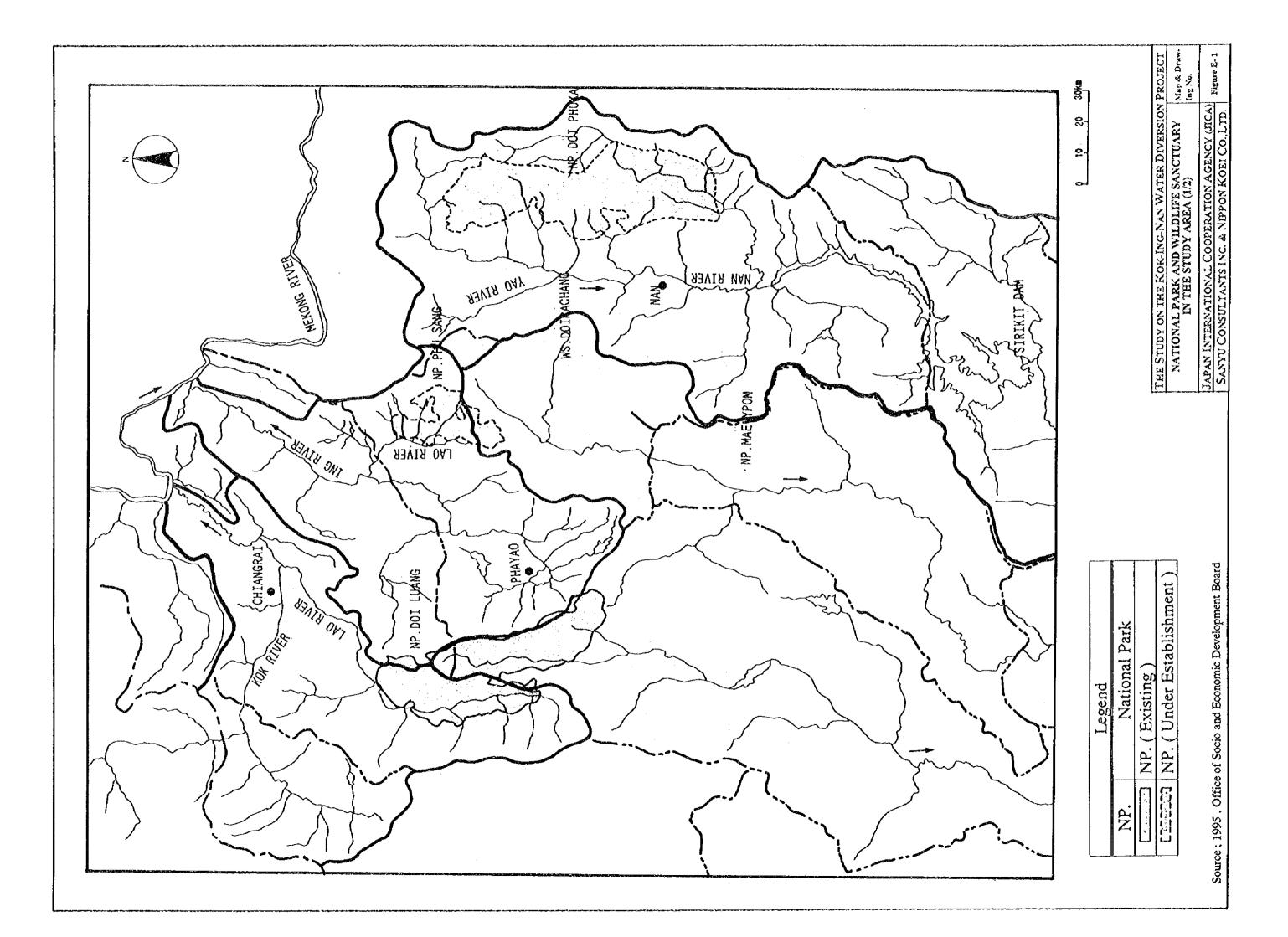
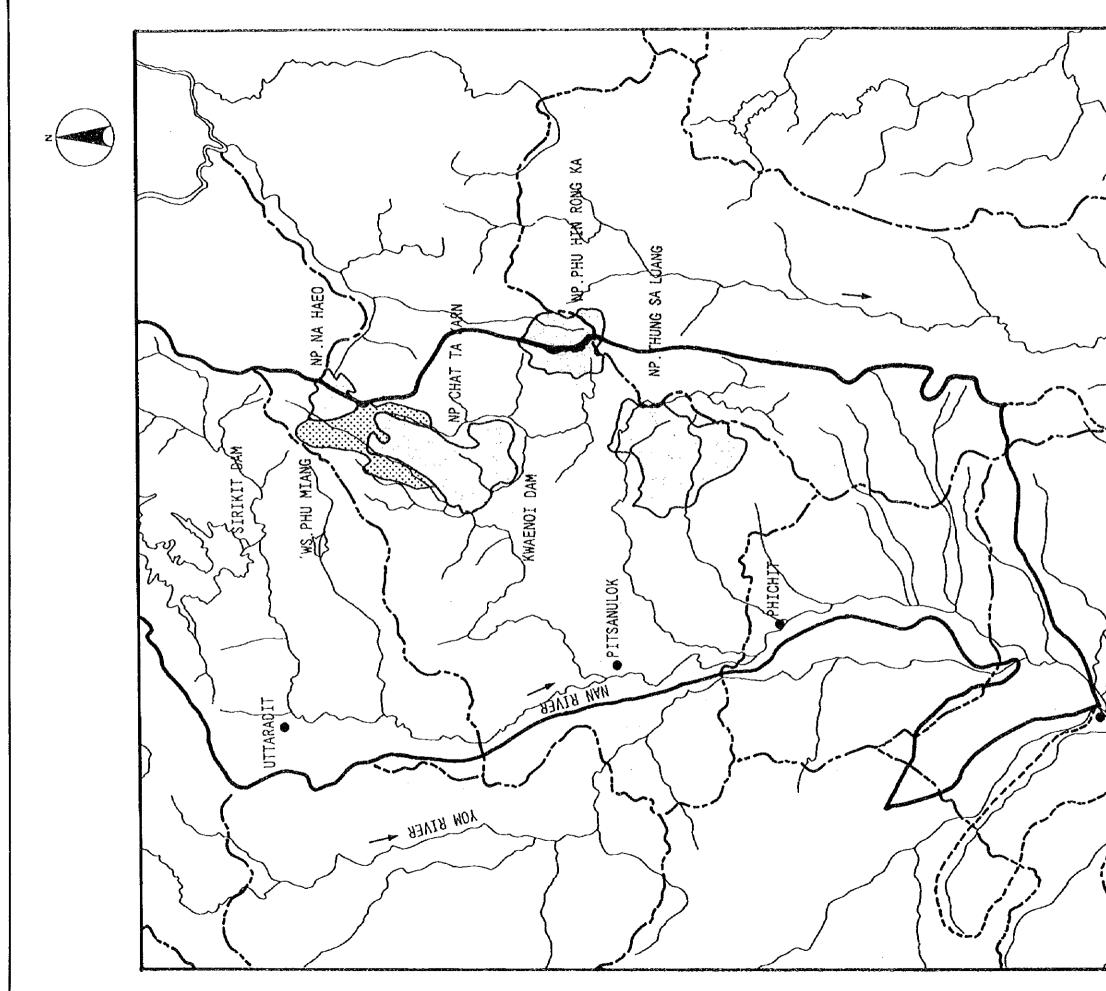
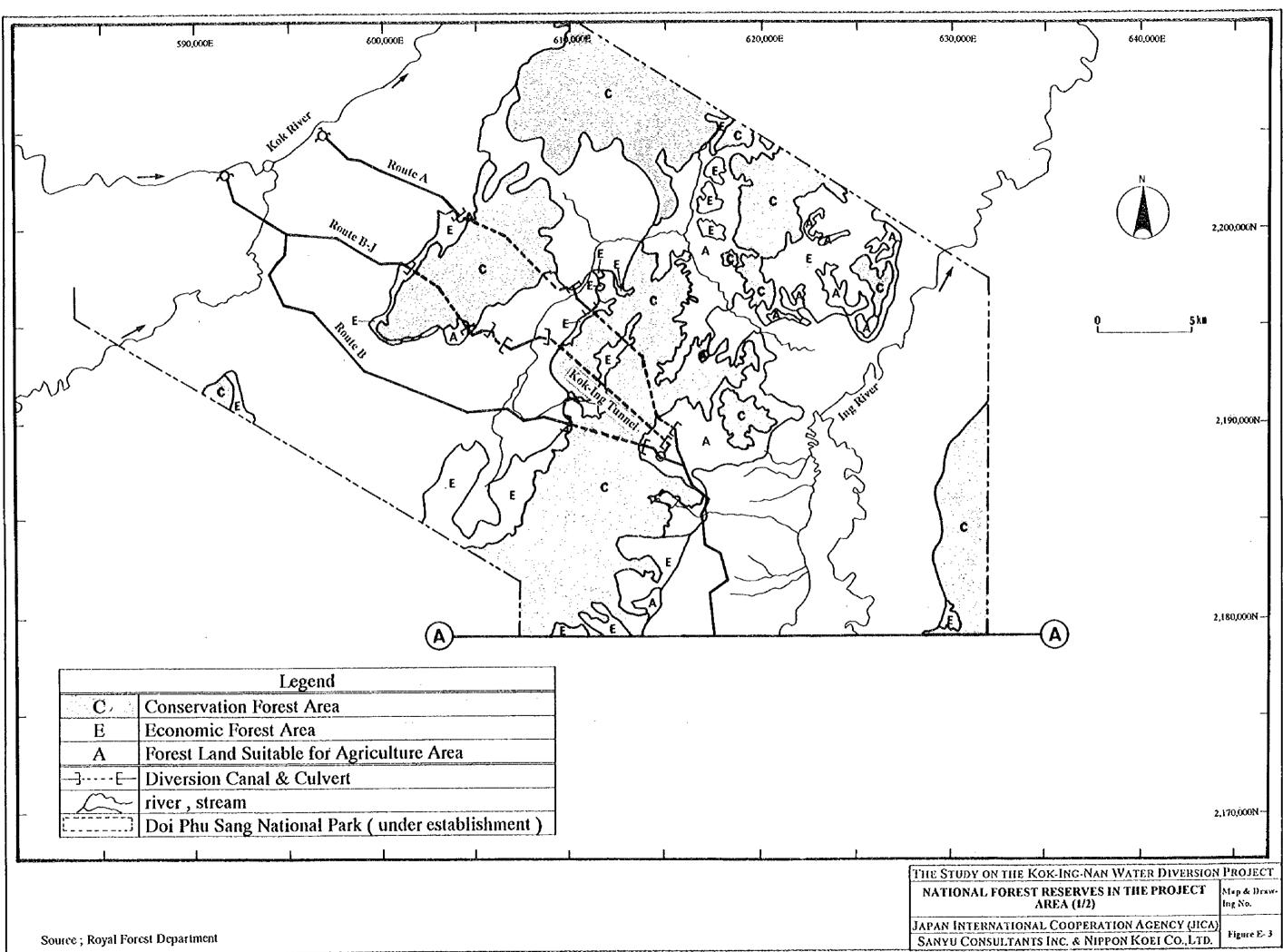
PART VII	INITIAL ENVIRONMENTAL EXAMINATION
Figure E-1	National Park and Wildlife Sanctuary in the Study Area (1/2)
Figure E-2	National Park and Wildlife Sanctuary in the Study Area (2/2)
Figure E-3	National Forest Reserves in the Project Area (1/2)
Figure E-4	National Forest Reserves in the Project Area (2/2)
Figure E-5	Watershed Classification in the Project Area (1/2)
Figure E-6	Watershed Classification in the Project Area (2/2)
Figure E-7	Wetland Related the Project
Figure E-8	Fish Production in Chiang Rai Province
Figure E-9	Fish Production in Phayao Province
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Figure E-11	Administrative Boundary and 1994 Chiang Rai Population
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Figure E-14	Per Capita GPP by Province in 1993
Figure E-15	Income Distribution in Chiang Rai Province
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Figure E-17	Income Distribution in Nan Province
Figure E-18	Distribution of Major Tribal Village Settlement in Thailand

