1	0	1	0	0	8	27
Cacutud	0	0	0	0	0	0	1	0	0	0	0	0	4	5
Macapagal Village	3	1	0	1	0	2	0	1	0	0	0	0	0	8
Marcos Village	0	0	0	0	1	1	0	0	0	1	0	0	4	7
Santa Ines	0	0	0	2	0	3	2	0	0	0	0	0	0	7
Unaffected	69	27	20	34	18	83	80	24	62	70	52	52	52	641
Atlu Bola	5	1	0	0	0	4	4	0	3	3	0	1	4	25
Bical	11	0	0	0	0	2	2	6	4	6	0	1	8	40
Bundagui	3	0	0	0	0	2	1	0	0	0	14	0	0	20
Camatchiles	8	0	0	2	4	14	1	1	10	5	1	3	4	53
Dapdap	6	0	0	0	1	0	1	0	0	3	0	0	0	11
Dau	2	19	0	7	4	6	2	4	2	8	14	18	5	90
Duquit	0	0	1	2	0	2	1	0	3	6	1	1	2	19
Lakandula	0	0	3	3	5	13	3	2	14	2	0	5	2	52
Mabiga	4	5	7	5	1	10	3	2	8	2	14	16	3	80
Mangalit	4	0	0	2	1	0	8	0	1	1	0	0	4	17
Mawake	3	0	0	0	0	1	3	0	0	4	0	0	0	11

Unemployed Population by Type of Skills (4/8)

Province/Municipality/ Barangay	Farm ing	Book keep ing	Prog ram ing	Sec'l	Beauty Culture	Dress Making	Baking Cooking	Embry	Car pen try	Driv ing	Elec	Auto Mech	Others	Total Respon ses
Paralayunan	3	0	0	0	0	0	6	1	0	1	0	0	4	15
Poblacion	0	0	0	1	0	6	14	0	1	9	0	2	0	33
San Francisco	2	1	7	4	1	6	4	0	2	1	7	4	5	44
Santa Maria	13	1	2	1	1	3	8	1	2	6	1	0	0	39
Santo Rosario	2	0	0	6	0	8	9	7	9	10	0	0	3	54
Sapang Biabas	7	0	0	1	0	6	10	0	3	3	0	1	8	39
Magalang	134	28	7	17	12	49	109	1	113	81	13	18	146	728
Threatened	24	11	5	6	6	6	5	1	9	12	2	7	36	130
Navaling	15	9	0	0	4	1	3	0	7	5	1	3	0	48
San Roque	1	0	0	0	0	0	0	0	0	2	0	1	0	4
Santo Rosario	6	2	5	6	2	5	2	1	1	5	1	2	36	74
Turu	2	0	0	0	0	0	0	0	1	0	0	1	0	4
Unaffected	110	17	2	11	6	43	104	0	104	69	11	11	110	598
Camias	2	0	0	0	0	2	2	0	3	2	0	0	0	11
Dolores	3	0	0	0	0	1	0	0	1	1	0	0	8	14
Escaler	6	0	0	0	0	1	2	0	3	0	0	0	0	12
La Paz	4	0	0	0	0	0	3	0	3	2	0	0	0	12
San Agustin	4	0	0	0	0	0	9	0	6	1	0	0	8	28
San Antonio	3	0	0	0	0	3	1	0	4	0	0	0	0	11
San Francisco	6	0	0	0	1	2	16	0	17	5	1	1	4	53
San Ildefonso	3	4	0	0	1	5	13	0	2	1	4	3	8	44
San Isidro	2	0	0	0	0	1	8	0	6	1	0	0	12	30
San Jose	9	0	0	0	0	2	6	0	4	3	0	0	1	25
San Miguel	5	0	0	2	0	1	1	0	5	4	0	1	0	19
San Nicolas 1st (Pob)	2	3	1	2	1	3	3	0	1	10	1	0	3	29
San Nicolas 2nd	10	9	1	1	1	5	1	0	5	5	1	3	8	49
San Pablo (Pob.)	0	0	0	0	0	0	0	0	3	2	0	0	24	29
San Pedro I	3	0	0	0	0	2	6	0	8	7	1	0	0	27
San Pedro II	5	0	0	0	0	3	2	0	7	4	0	0	4	25
San Vicente	1	0	0	1	0	0	3	0	5	4	1	0	0	15
Santa Cruz (Pob.)	14	1	0	2	0	8	1	0	1	8	1	2	2	42
Santa Lucia	3	0	0	0	2	0	2	0	7	0	0	0	0	12
Santa Maria	9	0	0	1	1	0	9	0	5	1	0	0	16	42

Unemployed Population by Type of Skills (5/8)

Province/Municipality/ Barangay	Farm ing	Book keep ing	Prog ram ing	Sec'l ing	Beauty Culture	Dress Making	Baking Cooking	Embry	Car pen try	Driv ing	Elec Mech	Auto Mech	Others	Total Respon ses
Santo Niño	7	0	0	0	0	1	3	0	1	2	0	1	4	19
Bucanan	5	0	0	0	0	0	0	0	2	3	0	0	0	10
Ayala	5	0	0	2	0	4	13	0	5	3	1	0	8	41
Mexico	303	19	23	88	36	316	882	10	203	182	55	68	772	2,957
<i>Threatened</i>	296	19	23	87	35	314	861	10	188	179	48	61	760	2,881
Acli	9	0	0	2	3	10	6	0	9	9	1	1	28	78
Anao	10	4	3	5	2	12	132	0	12	8	1	1	48	238
Buenavista	7	0	0	0	0	6	1	0	0	6	0	2	28	50
Camuning	8	0	4	14	2	119	121	2	6	7	3	19	84	389
Cawayan	1	0	1	0	2	5	1	0	7	11	0	0	20	48
Culubasa	0	0	0	2	5	20	102	2	0	1	1	0	8	139
Divisoria	25	0	2	6	2	1	76	2	7	12	8	0	48	189
Dolores (Piring)	3	0	0	1	1	4	12	0	9	2	0	0	20	52
Eden	10	0	0	0	1	22	67	0	1	0	0	0	4	105
Gandus	1	0	1	1	0	9	5	0	1	1	0	1	0	20
Masangsang	4	1	0	9	0	1	0	2	15	9	3	7	48	99
Pangatian	9	0	0	1	1	9	14	1	0	2	0	1	8	46
San Carlos	8	1	0	1	4	9	152	0	42	20	5	0	20	262
San Jose Malino	1	1	4	10	0	22	15	0	0	3	5	2	36	99
San Juan	52	1	1	12	4	25	17	0	27	15	8	13	128	303
San Nicolas	7	0	0	3	1	9	2	0	7	2	0	0	4	35
San Vicente	13	10	2	7	1	9	0	0	11	4	4	6	96	163
Santa Cruz	105	0	1	3	3	11	35	0	4	18	0	0	8	188
Santa Maria	8	0	4	3	2	4	35	0	3	13	1	5	16	94
Santo Domingo	5	1	0	7	1	4	20	0	13	27	8	3	76	165
Sucaban	10	0	0	0	0	1	1	3	14	9	0	0	32	70
Tanglay (Tangle)	0	0	0	0	0	2	47	0	0	0	0	0	0	49
<i>Affected</i>	7	0	0	1	1	2	21	0	15	3	7	7	12	76
Balao	1	0	0	0	0	0	0	0	0	0	0	0	4	5
Concepcion	0	0	0	0	0	1	0	0	1	1	0	1	8	12
San Antonio	1	0	0	1	0	0	3	0	3	2	1	1	0	12
San Jose Matulid	0	0	0	0	0	0	6	0	4	0	1	3	0	14
San Lorenzo	0	0	0	0	0	0	6	0	4	0	0	2	0	12

Unemployed Population by Type of Skills (6/8)

Province/Municipality/ Barangay	Farm ing	Book keep ing	Prog ram ing	Sec'l	Beauty Culture	Dress Making	Baking Cooking	Embry	Car pen try	Driv ing	Elec	Auto Mech	Others	Total Respon ses
San Pablo	0	0	0	0	0	0	2	0	1	0	3	0	0	6
San Patricio	5	0	0	0	1	1	0	0	0	0	1	0	0	8
Santo Rosario	0	0	0	0	0	0	4	0	2	0	1	0	0	7
Sta. Ana	69	49	22	32	28	92	293	3	131	49	25	22	564	1,379
<i>Threatened</i>	67	49	22	31	25	90	288	3	115	46	23	16	524	1,299
San Agustin	18	1	0	0	1	4	69	0	2	6	0	0	24	125
San Bartolome	2	1	0	0	0	0	2	0	8	0	1	0	40	54
San Joaquin (Pop.)	2	0	1	0	2	5	4	0	13	1	5	0	68	101
San Juan	1	13	8	10	7	41	15	2	17	5	4	6	100	229
San Pedro	1	13	0	0	0	0	5	0	4	2	1	1	68	95
San Roque	28	10	8	2	4	12	85	0	8	26	5	2	64	254
Santiago	15	11	4	19	11	27	108	1	61	5	7	7	152	428
Santo Rosario	0	0	1	0	0	1	0	0	2	1	0	0	8	13
<i>Unaffected</i>	2	0	0	1	3	2	5	0	16	3	2	6	40	80
San Isidro	0	0	0	1	0	0	1	0	0	0	0	4	8	14
San Jose	0	0	0	0	1	1	3	0	0	1	1	0	3	10
San Nicolas	0	0	0	0	1	0	0	0	0	0	0	0	0	1
San Pablo	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Lucia	2	0	0	0	1	1	1	0	16	2	1	2	29	55
Santa Maria	307	13	38	138	16	561	1,278	37	18	233	86	86	1,552	4,321
Tarlac	292	13	37	131	0	513	1,266	37	6	225	83	81	1,432	4,116
Threatened barangays	14	0	1	7	16	39	4	0	11	8	2	5	62	169
Affected barangays	1	0	0	0	0	9	8	0	1	0	1	0	16	36
Unaffected barangays	119	6	6	36	2	253	532	27	7	7	7	7	7	7
Bamban	119	6	6	36	2	253	532	27	7	7	7	7	7	7
<i>Threatened</i>	119	6	6	35	0	246	528	27	0	101	37	23	492	1,620
Anupul	71	4	5	27	0	160	319	11	0	71	22	13	312	1,015
Culubasa	0	0	0	0	0	0	0	0	0	0	0	1	8	9
Deja Cruz	18	2	0	2	0	17	25	4	0	12	1	1	64	146
La Paz	2	0	0	0	0	5	14	0	0	1	3	2	16	43
Lourdes	9	0	0	0	0	9	13	0	0	1	3	2	8	45
V delos Remedios (Pacalcal)	9	0	0	0	0	13	60	0	0	2	2	1	24	111

Unemployed Population by Type of Skills (7/8)

Province/Municipality/ Barangay	Farming	Bookkeeping	Programming	Sec'l	Beauty Culture	Dress Making	Baking Cooking	Embry	Carpen try	Driving	Elec	Auto Mech	Others	Total Respon ses
San Rafael	5	0	0	0	0	12	54	1	0	5	1	1	24	103
San Roque	0	0	0	6	0	11	24	2	0	7	5	2	20	77
San Vicente	3	0	0	0	0	8	18	9	0	0	0	0	16	54
Santo Niño	2	0	1	0	0	11	1	0	0	2	0	0	0	17
Affected	0	0	0	1	2	7	4	0	7	0	0	0	6	27
Banaba	0	0	0	0	0	0	3	0	3	0	0	0	4	10
San Nicolas (Pop.)	0	0	0	1	2	7	1	0	4	0	0	0	2	17
Capas	49	3	18	97	0	0	234	3	6	0	0	15	196	621
Threatened	49	3	18	96	0	0	234	3	6	0	0	15	196	620
Cubcub (Pop.)	8	0	1	16	0	0	21	0	6	0	0	1	28	81
Cutcut 1st	24	0	2	22	0	0	91	2	0	0	0	5	108	254
Cutcut 2nd	2	0	4	11	0	0	28	0	0	0	0	2	16	63
Sto. Domingo 1st	0	2	2	18	0	0	44	0	0	0	0	2	20	88
Sto. Domingo 2nd	1	0	8	21	0	0	19	1	0	0	0	3	12	65
Sto. Rosario	14	1	1	8	0	0	31	0	0	0	0	2	12	69
Affected	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Aranguren	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Concepcion	139	4	14	5	14	308	512	7	5	132	49	48	816	2,053
Threatened	124	4	13	0	0	267	504	7	0	124	46	43	744	1,876
Cafe	1	0	0	0	0	1	0	0	0	0	0	1	4	7
Corazon De Jesus	9	0	1	0	0	5	21	0	0	7	1	2	24	70
Culiatangan	0	0	0	0	0	0	1	0	0	0	0	0	4	5
Dungan	1	1	1	0	0	8	10	0	0	2	0	5	24	52
Jefmin (Dutung-A-Matas)	3	0	0	0	0	0	0	0	0	0	0	0	12	15
Mabilog	0	1	0	0	0	0	0	0	0	4	2	2	16	25
Parulung	1	0	3	0	0	13	2	1	0	7	4	3	8	42
Pitabunan	1	0	1	0	0	2	2	5	0	2	1	2	12	28
San Francisco	5	1	0	0	0	59	153	0	0	18	4	0	72	312
San Jose (Pop.)	0	0	1	0	0	10	2	0	0	20	10	7	48	98
San Nicolas (Pop.)	11	0	1	0	0	21	27	0	0	12	3	2	116	193

Unemployed Population by Type of Skills (8/8)

Province/Municipality/ Barangay	Farm Ing	Book keep ing	Prog ram ing	Sec'l ing	Beauty Culture	Dress Making	Baking Cooking	Embry try	Car pen try	Driv ing	Elec Mech	Auto Mech	Others	Total Respon ses
Santo Niño	10	0	1	0	0	23	0	0	0	8	3	2	16	63
Santa Cruz	6	1	0	0	0	24	174	0	0	4	2	2	68	281
Santa Maria	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Monica	9	0	0	0	0	45	1	0	0	11	5	3	28	102
Santa Rosa	0	0	0	0	0	29	0	0	0	9	4	3	36	81
Santiago	0	0	3	0	0	11	6	0	0	7	6	9	60	102
Sta. Rosario (Magunting)	40	0	1	0	0	10	34	0	0	11	1	0	40	137
Talimunduc Marimia	27	0	0	0	0	6	71	1	0	2	0	0	156	263
Telabianca	57	0	0	2	4	12	3	0	22	0	0	5	7	117
Tinang	47	0	5	1	5	47	3	0	27	17	7	13	26	198
Alfonso	10	1	2	7	10	41	182	0	80	0	19	14	21	387
Green Village	0	2	0	21	6	32	1	0	32	0	12	10	13	129
Affected	14	0	1	5	14	32	0	0	4	8	2	5	56	141
Balutu	3	0	0	0	1	8	0	0	2	2	0	2	0	18
Calius	1	0	0	2	2	1	0	0	0	0	0	0	0	6
Castillo	1	0	0	0	0	10	0	0	0	1	0	0	12	24
Lilibangan	0	0	0	0	0	1	0	0	0	0	0	0	4	5
Magao	0	0	0	0	0	1	0	0	0	0	1	0	4	6
Malupa	0	0	0	0	3	2	0	0	0	0	0	0	4	9
Minane	1	0	1	0	2	2	0	0	1	2	0	2	8	19
Panalicsican	0	0	0	0	0	0	0	0	0	0	0	0	4	4
San Antonio	2	0	0	1	1	4	0	0	1	0	0	1	0	10
San Bartolome	1	0	0	1	0	0	0	0	0	0	0	0	4	6
San Isidro (Almedras)	1	0	0	1	2	1	0	0	0	0	1	0	8	14
San Martin	0	0	0	0	1	1	0	0	0	2	0	0	0	4
San Nicolas Balas	1	0	0	0	1	0	0	0	0	0	0	0	4	6
Santa Rita	3	0	0	0	1	1	0	0	0	0	0	0	4	10
San Vicente														
Unaffected	7	0	0	0	0	9	8	0	1	0	1	0	16	36
Caluluan	0	0	0	0	0	6	1	0	0	0	0	0	0	7
Pando	0	0	0	0	0	0	0	0	1	0	0	0	0	1
San Juan (Castro)	1	0	0	0	0	3	2	0	0	0	1	0	8	15
Sto. Cristo	0	0	0	0	0	0	0	0	0	0	0	0	8	8
Talimunduc San Miguel	0	0	0	0	0	0	5	0	0	0	0	0	0	5

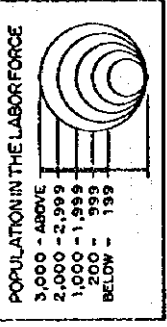
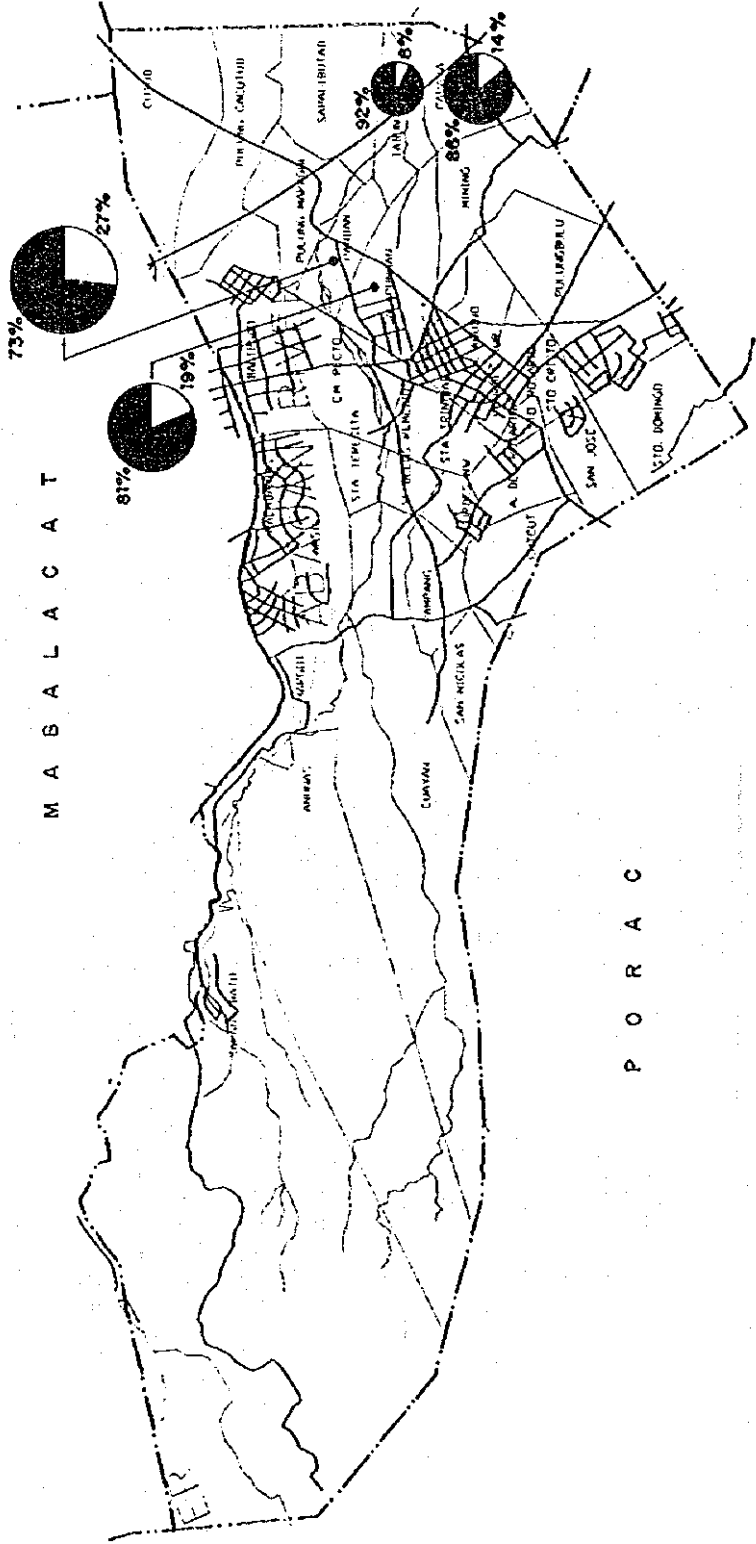


