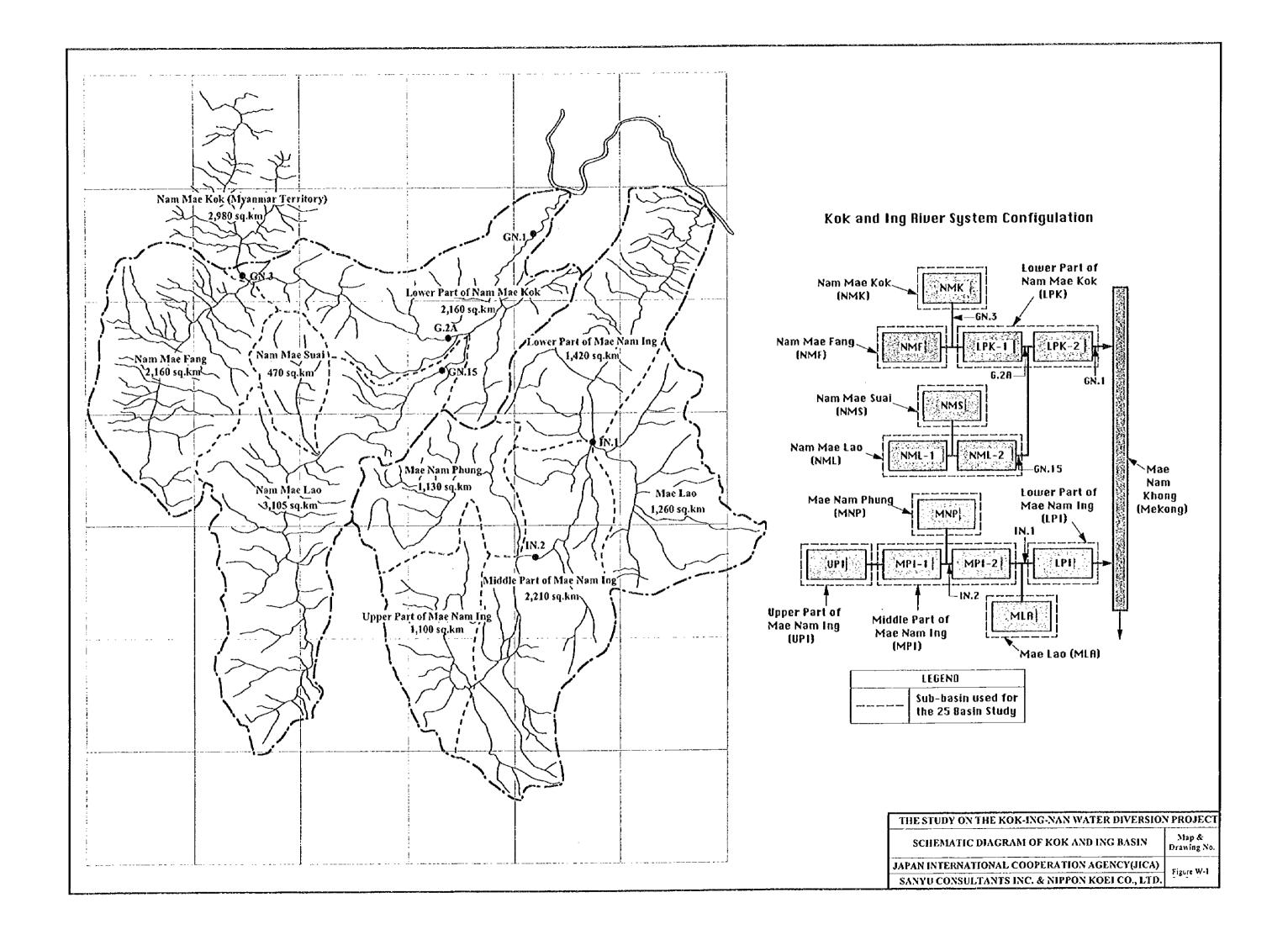
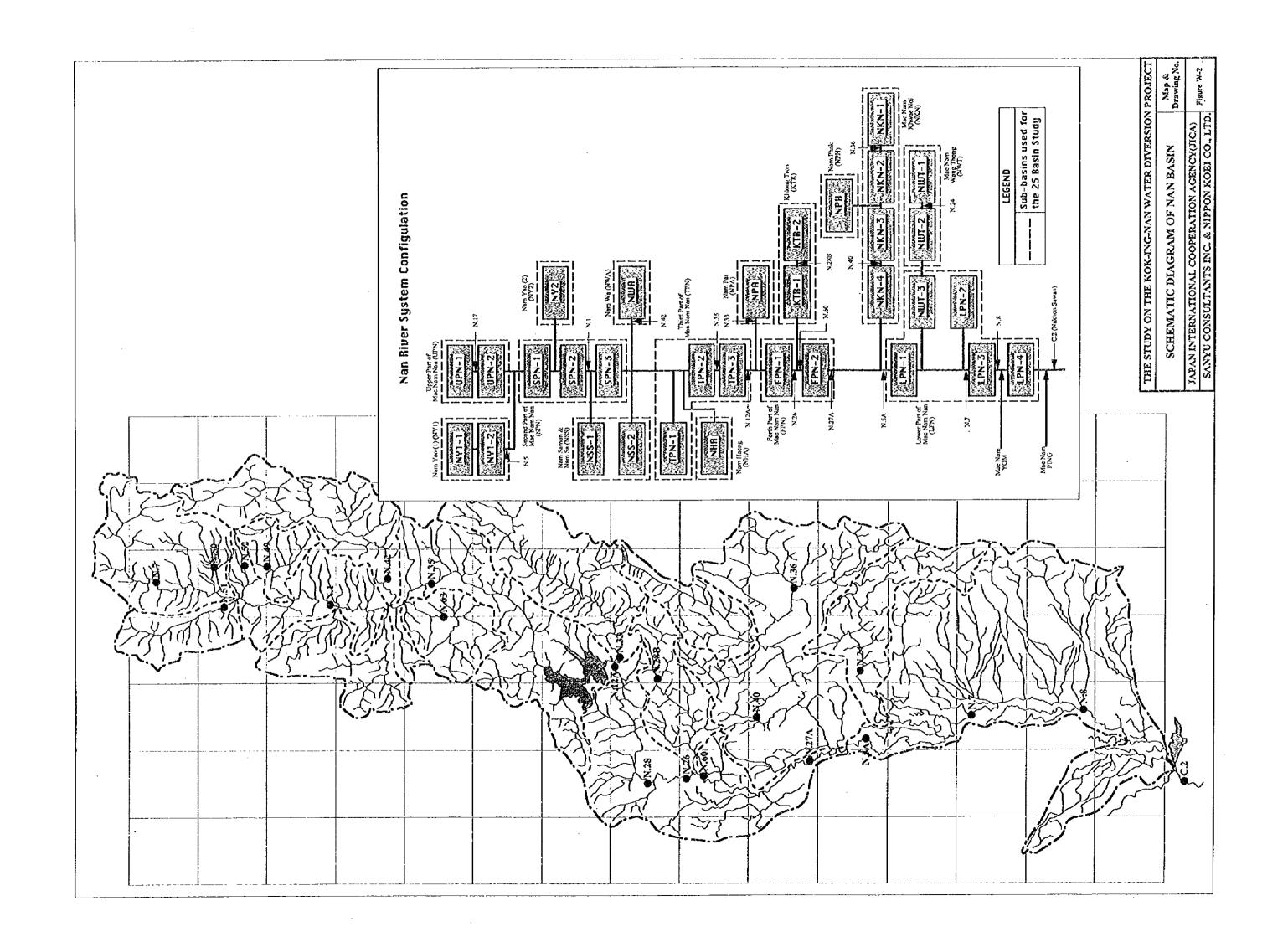
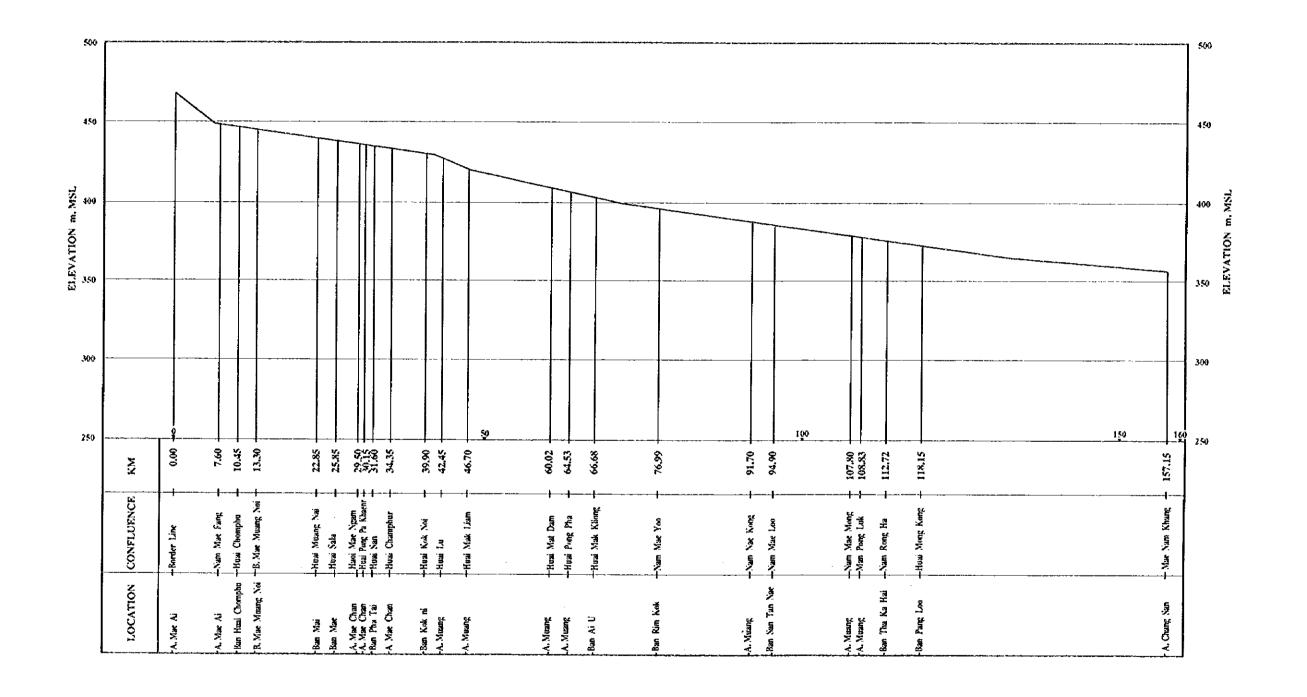
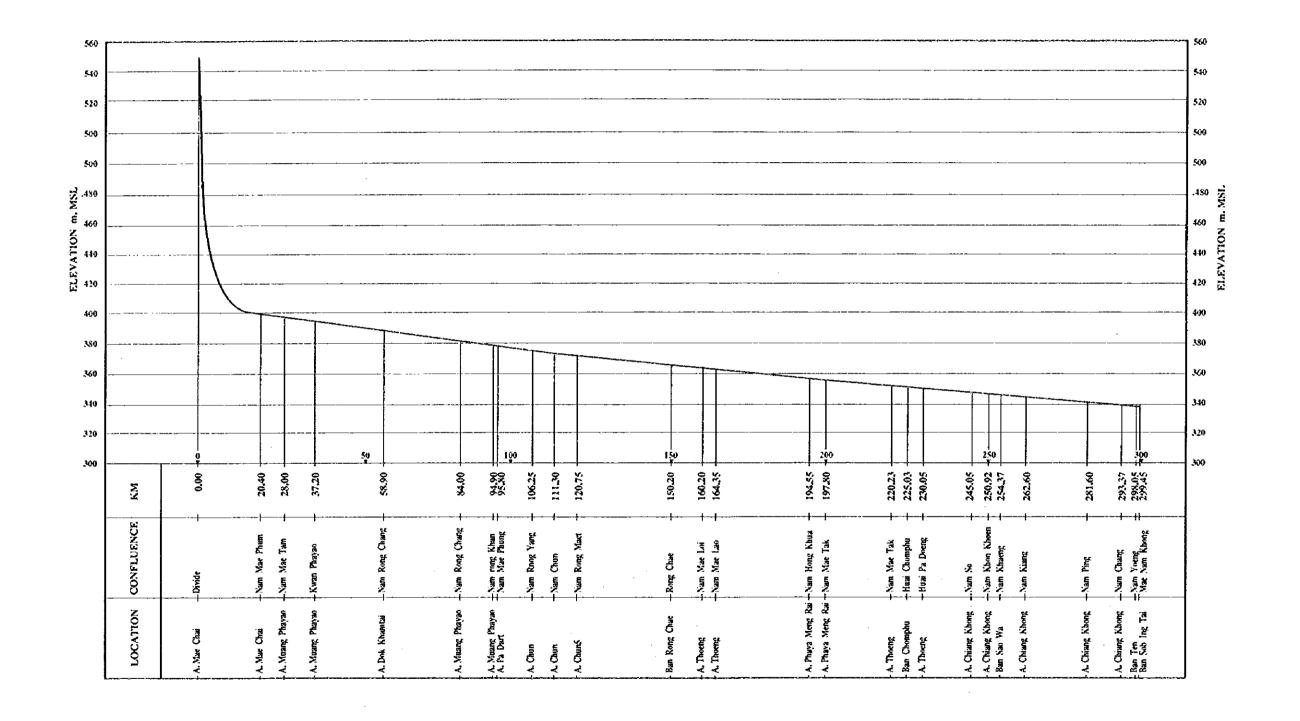
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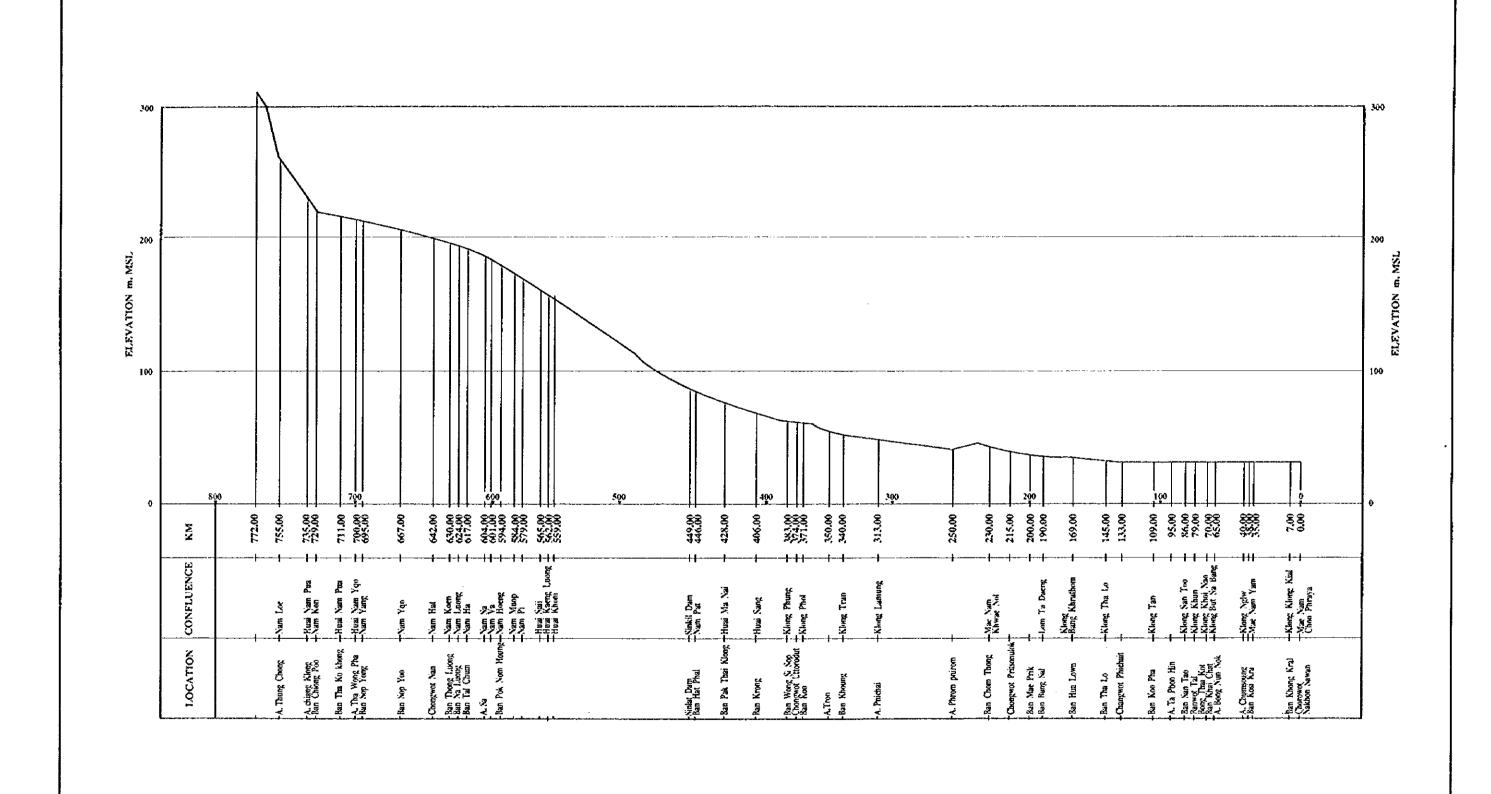