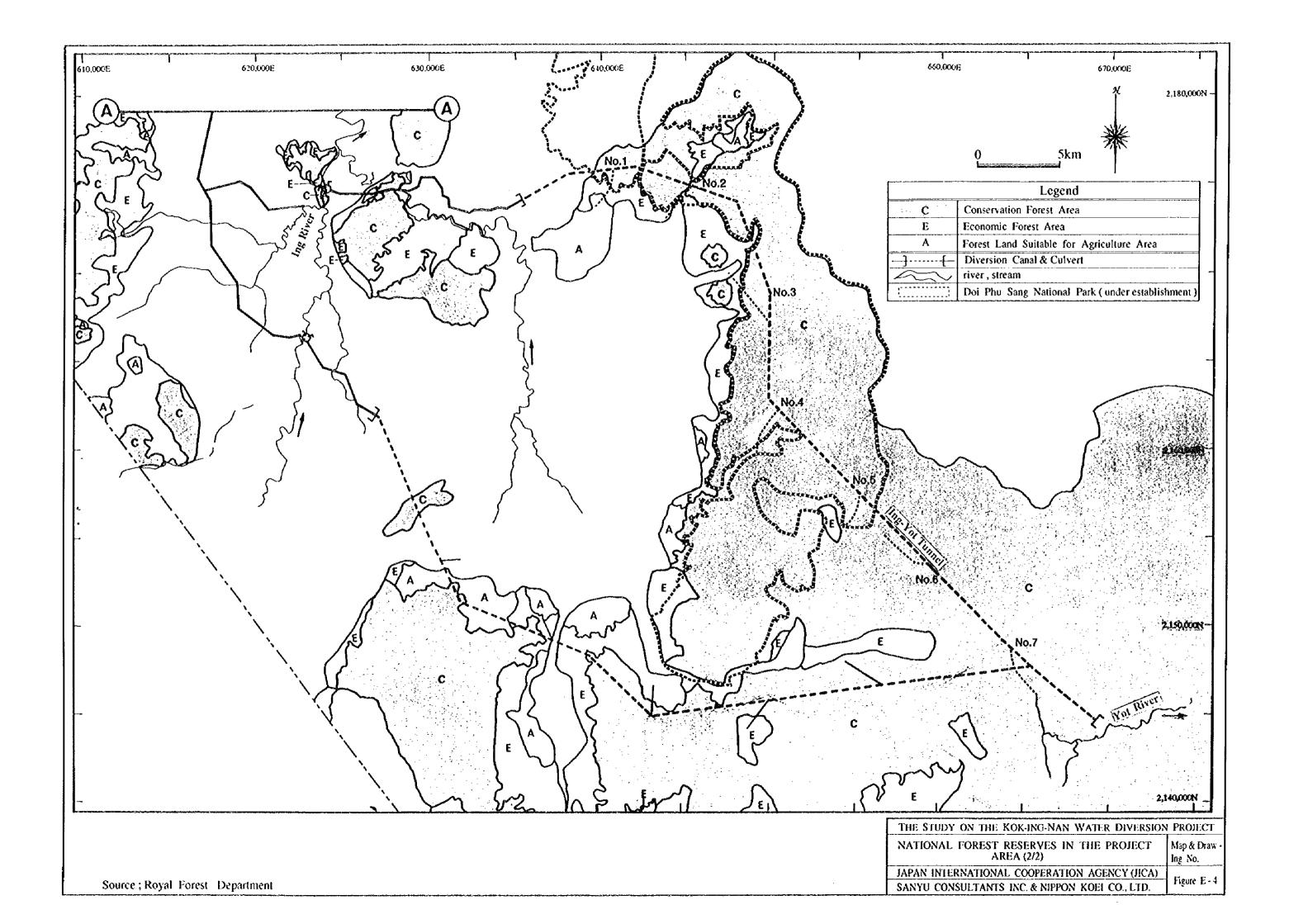
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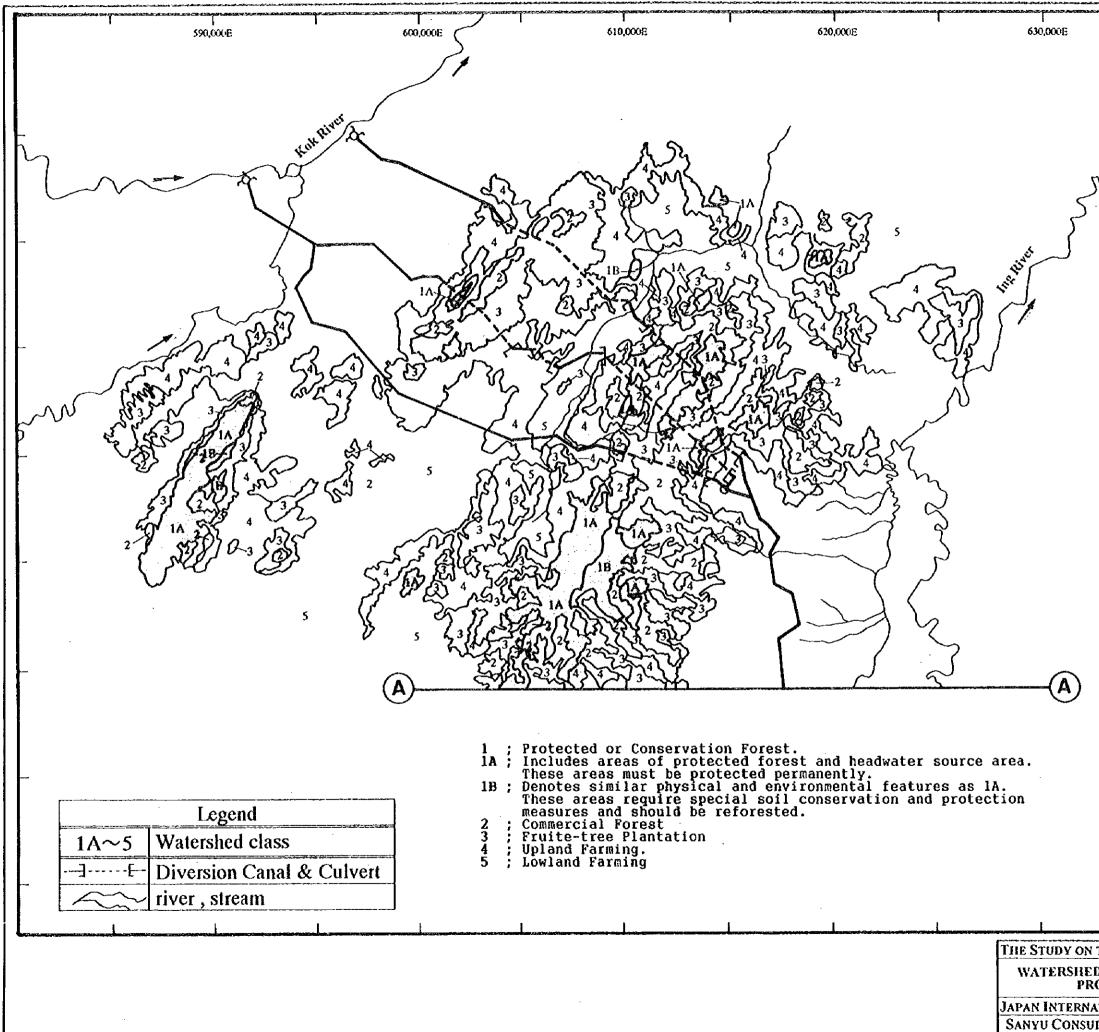




