

elevation and the structure is provided with manually operated slide gate.

- Siphons are provided at places where canals cross the existing streams to release the flood from streams into the river. Precast concrete pipe is used for siphons with a discharge of less than 3.0 cu.m/sec. The flow in the siphon is designed at high velocity in order to avoid clogging of siltation in the pipe.
- Crossing structure are provided to deliver the canal water under free flow conditions at the crossing points of canal and road. The crossing structure is designed with the precast concrete pipe for discharge of less than 2.0 cu.m/sec.
- Cross drain structures are provided to release the side-slopw flow. Precast concrete pips of 1.0 m diameter with double barrels are adopted.

F-2-2 Road

Standard roads, service roads and bridges are planned as applying ARD standard. For crossing structure to release the side-slope flow, precast concrete pipes of 1.0 m diameter with double barrels are adopted.

In 5 year plan. A bridge length is estimated 20 m long and crossing structures area planned a place in every 5 km based on the result of filed survey in the model project areas.

F-2-3 Water Supply

The foal to domestic water supply is to upgrade service levels to the level 3 as specified by NESDB that 70 percent of households in a village enjoy fresh drinking water throughout the year in terms of quantity (2ℓ/person/day) and quality. The project proposes to provide deep wells in the backward villages where groundwater is available (more than 20 gpm). The water requirement is 60 l/person/day including drinking and domestic water.

One deep well may yields more than 20 gpm, which can meet the requirement of 1,200 peoples when pumps are operated for 16 hours a day. As average population is about 500 per one villages, one deep well can covers one village.

Deep wells are designed as diameter of 4 inches and average depth of 50 m. The deep well with 4 inches diameter can yields 6,000 ℓ/hr with pumps and 300 ℓ/hr with hand pumps.

F-3 Proposed Facilities in Model Project

1. Huai Sam Ru (PSU)

(1) Irrigation

Pipeline is planned from the in-take facilities to the point of 3,550m and the point of 9,500 m to 12,230 m, because of topographical conditions. There is deep valleys and hills so that open canal system can't convey water to the beneficial fields located on the hill. Therefore, pipeline system shall be adopted. Irrigation system is shown as Figure F-1.

- (a) Main Canal 13,500 m
- Pipeline 6,280 m
- Trapezoid Canal 7,220 m
- Turnout 17 places
- Air valve 10 pieces
- Control Valve 2 pieces
- Blow off 4 places

- (b) Lateral Canal 23,400 m
- Turnout 72 places
- Checkgate 15 places

(2) Road

The existing road between Route 2013 and Ban Kaeng Hai by way of ban Kaeng Wa shall be improved and expanded into the north of Ban Kaeng Hai to connect with route 2013 as ARD Standard Road.

- (a) Standard Road (PJ 11504)
- Laterite Pavement 12.5 km
 - "I" Block Pavement 1.0 km
 - Bridge 50 m (3 places)
 - Crossing 2 places

- (b) Service Road
- Type I 1.5 km
 - Type II 0.5 km

(c) Water Supply

Name of Villages	Number of Well
Ban Kaeng Wa	1
Ban Kaeng Hai	1
Ban Sam Ru	<u>1</u>
	3

2. Huai Nong Kho (SUK)

(1) Irrigation

The proposed irrigation system has the storage dam and the diver weir because of the beneficial area divided into 2 areas. The proposed dam wite is located on 2.4 km the northwest of Ban Huai Khrai(1) in the upstream of the dam site can be irrigated by distribution canals with concrete lining from the storage.

At the west end of Ban Huai Khrai(2), there is an existing reservoir in Huai Non Kho. The outlet works are planned for releasing water from the reservoir stabilized throughout the year.

The proposed diversion weir in the down stream area for intake of released water from the storage, is located on 4.0 km the northwest of Ban Wang Phong, for reasons of the intake water level and the flow regime of Huai Khrai. The cultivated lands of 320 ha (net value), mostly paddy filed, can be irrigated by distribution canals from the diversion weir.

Irrigation system is shown as Figure F-1.

- (a) Main Canal 7,200 m
 - Weir 1 unit (W = 20m)
 - Turnout 19 places
 - Crossing 80 m
- (b) Lateral Canal 1,800 m
 - Turnout 20 places
 - Checkgate 8 places

(2) Road

The proposed road development in model project area is the improvement in the remaining section of ST11012 as far as Ban Huai Khrai(2) with length of 22 km as ARD Standard Road including 3 km of "T" blocks Pavement.

Service Road type I is planned for connecting with ST11012 in Ban Huai Khrai(2) and Ban Wang Phong by way of Ban Khao Khwang, Ban Nong Krathum and Ban Khok Kwai Yai Long with the distance of 10 km including 2 in of "T" blocks pavement.

Between ARD Standard Road ST11012 and Ban Huai Khrai (1), it's planned to improve on the existing road as Service Road type II with the distance of 3 km.

- (a) Standard Road (ST11012)
 - Laterite Pavement 19.0 km
 - "T" Block Pavement 3.0 km
 - Bridge 15 m
 - Crossing 1 place
- (b) Service Road
 - Type I 8.0 km
 - "T" Block pavement 2.0 km
 - Type II 3.0 km
 - Bridge 80 m (3 places)
 - Crossing 1 place

(3) Water Supply

Name of Villages	Number of Wells
Ban Huai Khrai (1)	1
Ban Huai Khrai (2)	1
Ban Lan Thong	2
Ban Nong Krathim	1
Ban Wang Phong	1
Ban Khok Kwai Yai Long	<u>1</u>
	7

3. Khlong Samo Khon (KPP)

(1) Irrigation

The proposed dam site is located on 3 km the northeast of Ban Nam Dab Ma Phroam. It can be irrigated 37 ha (net value) on the right bank of Khlong samo Khon and 142 ha on the left bank by distribution canals.

Irrigation system is shown as Figure F-1.

- (a) Main Canal 8,950 m
Turnout 12 places
Crossing 50 m
- (b) Lateral Canal 3,100 m
Turnout 6 places
Checkgate 2 places

(2) Road

ARD Standard Road KP11002 was completed 1990 and the villages in model project area are along the road. Therefore, only Service Road type II was planned for the bunch of households at the right bank of Khlong Samo Khon in Ban Nam Deb Ma Phraoam to connect with KP11002 with the length of 1 km.

- (a) Standard Road (PJ 11504)
"I" Block Pavement 1.0 km

(b)	Service Road	
	Type II	1.0 km
	Bridge	10 m
(b)	Water Supply	
	Name of Villages	Number of Well
	Ban Nam Dip Ma Phraw	2
	Ban Samo Khon	2
		<hr/> 4

4. Khlong Sai (TAK)

(1) Irrigation

The proposed dam site is located on 1.5 km the west of Ban Na Bat. It can be irrigated 62 ha (net value) on the left bank of Khlong Sai and 328 ha on the right bank of Klong Pra Dang (Downstream of Klong Sai) by distribution canals.

(a)	Main Canal	9,900 m
	Turnout	18 places
	Crossing	400 m
(b)	Lateral Canal	9,630 m
	Turnout	20 places
	Checkgate	3 places

(2) Road

4 concerning villages in model project area area along Provincial highway Route 1110. Therefore, only Service Road type II was planned for the bunch of households near by ban Lat Yao to connect with Route 1110 with the distance of 0.9 km.

(a)	Service Road	
	Type II	0.9 km

F-4 Year Plan

Overall plan was shown as table G-3 for irrigation plan, F-5 for road plan and F-7 for each village.

5 year plan also was shown as Table F-2 for irrigation plan, F-4 road plan and F-6 for water supply plan. Those projects area selected by priority points calculated area selected by priority point calculated as the following equation.

$$\text{Priority Point} = \frac{\text{Accumulation of priority point of beneficial back ward villages}}{\text{Cost of construction}}$$

PROJECT POINT OF BANK WARD VILLAGES

<u>Priority Point</u>	<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>
Phitsanulock	1~50	51~100	101~150	151~200	201~253
Sukhothai	1~38	39~ 76	77~114	155~152	153~191
Kamphaeng Phet	1~51	52~102	103~154	155~206	207~258
Tak	1~41	42~ 82	83~123	124~164	165~207

TABLE F-1 DAM AND RESERVOIR DIMENSIONS

	Huai Sam Ru (PSU)	Huai Nong Kho (SUK)	Khlong Samo Khon (KPP)	Khlong Sai (TAK)
Catchment Area	28	34	13	47
Full Retention Capacity	4.30	7.30	2.60	2.85
Effective Capacity	3.98	6.79	2.40	2.14
Dead Capacity	0.42	0.51	0.20	0.71
Surcharge Water Level	310.40	139.50	141.00	171.10
Full Retention Level	308.80	138.30	140.20	169.80
Dead Water Level	298.20	130.60	136.10	166.90
Dam Type	Earth - fill	Earth - fill	Earth - fill	Earth - fill
Dam Crest Elevation	311.90	141.00	142.50	172.60
Dam height	23.90	19.40	11.0	12.40
Dam Length	260	935	1,380	1,345
Embankment Volume	121,610	398,392	137,750	181,225
Design Flood Discharge	178	127	135	222
Spillway Type	170	55	45	187
Overflow Depth	Non-gated Overflow	Non-gated Overflow	Non-gated Overflow	Non-fated Overflow
Spillway Crest Length	1.60	1.20	0.80	1.30
Spillway Capacity	40	20	30	60
Intake Capacity	0.930	1,108	0.387	0.464
Irrigable Area	1,022	574	179	390
- do -	6,388	3,588	1,119	2,438

TABLE F-2 IRRIGATION FACILITIES IN 5-YEAR PROJECT (1/2)

Weir Number	Project Cost (1,000 Baht)	Description		Remarks
		Irri. Area (ha)	Ca. Area (sq. km)	
	Phitsanulok			
DP - 1	86,336	1,022	28	
WP - 1	9,229	240	21	
WP - 2	12,164	290	25	
WP - 3	14,016	320	28	
WP - 5	4,014	100	9	
WP - 9	6,241	130	12	
Sub-Total	45,664	1,080	95	
PSU-Total	132,000	2,102	123	
	Sukhothai			
DS - 1	82,523	574	34	
WS - 1	11,390	400	34	
WS - 2	10,233	270	24	
WS - 3	7,538	220	19	
WS - 4	13,617	320	27	
Sub-Total	42,778	1,210	104	
SUK-Total	125,301	1,784	138	
	Kamphaeng Phet			
DK - 1	43,745	179	13	
WK - 1	12,441	240	21	
WK - 2	4,852	80	7	
WK - 3	6,047	140	13	
WK - 5	13,682	380	33	
WK - 6	3,780	80	7	
WK - 7	18,545	480	52	
WK -11	8,434	220	19	
WK -13	16,419	480	62	
WK -19	17,893	480	76	
Sub-Total	102,093	2,580	290	
KPP-Total	145,838	2,759	303	

TABLE F-2 IRRIGATION FACILITIES IN 5-YEAR PROJECT (2/2)

Weir Number	Project Cost (1,000 Baht)	Description		Remarks
		Irrig. Area (ha)	Ca. Area (sq. km)	
	Tak			
DT - 1	67,599	390	47	
WT - 2	5,369	160	14	
WT - 5	10,445	370	31	
WT - 11	13,756	460	40	
WT - 12	11,425	270	24	
WT - 13	4,282	100	8	
WT - 15	14,047	480	51	
WT - 16	9,922	320	27	
WT - 17	3,873	110	9	
Sub-Total	73,119	2,270	204	
TAK-Total	140,718	2,660	251	
Total	543,857	9,305	815	

TABLE F-3 INVENTORY OF WEIR CONSTRUCTION (1/2)

Weir Number	Priority Point	Road Access	Rank	Project Cost (1,000 Baht)	Canal Length (Km)	Cost for Weir	River Gradient	Description (Sq-Km)		Beneficial Villages
								Irrig. Area	Ca. Area	
WP-1	0.130	PJ 11003	1	9,229	6.1	2,084	1/80	2.4	21	090202
WP-2	0.095	R 111	2	12,164	6.8	3,900	1/1000	2.9	25	090605, 090604
WP-3	0.074	R 111	3	14,016	4.7	6,324	1/1500	3.2	28	090606, 090507, 090508, 090509
WP-4	0.125	(PJ 11006)	-	6,132	3.5	1,368	1/400	1.9	17	020111
WP-5	0.072	Others	4	4,014	3.5	734	1/120	1.0	9	020109
WP-6	0.100	(PJ 11015)	-	4,462	3.9	734	1/280	1.1	10	080609
WP-7	0.189	(PJ 11020)	-	6,778	1.7	2,084	1/250	2.6	23	080509
WP-8	0.080	(PJ 11020)	-	10,254	7.5	2,084	1/220	2.7	24	080502
WP-9	0.055	PJ 11021	5	6,241	5.6	1,368	1/150	1.3	12	090705, 090702, 090704
WP-10	0.051	PJ 11021	6	3,746	3.0	734	1/300	1.0	8	090106
Sub-Total				77,036	46.3	21,414		20.0		
WK-1	0.077	R 1	9	12,441	9.0	3,900	1/700	2.4	21	011401
WK-2	0.082	KP 11032	8	4,852	5.5	734	1/380	0.8	7	040915
WK-3	0.119	R 101	3	6,047	4.8	1,368	1/240	1.4	13	040112
WK-4	0.023	(KP 11502)	-	15,718	5.7	6,324	1/2000	3.7	32	040315
WK-5	0.084	Others	7	13,682	6.5	3,900	1/700	3.8	33	010607
WK-6	0.085	Others	6	3,780	3.5	734	1/70	0.8	7	060209
WK-7	0.116	KP 11037	4	18,545	8.0	5,894	1/550	4.8	52	011517, 011504
WK-8	0.055	KP 11011	13	17,607	9.5	3,900	1/900	4.8	42	050703, 050705
WK-9	0.117	(KP 11507)	-	4,921	2.7	1,368	1/330	1.4	13	031404
WK-10	0.138	(KP 11507)	-	3,478	2.5	734	1/330	1.0	8	031405
WK-11	0.106	R 1084	5	8,434	4.6	2,587	1/940	2.2	19	030303
WK-12	0.030	KP 11037	15	8,913	7.0	2,587	1/750	1.8	15	060105, 060112
WK-13	0.132	R 1072	2	16,419	9.7	3,182	1/150	4.8	62	031102, 031101
WK-14	0.072	R 1117	10	26,711	19.6	5,894	1/550	4.8	56	060110, 060309
WK-15	0.068	(KP 11509)	-	10,020	7.5	2,084	1/250	2.6	22	020212, 020209, 021206
WK-16	0.068	R 1242	11	11,779	6.0	2,084	1/250	4.0	34	020212, 020209, 021206, 021206, 021206, 021206
WK-17	0.042	R 1112	14	4,603	4.6	734	1/350	1.0	8	021114, 021109
WK-18	0.060	R 1112	12	13,387	8.6	3,900	1/800	3.2	27	020405, 020404
WK-19	0.134	KP 11022	1	17,893	12.0	3,182	1/330	4.8	76	060301
Sub-Total				219,228	137.3	55,090		54.1		

TABLE F-3 INVENTORY OF WEIR CONSTRUCTION (2/2)

Weir Number	Priority Number	Road Access	Rank	Project Cost (1,000 Baht)	Canal Length (Km)	Cost for Weir	River Gradient	Description (Sq-Km)		Beneficial Villages
								Irrig. Area	Ca. Area	
WS-1	0.140	Others	1	11,390	5.8	2,084	1/100	4.0	34	060306
WS-2	0.133	Others	2	10,233	7.0	2,084	1/150	2.7	24	060606
WS-3	0.089	Others	3	7,538	5.4	1,368	1/100	2.2	19	060305
WS-4	0.070	ST 11002	4	13,617	11.5	2,084	1/250	3.2	27	060405,060408
WS-5	0.026	R 101	8	4,955	3.2	1,368	1/380	1.3	11	061104,061105
WS-6	0.053	ST 11012	5	4,248	3.5	734	1/280	1.1	10	070407
WS-7	0.030	ST 11027	7	7,898	4.3	2,084	1/200	2.4	21	030905,030906
WS-8	0.047	ST 11027	6	2,742	2.0	734	1/300	0.6	6	030404
WS-9	0.089	(ST 11016)	-	18,919	13.6	3,182	1/350	4.8	52	050210,050503
Sub-Total				81,540	56.3	15,722		22.4		
WT-1	0.058	(TK 11509)	-	9,399	5.6	2,084	1/100	2.7	23	060204
WT-2	0.104	R 1085	4	5,369	3.1	1,368	1/70	1.6	14	040206,040503
WT-3	0.083	R 1175	10	12,990	7.7	2,084	1/100	4.3	37	030508,030406
WT-4	0.086	R 1	9	6,695	4.7	1,368	1/200	1.9	17	060606,060605
WT-5	0.088	TK 11013	7	10,445	5.0	2,084	1/190	3.7	31	030707,030708
WT-6	0.056	TK 11005	12	3,980	3.0	734	1/90	1.1	10	051202
WT-7	0.034	TK 11014	14	8,571	8.2	1,368	1/290	1.9	16	011503,011502
WT-8	0.029	R 1132	16	13,095	5.6	3,890	1/550	3.8	33	011410
WT-9	0.046	R 1090	13	3,512	3.0	734	1/50	0.8	7	051110
WT-10	0.033	TK 11002	15	14,688	7.0	3,182	1/130	4.8	53	080302
WT-11	0.118	R 1090	3	13,756	8.2	2,084	1/100	4.6	40	070307,070302,070308
WT-12	0.119	R 1090	2	11,425	9.0	2,084	1/40	2.7	24	070306
WT-13	0.101	R 1167	6	4,262	4.0	734	1/80	1.0	8	070207
WT-14	0.074	R 1090	11	4,516	4.0	734	1/100	1.1	10	070404
WT-15	0.103	R 1085	5	14,047	6.0	3,182	1/230	4.8	51	020104,020103,020108,020105
WT-16	0.161	R 1085	1	9,922	5.3	2,084	1/50	3.2	27	020216,020207
WT-17	0.067	R 1167	8	3,873	2.8	734	1/100	1.1	9	070201,070202
Sub-Total				150,565	92.2	30,532		45.3		
Total				528,370	332.1	122,756		141.8		

**TABLE F-4 ROAD CONSTRUCTION IN 5-YEAR PROJECT
AT PHITSANULOK PROVINCE**

Road Number	Project Cost (1,000 Baht)	Standard Road (Km)		Service Road (Km)	
		Laterite	Block	Type I	Type II
PJ 11001	35,320	39.8	2.5		4.0
PJ 11005	53,330	33.5	6.5		2.0
PJ 11028	11,595	21.4		4.0	1.0
PJ 11033	23,864	13.2	5.5		0.5
PJ 11041	17,143	17.0	1.0	2.0	1.5
PJ 11043	14,662	14.0		4.2	3.5
PJ 11048	19,653	26.0	0.5	8.0	
PJ 11050	19,023	10.0			
PJ 11051	4,635	9.0			2.0
PJ 11054	35,492	21.0	9.0		
PJ 11058	5,168	5.5	0.5		
Total A	239,885	210.4	25.5	18.2	14.5
PJ 11002	13,162	5.0	1.0	9.0	3.0
PJ 11003	9,056		5.5		2.5
PJ 11004	1,476		0.5		2.5
PJ 11007	13,186		7.0	2.0	3.0
PJ 11013	3,107		0.5	5.0	2.0
PJ 11014	3,391	0.3	1.0		2.5
PJ 11016	4,835		3.0		1.0
PJ 11019	1,332		0.5		2.0
PJ 11021	13,317			4.0	10.0
PJ 11044	4,548		3.0		
R 2013	1,579				5.5
R 1065	1,579				5.5
R 12	6,158			12.5	2.5
R 112	2,008				3.5
R 111	4,512			1.0	4.0
Others	9,625		0.5	6.0	6.0
Total B	92,871	5.3	22.5	39.5	55.5
PJ 11504	11,104	12.5	1.0	1.5	0.5
Total	343,860	228.2	49.0	59.2	70.5

**TABLE F-4 ROAD CONSTRUCTION IN 5-YEAR PROJECT
AT SUKHOTAI PROVINCE**

Road Number	Project Cost (1,000 Baht)	Standard Road (Km)		Service Road (Km)	
		Laterite	Block	Type I	Type II
ST 11001	41,454	21.5	3.5		
ST 11008	13,139	14.5	1.0		0.5
ST 11010	15,284	13.1	1.0		
ST 11012	25,840	19.0	5.0	10.0	3.0
ST 11019	16,912	26.0	1.0		
Total A	112,629	94.1	11.5	10.0	3.5
ST 11002	13,275		8.0		0.5
ST 11005	3,093		1.0		2.0
ST 11027	10,541		1.0	3.5	7.0
R 12	12,468			12.5	14.0
R 101	11,765			8.5	16.5
R 102	4,102		0.5	5.5	0.5
R 143	6,997			8.0	4.0
R 1048	5,749			6.5	5.0
R 1053	3,441				5.0
Others	11,718				21.5
Total B	83,149	0.0	10.5	44.5	76.0
Total	195,778	94.1	22.0	54.5	79.5