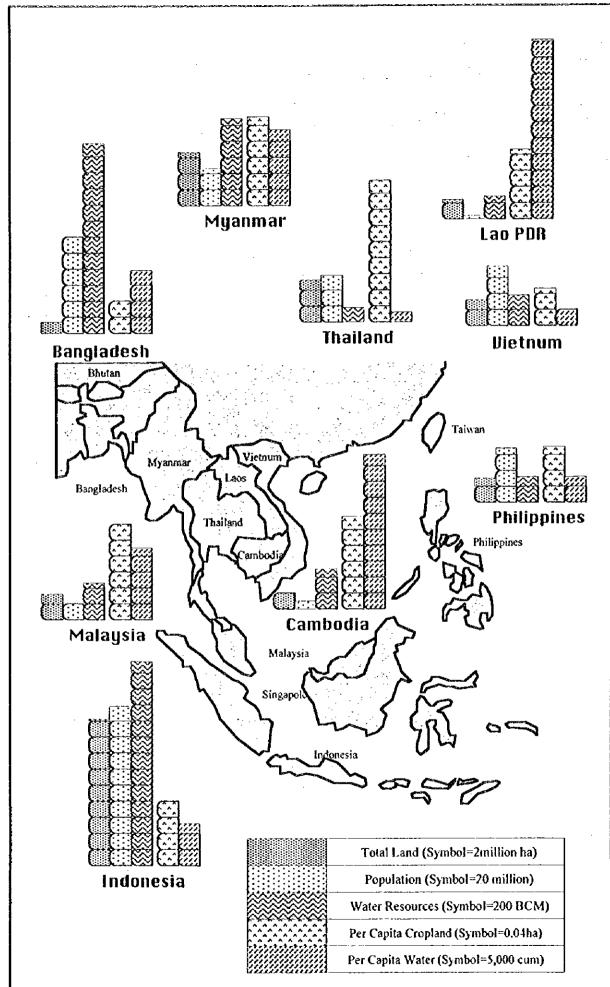
THE STUDY ON KOK-ING-NAN WATER DIVERSION	PROJECT
PROFILE OF THE KOK RIVER WITHIN THAILAND	MAP & Draw- log No.
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	F** 121 A
SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.	Figure W-3



THE STUDY ON KOK-ING-NAN WATER DIVERSION	PROJECT
PROFILE OF THE ING RIVER	MAP & Draw- ing No.
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	Figure W-4
SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.	1 15gare 11.4



	THE STUDY ON KOK-ING-NAN WATER DIVERSION	PROJECT
	PROFILE OF THE NAN RIVER	MAP & Draw Ing No.
	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	Figure W- 5
I	SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.	rigate 11.2



Annual Internal Renewable Water Resources in Southeastern Countries

	1995	Total Land	Annual R	tenewable Wat	er Resources	1	Annu	l Withdrawnis		Section	el Withdrav	als (%)
Country	Population (Thousand)	Area (1,000 ha)	Total (BCM)	Per Capita (cu.m)	Specific Yield (mm)	Year of Deta	Amount (BCM)	% of Water Resources	Por Capita (cu.m)	Domestic	Industry	Agriculture
Bangladesh	120,433	13,017	2,357.0	19,571	18,100	1987	22.50	1	220	3	Į.	. 96
Cambodia	10,251	17,652	498.1	48,590	2,820	1987	0.52	0	64	5	1	95
Indonesia	197,588	181,157	2,530.0	12,804	1,400	1987	16.59	1	96	13	11	76
Lao PDR	4,882	23,080	270.0	55,305	1,170	1987	0.99	0	259	8	10	82
Malaysia	20,140	32,855	456.0	22,642	1,390	1975	9.42	2	768	23	30	47
Myramu	46,527	65,755	1,082.0	23,255	1,650	1987	3.96	0	101	7	3	90
Philippines	67,581	29,817	323.0	4,779	1,080	1975	29.50	9	686	18	21	61
Thalland	59,791	51,099	179,8	3,045	350	1987	31.50	19	601	4	6	99
Vietnum	74,545	32,549	376.0	5,044	1,160	1992	28.90	8	414	13	9	78

Note: Data source = World Resources, 1996-97

Land Area and Land Use

				EXELUTION !	Old Emilia Cit	,				
	4005		1995		Cropland		Forest and Woodland			
Country	try Population (Thousand)	Total Land Area (1,000 ha)	Population Density (Per 1,000ha)	1991-93 Land Area (1,000ha)	% Change since 1981-83	Per Capita (ha)	1991-93 Land Area (1,000ha)	% Change since 1981-83	Per Capita (ha)	
Bangladesh	120,433	13,017	9,252	9,703	6.1	0.08	1,896	(-)12 2	0.02	
Cambodia	10,251	17,652	581	2,367	47.9	0.23	11,667	(-)11.3	1.14	
Indonesia	197,588	181,157	1,091	30,993	19.2	0.16	111,258	(-)3.7	0.56	
Lao PDR	4,882	23,080	212	807	11.6	0.17	703	(-)11.3	0.14	
Melaysia	20,140	32,855	613	4,880	0.4	0.24	20,347	(-)1.8	1.01	
Myanmar	46,527	65,755	708	10,061	(-)0.1	0.22	32,397	0.9	0.70	
Philippines	67,581	29,817	2,267	9,177	3.8	0.14	13,600	13.4	0.20	
Thalland	58,791	51,689	1,151	20,775	9.4	0.35	13,557	(-)13.8	0.23	
Vietnum	74,545	32,549	2,290	6,607	0.4	0.09	9,639	(-)8.8	0.13	
Vietnum	74,545	32,549	2,290	6,607	0.4	0.09	9,639	(-)8.8		

Note: Data source = World Resources, 1996-97

THE STUDY ON THE KOK-ING-NAN WATER DIVERSION	PROJECT	
LAMD & WATER RESOURCES IN SOUTHEASTERN ASIAN COUNTERIES	Map & Drawing No.	
JAPAN INTERNATIONAL COOPERATION AGENCY(JICA)	Figure W- 6	
SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.	Ligare 11.0	

25 Maii	a River I	Rasins in	Thailand
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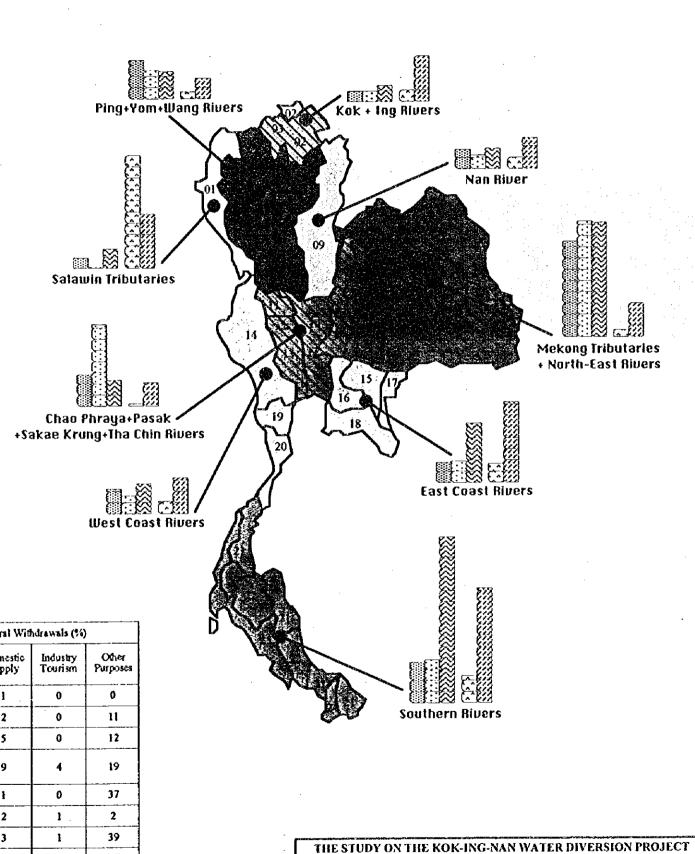
Code	Basin Name	Basin Area (sq.km)	Code	Basin Name	Basin Area (sq.km)
01	Salaween	17,920	14	Mae Klong	30,837
02	Khong	57,422	15	Prachinburi	10,481
03	Kok	*7,895	16	Bang Pakong	7,978
04	Chi	49,477	17	Tonele Sap	4,150
05	Mun	69,700	18	Eastern Coast	13,830
06	Ping	33,898	19	Phechaburi	5,603
07	Wang	10,791	20	Western Coast	6,745
08	Yom	23,616	21	South-East Coast	26,353
09	Nan	34,330	22	Tapi	12,225
10	Chao Phraya	20,125	23	Songkhla Lake	8,495
11	Sakae Krung	5,191	24	Pattani	3,858
12	Pasak	16,292	25	South-West Coast	21,172
13	Tha Chin	13,682		Total	512,066

Note: Basin area of 2,980 sq.km in Myanmar territory is not counted.

River Sysytems	25 Main River Basins		
Kok + Ing Rivers	03 + Part of 02		
Nan River	09		
Ring + Yom + Wang Rivers	05+07+08		
Chao Phraya + Pasak + Sakae Krung + Tha Chin Rivers	10+11+12+13		
West Coast Rivers	14+19+20		
East Coast Rivers	15+16+17+18		
Southern Rivers	21+22+23+24+25		
Salaween Tributaries	01		
Mekong Tributaries + North-East Rivers	Most of 02 + 04 + 05		

Available Water Resources in River Basins of Thailand

		Watershed	Available	Per Capita	Specific	Annuai		Soctoral Withdrawals (%)		
River Basin	Population (Thousand)	Area (sq.km)	Water Resources (MCM)	· 1	Yield	Withdrawals (MCM)	Irrigation	Domestic Supply	Industry Tourism	Other Purposes
Kok River + Ing River	1,766	17,994(*)	7,224	4,090	401	1,160	99	1	0	0
Nan River	2,384	34,330	9,158	3,841	267	3,290	87	2	0	11
Ping + Yom + Wang Rivers	5,068	68,305	12,026	2,373	176	4,545	83	5	0	12
Chao Phraya + Pasak + Sakae Krung + Tha Chin Rivers	14,513	55,290	11,702	806	212	14,611	68	9	4	19
West Coast Rivers	3,148	43,185	13,731	4,362	318	12,447	62	1	0	37
East Coast Rivers	3,861	36,439	26,351	6,827	723	7,333	95	2	1 .	2
Southern Rivers	7,604	72,103	73,824	9,708	1,024	8,527	57	3	1	39
Salawin Tributaries	214	17,920	8,566	40,028	478	622	99	0	0.5	0.5
Northeast Rivers + Mekong	20,543	169,480	50,867	2,476	300	10,072	92	7	1	0
Total	59,101	515,046(*)	213,459	3,612	414	62,607	75	5	1	19



Map & Drawing No.

Figure W. 7

LAND & WATER RESOURCES IN THAILAND

JAPAN INTERNATIONAL COOPERATION AGENCY(JICA)

SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.

	E . 4	E2 4	•	7T1 11 1
75 Main	Liver	Racine	ın	Thailand
LONGAIN	1/1/4	37 N 3 1 18 3		1 114114114

Code	Basin Name	Basin Area (sq.km)	Code	Basin Name	Basin Area (sq.km)
01	Salaween	17,920	14	Mae Klong	30,837
02	Khong	57,422	15	Prachinburi	10,481
03	Kok	*7,895	16	Bang Pakong	7,978
04	Chi	49,477	17	Tonele Sap	4,150
05	Mun	69,700	18	Eastern Coast	13,830
06	Ping	33,898	19	Phechaburi	5,603
07	Wang	10,791	20	Western Coast	6,745
08	Yom	23,616	21	South-East Coast	26,353
09	Nan	34,330	22	Тарі	12,225
10	Chao Phraya	20,125	23	Songkhla Lake	8,495
11	Sakae Krung	5,191	2-1	Pattani	3,858
12	Pasak	16,292	25	South-West Coast	21,172
13	i	13,682		Total	512,066

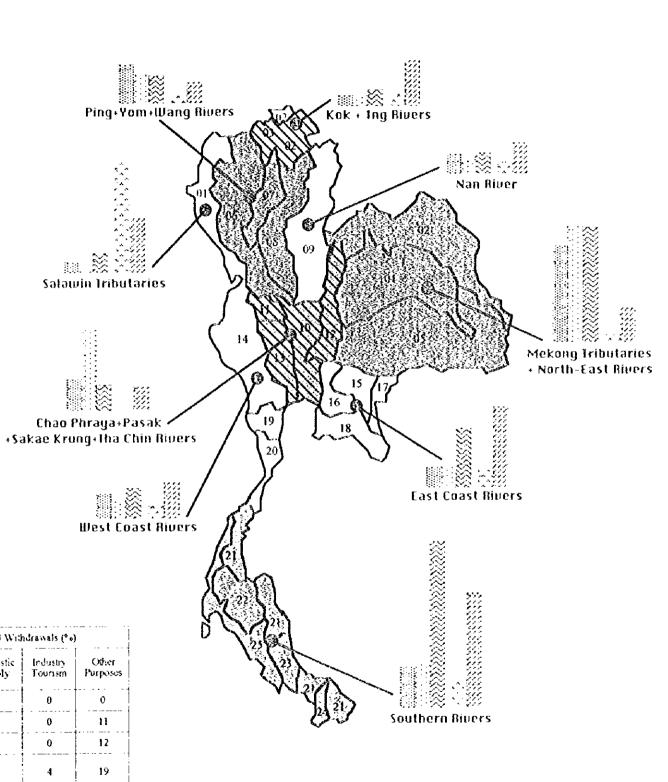
Note: Basin area of 2,980 sq km in Myaninar territory is not counted