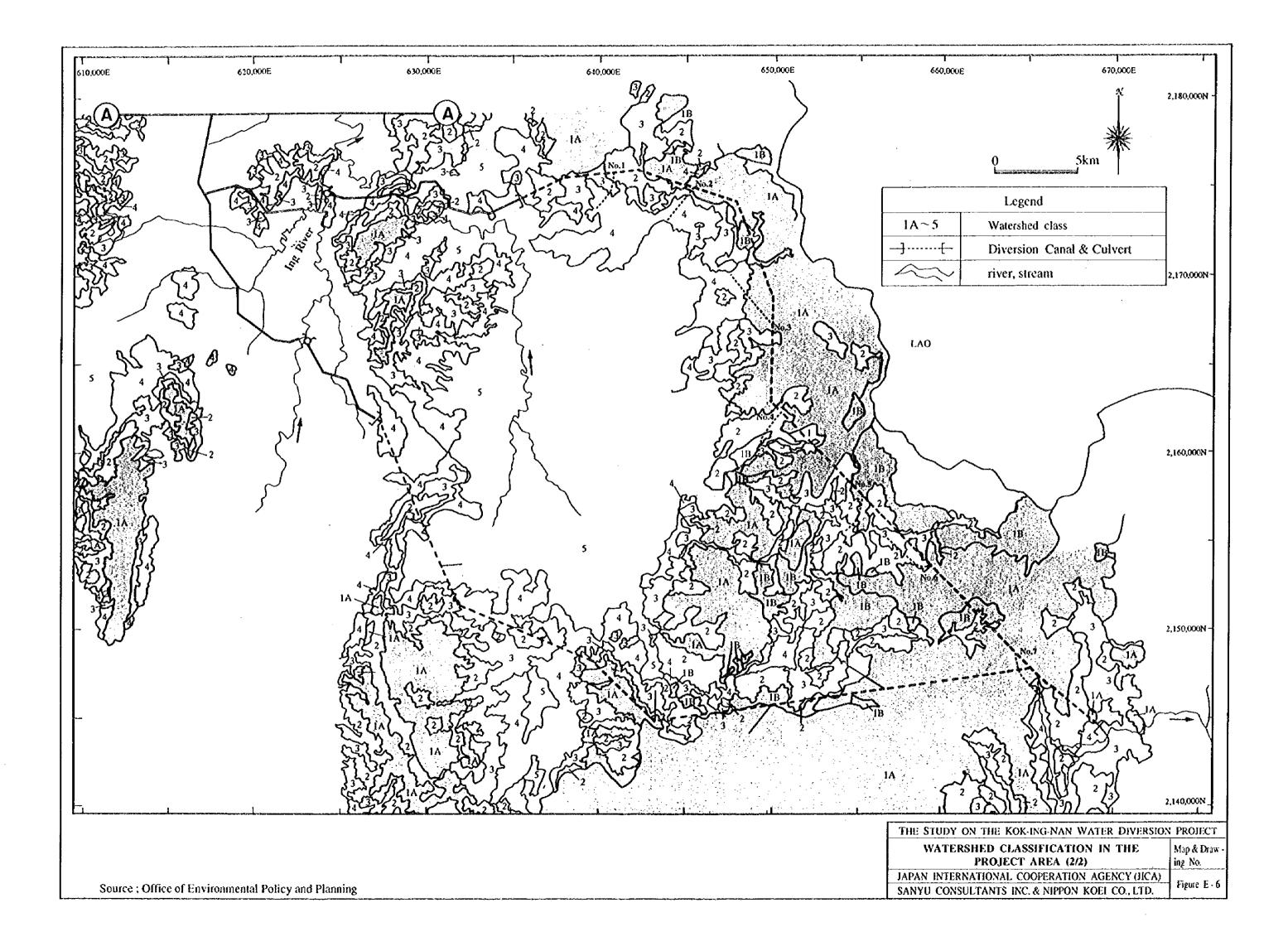
	<u></u>				PROJECT	Map & Draw. Ing No.	Figure E-2
0 10 20					THE STUDY ON THE KOK-ING-NAN WATER DIVERSION PROJECT	NATIONAL PARK AND WILDLIFE SANCTUARY IN THE STUDY AREA (2/2)	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) SANYU CONSULTANTS INC. & NIPPON KOEI CO.LTD.
NAKHON SAWAN	Legend	NP. National Park	[NP. (Existing)	[[]] NP. (Under Establishment)	WS. Wildlife Sanctuary	WS. (Existing)	Source ; 1995 , Office of Socio and Economic Development Board