**TABLE F-4 ROAD CONSTRUCTION IN 5-YEAR PROJECT
AT KAMPHAENG PHET PROVINCE**

Road Number	Project Cost (1,000 Baht)	Standard Road (Km)		Service Road (Km)	
		Laterite	I* Block	Type I	Type II
KP 11009	18,922	16.5	3.0	5.0	3.0
KP 11011	10,045	5.8	1.5		
KP 11022	12,365	12.0	2.0		0.5
KP 11026	9,798	3.4	2.0		
KP 11027	11,494	8.8	1.0		1.5
KP 11034	2,575	5.0		6.5	4.5
KP 11037	24,538	27.5	0.5		
Total A	89,737	79.0	10.0	11.5	9.5
KP 11002	1,879		1.0		1.0
KP 11003	3,709		1.5		5.0
KP 11012	4,028		0.5	8.0	1.5
KP 11013	12,297		3.5	10.0	5.0
KP 11018	3,032		2.0		
KP 11020	4,466		2.0		1.5
KP 11030	2,357			3.0	4.5
KP 11032	12,353		5.5		7.0
R 1	28,932			29.0	23.0
R 101	4,736				16.5
R 115	1,722				6.0
R 1109	1,721				2.5
R 1117	3,647			3.0	5.5
R 1065	1,783			3.0	2.5
R 1072	718				2.5
R 1074	2,417			6.0	1.0
R 1084	4,734				13.0
R 1112	6,636			9.0	5.0
R 1242	8,983			3.5	6.0
R 1278	3,647			3.0	5.5
R 1280	1,721				2.5
Others	15,352				46.5
Total B	130,871	0.0	16.0	77.5	163.5
Total	220,608	79.0	26.0	89.0	173.0

**TABLE F-4 ROAD CONSTRUCTION IN 5-YEAR PROJECT
AT TAK PROVINCE**

Road Number	Project Cost (1,000 Baht)	Standard Road (Km)		Service Road (Km)	
		Laterite	I* Block	Type I	Type II
TK 11014	2,575	5.0			
TK 11037	2,575	5.0			
TK 11039	6,695	13.0			
Total A	11,845	23.0	0.0	0.0	0.0
TK 11002	4,138		1.5		3.0
TK 11003	287				1.0
TK 11007	1,803		1.0		1.0
TK 11013	758		0.5		1.5
TK 11019	4,466		2.0		1.0
TK 11023	3,468		0.5	4.0	4.0
R 1	3,154				9.0
R 12	6,595				0.5
R 104	144				2.0
R 105	574				1.0
R 1085	18,474			14.5	12.5
R 1090	19,946			15.0	0.5
R 1099	1,147				2.5
R 1117	3,727				2.5
R 1118	3,727				2.0
R 1110	574				5.5
R 1132	2,582				5.5
R 1167	5,591				2.5
R 1175	2,724				57.5
Total B	83,879	0.0	5.5	33.5	
Total	95,724	23.0	5.5	33.5	57.5

TABLE F-5 INVENTORY OF ROAD CONSTRUCTION IN PHITSHANULOK PROVINCE

Road Number	Rank	Point	Project Cost (1,000 Baht)	Const. Length (km)	Standard Road (km)		Number of Bridge	Service Road (km)		Beneficial Villages
					Laterite	"I" Block		Type I	Type II	
PJ 11001			35,320	42.3	39.8	2.5	11		4.0	070704, 070702, 070205, 070208, 080202, 080201, 080204, 020409, 020404, 080207, 070711, 070710
PJ 11005			53,330	44.0	33.5	6.5	25			061010
PJ 11028			11,595	23.4	21.4				2.0	
PJ 11033			23,864	23.7	13.2	5.5	7	4.0	1.0	071011, 071310, 071009
PJ 11041			17,143	20.5	17.0	1.0	6	2.0	0.5	070709, 070708, 071108, 071106
PJ 11043			14,662	15.5	14.0		7		1.5	030307
PJ 11048			19,653	34.2	26.0	0.5	3	4.2	3.5	071109, 090210, 090211, 090207, 090208, 090209, 071107
PJ 11050			19,023	18.0	10.0		11	8.0		020502, 020503, 020505, 020504
PJ 11051			4,635	9.0	9.0					020313
PJ 11054			35,492	30.0	21.0	9.0	11			
PJ 11058			5,168	8.0	5.5	0.5	1		2.0	070107
Total A			239,885	268.6	210.4	25.5	82	18.2	14.5	
PJ 11002	13	1.52	13,162	18.0	5.0	1.0	5	9.0	3.0	030611, 030603, 030608, 030601, 030609
PJ 11003	10	2.87	9,056	8.0		5.5			2.5	070503, 090202, 090204, 090201, 090212, 090203
PJ 11004	4	6.10	1,476	3.0		0.5			2.5	090206, 090601, 090603
PJ 11007	11	2.81	13,186	12.0		7.0	1	2.0	3.0	080203, 080205, 080206, 080601, 080608, 080607, 080602, 080604, 080605, 080606, 080505, 080408
PJ 11013	12	2.25	3,107	7.5		0.5		5.0	2.0	061005, 061004, 060203, 061006
PJ 11014	14	1.47	3,391	3.8	0.3	1.0	1		2.5	060805, 060401, 060605
PJ 11018	15	0.41	4,835	4.0		3.0			1.0	010902
PJ 11019	6	4.50	1,332	2.5		0.5			2.0	010205, 010204
PJ 11021	9	3.15	13,317	14.0			9	4.0	10.0	090103, 090104, 090105, 090106, 090104, 090706, 090705, 090702, 090704, 090406, 090407, 090403, 090404, 090307
PJ 11044	16	-	4,548	3.0		3.0				
Sub-Total			67,410	75.8	5.3	22.0	16	20.0	28.5	

TABLE F-5 INVENTORY OF ROAD CONSTRUCTION IN PHITSHANULOK PROVINCE

Road Number	Rank	Point	Project Cost (1,000 Baht)	Const. Length (Km)	Standard Road (Km)		Number of Bridge	Service Road (Km)		Beneficial Villages
					Laterite	I' Block		Type I	Type II	
R 1143	-	-	0	0.0						020112
R 2013	1	16.21	1,579	5.5					5.5	030409,030402,030411,030702,030507,030613,030614,030610,030602
R 1065	2	13.32	1,579	5.5					5.5	011309,050118,050702,050715,050711,050705,050706
R 1063	-	-	0	0.0						011304,011310
R 12	7	3.65	6,158	15.0			1	12.5	2.5	011702,070102,071102,071105,070209,070205,071111,071112,030607
R 112	5	5.52	2,008	3.5			1		3.5	070810,070802,070806,071301,071302,071308
R 117	-	-	0	0.0						050102
R 111	8	3.23	4,512	5.0			3	1.0	4.0	090503,090506,090509,090508,090507,090606,090604,090605
Others	3	7.03	9,625	12.5		0.5	5	6.0	6.0	030807,020403,020115,020209,020109,020110,060405,060306,080410,060512,060508,060504,011107,011104,011105,011101,080106,080406,010312,010806,010805,010801,011501,011502,011609,030606,030501,030401
Sub-Total			25,461	47.0	0.0	0.5	10	19.5	27.0	
Total B		3.94	92,871	122.8	5.3	22.5	26	39.5	55.5	

TABLE F-5 INVENTORY OF ROAD CONSTRUCTION IN PHITSHANULOK PROVINCE

Road Number	Rank	Point	Project Cost (1,000 Baht)	Const. Length (Km)	Standard Road (Km)		Number of Bridge	Service Road (Km)		Beneficial Villages
					Laterite I'	Block		Type I	Type II	
PJ 11006	1	4.33	9,236	10.5			6	3.0	7.5	020111, 020301, 020302, 020303, 020304, 020305, 020306, 020307, 020308, 020310, 020311, 020312, 020314
PJ 11008	31	-	15,423	28.0	28.0		1			050208, 050210
PJ 11009	19	0.31	22,341	27.5	23.5	2.5	6		1.5	
PJ 11010	21	0.27	33,212	40.5	21.0	11.0	3	4.0	4.5	011213, 040108, 040404
PJ 11011	31	-	9,270	18.0	18.0		1			050508
PJ 11012	27	0.14	7,368	7.5	5.0	2.5	6		2.5	060408, 060808, 060401, 060301, 080609
PJ 11015	14	0.46	21,627	28.5	24.5	1.5				011202, 040605, 040606, 040207, 040901
PJ 11016	22	0.26	41,606	37.0	28.5	8.5	14			050407, 050503, 050506
PJ 11017	18	0.34	23,474	24.0	15.0	5.0	7		4.0	080507, 080510, 080508, 080509, 080501, 080502, 080505, 080504, 080409, 080411
PJ 11020	4	1.11	31,541	44.0	31.5	3.5	7	6.0	3.0	020106, 030707, 030604, 030605
PJ 11022	24	0.25	52,560	64.0	60.0	2.0	18		2.0	080302, 080304, 080307, 080306
PJ 11023	31	-	10,815	21.0	21.0		4	2.0	0.5	060111, 061109
PJ 11024	5	0.89	14,578	16.5	11.5	2.5			3.0	060207
PJ 11025	8	0.77	9,058	16.0	11.5	1.5	4			060908, 060904, 060901, 060905
PJ 11026	30	0.09	11,208	13.0	12.5	0.5	4	2.5		
PJ 11027	15	0.46	26,266	25.5	19.5	3.5	10			
PJ 11029	31	-	17,876	24.0	23.5	0.5	5			050206
PJ 11030	25	0.22	23,179	41.0	28.5	3.5		9.0	4.5	050207, 050305, 050307, 050308
PJ 11031	23	0.26	31,214	29.5	23.0	2.0	15		2.0	011505, 011309, 071212, 040411, 071209, 090607
PJ 11032	9	0.70	33,022	35.8	31.8	2.0	13		3.5	070910, 070909, 070907, 070902, 070901, 070904, 070509, 070510
PJ 11034	6	0.89	20,253	26.0	11.0	3.0	6	8.5		
PJ 11036	11	0.69	7,210	14.0	14.0					
Sub-Total			472,333	591.8	462.8	55.5	126	35.0	38.5	

TABLE F-5 INVENTORY OF ROAD CONSTRUCTION IN PHITSHANULOK PROVINCE

Road Number	Rank	Point	Project Cost (1,000 Baht)	Const. Length (Km)	Standard Road (Km)		Number of Bridge	Service Road (Km)		Beneficial Villages
					Laterite	1" Block		Type I	Type II	
PJ 11037	31	-	4,120	8.0	8.0	1.0	1		070108	
PJ 11038	29	0.11	9,214	14.0	13.0	1.0	11			
PJ 11039	31	-	26,897	24.0	20.5	3.5	6		050604	
PJ 11040	12	0.51	15,774	17.0	16.0	1.0	2		090607, 090101	
PJ 11042	26	0.17	11,931	18.3	17.8	0.5	5		030408	
PJ 11045	28	0.13	15,360	16.2	14.2	2.0	11	5.5	020113, 020405, 020406, 020407, 020408, 070706, 070707	
PJ 11046	10	0.70	31,623	39.5	32.5	1.5				
PJ 11047	20	0.28	3,805	7.0	7.0				071110	
PJ 11501	3	1.20	8,347	10.5	7.5	0.5	3	2.5	030413, 030406, 030412, 030311	
PJ 11502	7	0.84	11,844	13.5	8.0	5.0	2	0.5	010809, 010305, 010303	
PJ 11503	16	0.44	9,144	9.0	6.5	2.5	3	1.5	010309	
PJ 11504	2	1.35	11,104	15.5	12.5	1.0			030717, 030718, 030708, 030709, 030711	
PJ 11505	13	0.50	23,832	30.0	21.5	3.5	6	5.0	071005, 071013, 071014, 040413, 040406, 040410, 040409	
PJ 11506	17	0.41	19,422	24.0	19.5	2.5	5	2.0	090703, 090303, 090302, 090501, 090305	
Sub-Total			202,215	246.5	204.5	24.5	55	1.5	16.0	
Total C		0.48	674,547	838.3	667.3	80.0	181	36.5	54.5	
Total			1,007,303	1,229.7	883.0	128.0	289	94.2	124.5	

TABLE F-5 INVENTORY OF ROAD CONSTRUCTION IN SUKHOTHAI PROVINCE

Road Number	Rank	Point	Project Cost (1,000 Baht)	Const. Length (Km)	Standard Road (Km)		Number of Bridge	Service Road (Km)		Beneficial Villages
					Laterite	Block		Type I	Type II	
ST 11001			41,454	25.0	21.5	3.5	25			060710, 060703
ST 11008			13,139	16.0	14.5	1.0	4		0.5	040307
ST 11010			15,284	14.1	13.1	1.0	7			081506
ST 11012			25,840	37.0	19.0	5.0	4	10.0	3.0	070407, 050301
ST 11019			16,912	27.0	26.0	1.0	2			010405
Total A			112,628	119.1	94.1	11.5	42	10.0	3.5	
ST 11002	9	0.45	13,275	8.5		8.0	1		0.5	060408, 060405
ST 11005	7	2.26	3,093	3.0		1.0	1		2.0	040208, 040106
ST 11027	5	3.70	10,541	12.0		1.5	5	3.5	7.0	050105, 050507, 050107, 050106, 030906, 030905, 030902, 030903, 030904, 030404, 030406
R 12	1	6.98	12,468	26.5			4	12.5	14.0	050509, 050306, 010806, 010807, 010803, 010802, 010309, 010304, 010305, 010201, 010409, 010410, 020208, 020211, 020206, 020304, 020904, 020105, 021005, 050504, 050512, 050505, 050511, 050508, 010702
R 101	3	5.35	11,765	25.0			4	8.5	16.5	060709, 060707, 060706, 080711, 080609, 080709, 080706, 061105, 081603, 080804, 070907, 070802, 070808, 071001, 030108, 030507, 030112, 030509, 030504, 030508, 030501, 030510, 030609, 030405
R 102	10	0.24	4,102	6.0			2	5.5	0.5	061104
R 143	4	4.72	6,997	12.0			3	8.0	4.0	010805, 010809, 011001, 011007, 011006, 070401, 070402, 070403, 071302, 011005, 070709, 011002
R 1048	6	3.48	5,749	11.5			2	6.5	5.0	040107, 040110, 080804, 081303, 080707, 080708
Sub-Total			67,988	104.5	0.0	10.5	22	44.5	49.5	

TABLE F-5 INVENTORY OF ROAD CONSTRUCTION IN SUKHOHA PROVINCE

Road Number	Rank	Point	Project Cost (1,000 Baht)	Const. Length (km)	Standard Road (km)		Number of Bridge	Service Road (km)		Beneficial Villages
					Laterite	I' Block		Type I	Type II	
R 1053	8	1.74	3,441	5.0			2	5.0	010509, 010503, 010909	
Others	2	5.89	11,718	23.0			5	1.5	060305, 060306, 060307, 080704, 080701, 080703, 070803, 071006, 060905, 070508, 070706, 070708, 020804, 030106, 030806, 030804, 030803, 060308, 060608, 060607, 081003, 040404, 050203	
Sub-Total			15,159	28.0	0.0	0.0	7	1.5	26.5	
Total B		3.98	83,147	132.5	0.0	10.5	29	46.0	76.0	
ST 11003	19	-	16,995	33.0						
ST 11004	19	-	6,180	12.0						
ST 11006	19	-	3,605	7.0						060206, 081507, 081508
ST 11007	17	0.21	18,641	20.0		1.0	8		3.0	
ST 11009	19	-	4,635	9.0						
ST 11011	19	-	5,082	5.0		0.5	2			
ST 11013	19	-	2,575	5.0						
ST 11014	10	0.81	19,768	32.0		1.5	4	7.5	4.5	070404, 071307, 071303, 070406, 070405
ST 11015	19	-	9,785	19.0						
ST 11016	12	0.64	28,098	34.5		1.5	11	9.5	3.0	050210, 050503, 050209, 050205, 050207
ST 11017	8	1.06	14,199	18.5		1.0	4		1.5	050406, 050408, 050401, 011004
ST 11018	6	1.36	11,019	16.0		1.0	2		1.0	011003, 071007, 071005, 071004
ST 11020	19	-	6,600	6.0		0.5	3			
ST 11021	2	1.70	12,937	25.0		2.0		5.0	5.0	020607, 020802, 020610, 020609, 020202, 020402, 020405
ST 11022	19	-	17,346	22.0		1.0	5			
Sub-Total			177,463	264.0	214.0	10.0	39	22.0	18.0	

TABLE F-5 INVENTORY OF ROAD CONSTRUCTION IN SUKHOThA PROVINCE

Road Number	Rank	Point	Project Cost (1,000 Baht)	Const. Length (Km)	Standard Road (Km)		Number of Bridge	Service Road (Km)		Beneficial Villages
					Laterite I'	Block		Type I	Type II	
ST 11023	19	-	12,360	24.0	24.0					010308, 030704
ST 11024	13	0.55	12,754	13.0	8.5	2.5	4		2.0	
ST 11025	19	-	10,658	10.0	5.5	4.5	1			030702
ST 11026	16	0.25	15,693	11.0	10.0	1.0	9			030602, 030608, 030610, 030607
ST 11028	9	0.92	7,585	11.5	9.0	1.0	1		1.5	080906, 080908, 070708
ST 11029	14	0.53	13,171	18.5	10.5	2.0	3		6.0	030805, 031003, 031001, 031005, 031002, 030502
ST 11030	3	1.56	9,588	14.0	6.5	1.5	2	3.5	2.5	
ST 11501	15	0.46	26,283	22.5	17.0	4.0	11		1.5	080907, 050404, 050403, 050305
ST 11502	7	1.08	12,025	13.0	8.0	2.0	4		3.0	070701, 070703, 070606, 071008, 070805, 070705
ST 11503	11	0.72	8,330	11.0	8.5	1.0	2		1.5	010407, 020608, 020612
ST 11504	1	3.08	14,600	18.0	13.0	2.0	4		3.0	030306, 030706, 030707, 030708, 030308, 030302, 030701, 030301, 030105, 030111, 030110, 030403
ST 11505	4	1.53	15,674	15.0	9.0	3.5	5		2.5	010701, 030304, 030104, 030109, 030103, 030801, 030113
ST 11506	5	1.46	21,932	33.0	11.5	2.5	6	11.0	8.0	021004, 021002, 021008, 021011, 021007, 021103, 021102, 020808, 021106, 021104, 021105, 020807, 021006, P-050215
ST 11507	18	0.07	66,807	46.0	40.0	6.0	37			060506
Sub-Total			247,456	260.5	181.0	33.5	89	14.5	31.5	
Total C		0.63	424,919	524.5	395.0	43.5	128	36.5	49.5	
Total			620,694	776.1	489.1	65.5	199	92.5	129.0	

TABLE F-5 INVENTORY OF ROAD CONSTRUCTION IN KAMPHAENG PHET PROVINCE

Road Number	Rank	Point	Project Cost (1,000 Baht)	Const. Length (Km)	Standard Road (Km)		Number of Bridge	Service Road (Km)		Beneficial Villages
					Laterite I'	Block		Type I	Type II	
KP 11009			18,922	22.5	16.5	3.0	5	3.0	050102,050108	
KP 11011			10,045	12.3	5.8	1.5	3	5.0	050709,050703	
KP 11022			12,365	14.5	12.0	2.0	3	0.5	060305,060310,060303,060304	
KP 11026			9,798	5.4	3.4	2.0	5	1.5	060301	
KP 11027			11,494	11.3	8.8	1.0	5	4.5	060102,060101,060103	
KP 11034			2,575	5.0	5.0	0.5	6	6.5	011504,011517,011511,011509,011514,011515,060113,060112,060107	
KP 11037			24,538	39.0	27.5	0.5	6	6.5		
Total A			89,735	110.0	79.0	10.0	27	11.5	9.5	
KP 11002	10	4.79	1,879	2.0	1.0	1.0		1.0	040506,040501	
KP 11003	20	1.08	3,709	6.5	1.5	1.5		5.0	011003,040708	
KP 11012	11	4.72	4,029	10.0	0.5	0.5		8.0	010705,011909,060212,060210,060208	
KP 11013	17	2.93	12,297	18.5	3.5	3.5	2	10.0	010410,010414,031705,031701,031707,030705,031708,031704,031706,030503,031007,031010	
KP 11018	22	-	3,032	2.0	2.0	2.0	1	1.5	030505,030507	
KP 11020	21	0.67	4,466	3.5	2.0	2.0		4.5	031502,060317,030510,031703,030513	
KP 11030	9	5.09	2,357	7.5				3.0	040909,040913,040904,040911,040915,040914,040910,040902,040906	
KP 11032	15	3.48	12,353	12.5	5.5	5.5	2	7.0	010205,010203,012002,012005,011605,011607,011604,011408,011401,012001,010613,011516,011502,011506,010419,010415,030704,030107,020211,020203,021308,021306,021305,020706,020703,020704,040708	
R 1	16	3.11	28,932	52.0			12	29.0	23.0	
Sub-Total			73,053	114.5	0.0	16.0	17	50.0	48.5	