Note: (*) 2,980 sq km in the Myanmar territory included

River Sysytems	25 Main River Basins
Kok + Ing Rivers	03 + Part of 02
Nan River	09
Ring + Yom + Wang Rivers	06 + 07 + 68
Chao Phraya + Pasak + Sakae Krung + Tha Chin Rivers	10 + 11 + 12 + 13
West Coast Rivers	14 + 19 + 20
Fast Coast Rivers	15 + 16 + 17 + 18
Southern Rivers	21+22+23+24+25
Salaween Tributaries	01
Mekong Iributanes + North-Fast Rivers	Most of 02 + 04 + 05

Available Water Resources in River Basins of Thailand

	:	We'ershad	Available	Per Capita	Specific	Annual	İ	Sectoral Withdrawals (%)		
River Basin	Population (Thousand)	Arca (sq km)	Water Resources (MCM)	Water Resources (cu m)	Runoff Yield (mm)	Withdrawals (MCM)	Imgation	Domestic Supply	Industry Tourism	Other Purposes
Kok River + Ing River	1,766	17,994(*)	7,224	4,690	401	1,160	99	1	0	0
Non River	2,384	34,330	9,158	3,841	267	3,290	87	2	0	11
Ping - You - Wang Rivers	5,068	68,305	12,026	2.373	176	4,545	83	5	0	12
Chao Phraya - Passk - Sabae Krong - Tha Chin Rivers	14,513	55,290	11,702	806	212	14,611	68	9	4	19
West Coast Rivers	3,148	43.185	13,731	4,362	318	12,447	62	1	0	37
Fast Coast Rivers	3,861	36,439	26,361	6,827	723	7,333	95	2	ŀ	2
Southern Rivers	7,604	72,103	73,824	9,708	1,024	8,527	57	3	1	39
Salawn Tributanes	214	17,920	8,566	40,028	478	622	99	0	0.5	0.5
Northeast Rivers + Mekong	20,543	169,480	50,867	2,476	300	10,072	92	7	i	0
Total	59,101	515,046(*)	213,459	3,612	414	62,607	75	5	1	19



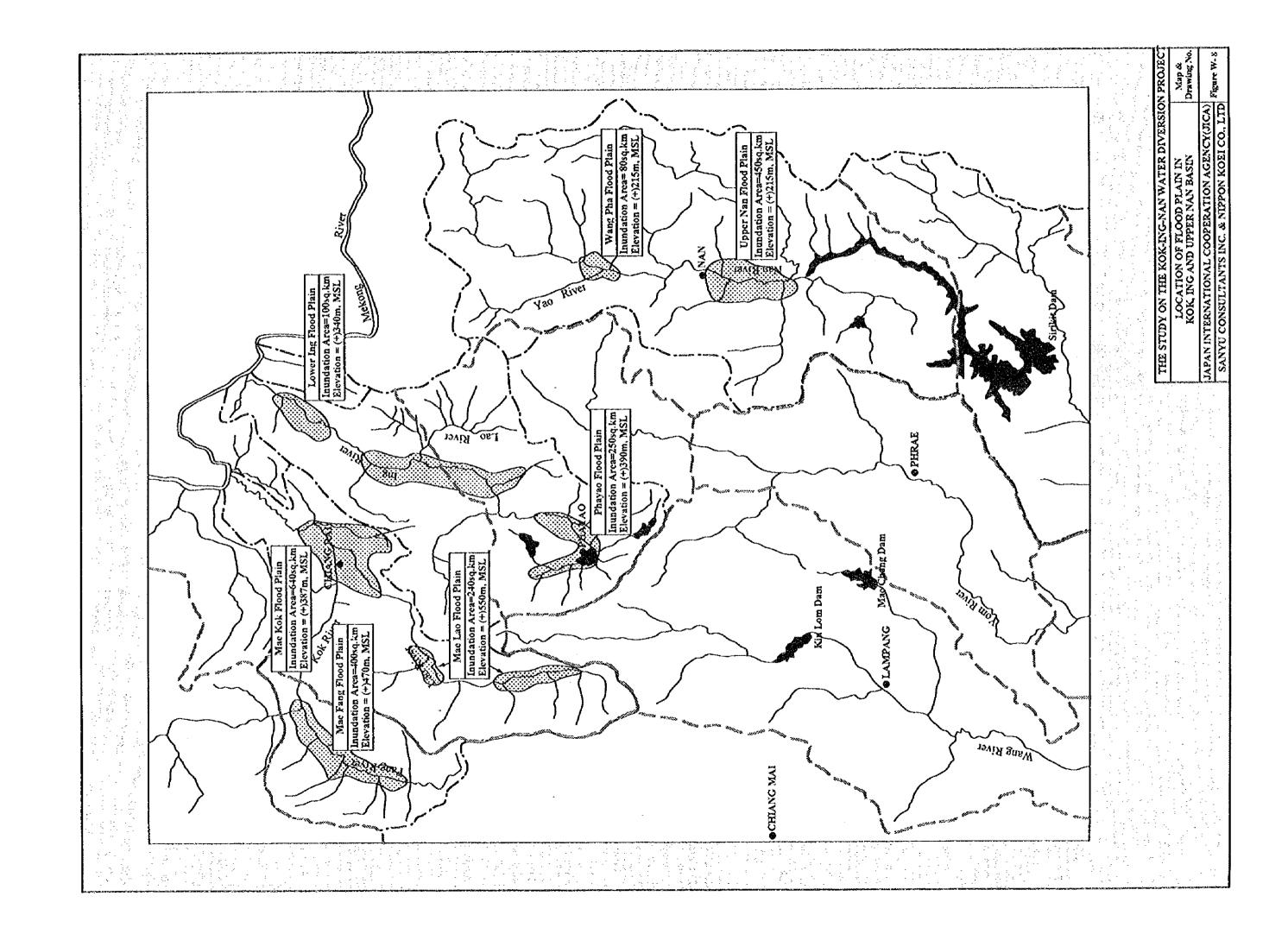
THE STUDY ON THE KOK-ING-NAN WATER DIVERSION PROJECT

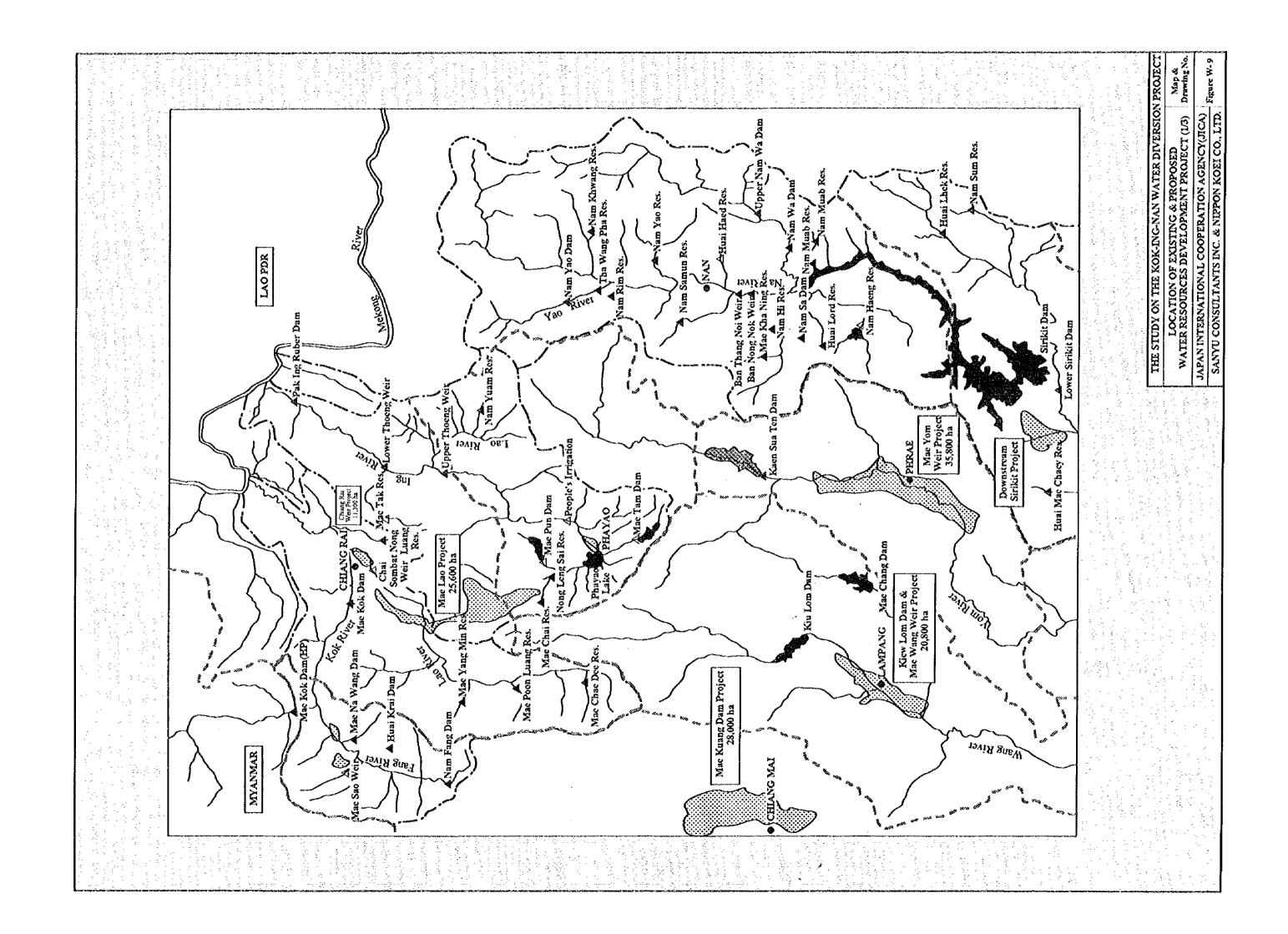
LAND & WATER RESOURCES IN THAILAND

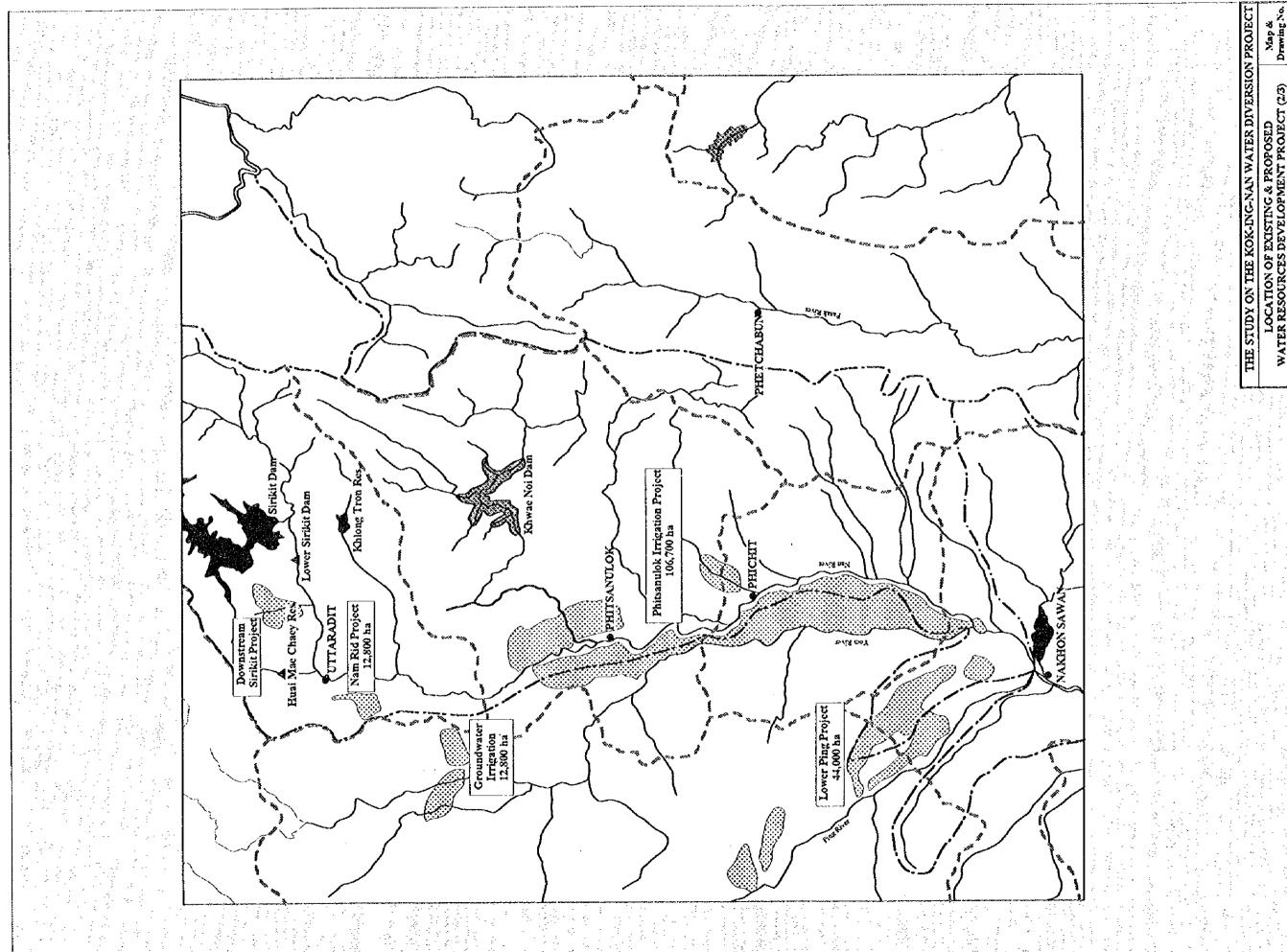
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JAPAN INTERNATIONAL COOPERATION AGENCY(JICA)
SANYU CONSULTANTS INC. & NIPPON KOELCO., LAD.