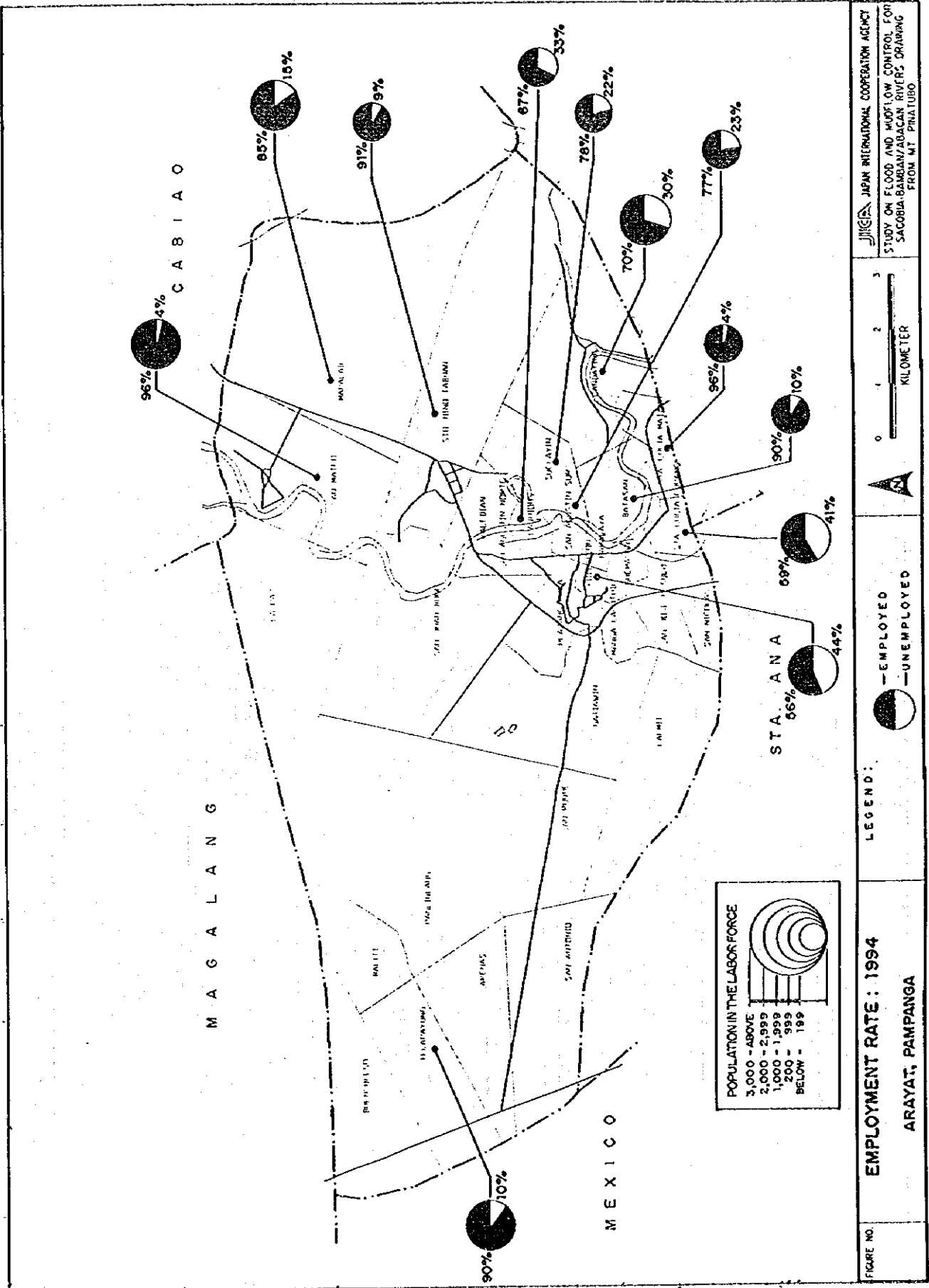
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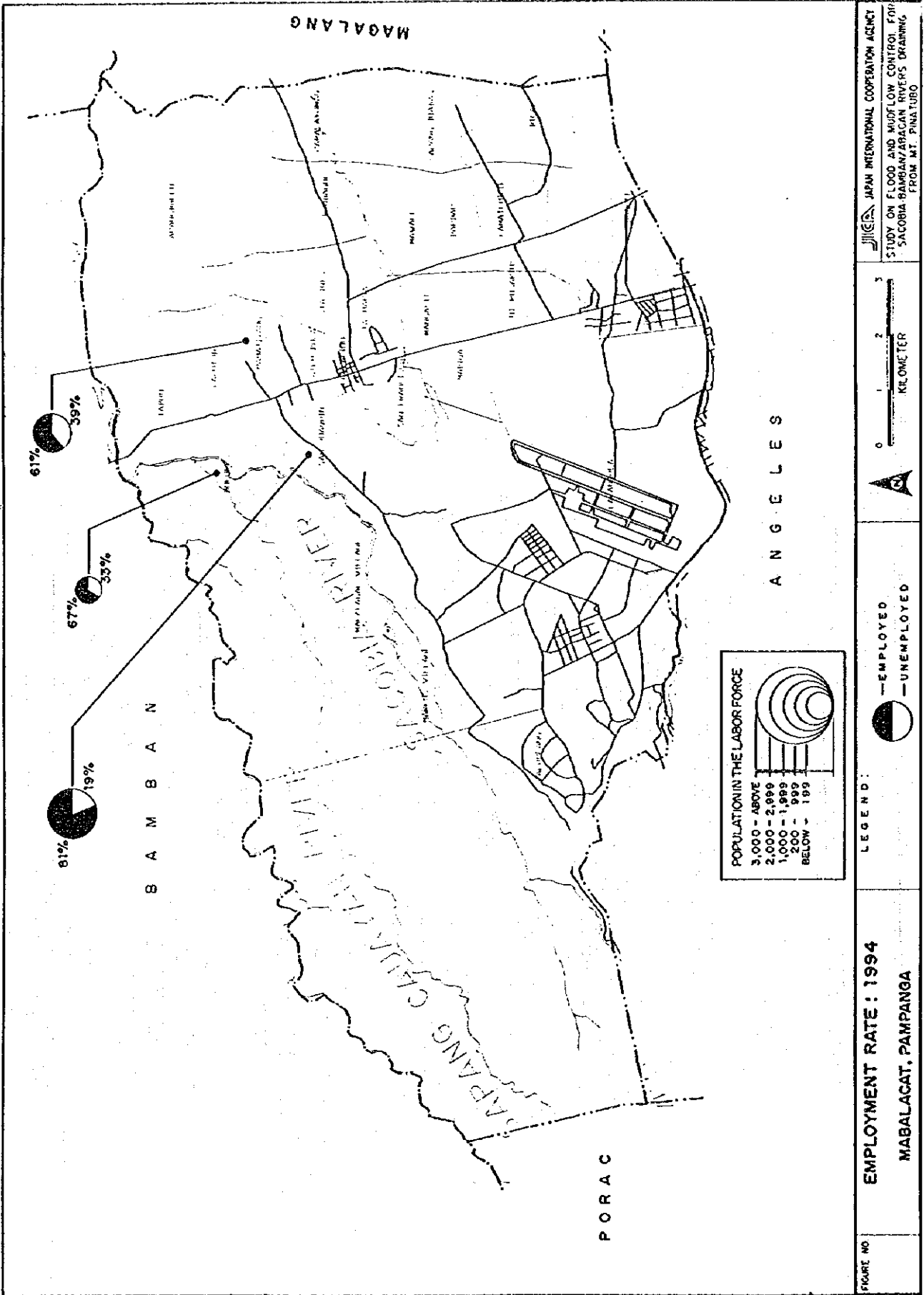
EMPLOYMENT RATE : 1994
ANGELES CITY, PAMPANGA

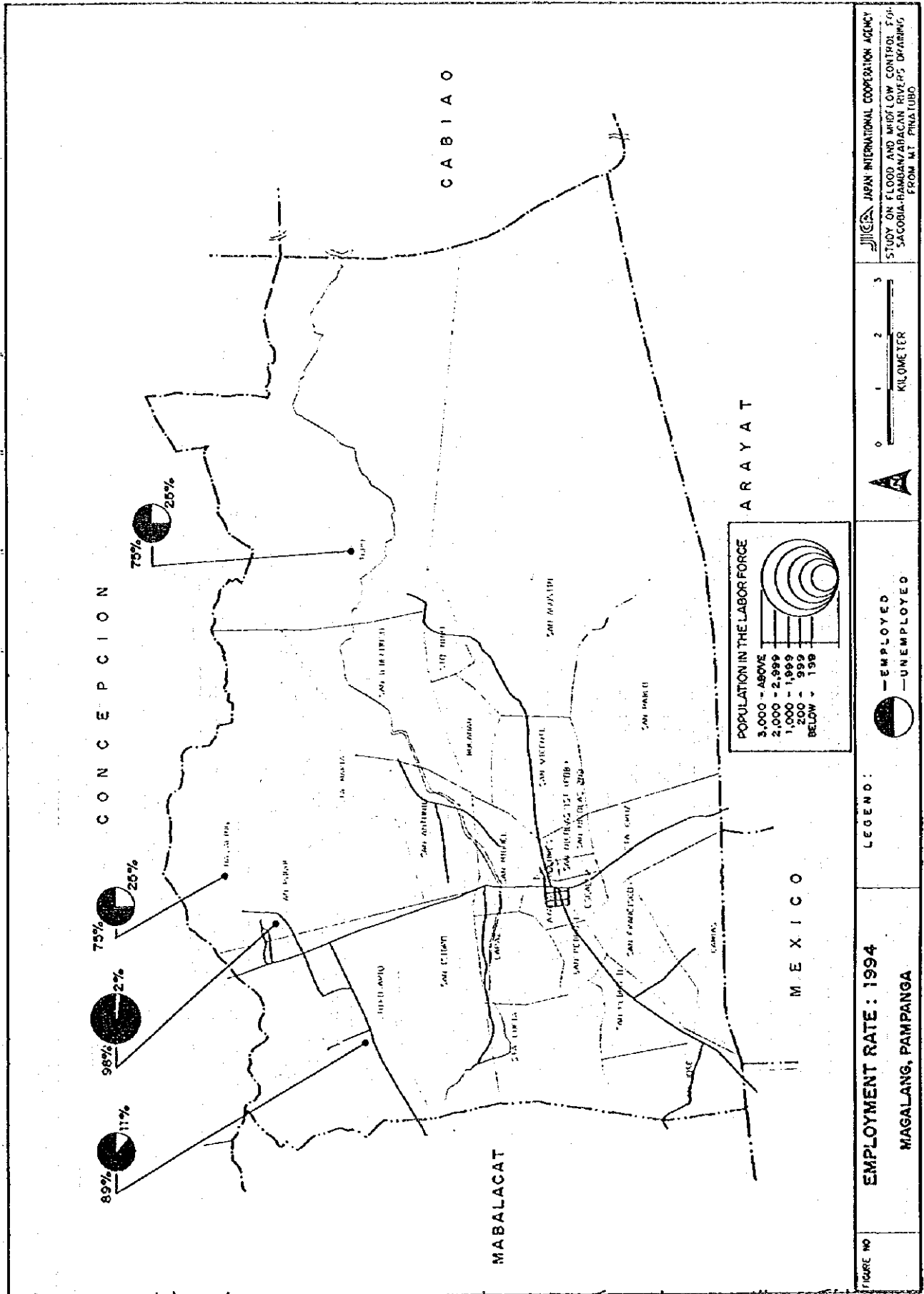
LEGEND : — EMPLOYED — UNEMPLOYED

0 1 2 3
 KILOMETER

JICA, JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MUDFLOW CONTROL FOR
 SACOBIA-BABAN/ABACAN RIVERS DRAINING
 FROM MT. PINATURO







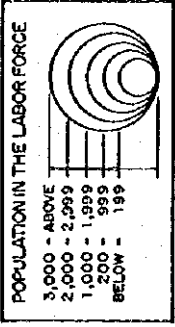
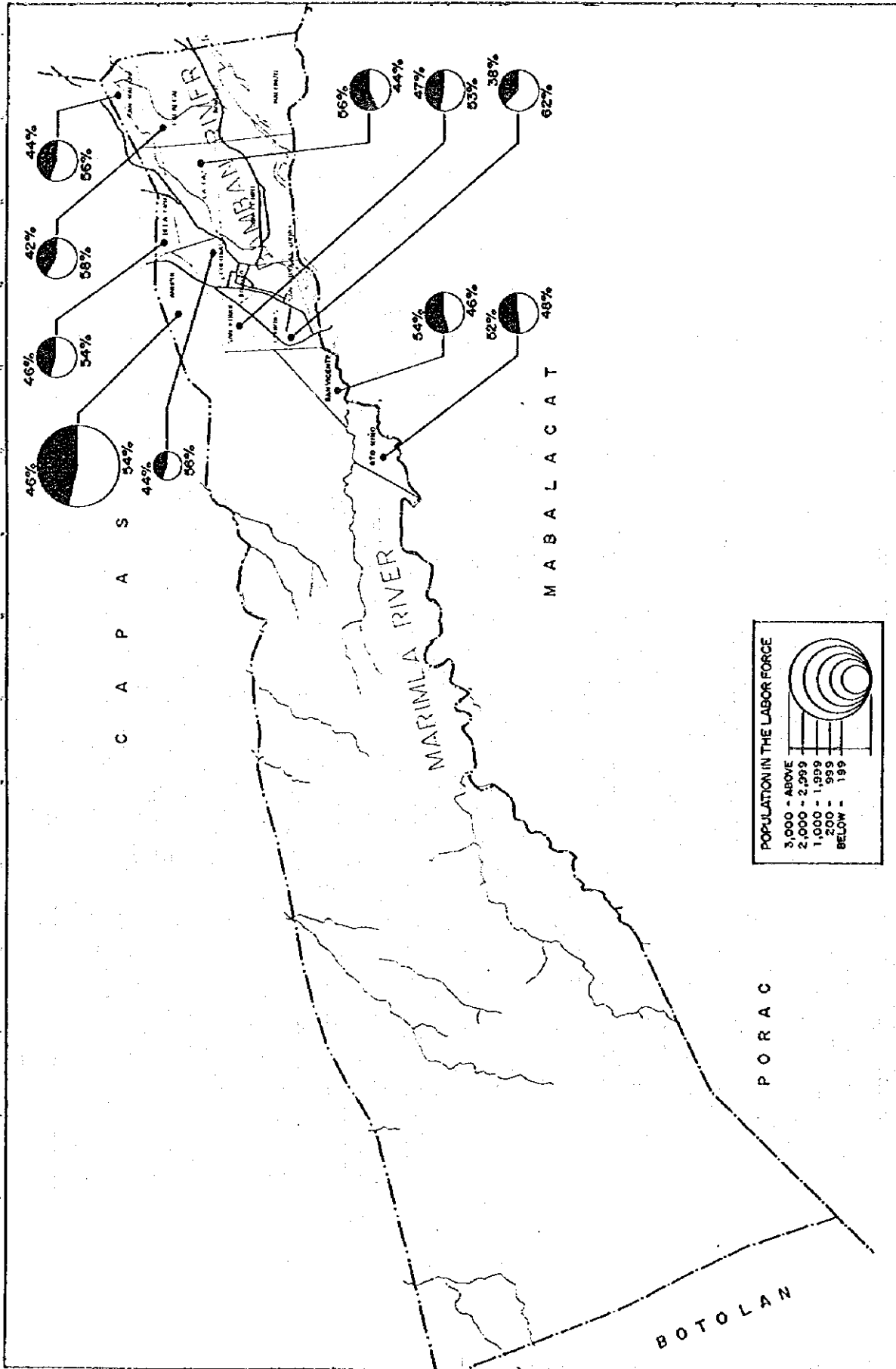


FIGURE NO. **EMPLOYMENT RATE: 1994**
SAMBAN, TARLAC

LEGEND: —EMPLOYED —UNEMPLOYED

0 1 2 3
KILOMETER

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND WIDELOW CONTROL FOR
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 FROM MT. PINA LURO

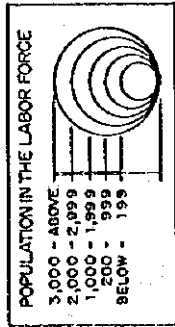
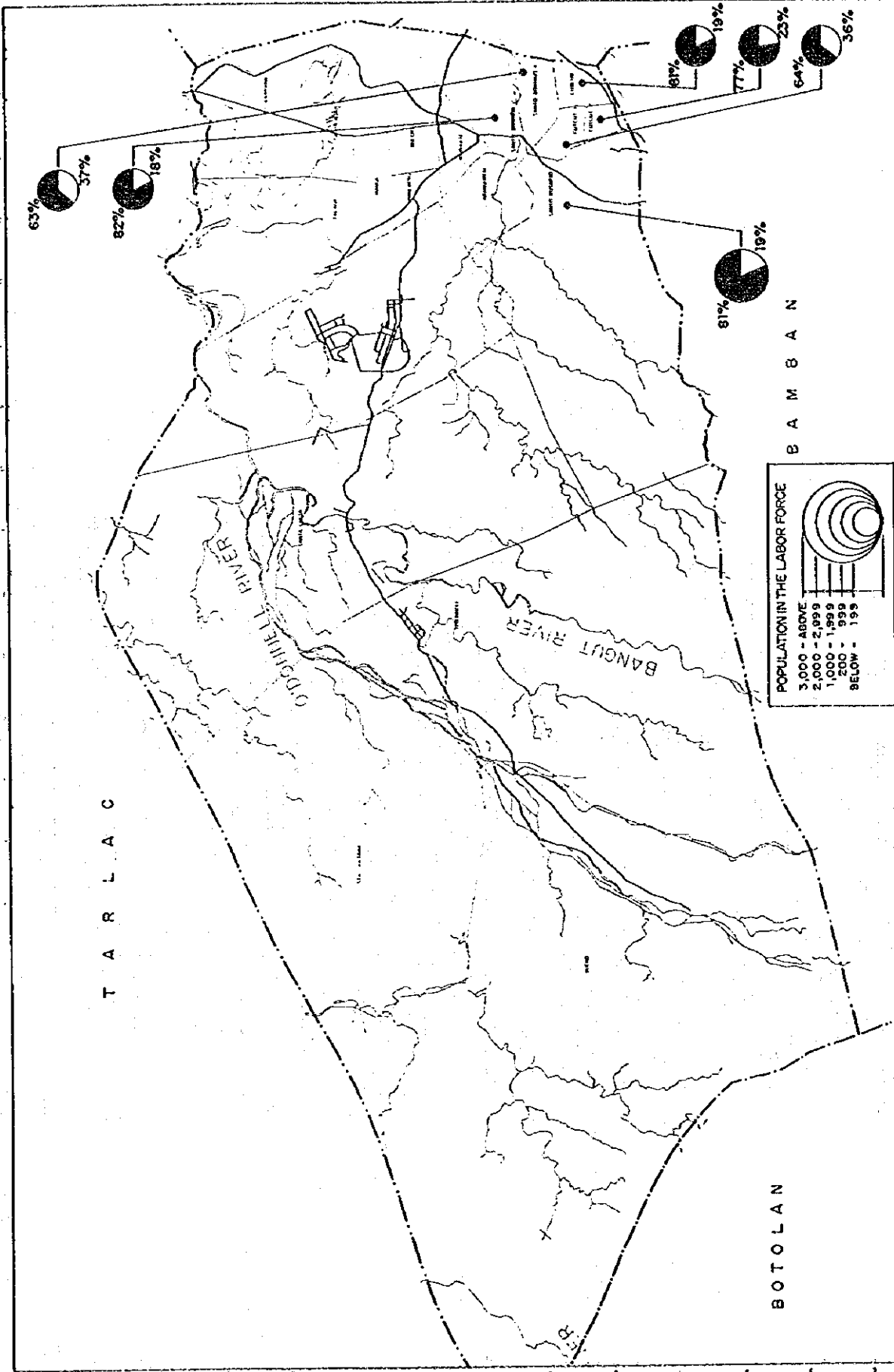


FIGURE NO. _____

EMPLOYMENT RATE: 1994

CAPAS, TARLAC

LEGEND:

- EMPLOYED
- UNEMPLOYED

0 1 2 3
KILOMETER

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
STUDY ON FLOOD AND MUDFLOW CONTROL FOR
SACOBIA-RAMBAN/RABACAN RIVERS DRAINING
FROM MT. PINATUBO

**Types, Number and Beneficiaries of Livelihood Projects
Angeles City**

BARANGAY/ NGO	TYPE OF PROJECT	NO. OF PROJECTS	NO. OF BENEFICIARIES
1 PICPA, Angeles City Found. Inc.	Relending	10	10
2 Margot Farmers Prod. Coop. Inc.	Food Processing, Cassava Cake	2	30
3 Santissima Trinidad MPCI	Relending	17	17
4 Angeles Multi- Purpose Coop.	Relending	15	54
5 Samahang Maralita of Mt. Pinatubo Victims	Relending	70	70
6 Amiable Foundation Inc., Plaridel St.	Relending	15	64
7 Liahona Garments Mfg. Coop.	Knitting Machines	1	15
8 Pampang Primary Multi-Purpose Coop. Inc.	Relending	25	25
9 Dionelco-Margot Livelihood Assn.	Broiler Production	1	15
10 Amsic Multi-Purpose Coop. Inc.	Consumer Cooperative Trading	31	31
11 Tagumpay Credit Coop., Inc.	Trading	15	15
12 Help Opportunities for People Everywhere	Furniture	1	10
13 Samahang Tindero Para sa Kaunlaran	Relending	1	12
14 United Bros. MPCI	Production of Wood Wares	1	6
15 ISSE-AUF	Marketing Consolidation	0	0
16 Acct Wholistic Dev't. Assn.	Relending	7	7
17 Everlasting Mothers Club	Relending	11	11
18 Bagong Silang MCPI	Duck Raising	1	16
19 Bgy. Cutcut MCPI	Relending/ Junk Shop	9	9
20 Kilusang Nagkakaisang Mamamayan	Relending	15	15
TOTALS		248	432

**Types, Number and Beneficiaries of Livelihood Projects
Mabalacat, Pampanga**

BARANGAY/ NGO	TYPE OF PROJECT	NO. OF PROJECTS	NO. OF BENEFICIARIES
1 Mabalacat Malasa Jaycees	Baskets & Garments	19	19
2 Dau Plaza Wet Market Vendors	Relending	47	101
3 Jesus Christ International Charismatic	Relending	13	78
4 Good Samaritan Primary MPCl	Relending	23	54
5 Dau Operators & Tricycle Drivers Assn. Primary MPCl	Repair & Motor Shop	1	50
TOTALS		103	302

**Types, Number and Beneficiaries of Livelihood Projects
Magalang, Pampanga**

BARANGAY/ NGO	TYPE OF PROJECT	NO. OF PROJECTS	NO. OF BENEFICIARIES
1 Magalang Damayan Small Vendors- Traders Assn., Inc.	Relending	25	25
2 Escaler MPCl	Hog Raising	91	91
3 Licu Dau MPCl	Hog Raising	1	37
TOTALS		117	153

**Types, Number and Beneficiaries of Livelihood Projects
Mexico, Pampanga**

BARANGAY/ NGO	TYPE OF PROJECT	NO. OF PROJECTS	NO. OF BENEFICIARIES
1 Kongregasyong Katuparan, Inc.	Concrete Products Hollow blocks	1	21
2 Mexico Agro-Industrial & Marketing MPCl	Pigeon Raising	16	16
3 St. Joseph MPCl	Hog Raising	1	15
4 Eden MPCl	Relending	22	22
TOTALS		40	74