TABLE F-5 INVENTORY OF ROAD CONSTRUCTION IN KAMPHAENG PHET PROVINCE

Road Number	Rank	Point	Project Cost (1,000 Baht)	Const. Length (Km)	Standard Road (Km)		Number of Bridge	Service Road (Km)		Beneficial Villages
					Laterite	I-Block		Type I	Type II	
R 101	13	3.80	4,736	16.5					16.5	040807,040112,040116,040113,011212,011606
R 115	2	12.20	1,722	6.0					6.0	050203,050201,050109,040510,040502,040114
R 1109	3	6.97	1,721	2.5			1		2.5	010206,010202,010208
R 1116	-		0	0.0						010701
R 1117	4	6.58	3,647	8.5			1	3.0	5.5	011510,011811,060105,060309,060111,060110,060306,060308
R 1065	7	6.17	1,783	5.5				3.0	2.5	040302,040310,040311,070307
R 1072	1	18.12	718	2.5					2.5	031101,021112,021107
R 1074	14	3.72	2,417	7.0				6.0	1.0	020506,020611,020811,020806
R 1084	12	4.65	4,734	13.0			1		13.0	010401,030303,030601,030407,030406,020508,020502
R 1112	8	5.27	6,636	14.0			2	9.0	5.0	021109,021114,021102,021113,021104,021108,020408,020410,020406,020405,020407,020404
R 1242	19	2.12	8,983	9.5			6	3.5	6.0	031507,031506,031008,031001,031002,020204
R 1278	18	2.74	3,647	8.5			1	3.0	5.5	070414,070409,070404,050505,050504,050506,050503
R 1280	6	6.39	1,721	2.5			1		2.5	050205,030904,031403
Others	5	6.51	15,352	46.5			2		46.5	010201,010207,011004,040206,060203,060214,060209,010706,060202,010709,010707,011710,011709,011708,050309,030909,031302,031304,031306,031307,031303,030305,060307,031509,020207,021202,021204,010607,011005,020411,050305
Sub-Total			57,813	142.5	0.0	0.0	15	27.5	115.0	
Total B		4.02	130,865	257.0	0.0	16.0	32	77.5	163.5	

TABLE F-5 INVENTORY OF ROAD CONSTRUCTION IN KAMPHAENG PHET PROVINCE

Road Number	Rank	Point	Project Cost (1,000 Baht)	Const. Length (Km)	Standard Road (Km)		Number of Bridge	Service Road (Km)		Beneficial Villages
					Laterite	Block		Type I	Type II	
KP 11001	12	0.62	6,450	8.1	6.6	0.5	2	1.0	070306, 070312	
KP 11004	9	0.80	8,785	9.5	6.0	3.0	1	0.5	040303, 040305	
KP 11005	22	-	6,587	5.0	5.0	-	4	-	-	
KP 11006	22	-	7,760	10.2	9.7	-	2	-	-	
KP 11007	22	-	7,372	7.5	7.0	-	3	-	-	
KP 11008	22	-	18,266	16.0	14.0	-	8	-	-	
KP 11010	21	0.20	4,893	8.0	6.0	1.0	-	1.0	050402	
KP 11014	22	-	5,947	9.6	9.6	-	1	-	-	
KP 11015	15	0.50	17,882	18.0	11.5	2.5	7	4.0	030905, 031406	
KP 11016	19	0.31	16,032	23.7	19.2	1.5	3	3.0	021401, 020604, 020603	
KP 11017	8	0.83	12,011	18.5	13.5	0.5	3	4.5	050604, 050606, 050705	
KP 11019	22	-	12,711	13.0	12.0	1.0	5	-	-	
KP 11021	17	0.46	10,910	13.0	8.5	1.0	4	3.5	021006, 021012, 021013, 021002, 021004	
KP 11023	22	-	4,505	6.8	6.8	-	1	-	-	
KP 11024	20	0.25	12,046	16.5	10.5	4.0	-	2.0	021005, 021003	
KP 11025	18	0.45	11,111	12.5	11.0	-	5	1.5	021106, 021111	
KP 11028	22	-	6,654	10.0	9.5	0.5	1	-	-	
KP 11029	6	0.97	8,275	12.0	7.0	1.0	2	4.0	020605, 020901	
KP 11031	13	0.53	11,252	13.0	10.0	1.0	4	2.0	040213, 040204	
KP 11033	22	-	12,238	15.0	14.5	0.5	4.0	-	-	
KP 11501	3	1.37	11,664	19.0	13.0	-	3	3.5	012003, 012004, 011405, 011407, 011406	
KP 11502	11	0.65	10,834	12.5	10.5	1.5	3	0.5	040809, 040808, 040301, 040315	
KP 11503	7	0.93	11,806	18.5	17.0	0.5	2	1.0	070603, 070602, 070607, 070601	
KP 11504	16	0.48	29,468	29.5	20.5	1.5	14	6.5	070505, 070502, 070504, 070501, 070705, 070706, 070709	
KP 11505	1	3.74	9,893	14.5	10.5	1.0	2	1.5	011507, 011512, 011801, 011813, 011803, 011805, 011808, 011810, 011809, 011807	
Sub-Total			275,348	339.9	269.4	25.5	84	11.5	33.5	

TABLE F-5 INVENTORY OF ROAD CONSTRUCTION IN KAMPHAENG PHEI PROVINCE

Road Number	Rank	Point	Project Cost (1,000 Baht)	Const. Length (km)	Standard Road (km)		Number of Bridge	Service Road (km)		Beneficial Villages
					Laterite	Block		Type I	Type II	
KP 11506	14	0.52	30,842	31.5	20.0	7.5	8	4.0		050303, 050308, 011707, 011706, 031601, 031607
KP 11507	10	0.77	23,445	23.5	15.5	5.0	7	3.0		031405, 031404, 031402, 020909, 020608
KP 11508	2	1.49	12,112	12.5	10.0	1.0	5	1.5		031102, 031105, 031103, 031106
KP 11509	5	1.08	10,172	11.0	7.5	3.5	1			030508, 030509, 031009
KP 11510	4	1.09	22,101	25.0	18.5	3.0	7	3.5		020212, 020209, 021206, 021203, 021208, 021205, 021207, 021014, 021008, 021007, 021011
Sub-Total			98,671	103.5	71.5	20.0	28	0.0	12.0	
Total C		0.63	374,019	443.4	340.9	45.5	112	11.5	45.5	
Total			594,619	810.4	419.9	71.5	171	100.5	218.5	

TABLE F-5 INVENTORY OF ROAD CONSTRUCTION IN TAK PROVINCE

Road Number	Rank	Point	Project Cost (1,000 Baht)	Const. Length (km)	Standard Road (km)		Number of Bridge	Service Road (km)		Beneficial Villages
					Laterite	Block		Type I	Type II	
TK 11014			2,575	5.0	5.0					
TK 11037			2,575	5.0	5.0					
TK 11039			6,695	13.0	13.0					
Total A			11,845	23.0	23.0	0.0	0.0	0.0	0.0	
TK 11001		-	0	0.0						051005
TK 11002	18	0.48	4,138	4.5		1.5			3.0	080302,080308
TK 11003	4	10.45	287	1.0					1.0	040313
TK 11005		-	0	0.0						051206,050603,051202,050605
TK 11006		-	0	0.0						
TK 11007	15	1.11	1,803	2.0		1.0			1.0	010803
TK 11008		-	0	0.0						
TK 11009		-	0	0.0						
TK 11013	5	7.92	758	0.5		0.5				030708,030707,011008
TK 11016		-	0	0.0						040307,050706
TK 11017		-	0	0.0						050707,040311
TK 11018		-	0	0.0						050906
TK 11019	14	2.02	4,466	3.5		2.0			1.5	050809,051101,051109,051108,080303
TK 11023	13	2.02	3,468	5.5		0.5		4.0	1.0	060606,060609,010808
R 1	10	4.12	3,154	4.0					4.0	060605,060701,030605,030101,010508
R 12	12	2.12	6,595	9.0					9.0	011506,011607,011504,011401,011406,011407,011408
R 104	2	13.94	144	0.5					0.5	011109
R 105	1	29.62	574	2.0					2.0	051205,010906,010910,050404,010907
Sub-Total			25,386	32.5	0.0	5.5	9	4.0	23.0	

TABLE F-5 INVENTORY OF ROAD CONSTRUCTION IN TAK PROVINCE

Road Number	Rank	Point	Project Cost (1,000 Baht)	Const. Length (Km)	Standard Road (Km)		Number of Bridge	Service Road (Km)		Beneficial Villages
					Laterite I'	Block		Type I	Type II	
R 1085	9	5.63	18,474	15.5			13	14.5	1.0	020210, 020211, 020209, 020214, 020213, 020217, 020207, 020216, 020215, 020115, 020303, 020105, 020107, 020103, 020104, 020114, 020116, 020111, 020113, 020404, 040503, 040206, 040104, 040105, 040102, 040109, 050710, 051008, 020106, 020302, 020307
R 1090	11	3.91	19,946	27.5			11	15.0	12.5	050803, 051103, 051110, 051106, 080307, 080304, 080204, 070403, 070402, 070405, 070401, 070406, 070407, 070104, 070504, 070503, 070103, 070106, 070301, 070304, 070309, 070303, 070305, 070302, 070307, 070308, 070306, 070105, 080107
R 1099	6	6.98	1,147	0.5			1		0.5	060203, 060202
R 1111	-	-	0	0.0			3		2.5	010810, 010811, 010805
R 1117	12	2.95	3,727	2.5			3		2.5	070502, 070102, 070107, 060404, 030401
R 1118	16	1.07	3,727	2.5			3		2.5	011205, 010512
R 1110	7	6.97	574	2.0			1		2.0	010509, 010515
R 1132	17	0.77	2,582	5.5			4		5.5	011405, 011410
R 1167	8	5.72	5,591	5.5			2		5.5	070201, 070202, 070206, 070205, 070208, 070207, 070210, 070209
R 1175	3	10.65	2,724	2.5			2		2.5	040504, 040203, 040205, 040501, 040502, 030508, 030407, 040306
R 1206	-	-	0	0.0						080104, 080101, 080102, 080108
Others	-	-	0	0.0						011306
Sub-Total			58,488	64.0	0.0	0.0	38	29.5	34.5	
Total B		4.60	83,874	96.5	0.0	5.5	47	33.5	57.5	

TABLE F-5 INVENTORY OF ROAD CONSTRUCTION IN TAK PROVINCE

Road Number	Rank	Point	Project Cost (1,000 Baht)	Const. Length (Km)	Standard Road (Km)		Number of Bridge	Service Road (Km)		Beneficial Villages
					Laterite	1" Block		Type I	Type II	
TK 11024	4	0.63	11,166	10.0	9.0	1.0	5		030406, 030405	
TK 11025	16	-	20,206	11.0	9.5	1.5	13			
TK 11027	16	-	11,654	9.0	8.0	1.0	6			
TK 11028	16	-	7,468	14.5	14.5					
TK 11029	10	0.42	11,825	11.5	10.0	1.0	5	0.5	050804, 050810, 050805	
TK 11030	14	0.12	8,184	12.0	11.0	1.0	1		050904	
TK 11031	16	0.06	35,072	35.0	33.0	2.0	15		080202	
TK 11034	1	0.81	40,811	28.0	22.0	3.0	24	3.0	020205, 020204, 020206, 020203, 020208, 020212, 020202	
TK 11035	16	-	14,229	14.0	13.0	1.0	6		010704	
TK 11036	13	0.16	12,695	12.0	9.5	2.5	4			
TK 11038	16	-	19,259	15.0	14.5	0.5	11			
TK 11501	11	0.35	76,805	53.0	29.5	12.0	40	11.5	020406, 020405, 020408, 020407, 020402, 020403, 020112, 020109, 020110, 040407	
TK 11502	9	0.43	18,559	19.5	15.0	4.5	4		080105, 080106, 080405, 080404, 080402	
TK 11503	12	0.23	43,290	39.0	32.5	0.5	24	6.0	050608, 051207, 080203	
TK 11504	8	0.53	73,665	69.0	59.0	3.5	36	6.5	020304, 020309, 020310, 020312, 020313, 020311, 020308, 020306, 020305	
TK 11505	2	0.79	10,190	12.0	11.0	1.0	3		020301, 020308	
TK 11506	5	0.58	48,053	41.0	33.0	3.0	25	5.0	040405, 040406, 040404, 040411, 040409, 040401	
TK 11507	3	0.65	36,687	31.0	25.5	1.5	20	4.0	040201, 040408, 040410, 040403, 040402	
TK 11508	7	0.55	18,126	19.0	15.0	1.0	8	3.0	040403, 050604	
TK 11509	14	0.10	40,116	37.0	36.0	1.0	20		060205, 060204	
TK 11510	3	0.57	24,498	32.0	29.0	3.0	5		070303, 070203, 070204	
Total C		0.38	582,754	524.5	499.5	45.5	275	4.0	35.5	
Total			678,473	644.0	462.5	51.0	322	37.5	93.0	

TABLE F-6 DEEP WELL CONSTRUCTION IN 5-YEAR PROJECT

Changwat	Amphoe	Number of Villadge Considered	Number of Planning Deep Well
Phitsanulok	Muang	17	24
	Chat Trakan	11	15
	Nakhon Thai	11	15
	Bang Krathum	3	4
	Bang Rakam	20	28
	Phrom Phiram	14	20
	Wang Thong	23	32
	Wat Bot	5	7
	Noen Maprang	22	31
	Sub-Total	126	176
Sukhothai	Muang	11	15
	Kong Krailat	12	17
	Khiri Mat	21	29
	Si Samrong	21	29
	Sawankhalok	12	17
	Si Satchanalai	2	3
	Ban Dan Lan Hoi	6	8
	Thung Salian	0	0
	Sub-Total	85	118
Kamphaeng Phet	Muang	38	48
	Phran Kratai	9	13
	Lan Krabu	13	18
	Sai Ngam	12	17
	Khlong Khiung	28	39
	Khiong Lan	14	20
	Khanuworalak Buri	43	56
		Sub-Total	157
Tak	Muang	17	11
	Tha Song Yang	10	8
	Ban Tak	7	1
	Mae Ramat	16	17
	Mae Sot	12	17
	Sam Ngao	4	4
	Umphang	2	3
	Phop Phra	6	8
	Sub-Total	74	69
	Total	442	574

TABLE F-7 LIST OF PROJECT FACILITIES BY VILLAGE

Legend

① **Drinking Water**

Number : Satisfactory Ratio of Drinking Water

S : Satisfactory Ratio more than 70 %

A~D : Yielding Quantity for Aquifer Group

② **Irrigation Facilities**

C : Canal

R : Reservoir

P : Pond

W : Weir

DP - 1 : Storage Scheme

WP - 1 : Diversion Scheme

* : Proposal of Constructing in 5 Year plan

③ **Road**

R : National Highway

PJ11001 : ARD Standard Road

Others : Constructed Other Department

* : Proposal of Constructing in 5 Year Plan

TABLE F-7 LIST OF PROJECT FACILITIES IN PHITSHANULOK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities								
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road		
						X	Y	S. Ratio	P. Rank	Existing	Planning	Existing	Planning	
010204	Muang	Jom Thong	26	Pak Thok Chaom Thong(1) Chaom Thong(2)	173	631.5	867.5	25.7	A	-		PJ 11019		
010205						629.5	868.5	67.3	A	C		PJ 11019		
010207						629.5	868.8	S	A	-		PJ 11019		
010303		Don Thong	19	Rai(1) Pak Huai Nong Lwang Li Rai(3)	73	624.3	866.0	S	C	R			PJ 11502	
010305						640.5	864.7	58.5	C	C,R		PJ 11502		
010309						649.2	870.0	12.8	C	C,P		R 1065		
010312				644.8	871.0	26.5	C	R		Others		PJ 11503		
010801		Ban Pa	28	Nong Jok Sae Pa Dong Pracok	38	642.8	869.8	S	C	R,W			Others	
010805						643.7	869.5	51.0	C	C		Others		
010806						644.7	870.5	S	C	C		Others		
010809						644.1	863.0	S	C	-		Others		
010902		Pak Tok	47	Tum	171	634.3	869.0	32.6	A	C		PJ 11018		
011101	Makham Sung	17	Thong Lang Makham Sung(1) Makham Sung(2) Talat Kiwae Noi	102	631.5	870.5	S	A	-			Others		
011104					631.2	873.1	42.9	A	R		Others			
011105					631.2	872.0	57.4	A	R		Others			
011107					630.4	874.6	56.3	A	C,R		Others			
011202	Wang Nam Khu	42	Wang Nam Khu Noi Dong	157	640.0	835.4	62.4	A	-			PJ 11016		
011213					636.5	814.5	S	A	W		PJ 11010			
011304	Waht Jaen	16	Wat Chan(1) Wat Chan(2) Ban Wat Jan	68	633.3	858.0	6.5	A	-			R 1063		
011309					631.2	858.5	44.8	A	-		R 1063			
011310					633.5	857.5	29.7	A	-					
011501	Samoa Kha	44	Ban Nong To Ban Nong Makhuk Ban Ko	113	646.7	862.5	56.7	C	R			Others		
011502					646.8	855.2	S	A	R		Others			
011505					642.4	857.5	56.8	A	C,R,P					

TABLE F-7 LIST OF PROJECT FACILITIES IN PHITSHANULOK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities									
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road			
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning	Existing	Planning
011609		Hua Roa	12	Ban Teng Samnak	74	647.0	864.3	22.7	C	C	P		Others		
011702		Aranyek	4	Ban Sanam Bin Kao	42	636.5	858.2	21.9	A		-		R 12		
020106	Chat Trakan	Pa Dang	15	Ban Khon Song Salung	97	676.0	905.2	27.2	C	C	-		Others	PJ 11022	
020108			Ban Hia Thong Fan	88	669.7	905.4	49.3	C	C	C			Others		
020109			Ban Huai Hoen	110	666.2	908.7	S	C	C,W				Others	*WP- 5	
020110			Ban No Lom	53	663.6	911.3	S	C	-	C			Others	WP- 4	
020111			Ban Huai Tha Nua	100	661.3	912.2	65.9	C	C	C			R 1143	PJ 11006	
020112			Ban Nong Nua Po	36	679.0	901.0	S	C	-	C			Others	PJ 11046	
020113			Ban Mia Thai Jarrian	209	664.0	907.3	45.3	C	C,R						
020115			Ban Nai Huai Pa	3	669.9	909.7	S	C	-	C					
020209			Chatta Kran	23	Ban Na Noi	105	670.7	911.0	S	C	C			Others	
020301		Ban Dong		56	Ban Dong	202	659.0	922.5	S	C	C	C		Others	PJ 11006
020302			Ban Dong	253	658.6	922.0	S	C	C	C				PJ 11006	
020303			Ban Huai Nam Pla	19	658.5	924.3	S	C	C	C				PJ 11006	
020304			Ban Na Lom	250	656.0	920.5	S	C	C	R				PJ 11006	
020305			Ban Nan Tong	240	659.8	920.7	S	C	C	R				PJ 11006	
020306			Ban Na Ta Jun	226	657.7	920.2	S	C	C	W				PJ 11006	
020307			Ban Nan Prayom	183	658.3	921.2	S	C	C	C				PJ 11006	
020308			Ban Tha Sun Yang	220	658.0	920.8	S	C	C	C				PJ 11006	
020309			Ban Nam Thong Noi	244	662.5	919.2	S	C	C	C,W				PJ 11006	
020310			Ban Huai Nam Oon	57	659.8	922.8	S	C	C	C				PJ 11006	
020311			Ban Chum Sang	185	656.8	920.1	S	C	C	W				PJ 11006	
020312			Ban Huai Nam Yan	196	656.6	921.6	S	C	C	-				PJ 11006	
020313			Ban Tiu Tok	217	699.7	906.8	S	C	C	W,O				*PJ 11051	
020314			Ban Moi Sup Jaran	196	654.8	919.0	S	C	C	-				PJ 11006	
020403	Son Meang		8	Ban Noi	118	672.0	908.8	29.2	C	C	C		Others		
020404			Ban Huai Chang Thaen	45	662.7	902.3	S	C	S	C	C,R,P			*PJ 11005	