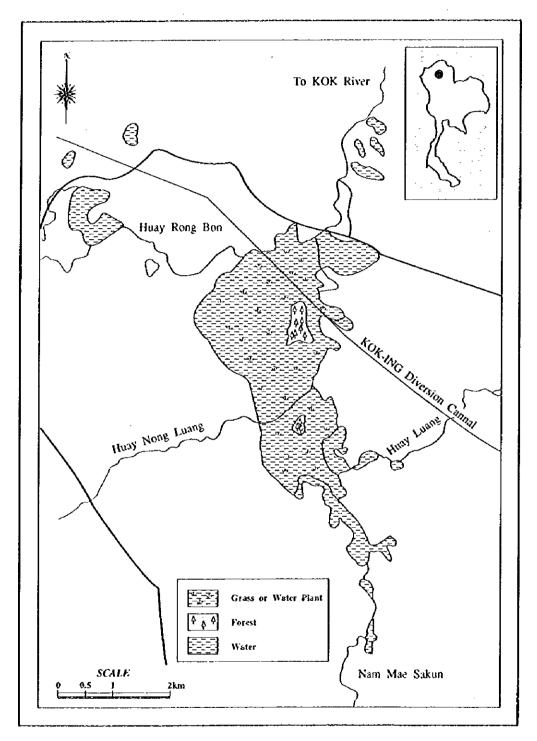




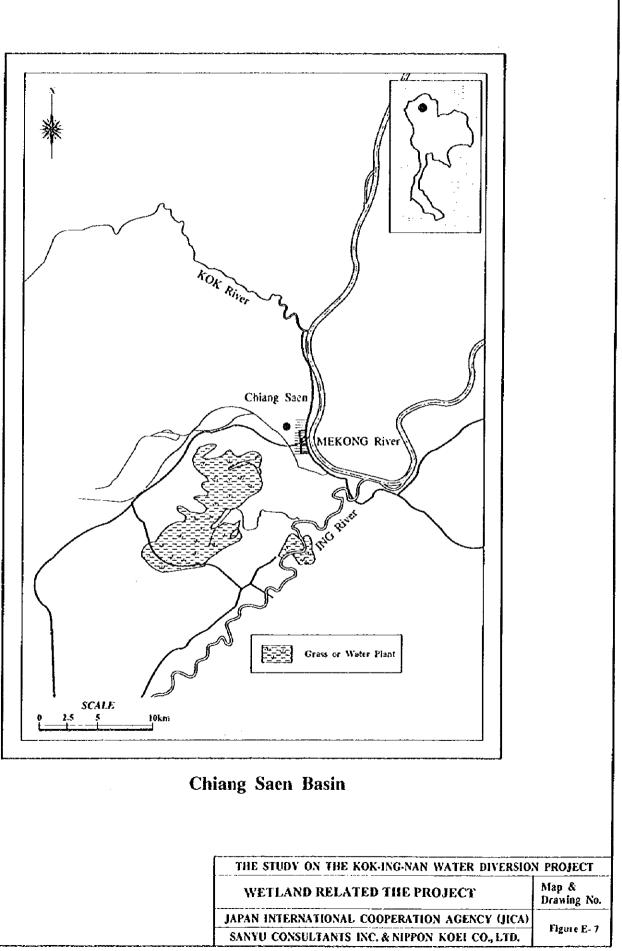


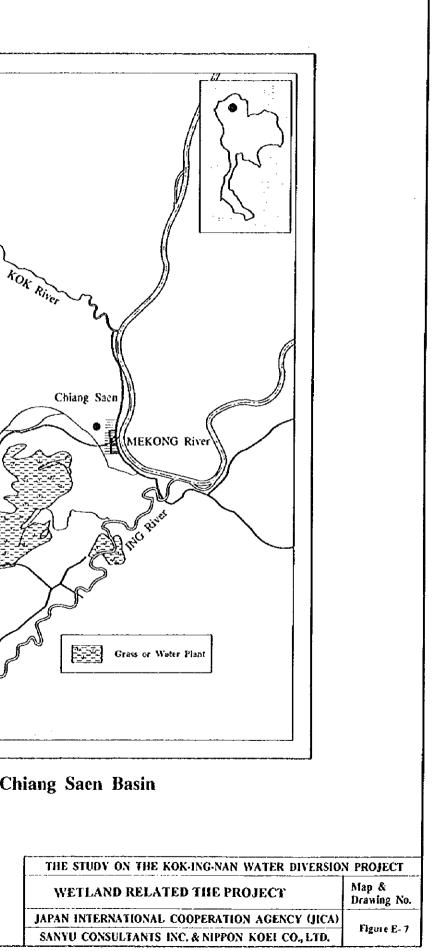
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THE KOK-ING-NAN WATER DIVERSION	
D CLASSIFICATION IN THE OJECT AREA (1/2)	Map & Draw- Ing No.
TIONAL COOPERATION AGENCY (JICA) LTANTS INC. & NIPPON KOEI CO., LTD.	Figure E- 5
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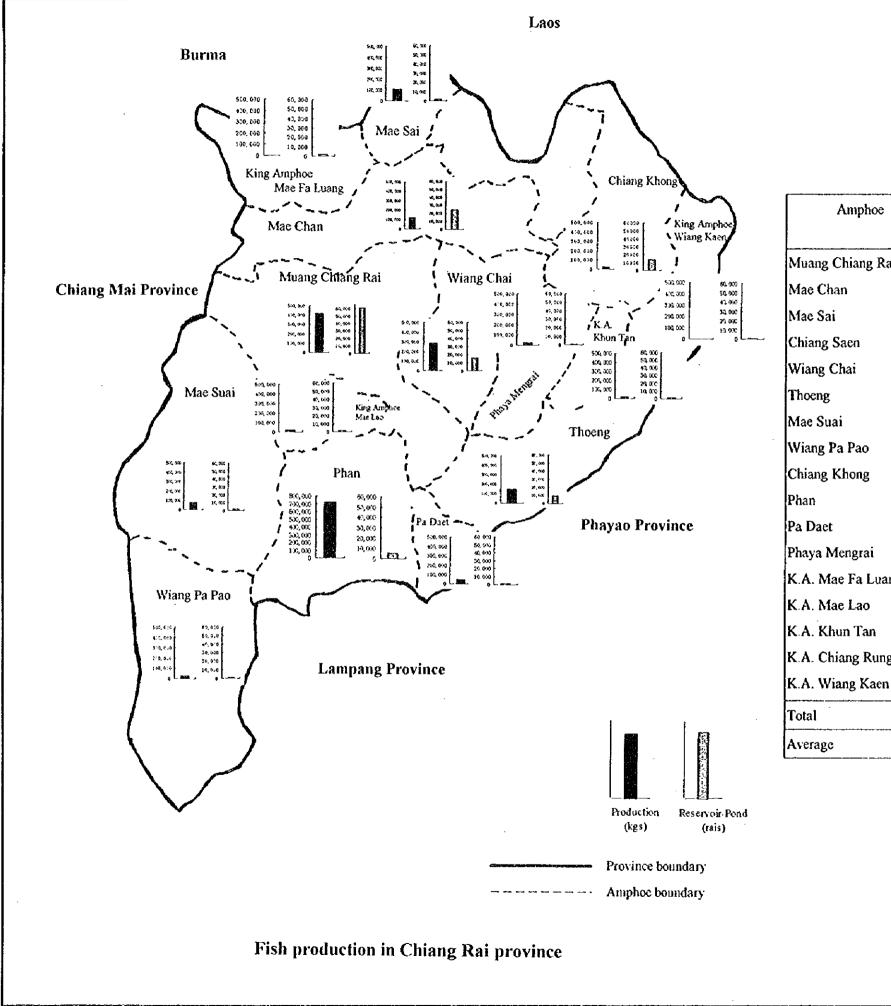


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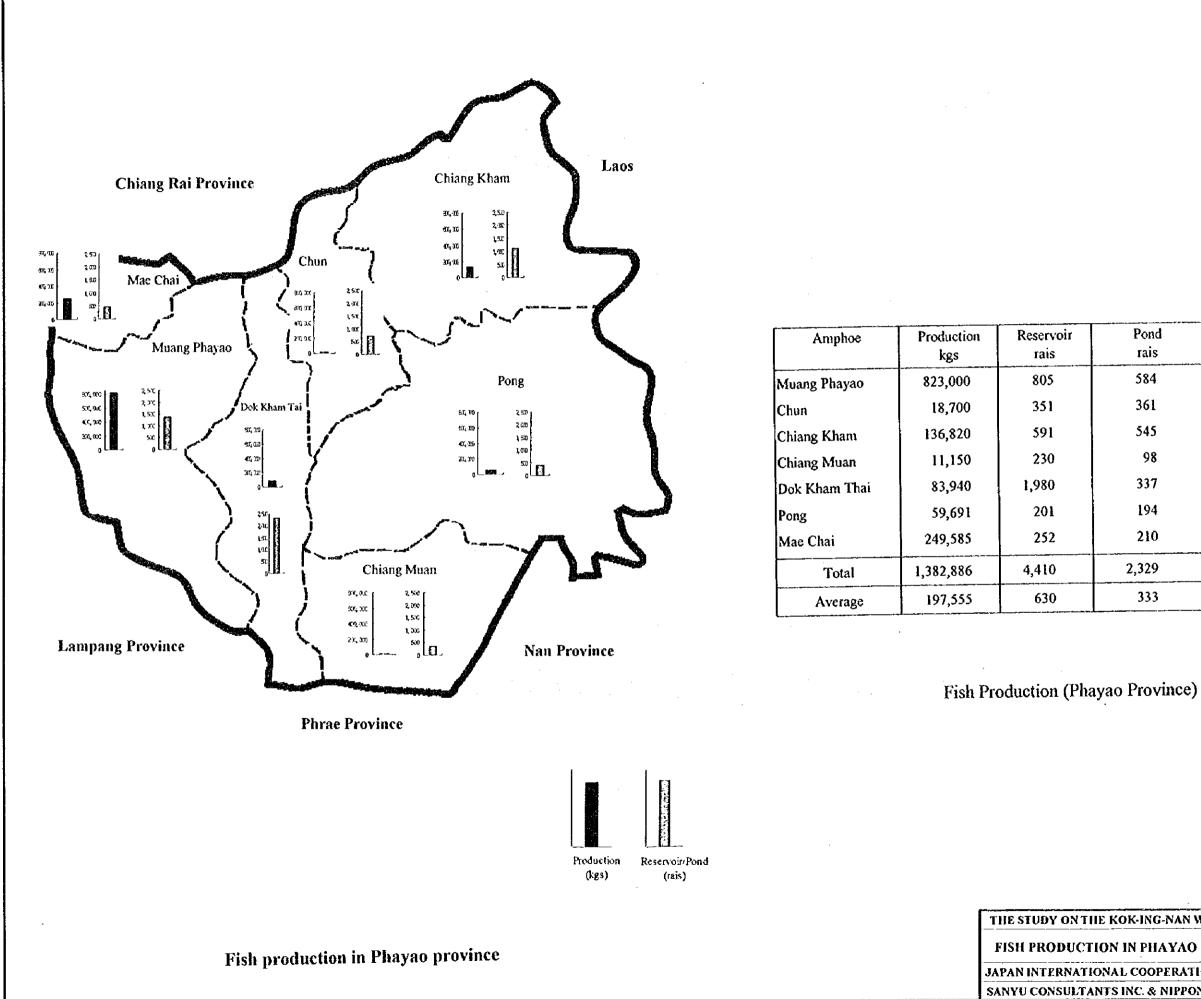