**Types, Number and Beneficiaries of Livelihood Projects
Bamban, Tarlac**

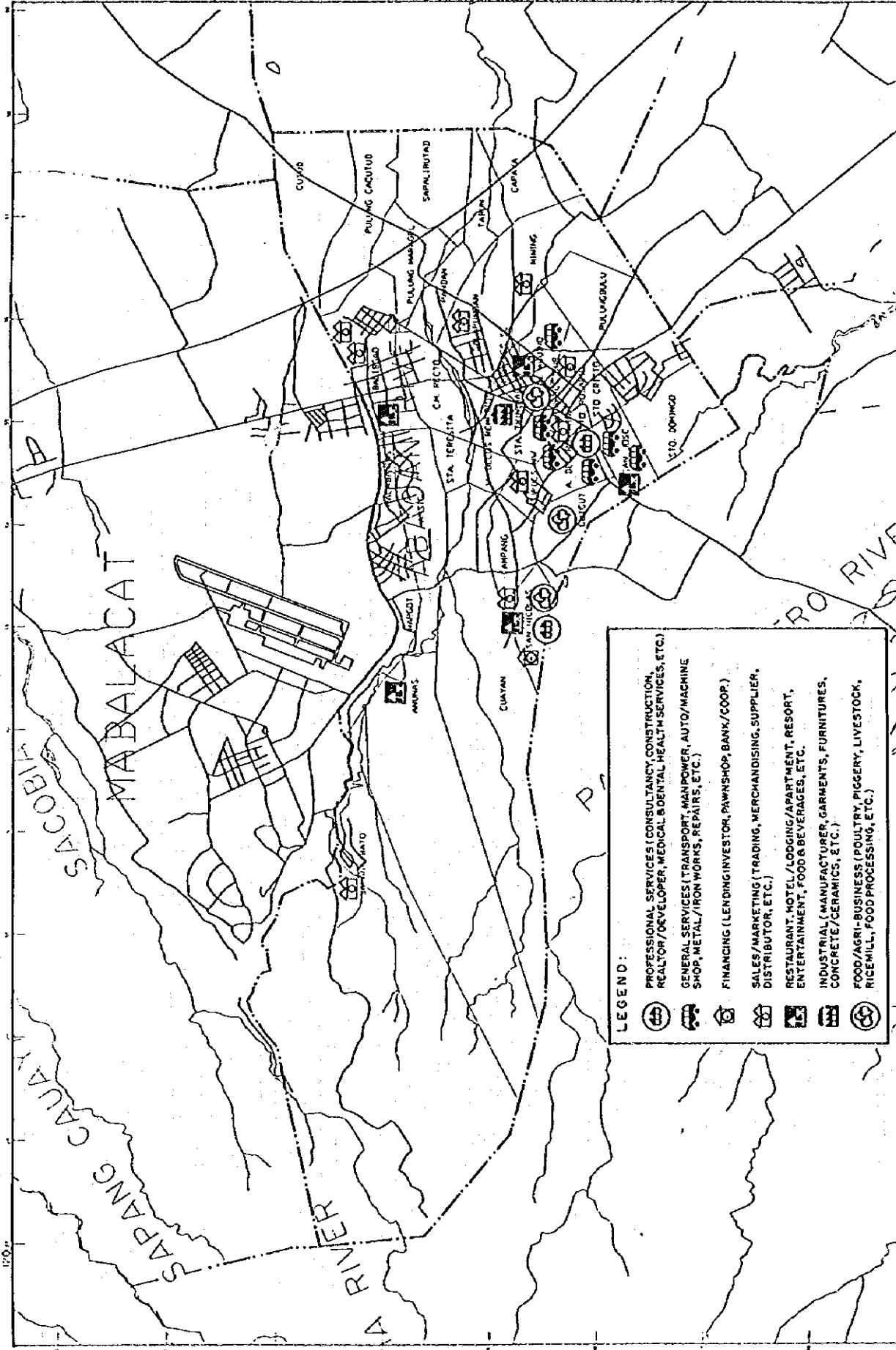
BARANGAY/ NGO	TYPE OF PROJECT	NO. OF PROJECTS	NO. OF BENEFICIARIES
1 Bamban Tricycle Drivers & Operators Assn., Inc.	Motorcycle Spare Parts	1	15
2 Bamban Tricycle Drivers & Operators Assn., Inc.	Relending	61	61
3 Bamban Merchants Primary MPCl	Relending	21	21
4 Rolling Hills Sewers MPCl	Garments	1	15
5 New Hope Primary MPCl	Relending	15	15
6 Panaisan PMPCl	Hollow Block Production	1	20
7 Bayanihan PMPCl	Salted Egg Production	1	20
8 Layac PMPCl	Goat Raising	1	20
9 Sto. Niño PMPCl	Cattle Fattening	1	15
TOTALS		103	202

**Types, Number and Beneficiaries of Livelihood Projects
Capas, Tarlac**








BARANGAY/ NGO	TYPE OF PROJECT	NO. OF PROJECTS	NO. OF BENEFICIARIES
1 Kawili-wili PMPCI	CSF-Mushroom Production	1	39
2 Manga PMPCI	Duck Raising	1	24
3 Sipag at Tiyaga PMPCI	Saltes Eggs	1	15
4 Gintong Butil PMPCI	CSF	1	39
5 Sta. Rita PMPCI	CSF	1	34
6 Palublub Primary PMPCI	Foam Mattresses	1	18
7 Development PMPCI	Basic Common Trading	1	24
8 Capas PEC	Relending	5	5
9 Talaga Primary PMPCI Livelihood Assn.	Hollow Blocks Production	1	19
10 Capas Jeepney Operators PMPCI	Spare Parts/ Auto Supply	1	61
11 Manlapig Primary PMPCI	Balut Processing	1	15
12 Capas Public Market PMPCI	Relending	23	23
13 Malutung Gabon Primary PMPCI	Metalcraft	1	16
14 Anak Pawis Primary PMPCI	Farm Machines	1	20
15 Sta. Lucia Action Group	Balut Making	1	21
16 Maruglo Primary PMPCI	Goat Raising	1	53
17 Samahan ng mga Kaba- bairang Methodista MPC	Relending	17	32
18 Bucno MPC	Goat Raising	1	37
19 St. Philips MPC	Crochet Making	29	29
TOTALS		89	524

**Types, Number and Beneficiaries of Livelihood Projects
Concepcion, Tarlac**

BARANGAY/ NGO	TYPE OF PROJECT	NO. OF PROJECTS	NO. OF BENEFICIARIES
1 mabuhay Producers Coop. Inc.	Stone Processing	1	16
2 Good Samaritan Center MPCl	Balut Processing & Duck Hatchery	1	39
3 Lingap Masipag MPC	Hollow Block Manufacturing	1	15
4 San Nicolas Concepcion Public Market MPCl	Relending	43	43
5 Cafe Primary MPCl	Duck Raising	1	8
6 Concepcion Meat Vendors MPCl	Relending	16	16
7 Pitabunan PMPCl	CSF	1	50
8 Lourdes PMPCl	CSF	1	43
TOTALS		65	230



LEGEND:

-  PROFESSIONAL SERVICES (CONSULTANCY, CONSTRUCTION, REALTOR/DEVELOPER, MEDICAL & DENTAL HEALTH SERVICES, ETC.)
-  GENERAL SERVICES (TRANSPORT, MANPOWER, AUTO/MACHINE SHOP, METAL/IRON WORKS, REPAIRS, ETC.)
-  FINANCING (LENDING INVESTOR, PAWNSHOP, BANK/COOP.)
-  SALES/MARKETING (TRADING, MERCHANDISING, SUPPLIER, DISTRIBUTOR, ETC.)
-  RESTAURANT, HOTEL, LODGING/APARTMENT, RESORT, ENTERTAINMENT, FOOD & BEVERAGES, ETC.
-  INDUSTRIAL (MANUFACTURER, GARMENTS, FURNITURES, CONCRETE/CERAMICS, ETC.)
-  FOOD/AGRI-BUSINESS (POULTRY, PIGGERY, LIVESTOCK, RICEMILL, FOOD PROCESSING, ETC.)

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND WULFLOW CONTROL PLAN
 SACORBA-BANGSAN/ARACAN RIVERS, CHAYANG,
 FROM MT. PINATUBO



**LOCATION OF REGISTERED ESTABLISHMENTS
 W/CAPITALIZATION OF P1 M. AND OVER**

ANGELES CITY

FIGURE NO

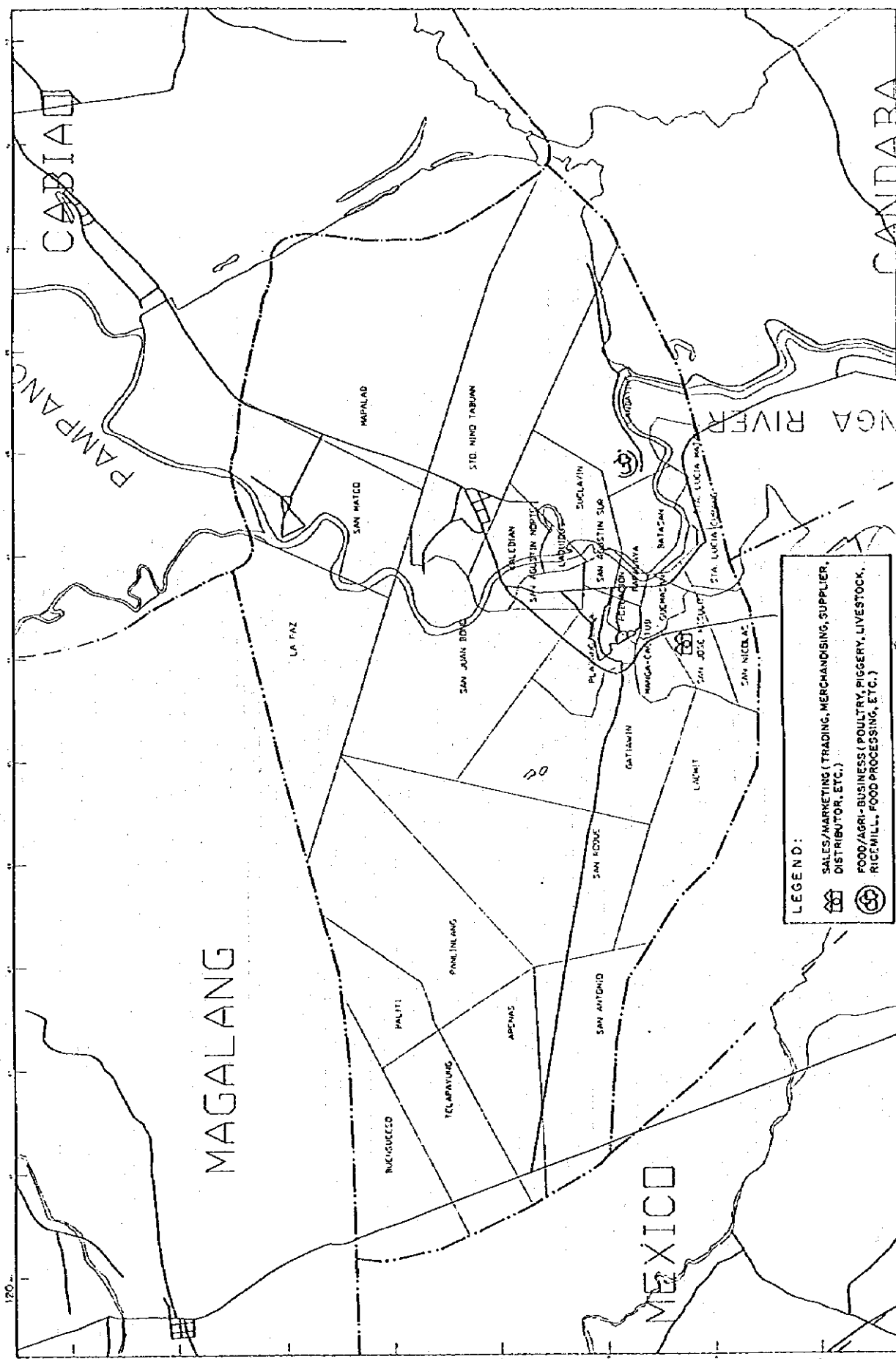


FIGURE NO. _____

ARAYAT, PAMPANGA

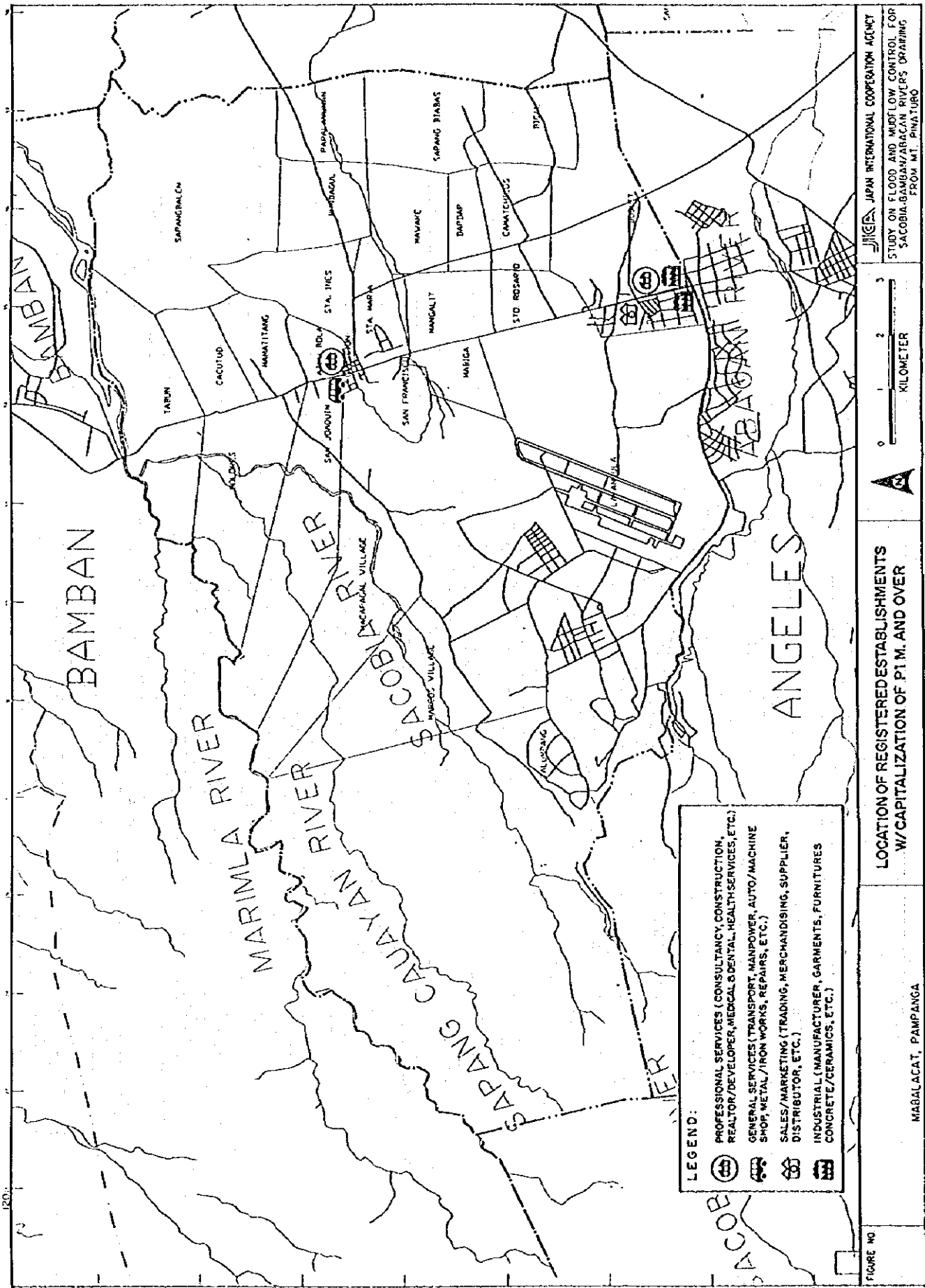
**LOCATION OF REGISTERED ESTABLISHMENTS
W/ CAPITALIZATION OF P1M. AND OVER**

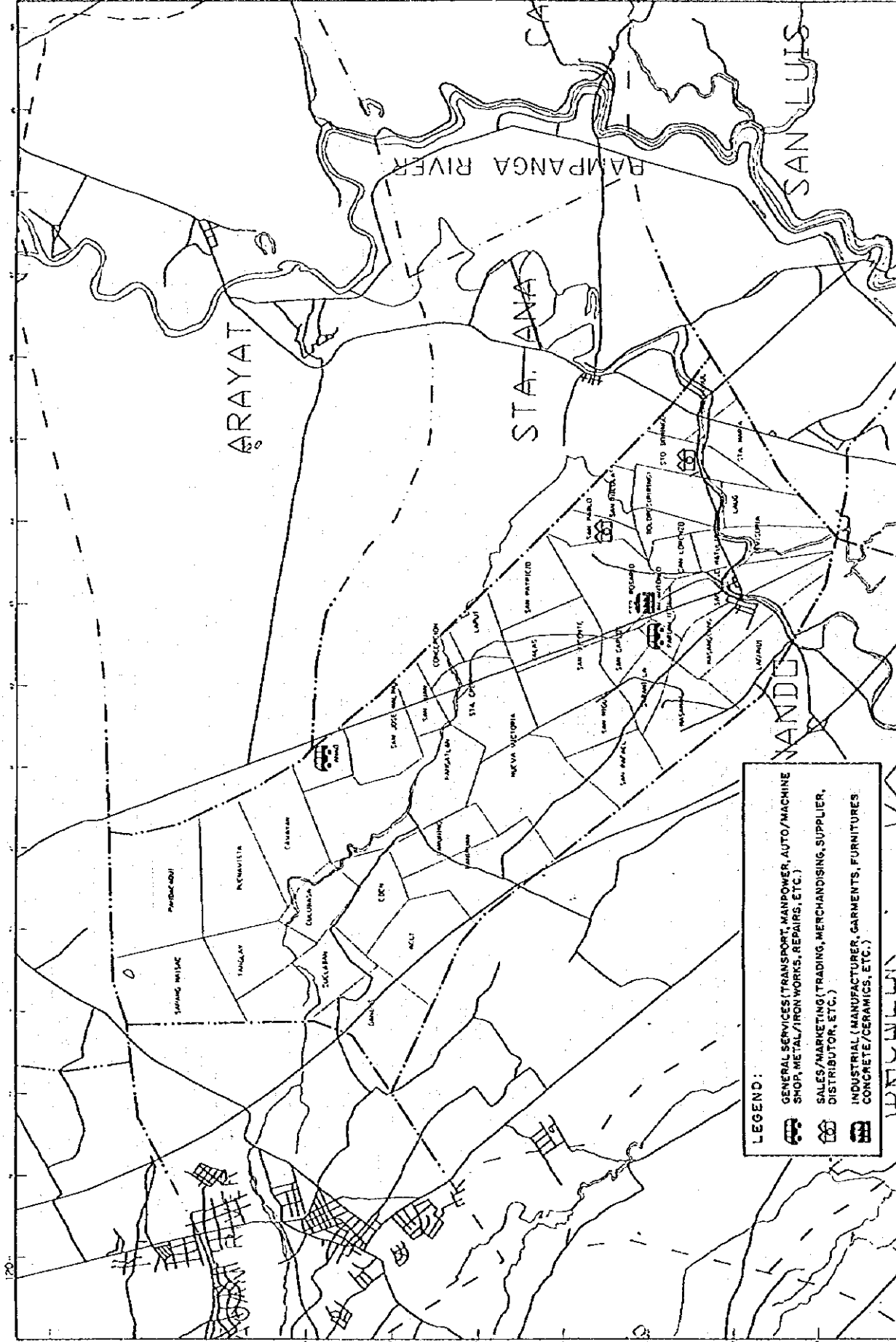
LEGEND:

- SALES/MARKETING (TRADING, MERCHANDISING, SUPPLIER, DISTRIBUTOR, ETC.)
- FOOD/AGRI-BUSINESS (POULTRY, PIGGERY, LIVESTOCK, RICEMILL, FOOD PROCESSING, ETC.)
- RICEMILL

0 1 2 3
KILOMETER

JICA, JAPAN INTERNATIONAL COOPERATION AGENCY
STUDY ON FLOOD AND MUDFLOW CONTROL (UP
SACOSIA-BAMBAN/ABACAN RIVERS) DRAINING
FROM MT. PIRATURO





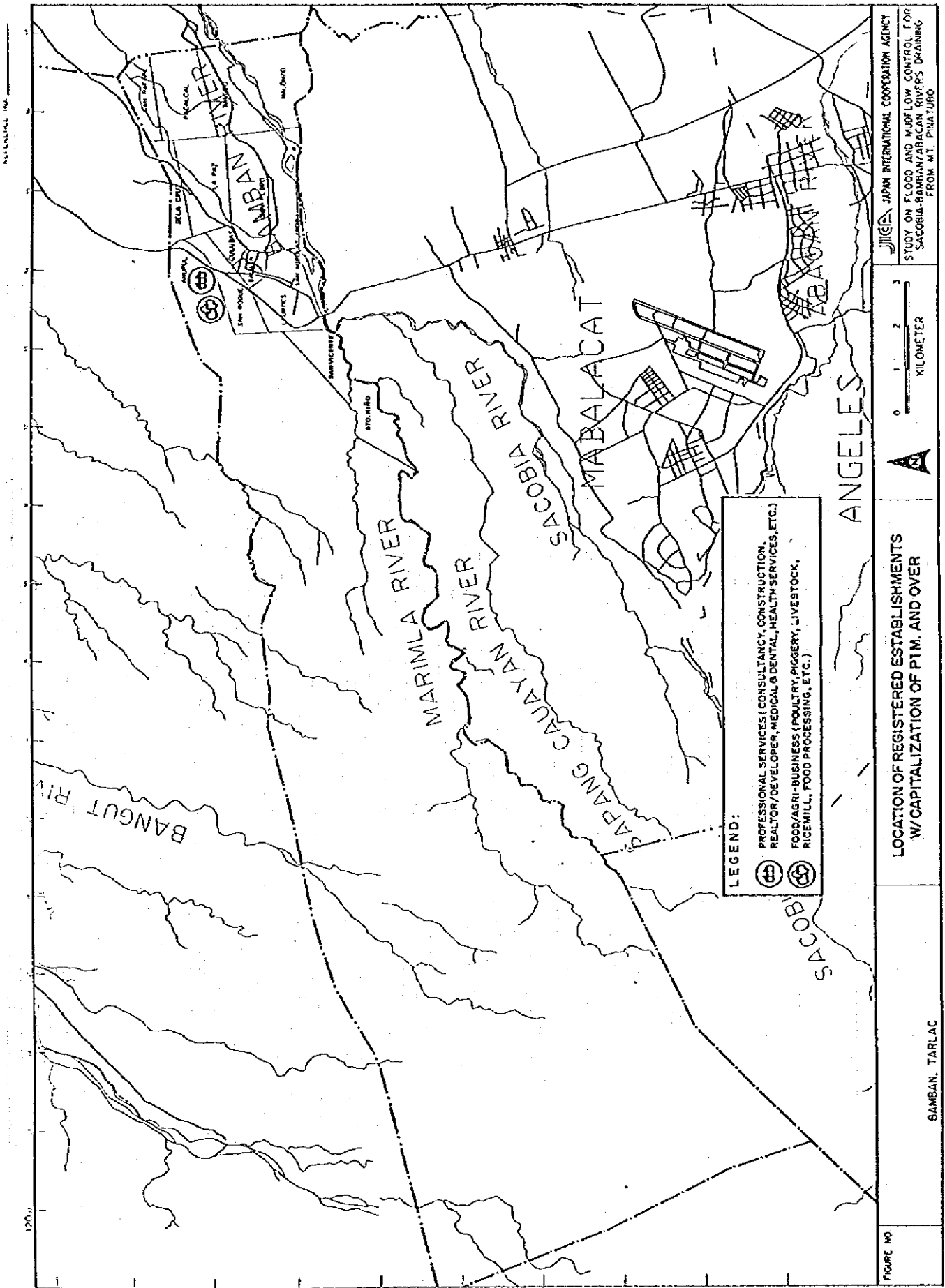
JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MUDFLOW CONTROL FOR
 SACOBIA DAMBANG/ANAPAN RIVERS, DRAINING
 FROM MT. PINAULUBO