TABLE F-7 LIST OF PROJECT FACILITIES IN PHITSHANULOK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban			Facilities				Road		
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Existing	Planning
						X	Y	S.Ratio	P.Rank	Existing	Planning		
020405				Ban Huai Mak Lam	7	664.7	900.8	S	C	C,P			PJ 11046
020406				Ban Khok Yai	178	667.0	898.0	52.9	C	C,R			PJ 11046
020407				Ban Kaeng Rua Khan	2	670.0	893.7	15.9	C	-			PJ 11046
020408				Ban Huai Chang Thaen	41	666.4	894.3	51.9	C	C			PJ 11046
020409				Ban Nan Nong Bu	71	661.7	903.0	59.3	C	C,P			*PJ 11005
020502			1	Ban Khuat Nam Man	6	688.6	927.0	S	C	C,W,R			*PJ 11050
020503				Ban Lat Rua	8	690.2	930.8	S	C	C			*PJ 11050
020504				Ban Boue Pak Noea	10			64.4	C	C			*PJ 11050
020505				Ban Boue Pak Thai	5			5.4	C	C			*PJ 11050
030307			25	Ban Na Kai Khai	153	692.1	889.2	0.0	C	C			*PJ 11043
030311	Nakhon Thai	Na Boea		Ban Rong Kok	78	699.8	897.8	0.0	C	-			PJ 11501
030401			6	Ban Huai Nam Chai	6	705.9	882.9	69.3	C	C		Others	
030402				Ban Noen Phoem	81	698.2	892.5	16.6	C	R,C		R 2013	
030406				Ban Nong Haeo	84	701.3	896.0	54.5	C	P			PJ 11501
030408				Ban Khok	161	709.4	900.3	S	C	R,W,P		R 2013	PJ 11045
030409				Ban Hua Mong	33	700.7	892.7	S	C	-		R 2013	
030411				Ban Noen Kham Pom	65	698.0	892.0	S	C	-		R	PJ 11501
030412				Ban Non Tum	69	702.7	896.8	S	C	-			PJ 11501
030413				Ban Lad Yo Tong	9	700.8	895.0	S	C	P			PJ 11501
030501			3	Ban Bo Pho	64	718.1	906.0	S	C	C		Others	
030507		Ban Pho		Ban Khok Khilai	13	713.2	895.3	69.0	C	C,P		R 2013	
030601		Ban Yaeng	13	Ban Huai Kok	67	699.4	870.5	12.3	C	C,P	DP-2	PJ 11002	
030602				Ban Yaeng	127	692.0	868.0	S	C	C		R 2013	
030603				Ban Huai Hia	179	702.3	872.2	S	C	C	DP-3	PJ 11002	
030604				Ban Nong Hin	60	678.4	876.4	S	C	P,C			PJ 11022
030605				Ban tham Phrik	180	681.5	871.7	S	C	C			PJ 11022
030606				Ban Huai Sai Nua	16	711.1	866.2	S	C	C		Others	

TABLE F-7 LIST OF PROJECT FACILITIES IN PHITSHANULOK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities							
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road	
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning
030607				Ban Khek Yai	39	696.7	866.5	S	C	C,R		R	12
030608				Ban Lat Khui	24	705.8	871.9	S	C	C		PJ 11002	
030609				Ban Pa Khai	49	696.3	874.3	64.0	C	C,P		PJ 11002	
030610				Ban Sam Ru	23	692.8	877.2	S	C	C,P	*DP-1	R 2013	
030611				Ban Kaeng Lat	58	705.7	875.7	S	C	C		PJ 11002	
030613				Ban Takian Thong	163	691.9	874.5	S	C	C,P		R 2013	
030614				Ban Pra Doosin	45	692.3	870.5	S	C	P,R		R 2013	
030702				Ban Na Cham	79	695.8	883.7	S	C	C		R 2013	PJ 11022
030707				Ban Lang Khao	106	678.2	881.8	S	C	C,P			*PJ 11504
030708				Ban Kaeng Wa	18	690.2	878.0	S	C	C,P,W	*DP-1		*PJ 11504
030709				Ban Na Ta Phon	32	689.4	877.8	50.0	C	P			*PJ 11504
030711				Ban Kaeng Hai	48	689.1	878.8	S	C	C,P	*DP-1		*PJ 11504
030717				Ban Nam Tak	20	690.0	876.9	60.4	C	C			*PJ 11504
030718				Ban Bung	72	689.4	876.4	S	C	-			*PJ 11504
030807				Ban Bang Pham	21	695.4	928.6	0.0	C	C		Others	
040108	Bang Kratum			Ban Hua Nong	197	638.8	838.8	S	A				PJ 11010
040207				Ban Chong Klang	223	634.3	834.2	52.5	A	C			PJ 11016
040404				Ban Sam Ruan(1)	148	643.3	835.0	S	A	R			PJ 11010
040406				Ban Krong Kreng	132	646.5	836.5	S	A	C,R			PJ 11505
040409				Ban Laem Phra That(1)	170	650.2	838.3	S	C	W			PJ 11505
040410				Ban Laem Khok	177	650.8	836.3	56.1	C	C			PJ 11505
040411				Ban Dong Phayom(1)	113	644.5	836.7	S	A	C,R			PJ 11032
040413				Ban Sam Yaek Krong	138	646.5	837.7	S	A	C			PJ 11505
040605				Wat Wan Kheang Kreng	203	634.5	836.5	43.2	A	-			PJ 11016
040606				Ban Wat Khwang	166	634.2	836.2	S	A	C			PJ 11016

TABLE F-7 LIST OF PROJECT FACILITIES IN PHITSHANULOK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities								
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road		
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning	
040901		Sann Khli	7	Ban Sann Khli(1)	56	634.4	829.5	S	A	W			PJ 11016	
050102	Bang Rakam	Bang Rakam	29	Ban Wang Pet	165	624.8	845.8	51.8	A	-	R 117			
050118				Ban Nong Khao Khwai	80	616.7	850.8	33.3	A	W	R 1065			
050206	Chum Sang Sonkkram		18	Ban Nong Kha Nang(1)	37	608.0	862.4	17.8	A	C			PJ 11030	
050207				Ban Wat Taem	235	607.2	854.5	6.7	A	C				PJ 11031
050208				Ban Huang Kradai	75	611.6	855.7	0.0	A	C				PJ 11009
050210				Ban Riang Kradok	121	602.0	863.2	S	A	-				PJ 11009
050215				Bak Prong Gradong	17	600.0	856.0	52.6	A	-				PJ 11506
050305	Bang Kok		40	Ban Khok Sawang	136	609.5	850.5	0.0	A	C			PJ 11031	
050307				Ban Sawai Chung	156	608.3	850.5	0.0	A	-				PJ 11031
050308				Ban Pra Da	160	607.0	849.5	0.0	A	C				PJ 11031
050407	Plak Raed		55	Ban Lai Pho	194	619.2	844.9	S	A	R			PJ 11017	
050503	Phancha		53	Ban Phan Sao	142	616.5	841.5	57.1	A	R			PJ 11017	
050506				Ban Na Man	239	614.7	842.7	0.0	A	R				PJ 11017
050508				Ban Bo Thong	111	622.8	839.3	17.3	A	C				PJ 11012
050516				Ban Nong Bua Sibot	233	613.7	839.3	54.6	A	-				PJ 11035
050604	Wang Actouk		65	Ban Nong Ta Dam	251	623.5	842.0	S	A	W			PJ 11040	
050702	Nong Kula		48	Ban Nong Phai	221	598.0	843.5	0.0	A	C,R			R 1065	
050703				Ban Dong Kwang	243	605.7	839.5	0.0	A	R				PJ 11035
050705				Ban Nong Luang(2)	230	602.0	839.0	S	A	C				R 1065
050706				Ban Bung Bon	118	601.7	835.0	0.0	A	C,R				R 1065
050709				Ban Nong Takhian	231	608.7	835.7	0.0	A	-				PJ 11035
050711	Ban Mai Klong Jaren		42	601.6	840.2	69.4	A	C				R 1065		
050715	Ban Mon Tritong		90	602.6	841.6	0.0	A	R				R 1065		

TABLE F-7 LIST OF PROJECT FACILITIES IN PHITSHANULOK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities								
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road		
						X	Y	S. Ratio	P. Rank	Existing	Planning	Existing	Planning	
050805		Nikom Pad Thana	33	Ban Nikom Pad Thana	138	599.2	851.3	0.0	A	A	C,R		Others	
060111	Phrom Phiram	Phrom Phiram	20	Ban Nong Nam Yan	96	622.0	882.6	67.6	A	A	C		PJ 11025	PJ 11025
060203		Truk Ka Tame	50	Ban Chaeng Wat	128	614.0	900.0	S	A	A	-		PJ 11013	PJ 11026
060207				Ban Nong Saka	220	613.0	899.0	0.0	A	A	C,R			
060301		Tud Yai Chang	46	Ban Tri Yam	175	637.3	892.3	S	C	C	-		Others	PJ 11015
060306				Ban Hua Khao	161	640.0	889.5	23.0	C	C	-			
060401		Dong Pra Kome	43	Ban Khok Samo	227	630.5	895.5	S	A	A	C,P		PJ 11014	PJ 11015
060404				Ban Pa Daeng	107	631.2	897.3	S	A	A	C,R			
060405				Ban Khao Noi	198	629.8	898.7	S	A	A	C,P		Others	
060408				Ban Thong Phlong	85	626.8	900.6	S	D	D	R			PJ 11015
060504		Ta Chank	45	Ban Khlong Khat	120	628.7	878.8	S	A	A	-		Others	
060506				Ban Wang Masa	191	627.6	879.3	9.2	A	A	-		Others	
060512				Ban Mai Saem Suksum	190	626.4	880.1	0.0	A	A	C,R		Others	
060605		Matong	64	Ban Phai Tham	246	627.2	890.8	46.0	A	A	C		PJ 11014	
060805		Wong Khong	60	Ban Yang Prada	232	625.3	893.5	S	A	A	W		PJ 11014	
060808				Ban Khao Samo Khia	195	625.5	899.0	S	D	D	W			PJ 11015
060901		Wang Won	41	Ban Wang Won	55	615.3	886.8	25.0	A	A	C			PJ 11027
060904				Ban Wang Satu	86	616.0	886.5	28.7	A	A	C,R			PJ 11027
060905				Bang Dong Makrut	242	613.2	884.4	33.3	A	A	C			PJ 11027
060907				Ban Wang Nam Bo	180	613.3	881.5	50.0	A	A	C,R			PJ 11027
060908				Ban Wang Mai Kaen	205	614.2	888.2	S	A	A	C			PJ 11027
061004		Sri Piroon	59	Ban Tong Kong	206	617.2	898.7	0.0	A	A	C		PJ 11013	
061005				Ban Bung	228	618.3	898.4	0.0	A	A	-		PJ 11013	

TABLE F-7 LIST OF PROJECT FACILITIES IN PHITSHANULOK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities									
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road			
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning		
061006				Ban Huai	192	618.5	897.3	0.0	A	C		PJ 11013	*PJ 11028		
061010				Ban Bung Tham Rong	222	611.7	889.0	S	A	C					
061109		Nong Kham	32	Khlong Wang Makham	134	617.6	880.6	30.2	A	C			PJ 11025		
070102	Wang Thong	Wang Thong	35	Ban Tong Pong	109	651.2	861.2	14.7	C	C		R	12		
070107				Ban Bang Phrom	198	651.5	856.7	56.6	A	R			*PJ 11058		
070108				Khao Samo Khlaeng	125	649.0	862.2	21.1	C	C,R			PJ 11038		
070201		Khang Sopa	11	Ban Nam Tuk Poi	95	685.5	863.5	S	B	0		R	12		
070205	Ban Muang Hom			114	672.5	871.8	38.5	B	C			*PJ 11005			
070208	Ban Sap Jaran			45	674.9	869.5	S	B	-			*PJ 11005			
070209	Ban Kaeng Song			28	674.3	865.4	S	B	-						
070503				Ta Mon Ram	34	Bsn Nong Tao It	191	657.8	846.7	S	B	C		PJ 11003	
070509				Ban Thung Nong Daeng	94	661.1	842.2	S	B	C		PJ 11034			
070510				Ban Tringam	248	662.7	841.5	S	B	C		PJ 11034			
070513				Ban Tha Hun Ban	31	661.0	844.0	S	B	C		PJ 11034			
070702		Ban Klang	31	Ban Klang(1)	184	676.5	868.5	0.0	B	-			*PJ 11005		
070704	Ban Noen Sawang			135	665.9	876.9	13.3	C	C			*PJ 11005			
070706	Ban Mai Thai Charden			149	668.2	889.5	S	C	C			PJ 11046			
070707	Ban Nam Yang			216	672.0	877.2	S	B	C			PJ 11046			
070708	Ban Hin Prakai			93	663.5	872.3	S	C	C			*PJ 11041			
070709	Ban Nong Chum Saeng			27	666.2	876.0	S	C	C			*PJ 11041			
070710	Ban Cham Wai			101	664.3	885.5	0.0	C	C			*PJ 11005			
070711	Ban Mai Panom Thong			117	661.8	885.8	S	C	C			*PJ 11005			
070802				Din Tong	14	Ban Sam Toei(1)	47	654.8	856.3	S	B	C		R	112
070806	Ban dong Din Thong					59	652.5	856.2	S	C	C			R	112
070810	Ban Nong Kok	123	653.3			857.5	S	C	-			R	112		

TABLE F-7 LIST OF PROJECT FACILITIES IN PHITSHANULOK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities											
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road					
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning				
070901	Phan Chali	Phan Chali	39	Ban Rat Phan Chali	144	838.0	838.0	C		C				PJ 11034			
070902				Ban Phan Chali	131	833.7	833.7	C		C					PJ 11034		
070904				Ban Noen Mai Daeng	162	839.5	839.5	S		C					PJ 11034		
070906				Ban Nong Nga	213	831.5	831.5	0.0		C							
070907				Ban Khong Fai	139	836.5	836.5	S		C					PJ 11034		
070908				Ban Suphan	188	838.5	838.5	S		B					PJ 11034		
070909				Ban Khong Du	40	835.5	835.5	S		C					PJ 11034		
070910				Ban Wang Mai Kok	160	835.5	835.5	S		C					PJ 11034		
070911				Ban Nong Hin(1)	167	836.3	836.3	S		B					PJ 11034		
071005				Mae Raka	Mae Raka	54	Ban Tham Tao	186	845.0	845.5	C		C				PJ 11505
071009							Ban Nong Phak Wan	214	846.9	846.9	6.3		C		R		
071011	Ban Laew Khak	122	850.6				850.6	16.3		C		C,R			*PJ 11033		
071013	Ban Bong Pun	199	845.3				845.3	60.0		C		C			PJ 11505		
071014	Ban Tonk Yai	215	841.8				841.8	27.1		C		-			PJ 11505		
071101	Wang Nok Earn	Wang Nok Earn	61	Ban Wang Din So	103	864.0	864.8	C		C							
071102				Ban Wang Nok Aen	212	863.1	863.1	38.1		C		C					
071105				Ban Tha Kham	146	863.8	863.8	S		B		-					
071106				Ban Wang Tat	169	865.7	865.7	50.2		C		C,G			*PJ 11041		
071107				Ban Kaeng Chung Nang	245	860.5	860.5	S		C		C			*PJ 11048		
071108				Ban Huai Phai	249	866.6	866.6	S		C		R,P			*PJ 11041		
071109				Ban Sumthakian	247	854.3	854.3	S		C		R			*PJ 11048		
071110				Ban Pai Yai	252	851.8	851.8	0.0		C		G			PJ 11047		
071111				Ban Tha Makrut	218	860.4	860.4	1.1		B		C					
071112				Ban Huai Due	252	860.3	860.3	S		B		C					
071209				Wang Pikul	Wang Pikul	49	Ban Dong Phat	187	855.1	855.1	A		-				PJ 11032
071212							Ban Takun Sam Tong	157	850.7	850.7	S		A		C,R		
071301	Nong Pra	Nong Pra	30	Ban Nong Sadao	34	848.0	848.0	C		R,P				R 112			
071302				Ban Kong Rai	181	845.5	845.5	36.8		C		C			R 112		
071308				Ban Dong Taeng	224	845.0	845.0	S		C		-			R 112		

TABLE F-7 LIST OF PROJECT FACILITIES IN PHITSHANULOK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities							
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road	
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning
090403		Wang Prong	9	Ban Nong Du	77	678.0	813.4	0.0	C	P		PJ 11021	
090404				Ban Wang Phlong	15	678.2	816.0	S	C	C		PJ 11021	
090406				Ban Kong Ta Rap	150	681.7	815.3	0.0	C	C,R,W		PJ 11021	
090407				Ban Wang Phlong Koa	52	679.0	815.4	S	C	C		PJ 11021	
090501		Ban Noi Sume Khe	51	Mai Nong Nang Dam	189	670.8	822.5	S	C	P			PJ 11506
090503				Ban Pong Phai	187	670.0	828.0	S	C	C		R 111	
090506				Ban Khong Pak Num	204	671.7	826.1	S	C	C		R 111	
090507				Ban Khong Rai	129	672.5	831.5	S	C	-	*WP- 3	R 111	
090508				Ban Nong Salaeng Mai	193	672.8	830.0	S	C	C	*WP- 3	R 111	
090509				Ban Mai Yarinpon	172	672.8	829.4	S	C	C	*WP- 3	R 111	
090601		Non Ma Prang	21	Ban Mai Tong Pa Sert	112	675.0	834.9	S	C	-		PJ 11004	
090603				Ban Nong Kon	207	675.5	833.5	S	C	C		PJ 11004	
090604				Ban Noen Kabak	141	675.5	832.5	42.2	C	C	*WP- 2	R 111	
090605				Ban Khao Din	35	677.5	831.6	S	C	C	*WP- 2	R 111	
090606				Ban Bang Na	155	673.3	832.1	14.0	C	C	*WP- 3	R 111	
090607				Ban Dong Kue	11	678.5	834.7	4.3	B	C			PJ 11032
090701		Waang Yeang	24	Ban Kong Takian	146	687.7	814.2	S	C	C		PJ 11021	
090702				Ban Sai Ding Yank	89	682.7	818.8	11.0	C	C	*WP- 9	PJ 11021	
090703				Ban Wang Din Nio	104	681.6	818.2	S	C	W			
090704				Ban Nong Charvan	115	683.0	817.3	43.5	C	C	*WP- 9	PJ 11021	
090705				Ban Tonk Nadee	211	683.7	818.4	S	C	C	*WP- 9	PJ 11021	
090706				Ban Wang Nang	26	684.3	819.7	0.0	B	C,P,W		PJ 11021	

TABLE F-7 LIST OF PROJECT FACILITIES IN SUKHOThAI PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities								
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road		
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning	
010201	Muang	Tan Tia	8	Tan Tia	32	593.5	884.6	6.1	A	A	C, W	R	12	
010304		Ban Kluai	13	Phet Fai Kluai	109	580.5	881.2	64.8	A	A	C, W, P	R	12	
010305				Ban Na Pho	23	583.3	880.6	S	A	A	C, P	R	12	ST 11024
010308				Traphang Nakhok	71	580.3	874.2	S	A	A	P	R	12	
010309					56	577.1	880.3	26.0	A	A	P	R	12	
010405		Ban Suan	20	Khlong Dan	68	601.8	887.6	0.0	A	A	C			*ST 11019
010407				Nong Kheong	94	599.3	883.6	0.0	A	A	C			ST 11503
010409				Suan Nua	137	584.2	883.8	0.0	A	A	R	R	12	
010410				Khlong Plai Na	62	596.0	882.3	0.0	A	A	C	R	12	
010503		Ban Lum	40	Khlong Wang Dang	161	591.0	877.0	0.0	A	A	C	R	1053	
010509				Nuen Yang	105	593.1	877.9	0.0	A	A	C	R	1053	
010701		Pak Phea	26	Pak Phea	62	590.1	870.1	S	A	A	C	R	101	ST 11505
010702				Lad Sai Mun	135	588.2	872.8	S	A	A	C	R	101	
010802		Muang Khao	34	Ban Na	157	578.8	881.3	S	A	A	W, P	R	12	
010803				Muang Khao	60	572.6	883.0	9.3	A	A	C, P	R	12	
010805				Pak Khlong	70	574.8	884.5	S	A	A	C	R	143	
010806				Mon Khiri	169	571.3	883.8	S	C	C	W, P	R	12	
010807				Wang Won	67	596.6	885.6	S	A	A	C, W	R	12	
010809				Roaton Klua	105	576.8	885.5	S	A	A	P	R	143	
010909		Yang Sai	45	Macam Kom	151	590.5	877.8	0.0	A	A	W	R	1053	
011001		Wang Thong Daeng	10	Wang Thong Daeng	55	574.2	889.8	S	A	A	C, P	R	143	
011002				Sai Yap	89	573.9	891.8	S	A	A	C, W, P	R	143	
011003				Khlong Yo	26	578.2	891.2	S	A	A	C, P			ST 11017
011004				Rap Rang Nuan	22	570.6	891.8	S	C	C	C, P			ST 11017
011005				Nong Ta Chot	111	576.0	895.5	S	A	A	P	R	143	
011006				Nong Yao	59	576.5	893.4	S	A	A	C, P	R	143	