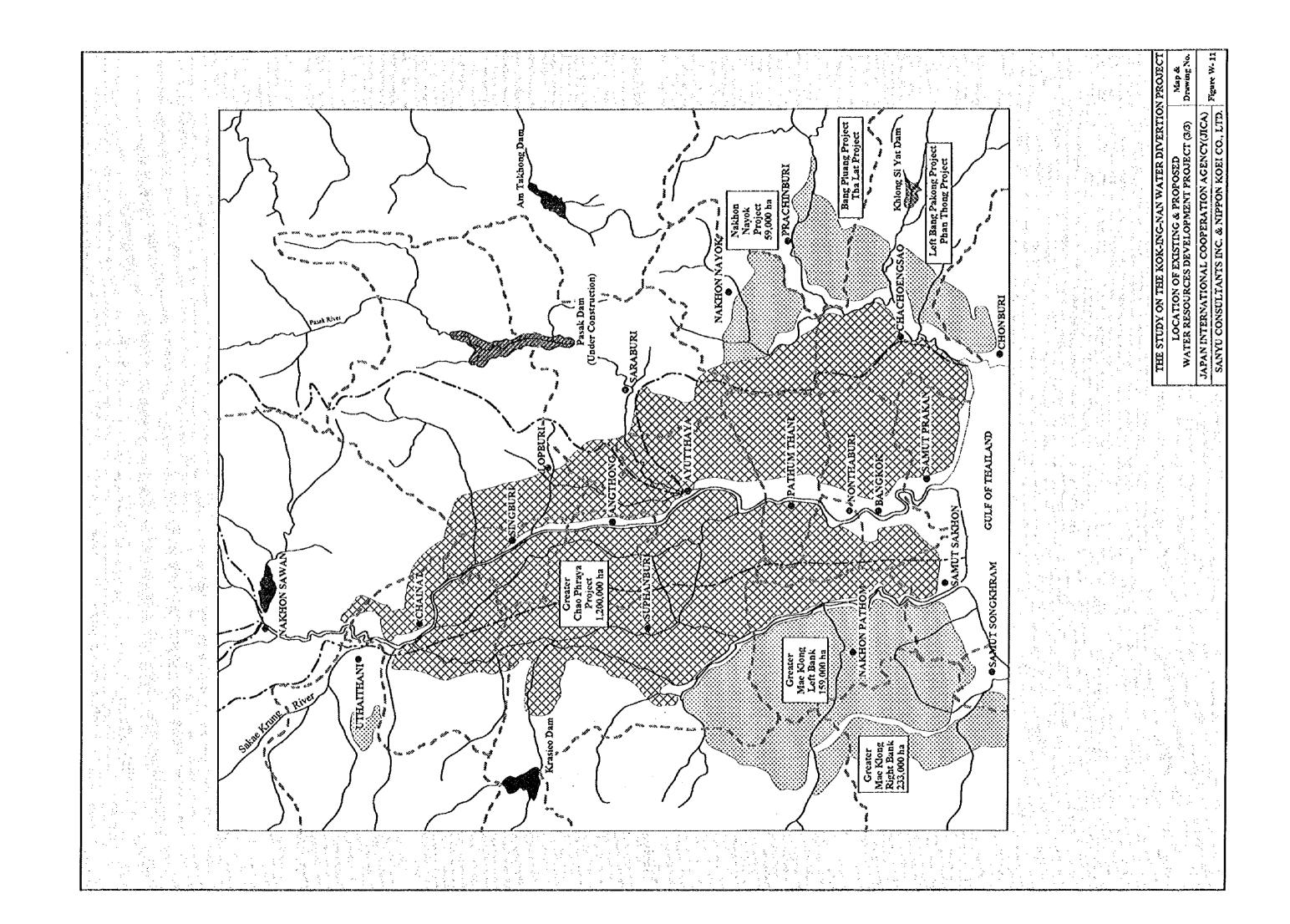
Figure W-

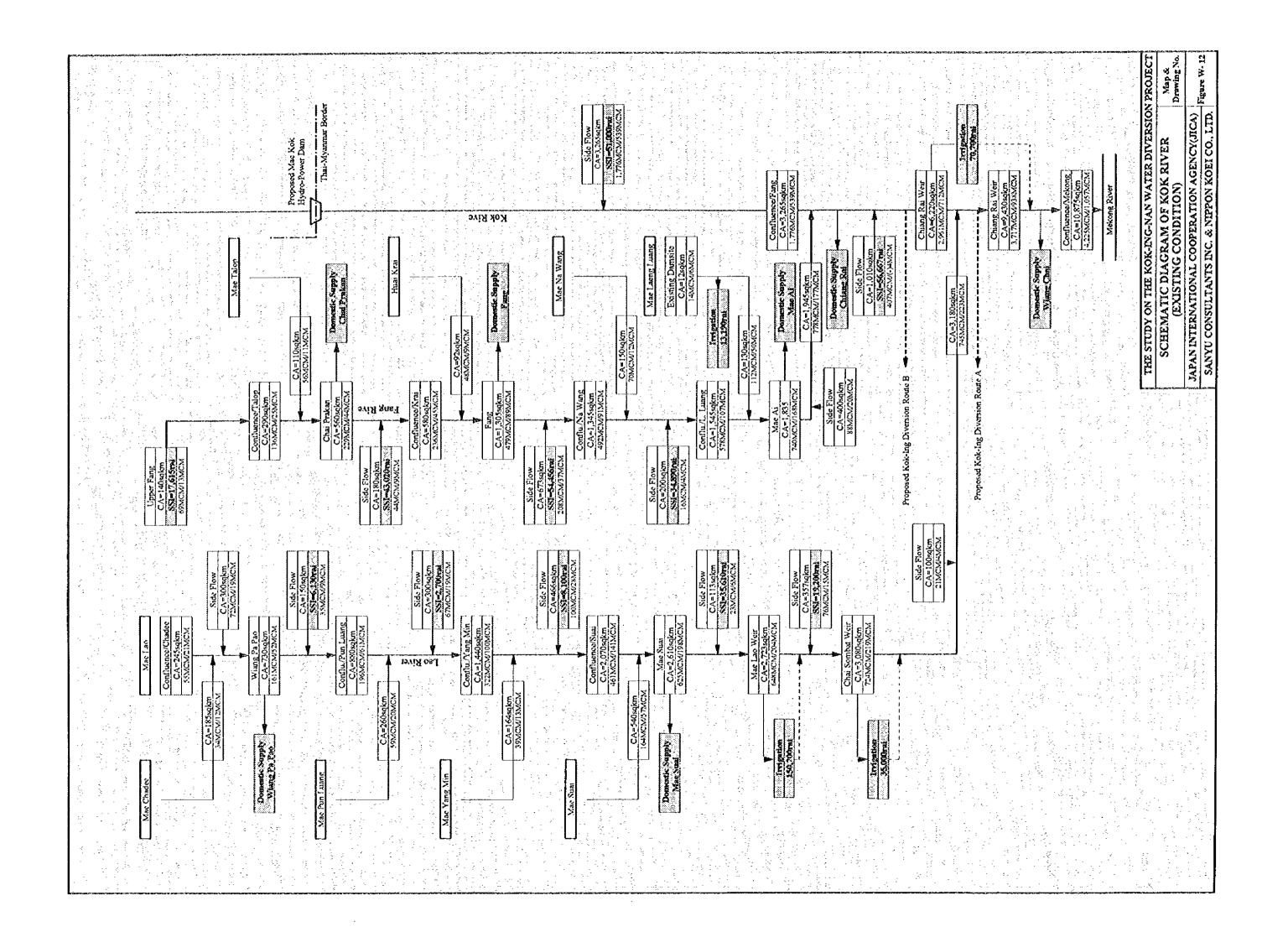


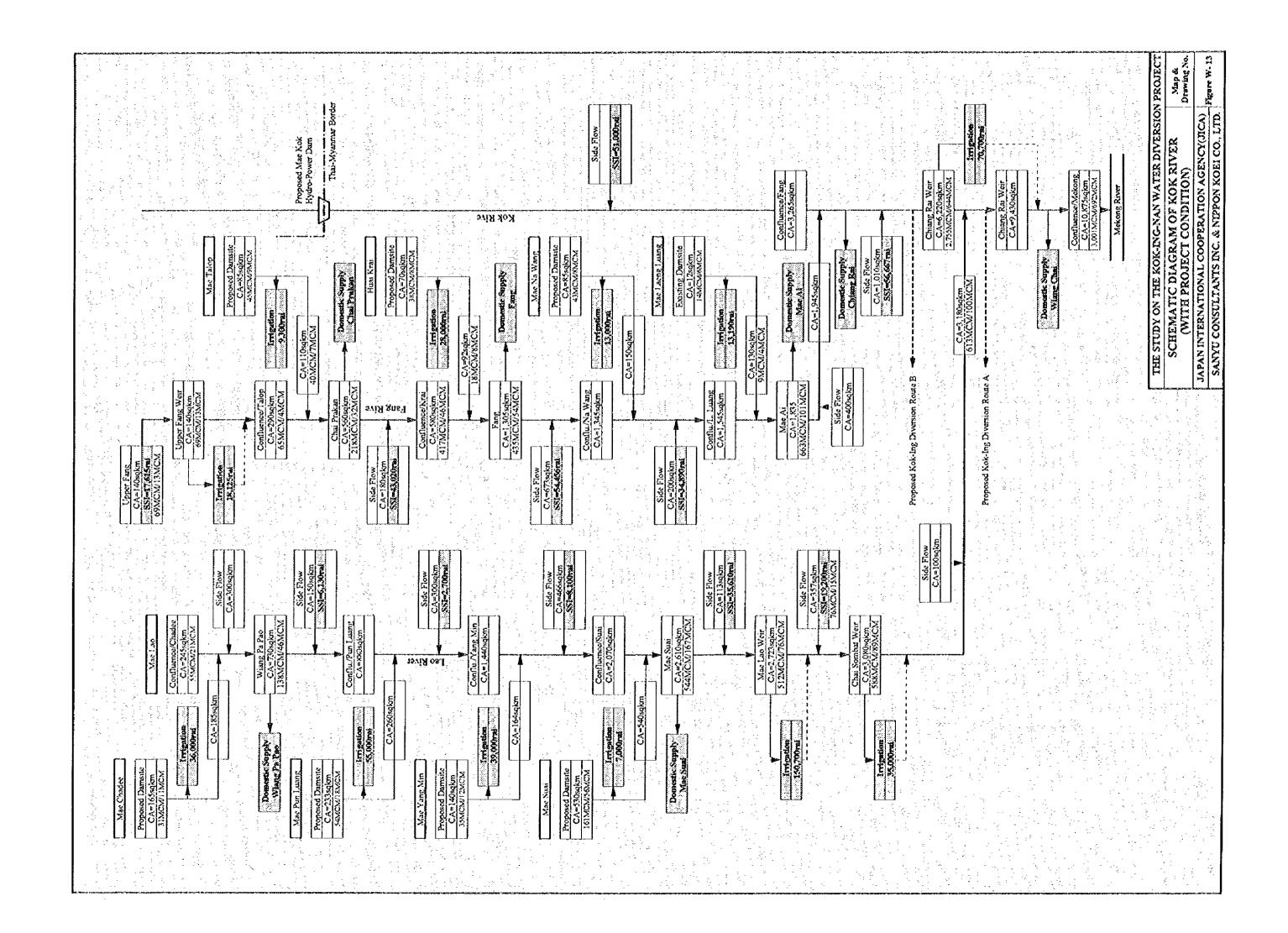


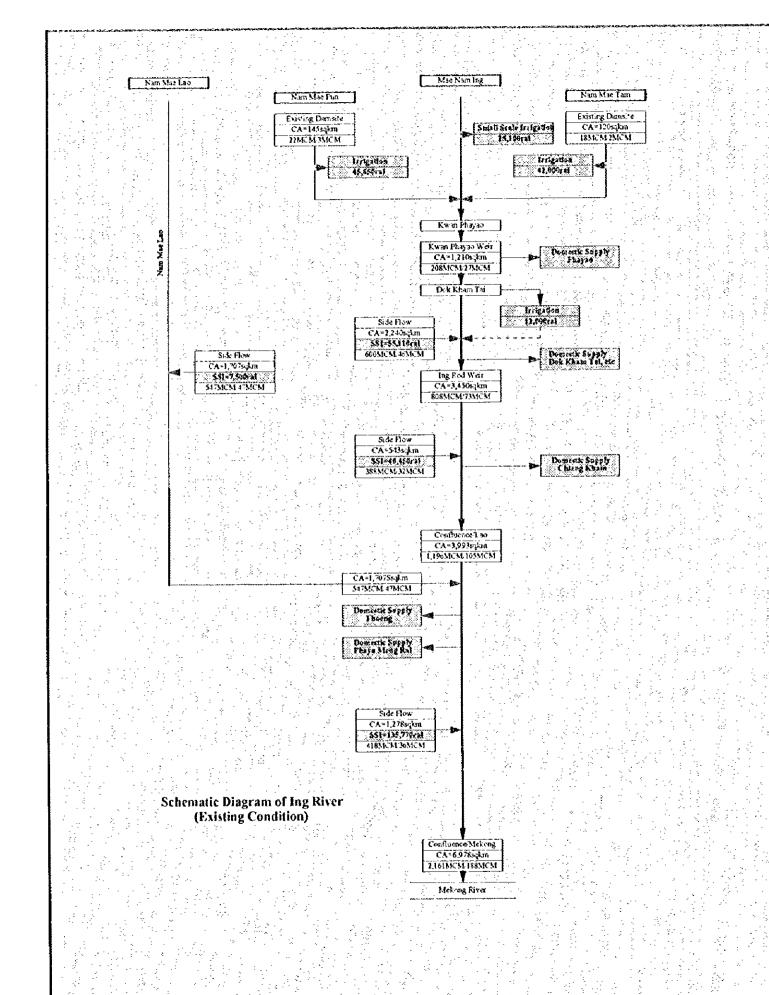


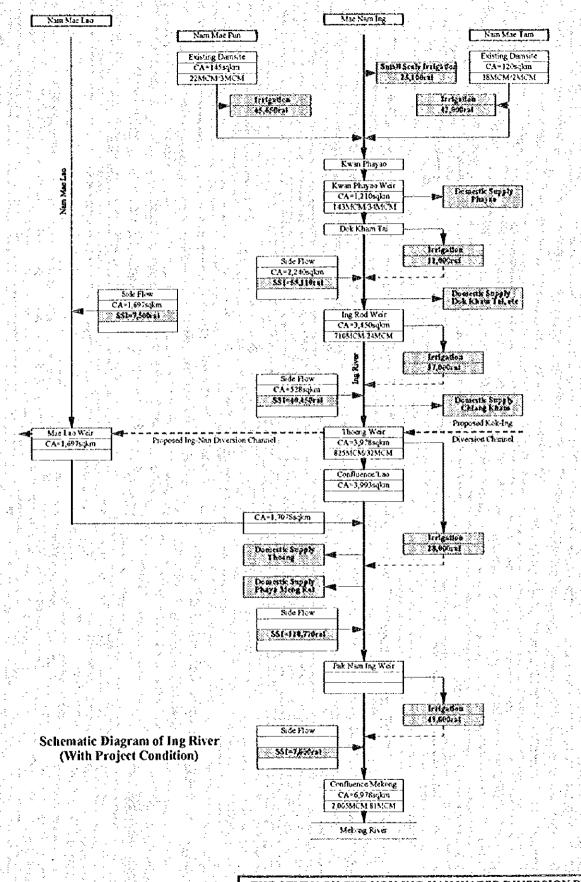
LOCATION OF EXISTING & PROPOSED WATER RESOURCES DEVELOPMENT PROJECT (2/3) JAPAN INTERNATIONAL COOPERATION AGENCY(JICA) SANYU CONSULTANYS INC. & NIPPON KOEI CO., LID.
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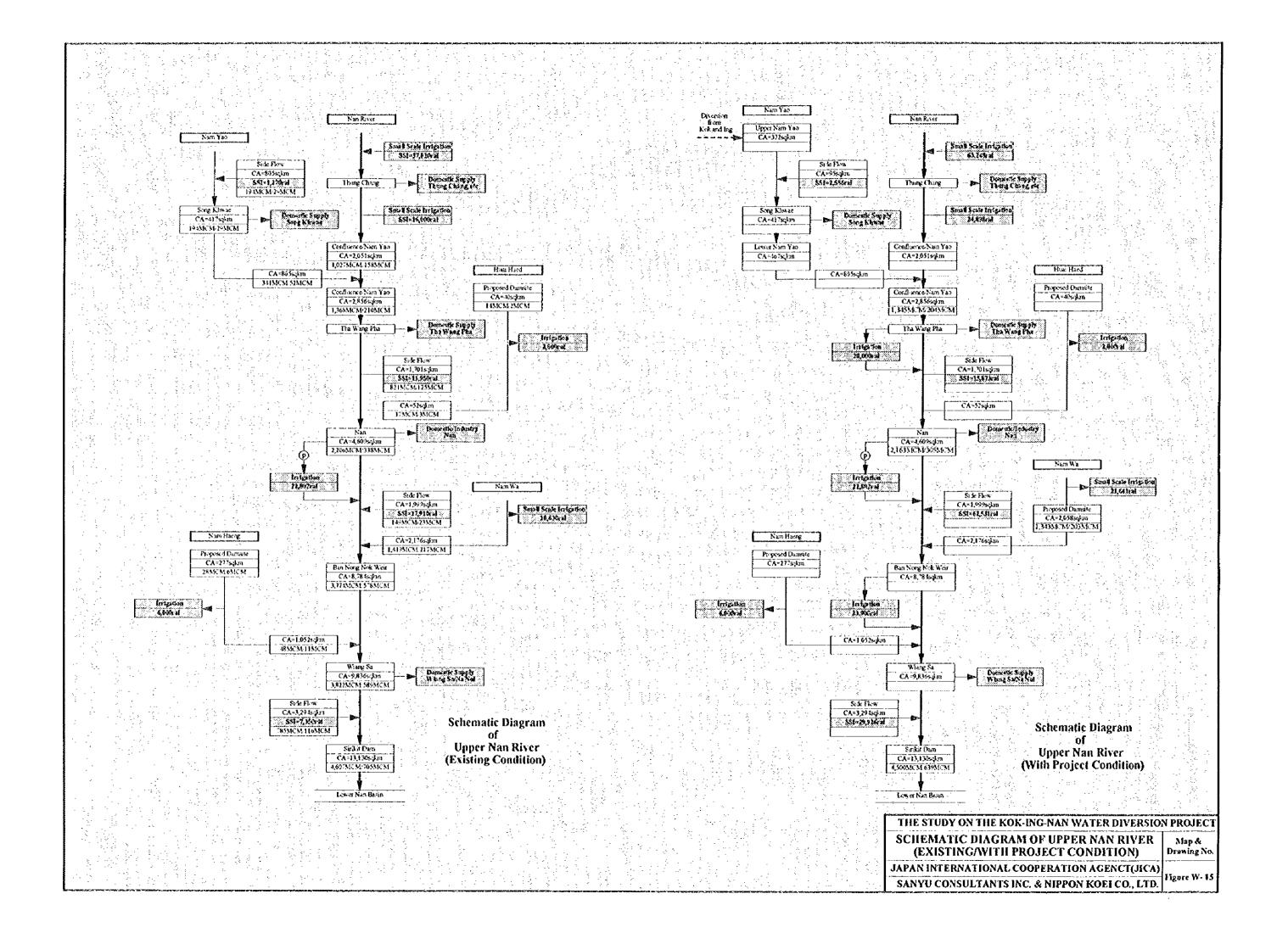