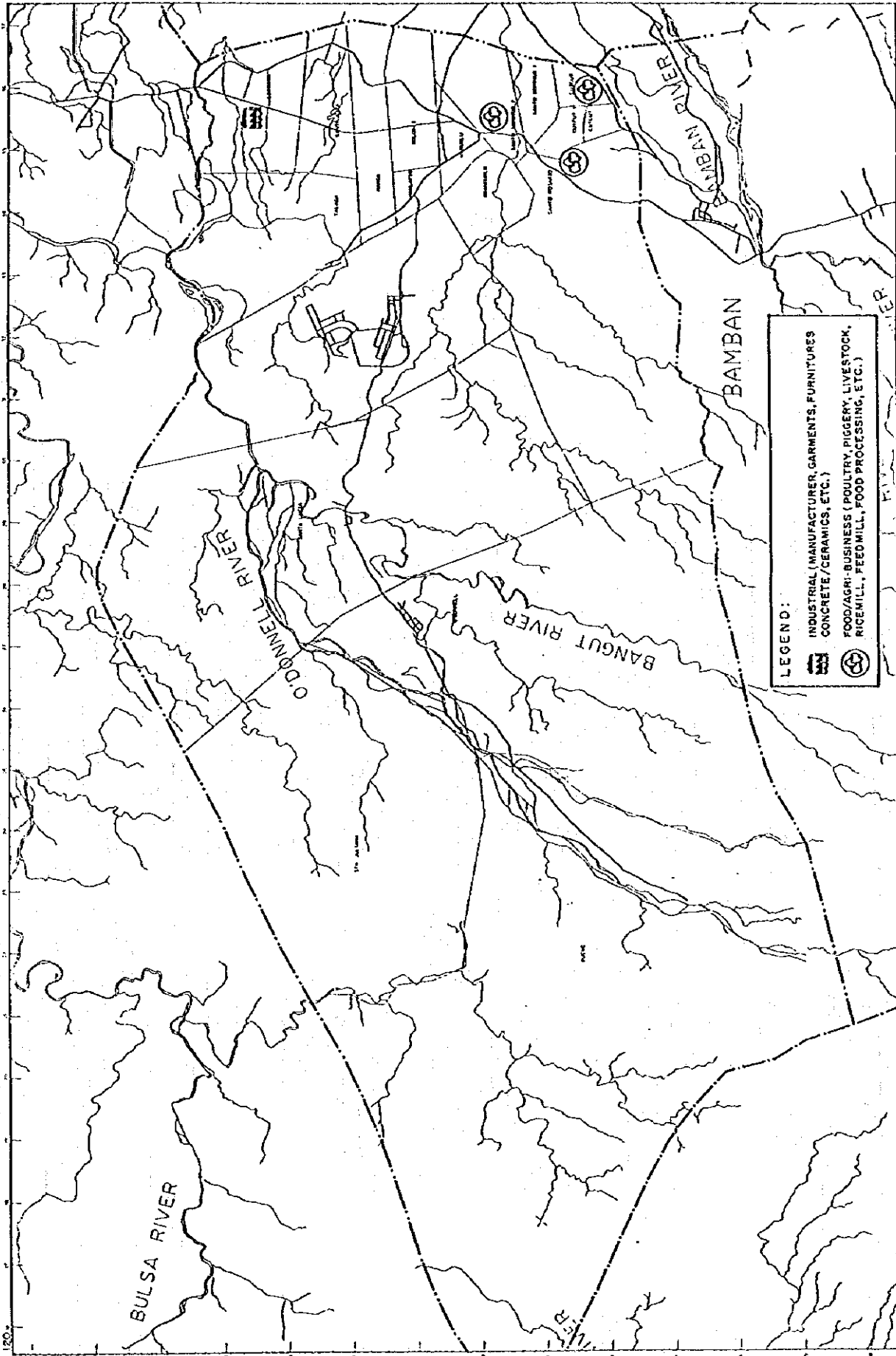
0 1 2 3
 KILOMETER

LOCATION OF REGISTERED ESTABLISHMENTS
 W/ CAPITALIZATION OF P.T.M. AND OVER



MEXICO, PAMPANGA

FIGURE NO





LEGEND:

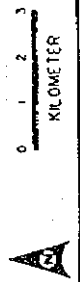
-  INDUSTRIAL (MANUFACTURER, GARMENTS, FURNITURES, CONCRETE/CERAMICS, ETC.)
-  FOOD/AGRI-BUSINESS (POULTRY, PIGGERY, LIVESTOCK, RICEMILL, FEEDMILL, FOOD PROCESSING, ETC.)

LOCATION OF REGISTERED ESTABLISHMENTS
W/CAPITALIZATION OF P1 M. AND OVER

CAPAS, TARLAC

FIGURE NO.

JICA, JAPAN INTERNATIONAL COOPERATION AGENCY
STUDY ON FLOOD AND MUDFLOW CONTROL FOR
SACOBIA-BAMBAN/ARACAN RIVERS CHANNING
FROM MT. PINATUBO



PART VI

**SCHOOL/HEALTH/RELIGION
FACILITIES**



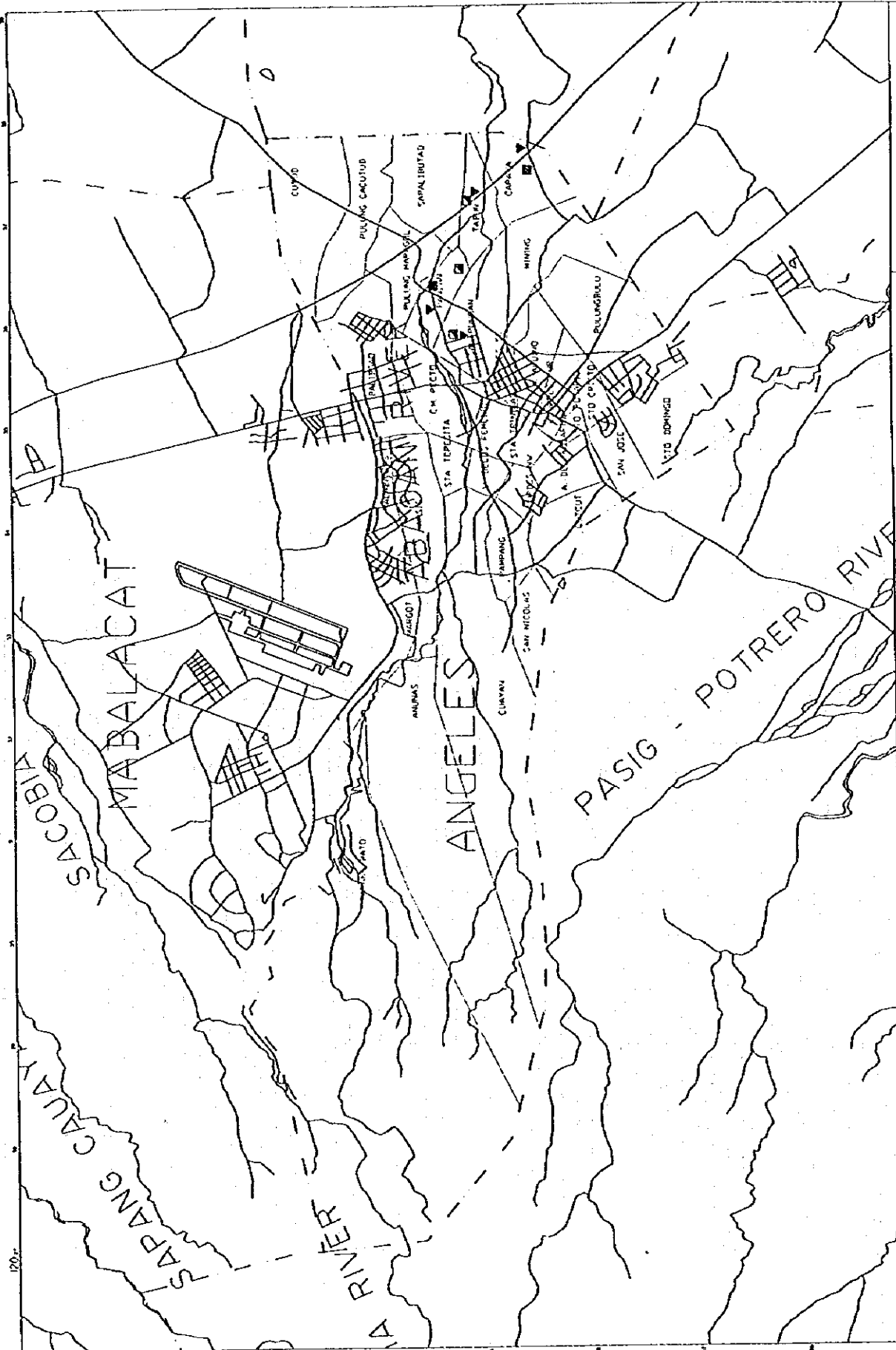


FIGURE NO. _____

Location Map
SCHOOL FACILITIES
 ANGELES CITY

LEGEND :
 ▼ DAY CARE □ ELEMENTARY ○ HIGH SCHOOL ▲ MINING

0 1 2 3
 KILOMETER

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND LOW FLOW CONTROL FOR
 SACOBIA-ABAGAN/POTRERO RIVERS DRAINING
 FROM M. PANGULO

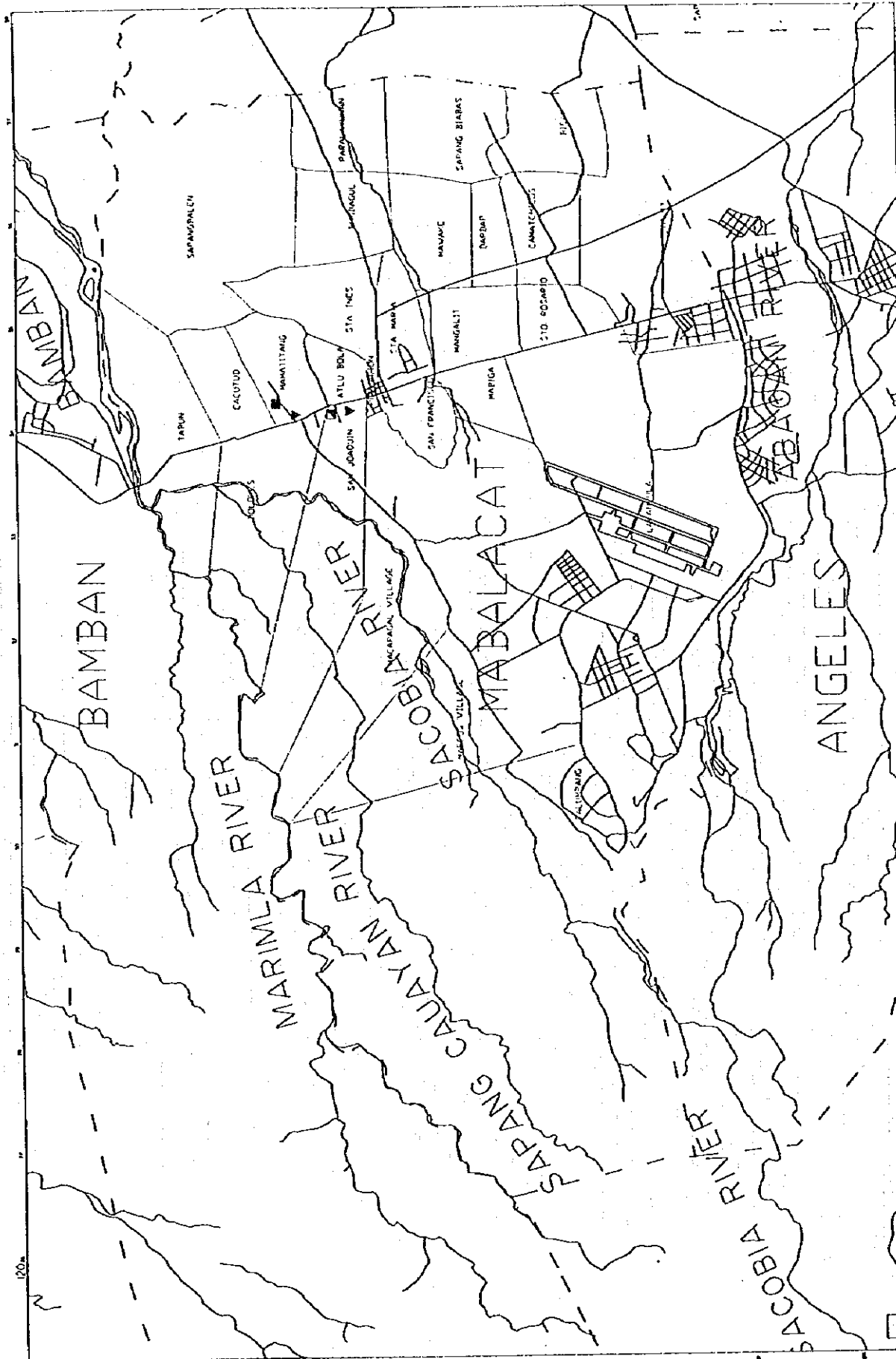


FIGURE NO. 1

Location Map
SCHOOL FACILITIES
 MABALACAT, PAMPANGA

LEGEND :

- ▼ DAY CARE
- ELEMENTARY
- HIGH SCHOOL

0 1 2 3
 KILOMETER

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY OF FLOOD AND WADFLOW CONTROL FOR
 SACOBIA-BAMBAN/ABROGAN RIVERS DRAINAGE
 FROM MT. PINATUBO

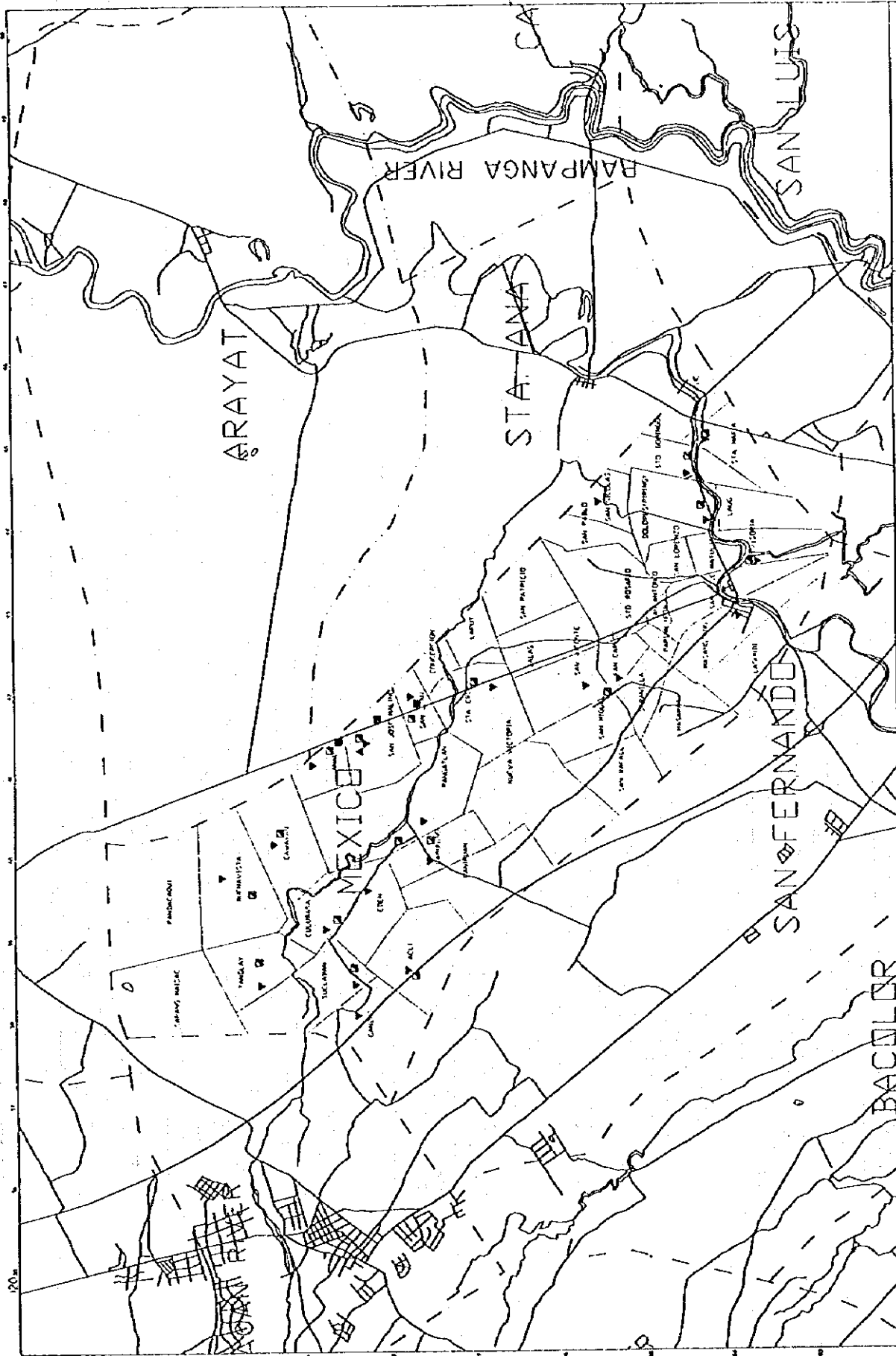


FIGURE NO. _____

Location Map
SCHOOL FACILITIES
 MEXICO, PAMPANGA

LEGEND

- ELEMENTARY
- ▲ PRE-SCHOOL
- ▼ DAY CARE
- HIGH SCHOOL

0 1 2 3
 KILOMETER

JICA, JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MUDFLOW CONTROL FOR
 SACOBIA-BARARAN/ABACAN RIVERS DRAINING
 FROM M. PINZUTUBO.

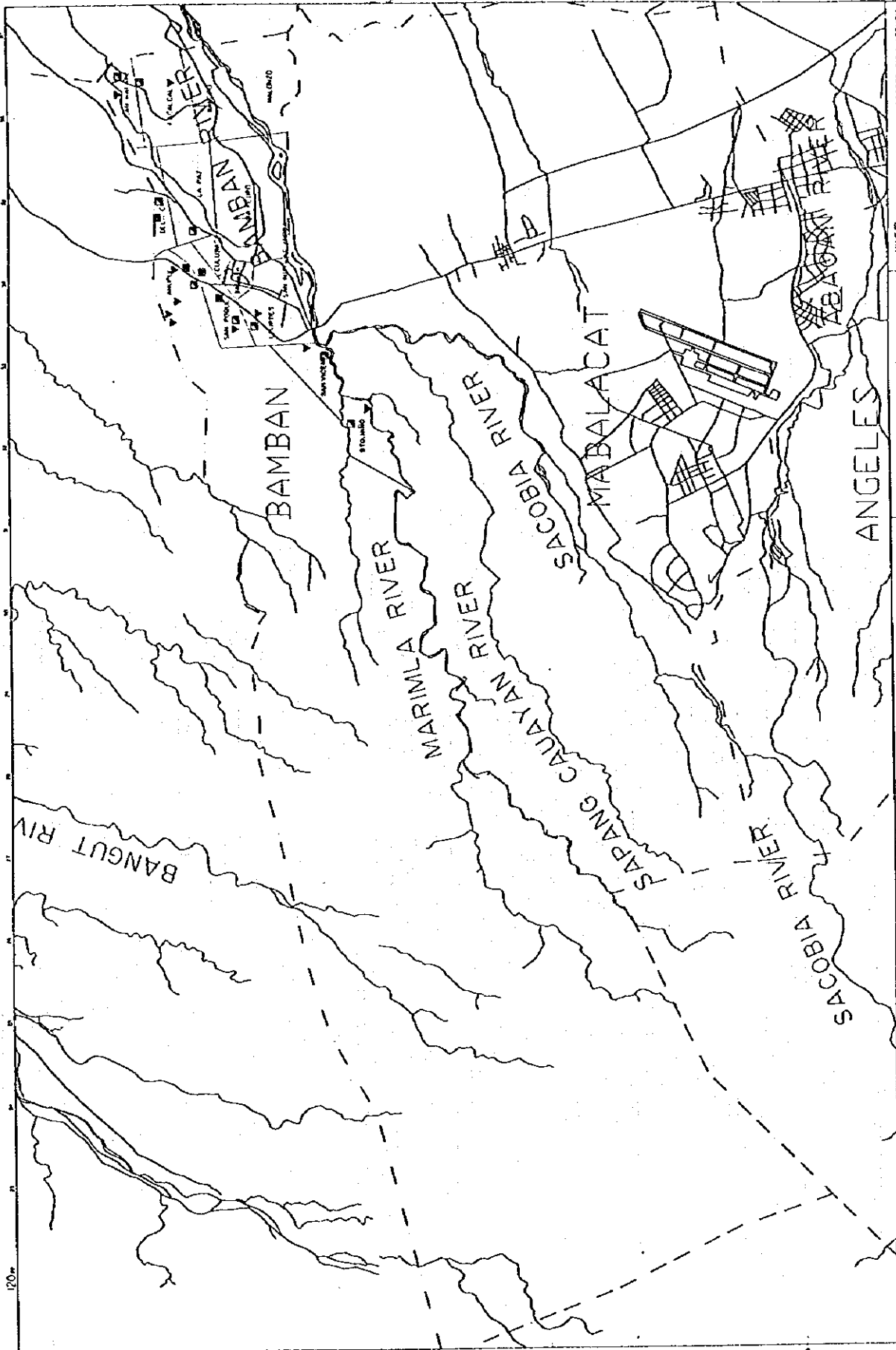


FIGURE NO. _____

Location Map
SCHOOL FACILITIES
 BAMBAN, TARLAC

LEGEND:

- ▼ DAY CARE
- ELEMENTARY
- HIGH SCHOOL

0 1 2 3
 KILOMETER

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND WIDE LOW CONTROL FOR
 SACOBIA BAMBAN/CAYAN RIVERS (TRAINING
 FROM MT. PINA LUPO)

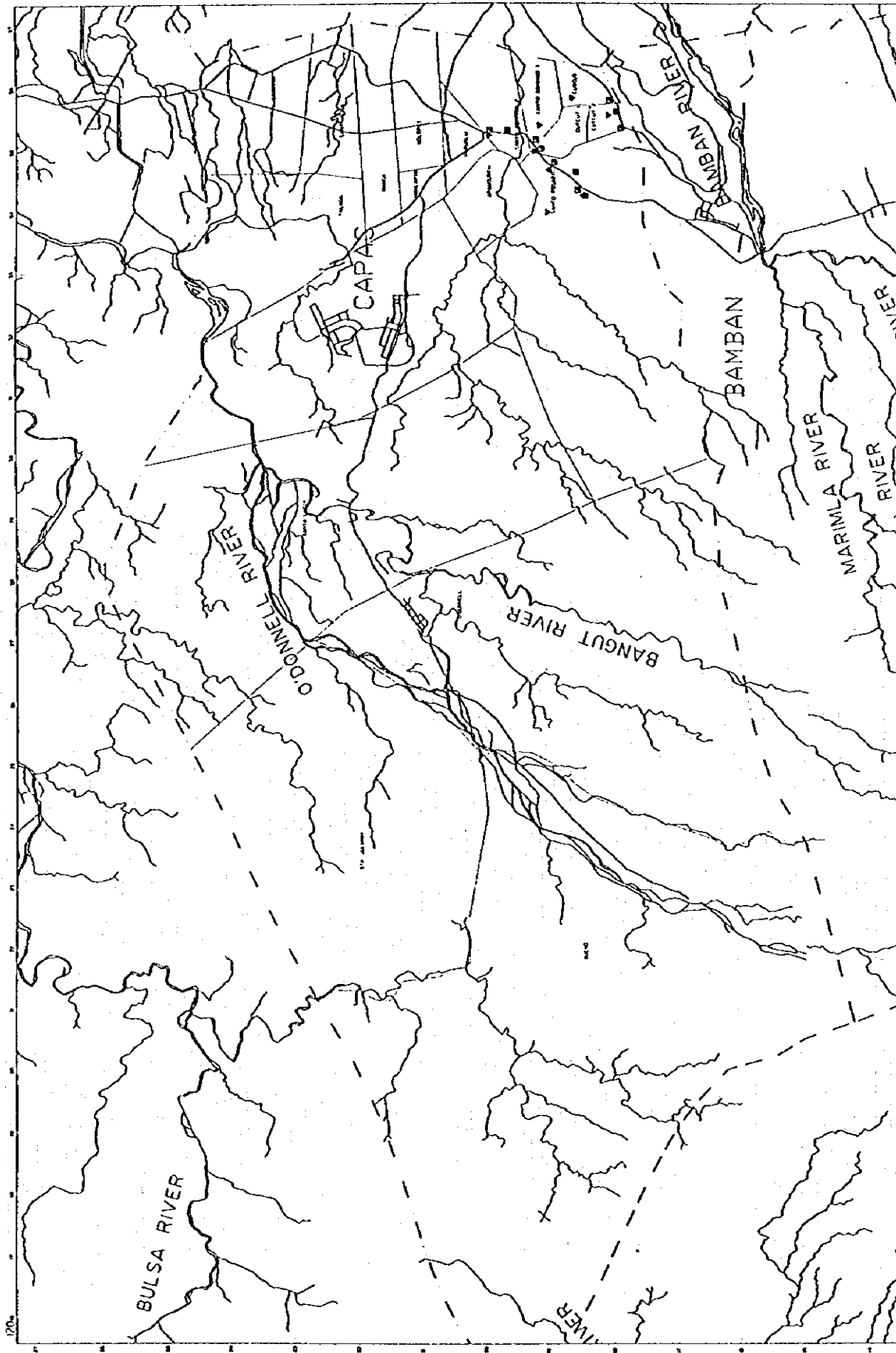


FIGURE NO. _____

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

STUDY ON FLOOD AND WATERSHED CONTROL FOR SACOBIL-BAGUIAN/ARAGUAN RIVERS DRAINING FROM MT. PINATUBO

LEGEND :

- ▲ PRE-SCHOOL
- ▼ DAY CARE
- ELEMENTARY
- HIGH SCHOOL
- TERTIARY

0 1 2 3
KILOMETER

Location Map

SCHOOL FACILITIES

CAPAS, TARLAC

FIGURE NO. _____

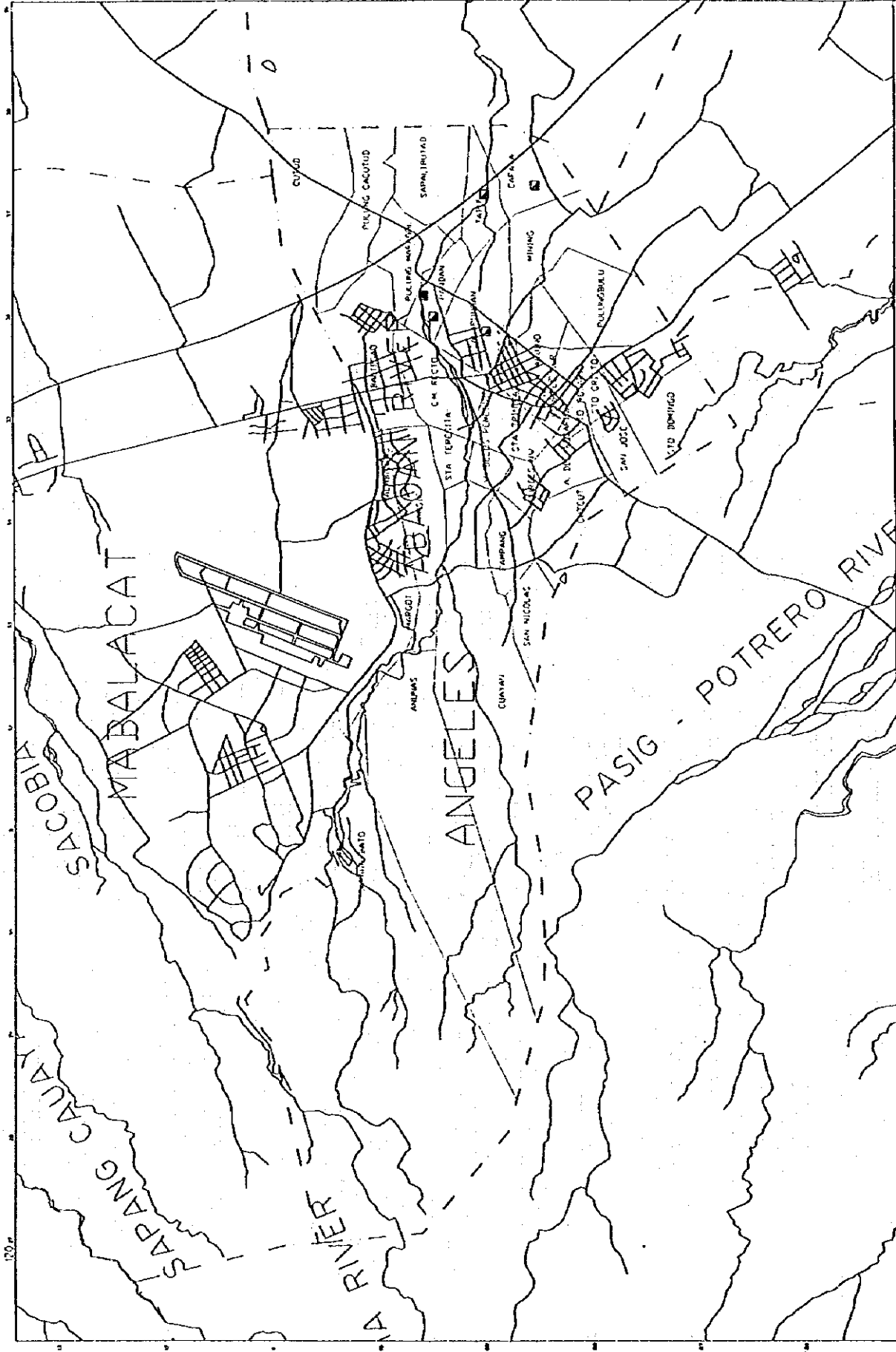


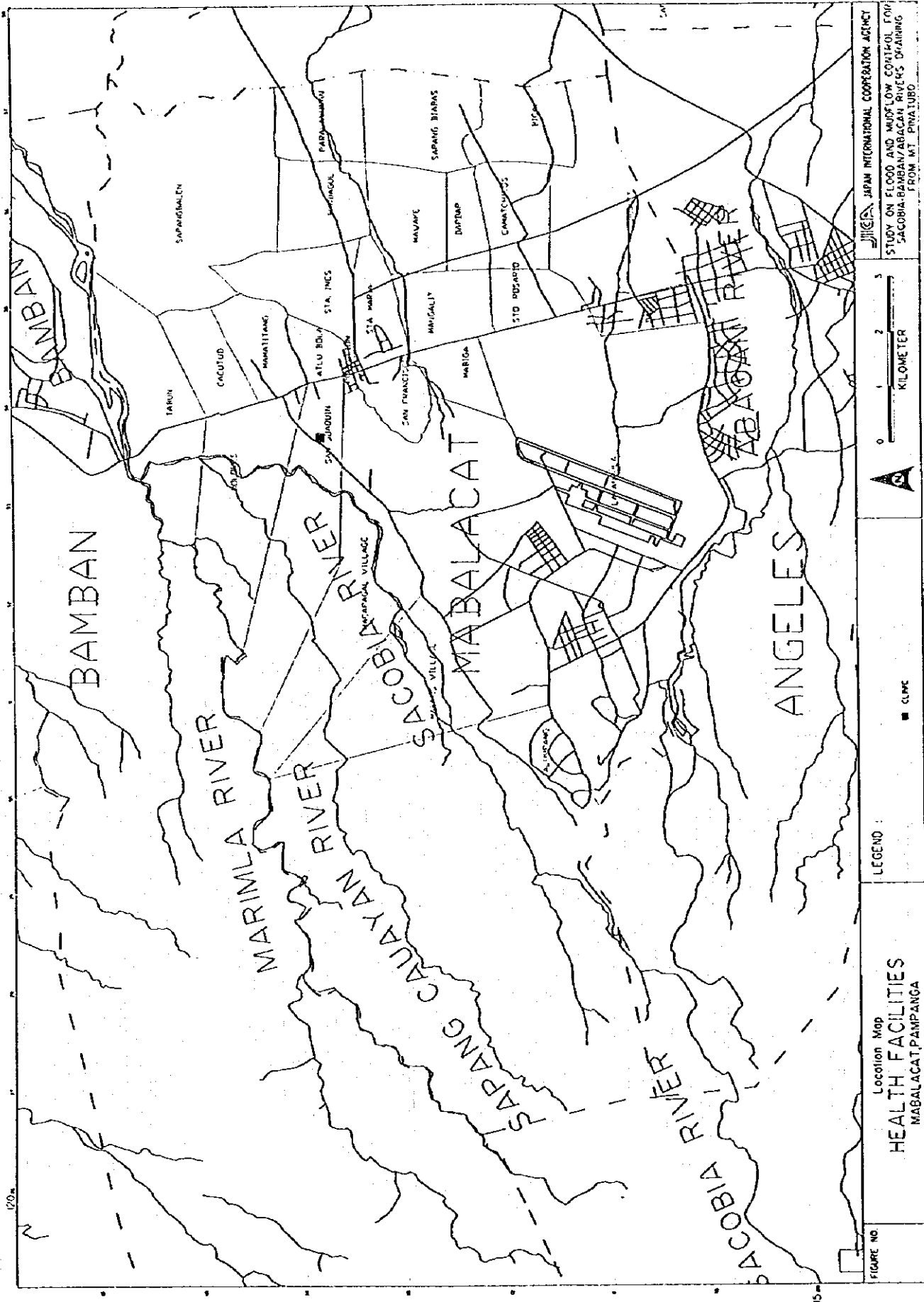
FIGURE NO. _____

Location Map
HEALTH FACILITIES
 ANGELES CITY

LEGEND:
 ■ BARANGAY HEALTH STATION
 ■ CLINIC

0 1 2 3
 KILOMETER

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MUDFLOW CONTROL FOR
 SACOBIA-BAMBAN/ARACAN RIVERS, QUATRIMS,
 FROM M. PINATUBO



JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MUDFLOW CONTROL FOR
 SACOBIA-BAMBAN/ABACAN RIVERS DRAINING
 FROM MT. PINATUBO

0 1 2 3
 KILOMETER



LEGEND :
 ■ CLWC

Location Map
HEALTH FACILITIES
 MABALACAT, PAMPANGA

FIGURE NO.

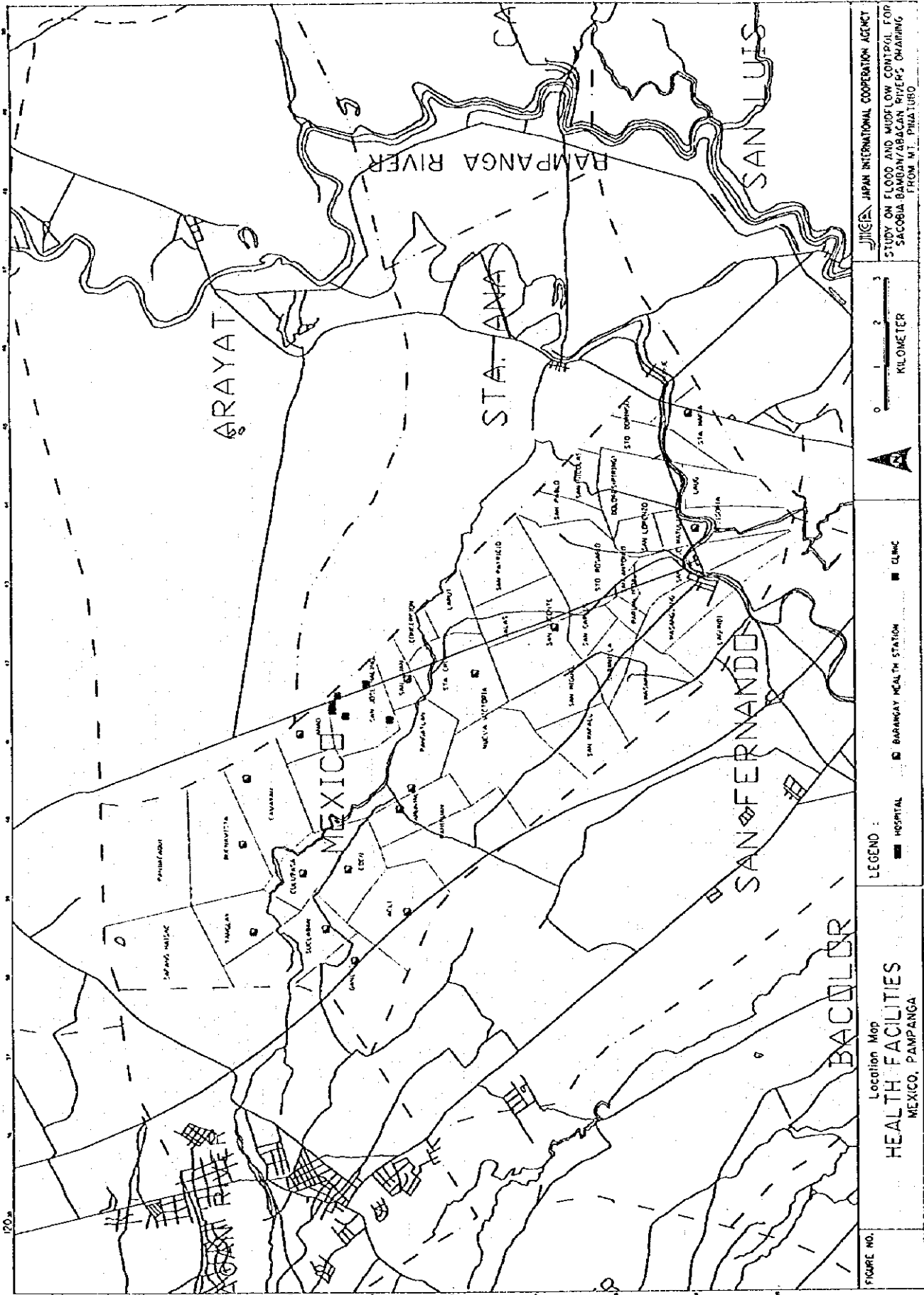


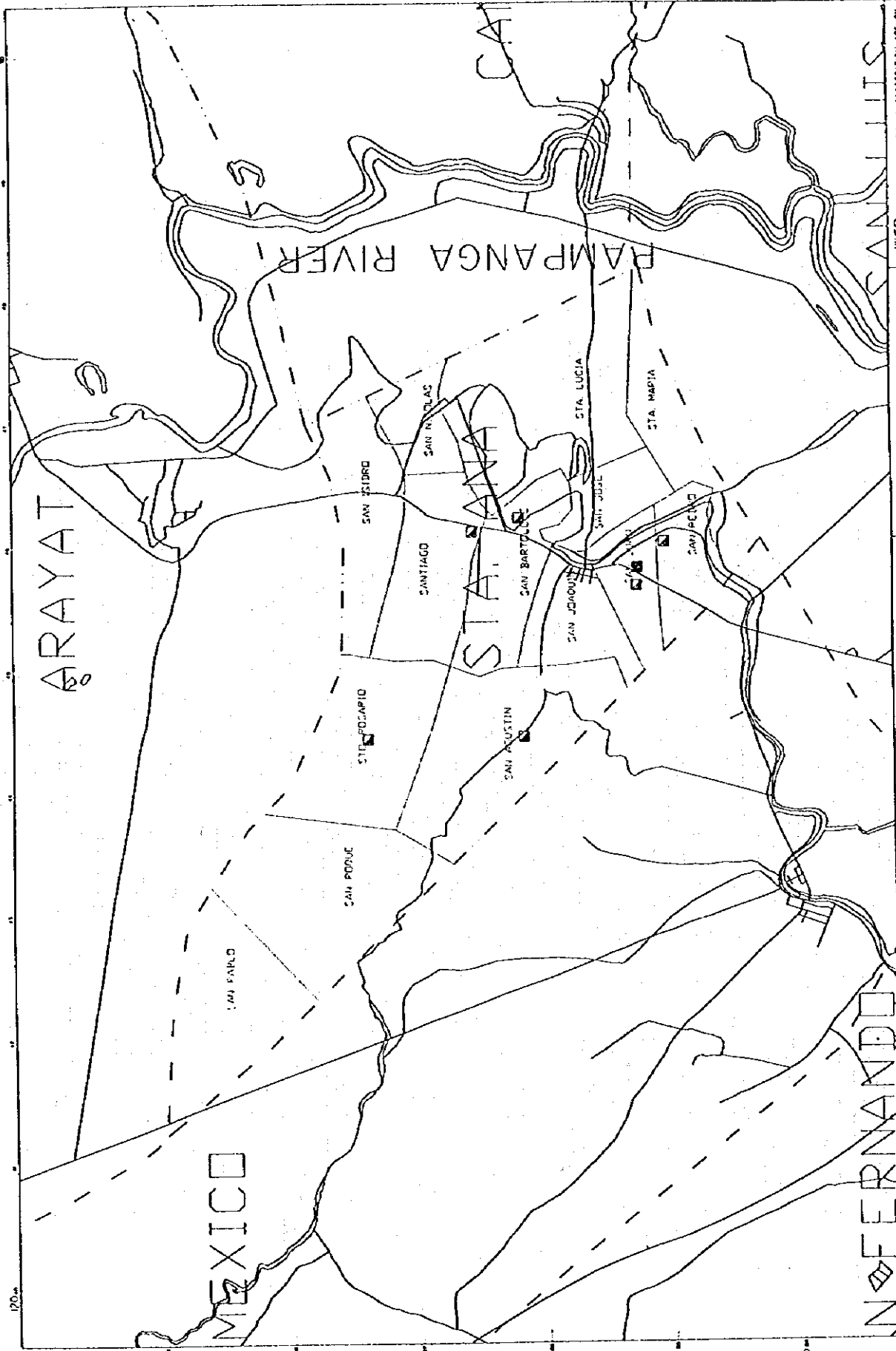
FIGURE NO. _____

Location Map
HEALTH FACILITIES
MEXICO, PAMPANGA

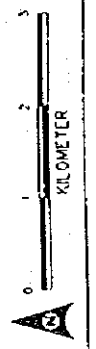
LEGEND :
 ■ HOSPITAL
 ■ BARANGAY HEALTH STATION
 ■ CLINIC

0 1 2 3
 KILOMETER

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MIDDLE LOW CONTROL FOR
 SACOBIA BAMBAN/ABACAN RIVERS CHAIRING
 FROM MT. PIRATUBO