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Amphoe	Production	Reservoir	Pond	Productivity
	kgs	rais	rais	kgs/rai
Muang Chiang Rai	418,000	59,027	1,962	6.9
Mae Chan	123,300	24,597	412	4.9
Mae Sai	107,900	1.026	950	113.5
Chiang Saen	155,350	31,877	667	4.8
Wiang Chai	288,000	15,259	1,105	17.6
Thoeng	148,000	9,261	556	15.1
Mae Suai	75,200	1,846	246	35.9
Wiang Pa Pao	24,450	1,027	103	21.6
Chiang Khong	22,045	12,667	314	1.7
Phan	719,500	3,610	1,619	137.6
Pa Daet	48,690	583	556	42.7
Phaya Mengrai	44,900	1,064	198	35.6
K.A. Mae Fa Luang		1,805	58	
K.A. Mae Lao	18,800	1,557	152	11.0
K.A. Khun Tan	24,700	1,463	182	15.0
K.A. Chiang Rung		597	1,012	
K.A. Wiang Kaen		392	20	
Total	2,218,835	166,633	10,112	
Average	158,488	9,802	595	33.1

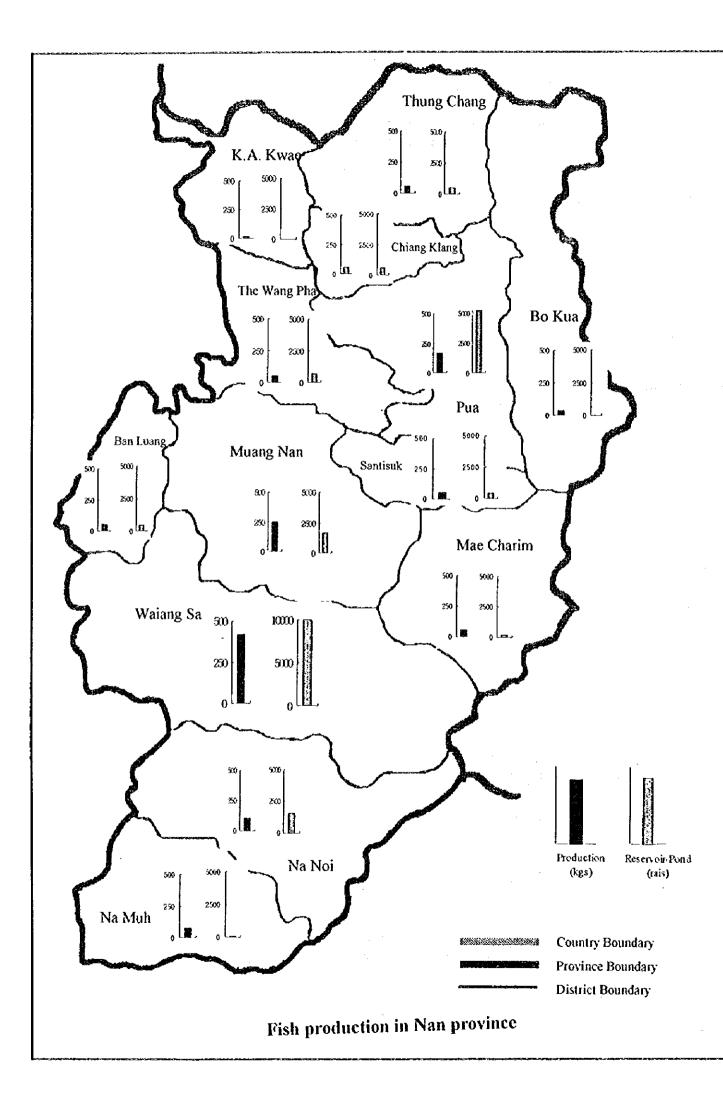
Fish Production (Chiang Rai Province)

THE STUDY ON THE KOK-ING-NAN WATER DIVERS	ION PROJECT
FISH PRODUCTION IN CHIANG RAI PROVINC	E Map & Drawing No
JAPAN INTERNATIONAL COOPERATION AGENCY (J	
SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTI	D. Figure E- 8



oir	Pond rais	Productivity kgs/rai
	584	592.5
	361	26.3
	545	120.4
	98	34.0
	337	36.2
	194	151.1
	210	540.2
	2,329	
	333	214.0

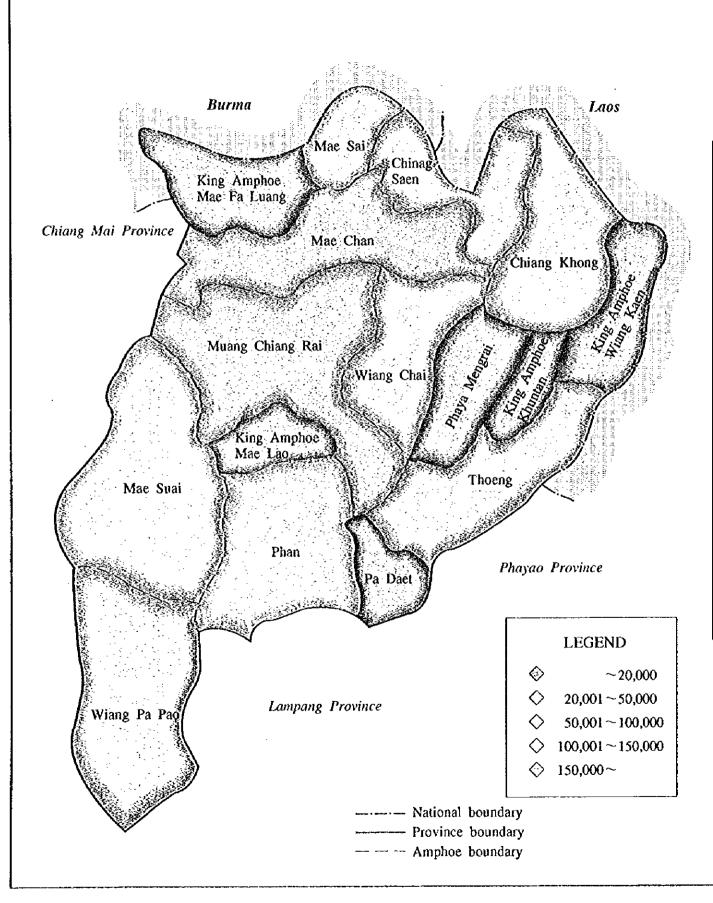
ON THE KOK-ING-NAN WATER DIVERSION P	ROJECT
DUCTION IN PHAYAO PROVINCE	Map & Drawing No.
RNATIONAL COOPERATION AGENCY (JICA)	1
SULTANTS INC. & NIPPON KOEI CO., LTD.	Figure E- 9



		r	I	
Amphoe	Production	Reservoir	Pond	Productivity
	kgs	rais	rais	kgs/rai
Muang Nan	246,000	1,335	299	150.6
Waiang Sa	420,050	9,500	472	42.1
Na Noi	101,555	1,450	96	65.7
Tha Wang Pha	53,030	515	176	76.7
Pua	165,000	5,000	173	31.9
Chiang Klang	56,400	553	54	92.9
Thung Chang	59,540	380	128	117.2
Mae Charim	51,450	140	20	321 <u>,6</u>
Ban Luang	51,200	400	13	124.0
Santisuk	51,100	370	23	130.0
Na Muh	76,600	30	5	2188.6
Bo Kua	34,000	7	10	2000.0
K.A. Kwae	17,500	20	13	530.3
Total	1,383,425	19,700	1,482	
Average	· 106,417	1,515	114	452.0

Fish Production (Nan Province)

THE STUDY ON THE KOK-ING-NAN WATER DIVERSION I	ROJECT
FISH PRODUCTION IN NAN PROVINCE	Map & Drawing No
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	17 F 16
SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.	- Figure E-1(