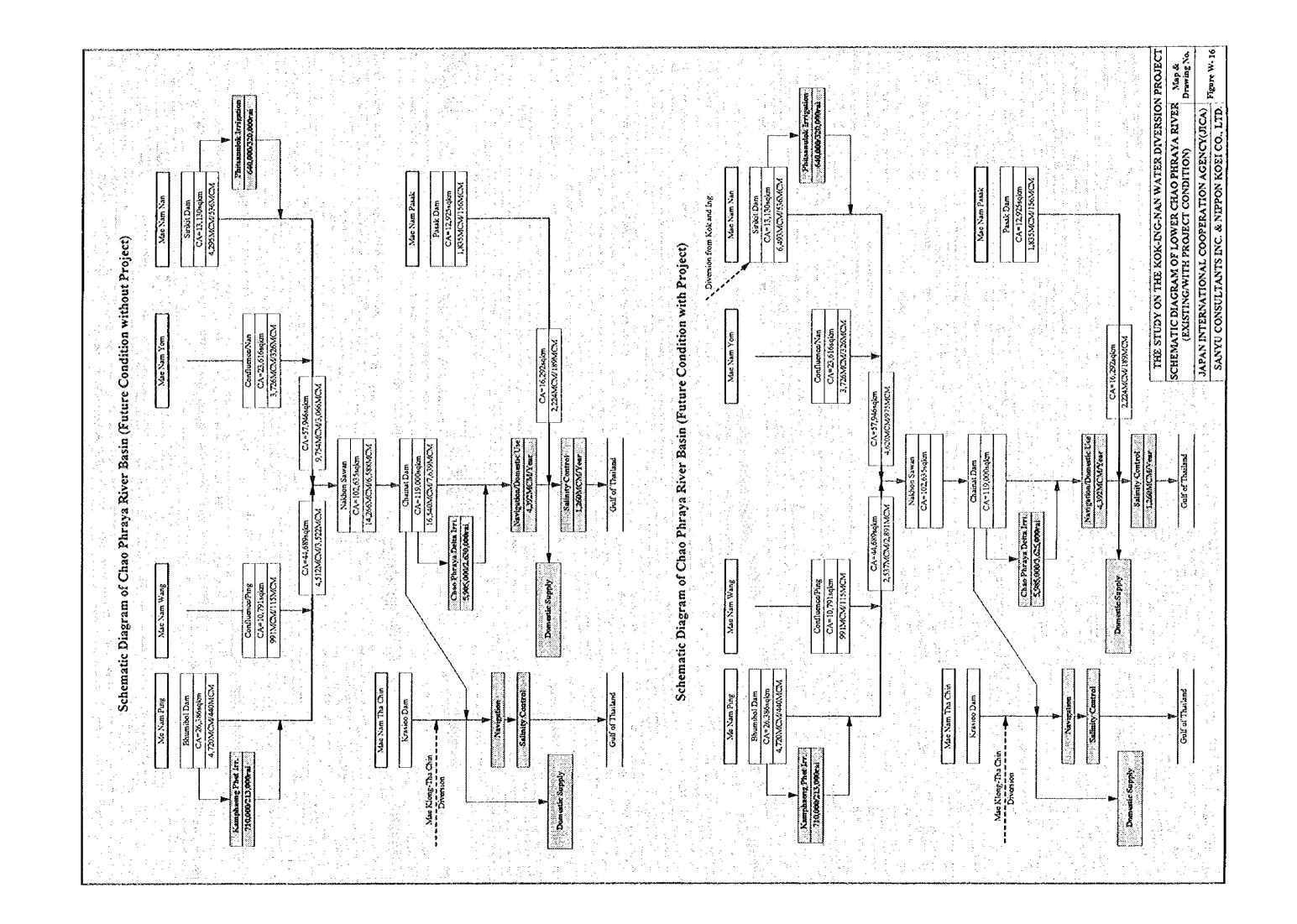
THE STUDY ON THE KOK-ING-NAN WATER DIVERSION PROJECT SCHEMATIC DIAGRAM OF ING RIVER Map& Drawing No

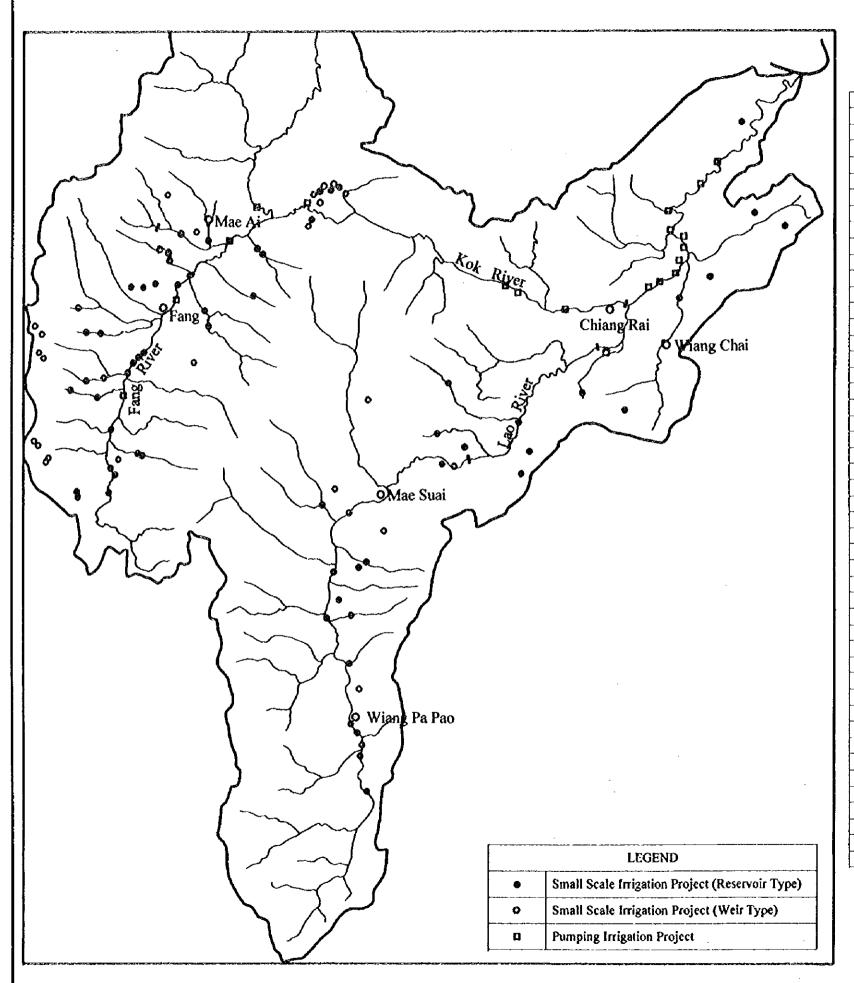
(EXISTING/WITH PROJECT CONDITION)

Figure W- 14

JAPAN INTERNATIONAL COOPERATION AGENCY(JICA) SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.





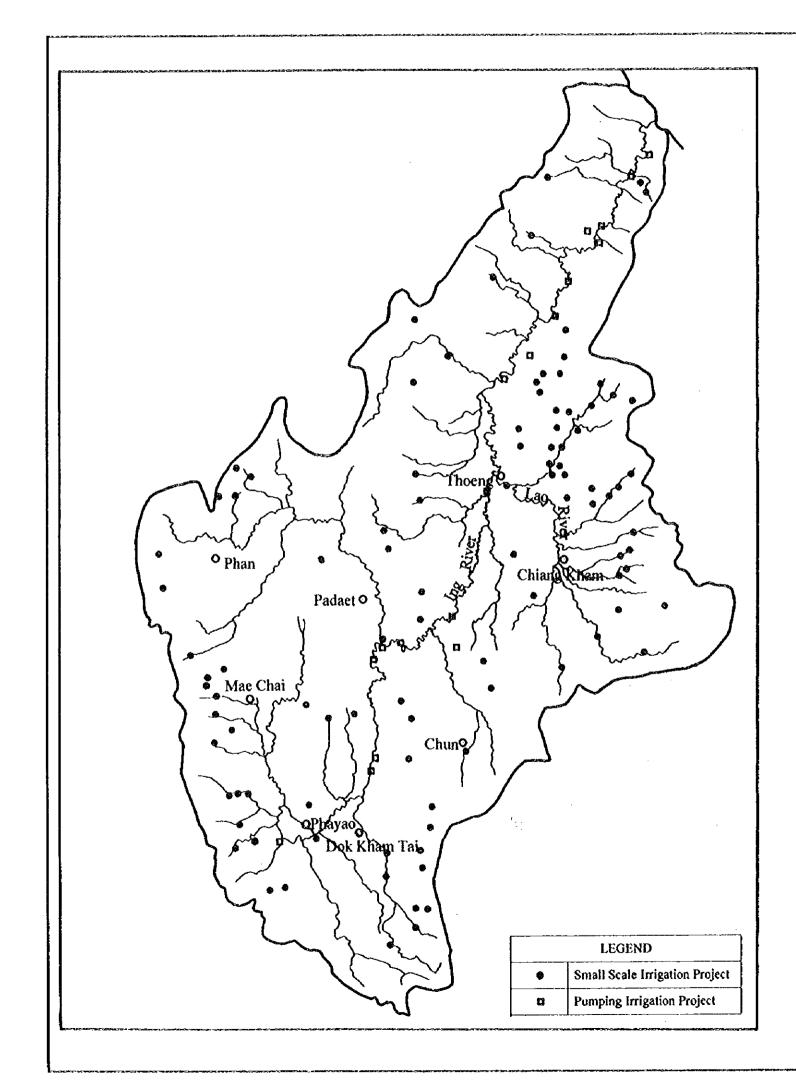


No	Project	Area (ra
Smal	Scale Irrigation Project	
1	Hoai Tab Chang Res	1,400
2	Thung Khlong Weir	1,700
3	Hin Weir	5,000
4	Huai Yian Weir	1,000
5	Huai Yian Res	2,000
6	Ruang Weir	2,000
1	Mae Sak Res	1,200
8	Huai Chom Phi Res.	1,000
9	Mae Chai Weir	100
10	Huai Ton Yang Res	1,000
11	Huai Nan Res	5,900
12	Huai Chae Res.	800
13	Haai Tao Pun Res.	300
14	Heat Pa Sang Weir	1,500
15	8an Pang Weir	6,000
16	Huai Nong Tu Res	450
17	Huai Nok Khao Weir	1,500
18	Huai Dae Res	1,000
19	Huai Hang Weir	1,000
20	Rong Sak Res	1,500
21	Huai Pha Miang Res	300
22	Huai Ton Tum Res	100
23	Huai Kacw Res	1,700
24	Huai Yang Kham Res	600
25	Haai Pa Sak Weir	1,660
26	Rong Chang Res	1,300
27	Hudi Pang Dueng Res	4,500
28	Rong Fha Res.	4,000
29	Huzi Chem Phu Res	200
30	Mae Yen Res.	1,800
31	Pa Fack Weir	1,000
32	Huai Kok Weir	2,500
33	Huai Krung Weir	500
34	Too Kuang Weir	1,000
35	Huai Jan Weir	1,600
36	Huai Mee Chedi Weir	1,000
37	Huai Pha Tan Res.	2 500
38	She Tan West	200
39	Huai Dua Weir	500
40	Huai Yang Ree	1 550
41	Doi View Res	2,000
42	Huai Chang Phuak Res	200
43	Huai Yang Ree.	2,666
44	Huai Hom Res	1,000
44 45	Huai Hom Res Pong Deepg Res.	500

No	Project	Area (rai)
47	Mac Bon Res	2,500
48	Mae Suu Weir	1,000
49	Wang Khian Weir	5,600
50	Hani Luang Res.	3,200
51	Nan Ngaw Res	500
52	Tung Hong Res	3,000
53	Huai Bang Deeng Res.	4,200
54	Rong Rew Res	800
55	Huai Khrai Res	1,300
56	Huai Pong Weir	600
57	Ton Khuang Weir	1,000
58	Pa Hat Weir	500
59	Huai Chiang Khian Res	3,200
60	Huai Cham Tong Res	1,000
61	Huai Dee Mee Res.	1,500
62	Huai Yang Hom Res	1,700
63	Huai Ta Res	1,000
64	Ba Dan Weir	200
65	Huai Kiang Res	1,360
66	Huai Muang Chum Res	500
67	Huai Yack Sai Res	800
68	Mae Raw Res	1,200
69	Huai Wai Res.	3,600
70	Huai Borg Res.	1,700
71	Mae Tam Klang Weir	7,000
72	Mae Tak Weir	2,509
73	Rong Auam Res	3,000
74	Rong Lan Res	5,000
75	Huai Na Ban	200
76	Pua Weir	1,500
77	Huai Fai Res	3,000
78	Hozi Cham Long Res	100
79	Huai Pha Lat	600
80	San Pu Loci Res.	450
81		1,000
	Nam Sa Kacw	3,000
87		1,000
83	Wean Khong	+
84	Huzi Sa Res	1,500
85	Nan You Res	146,250
	Small Scale Total	1 140,250
	1 Scale (King's) Project	T
1	Hoai Pa Sak Res	1,000
2	Huai San To Res	5,000
3	Mae Knew Weir	1,700
4	Huai Ton Yang Res.	3,700
5	Huai Ban Res	23,000
6	Doi Ngew Res	2,000