TABLE F-7 LIST OF PROJECT FACILITIES IN SUKHOThAI PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban			Facilities							
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road		
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning	
011007				Sam Nak	43	572.4	889.6	S	A	C,P	R	143		
020105	Kong Krilat	Ban Khrang	37	Nong Ngaen	122	599.5	872.2	54.5	A	C	R	12		
020202		Khok Raek	17	Peak Rak	30	608.5	879.8	S	A	C	R	12		SF 11021
020206				Kaeng Luang	101	616.0	877.0	S	A	C	R	12		
020208				Bolow	33	610.9	877.7	S	A	-	R	12		
020211				Khok Matum	129	613.7	877.1	S	A	C	R	12		
020304		Maisuk Khasam	2	Na Thael	10	617.5	875.1	S	A	C	R	12		
020402		Khriklang	7	Nai	28	606.0	877.5	56.7	A	C				SF 11021
020405				Nong Imo	45	607.9	882.4	34.5	A	C				SF 11021
020607		Khri Nai	49	Wang Khwan	143	602.5	884.0	68.6	A	C				SF 11021
020608				Nong Khatiak	168	600.0	882.0	S	A	C				SF 11503
020609				Nong Kraton	134	605.6	886.9	2.3	A	C				SF 11021
020610				Nong Phai Long	187	603.5	886.8	42.6	A	-				SF 11021
020612				Nong Tapho	143	602.5	878.8	47.1	A	C				SF 11503
020802		Tha Charoan	28	Nong Bua	108	603.5	881.0	S	A	C				SF 11021
020804				Komtan	53	595.5	867.5	S	A	C				
020807				Nong Mae Lom	126	597.7	860.1	S	A	C				SF 11506
020808				Ban Noea	92	598.5	863.1	S	A	C				SF 11506
020904		Ba Faek	44	Nong Tha	144	601.3	877.3	51.8	A	-	R	12		
021002		Khlong	23	Bang Sanin	27	601.0	869.2	S	A	C				SF 11506
021004				Wang Anchang	97	603.5	870.6	34.6	A	-				SF 11506
021005				Bang Bra	54	597.4	871.8	S	A	-	R	12		
021006				Nong Samphaya	102	601.9	867.2	S	A	C				SF 11506
021007				Pheadu Thao	98	605.0	864.7	S	A	-				SF 11506

TABLE F-7 LIST OF PROJECT FACILITIES IN SUKTHOTAI PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities							
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road	
						X	Y	S. Ratio	P. Rank	Existing	Planning		Existing
021008				Neon Wa	121	603.5	868.3	26.8	A	C			ST 11506
021011				Kam Mia Khrai	138	604.8	867.5	S	A	-			ST 11506
021102		Nong Tom	42	Nong Tum	129	600.0	862.5	S	A	C			ST 11506
021103				Kuo Note	154	600.5	863.5	22.7	A	C			ST 11506
021104				Wang Nak	183	599.6	862.2	S	A	C			ST 11506
021105				Nong Krajop	145	598.9	862.3	69.4	A	-			ST 11506
021106				Kui Samo	81	600.7	860.7	S	A	-			ST 11506
030103	Khiri Mat	Tanot	18	Pak Khlong Rua	80	587.3	861.1	64.8	A	C			ST 11505
030104				Yang Laem	112	588.6	862.0	44.4	A	C, W			ST 11505
030105				Nong Khra Saen	119	588.4	862.2	S	A	-			ST 11504
030106				Nong Kok	146	592.8	861.5	53.0	A	C		Others	
030108				Nong Rua	5	585.5	862.7	S	A	-		R 101	
030109				Lai Pla Kang	44	587.6	861.6	S	A	-			ST 11505
030110				Noen Pradu	64	581.2	863.7	2.0	A	-			ST 11504
030111				Noen Payom	77	582.8	864.1	66.1	A	-			ST 11504
030112				Khui Klang	170	587.4	861.5	S	A	C		R 101	
030113				Bon Kwai	36	591.0	861.9	3.9	A	-			ST 11505
030301		Ban Bon	14	Noen Yang	15	581.8	868.2	24.4	A	C, P			ST 11504
030302				Wang Phak Bung	48	581.0	868.8	17.2	A	C, P			ST 11504
030304				Nong Phu	82	591.2	866.5	69.2	A	C, P			ST 11505
030306				Tha Phang Ma Phang	84	580.2	872.8	0.0	A	C, P			ST 11504
030308				Nong Tachiang	96	580.0	869.4	S	A	C, P			ST 11504
030403		Si Khirimat	21	Lum Hao	82	582.0	863.0	S	C	P		WS-8	ST 11027
030404				Nong Tlap	118	574.5	854.3	S	C	-			R 101
030405				Thantawan	58	577.4	854.0	16.7	C	-			ST 11027
030406				Wang Satlum	102	576.0	854.0	S	C	-			
030501		Sam Phoang	27	Huai Nam Sai	41	583.5	855.3	15.1	A	C			R 101

TABLE F-7 LIST OF PROJECT FACILITIES IN SUKHOThAI PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities								
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road		
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning	
030502				Takh Khan	104	585.5	855.8	S	A	P		R	101	ST 11030
030504				Sam Phuang	38	584.5	857.7	S	A	C		R	101	
030507				Nong Laeng	130	584.1	856.9	1.4	A	-		R	101	
030508				Plai Na Banthong	75	584.6	855.5	49.2	A	P		R	101	
030509				Hua Thanon	61	584.6	857.9	S	A	-		R	101	
030510				Ban Na Kong	188	582.5	857.1	0.0	A	-		R	101	
030602				Nong Yang	108	581.1	855.8	S	A	C				ST 11028
030607				Nong Kratum	142	581.0	852.7	S	A	C				ST 11028
030608				Nidon Patana	177	581.8	854.8	17.1	A	C,R				ST 11028
030609				Dong Tchang	140	580.2	855.8	S	A	C		R	101	
030610				Bueng Sanit	159	581.5	854.0	S	A	R,P				ST 11028
030701				Nokalong	4	581.4	867.9	S	A	C				ST 11504
030702				Na Choeng	65	578.8	868.9	S	C	C				ST 11028
030704				Khun Nawang	105	581.5	872.5	S	A	C				ST 11024
030706				Makawan	13	581.5	871.2	S	A	-				ST 11504
030707				Na Ba Dam	89	581.5	870.0	S	A	P				ST 11504
030708				Khilo Thong	7	582.5	870.0	S	A	P				ST 11504
030801				Nong Khrading	120	586.7	859.6	S	A	C,P		Others		ST 11506
030803				Hua Yuat	76	588.2	859.8	S	C	C		Others		
030804				Noen Phayom	173	589.5	858.9	S	C	C,P				
030805				Khan Mae Nam Bon	131	586.0	859.0	S	C	C				ST 11030
030806				Thung Khapho	17	590.6	859.5	S	C	R				
030902				Khaothong Pa Ngap	128	568.0	854.6	48.6	C	C		ST 11027		
030903				Ban Gwaw	8	570.3	854.7	S	C	-				
030904				Nam Tok Sai Roong	85	570.5	857.6	36.4	C	P				
030905				Mai Po Thong	186	566.5	857.5	68.5	C	W,P			WS-7	
030906				Lan Uang	72	565.8	856.2	S	C	C			WS-7	
031001				Thong Yang Muang	83	586.5	852.7	S	A	C				ST 11030

TABLE F-7 LIST OF PROJECT FACILITIES IN SUKHOHAI PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities							
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road	
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning
031002				Thung Yang Muang	156	588.9	852.4	S	A	C			ST 11030
031003				Nuaen Sadow	174	588.2	853.0	10.4	A	C			ST 11030
031005				Khlong Naw Yin	12	586.4	853.6	S	A	C			ST 11030
040106	Thung Saliam	Thung Salian	16	tha Pua	123	559.0	919.5	S	C	C,P		ST 11005	
040107				Den De Me	48	564.0	914.5	S	C	C,P		R 1048	
040110				Than Nam Thip	49	557.3	913.1	S	C	C,P		R 1048	
040208		Khang Dong	5	Buan Bon	31	554.0	933.0	S	D	C,W		ST 11005	
040307		Thai Chanasok	50	Nong Ya Plong	167	562.4	926.2	S	C	C			*ST 11008
040404		Ban Mai Chai Mongkorn	1	Nong Rangsit	9	574.5	919.2	S	C	P		Others	
050105	Ban Dan Lon Hoi	Lan Hoi	3	Nong To	16	563.2	867.8	S	C	C,P		ST 11027	
050106				Wang Tabek	21	563.8	857.3	S	C	C,P		ST 11027	
050107				Wang Khon Pluai	46	564.0	858.0	S	C	C		ST 11027	
050203		Taing Chan	11	Wang Hat	25	514.8	900.7	S	D	W		DS-2	Others
050205				Wang Hin	99	551.2	889.4	S	C	C,P			ST 11016
050207				Lan Krabu	6	552.6	890.8	S	C	P			ST 11016
050208				Wang Tok	40	542.8	898.8	S	C	C,P			Others
050209				Wang Luk	91	551.2	887.5	S	C	C,P			ST 11016
050210				Nong Tom	115	547.0	881.4	S	C	C			ST 11016
050301	Ban Dan	Ban Dan	9	Nong Chang	100	561.0	881.5	S	C	C,P		ST 11012	
050305				Wang Daet	19	563.5	884.3	S	C	W			ST 11501
050306				Wang Som Poi	18	566.2	883.8	S	C	C		R 12	
050401		Wang Nam Khaw	27	Khlong Saket	73	568.7	893.1	53.2	C	C,P			ST 11017
050403				Lan Du	114	566.8	887.2	21.7	C	C			ST 11501

TABLE F-7 LIST OF PROJECT FACILITIES IN SUKHOHAI PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities								
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road		
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning	
031002				Thung Yang Muang	156	588.9	852.4	S	A	C				ST 11030
031003				Nuaen Sadow	174	588.2	853.0	10.4	A	C				ST 11030
031005				Khlong Naw Yin	12	586.4	853.6	S	A	C				ST 11030
040106	Thung Saliam			tra Pua	123	559.0	919.5	S	C	C,P			ST 11005	
040107			16	Den De Me	48	564.0	914.5	S	C	C,P			R 1048	
040110				Than Nam Thip	49	557.3	913.1	S	C	C,P			R 1048	
040208			5	Buan Bon	31	554.0	933.0	S	D	C,W			ST 11005	
040307			50	Nong Ya Plong	167	562.4	926.2	S	C	C			Others	*ST 11008
040404			1	Nong Rangsit	9	574.5	919.2	S	C	P			Others	
050105	Ban Dan Lon Hoi		3	Nong To	16	563.2	867.8	S	C	C,P			ST 11027	
050106				Wang Tabek	21	563.8	857.3	S	C	C,P			ST 11027	
050107				Wang Khon Pluai	46	564.0	858.0	S	C	C			ST 11027	
050203			11	Wang Hat	25	514.8	900.7	S	D	W		DS-2	Others	ST 11016
050205				Wang Hin	99	551.2	889.4	S	C	C,P			Others	ST 11016
050207				Lan Krabu	6	552.6	890.8	S	C	P			Others	
050208				Wang Tok	40	542.8	898.8	S	C	C,P			Others	
050209				Wang Luk	91	551.2	887.5	S	C	C,P				ST 11016
050210				Nong Tom	115	547.0	881.4	S	C	C		WS-9		ST 11016
050301	Ban Dan		9	Nong Chang	100	561.0	881.5	S	C	C,P			ST 11012	
050305				Wang Daet	19	563.5	884.3	S	C	W			R 12	ST 11501
050306				Wang Sam Poi	18	566.2	883.8	S	C	C				
050401			27	Khlong Saket	73	568.7	893.1	53.2	C	C,P				ST 11017
050403				Lan Du	114	566.8	887.2	21.7	C	C				ST 11501

TABLE F-7 LIST OF PROJECT FACILITIES IN SUKHOThAI PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities							
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road	
						X	Y	S. Ratio	P. Rank	Existing	Planning	Existing	Planning
050404				Wang Khon Phai	88	564.3	891.3	C	40.8	C	C,P	C,P	ST 11501
050406				Long Thong	127	563.6	892.8	C	39.6	C	C,P	C,P	ST 11017
050408				Wang Phong	74	564.5	893.3	C	0.0	C	C,P	C,P	ST 11501
050503			4	Nong Chik Tin Noen	14	549.8	879.9	C	68.1	C	C,P	C,P	ST 11016
050504				Wang Takhro	37	553.5	879.0	C	S	C	P	P	R 12
050505				Nong Ya Plong	95	549.1	875.6	C	S	C	C,P	C,P	R 12
050507				Phu Heep	6	561.8	860.3	C	S	C	C,P	C,P	ST 11027
050508				Wang Sai	2	555.5	873.8	C	S	C	C	C	R 12
050509				Khao Bon	1	554.0	880.2	C	S	C	C	C	R 12
050511				Mai Pak Khlong Ruam	20	551.2	873.2	C	S	C	C	C	R 12
050512				Nong Po	106	549.2	877.5	C	S	C	-	-	R 12
060206					152	597.5	932.5	A	S	A	C	C	ST 11007
060207	Si Satchanalai	Tha Chai	51	Nong Bua Saija Gai Pop	172	602.3	934.5	A	S	A	0	0	
060305					78	555.6	944.2	C	S	C	C	C	Others
060306				Hua Yuak Pa Kha	52	553.0	940.5	C	S	C	C,G	C,G	Others
060307				Sam Chok Bo	147	558.4	939.5	D	S	D	C,P	C,P	Others
060308					136	561.0	938.5	D	S	D	C	C	Others
060405					35	588.2	948.0	C	69.9	C	C	C	ST 11002
060408				Na Thon Chan Mae Khon	166	588.2	952.0	C	S	C	C	C	ST 11002
060606					3	552.2	950.5	C	S	C	C	C	ST 11507
060607				Mae San	159	552.3	944.7	C	30.7	C	C	C	Others
060608				Wang Khon Ngon San Hid	139	560.4	947.6	C	S	C	C	C	Others
060703					142	569.0	953.9	C	S	C	C	C	*ST 11001
060706				Pha Wiang Sa Tho	87	573.3	953.7	C	S	C	C	C	R 101
060707				Pa Kham	157	578.8	959.8	C	S	C	C	C	R 101
060709				Na Plakang	107	563.5	967.0	C	S	C	C,W	C	R 101

TABLE F-7 LIST OF PROJECT FACILITIES IN SUKHOThAI PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities				Road				
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water			Irrigation			
						X	Y	S.Ratio	P.Rank		Existing	Planning	Existing	Planning
060710				Ban Sa	47	565.9	957.1	S	C	C,W		R	101	*ST 11001
060711				Bong	24	567.0	959.8	S	C	C				
060905		Nong Aw	39	Go Noi	121	578.6	932.8	S	C	C,P		Others		
061104		Dong Khu	52	Than Thong	155	594.7	936.0	S	A	C	WS-5	R	102	
061105				Dong Sak Rai	176	594.2	936.1	S	A	C,P	WS-5	R	101	
070401	Si Samrong	Nakhon Khrai	43	Nakhon Krai	124	573.4	894.4	S	C	C,P		R	143	
070402				San Desuk	165	573.8	895.2	S	A	W,P		R	143	
070403				Wang Phi Khon	160	572.6	894.8	S	C	P		R	143	
070404				Khao Din Priman	149	564.2	898.9	S	C	C,W,P				ST 11014
070405				Wang Sombun	148	571.0	895.7	S	C	C,P				ST 11014
070406				Wang Tanon	110	569.3	897.3	S	C	C,P				ST 11014
070407				Sok Pua	143	554.2	905.3	S	A	P	WS-6			*ST 11012
070508		Ban San	25	Pak Khlong Daen	90	580.0	901.6	0.0	A	C		Others		
070606		Ban Na	47	Ta Khang Ngam	162	585.1	898.7	S	A	-				ST 11502
070701		Ban Rai	19	Ban Rai	51	581.8	899.5	0.0	A	C				ST 11502
070703				Ban Rai	153	581.9	898.6	0.0	A	C				ST 11502
070705				Ban Rai	50	581.4	898.3	0.0	A	C				ST 11502
070706				Ban Mae Nam	63	580.2	900.2	0.0	A	C		Others		
070708				Ban Buang Sak	69	583.0	900.8	0.0	A	C		Others		
070709				Na Phong	158	576.0	898.2	0.0	A	C		R	143	
070802		Wang Thong	53	Wang Thong	163	589.0	896.5	17.1	A	-		R	101	
070803				Khlong Jam Long	164	587.5	897.1	8.6	A	C		Others		
070805				Ban Wang Thong	189	588.5	895.5	25.0	A	-				ST 11502
070808				Ban Wang Thong	156	588.6	894.5	15.0	A	-		R	101	

TABLE F-7 LIST OF PROJECT FACILITIES IN SUKHOHAI PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban			Facilities						
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road	
						X	Y	S.Ratio	P.Rank	Existing	Planning		Existing
070907		Wang Luk	56	Nong Rang Nua	185	593.4	896.6	38.9	A	C		R 101	
071001		Wang Yai	38	Wang Yai	178	588.5	894.3	13.8	A	-		R 101	ST 11018
071004				Tiet Nai	42	586.1	891.1	14.7	A	C			ST 11018
071005				Khok Kathu	79	581.3	893.0	16.4	A	-		Others	
071006				Phai Kho	175	588.0	894.0	17.5	A	C			ST 11018
071007				Sa Bua	113	581.0	891.5	18.8	A	-			ST 11502
071008				Khlong Sak	132	584.5	895.7	68.8	A	C			
071302		Roton Jhan	8	Nong Tachot	86	576.2	895.5	35.4	A	C,P		R 143	ST 11014
071303				Ya Luk	11	573.5	899.8	40.3	C	C,P			ST 11014
071307				Na Luk	39	570.2	901.5	28.2	C	C,P			ST 11014
080608	Sawan Khalok	Nai Muang	48	Nong Rieng	182	582.8	903.8	S	A	C		R 101	ST 11029
080609				Ban Muang	117	589.6	917.4	0.0	A	-			
080701		Pai Kum Kho	36	Khun Yang	34	586.2	920.0	4.8	A	-		Others	
080703				Khun Thong	103	586.8	919.7	S	A	-		Others	
080704				Pakomko	184	585.0	921.4	19.4	A	-		Others	
080706				Khong Hokbaht	125	589.5	921.8	6.0	A	-		R 101	
080707				Mai Phongam	133	581.4	921.2	37.5	A	C		R 1048	
080708				Wang Wa	57	580.0	919.0	60.5	A	C		R 101	
080709				Wang Won	67	588.0	922.5	0.0	A	R		R 101	
080711				Khlong Khae	150	587.2	920.3	S	A	C		R 101	
080804		Bak Nam	12	Mai Ngam	66	581.9	915.2	1.1	A	-		R 1048	
080906		Nong Klap	46	Nong Klap	116	582.4	906.2	0.0	A	C			ST 11029
080907				Nong Khaem	179	585.2	896.2	0.0	C	-			ST 11501
081003		Muang Ban Khilang	54	Bak Khlong Chang	180	576.5	915.6	35.2	C	C,W		Others	

TABLE F-7 LIST OF PROJECT FACILITIES IN SUKHOThAI PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities									
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road			
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning	Existing	Planning
081303		Wang Mai Khon	41	Jan Tharophat	141	584.2	911.6	S	A	P		R	1048		
081506		Khlong Yan	55	Phai Talom	181	597.3	925.6	S	A	C				*ST 11010	
081507	Pong Makham			191	595.2	922.6	S	A	-					ST 11007	
081508	Khlong Wang Thong			171	595.0	921.0	S	A	C						ST 11007
081603		Muang Ban Yom	29	Sawa	93	590.6	917.9	17.0	A	C		R	101		