Population of Chiang Rai Province in 1994

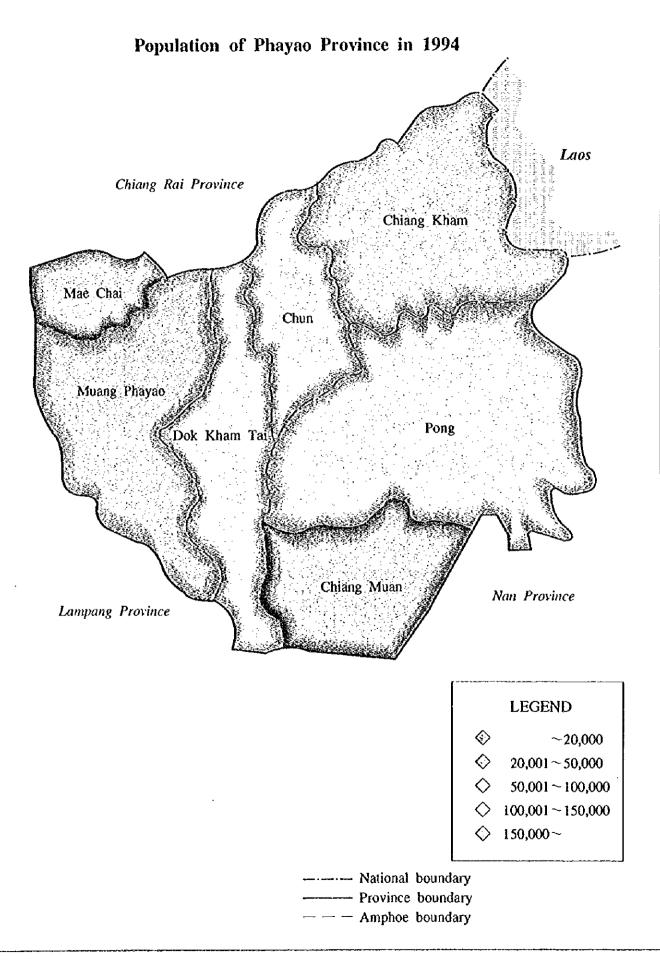
Number of Population and Population Density in

	Num	tion	Population density	
Amphoe's Name	Male	Famale	Total	per Sq. km.
Muang Chiang Rai	109,996	109,966	219,962	171.266
King Amphoe Khuntan	17,464	16,809	34,273	146.466
Chiang Khong	34,708	33,513	68,221	81.516
Chinag Saen	27,687	27,050	54,737	98.803
Thoeng	44,373	43,227	87,600	106.699
Pa Daet	13,805	13,360	27,165	81.503
Phaya Mengrai	22,631	21,750	44,381	71.582
Phan	70,893	69,872	140,765	137.600
Mae Chan	91,139	89,470	180,609	178.120
King Amphoe Mae Fa Luang	14,292	13,381	27,673	43.144
King Amphoe Mae Lao	16,694	16,710	33,404	99.595
Mae Suai	38,365	36,178	74,543	52.179
Mae Sai	40,800	40,241	81,041	284.354
King Amphoe Wiang Kaen	16,450	15,416	31,866	60.582
Wiang Chai	37,715	36,761	74,476	142.647
Wiang Pa Pao	35,954	34,723	70,677	58.075
Total	632,966	618,427	1,251,393	107.171

Source : Department of Local Administration, Ministry of Interior

THE STUDY ON THE KOK-ING-NAN WATER DIVERSIO	N PROJECT
ADMINISTRATIVE BOUNDARY AND 1994 CHIANG RAI POPULATION	Map & Drawing No.
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	Figure \$ 11
SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.	Figure E-11

n	Chiang	Rai	Province	:	1994
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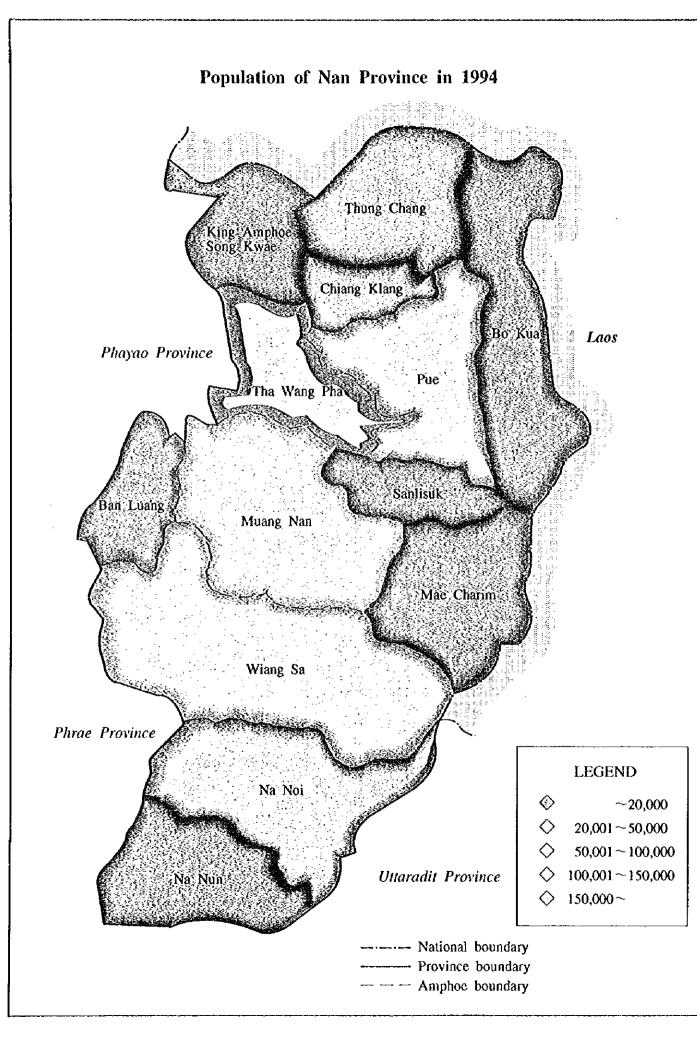
Number of Population and Population Density in Phaya

A 4 4 57	Num	Number of Population			
Amphoe's Name	Male	Famale	Total	per Sq. km.	
Muang Phayao	76,926	76,674	153,600	125	
Chun	27,774	27,959	55,733	98	
Chiang Kham	59,449	58,057	117,506	109	
Chiang Muan	10,303	9,800	20,103	28	
Dok Kham Tai	37,011	36,727	73,738	89	
Pong	27,278	26,236	53,514	30	
Mae Chai	19,694	19,583	39,277	131	
Total	258,435	255,036	513,471	81	

Source : Department of Local Administration, Ministry of Interior

THE STUDY ON THE KOK-ING-NAN WATER DIVERSIO	N PROJECT
ADMINISTRATIVE BOUNDARY AND 1994 PHAYAO POPULATION	Map & Drawing No
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) SANYU CONSULTANTS INC. & NIPPON KOEL CO., LTD.	Figure E-12

ao Prov	ince	by	Amphoe	:	1994
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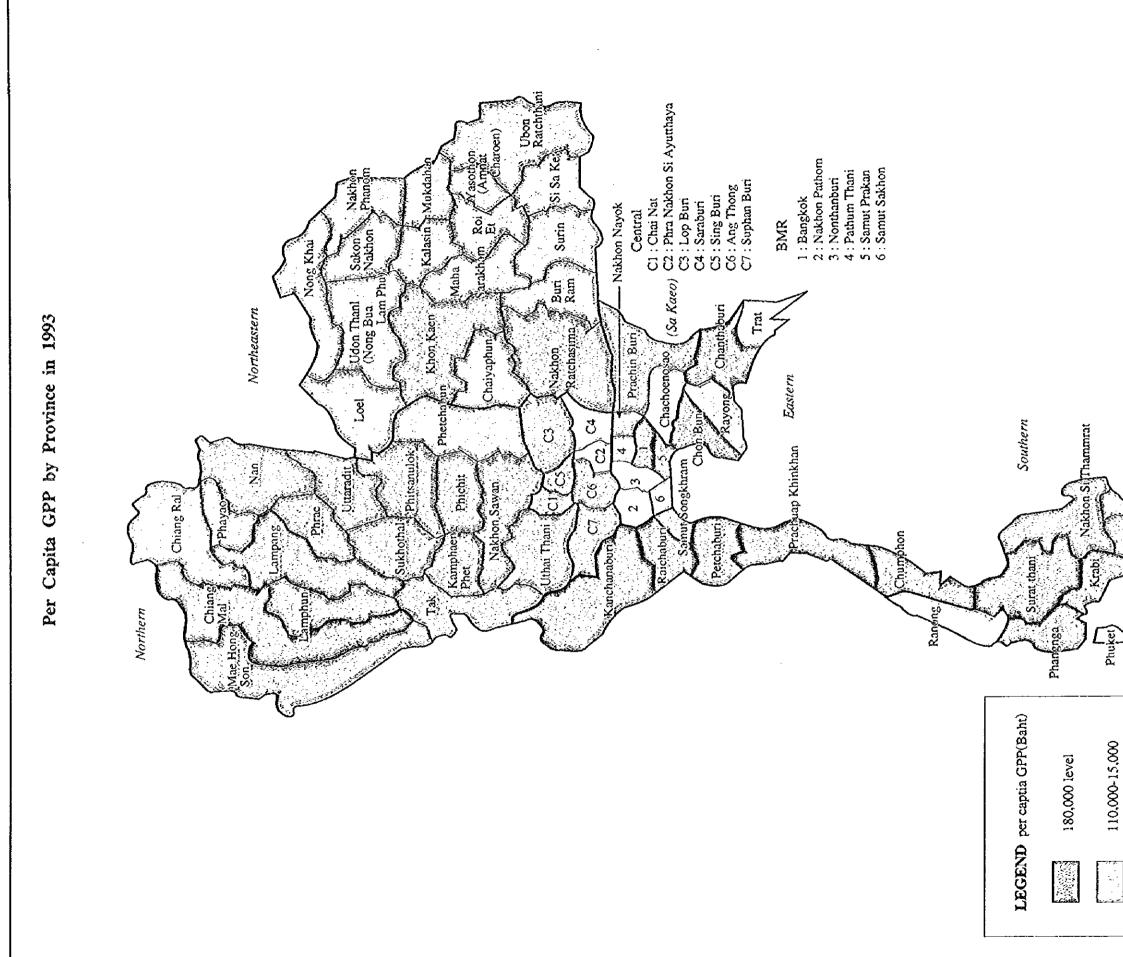
Number of Population and Population Density in Nan Province: 1994