No	Project	Arva (rai)
7	Huai Phan Res.	5,000
8	Huai Khrang Weir	500
9	Huai Khek Weir	2,500
10	Huai Pa fan Res	2,100
11	Heai Dus Weir	500
12	Huni Mae Chedi Weis	1,000
13	Huai Mae Chedi Weir	1,000
14	Huai Lueng Weir	100
15	Husi Teng Res	1,360
16	Hasi Tong Weir	1,500
17	Huai Kho Res	8,000
18	Huai Ta Khuan Res.	12,000
	Small Scale (King) Total	71,400
Pum	ping Irrigation Project	
1	Wrang Wai	2,370
2	Rong Rew	1,990
3	Luang	1,670
4	Sri Don Chai	3,690
5	Nan Fhrac	1,030
5	San Tab Tong	2,540
7	Boon Ruang	1,680
8	Khrubg Tei	1,500
9	Boon Ruang (2)	1,500
10	Rong Mack	1,830
11	Fhuang Fhayom	1,530
12	Mae Sai Lao	1,250
13	Sri Miang Chum	1,300
14	Huai Dox Khem	1,500
15	Lo	1,200
16	Wang Khen Daeng	1,500
17	Dun Bon	1,800
<u> </u>	Pumping Project Total	29,280
Natio	ral Security Project	,
)	Huai Ban Res.	1,000
2	Tab Tao Res	800
3	Ban Lao Weir	2,500
4	Huai Pong Weir	600
5	Huai Sai Kat Weir	500
6	Nam Ngaw Weir	1,000
7	Næn Ngaw Res	500
8	Rm Pho Thai Weir	Dk∗mes
9	Ban Khun Huai Khok	Domes
10	Ban Huai Hia	Dor.es
11	Ban Kew	Domes
12	Ban Rat Fhak Dee	300
L	National Security Total	7,200
L		

THE STUDY ON THE KOK-ING-NAN WATER DIVERSION	PROJECT
EXISTING SMALL SCALE IRRIGATION PROJECTS IN KOK RIVER BASIN	Map & Drawing No.
JAPAN INTERNATIONAL COOPERATION AGENCY(JICA)	Figure W-17
SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.	l tigate M.T.

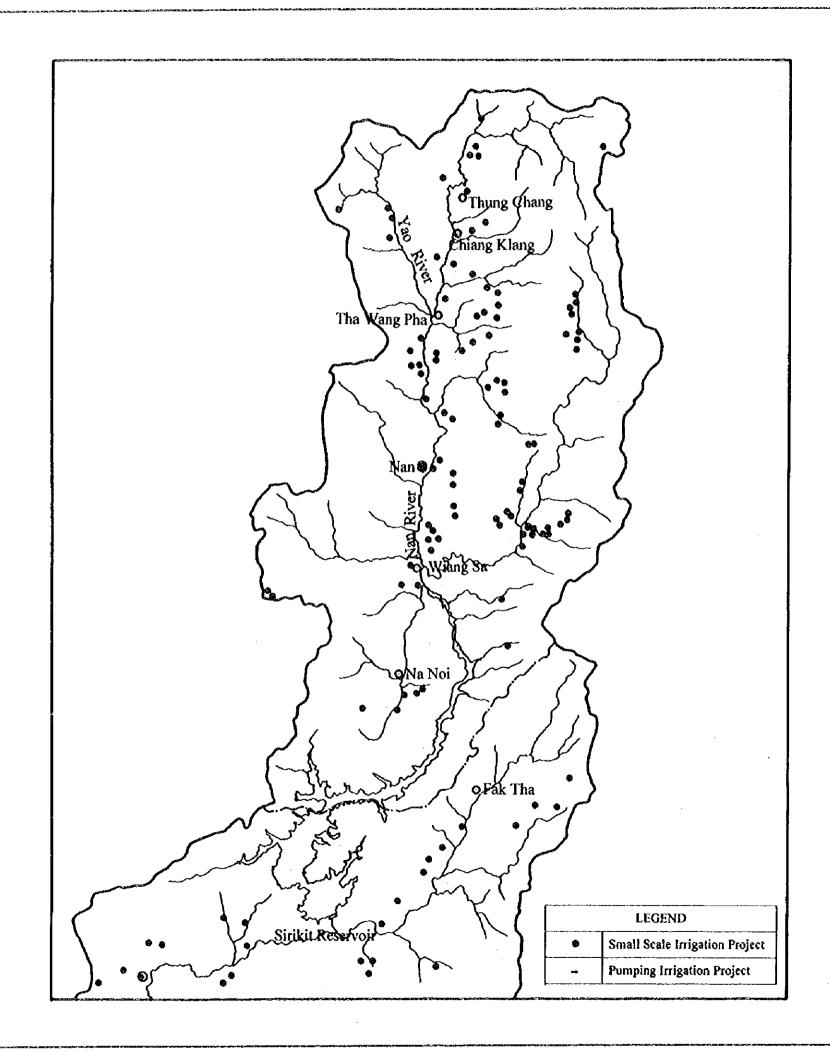


No	Project	Area (rai)
Smal	Scale Irrigation Project	`
ì	Huai Tab Chang Res.	1,400
2	Thung Khlong Weir	1,700
3	Hin Weir	5,000
4	Huai Yian Weir	1,000
5	Huai Yian Res.	2,000
6	Ruang Weir	2,000
1	Mae Sak Res.	1,200
8	Huai Chom Phi Res.	1,000
9	Mae Chai Weir	- 100
10	Huai Ton Yang Res.	1,000
11	Huai Nan Res.	5,900
12	Hoai Chae Res.	800
13	Huai Tao Pun Res.	500
14	Huai Pa Sang Weir	1,500
15	Ban Pang Weir	6,000
16	Huai Nong Tu Res.	450
17	Huai Nok Khao Weir	1,500
18	Huai Dae Res	1,600
19	Huai Hang Weir	1,000
20	Rong Sak Res	1,500
21	Huai Pha Miang Res.	300
22	Huai Ton Tum Res.	100
23	Huai Kaew Res.	1,700
24	Huai Yang Kham Res	600
25	Huai Pa Sak Weir	1,000
26	Rong Chang Res.	1,300
27	Huai Pang Daeng Res	4,500
28	Rong Pha Res.	4,000
29	Huai Chom Phu Res.	200
30	Mae Yen Res	1,800
31	Pa Fack Weir	1,000
32	Huai Kok Weir	2,500
33	Huai Krung Weir	500
34	Ton Kuang Weir	1,000
35	Huai Ian Weir	1,000
36	Huai Mae Chedi Weir	1,000
37	Huai Pha Tan Res.	2.500
38	Pha Tan Weir	200
39	Huai Doa Weir	500
40	Huai Yang Res.	1.550
41	Doi View Res.	2,000
42	Huai Chang Phuak Res.	200
43	Huai Yang Res.	2,000
44	Huai Hom Res.	1,000
45	Pong Daeng Res	500
46	Mac Kaew Res.	3,000