TABLE F-7 LIST OF PROJECT FACILITIES IN KAMPHAENG PHET PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities									
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road			
						X	Y	S. Ratio	P. Rank	Existing	Planning	Existing	Planning		
010201	Muang	Kho Sampi	10	Tha Khun	140	534.0	843.8	S	A	C			Others		
010202				Nong Dam	89	529.0	834.1	S	D	C			R 1109		
010203				Khlong Muang	21	536.7	840.0	47.3	C		P, C, W		R 1		
010205				Kho Sampi	147	530.7	844.3	S	A		C, P		R 1		
010206				Ban Rai Lampang	58	527.1	838.3	0.0	C		C, W		R 1109		
010207				Nong Vouy Dum	112	537.5	840.5	S	A		-		Others		
010208				Khao Ta Pho	52	529.8	837.2	S	C		C		R 1109		
010210				Lo Kho	12	515.5	818.2	57.4	D		C		Others		
010401				Trai Trung	37	Wang Phra That	99	562.0	810.5	0.0	A		-		R 1084
010410						Thung Cha Leang	149	559.0	805.3	0.0	A		-		KP 11013
010414	Dong Tha Cham	75	557.0			804.5	0.0	A		-		KP 11013			
010415	Nong Loang	244	564.9			803.3	0.0	A		C		R 1			
010419	Trup Plu	125	566.0			804.5	S	A		C		R 1			
010607	Nakorn Chum	47	Thung Suan	108	547.5	823.3	64.7	A	P			Others			
010613			Khlong Mae Lai Nua	227	553.6	817.5	36.5	C		C, W		R 1			
010701	Na Bo Khum	8	Na Bo Khum	7	542.5	816.5	S	C		-		R 1116			
010705			Mae Na Ree	141	540.2	814.5	S	C		C		KP 11012			
010706			Pang Kha Nun	210	528.5	819.7	23.7	D		W		Others			
010707			Sri Krai Lad	1	541.5	819.5	S	C		-		Others			
010709			Khao Wang Yaum	14	538.7	819.7	50.0	D		C		Others			
011003	Lam Dong Mai	4	The Mai Gang	80	545.8	839.2	62.5	A		-		KP 11003			
011004			Kho Num Jone	93	544.5	839.8	0.0	A		-		Others			
011005			Lan Hin	5	550.1	839.2	S	A		-		Others			
011212	Nong Pling	57	558.5	828.0	S	A			R, C		R 101				
011401	Trong Tam	26	Rai Tai	62	550.0	827.0	S	A		C		R 1			
011405			Khlong Luk	223	542.3	827.4	S	C		-		*WK-1			
011406			Wang Num Yen	85	545.6	827.7	S	C		C		KP 11501			

TABLE F-7 LIST OF PROJECT FACILITIES IN KAMPHAENG PHET PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban			Facilities						
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road	
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning
011407				Sai Yoi	79	543.2	825.5	S	C	P,C		R	KP 11501
011408				Suk Thong Pattana	111	550.5	830.6	S	A	C		R	KP 11501
011502													
011504				Tha Sao Kradong	42	557.7	810.0	S	A	-		R	*KP 11037
011506			13	Dong Ma Khang	39	553.0	808.0	18.7	A	-	*WK-7	R	*KP 11037
011507				Nong Kra Prao	29	554.2	805.7	S	A	-		R	KP 11505
011509				Sunti Sook	81	546.7	803.3	66.7	C	-		R	*KP 11037
011510				Sunti Sook Tai	199	548.2	802.0	58.0	C	C		R	*KP 11037
011511				Khlong Ra Bae	87	552.0	814.6	0.0	A	-		R	*KP 11037
011512				Nong Kham	143	550.3	804.0	37.4	C	-		R	*KP 11037
011514				Dan Thong Cha Rearn	33	545.3	812.3	64.5	C	C		R	KP 11505
011515				Thung Roung Thong	146	546.6	800.6	0.0	D	C		R	*KP 11037
011516				Moa Sum Ran	113	551.1	808.8	S	C	-		R	*KP 11037
011517				Pak Cang Nai	16	556.8	813.5	60.2	A	C		R	*KP 11037
011604				Nong Yoi	78	550.4	805.6	S	C	-	*WK-7	R	*KP 11037
011605												R	KP 11506
011606				Neang Ghruad	150	549.4	829.3	S	A	P		R	KP 11506
011607				Den Wha	233	543.5	836.5	S	A	P		R	KP 11506
011706				Nam Dip	127	555.2	832.5	60.2	A	-		R	KP 11506
011709				Ban Khlong Khla	2	544.3	838.2	41.3	A	-		R	KP 11506
011710												R	KP 11506
011706				Hong Thong Cha Rearn	68	580.5	809.5	0.0	A	C		Others	KP 11505
011707				Mai Rid Cha Rearn	176	579.5	808.0	51.4	A	C		Others	KP 11505
011708				Nong Fook	19	573.8	811.8	S	A	C,P		Others	KP 11505
011709				Plong Thong Pattana	24	573.7	809.8	0.0	A	C		Others	KP 11505
011710				Nong Plong Pattana	91	572.0	809.2	19.6	A	C		Others	KP 11505
011801													KP 11505
011803				Moa Sung	103	544.3	801.2	25.7	C	-			KP 11505
011805				Chai Prueg	162	543.2	800.3	58.9	C	-			KP 11505
011807				Nong Ya Muang	167	543.3	799.3	S	C	P			KP 11505
011808				Khlong Yai	32	540.5	798.5	9.3	C	C			KP 11505
011809				Nong Yai	119	541.6	799.5	S	C	P			KP 11505
011809				Khlong Yai Tai	82	541.9	798.5	9.1	C	C			KP 11505

TABLE F-7 LIST OF PROJECT FACILITIES IN KAMPHAENG PHET PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities								
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road		
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning	
011810				Dong Dum	98	541.6	800.2	S	C	-		R	1117	KP 11505
011811				Khao Ghacy	221	541.7	801.5	38.3	C	P				
011813				Moa Ma Non	38	543.4	801.3	16.4	C	C				KP 11505
011903		Tha Khun Ram	14	Tha Dua Ook	124	550.5	820.5	55.6	A	-		R	1	
011909				Khao Num Phet	62	542.6	811.2	12.2	C	P		KP	11012	
012001		Phet Chom Pu	33	Wang Chom Pu	184	540.8	831.5	46.2	C	C		R	1	
012002				Kho Rak Sead	94	534.7	838.7	28.6	C	C		R	1	
012003				Moa Seuo Du	10	538.1	828.2	S	D	P,W				KP 11501
012004				Khlong Teug	204	544.2	829.5	19.7	C	-				KP 11501
012005				Lai Pra Da	95	538.5	837.8	S	A	-		R	1	
012006				Mai Pattana	224			S	A	-				
020203	Khanuworalak Buri	Khlong Phai	30	Nong Teng	183	572.0	780.0	0.0	A	C		R	1	
020204				Nong Ngu Hao	107	572.5	782.5	0.0	A	C		R	1242	
020207				Dan Kruat	130	566.2	781.5	S	A	C,W		Others		
020209				Wang Nam Pu	203	562.2	781.0	S	A	C				KP 11510
020211				Nong Mok	118	575.5	780.0	S	A	O		R	1	
020212				Wang Pong	22	560.5	780.2	S	C	W				KP 11510
020404		Bo Tham	15	Nong Luom	153	578.3	761.9	49.8	C	P		R	1112	
020405				Ban Rai Paivan	199	576.9	762.7	46.8	C	C		R	1112	
020406				Nong Yang	77	567.5	764.5	43.6	C	P		R	1112	
020407				Bo Khra Bak	19	576.8	760.5	S	C	C		R	1112	
020408				Khlong Khra That	41	556.5	761.9	67.1	C	C,P		R	1112	
020410				Noen Yang Ngam	71	561.5	763.0	52.5	C	C,P		R	1112	
020411				Pong Sang	105	582.0	761.3	35.0	C	P		Others		
020502		Yang Soong	20	Hua Salao	43	590.5	778.8	9.6	A	-		R	1084	
020506				Bung Po Daeng	186	594.5	781.0	S	A	R		R	1074	
020508				Nong Chai Kloi	84	591.5	782.0	49.4	A	W		R	1084	

TABLE F-7 LIST OF PROJECT FACILITIES IN KAMPHAENG PHET PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities									
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road			
						X	Y	S. Ratio	P. Rank	Existing	Planning	Existing	Planning		
020603		Ra Han	34	Thung Sa Nun	165	601.5	785.8	S	A	C				KP 11016	
020604	Nong Fic			197	602.2	788.3	S	A	C					KP 11016	
020605	Kho Plong			59	604.3	789.7	S	A	C					KP 11029	
020608	Sam Kha			124	601.0	791.0	S	D	C					KP 11507	
020611	Beug Lad			159	594.3	783.2	S	A	C				R 1074		
020703		Sa Lok Bat	19	Nong Poe Dang	104	589.0	766.5	31.7	A	C,P				R 1	
020704	Wang Salak Phra			53	591.0	768.8	S	A	C,P					R 1	
020706				Rung Tai	156	581.5	770.0	12.1	A	C				R 1	
020806		Pae Dut Sa	35	Nong Kra Toom	63	600.9	782.3	0.0	A	W				R 1074	
020807	Wang Reang			122	599.0	774.8	0.0	D	W				Others		
020811				Beug Sa Mak Kee	229	599.0	784.8	65.3	A	W				R 1074	
020901		Wang Cha Oan	22	Wang Wat	60	611.3	786.0	50.0	A	C				KP 11029	
020909				Wang Peug	157	601.0	794.0	50.0	A	C,W					KP 11507
021002		Wang Cha Plu	60	Sun Noen Din Dawg	250	572.5	771.7	67.1	A	C				KP 11021	
021003				Nong Pling	200	577.2	770.5	64.9	A	-					KP 11024
021004				Nong Pa Bac	257	572.2	773.0	69.0	A	C					KP 11021
021005				Wang Nam Suem	226	578.5	773.0	65.7	A	-					KP 11024
021006				Ban Rai Don Thang	258	575.5	773.3	4.7	A	C					KP 11021
021007				Wang Cha Plu	255	570.0	774.0	30.2	A	-					KP 11510
021008				Wang Chai Ngam	253	566.4	773.6	41.9	C	C,P					KP 11510
021011				Wang Nam Von	251	571.5	774.5	27.1	A	C					KP 11510
021012				Ban Mai Thrup Jarean	247	574.2	772.5	20.2	A	-					KP 11021
021013				Mai Din Dang	248	575.4	771.0	S	A	-					KP 11021
021014		Nong Chum Sang	220	567.0	774.8	69.9	A	C					KP 11510		
021102		Pang Ma Kha	41	Prong Thae	173	561.5	760.0	59.7	C	C				R 1112	
021104				Tha Ta Yoo	230	555.6	760.9	S	C	-					R 1112
021106				Kho Khaei	65	542.0	760.5	16.4	D	P					KP 11025

TABLE F-7 LIST OF PROJECT FACILITIES IN KAMPHAENG PHET PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities							
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road	
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning
021107				Khao Chon Gun	47	553.0	759.4	48.4	C	-	-	R 1072	
021108				Nong Sang	138	556.5	761.5	25.0	C	-	-	R 1112	
021109				Nong Nam Dang	235	555.0	765.0	40.5	C	-	-	R 1112	
021110				Wang Nam Pattana	211	552.0	767.0	42.3	C	C	WK-17		KP 11025
021111				Mo Shom Boon	218	544.0	760.6	47.8	D	P		R 1072	
021112				Cang Hin Piewng	69	552.7	762.5	43.0	C	C		R 1112	
021113				Sa Mak Kee Thum	169	555.5	758.5	13.0	C	-		R 1112	
021114				Bo Hin	128	554.6	763.5	17.3	C	G	WK-17	R 1112	
021202			44	Nong Cha An	194	567.2	778.0	58.3	A	C		Others	KP 11509
021203				Khao Pring	66	563.0	778.5	38.1	A	P,C		Others	
021204				Wang Loem	243	569.2	776.3	S	A	C			
021205				Fit Mas Pattana	94	564.5	777.0	27.4	A	C,P			KP 11509
021206				Wang Hao Hwan	209	563.5	780.0	S	A	C	WK-15		KP 11509
021207				Nong Plong	214	567.0	775.8	13.7	A	C			KP 11509
021208				Nong Chang Ngam	103	564.9	778.6	S	A	-			KP 11509
021305			5	Don Khaen	70	585.3	780.7	47.6	A	-		R 1	
021306				Khok Sa Dad	45	585.6	779.2	S	A	-		R 1	
021308				Nong Kham	27	581.3	780.6	S	A	C		R 1	
021404			58	Chon Khet Pattana	232	607.5	805.5	30.8	A				KP 11016
030107	Khlong Khilung	Khlong Khilung	26	Khlong Nam Yen Nua	113	577.2	784.3	S	A	C		R 1	
030303			16	Non Ma Khok	61	578.8	799.5	31.9	A	C,P	*WK-11	R 1084	
030305		Tha Ma Khoa		Wang Nam Dang	132	581.8	799.5	61.9	C	-		Others	
030406		Wang Kham	50	Sarn Jao Mae	202	586.3	785.3	S	C	-		R 1084	
030407				Rai Mai	178	588.0	787.0	S	C	C		R 1084	
030503		Wang Sai	39	Sam Reun	186	564.0	799.5	S	C	C,W,G		KP 11013	

TABLE F-7 LIST OF PROJECT FACILITIES IN KAMPHAENG PHET PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities					
		Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road	
				X	Y	S.Ratio	P.Rank	Existing	Planning		
030505				571.0	792.7	212	57.7	C	C	KP 11020	
030507				572.5	791.5	155	S	C	-	KP 11020	KP 11509
030508				569.5	790.5	100	S	C	W		KP 11509
030509				567.5	788.2	145	S	C	W		
030510				555.2	792.7	117	S	C	G,C	KP 11030	
030512						191	23.2	A	G	KP 11030	
030513				560.5	792.5	83	S	A	G		
030601				581.6	791.3	238	10.9	A	C	R 1084	
030606		Wang Yang	59	585.5	794.0	245	S	A	C	R 1084	
030704				570.7	796.0	163	37.0	A	C	R 1	
030705		Hao Tha Non	36	566.0	798.2	125	59.4	A	C	KP 11013	
030904				590.8	798.8	81	12.2	A	C	R 1280	KP 11015
030905		Thung Sray	23	591.0	801.0	36	67.7	A	C	Others	
030909				586.5	806.0	174	S	A	-		
030912						135	0.0	A	P		
031001				567.0	782.8	88	S	A	R	R 1242	
031002		Pho Thong	33	569.1	785.3	188	0.0	A	-	R 1242	
031006				568.0	782.5	170	21.8	C	C	Others	
031007				562.5	787.0	121	S	A	-	KP 11013	
031008				564.5	784.0	148	0.0	A	-	R 1242	
031009				566.5	785.5	74	S	A	C,P	KP 11013	KP 11509
031010				560.7	783.0	152	S	A	C		
031101				541.1	774.1	67	S	C	C,G	R 1072	KP 11508
031102		Pang Ta Wi	2	541.5	772.0	13	S	C	C		KP 11508
031103				537.8	773.0	109	30.8	C	C		KP 11508
031105				537.5	770.5	18	S	C	C		KP 11508
031106				536.3	775.1	8	S	C	C	DK-3	KP 11508

TABLE F-7 LIST OF PROJECT FACILITIES IN KAMPHAENG PHET PROVINCE

NESDB Code No.	Amphoe	Tambon		Priority Rank		Name	Muban		Coordinate		Drinking Water		Facilities			Road	
		Name	Priority Rank	X	Y		S.Ratio	P.Rank	Irrigation		Existing	Planning	Existing	Planning	Existing	Planning	
									Existing	Planning							
031302		Thung Thong	32	591.7	807.0	Non Sa Wan	131	591.7	807.0	A	65.4	-	-	-	Others		
031303				593.0	805.2	Khlong Thon Thrai	75	593.0	805.2	A	0.0	W			Others		
031304				592.3	806.3	Khlong Sook Jai	196	592.3	806.3	A	11.5	-			Others		
031306				595.8	807.7	Thung Thong	102	595.8	807.7	A	S	C			Others		
031307				600.0	808.3	Dong Cha Rean	164	600.0	808.3	A	S	C,P			Others		
031309						Ubol Sa Mak Kee	133			A	S	-					
031402		Tha Von Pattana	7	597.2	796.8	Tha Non Yai	76	597.2	796.8	A	21.3	-			R 1280	KP 11507	
031403				591.8	798.3	Chum Nak	64	591.8	798.3	A	66.1	C					
031404				595.3	798.5	Khlong Rua	72	595.3	798.5	A	0.0	C		WK-9		KP 11507	
031405				594.7	800.5	Tha Non Noi	51	594.7	800.5	A	S	-		WK-10		KP 11507	
031406				599.5	801.0	Thrup Vang	57	599.5	801.0	A	S	-				KP 11015	
031502		Hin Dard	43	548.8	784.8	Mo Cha Rean	189	548.8	784.8	C	37.3	C			KP 11030		
031505						Mai Chieang Rai	216			C	S	C					
031506				556.6	779.2	Nong Hin	198	556.6	779.2	C	0.0	C		WK-16	R 1242		
031507				554.7	779.6	Nong Sung Ghasri	33	554.7	779.6	C	S	C			R 1242		
031509				548.7	787.3	Sub Yai	171	548.7	787.3	C	S	G			Others		
031601		Wang Boa	11	581.7	805.7	Pae Heang	11	581.7	805.7	A	48.8	P,C				KP 11506	
031607				580.8	801.7	Sam Yak	169	580.8	801.7	A	S	-				KP 11506	
031701		Khlong Somboon	29	562.7	800.5	Nong Pruee	126	562.7	800.5	A	28.3	G			KP 11013		
031703				557.2	793.3	Nong Pak Nham	213	557.2	793.3	C	11.5	C			KP 11030		
031704				562.6	797.1	Khlong Som Boon	4	562.6	797.1	A	60.0	C			KP 11013		
031705				559.1	801.5	Dong Phra Chan	213	559.1	801.5	A	60.8	G			KP 11013		
031706				559.5	798.0	Sum Rid	193	559.5	798.0	A	S	C			KP 11013		
031707				566.2	801.0	Tha Khame	180	566.2	801.0	A	S	C			KP 11013		
031708				565.1	797.8	Teen Dong	9	565.1	797.8	A	34.5	W			KP 11013		
040112	Phran Kratai	Phran Kratai	24	561.6	846.6	Nong Ta Gla	46	561.6	846.6	C	S	-		*WK-3	R 101		
040113				556.0	838.8	Khao Ni Yom	177	556.0	838.8	C	S	C		DK-2	R 101		

TABLE F-7 LIST OF PROJECT FACILITIES IN KAMPHAENG PHET PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities								
		Name	Priority Rank	Name	Priority Rank	Drinking Water		Irrigation		Road				
						X	Y	S. Ratio	P. Rank		Existing	Planning	Existing	Planning
040114				Mai Pho Pattana	40		557.3	848.7	S	C	C	R	1132	
040116				Nong Rang	161		559.2	839.7	S	C	P	R	101	
040204	Khao Keeris	18		Wang Pan	54		564.5	831.2	S	A	C,P	Others		KP 11031
040206				Don Kha Min	56		568.4	836.2	S	C	C			KP 11031
040213				Khuy Po Khaon	192		566.2	834.2	31.3	C	-			
040301	Khui Ban Oang	48		Beung Phi Krai	228		576.8	844.3	55.4	C	C	R	1065	KP 11502
040302				Rai Dong	237		573.7	841.0	28.0	C	-			
040303				Khuy Pom	144		570.8	843.7	50.5	C	C,P			KP 11004
040305				Khuy Khaen	92		569.3	839.2	S	C	C			KP 11004
040310				Khuy Ta Kha	123		572.9	839.7	S	C	C	R	1065	
040311				Dong Chaom	101		574.9	841.9	S	C	-	R	1065	
040315				Khlong Phi Krai	242		578.2	842.5	24.2	A	C			KP 11502
040501	Tha Mai	1		Samo khon	15		548.5	852.7	50.0	C	C	KP	11002	
040502				Khlong Mae Raga	23		551.5	849.5	S	C	C,P	R	1132	
040506				Nam Dip Ma Praw	65		549.6	856.7	S	C	C,P	KP	11002	
040510				Khlong Song Gran	48		549.1	847.9	S	C	C	R	1132	
040703	Wang Khowing	12		Na Nok	139		546.4	852.5	S	C	C,P	R	1132	
040706				Khuy Ma Nong Hom	30		545.3	852.2	S	C	C,P	R	1132	
040707				Lan Thong	86		540.9	857.1	S	C	C	R	1132	
040708				Nong Seao	120		542.0	848.0	S	C	C,P,W	KP	11003	
040710				Nong Srui	25		546.3	856.3	S	C	C	R	1132	
040807	Wang Tabak	21		Khuy Pradoo	3		570.4	849.4	S	C	C,P	R	101	KP 11502
040808				Nong Kham	151		576.8	846.8	S	C	C,P			KP 11502
040809				Nong Sri Phirat	205		575.0	846.3	S	C	C			KP 11502
040902	Nong Hao Voem	3		Khlong Hoy Yong	114		568.0	849.2	S	C	C,P	KP	11032	
040904				Bang Lad	44		561.8	854.0	S	C	P,C,R	KP	11032	
040906				Bo Pha	26		565.5	845.7	S	C	C	KP	11032	