	Nun	ber of Popula	tion	Population density	
Amphoe's Name	Male	Famale	Total	per Sq. km.	
Muang Nan	58,362	56,861	115,223	87.20	
Chiang Klang	14,648	14,157	28,805	96.94	
Tha Wang Pha	26,350	25,650	52,000	74.05	
Thung Chang	11,341	11,087	22,428	23.68	
Na Noi	16,784	16,470	33,254	23.80	
Na Mun	7,878	7,428	15,306	19.48	
Ban Luang	6,246	5,790	12,036	35.58	
Bo Kua	9,017	8,651	17,668	14.95	
Pue	32,562	31,837	64,399	97 .96	
Mae Charim	7,884	7,417	15,301	15.32	
Wiang Sa	35,516	34,798	70,314	37.10	
Sanlisuk	7,785	7,406	15,191	36.44	
King Amphoe Song Kwae	5,685	5,235	10,920	20.82	
Total	240,058	232,787	472,845	41.24	

Source : Department of Local Administration, Ministry of Interior

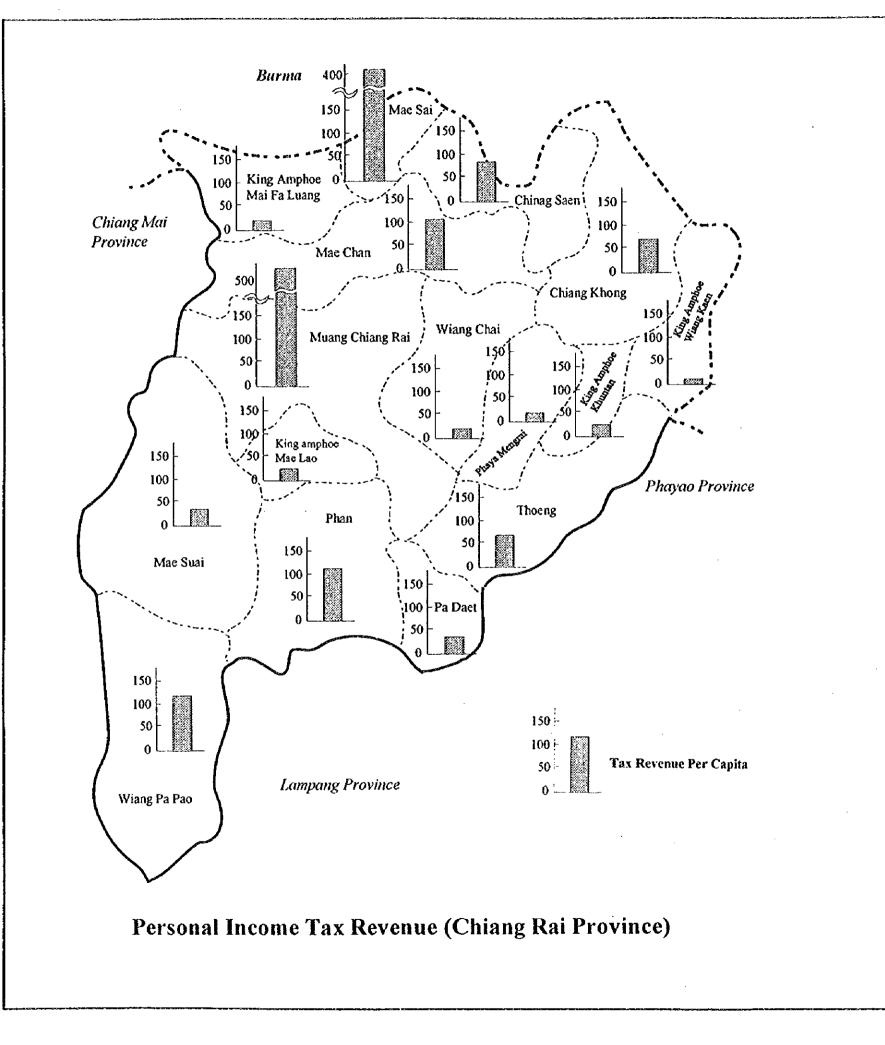
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THE STUDY ON THE KOK-ING-NAN WATER DIVERSION	N PROJECT	
ADMINISTRATIVE BOUNDARY AND 1994 NAN POPULATION	Map & Drawing No.	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		
SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.	Figure E-13	



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45,000-90,000	30,000-45,000	20,000-44,999	10.000-19.999				
45,000	30.000	20,000	10.000				

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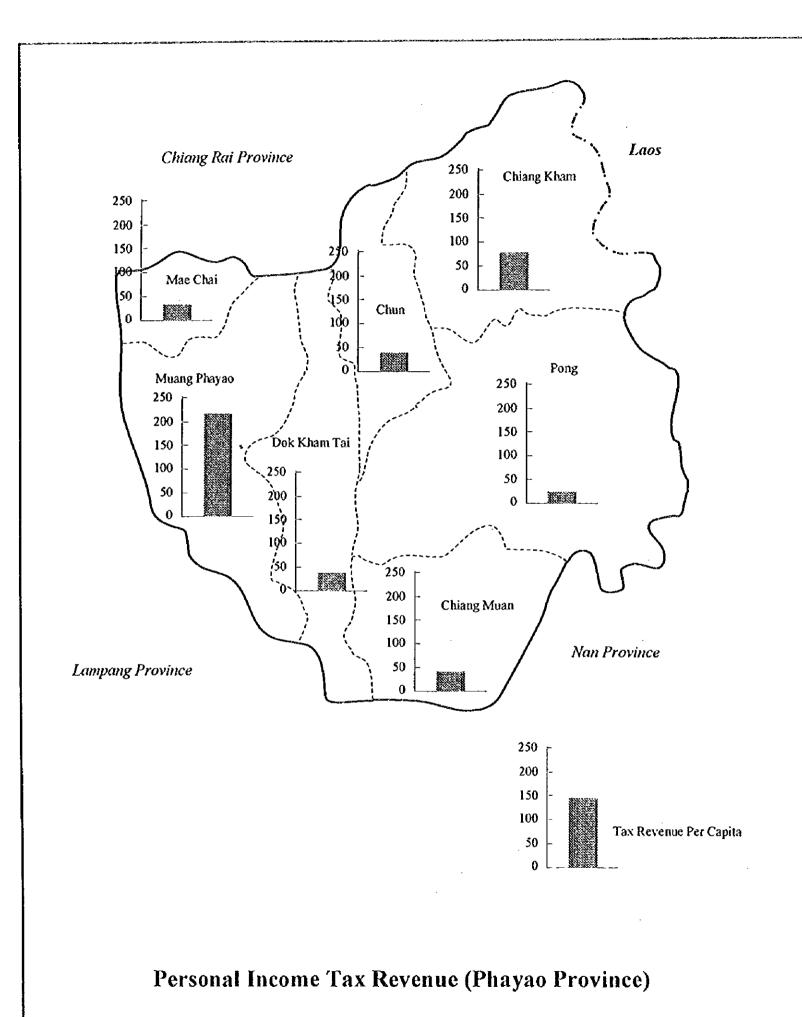