No Project Area (rai) 47 Mace Bon Res. 2,500 48 Mace Sun Weir 1,000 49 Wang Khian Weir 5,600 50 Huai Luang Res. 3,200 51 Nam Ngaw Res. 500 52 Tung Hong Res 4,200 54 Rong Rew Res. 800 54 Rong Rew Res. 800 55 Huai Enang Daeng Res 4,200 56 Huai Pong Weir 600 57 Ton Khuang Weir 1,000 58 Pa Hat Weir 500 59 Huai Chiang Khian Res. 3,200 60 Huai Cham Tong Res. 1,000 61 Huai Pang Hom Res. 1,000 62 Huai Yang Hom Res. 1,700 63 Huai Yang Hom Res. 1,000 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Muang Chum Res. 500 67 Huai Wai Res. <th></th> <th></th> <th></th>			
48 Mxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	No	Project	Area (rai)
49 Wang Khian Weir 5,600 50 Huai Luang Res. 3,200 51 Nam Ngaw Res. 500 52 Tung Hong Res 3,000 53 Huai Bang Daeng Res 4,200 54 Rong Rew Res. 800 55 Huai Khrai Res. 1,300 56 Huai Pong Weir 600 57 Ton Khuang Weir 1,000 58 Pa Hat Weir 500 59 Huai Chiang Khian Res. 3,200 60 Huai Cham Tong Res. 1,000 61 Huai Yang Hom Res. 1,700 62 Huai Yang Hom Res. 1,700 63 Huai Kiang Res. 1,300 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,200 66 Huai Muang Chum Res. 500 67 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mac Tam Klang Weir 7,000 72 Mac Taw K	47	Mae Bon Res.	2,500
50 Huai Luang Res. 3,200 51 Nam Ngaw Res. 500 52 Tung Hong Res 3,000 53 Huai Bang Daeng Res 4,200 54 Rong Rew Res. 800 55 Huai Khrai Res. 1,300 56 Huai Pong Weir 600 57 Ton Khuang Weir 1,000 58 Pa Hat Weir 500 59 Huai Chiang Khian Res. 3,200 60 Huai Cham Tong Res. 1,000 61 Huai Dee Mee Res. 1,500 62 Huai Yang Hom Res. 1,700 63 Huai Yang Hom Res. 1,000 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Kiang Res. 1,300 67 Huai Yaek Sai Res. 800 68 Mac Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mac Taw Weir <td>48</td> <td>Mae Sun Weir</td> <td>1,000</td>	48	Mae Sun Weir	1,000
51 Nam Ngaw Res. 500 52 Tung Hong Res 3,000 53 Heai Bang Daeng Res 4,200 54 Rong Rew Res. 800 55 Huai Khrai Res. 1,300 56 Huai Pong Weir 600 57 Ton Khuang Weir 1,000 58 Pa Hat Weir 500 59 Huai Chiang Khian Res. 3,200 60 Huai Cham Tong Res. 1,000 61 Huai Yang Hom Res. 1,700 62 Huai Yang Hom Res. 1,700 63 Huai Yang Res. 1,300 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Muang Chum Res. 500 67 Iluai Yack Sai Res. 800 68 Mac Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mac Tam Klang Weir 7,000 72 Mac Tam Kla	49	Wang Khian Weir	5,600
52 Tung Hong Res 3,000 53 Haai Bang Daeng Res 4,200 54 Rong Rew Res. 800 55 Huai Khrai Res. 1,300 56 Huai Pong Weir 600 57 Ton Khuang Weir 1,000 58 Pa Hat Weir 500 59 Huai Chiang Khian Res. 3,200 60 Huai Cham Tong Res. 1,000 61 Huai Yang Hom Res. 1,700 62 Huai Yang Hom Res. 1,000 63 Huai Kiang Res. 1,300 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Kiang Res. 1,300 67 Huai Wai Res. 3,600 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Msc Tan Ktang Weir 7,000 72 Msc Tan Ktang Weir 7,000 73 Rong Auam Res. 5,000 74 Rong Lan	50	Huai Luang Res.	3,200
53 Heai Bang Daeng Res 4,200 54 Rong Rew Res. 800 55 Huai Khrai Res. 1,300 56 Huai Pong Weir 600 57 Ton Khuang Weir 1,000 58 Pa Hat Weir 500 59 Huai Chiang Khian Res. 3,200 60 Huai Cham Tong Res. 1,000 61 Huai Cham Tong Res. 1,000 62 Huai Yang Hom Res. 1,700 63 Huai Ta Res. 1,000 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Kiang Res. 3,600 67 Huai Wai Res. 3,600 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mac Tam Ktang Weir 7,000 72 Mac Taw Ktang Weir 7,000 73 Rong Auam Res. 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ba	51	Nam Ngaw Res.	500
54 Rong Rew Res. 800 55 Huai Khrai Res. 1,300 56 Huai Pong Weir 600 57 Ton Khuang Weir 1,000 58 Pa Hat Weir 500 59 Huai Chiang Khian Res. 3,200 60 Huai Cham Tong Res. 1,000 61 Huai Cham Tong Res. 1,500 62 Huai Yang Hom Res. 1,000 63 Huai Ta Res. 1,000 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Kiang Res. 3,000 67 Huai Wai Res. 3,600 68 Mac Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Msc Tam Klang Weir 7,000 72 Msc Tam Klang Weir 7,000 73 Rong Lan Res. 5,000 74 Rong Lan Res. 5,000 75 Huai Na Ban	52	Tung Hong Res	3,000
55 Huai Khrai Res. 1,300 56 Huai Pong Weir 600 57 Ton Khuang Weir 1,000 58 Pa Hat Weir 500 59 Huai Chiang Khian Res. 3,200 60 Huai Cham Tong Res. 1,000 61 Huai Dee Mee Res. 1,500 62 Huai Yang Hom Res. 1,000 63 Huai Ta Res. 1,000 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Miang Chum Res. 500 67 Huai Wai Res. 3,600 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mae Tan Klang Weir 7,000 72 Mae Tan Klang Weir 7,000 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 79 Huai Fai Res.	53	Heai Bang Daeng Res	4,200
56 Huai Pong Weir 600 57 Ton Khuang Weir 1,060 58 Pa Hat Weir 500 59 Huai Chiang Khian Res. 3,200 60 Huai Chiang Khian Res. 1,000 61 Huai Doe Mee Res. 1,500 62 Huai Yang Hom Res. 1,700 63 Huai Ta Res. 1,000 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Waing Chum Res. 500 67 Huai Waing Chum Res. 800 68 Mae Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mae Tam Klang Weir 7,000 72 Mae Taw Klang Weir 7,000 73 Rong Auam Res. 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 79 Huai Fai Res. <td>54</td> <td>Rong Rew Res.</td> <td>800</td>	54	Rong Rew Res.	800
57 Ton Khuang Weir 1,000 58 Pa Hat Weir 500 59 Huai Chiang Khian Res. 3,200 60 Huai Cham Tong Res. 1,000 61 Huai Doe Mee Res. 1,700 62 Huai Yang Hom Res. 1,000 63 Huai Ta Res. 1,000 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Wang Chum Res. 500 67 Huai Yack Sai Res. 800 68 Mac Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mac Tak Weir 2,500 72 Mac Tak Weir 2,500 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pu Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Fai Res. 450 </td <td>55</td> <td>Huai Khrai Res.</td> <td>1,300</td>	55	Huai Khrai Res.	1,300
58 Pa Hat Weir 500 59 Huai Chiang Khian Res. 3,200 60 Huai Cham Tong Res. 1,000 61 Huai Dee Mee Res. 1,500 62 Huai Yang Hom Res. 1,000 63 Huai Ta Res. 1,000 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Muang Chum Res. 500 67 Huai Yaek Sai Res. 800 68 Mac Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mac Tan Klang Weir 7,000 72 Mac Tan Klang Weir 7,000 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 80 San Pu Loei Res. <td>56</td> <td>Huai Pong Weir</td> <td>600</td>	56	Huai Pong Weir	600
59 Huai Chiang Khian Res. 3,200 60 Huai Cham Tong Res. 1,000 61 Huai Doe Mee Res. 1,500 62 Huai Yang Hom Res. 1,700 63 Huai Ta Res. 1,000 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Muang Chum Res. 500 67 Huai Yaek Sai Res. 800 68 Mae Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mae Tam Ktang Weir 7,000 72 Mae Tam Ktang Weir 7,000 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 80 San Pu Loci Res. 450 81 Nam Sa	57	Ton Khuang Weir	1,000
60 Huai Cham Tong Res. 1,000 61 Huai Dee Mee Res. 1,500 62 Huai Yang Hom Res. 1,700 63 Huai Ta Res. 1,000 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Muang Chum Res. 500 67 Huai Yaek Sai Res. 800 68 Mae Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mse Tam Klang Weir 7,000 72 Mse Tam Klang Weir 7,000 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 80 San Pu Loci Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 <td>58</td> <td>Pa Hat Weir</td> <td>500</td>	58	Pa Hat Weir	500
61 Huai Dee Mee Res 1,500 62 Huai Yang Hom Res 1,700 63 Huai Ia Res 1,000 64 Ba Dan Weir 200 65 Huai Kiang Res 1,300 66 Huai Muang Chum Res 500 67 Huai Yack Sai Res 800 68 Mae Raw Res 1,200 69 Huai Wai Res 3,600 70 Huai Bong Res 1,700 71 Mae Tan Klang Weir 7,000 72 Mae Tak Weir 2,500 73 Rong Auam Res 3,000 74 Rong Lan Res 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 77 Huai Fai Res 3,000 78 Huai Cham Tong Res 100 79 Huai Pa Lat 600 80 San Pu Loei Res 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res	59	Huai Chiang Khian Res.	3,200
62 Huai Yang Hom Res. 1,700 63 Huai Ta Res. 1,000 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Waing Chum Res. 500 67 Huai Yaek Sai Res. 800 68 Mac Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mac Tam Ktang Weir 7,000 72 Mac Tak Weir 2,500 73 Rong Auam Res. 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 80 San Pu Loci Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale (King's) Pro	60	Huai Cham Tong Res.	1,000
63 Huai Ta Res. 1,000 64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Muang Chum Res. 500 67 Iluai Yack Sai Res. 800 68 Mac Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mac Tark Klang Weir 7,000 72 Mac Tak Weir 2,500 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 80 San Pu Loci Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale (King's) Project 1 1 Huai San To Res. </td <td>61</td> <td>Huai Dee Mee Res.</td> <td>1,500</td>	61	Huai Dee Mee Res.	1,500
64 Ba Dan Weir 200 65 Huai Kiang Res. 1,300 66 Huai Muang Chum Res. 500 67 Ituai Yack Sai Res. 800 68 Mac Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mse Tam Klang Weir 7,000 72 Mse Tak Weir 2,500 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 26 Pua Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 80 San Pu Loei Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale (King's) Project 1	62	Huai Yang Hom Res.	1,700
65 Huai Kiang Res. 1,300 66 Huai Muang Chum Res. 500 67 Huai Yaek Sai Res. 800 68 Mae Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mse Tam Klang Weir 7,000 72 Mse Tak Weir 2,500 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 80 San Pu Loei Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Ton Res. 1,500 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000	63	Huai Ta Res.	1,000
66 Huai Muang Chum Res. 500 67 Iluai Yack Sai Res. 800 68 Mac Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mac Tam Ktang Weir 7,000 72 Mac Tak Weir 2,500 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 80 San Pu Loci Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000	64	Ba Dan Weir	200
67 Huai Yaek Sai Res. 800 68 Mac Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mac Tam Ktang Weir 7,000 72 Mac Tak Weir 2,500 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 80 San Pu Loci Res. 450 80 San Pu Loci Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mac Kaew Weir 1,700 4 Huai Fan Yang Res.	65	Huai Kiang Res.	1,300
68 Mac Raw Res. 1,200 69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mac Tan Klang Weir 7,000 72 Mac Tak Weir 2,500 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 26 Pua Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 80 San Pu Loei Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mac Kaew Weir 1,700 4 Huai Ton Yang Res. 3,200	66	Huai Muang Chum Res.	500
69 Huai Wai Res. 3,600 70 Huai Bong Res. 1,700 71 Mae Tam Klang Weir 7,000 72 Mae Tak Weir 2,500 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 80 San Pu Loci Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Ton Res. 1,500 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mae Kaew Weir 1,700 4 Huai Ton Yang Res. 3,200 5 Huai Ban Res. 23,000	67	Huai Yaek Sai Res.	800
70 Huai Bong Res. 1,700 71 Mac Tam Klang Weir 7,000 72 Mac Tak Weir 2,500 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 80 San Pu Loci Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mac Kaew Weir 1,700 4 Huai Fan Yang Res. 3,200 5 Huai Ban Res. 23,000	68	Mae Raw Res.	1,200
71 Mae Tam Ktang Weir 7,000 72 Mae Tak Weir 2,500 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 26 Pua Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 79 Huai Pha Lat 600 80 San Pu Loei Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mae Kaew Weir 1,700 4 Huai Ban Res. 23,000	69	Huai Wai Res.	3,600
72 Moe Tak Weir 2,500 73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 17 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 80 San Pu Loei Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Ton Res. 1,500 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mae Kaew Weir 1,700 4 Huai Ban Res. 23,000	70	Huai Bong Res.	1,700
73 Rong Auam Res 3,000 74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 79 Huai Pha Lat 600 80 San Pu Loci Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mae Kaew Weir 1,700 4 Huai Fan Res. 3,200 5 Huai Ban Res. 23,000	71	Mae Tam Klang Weir	7,000
74 Rong Lan Res. 5,000 75 Huai Na Ban 200 76 Pua Weir 1,500 17 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 79 Huai Pha Lat 600 80 San Pu Loei Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Ton Res. 1,500 Small Scale Total 146,250 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mac Kaew Weir 1,700 4 Huai Ban Res. 23,000	72	Mac Tak Weir	2,500
75 Huai Na Ban 200 26 Pua Weir 1,500 17 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 79 Huai Pha Lat 600 80 San Pu Loei Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mae Kaew Weir 1,700 4 Huai Ton Yang Res. 3,200 5 Huai Ban Res. 23,000	73	Rong Auam Res	3,000
76 Pua Weir 1,500 17 Huai Fai Res 3,000 78 Huai Cham Tong Res 100 79 Huai Pha Lat 600 80 San Pu Loci Res 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res 2,000 85 Nam Ton Res 1,500 Small Scale (King's) Project 1 1 Huai Pa Sak Res 1,000 2 Huai San To Res 5,000 3 Mae Kaew Weir 1,700 4 Huai Ton Yang Res 3,200 5 Huai Ban Res 23,000	74	Rong Lan Res.	5,000
77 Huai Fai Res. 3,000 78 Huai Cham Tong Res. 100 79 Huai Pha Lat 600 80 San Pu Loei Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale Total 146,250 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mac Kaew Weir 1,700 4 Huai Fon Yang Res. 3,200 5 Huai Ban Res. 23,000	75	Huai Na Ban	200
78 Huai Cham Tong Res. 100 79 Huai Pha Lat 600 80 San Pu Loci Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mac Kaew Weir 1,700 4 Huai Ton Yang Res. 3,200 5 Huai Ban Res. 23,000	76	Pua Weir	1,500
79 Huai Pha Lat 600 80 San Pu Loei Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale Total 146,250 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mae Kaew Weir 1,700 4 Huai Ton Yang Res. 3,200 5 Huai Ban Res. 23,000	17	Huai Fai Res	3,000
80 San Pu Loei Res. 450 81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale Total 146,250 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mae Kaew Weir 1,700 4 Huai Fon Yang Res. 3,200 5 Huai Ban Res. 23,000	78	Huai Cham Tong Res.	100
81 Nam Sa 1,000 82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale Total 146,250 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mae Kaew Weir 1,700 4 Huai Ton Yang Res. 3,200 5 Huai Ban Res. 23,000	19	Huai Pha Lat	600
82 Kaew 3,000 83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale Total 146,250 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mae Kaew Weir 1,700 4 Huai Ton Yang Res. 3,200 5 Huai Ban Res. 23,000	80	San Pu Loei Res.	450
83 Wean Khong 1,000 84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale Total 146,250 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mae Kaew Weir 1,700 4 Huai Ton Yang Res. 3,200 5 Huai Ban Res. 23,000	81	Nam Sa	1,000
84 Huai Sa Res. 2,000 85 Nam Toa Res. 1,500 Small Scale Total 146,250 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mae Kaew Weir 1,700 4 Huai Ton Yang Res. 3,200 5 Huai Ban Res. 23,000	82	Kaew	3,000
85 Nam Ton Res. 1,500 Small Scale Total 146,250 Small Scale (King's) Project 1 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mae Kaew Weir 1,700 4 Huai Ton Yang Res. 3,200 5 Huai Ban Res. 23,000	83	Wean Khong	1,000
Small Scale Total 146,250	84	Huai Sa Res.	2,000
Small Scale (King's) Project 1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mae Kaew Weir 1,700 4 Huai Ton Yang Res. 3,200 5 Huai Ban Res. 23,000	85	Nam Toa Res.	1,500
1 Huai Pa Sak Res. 1,000 2 Huai San To Res. 5,000 3 Mae Kaew Weir 1,700 4 Huai Ton Yang Res. 3,200 5 Huai Ban Res. 23,000	·	Small Scale Total	146,250
2 Huai San To Res. 5,000 3 Mac Kaew Weir 1,700 4 Huai Ton Yang Res. 3,200 5 Huai Ban Res. 23,000	Small	Scale (King's) Project	
3 Mae Kaew Weir 1,700 4 Huai Ton Yang Res. 3,200 5 Huai Ban Res. 23,000	l l	Huai Pa Sak Res.	1,000
4 Huai Ton Yang Res. 3,200 5 Huai Ban Res. 23,000	2	Huai San To Res.	5,000
5 Huai Ban Res. 23,000	3	Mae Kaew Weir	1,700
l	4	Huai Ton Yang Res.	3,200
6 Doi Ngew Res 2,000	5	Huai Ban Res.	23,000
	6	Doi Ngew Res.	2,600

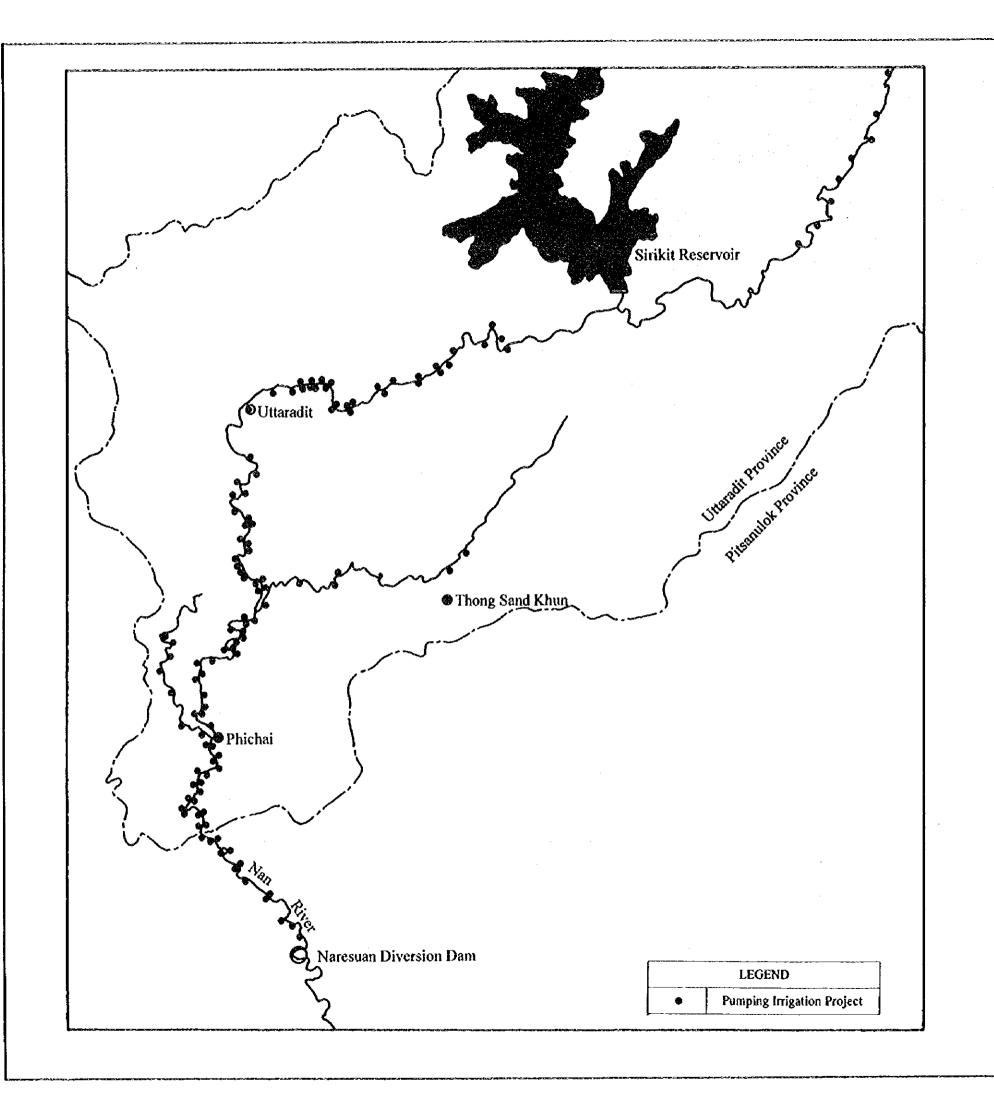
	<u> </u>	
No	Project	Area (rai)
7	Huai Phan Res.	5,000
8	Huai Khrang Weir	500
9	Huai Khok Weir	2,500
10	Huai Pr Tan Res.	2,100
11	Huai Dua Weir	500
12	Huai Mæ Chedi Weir	1,000
13	Huai Mae Chedi Weir	1,000
14	Huai Laeng Weir	100
15	Huai Tong Res	1,300
16	Huai Tong Weir	1,500
17	Huai Kho Res.	8,000
18	Huai Ta Khuan Res.	12,000
	Small Scale (King) Total	71,400
Pum	ping Irrigation Project	-l
ı	Wiang Wai	2,370
2	Rong Rew	1,990
3	Luang	1,670
4	Sri Don Chai	3,690
5	Nam Phrae	1,030
6	San Tab Tong	2,540
	Boon Ruang	1,080
8	Khrubg Tai	1,500
	Boon Ruang (2)	1,500
10	Rong Mack	1,830
11	Phuang Phayom	1,530
12	Mae Sai Lao	1,250
13	Sri Miang Chum	1,300
14	Huai Dok Khem	1,500
15_	Lo	1,200
16	Wang Khon Daeng	1,500
17	Dan Bon	1,800
	Pumping Project Total	29,280
Natio	enal Security Project	-1
!	Huai Ban Res.	1,000
2	Tab Tao Res	800
3	Ban Lao Weir	2,500
4	Huai Pong Weir	600
5	Huai Sai Kat Weir	500
6	Nam Ngaw Weir	1,000
7	Nam Ngaw Res.	500
8	Rm Pho Thai Weir	Domes
9	Ban Khun Huai Khek	Domes
10	Ban Huai Hia	Domes
11	Ban Kew	Domes.
	Ban Rat Phak Dee	300
12		
12	National Security Total	7,200