TABLE F-7 LIST OF PROJECT FACILITIES IN KAMPHAENG PHET PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities							
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road	
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning
040909				Lan Phi	50	561.2	857.5	24.2	C	P, C		KP 11032	
040910				Dog Khem	37	567.2	852.3	S	C	-		KP 11032	
040911				Nam Kho	34	564.5	852.0	S	C	-		KP 11032	
040913				Tha Ma Peung	35	562.7	856.0	S	C	P, C		KP 11032	
040914				Lan Chang Toa	46	565.7	853.3	41.1	C	C		KP 11032	
040915				Khlong Kha Non	20	562.0	852.5	46.7	C	C	*WK- 2	KP 11032	
050102	Sai Ngam	Sai Ngam	52	Noen Samran	175	596.5	821.5	S	A	-			*KP 11009
050108				Khaom Chai Mongkol	256	598.0	819.0	17.6	A	-			*KP 11009
050109				Tam Sadao	166	597.8	824.2	46.9	A	C		R 115	
050201				Nong Khla	187	589.5	821.0	0.0	A	-		R 115	
050203		Nong Khla	45	Mae Boa	181	583.0	820.0	0.0	A	C		R 115	
050205				Mai Cha Rean Porn	128	586.0	817.2	0.0	A	-		R 1280	
050303				Jig Khun Som	160	578.0	818.0	S	A	C		Others	KP 11506
050305				Lan Khrode	182	579.8	811.7	8.3	A	-		Others	KP 11506
050308				Se Lung	240	577.0	813.0	S	A	C		Others	KP 11506
050309				Somboon Pattana	246	583.6	813.7	S	A	-		Others	KP 11506
050402		Nong Mai Kong	56	Sok Khee	222	603.5	819.8	52.6	A	-			KP 11010
050503				Khaom Suman	211	587.3	824.5	S	A	C		R 1278	
050504		Maha Chai	51	Huai Noi	134	590.3	825.7	43.8	A	C		R 1278	
050505				Huai Yai	207	588.5	827.7	54.5	A	C, W		R 1278	
050506				Nong Oem	249	589.0	826.0	S	A	C, W		R 1278	
050604		Pan Thong	28	Khlong Charean	85	591.8	809.2	11.7	A	-			KP 11017
050606				Rai Na Khuan	154	592.2	812.7	0.0	A	-			KP 11017
050703				Nong Peuntake	187	596.5	815.5	49.0	A	C			*KP 11011
050705		Nong Mae Tang	49	Tho Rung	121	600.8	813.5	S	A	C			KP 11017

TABLE F-7 LIST OF PROJECT FACILITIES IN KAMPHAENG PHET PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities											
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road					
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning				
050709				Pai Tasoom	215	596.8	817.5	S	A	C				*KP 11011			
060101	Khlong Lan	Khlong Nam Lai	46	Khlong Nam Lai Nua	73	533.2	791.5	0.0	C	C,R,P				*KP 11027			
060102				Khlong Nam Lat	110	534.0	790.4	S	C	C,C					*KP 11027		
060103				Mae Sod	90	532.5	792.5	17.3	C	W,C,G					*KP 11027		
060105				Mai Charean Suk	241	538.8	794.2	36.0	C	C	WK-12	R 1117					
060107				Khlong Yai Tai	231	540.2	793.0	2.6	C	C,P					*KP 11037		
060110				Mosed Thee	147	534.9	793.3	11.9	C	C	WK-14	R 1117					
060111				Khlong Pin Tho	172	535.5	795.0	15.3	C	C,P							
060112				Thung Ya Kha	190	538.9	792.1	S	C	C	WK-12	R 1117			*KP 11037		
060113				Khlong Hao Hwan	239	541.8	790.4	S	C	-						*KP 11037	
060202							Pong Nam Ron	17	531.5	805.5	S	C	C,P				
060203							Khlong Mod Dang	6	525.0	816.5	S	D	C				
060208				Phet Ni Yom	31	531.9	804.1	S	C	C,R,P				KP 11012			
060209				Khlong Somboon	55	532.5	809.0	S	C	C	*WK-6			Others			
060210				Sak Ngam	116	534.5	805.6	S	D	C				KP 11012			
060212				Tha Krabak	96	535.0	806.0	S	C	C				KP 11012			
060214				Pang Lub Lae	129	530.5	812.8	S	C	C,P				Others			
060301				Khlong Lan	44	535.0	781.5	10.8	C	C	*WK-19			*KP 11022			
060303				Khlong Nam Lat Tai	195	540.5	781.8	32.9	C	C,P				*KP 11022			
060304				Pak Khlong Lan	47	541.1	779.6	17.5	C	C				*KP 11022			
060305				Tha Kham Samak Kee	219	539.5	787.2	63.0	C	C				*KP 11022			
060306				Leng Kra Pong	137	537.5	786.0	30.9	C	C				R 1117			
060307				Ban Mai	171	539.0	789.0	S	C	C				Others			
060308				Piang Se	28	534.2	778.5	36.4	C	C				R 1117			
060309				Khlong Teoy	36	536.5	793.0	51.8	C	C	WK-14			R 1117			
060310				Tha Lay Pattana	252	539.4	784.7	S	C	C				R 1117			
060317				Khlong Pia La	168	544.5	783.3	53.7	C	C				KP 11030			

TABLE F-7 LIST OF PROJECT FACILITIES IN KAMPHAENG PHET PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities							
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road	
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning
070306	Lan Krabu	Nong Lhong	40	Mia Sa Mak Kee	136	588.8	842.8	42.9	A	C		R	KP 11001
Nong Mai Dang				115	584.0	840.2	0.0	A	C		R	KP 11001	
Ban Sukabeth Samak Kee				208	586.8	840.7	S	A	C				
070404		Nong Plong	55	Kho Rak Sead	234	593.5	831.5	18.5	A	W		R	1278
Khuy Ma Moung				236	591.5	830.2	11.0	A	-		R	1278	
Ban Boa Sawan				185	591.0	832.0	31.3	A	C		R	1278	
070501		Chong Lom	38	Chaong Lom	158	604.3	831.9	67.0	A	C			KP 11504
070502				Geb Ghason	100	596.8	831.9	S	A	C			KP 11504
070504				Preo Pun Tai	106	600.5	831.3	62.5	A	C			KP 11504
070505				Wang Yang	217	595.5	834.5	19.0	A	C			KP 11504
070601				Den Phrap	179	595.5	842.0	S	A	C			KP 11503
070602	Beug Thub Rad	42	Nong Tha Mai	201	594.5	846.7	42.6	A	C			KP 11503	
070603			Beug Thub Rad	206	592.1	846.0	55.7	A	C			KP 11503	
070607			Pra Doo Ngam	49	595.5	844.1	S	A	C			KP 11503	
070705	Pra Chasuk San	54	Nong Grod	254	605.3	828.5	29.2	A	C			KP 11504	
070706			Kho Plong	225	600.3	827.8	39.7	A	C			KP 11504	
070709			Nong Pla Lat	159	601.4	826.8	62.5	A	C			KP 11504	

TABLE F-7 LIST OF PROJECT FACILITIES IN KAMPHAENG PHET PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban			Facilities				Road														
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Existing	Planning												
						X	Y	S. Ratio	P. Rank	Existing	Planning														
010508	Muang	Chieng Tong	14	Khlong Chung Tong Wang Tamlung Dong Chon Phet Chomphu Den Kha Pa Phung	72	518.5	855.0	68.4	A	W	*DT-1	R 1110	1												
010509														100	518.2	846.6	0.0	C	W,P	R 1110					
010510														119	526.7	842.9	S	C	C	R 1110					
010512														83	513.2	846.5	48.1	C	C,R	R 1118					
010515														167	524.4	842.4	64.4	C	C	R 1110					
010516														56	526.7	841.4	29.4	C	C,G	R 1110					
010704														Pa Ma Muang	32	Nong Khaem	158	508.0	861.3	0.0	D	C,W,P			TK 11036
010803														Pong Dang	33	Nong Nok Peek Kra Ta Luk Pa Tan Ta Luk Ma Kam Nam Dip Klung Plong Ta Kha Dong Chat Kom Ta Luk Khaem	154	527.4	893.9	S	D	C,R,P			TK 11007
010805																	168	529.5	877.3	S	D	P	R 1111		
010807																	173	530.5	889.3	S	D	P		TK 11039	
010807	198	527.3	869.9	S	D	C,R		TK 11023																	
010809	84	513.3	893.8	S	C	C,P		R 1111																	
010810	179	530.3	883.4	S	D	C,P		R 1111																	
010811	155	530.5	879.4	S	D	C,P		R 1111																	
010905	Mae Tho	8	Huai Luang Musoe Maeo Mai Ri So	95	502.4	836.2	0.0	B	C			R 105													
010906				94	493.6	852.4	S	D	C		R 105														
010907				59	496.4	847.0	0.0	D	C		R 105														
010910				62	493.7	853.2	S	D	G		R 105														
011008	Mai Ngam	38	Sam Rai	171	517.5	878.4	S	D	P			TK 11013													
011109	Wang Hin	26	Lan Khwang	132	516.2	863.5	47.6	A	C			R 104													
011205	Nong Bua Tai	47	Tha Le	206	506.2	854.5	24.7	C	C,P			R 1118													
011306	Nong Bua Nua	29	Tha Taku	145	508.4	873.0	S	A	C,W,P			Others													
011401	Wang Prajob	42	Wang Pra Job Nong Rom Nam Dip	180	535.5	869.1	S	D	C,P			R 12													
011405				191	539.1	860.9	S	D	C,P		R 1132														
011406				197	540.8	870.3	0.0	D	-		R 12														

TABLE F-7 LIST OF PROJECT FACILITIES IN TAK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities						Road		
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation				
						X	Y	S. Ratio	P. Rank	Existing	Planning		Existing	Planning
011407				Pong Kae	152	542.5	870.6	S	D	P		R	12	
011408				Nong Sua	137	546.0	875.2	S	D	P		R	12	
011410				Lan Lang	188	539.6	859.5	S	D	C	WT-8	R	1132	
011501				Sa Ta Lung	136	522.7	863.4	38.7	D	P				*TK 11014
011502			28	Chaba	170	524.5	864.2	41.9	D	C,P	WT-7			*TK 11014
011503				Noen Marun	148	525.5	863.9	61.4	D	P	WT-7			*TK 11014
011504				Phaileso	141	528.3	867.3	57.9	D	P		R	12	
011506				Nong Phama	104	521.3	865.1	49.2	D	C		R	12	
011507				Map Pa Fac	140	526.5	861.8	40.8	D	P				*TK 11014
011607			21	Noen Ma Khuk	122	523.7	868.0	S	D	-		R	12	
020103	Tha Song Yang		16	Mae U Su	108	513.2	812.8	S	B	C	*WT-15	R	1085	
020104				Mae U Su	99	513.2	813.7	S	B	C	*WT-15	R	1085	
020105				Mae U Su	93	512.4	812.8	S	B	C	*WT-15	R	1085	
020106				Nong Bua	48	505.6	817.0	S	B	C		R	1085	
020107				Takho Bi	98	512.0	812.3	S	B	C		R	1085	
020108				Mae Song Noi	92	410.3	922.3	S	C	C				TK 11505
020109				Mo thi Tha	97	421.0	923.0	S	B	C				TK 11501
020110				Chu Khi	55	424.0	922.8	S	D	C				TK 11501
020111				To Khi	53	425.2	905.0	S	B	C		R	1085	
020112				Boe Ro Tha	126	427.7	909.1	S	D	C				TK 11501
020113				Pu Kaeng	58	426.1	904.0	S	B	C		R	1085	
020114				Huai Mae Tan	138	417.5	905.4	S	C	C		R	1085	
020115				Mae Phlu	123	407.0	920.0	S	C	C		R	1085	
020116				Mae U Hu	196	423.8	902.0	S	B	C		R	1085	
020202			1	Mae Tun	47	383.6	946.8	S	C	C				TK 11034
020203				Bu Ku Tu	42	379.2	954.0	S	B	C				TK 11034
020204				Mae Maei	5	371.4	959.5	S	C	C				TK 11034
020205				Khum Mae Woei	8	371.4	960.2	S	C	C				TK 11034

TABLE F-7 LIST OF PROJECT FACILITIES IN TAK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities								
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road		
						X	Y	S. Ratio	P. Rank	Existing	Planning	Existing	Planning	
020206				Mae La Na	14	376.0	956.8	S	B	C		R	1085	TK 11034
020207				Mae Um Ya	3	392.8	936.6	S	C	C		R	1085	TK 11034
020208				So Khrae Ka	31	381.8	954.2	0.0	B	C		R	1085	
020209				Pha Thong	9	387.0	955.8	S	B	C		R	1085	
020210				Mae Wa Luang	19	388.5	971.2	0.0	B	C		R	1085	
020211				Mae U Ki	11	390.3	963.2	S	B	C		R	1085	
020212				Bo Ma	15	381.4	951.7	S	B	C		R	1085	TK 11034
020213				Mae Lo Yo Ki	32	389.5	943.0	S	C	C		R	1085	
020214				Ohm Klo Tha	16	385.9	952.5	S	C	C		R	1085	
020215				Wa Ya Jo	27	393.5	940.2	S	C	C		R	1085	
020216				Ka La Go	1	393.5	937.2	S	C	C		R	1085	
020217				Mae Cha Wang	12	388.0	942.5	S	C	C		R	1085	
020301				Mae Song	45	410.0	924.2	S	C	C		R	1085	TK 11505
020302			3	Mae Salit Luang	43	402.0	933.0	23.1	C	-		R	1085	
020303				Mae Salit Noi	13	400.7	928.2	S	C	C		R	1085	
020304				Re Wa Kho	10	414.8	923.5	S	D	C		R	1085	TK 11504
020305				Mae Kho	20	397.7	935.7	S	C	C		R	1085	TK 11504
020306				Mae Nin	33	399.0	937.7	S	C	C		R	1085	TK 11504
020307				Huai Ma Nok	85	395.2	940.3	S	C	C		R	1085	TK 11505
020308				Mae Ramoeng	61	404.6	936.6	0.0	D	C		R	1085	TK 11504
020309				Tha Phil Doe	52	416.2	929.5	57.1	D	C		R	1085	TK 11504
020310				Khoe De Khi	82	411.5	935.6	0.0	D	G		R	1085	TK 11504
020311				Bo Pro Khi	49	409.2	938.6	39.4	B	C		R	1085	TK 11504
020312				Wa De Kro	69	411.8	937.8	0.0	C	C		R	1085	TK 11504
020313				Te Bo Khi	50	409.6	938.3	S	B	C		R	1085	TK 11504
020402				Mae La Yang	199	427.5	895.0	S	B	C		R	1085	TK 11501
020403			22	Mae Ok Pha Hu	144	429.6	891.5	61.5	B	C		R	1085	TK 11501
020404				Huai Nok Kok	116	429.0	900.3	S	B	C, W		R	1085	
020405				Ka Ma Phado	169	435.8	899.4	S	D	C		R	1085	TK 11501
020406				Khun Mae La	87	433.0	900.5	S	D	C		R	1085	TK 11501
020407				Khun Huai Nok Kok	83	433.5	906.5	S	D	C		R	1085	TK 11501

TABLE F-7 LIST OF PROJECT FACILITIES IN TAK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities									
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road			
						X	Y	S. Ratio	P. Rank	Existing	Planning	Existing	Planning		
020408				Thi Chu Lo Khi	101	434.1	904.9	48.3	D	C					TK 11501
030101	Ban Tak	Tak Aok	17	Pak Rong Huai Ghi	105	408.8	882.8	54.9	D	-	R	1			
030401		Thong Fa	11	Ban Mai	119	400.3	882.8	53.3	D	C,W	R	1107			TK 11024
030405				Nai Poel	65	489.7	893.9	0.0	D	C,W					TK 11024
030406				Huai Phu	112	491.0	887.5	69.4	D	C			DT-3		
030407				Maeo Tin Tok	44	490.0	888.4	0.0	D	C	R	1175			
030508		Thung Kraso	30	Khun Huai Tak	146	490.5	887.6	S	D	C	R	1175			
030605		Mae Salit	45	Yang Ong Nam	192	511.4	897.2	0.0	C	-	R	1			
030707		Samo Khon	24	Nam Dip	139	521.5	882.8	4.2	D	C,R,P	TK	11013			
030708				Sa Thong	109	521.7	881.8	S	D	P	TK	11013			
040102	Mae Ramat	Mae Ramat	43	Huai Nok Lae	181	449.8	877.2	5.3	B	C	R	1085			
040104				Mae Ramat	161	448.2	876.2	S	B	C,W	R	1085			
040105				Mae Ramat	201	449.2	877.5	0.0	B	C	R	1085			
040109				Mae Ramat	185	448.8	877.3	0.0	B	C	R	1085			
040201		Khaen Chu	15	Nu Bo	73	449.5	891.4	32.3	D	C					TK 11507
040203				Phala	103	454.6	884.9	19.6	B	C	R	1175			
040205				Pu Liang	86	451.9	885.0	10.8	B	C	R	1175			
040206				Mong Wa	128	450.0	883.0	0.0	B	C	R	1085			
040306				Pa Koi Wa	30	466.5	880.6	0.0	D	C			*WT-2		TK 11507
040307				Doi Pek	29	461.2	874.5	0.0	B	C	TK	11016			
040311				Yang Pha	207	451.2	861.0	0.0	C	C	TK	11017			
040313				Huai Nok Lae Nua	110	451.5	876.7	0.0	C	C	TK	11003			
040401		Mae Tum	2	Huai Nam Yen	3	454.1	904.6	S	B	C					TK 11506

TABLE F-7 LIST OF PROJECT FACILITIES IN TAK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities							
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road	
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning
040402				Huai Phrachao	41	458.0	890.9	D		C			TK 11507
040403				Huai Mokham	28	457.0	892.6	S		C			TK 11507
040404				Huai Phlu	17	460.2	896.3	S		C			TK 11506
040405				Kham Wan	90	459.4	893.8	B		C			TK 11506
040406				Huai Krathing	18	460.1	893.0	S		C			TK 11506
040407				Thung Ton Ngau	4	437.5	907.7	S		C			TK 11501
040408				Huai Sina	21	450.0	896.0	S		C			TK 11507
040409				Huai Ma Ba	2	460.5	901.7	S		C			TK 11506
040410				Huai Pong	6	450.5	897.8	S		C			TK 11507
040411				Huai Ma Plow	25	460.3	899.6	D		C			TK 11506
040501				Pea Hea	76	476.0	889.1	S		C		R 1175	
040502			5	Khum Huai Mae Tho	51	479.6	892.1	D		C		R 1175	
040503				Nong Luang	24	448.0	881.8	S		C		R 1085	
040504				Samae	69	472.5	887.2	D		C		R 1175	
050404	Mae Sot	Tha Sai Lat	34	Wang Ta Khian	164	447.5	847.8	S		C,W		R 105	
050603				Pu Pae	68	476.4	861.5	B		C		TK 11005	TK 11508
050604		Phawo	4	San Mun Thung	40	467.9	875.8	S		C		TK 11005	
050605				Pang Sang Khum	36	480.5	856.6	S		C			
050608				Huai Raphring	60	477.7	847.8	S		C			TK 11503
050706				Nam Dip	200	459.2	869.0	B		C		TK 11016	
050707				Huai Bong	137	455.3	866.0	S		C		TK 11017	
050710		Mae Ka Sa	44	Ban Mai Rim Moei	193	455.0	857.0	B		C		R 1085	
050803				Huai Phak La	184	459.0	836.3	S		C		R 1090	TK 11029
050804		Mae Ku	40	Pu Toe	177	460.5	837.4	S		C			TK 11029
050805				Nong Nam Khieo	133	466.8	838.2	0.0		C			
050809				Mae Ku Mai Tha Song	205	453.6	838.8	0.0		C		TK 11019	
050810				Ko Chuai	151	463.7	836.7	S		C			TK 11029