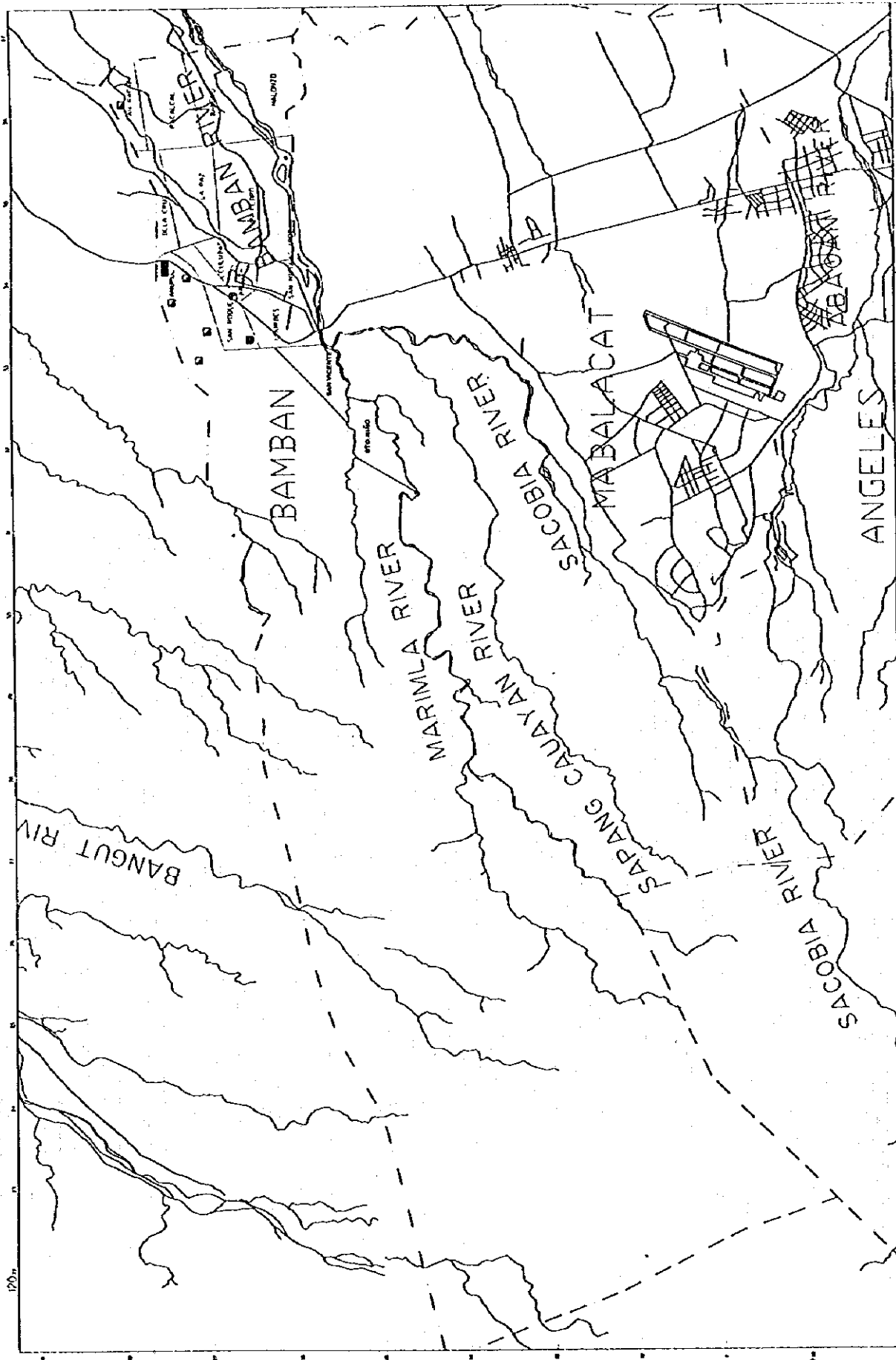


JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MIDFLOW CONTROL FOR
 JACOBIA-BANBAN/ABACAN RIVERS (PART 1)
 FROM MT. PINA TUBO

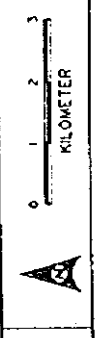


LEGEND :
 ■ BARANGAY HEALTH STATION

FIGURE NO. 1
 Location Map
HEALTH FACILITIES
 STA. ANA, PAMPANGA



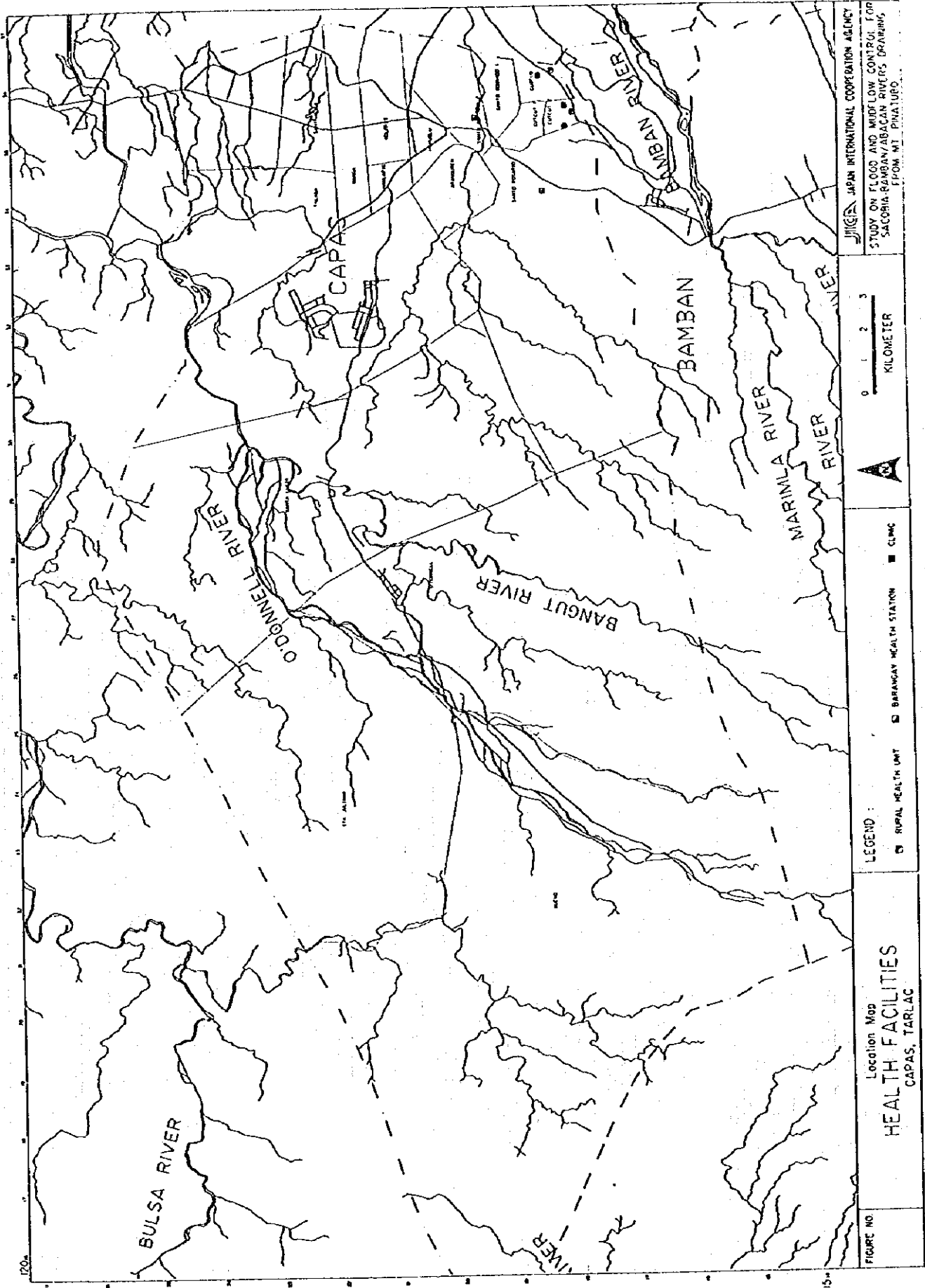
JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MUDFLOW CONTROL FOR
 SACOBIA, BAMRAN/ABACAN RIVERS DRAINING
 FROM MT. PINA LUBO



LEGEND:
 ■ BARANGAY HEALTH STATION
 ■ HOSPITAL
 ■ RURAL HEALTH UNIT

Location Map
HEALTH FACILITIES
 BAMBAN, TARLAC

FIGURE NO.



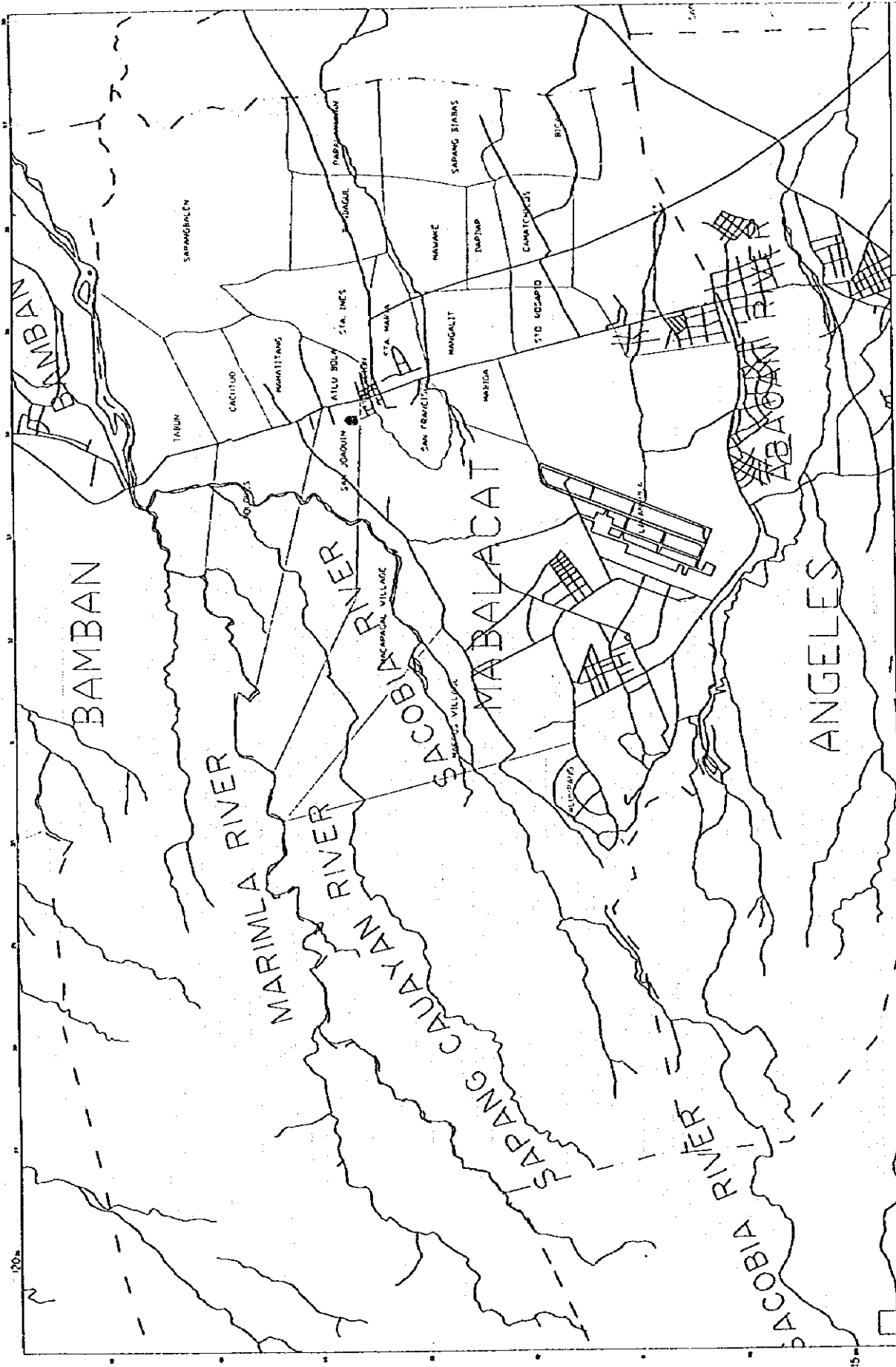


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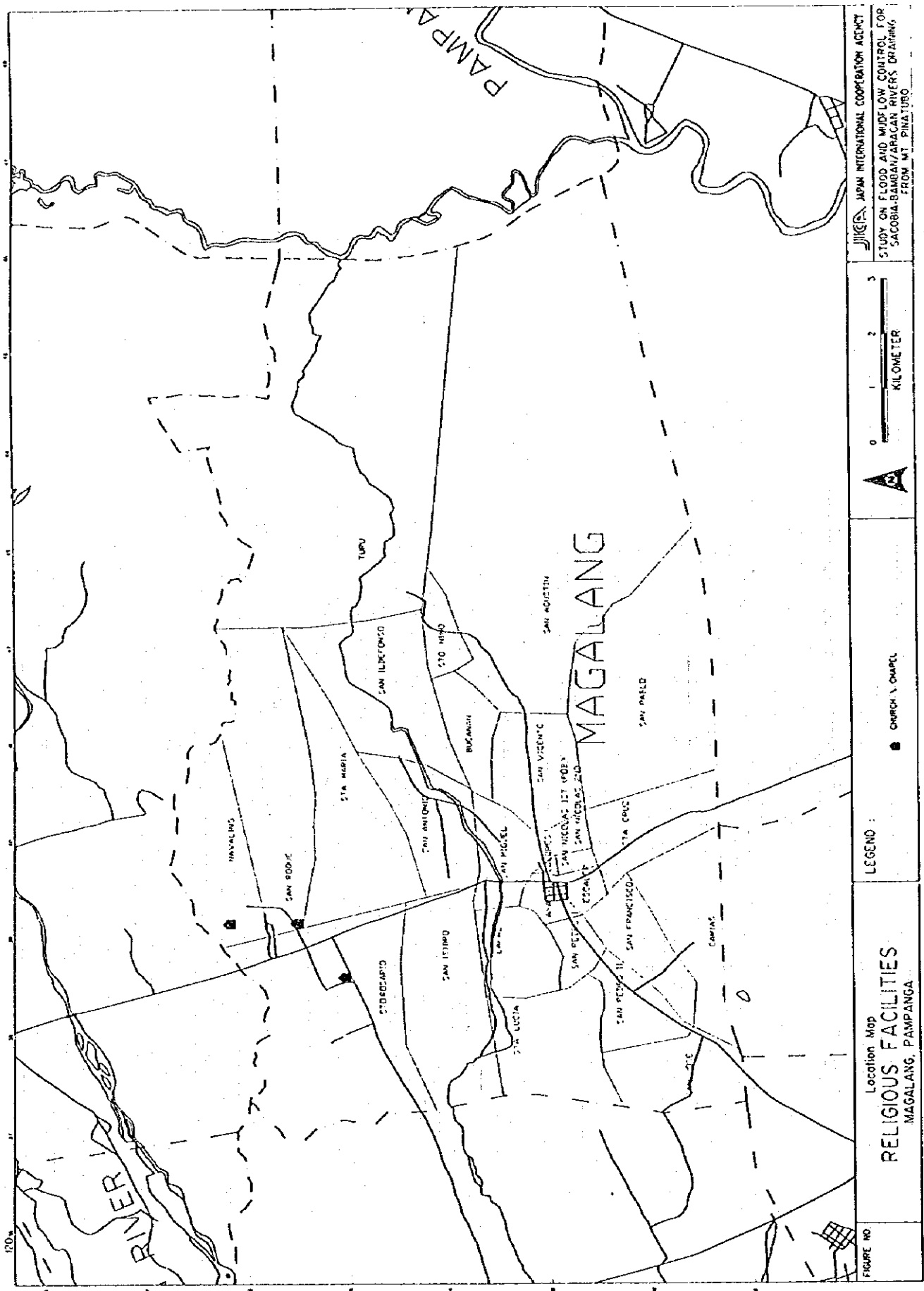
Location Map
RELIGIOUS FACILITIES
 MABALACAT, PAMPANGA

LEGEND :

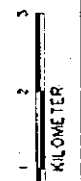
▲ CHURCH / CHAPEL

0 1 2 3
 KILOMETER

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MUDFLOW CONTROL FOR
 SACOBIA, BAMBAN/ATAKAN RIVERS DRAINAGE
 FROM MT. PINATUBO



JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MIDFLOW CONTROL FOR
 SACOBIA-BABAYAN/ARACAN RIVERS DRAINING
 FROM MT. PINATURO



LEGEND :
 ■ CHURCH & CHAPEL

Location Map
RELIGIOUS FACILITIES
 MAGALANG, PAMPANGA

FIGURE NO.

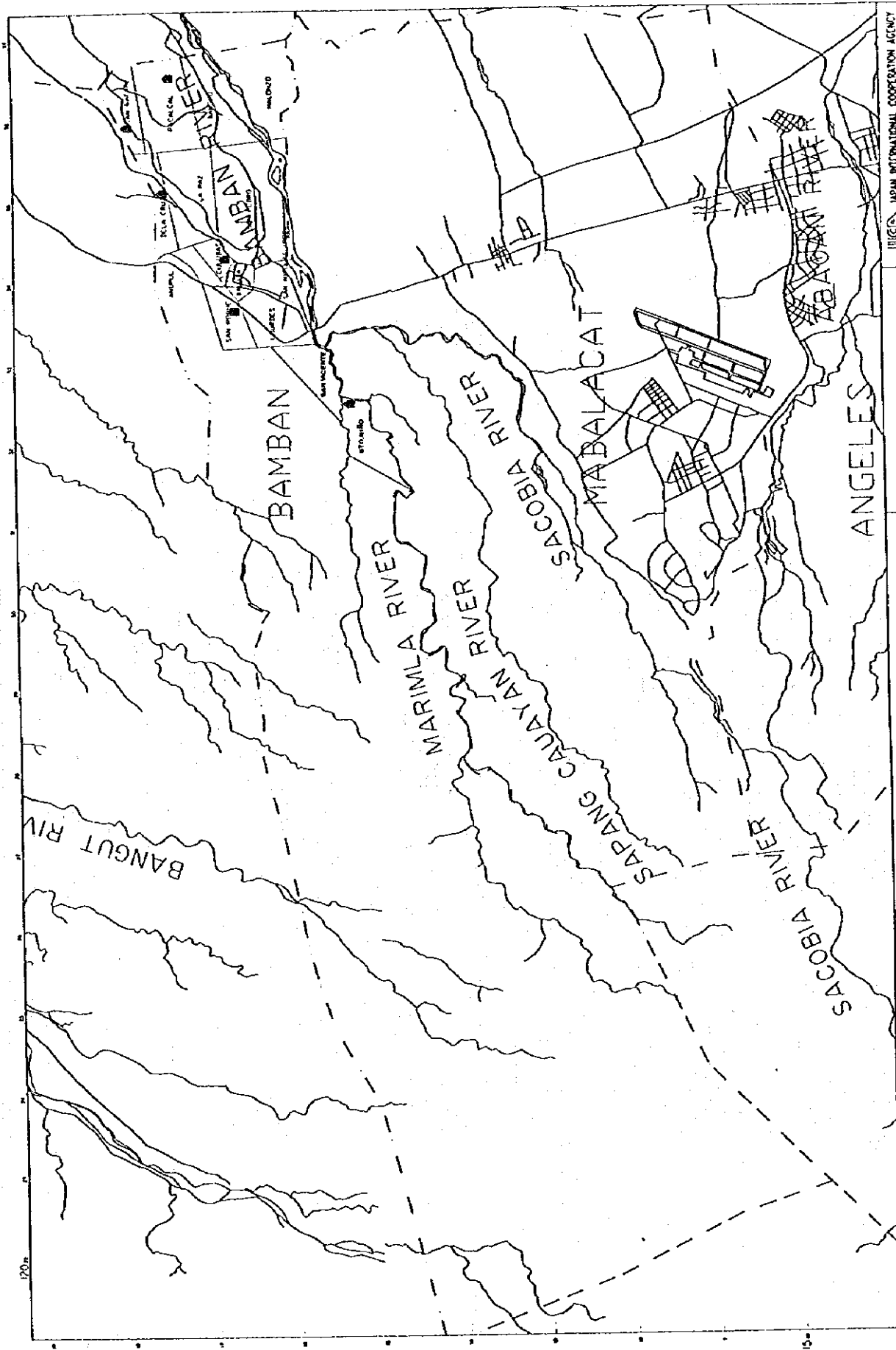


FIGURE NO

Location Map
RELIGIOUS FACILITIES
 BAMBAN, TARLAC

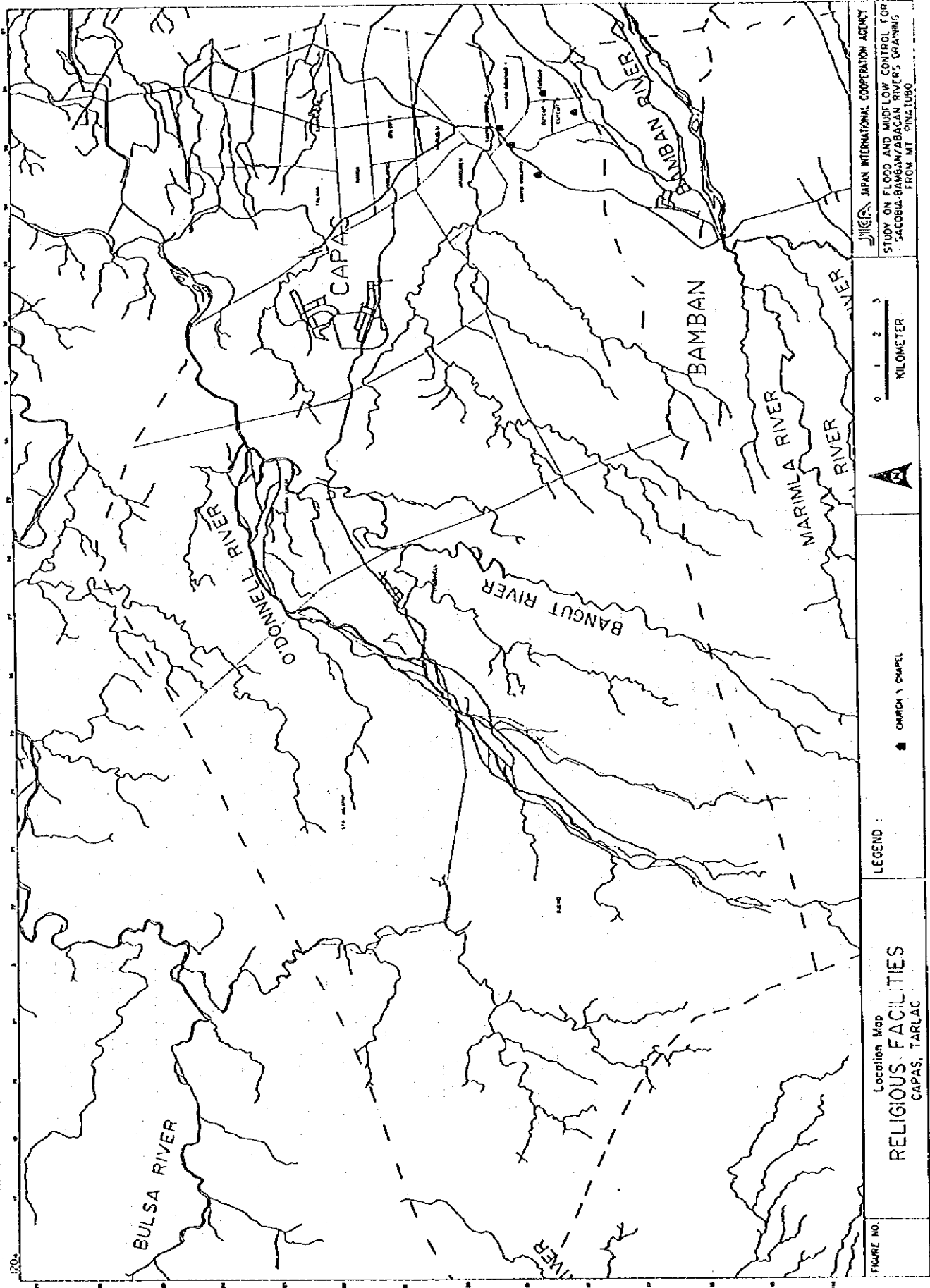
LEGEND

● CHAPEL



0 1 2 3
 KILOMETER

JICA/JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MUDFLOW CONTROL PLAN
 SACOBIA BAMBAN/ABACAYAN RIVERS DRAWINGS
 FROM MT. PINATUBO



JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND MUDFLOW CONTROL FOR
 SACOBIA BANGSAN/ABACAN RIVER'S DRAINING
 FROM MT. PINA TUBO

0 1 2 3
 KILOMETER



CHURCH
 CHAPEL

LEGEND :

Location Map
RELIGIOUS FACILITIES
 CAPAS, TARLAC

FIGURE NO.