THE STUDY ON THE KOK-ING-NAN WATER DIVERSION I	PROJECT
EXISTING SMALL SCALE IRRIGATION PROJECTS IN ING RIVER BASIN	Map & Drawing No.
JAPAN INTERNATIONAL COOPERATION AGENCY(JICA)	Figure W-18
SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.	TIRELE MAID



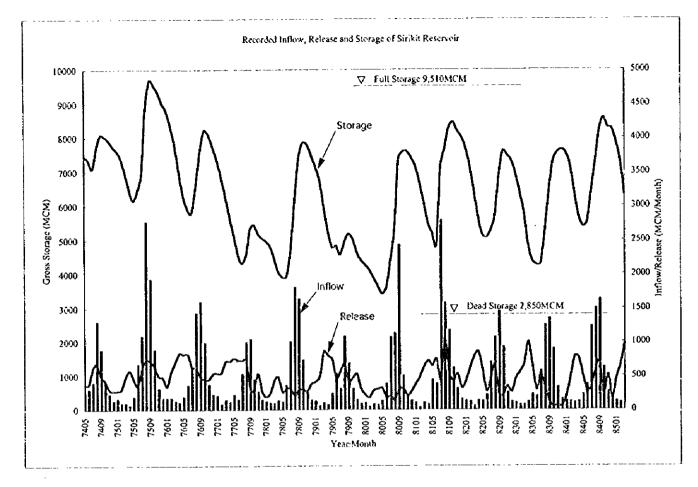
Small Scale Irrigation	n Proje	31
Changwat/Amphoe	Nos	Area (rai)
Changwat Nan		
A Muang	14	13,850
A. Wiang Sa	12	10,050
A. Na Noi	5	6,000
A. Pua	12	7,520
A. Chiang Klang	15	15,020
A Tha Wang Pha	8	1,850
A Thung Chang	9	6,500
A Mae Charim	30	9,100
KA Na Mun	l 1	100
KA. Santisuk	,	8,800
KA Bo Klua	10	1,630
Sub-Total	123	81,020
Changwat Uttaradit	١.	
KA. Thong San Khan	?	2,000
A Tron	!	1,000
A Tha Pla	4	1,660
A. Nam Pat]]	6,800
A Ban Khok	7	3,600
A. Phi Chai	2	9,500
A. Fak Tha	5	3,800
A. Meang	4	3,300
A. Lablac	2	800
Sub-Total	34	32,460
Changwat Pitsanulok	-	
A. Muang	3	4,800
A. Wang Thong	12	17,727
A. Phrom Phiram	2	5,700
A. Ban Kra Thum	4	21,000
A. Wat Bot	4	3,150
A. Nakhon Thai	13	21,450
A. Chat Trakan	10	8,900
A. Noen Maprang	5	6,500
Sub-Total	53	89,227
Changwat Phichit		
A. Muang	2	8,000
A. Wang Sai Phun	5	23,000
	Ś	20,000
A. Taphan Hin A. Tap Khio	10	48,500
A. Bang Mun Nak	6	24,200
Sub-Total	28	123,700
Changwat Nakhon Sawan	,	8,000
A. Nong Bua	1	
A. Banphot Phisai	3	14,000 8,000
A. Chum Sang	2	_
A. Kao Lico	2	10,500
Sub-Total	8	40,500
Sqv-10tai		
Changwat Phetchabun	!	
	4	17,700
Changwat Phetchabun A Chon Daen KA Wang Pong	4	9,000
Changwat Fhetchabun A Chon Daen	1	
Changwat Phetchabun A Chon Daen KA Wang Pong	3	9,600

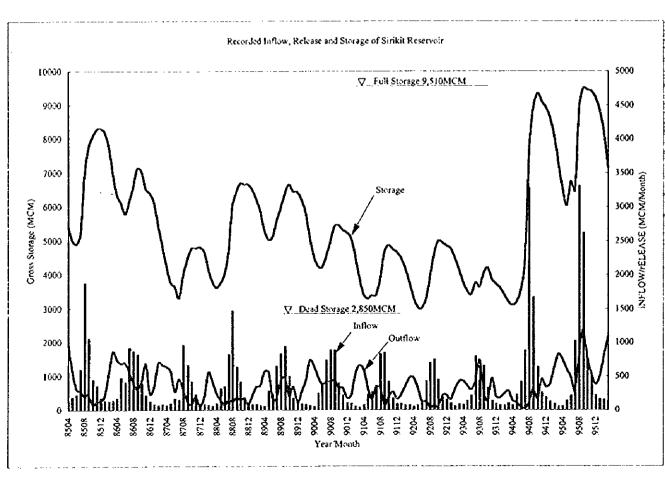
THE STUDY ON THE KOK-ING-NAN WATER DIVERSION I	PROJECT
EXISTING SMALL SCALE IRRIGATION PROJECTS IN UPPER NAN RIVER BASIN	Map & Drawing No.
JAPAN INTERNATIONAL COOPERATION AGENCY(JICA)	Figure W-19
SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.	Ligue M

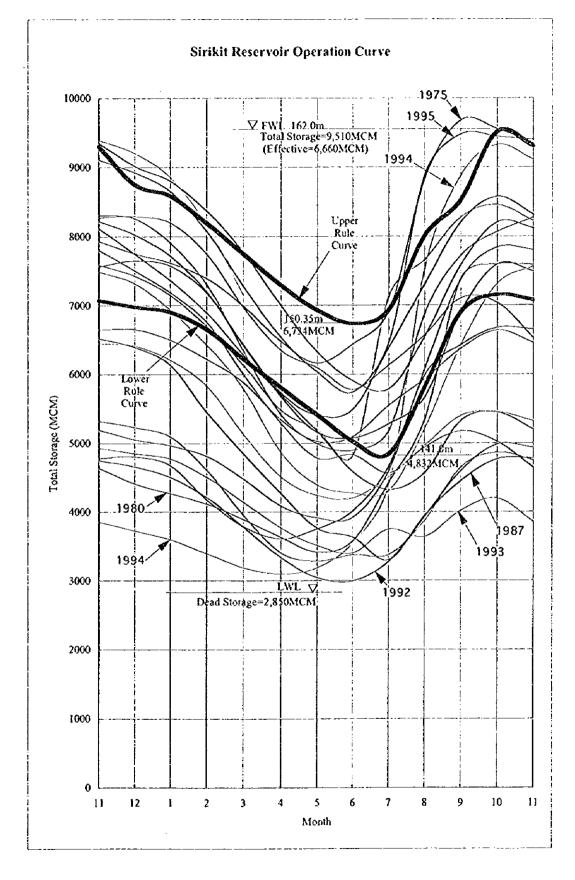


Pumping Irrigation	в Ртојес	t
Changwat/Amphoe	Nos	Area (rai)
Changwat Nan		
A. Muang	12	15,910
A Wiang Sa	16	22,110
A. Na Noi	;	3.384
A. Pua A. Chiang Klang	3	2,780 3,400
A. Tha Wang Pha	6	7,955
A. Thung Chang	-	
A. Mae Charim	i -	-
KA, Na Mun	٠ ا	-
KA. Santisuk	-	-
KA. Bo Klua	:	
Sub-Total	39	52,215
Changwat Uttaradit		
KA. Thong San Khan		-
A Trea	17	42,305
A. Tha Pla	2	1,800
A Nam Pat	2	1,900
A. Ban Khok	,,	75,325
A. Phi Chai A. Fak Tha	37 3	4,330
A. Muang	26	43,715
A. Lablae	.	
Sub-Total	87	169,875
Changwat Pitsanulok		
A. Muang	7	12,640
A. Wang Thong	8	14,930
A. Phrom Phiram	20	38,515
A. Ban Kra Thum	6	12,125
A. Wat Bot	7	12,810
A. Nakhon Thai A. Chat Trakan	2	1,925
A. Noen Maprang	;	1,500
Sub-Total	52	96,375
	<u> </u>	
Changwat Phichit	,	^ ***
A. Muang	5	9,355
A. Wang Sai Phun A. Taphan Hin	2	2,400
A. Tap Khlo	<u> </u>	
A. Bang Mun Nak	2	3,760
Sub-Total	9	15,515
Changwat Nakhon Sawan	ĺ	
A. Nong Bua	-	
A. Banphot Phisai	•	
A. Chum Sang	8	13,245
A. Kao Lieo		-
Sub-Total	8	13,245
Changwat Phetchaban		
A. Chon Daen	-	-
KA. Wang Pong KA Khao Kho		
Sub-Total	•	
Total	105	147 225
Tetal	195	347,225

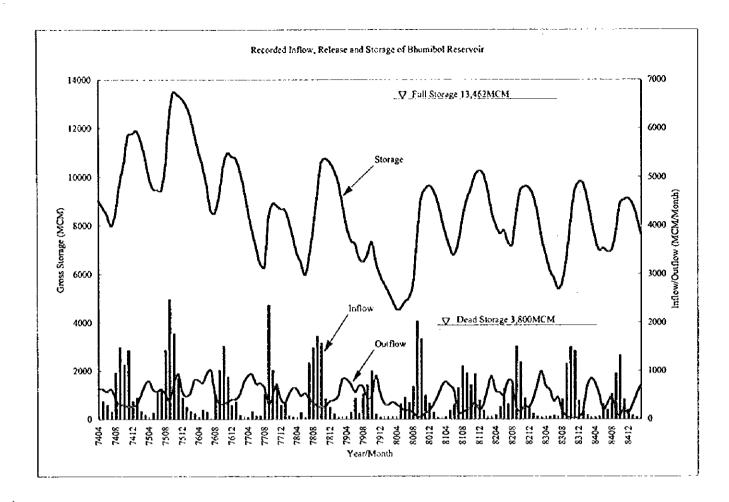
THE STUDY ON THE KOK-ING-NAN WATER DIVERSION	PROJECT
EXISTING PUMPING IRRIGATION PROJECTS IN LOWER NAN RIVER BASIN	Map & Drawing No.
JAPAN INTERNATIONAL COOPERATION AGENCY(JICA)	Figure W-20
SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.]

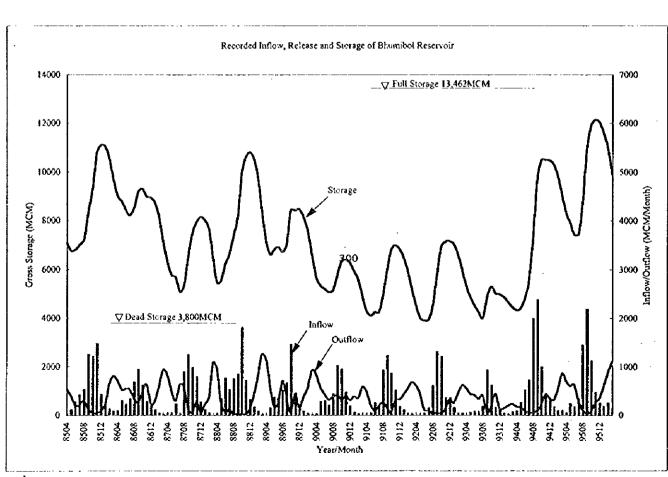


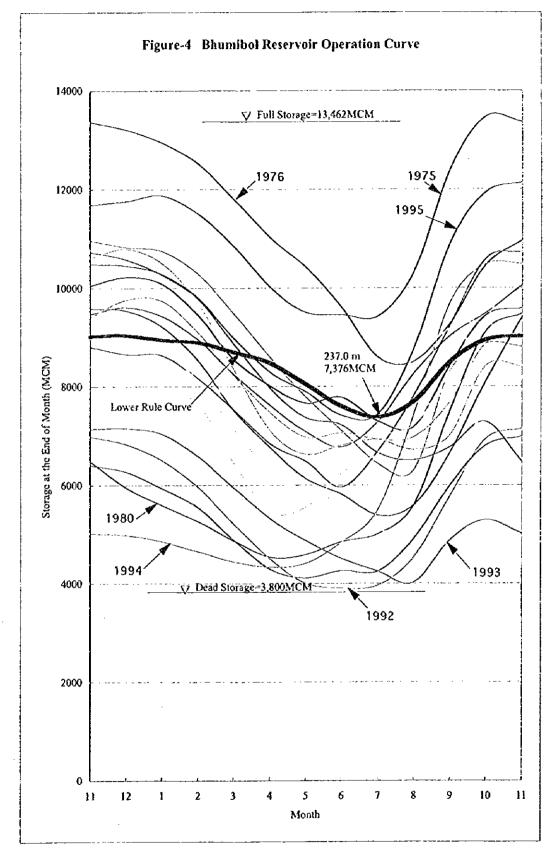


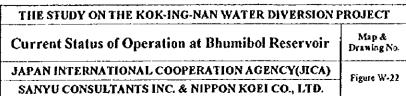


THE STUDY ON THE KOK-ING-NAN WATER DIVERSION	PROJECT
Current Status of Operation at Sirikit Reservoir	Map & Drawing No.
JAPAN INTERNATIONAL COOPERATION AGENCY(JICA)	Figure W-21
SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.	Lignie M.71



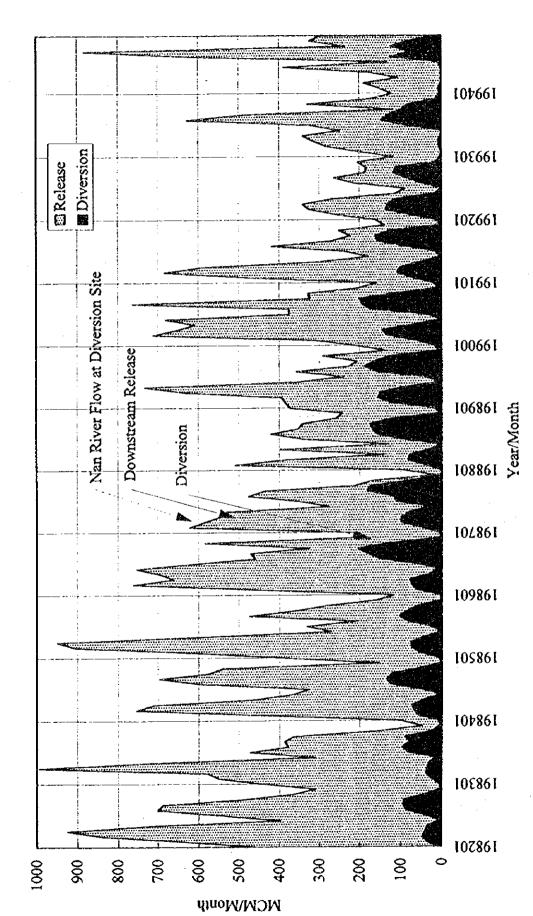






Sirikit Effective Storage at November End (MCM) 7000 0 \$661 **#661** 1663 7661 Cropping Area of Pitsanulok Project vs Naresuan Diversion/Sirikit Storage 1661 1660 6861 8861 **1861** 9861 D 5861 1881 Naresuan Dry Season Diversion £861 Dry Season Cropping Area 1885 Sirikit Effective Storage at November End 1861 1980 6461 8791 *LL*61 9/61 Dry Season Diversion (MCM) Naresuan Dam SL61 \$16I 20000 120000 100000 Cropping Area of Pitsanulok Project (ha)





1	THE STUDY ON THE KOK-ING-NAN WATER DIVERSION PROJECT	ROJECT	~
	Current Status of Operation at Naresuan Barrage	Map & Drawing No.	
I	JAPAN INTERNATIONAL COOPERATION AGENCY(JICA)	Times W.31	
١	SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.	right mark	
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