Personal Income Tax

	Personal Income	Number	Tax Revenue
Amphoe	Tax Revenue	of	Per
	(unit: Baht)	Population	Capita
Muang Chiang Rai	119,775,985	219,962	545
King Amphoe Khuntan	699,908	34,273	20
Chiang Khong	4,220,312	68,221	62
Chiang Saen	4,716,436	54,737	86
Thoeng	5,223,169	87,600	60
Pa Daet	964,632	27,165	36
Phaya Mengrai	841,547	44,381	19
Phan	15,075,930	140,765	107
Mae Chan	18,854,078	180,609	104
King Amphoe Mae Fa Luan	392,702	27,673	14
King amphoe Mae Lao	586,591	33,404	18
Mae Suai	1,977,015	74,543	27
Mae Sai	32,679,830	81,041	403
King amphoe Wiang Kaen	230,932	31,866	7
Wiang Chai	1,289,037	74,476	17
Wiang Pa Pao	7,795,934	70,677	110
Total	215,324,038	1,251,393	1,635

x	Revenue	(Chiang	Rai	Province)
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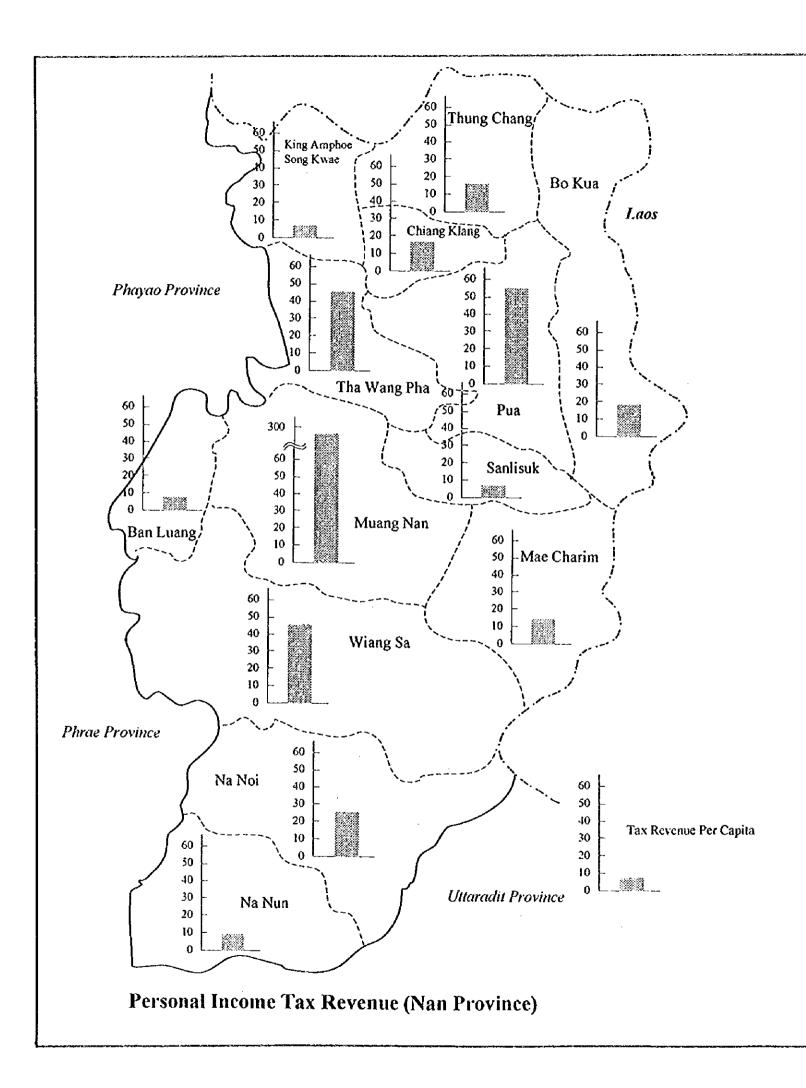
PROJECT
Map & Drawing No.
F1
- Figure E-15



	Personal Income	Number	Tax Revenue
Amphoe	Tax Revenue	of	Рег
	(unit: Baht)	Population	Capita
Muang Phayao	33,480,038	153,600	218
Chun	2,374,682	55,733	43
Chiang Kham	9,267,855	117,506	79
Chiang Muan	962,279	20,103	48
Dok Knam Tai	2,323,253	73,738	32
Pong	1,301,135	53,514	24
Mae Chai	1,197,851	39,277	30
Total	50,907,093	513,471	474

THE STUDY ON THE KOK-ING-NAN WATER DIVERSION	PROJECT
INCOME DISTRIBUTION IN PHAYAO PROVINCE	Map & Drawing No
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	
SANYU CONSULTANTS INC. & NIPPON KOFI CO., LTD.	Figure E-16

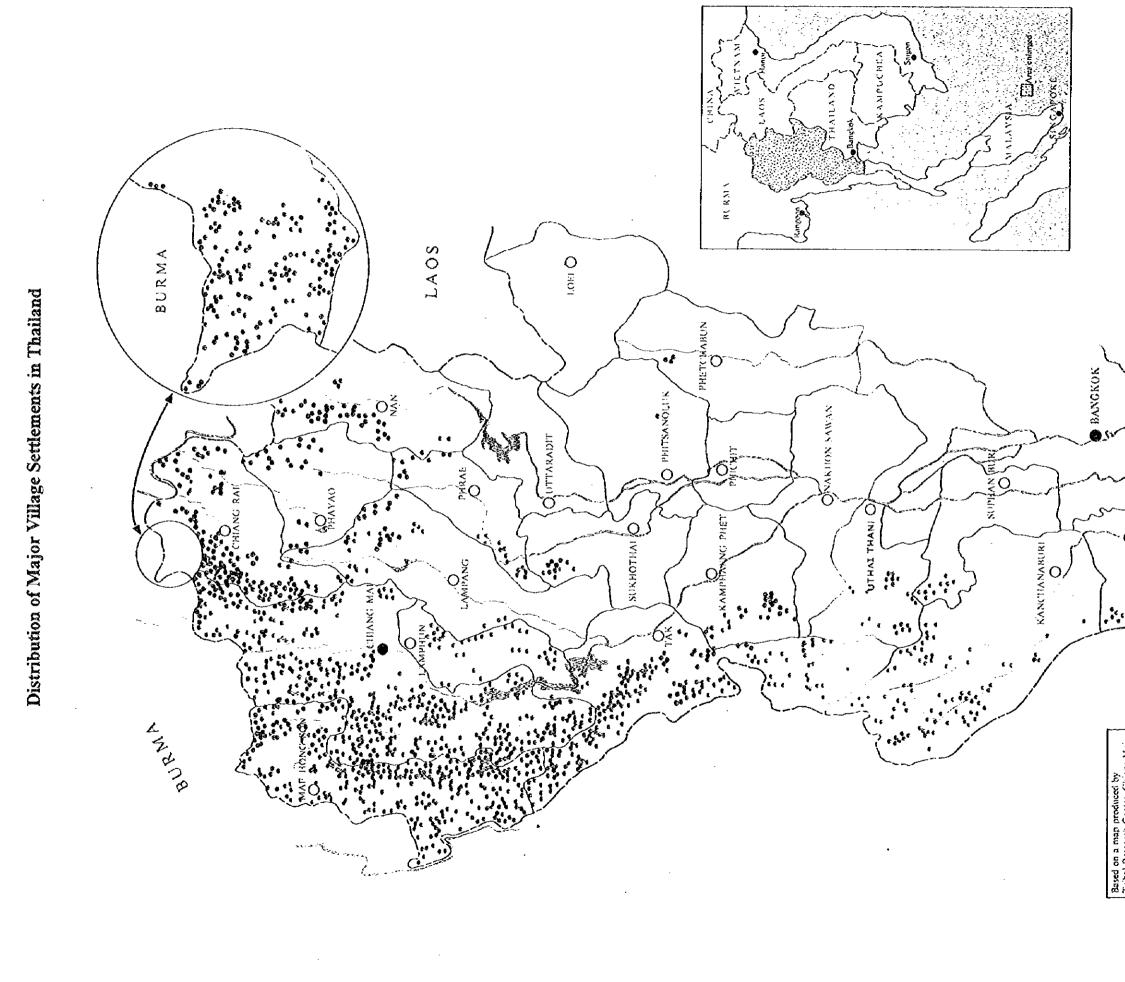
Personal Income Tax Revenue (Phayao Province)



Personal	Income	Tax Reve	enue (Nan	Province)
				· · · · · · · · · · · · · · · · · · ·

	Personal Income	Number	Tax Revenue		
Amphoe	Tax Revenue	of	Per		
·····	(unit: Baht)	Population	Capita		
Muang Nan	31,267,591	115,223	271		
Chiang Klang	476,346	28,805	17		
Tha Wang Pha	2,250,001	52,000	43		
Thung Chang	329,712	22,428	15		
Na Noi	802,063	33,254	24		
Na Mun	135,665	15,306	9		
Bo Kua	174,308	12,036	14		
Ban Luang	140,753	17,668	8		
Pua	3,531,105	64,399	55		
Mae Charim	185,053	15,301	12		
Wiang Sa	3,196,040	70,314	45		
Santisuk	120,336	15,191	8		
King Amphoe Song Kwae	73,933	10,920	7		
Total	42,682,906	472,845	528		

THE STUDY ON THE KOK-ING-NAN WATER DIVERSION I	PROJECT	
INCOME DISTRIBUTION IN NAN PROVINCE	Map & Drawing No	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	Figure E-17	
SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.		



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		ידהואתטאט יד	ce Boundury						THE STUDY ON THE KOK-ING-NAN WATER DIVERSION PROJECT	DISTRIBUTION OF MAJOR TRIBAL VILLAGE Map & Drawing No.	JENCY (JICA)	SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.	
 Scale 1 : 3 000 000	01 02 02 01 0 WX	Country Boundary	Province Boundary	S Karen	Hmong	Mien Mien	🔊 Lahu	😧 Akha	🙆 Lisu				
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