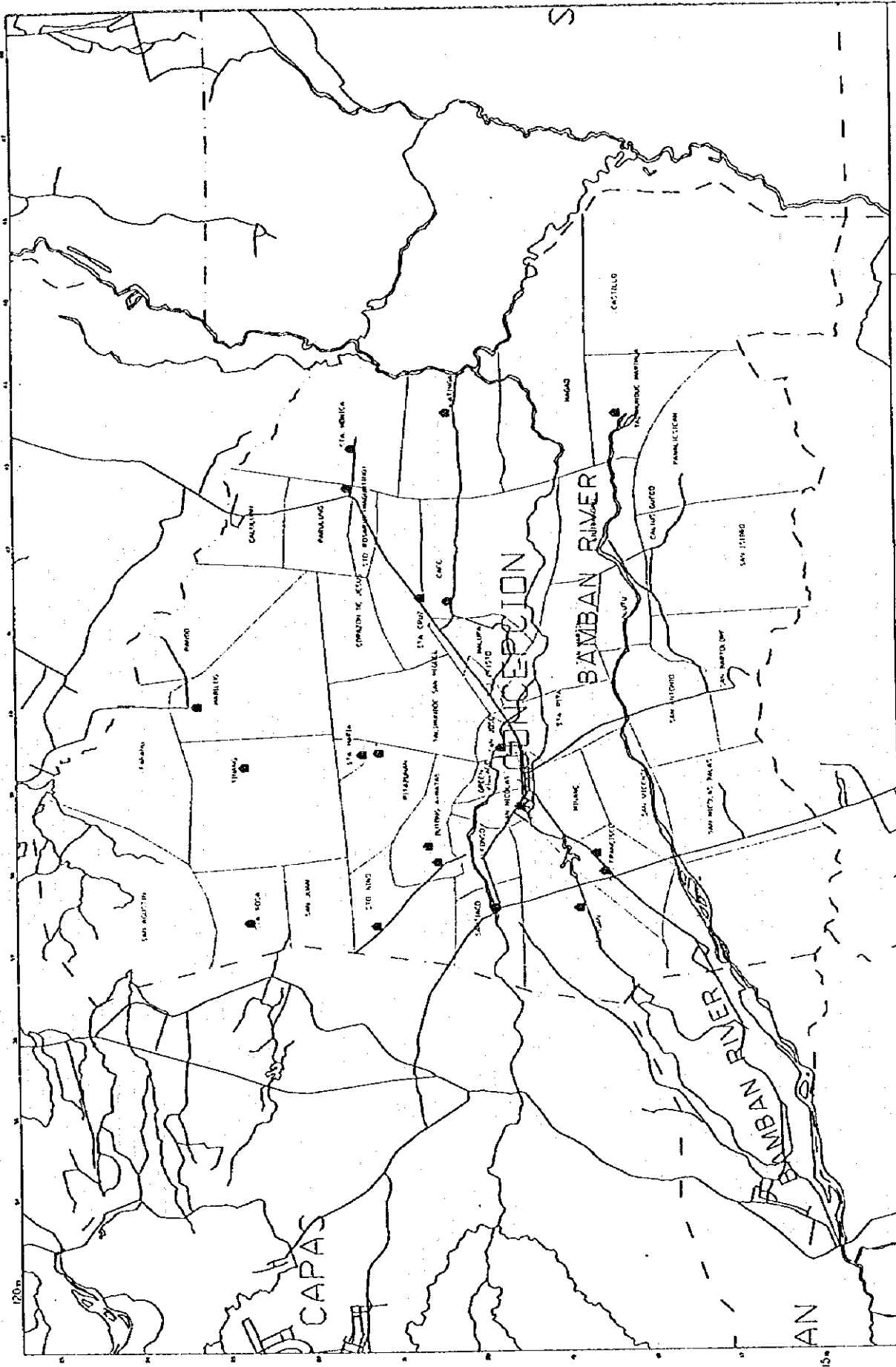


FIGURE NO. _____

Location Map
RELIGIOUS FACILITIES
 CONCEPCION, TARLAC

LEGEND :
 ● CHURCH & CHAPEL

0 1 2 3
 KILOMETER

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 STUDY ON FLOOD AND DROUGHT CONTROL FOR
 SACOBIA-BAMBAN/BERANGAL RIVERS GRABBING
 FROM MT. PINATUBO

PART VII

*DATA ON PROJECT
EVALUATION*

VII.1 Summary of Barangay Data Base in Sacobia/Bamban River Basin

Province	Municipality	Barangay	Area in sq. km	Population 1994	House Holds 1994	Buildings Residenc- (No)	Buildings Non-Res (No)	Land Cultivable Area (ha)	Road Length (m)	Infrastructure		Value of Assets (x 1000 pesos)				
										No. of Bridges	Irrigation Scheme (m)	Buildings	Land	Infra-structure		
PAMPANGA	MABALACAT	CACOTUD	1.99	840	200	101	5	0.00	171	0	7,101	521	0.00	258		
		DOLORES	5.45	256	49	1,721	2	4.91	5,569	0	0	1,329	87.02	5,030		
		MAMATING	2.01	1,291	233	261	1	118.22	0	518	0	7,558	2,097.16	243		
		SAN JOAQUIN	6.63	4,402	902	1,225	2	106.15	6,155	0	0	35,724	1,880.10	9,729		
		SAPANGBALEN	11.33	0	0	0	0	323.86	0	14,830	0	0	5,721.51	3,010		
		STA. INES	2.77	3,580	780	28	14	252.80	0	6,233	0	36,159	4,290.28	3,902		
		TABUN	5.61	0	0	0	0	0.00	2,576	0	0	0	0.00	801		
		MABALACAT	10,369	2,164	3,336	24	3,336	24	806	14,471	1	28,682	81,291	14,079	22,972	
		MAGALANG	4.26	985	163	187	0	253.12	0	47,681	0	6,211	3,378.52	26,823		
		SAN AGUSTIN	31.29	1,500	240	0	3	190.42	0	10,302	0	11,080	2,016.98	6,593		
		SAN ROQUE	6.82	1,879	321	337	0	637.87	0	76,398	0	13,915	8,910.09	48,894		
		STO. ROSARIO	10.52	2,690	488	257	0	779.88	0	41,112	0	17,679	14,036.25	21,989		
		TURU	25.46	896	140	106	0	1,970.45	0	107,211	0	6,068	23,124.61	68,607		
		MAGALANG	78.35	7,950	1,352	887	3	3,832	0	282,703	0	54,954	51,466	172,906		
		TABLAC	BAMBAN	BANABA	0.44	820	220	755	0	0.06	5,311	0	7,338	0.59	5,721	
				BANGCU	2.24	0	0	0	0	3.22	0	2,562	0	0	34.26	307
				LA PAZ	2.19	602	123	90	1	139.19	0	0	0	2,842	1,761.34	0
				LOURDES	1.43	765	163	1,660	22	16.92	15,165	0	0	11,974	180.31	21,148
				MALONZO	2.36	0	0	0	0	0.00	0	25,273	0	0	0.00	348
PAGALCAL	2.35			666	128	80	0	173.91	0	0	0	3,335	1,851.64	0		
SAN NICOLAS (POB.)	1.14			5,780	1,140	1,409	57	0.00	268	0	0	7,934	0.02	188		
SAN PEDRO	4.18			0	0	0	0	0.00	0	0	0	4,945	0.00	14		
SAN VICENTE	1.10			524	120	149	0	0.00	0	0	0	6,503	0.00	0		
STO. NINO	1.31			668	150	107	0	0.00	0	0	0	0	0.00	0		
BAMBAN	18.72			9,835	2,044	4,250	80	333	0	20,744	4	27,835	44,871	3,828	27,726	
CONCEPCION	BALUTU			BALUTU	2.07	4,380	700	455	0	0.02	0	0	8,377	4,152	0.18	734
				CAPE	8.04	1,983	365	61	0	0.00	0	0	4,047	4,001	0.00	655
				CALUS GUECO	0.58	1,320	240	163	1	34.99	0	0	0	10,283	377.59	0
				CASTILLO	17.56	2,180	420	115	0	265.67	0	0	0	10,874	2,996.31	0
				CULATINGAN	6.22	2,279	399	4	0	0.00	0	0	5,976	8,595	0.00	1,901
				DUNGAN	7.65	673	130	470	0	643.93	3,835	14	14	4,731	8,498.89	4,976
				GREEN VILLAGE	0.90	1,595	277	647	0	62.85	1,603	0	76	12,008	901.93	2,293
				LILIBANGAN	4.00	700	140	353	0	8.65	0	0	0	864	92.11	0
		MAGAO	8.91	2,740	460	356	0	0.00	0	0	1,125	1,504	0.00	54		
		MALUPA	2.14	1,460	280	231	0	0.00	0	0	0	4,092	0.00	0		
		MINANE	2.82	4,420	720	1,481	6	88.07	15,527	3	3,687	17,138	1,049.94	13,551		
		PANALISICAN	9.57	1,240	705	4	0	834.48	0	0	0	39,280	10,190	9,846.77	24,622	
		SAN ANTONIO	4.54	3,380	520	240	1	320.75	1,854	1	2,344	16,396	3,538.96	3,343		
		SAN BARTOLOME	5.01	2,040	360	690	0	341.40	290	0	24,667	15,557	3,635.02	16,142		
		SAN FRANCISCO	3.06	4,839	942	642	3	322.60	8,028	0	0	31,833	2,751.24	8,618		
		SAN ISIDRO	7.79	2,560	480	850	0	695.03	0	0	47,151	20,740	7,518.33	30,079		
		SAN JOSE (POB.)	0.67	6,248	1,195	418	60	52.31	1,079	0	0	65,318	557.01	1,510		
		SAN MARTIN	3.63	1,000	240	178	0	3.72	68	0	0	36	39.64	0		
		SAN NICOLAS (POB.)	0.99	2,797	591	611	473	46.70	4,208	0	6,254	132,163	681.57	9,894		
SAN NICOLAS BALAS	6.07	2,860	480	640	2	268.43	6,443	1	28,537	11,505	3,022.81	15,063				
STA. MONICA	3.26	1,340	240	81	19	32.96	526	2	6,274	1,849	350.95	737				
STA. RITA	7.13	3,980	747	0	3	0.00	0	0	15,082	2,361	180.76	818				
STO. CRISTO	3.08	4,080	940	884	4	16.98	2,841	2	0	2,361	0.00	3,082				
TALIM, MARMLA	0.54	1,000	240	141	1	0.00	2,245	0	0	0	127.31	0				
TALIM, SAN MIGUEL	4.06	1,231	223	377	0	11.96	0	0	0	2,223	0.00	0				
TELABANCA	5.44	1,160	240	34	2	0.00	0	0	0	10,855	0.00	0				
CONCEPCION	135.06	63,215	11,829	10,827	575	3,998	48,546	10	57,239	250,129	443,136	664.00	1,906			
Total	267.93	91,369	17,369	19,300	682	8,969	83,761	15	589,349	624,252	116,200	363,894	139,979			

VII.1 Summary of Barangay Data Base in Sacobia/Bamban River Basin

Province	Municipality	Barangay	Flood Damages by Return Period (x1000 pesos)						Flood Damages by Return Period (x1000 pesos)						Affected Area (sq. km.)	
			20 years			50 years			100 years			100 years			20 years	100 years
			Buildings	Land	Infra-structure	Buildings	Land	Infra-structure	Buildings	Land	Infra-structure	Buildings	Land	Infra-structure	20 years	100 years
PAMPANGA	MABALACAT	CACUTUD	0.00	0.00	48.94	0.00	0.00	0.00	0.00	0.00	54.10	0.00	0.00	54.10	0.00	1.62
		DOLORES	0.00	25.24	704.25	0.00	27.85	804.85	0.00	35.68	955.76	0.00	0.00	35.68	0.00	2.72
		MAMATTIANG	0.00	0.00	31.56	0.00	0.00	36.42	0.00	0.00	0.00	0.00	0.00	38.84	0.00	0.09
		SAN JOAQUIN	0.00	244.80	778.32	0.00	263.63	778.32	0.00	320.13	972.89	0.00	0.19	0.72	0.19	0.72
		SAPANGBALEN	0.00	0.00	150.52	0.00	343.09	180.62	0.00	180.62	0.00	0.00	0.00	180.62	0.00	4.53
		STA. INES	0.00	300.34	78.04	0.00	0.00	117.06	0.00	438.95	117.06	0.00	0.00	117.06	0.00	0.23
		TABUN	0.00	0.00	136.10	0.00	152.11	0.00	0.00	784.76	176.13	0.00	0.00	176.13	1.11	3.64
		MABALACAT	0.00	570.38	1,927.72	0.00	634.57	2,123.47	0.00	2,229.82	3,486.95	0.00	0.00	3,486.95	2.01	13.55
		MAGALANG	0.00	1,148.70	2,414.04	0.00	1,250.05	2,414.04	0.00	5,105.10	0.00	0.00	0.00	0.00	0.70	4.10
		SAN AGUSTIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43
		SAN ROQUE	0.00	623.70	977.89	0.00	623.71	977.89	0.00	404.30	891.01	0.00	0.00	891.01	0.09	1.50
		STO. ROSARIO	0.00	1,543.99	659.67	0.00	1,684.35	659.67	0.00	2,386.16	659.67	0.00	0.41	2.87	0.41	2.87
		TURU	0.00	3,699.94	2,744.29	0.00	3,931.18	2,744.29	0.00	6,012.40	2,058.22	0.00	3.34	14.34	3.34	14.34
		MAGALANG	0.00	7,016.33	6,795.89	0.00	7,489.29	6,795.89	0.00	11,519.40	6,693.78	0.00	4.61	23.24	4.61	23.24
		BAMBAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
BANABA	0.00	18.50	55.50	0.00	19.87	64.51	0.00	24.67	86.02	0.00	1.11	1.91	1.11	1.91		
BANGCU	0.00	158.52	0.00	0.00	158.52	0.00	0.00	211.36	0.00	0.00	0.10	0.41	0.10	0.41		
LA PAZ	0.00	3.61	0.00	0.00	5.41	211.48	0.00	5.41	0.00	0.00	0.00	0.00	0.00	0.13		
LOURDES	0.00	0.00	20.89	0.00	0.00	27.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27		
MALONZO	0.00	111.10	0.00	0.00	111.10	0.00	0.00	185.16	0.00	0.00	0.01	0.47	0.01	0.47		
PACALCAL	0.00	0.01	45.11	0.00	0.01	54.51	0.00	0.02	65.79	0.00	0.57	1.06	0.57	1.06		
SAN NICOLAS (POB.)	0.00	0.00	3.07	0.00	3.90	0.00	0.00	0.00	4.18	0.00	1.18	3.44	1.18	3.44		
SAN PEDRO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16		
SAN VICENTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24		
STO. NIÑO	0.00	291.74	124.37	0.00	294.91	362.27	0.00	426.62	190.81	0.00	3.26	9.14	3.26	9.14		
BAMBAN	0.00	0.00	46.30	0.00	0.00	22.01	0.00	162.50	29.34	0.00	0.30	0.82	0.30	0.82		
CONCEPCION	0.00	0.00	26.20	0.00	0.00	26.20	0.00	0.00	19.65	0.00	1.68	3.24	1.68	3.24		
BALUTU	0.00	115.50	0.00	0.00	141.59	0.00	0.00	182.57	0.00	0.00	0.11	0.44	0.11	0.44		
CAFE	0.00	898.89	0.00	0.00	1,378.30	0.00	0.00	1,797.78	0.00	0.00	14.82	17.64	14.82	17.64		
CALUIS GUECO	0.00	0.00	114.04	0.00	0.00	76.03	0.00	0.00	57.02	0.00	2.67	5.72	2.67	5.72		
CASTILLO	0.00	254.97	49.76	0.00	396.85	252.22	0.00	487.04	343.93	0.00	0.51	0.64	0.51	0.64		
CULATINGAN	0.00	13.82	0.00	0.00	16.58	0.00	0.00	21.18	0.00	0.00	0.65	1.55	0.65	1.55		
DUNGAN	15,668.90	39.00	2.17	0.00	39.00	2.17	0.00	366.60	0.00	0.00	0.45	0.97	0.45	0.97		
GREEN VILLAGE	0.00	571.46	1,969.83	0.00	598.46	1,490.59	0.00	650.96	1,355.08	0.00	1.97	2.83	1.97	2.83		
LILIBANGAN	0.00	22,265.19	466.29	0.00	21,059.66	2,462.28	0.00	24,622.88	2,462.28	0.00	6.31	9.26	6.31	9.26		
MAGALO	0.00	1,203.25	234.02	0.00	1,344.80	267.45	0.00	1,698.70	267.45	0.00	1.75	3.32	1.75	3.32		
MENANE	0.00	1,054.15	1,291.36	0.00	1,163.20	855.40	0.00	1,817.51	1,452.78	0.00	0.88	3.85	0.88	3.85		
PANALICSAN	0.00	1,000.50	948.03	0.00	2,556.23	2,406.28	0.00	3,232.88	2,105.50	0.00	2.19	5.73	2.19	5.73		
SAN ANTONIO	0.00	2,330.68	211.40	0.00	2,72.94	211.40	0.00	3,359.78	2,566.69	0.00	0.36	0.56	0.36	0.56		
SAN BARTOLOME	0.00	3.96	0.01	0.00	4.36	0.01	0.00	5.55	0.01	0.00	0.40	0.68	0.40	0.68		
SAN FRANCISCO	0.00	129.49	494.71	0.00	136.31	494.71	0.00	149.94	395.77	0.00	0.17	0.41	0.17	0.41		
SAN ISIDRO	0.00	1,088.21	1,506.34	0.00	1,209.12	1,506.34	0.00	1,964.83	2,410.15	0.00	1.37	5.69	1.37	5.69		
SAN JOSE (POB.)	0.00	52.64	36.84	0.00	52.64	36.84	0.00	80.72	36.84	0.00	0.00	1.15	0.00	1.15		
SAN MARTIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06		
SAN NICOLAS (POB.)	4,456.49	49.08	30.82	0.00	43.38	49.08	0.00	50.61	40.90	0.00	0.70	1.28	0.70	1.28		
SAN NICOLAS BALAS	2,805.27	41.58	30.82	0.00	43.38	49.08	0.00	50.61	40.90	0.00	0.01	0.11	0.01	0.11		
SAN VICENTE	0.00	13.48	75.12	0.00	13.48	75.12	0.00	13.48	75.12	0.00	2.32	4.00	2.32	4.00		
STA. MONICA	3,126.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01		
STA. RITA	0.00	50.93	0.00	0.00	63.66	0.00	0.00	75.12	0.00	0.00	0.00	0.00	0.00	0.01		
STO. CRISTO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
TALIM, MARCELA	0.00	278.88	209.66	0.00	325.37	228.72	0.00	418.32	381.19	0.00	4.09	7.76	4.09	7.76		
TALIM, SAN MIGUEL	0.00	14,191.74	11,044.58	0.00	16,514.11	11,765.56	0.00	20,833.19	12,423.24	0.00	48.28	88.13	48.28	88.13		
TELABANCA	72,255.45	22,070.19	19,892.55	0.00	24,932.88	21,047.18	0.00	31,563.97	21,303.33	0.00	58.16	134.06	58.16	134.06		
CONCEPCION	72,255.45	22,070.19	19,892.55	0.00	24,932.88	21,047.18	0.00	31,563.97	21,303.33	0.00	58.16	134.06	58.16	134.06		
Total																

VII.2 Summary of Barangay Data Base in Abacan River Basin

Province	Municipality	Barangay	Area in sq.km	Population 1994	House Holds 1994	Buildings		Land Cultivable Area (ha)	Road Length (m)	Infrastructure		Value of Assets			
						Residential	Non-Res.			No. of Bridges	Irrigation Scheme (m)	Buildings	Land	Infra-structure	
PAMPANGA	ANGELES CITY	CAYAYA	1.00	4,095	815	693	0	143.13	4,940	0.0	0	25,180	2,483.05	4,929	
		PANDAN	0.97	7,992	1,590	1,352	14	0.00	3,076	1.0	0	36,502	0.00	2,350	
		PULONG MARAGUL	1.52	8,120	1,660	1,411	0	14.74	24,273	0.0	0	59,469	254.36	28,107	
		SALAPUNGAN	2.09	5,122	998	848	68	22.07	56,419	0.0	0	56,828	245.09	77,550	
		SAPALIBUTAD	2.17	2,900	540	459	0	163.67	7,075	0.0	0	20,515	2,985.21	9,145	
		TABUN	1.06	1,341	258	219	0	76.79	8,981	1.0	0	6,803	1,215.25	7,982	
		ARENAS	9.47	29,570	5,961	4,982	82	420.39	104,784	2.0	0	205,296	6,768	130,263	
		ARAYAT	3.88	2,520	400	340	0	343.49	3,400	0.0	0	17,340	5,007.04	4,886	
		LACMIT	5.15	3,440	620	527	0	459.56	0	0.0	9,250	26,877	5,363.26	5,920	
		SAN ANTONIO	5.23	1,900	340	289	0	469.18	6,532	0.0	0	14,739	8,224.64	9,223	
	MEXICO	ARAYAT	SAN ANTONIO	14.25	7,860	1,360	1,156	0	1,265	10,023	0.0	9,250	58,956	18,595	20,029
			ANAO	1.08	1,972	355	302	0	82.70	1,843	0.0	1,440	15,389	1,867.03	3,502
			BALAS	2.05	1,420	320	272	4	97.76	5,807	1.0	0	812	1,040.86	477
			BUENAVISTA	3.95	911	137	116	1	380.70	0	0.0	1,065	6,121	5,107.42	677
			CAMUNING	1.84	1,374	220	187	0	169.45	1,879	0.0	7,474	9,537	2,252.23	7,414
			CAWAYAN	3.18	743	128	111	1	297.52	1,940	0.0	0	5,546	4,194.09	2,798
			CONCEPCION	0.67	1,400	260	221	1	36.38	0	0.0	0	2,867	1,447.88	40
			CULUBASA	1.57	1,693	280	238	4	127.72	130	0.0	0	6,320	323.51	0
			DIVISORIA	2.20	1,125	195	164	2	171.75	2,836	0.0	12,275	5,783	1,828.63	7,756
			DOLORES (PRING)	2.67	1,222	194	165	1	166.77	3,415	1.0	0	4,218	1,931.94	2,604
			EDEN	2.23	540	90	77	0	215.66	2,691	0.0	0	3,474	2,680.12	3,355
			GANDUS	3.24	490	85	72	0	296.50	8,501	0.0	0	23,962	2,350.90	2,687
			LAGUNDI	2.65	2,340	480	408	14	212.63	1,920	0.0	0	0	248.11	0
			LAPUT	1.18	1,451	234	199	0	23.50	0	0.0	1,084	14,739	1,614.86	1,312
			LAUG	1.59	1,980	340	289	0	151.67	442	0.0	0	6,069	3,096.26	75
			MASAMAT	2.58	620	140	119	0	208.06	54	0.0	367	18,256	2,062.52	17,570
			MASANGSANG	2.76	1,797	338	287	16	191.63	11,989	1.0	11,790	5,302	6,874.26	6,296
PANGATLAN	5.90	1,381	201	171	1	519.75	2,192	0.0	0	50,639	461.51	0			
PARLAN (POB.)	0.39	4,680	820	697	67	38.67	0	0.0	0	8,895	1,255.98	0			
SABANTILLA	1.23	900	200	170	1	102.94	0	0.0	0	27,611	235.81	0			
SAN ANTONIO	0.28	4,160	740	629	13	22.15	0	0.0	0	19,142	975.05	0			
SAN CARLOS	0.84	1,974	400	340	8	81.95	0	0.0	0	25,588	2,848.30	5,364			
SAN JOSE MALINO	2.39	3,532	585	497	5	224.29	3,966	0.0	0	12,287	1,276.74	7,685			
SAN JOSE MATULID	2.22	2,380	360	306	0	119.91	5,238	3.0	1,215	10,260	1,024.21	0			
SAN JUAN	1.01	2,351	458	389	0	96.19	0	0.0	0	5,427	1,896.22	1,100			
SAN ROQUE	1.54	660	120	102	1	140.84	0	2.0	0	18,424	2,257.43	0			
SAN VICENTE	2.19	2,677	425	361	0	211.90	0	0.0	0	8,055	2,210.54	5,428			
STA. CRUZ	3.21	1,569	274	233	1	207.62	4,647	3.0	0	16,065	1,681.60	614			
STA. MARIA	1.73	1,778	355	302	3	154.62	439	0.0	0	13,983	1,604.23	4,092			
STO. DOMENGO	1.85	1,253	255	217	13	150.33	2,923	0.0	0	746	2,344.27	53			
STO. ROSARIO	3.28	2,020	400	340	5	220.18	546	1.0	0	2,005	4,269.89	24			
SUCLABAN	3.14	622	102	87	0	275.34	37	0.0	0	0	0	0			
TANGLAY (TANGLE)	2.25	779	140	119	0	213.76	0	0.0	0	4,591	3,413.88	0			
MEXICO		68.88	53,694	9,651	8,203	162	5,614	63,433	12.0	36,709	355,705	71,246	92,528		
SANTA ANA	SANTA ANA	SAN AGUSTIN	3.30	1,931	330	288	1	454.76	5,908	0.0	0	8,754	4,841.92	4,852	
		SAN BARTOLOME	2.71	1,242	224	190	5	221.66	0	0.0	0	10,837	2,360.10	0	
		SAN ISIDRO	3.00	4,780	800	680	3	276.28	0	0.0	260	35,536	3,018.04	166	
		SAN JOAQUIN (POB.)	2.05	2,198	368	313	66	163.75	245	1.0	0	30,819	1,743.46	550	
		SAN JUAN	1.49	3,084	299	220	3	91.27	245	0.0	0	11,900	971.76	343	
SANTA ANA	SANTA ANA	SAN PABLO	3.96	3,080	580	493	0	372.69	4,565	0.0	1,212	25,143	5,399.52	6,391	
		SAN PEDRO	1.66	1,047	160	136	0	105.03	1,222	0.0	0	6,936	1,116.10	2,486	
		SAN ROQUE	5.29	2,412	393	334	1	397.89	6,468	0.0	590	11,695	4,236.44	6,397	
		SANTIAGO	3.11	2,647	471	400	0	270.75	0	0.0	0	29,418	3,039.47	0	
		SANTO ROSARIO	4.04	663	113	96	417	389.07	0	0.0	5,325	98,828	4,254.15	3,408	
SANTA ANA	32.62	21,404	3,707	3,151	496	417	18,408	1.0	7,377	260,689	30,981	24,583			
Total	125.22	112,528	20,579	17,492	740	10,043	196,647	15,000	53,335	880,645	127,610	267,403			

VII.2 Summary of Barangay Data Base in Abecan River Basin

Province	Municipality	Barangay	Flood Damages by Return Period (x1,000 pesos)				Flood Damages by Return Period (x1,000 pesos)				Flood Damages by Return Period (x1,000 pesos)			
			2 years		5 years		10 years		10 years		10 years		10 years	
			Buildings	Land	Infra-structure	Buildings	Land	Infra-structure	Buildings	Land	Infra-structure	Buildings	Land	Infra-structure
PAMPANGA	ANGELES CITY	CAPAYA	0.00	0.00	1,133.69	0.00	0.00	1,330.86	0.00	0.00	0.00	0.00	1,380.15	
		PANDAN	0.00	0.00	765.06	0.00	0.00	714.06	0.00	0.00	0.00	0.00	484.54	
		PULONG-MARAGUL	764.40	0.00	1,686.39	904.80	0.00	1,686.39	1,033.00	0.00	0.00	0.00	1,686.39	
		SALAPUNGAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		SAPALIBUTAD	70.20	0.00	548.70	107.25	0.00	640.15	107.25	0.00	0.00	0.00	731.60	
		TABUN	234.00	0.00	3,512.15	245.70	0.00	3,911.26	253.50	0.00	0.00	0.00	4,150.73	
			1,068.60	0.00	7,645.99	1,257.75	0.00	8,243.74	1,413.75	0.00	0.00	0.00	8,653.40	
			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	ARAYAT	ARENAS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		LACMIT	0.00	0.00	276.68	0.00	0.00	276.68	0.00	0.00	0.00	0.00	276.68	
		SAN ANTONIO	0.00	740.22	276.68	0.00	822.46	276.68	0.00	0.00	822.46	0.00	276.68	
			0.00	740.22	276.68	0.00	822.46	276.68	0.00	0.00	822.46	0.00	276.68	
			7,484.10	0.00	430.25	7,917.00	0.00	430.25	7,917.00	0.00	0.00	0.00	525.31	
			0.00	156.13	23.84	0.00	187.36	23.84	0.00	0.00	187.36	0.00	28.61	
			0.00	715.04	20.31	0.00	766.11	20.31	0.00	0.00	766.11	0.00	33.84	
			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
			771.43	0.00	395.78	1,065.79	0.00	363.76	1,218.05	0.00	0.00	0.00	419.73	
			0.00	42.06	0.00	0.00	16.18	0.00	0.00	0.00	0.00	0.00	0.00	
MEXICO	BALAS	0.00	0.00	8.39	0.00	0.00	9.99	0.00	0.00	0.00	0.00	12.39		
	BUENAVISTA	0.00	0.00	155.12	0.00	164.58	155.12	0.00	0.00	0.00	0.00	155.12		
	CAMUNING	0.00	0.00	0.00	0.00	19.32	0.00	0.00	0.00	0.00	0.00	0.00		
	CAWAYAN	0.00	0.00	100.64	0.00	100.64	100.64	0.00	0.00	0.00	0.00	134.19		
	CONCEPCION	0.00	0.00	116.05	0.00	116.05	116.05	0.00	0.00	0.00	0.00	232.10		
	CULUBASA	0.00	0.00	241.87	3,969.81	1,034.40	241.87	4,763.77	0.00	0.00	0.00	295.61		
	DOLORES (PRENG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	EDJEN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	GANDUS	3,705.15	1,034.40	241.87	3,969.81	1,034.40	241.87	4,763.77	0.00	0.00	0.00	1,081.41		
	LAGUNDI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
SANTA ANA	LAFUT	0.00	0.00	78.72	0.00	306.82	78.72	0.00	0.00	0.00	0.00	306.82		
	LAUG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	MASAMAT	0.00	0.00	2,635.44	33,119.72	1,278.76	2,811.14	39,321.88	1,520.01	0.00	0.00	3,162.53		
	MASANGANG	30,754.03	1,258.14	1,196.31	33,119.72	3,162.15	1,196.31	39,321.88	3,230.90	0.00	0.00	1,322.24		
	PANGATLAN	0.00	3,093.41	1,196.31	0.00	258.45	1,196.31	0.00	0.00	0.00	0.00	0.00		
	PARIAN (POB.)	0.00	226.08	0.00	0.00	238.64	0.00	0.00	0.00	0.00	0.00	0.00		
	SABANTILLA	0.00	77.82	0.00	164.04	82.53	0.00	164.04	0.00	0.00	0.00	84.89		
	SAN ANTONIO	155.40	0.00	0.00	0.00	692.28	0.00	0.00	0.00	0.00	0.00	653.28		
	SAN CARLOS	0.00	633.78	0.00	197.03	1,196.29	750.97	277.08	1,367.19	772.20	56.25	858.26		
	SAN JOSE MALLINO	205.34	1,253.25	768.49	5,914.35	510.70	845.34	7,722.00	1,741.12	0.00	0.00	1,152.74		
SAN JOSE MATULID	4,928.62	184.36	0.00	25.62	320.66	44.00	25.62	320.66	0.00	0.00	44.00			
SANTA ANA	SAN JUAN	0.00	320.66	44.00	25.62	320.66	44.00	25.62	320.66	0.00	0.00	44.00		
	SAN ROQUE	25.62	320.66	44.00	25.62	320.66	44.00	25.62	320.66	0.00	0.00	44.00		
	SAN VICENTE	0.00	586.93	0.00	0.00	645.56	0.00	0.00	645.56	0.00	0.00	645.56		
	STA. CRUZ	0.00	309.48	271.38	0.00	331.38	271.38	0.00	0.00	0.00	0.00	271.38		
	STA. MARIA	164.10	605.38	491.15	164.10	605.38	491.15	164.10	605.38	0.00	0.00	605.38		
	STO. DOMINGO	524.17	465.23	327.36	645.72	497.31	327.36	615.33	481.27	0.00	0.00	327.36		
	STO. ROSARIO	1,549.16	445.42	2.65	2,020.42	1,683.66	3.18	1,836.73	445.42	0.00	0.00	2.65		
	SUCLABAN	0.00	0.00	4.24	0.00	0.00	4.95	0.00	0.00	0.00	0.00	4.95		
	TANGLAY (TANGLE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		50,267.04	12,654.63	7,850.97	55,203.61	12,997.09	7,845.87	65,702.60	13,947.71	9,112.05	0.00	0.00	21,381.96	
SANTA ANA	SAN AGUSTIN	277.58	871.55	291.14	305.78	919.97	291.14	305.78	871.55	291.14	0.00	291.14		
	SAN BARTOLOME	0.00	1,132.85	0.00	0.00	1,156.45	0.00	0.00	1,156.45	0.00	0.00	1,156.45		
	SAN ISIDRO	0.00	362.17	4.99	0.00	392.35	6.65	0.00	392.35	6.65	0.00	392.35		
	SAN JOAQUIN (POB.)	0.00	801.99	71.50	0.00	871.73	77.00	0.00	871.73	77.00	0.00	871.73		
	SAN JUAN	0.00	301.24	24.00	2,321.71	820.57	20.57	2,854.80	20.57	0.00	0.00	2,854.80		
	SAN PABLO	1,684.80	2,213.72	766.86	2,350.50	66.97	24.86	2,483.69	66.97	24.86	0.00	2,483.69		
	SAN PEDRO	0.00	100.45	49.73	0.00	150.18	766.42	0.00	150.18	766.42	0.00	150.18		
	SAN ROQUE	6,380.86	1,694.57	702.55	7,131.55	1,756.94	0.00	12,264.57	0.00	0.00	0.00	1,756.94		
	SANTIAGO	0.00	1,428.55	0.00	0.00	1,267.76	0.00	0.00	1,267.76	0.00	0.00	1,267.76		
	SANTO ROSARIO	907.59	1,744.20	374.86	866.34	1,744.20	340.78	1,828.22	1,744.20	340.78	0.00	1,828.22		
SANTA ANA		9,251.24	10,651.29	2,285.63	10,651.29	10,821.00	2,285.63	16,297.77	11,825.05	0.00	0.00	11,825.05		
	Total	60,586.89	24,046.14	17,759.27	67,124.53	24,640.55	18,763.46	83,414.13	25,995.23	0.00	0.00	25,995.23		

VII.2 Summary of Barangay Data Base in Abacan River Basin

Province	Municipality	Barangay	Flood Damages by Return Period ($\times 1000$ pesos)			Flood Damages by Return Period ($\times 1000$ pesos)			Flood Damages by Return Period ($\times 1000$ pesos)			Affected Area (sq. km)				
			20 years			50 years			100 years			20 years	100 years			
			Buildings	Land	Infra-structure	Buildings	Land	Infra-structure	Buildings	Land	Infra-structure	Land	Infra-structure			
PAMPANGA	ANGELES CITY	CAPAYA	0.00	0.00	1,330.86	0.00	0.00	1,330.86	0.00	0.00	0.00	1,281.57	0.24	0.66		
		PANDAN	394.66	0.00	561.04	576.57	0.00	535.54	10,968.15	0.00	0.00	739.56	0.17	0.70		
		PULONG MARAGUL	2,324.40	0.00	1,686.39	4,436.25	0.00	1,967.46	7,427.55	0.00	0.00	2,248.52	0.32	0.68		
		SALAPUNGAN	215.47	0.00	914.50	508.95	0.00	1,097.40	663.00	0.00	0.00	1,005.95	0.36	0.78		
		SALAPIBUTAD	265.20	0.00	4,230.55	2,252.25	0.00	4,890.19	8,868.85	0.00	0.00	4,948.94	0.76	1.01		
	ANGELES ARAYAT	TABUN	3,199.73	0.00	8,723.33	7,774.02	0.00	9,321.44	31,443.15	0.00	0.00	10,224.53	1.85	3.90		
		ARENAS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		LACMIT	0.00	0.00	276.68	5.85	740.22	276.68	0.00	0.00	0.00	348.91	0.00	0.10		
		SAN ANTONIO	0.00	822.46	276.68	5.85	740.22	276.68	0.00	0.00	0.00	348.91	0.05	1.47		
		ARAYAT	0.00	822.46	276.68	5.85	740.22	276.68	0.00	0.00	0.00	348.91	0.05	1.47		
		MEXICO	SANTA ANA	ANAO	9,822.15	0.00	490.29	9,032.47	0.00	455.27	15,779.40	0.00	0.00	733.44	0.58	0.90
				BALLAS	0.00	166.54	23.84	604.55	240.21	42.91	60.92	270.63	1,174.70	33.38	0.01	0.46
				BUENAVISTA	0.00	868.26	33.84	0.00	1,072.56	60.92	0.00	0.00	0.00	54.15	0.69	1.35
				CAMUNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	148.29	0.00	0.08
				CAYAYAN	2,914.18	0.00	475.69	4,157.60	16.18	587.62	8,603.47	0.00	0.00	1,007.34	1.36	2.81
CONCEPCION	0.00			45.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10		
CULUBASA	193.99			0.00	15.19	1,068.32	0.00	17.19	9,982.41	0.00	0.00	23.58	0.66	1.27		
DIVISORIA	0.00			182.86	0.00	0.00	237.72	232.69	46.66	274.29	155.12	0.00	0.00	0.19		
DOLORES (PRING)	0.00			192.32	0.00	0.00	19.52	0.00	0.00	0.00	0.00	0.00	0.00	0.22		
EDEN	0.00			0.00	134.19	0.00	0.00	0.00	0.00	0.00	0.00	167.73	0.00	0.24		
GANDUS	0.00	0.00	332.10	0.00	0.00	0.00	0.00	0.00	0.00	116.05	0.00	0.09				
SANTA ANA	SANTO ROSARIO	LAGUNDI	5,293.07	1,151.94	322.49	10,056.84	1,504.57	644.98	5,557.73	1,198.96	322.49	0.00	0.00	1.75		
		LAPUT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22		
		LAUG	0.00	306.32	78.72	0.00	339.12	78.72	0.00	0.00	0.00	78.72	0.02	1.16		
		MASAMAT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06		
		MASANGSANG	50,046.03	1,483.76	5,270.88	89,006.46	1,815.02	11,947.32	78,181.55	4,262.04	1,711.89	9,838.97	2.48	2.71		
		PANGANTLAN	0.00	3,437.13	1,259.28	0.00	4,399.53	2,203.73	0.00	0.00	0.00	1,574.09	2.26	4.50		
		PARLAN (POB.)	0.00	263.06	0.00	0.00	364.60	0.00	0.00	0.00	0.00	290.75	0.00	0.37		
		SABANILLA	48.24	238.64	0.00	0.00	401.91	0.00	0.00	0.00	0.00	301.44	0.00	0.24		
		SAN ANTONIO	172.67	91.96	0.00	0.00	110.85	0.00	0.00	0.00	0.00	0.00	0.12	0.23		
		SAN CARLOS	0.00	663.03	0.00	0.00	916.54	0.00	0.00	0.00	0.00	0.00	0.00	0.66		
		SAN JOSE MALLINO	406.38	1,566.57	1,019.18	320.18	1,338.70	750.97	4,669.30	1,595.05	804.61	0.31	1.67			
		SAN JOSE MATULID	11,204.70	600.07	1,690.68	22,474.73	727.74	2,459.17	33,783.75	733.28	1,998.08	0.95	1.75			
		SAN JUAN	0.00	225.33	0.00	0.00	122.90	0.00	0.00	0.00	0.00	215.08	0.00	0.16		
		SAN ROQUE	20.50	339.52	44.00	35.87	396.11	44.00	35.87	432.69	44.00	44.00	0.29	0.58		
		SAN VICENTE	0.00	609.51	0.00	89.70	812.67	0.00	0.00	1,138.30	948.12	0.00	0.00	1.51		
STA. CRUZ	0.00	353.69	271.38	0.00	464.21	434.20	744.76	530.53	271.38	0.00	0.00	1.08				
STA. MARIA	164.10	723.09	49.15	184.62	807.17	49.15	164.10	857.62	49.15	1.01	1.46					
STO. DOMINGO	1,128.11	545.44	368.28	2,033.39	641.69	368.28	3,692.01	834.20	368.28	0.36	0.79					
STO. ROSARIO	2,056.15	468.86	3.18	4,297.96	609.51	8.49	4,502.64	632.96	10.08	0.79	0.98					
SUCLABAN	0.00	0.00	7.07	0.00	0.00	6.84	0.00	0.00	0.00	8.72	1.45	2.33				
TANGLAY (TANGLE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25				
MEXICO	SANTA ANA	TANGLAY (TANGLE)	83,450.28	14,310.69	11,944.55	143,757.15	17,928.83	20,642.68	171,398.47	17,928.83	20,642.68	17,809.65	17.39	35.41		
		SAN AGUSTIN	337.55	919.97	339.67	943.15	1,307.32	776.38	1,336.84	1,307.32	339.67	0.35	2.13			
		SAN BARTOLOME	0.00	1,439.66	6.65	0.00	1,345.26	4.99	0.00	1,746.47	0.00	0.66	1.66			
		SAN ISIDRO	0.00	452.71	6.65	0.00	392.35	4.99	0.00	724.53	6.65	0.18	0.94			
		SAN JOAQUIN (POB.)	0.00	1,003.51	99.00	0.00	1,046.08	88.00	0.00	1,594.77	121.00	0.83	1.87			
		SAN JUAN	0.00	233.22	20.57	35.50	359.55	30.85	187.95	388.70	30.85	0.14	0.64			
		SAN PABLO	4,554.23	2,699.66	1,086.39	5,036.85	2,645.67	830.77	10,998.00	3,298.58	2,044.97	2.06	3.09			
		SAN PEDRO	0.00	111.61	49.73	0.00	78.13	24.86	0.00	100.45	0.00	0.01	0.19			
		SAN ROQUE	15,565.43	2,202.95	2,171.53	9,547.64	1,991.13	894.16	14,890.00	2,457.13	1,277.37	2.27	3.86			
		SANTIAGO	1,237.63	1,762.89	477.10	1,732.68	2,382.32	783.80	1,361.39	2,680.11	477.10	2.18	2.08			
		SANTO ROSARIO	21,694.83	12,970.71	4,250.62	17,335.82	13,371.47	3,433.81	28,974.19	16,068.53	4,322.46	9.92	20.18			
		Tota	108,344.84	26,103.66	25,156.18	168,872.84	31,490.52	33,674.61	233,827.83	35,668.30	32,735.56	29.21	61.15			