TABLE F-7 LIST OF PROJECT FACILITIES IN TAK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban			Facilities					
		Name	Priority Rank	Name	Coordinate		Drinking Water S. Ratio	P. Rank	Irrigation		Road	
					X	Y			Existing	Planning	Existing	Planning
040402				Huai Phrachao	41	458.0	890.9	0.0	D	C		TK 11507
040403				Huai Mokham	28	457.0	892.6	S	D	C		TK 11507
040404				Huai Phlu	17	460.2	896.3	S	B	C		TK 11506
040405				Kham Wan	90	459.4	893.8	40.9	B	C		TK 11506
040406				Huai Krathing	18	460.1	893.0	S	B	C		TK 11506
040407				Thung Ton Ngai	4	437.5	907.7	S	D	C		TK 11501
040408				Huai Sina	21	450.0	896.0	S	D	C		TK 11507
040409				Huai Ma Ba	2	460.5	901.7	S	D	C		TK 11506
040410				Huai Pong	6	450.5	897.8	S	D	C		TK 11507
040411				Huai Ma Plow	25	460.3	899.6	43.9	D	C		TK 11506
040501				Pea Hea	76	476.0	889.1	S	D	C	R 1175	
040502			5	Khun Huai Mae Tho	51	479.6	892.1	17.8	D	C	R 1175	
040503				Nong Luang	24	448.0	881.8	S	B	C	R 1085	
040504				Samae	69	472.5	887.2	65.4	D	C	R 1175	
050404	Mae Sot	Tha Sai Lat	34	Wang Ta Khian	164	447.5	847.8	S	B	C, W	R 105	
050603				Pu Pae	68	476.4	861.5	62.1	B	C	TK 11005	TK 11508
050604		Phawo	4	Sam Mun Thung	40	467.9	875.8	S	D	C	TK 11005	
050605				Pang Sang Khan	36	480.5	856.6	S	B	C		
050608				Huai Raphring	60	477.7	847.8	S	C	C		TK 11503
050706				Nam Dip	200	459.2	869.0	32.7	B	C	TK 11016	
050707				Huai Bong	137	455.3	866.0	S	B	C	TK 11017	
050710		Mae Ka Sa	44	Ban Mai Rim Moei	193	455.0	857.0	45.8	B	C	R 1085	
050803				Huai Phak La	184	459.0	836.3	S	B	C	R 1090	TK 11029
050804		Mae Ku	40	Pu Toe	177	460.5	837.4	S	B	C		TK 11029
050805				Nong Nam Khieo	133	466.8	838.2	0.0	B	C		
050809				Mae Ku Mai Tha Song	205	453.6	838.8	0.0	B	C	TK 11019	
050810				Ko Chuai	151	463.7	836.7	S	B	C		TK 11029

TABLE F-7 LIST OF PROJECT FACILITIES IN TAK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities							
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road	
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning
050904		Mae Tho	46	Mae Tao San Pae	203	453.2	844.2	S	B	C		TK 11018	TK 11030
050906				Don Chai	183	455.8	847.8	19.5	B	C			
051005		Mae Pa	36	Huai Mae Pa	131	449.8	853.0	59.6	B	C,P		TK 11001	
051008				Mae Pa Ban San	189	454.8	851.0	60.3	B	C,R,P		R 1085	
051101		Maha Wan	27	Maha Wan	182	456.7	833.8	38.2	B	C	DT-3	TK 11019	
051103				Mon Hin Lek Fai	150	465.5	813.8	33.6	B	C,G		R 1090	
051106				Chedi Kho	172	469.0	829.2	11.7	B	C,G		R 1090	
051108				Huai Nam Khun	111	459.9	832.6	S	B	C	DT-3	TK 11019	
051109				Huai Maho Wong	135	456.8	833.2	60.7	B	C	DT-3	TK 11019	
051110				Chedi Kho Nee	91	468.7	829.8	S	B	C	WT-9	R 1090	
051202		Dan Mae Lamao	7	Pang Sam	128	476.5	856.8	S	B	C,W	WT-6	TK 11005	
051205				Khun Huai Son Doi	79	490.6	852.3	S	D	C		R 105	
051206				Khun Huai Chang Li	23	475.0	858.7	S	B	C		TK 11005	TK 11503
051207				Thong Chai	7	492.2	834.5	S	D	C			
051305		Buddha Relics Pha	10	Thum Sue	54	466.2	850.0	S	C	C		R 105	
051306				Khun Huai Mae Sok	114	464.4	848.3	S	C	C		R 105	
060201	Sam Ngao	Ban Na	19	Um Wap	118	462.6	917.5	0.0	C	C		Others	
060202				Na Hoi	77	465.2	914.4	S	D	C		R 1099	
060203				Hin Lat	80	464.0	912.8	S	D	C		R 1099	
060204				Samong	143	480.9	920.9	0.0	D	C,R	WT-1		TK 11509
060205				San Pa Puai	142	485.3	906.5	0.0	C	C,R			TK 11509
060404		Yan Re	35	Nong Sano	166	503.7	903.6	46.7	C	-		R 1107	
060605		Wang Jam	23	Dong Lan	120	513.6	906.2	S	C	C,W	WT-4	R 1	
060606				Dong Sam Sip	111	515.3	904.5	S	C	C	WT-4	TK 11023	

TABLE F-7 LIST OF PROJECT FACILITIES IN TAK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities														
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road								
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning							
060608				We Suk	159															
060609				San Ti	106		904.2	518.2		S	C									TK 11023
060701		Wang Man	31	Pak Thang Khuan	149		901.9	513.6		S	D									R 1
070102				Mae Khlong Mai	190		774.4	483.6		S	C									R 1117
070103				Kiu Hang	81		767.3	487.0		S	C									R 1090
070104				Mae Khlong Kao	186		776.3	484.0		S	D									R 1090
070105				Ya Mo Khi	66		775.4	493.8		S	C									R 1090
070106				Pae Do Tha	113		766.2	489.0		S	D									R 1090
070107				Umphang Khi	89		768.3	493.5		S	D									R 1117
070201				Nu Sa Pho	71		772.8	462.8		S	B									R 1167
070202				Klo Tho	125		772.2	464.1		S	B									R 1167
070203				Ko Tha	37		753.6	477.7		S	C									*WT-17
070204				Tha Pho Chi	26		749.8	475.0		S	D									*WT-17
070205				Kui Ta	45		744.0	464.4		S	B									R 1167
070206				Kui Loe To	61		751.7	463.2		S	B									R 1167
070207				Mong Kha	34		735.4	466.5		S	B									*WT-13
070208				Mae Jan Tha	46		734.2	468.5		S	B									R 1167
070209				Moeng Khloeng	38		770.4	456.4		S	D									R 1167
070210				Le Tong Khau	78		735.7	454.5		S	C									R 1167
070301				Pa La Tha	130		750.6	484.2		S	B									R 1090
070302				Se Fla	75		748.8	486.8		S	B									R 1090
070303				Pa Pu	70		748.8	482.0		S	B									R 1090
070304				Lamung Khi	67		752.2	483.5		0-0	B									R 1090
070305				Na Luang Chomphu	134		751.0	484.5		S	B									R 1090
070306				Be Khi	22		745.2	492.5		S	B									*WT-12
070307				Thung Na Noi	96		748.6	489.4		S	B									*WT-11
070308				Huai Poi Chag	74		746.3	488.4		S	B									*WT-11
070309				Pha Nam	39		752.2	485.7		S	B									R 1090

TABLE F-7 LIST OF PROJECT FACILITIES IN TAK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban		Facilities							
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road	
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning
070401		Mo Kro	18	Pra Pha Do	165	487.7	780.8	S	C	C		R	1090
070402				Ta Poe Phu	121	488.0	790.5	S	C	C		R	1090
070403				Mae Khlong Khi	127	492.4	793.6	S	D	C		R	1090
070404				Phu Yai Nang	107	502.1	728.0	S	B	C	WT-14	R	1090
070405				Wa Boe Tha	57	488.1	786.8	S	C	C		R	1090
070406				Jung Ghe	117	487.4	779.2	0.0	C	-		R	1090
070407				Ya Mae Khi	64	489.5	778.8	S	D	C		R	1090
070502		Nong Luang	12	Soe Tha	102	475.5	775.8	S	C	C		R	1117
070503				De Lo Khi	129	475.0	772.8	S	C	C		R	1090
070504				Wa Ce Ke	35	478.0	770.4	S	C	C		R	1090
080101	Phop Phra	Phop Phra	41	Phoe Pha Nua	187	467.6	812.6	52.5	B	C		R	1206
080102				Phoe Pha Krang	194	467.6	811.8	15.1	B	C,W		R	1206
080104				Huai Nam Nak	163	465.0	816.0	S	B	C		R	1206
080105				Mun Ru Chai	162	463.6	809.8	67.2	B	C,W			TK 11502
080106				Mo Koe Yang	178	470.6	806.6	S	B	C		R	1090
080107				Pha Di	157	481.8	815.5	S	D	C		R	1206
080108				Phoe Pha Sai Name	195	467.6	810.7	S	B	C			TK 11502
080201		Kirirat	25	Om Pien	115			S	C	C,R			TK 11031
080202				Mae Lamao	147	495.1	829.0	0.0	C	C			TK 11503
080203				Pa Wai	175	480.4	831.4	S	C	C			
080204				Pa Kha	88	485.5	823.5	S	C	C,R		R	1090
080302		Chong Kheap	39	Sa O	174	467.9	824.6	S	B	C	WT-10	TK	11002
080303				Khur Huai Chong Kheop	153	463.0	824.7	S	B	C		TK	11019
080304				Sa La Tae	160	470.3	819.8	69.3	B	C		R	1090
080307				Doe Chedi	204	472.2	822.2	S	B	C		R	1090
080308				Se Le Rai Mai	176	465.2	826.0	S	B	C		TK	11002

TABLE F-7 LIST OF PROJECT FACILITIES IN TAK PROVINCE

NESDB Code No.	Amphoe	Tambon		Muban			Facilities							
		Name	Priority Rank	Name	Priority Rank	Coordinate		Drinking Water		Irrigation		Road		
						X	Y	S.Ratio	P.Rank	Existing	Planning	Existing	Planning	Existing
080402 080404 080405		Wae	37	Wae Tai Mae Ok Hu Ya Pho	202 156 124	468.8 470.8 472.0	800.4 803.4 806.0	40.0 S S	B B B	- C C				TK 11502 TK 11502 TK 11502

TABLE F-8 FLOOD UNIT HYDROGRAPH

Project Name	Station	1/50 Daily Rainfall (mm)	Effective Rainfall (mm)	A (km ²)	L (km)	Lc (km)	Tp (hr)	tr (hr)	Tc (hr)	Qp (m ³ /s/mm)	Tb (hr)
Huai Sam Ru	39103	246.7	172.7	28	11.0	4.0	4.7	1.0	5.0	1.032	15.1
Huai Nong Kho	59012	142.1	99.5	34	9.5	4.5	4.6	1.0	5.0	1.281	14.7
Khlong Samo Khon	12012	187.3	131.1	13	6.0	6.0	3.6	1.0	4.0	0.625	11.6
Khlong Sai	63013	167.3	117.1	47	8.5	4.0	4.3	1.0	5.0	1.893	13.8

- A : drainage area
- L : river length from upstream limit
- Lc : river length from center of basin
- Ct : Snyder's time coefficient = 2.0
- Tp : time lag = $0.75 \text{ ct} (L, Lc)^{0.3}$
- tr : unit time
- Tc : concentration time
- Cp : Snyder's discharge coefficient = 0.63
- Qp : Peak discharge of unit hydrograph = $0.275 \text{ Cp} \cdot A/Tp$
- Tb : run - off duration = $2A/3.6/Qp$

FIGURE F-1 IRRIGATION SYSTEM OF HUAI SAM RU PROJECT

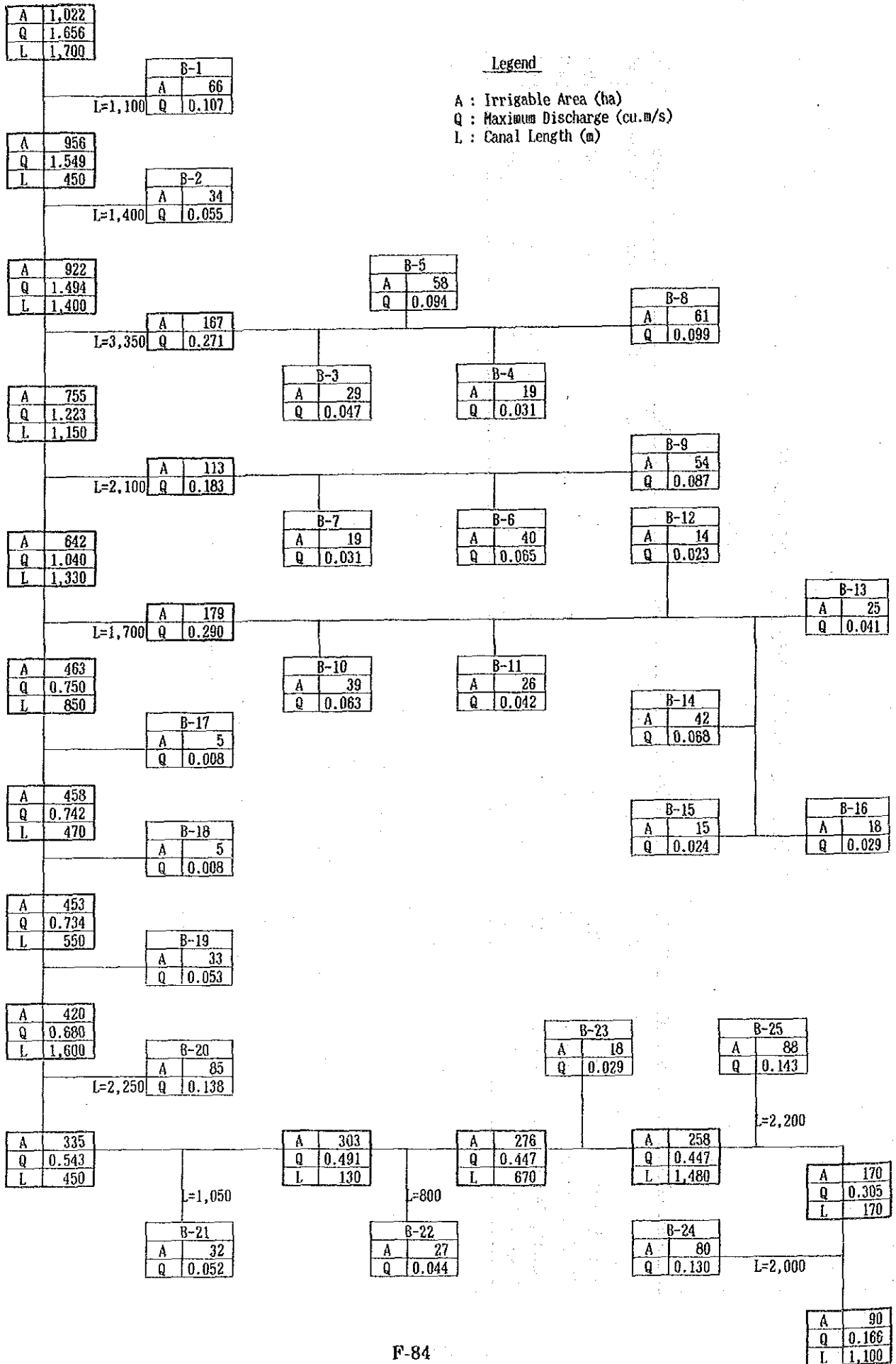
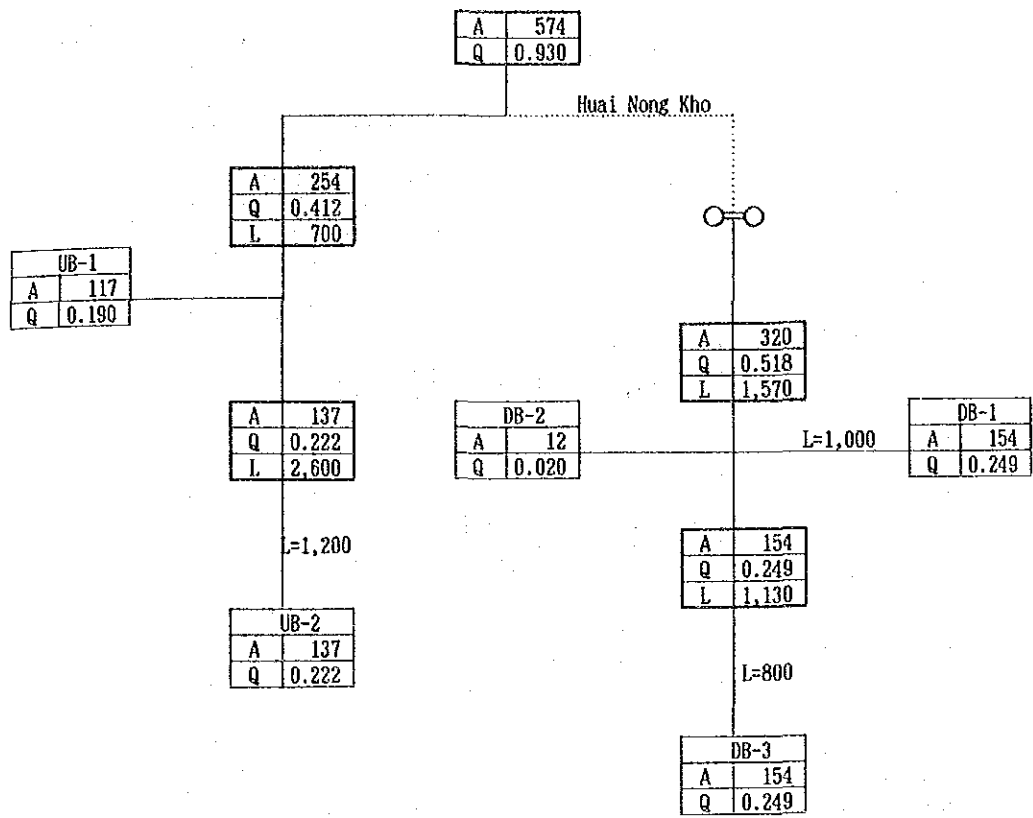


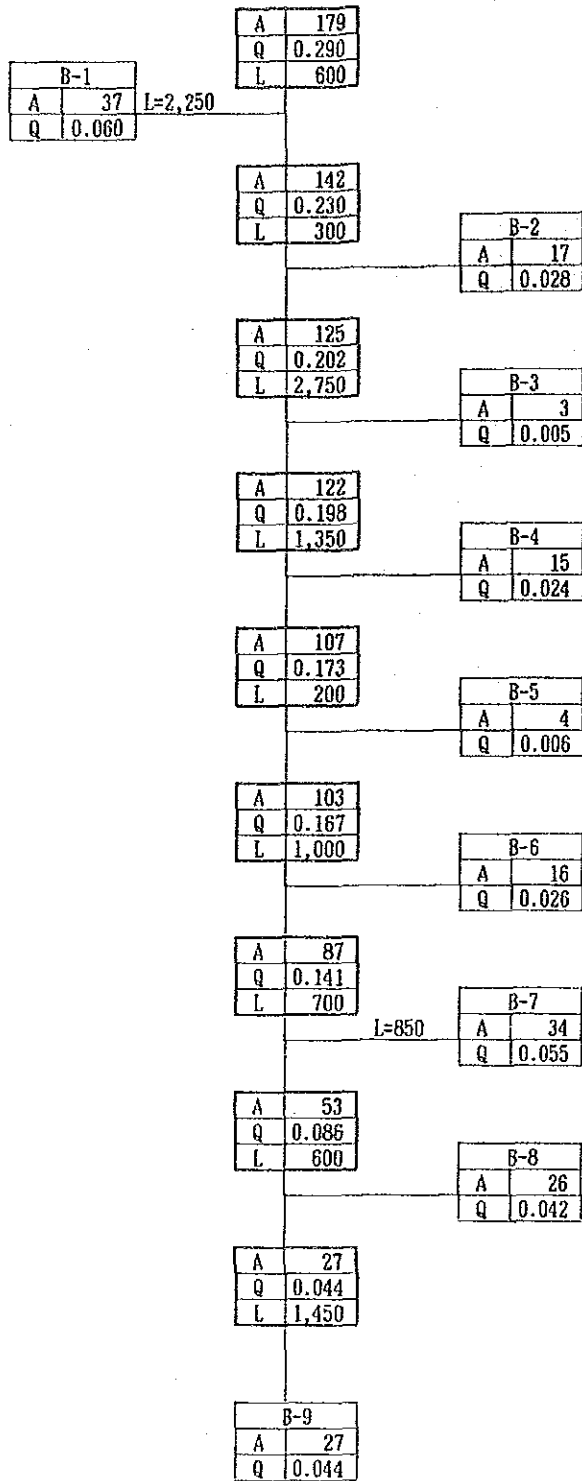
FIGURE F-1 IRRIGATION SYSTEM OF HUAI NONG KHO PROJECT



Legend

- A : Irrigable Area (ha)
- Q : Maximum Discharge (cu.m/s)
- L : Canal Length (m)

FIGURE F-1 IRRIGATION SYSTEM OF KHLONG SAMO KHON PROJECT



Legend

A : Irrigable Area (ha)
 Q : Maximum Discharge (cu.m/s)
 L : Canal Length (m)

FIGURE F-1 IRRIGATION SYSTEM OF KHLONG SAI PROJECT

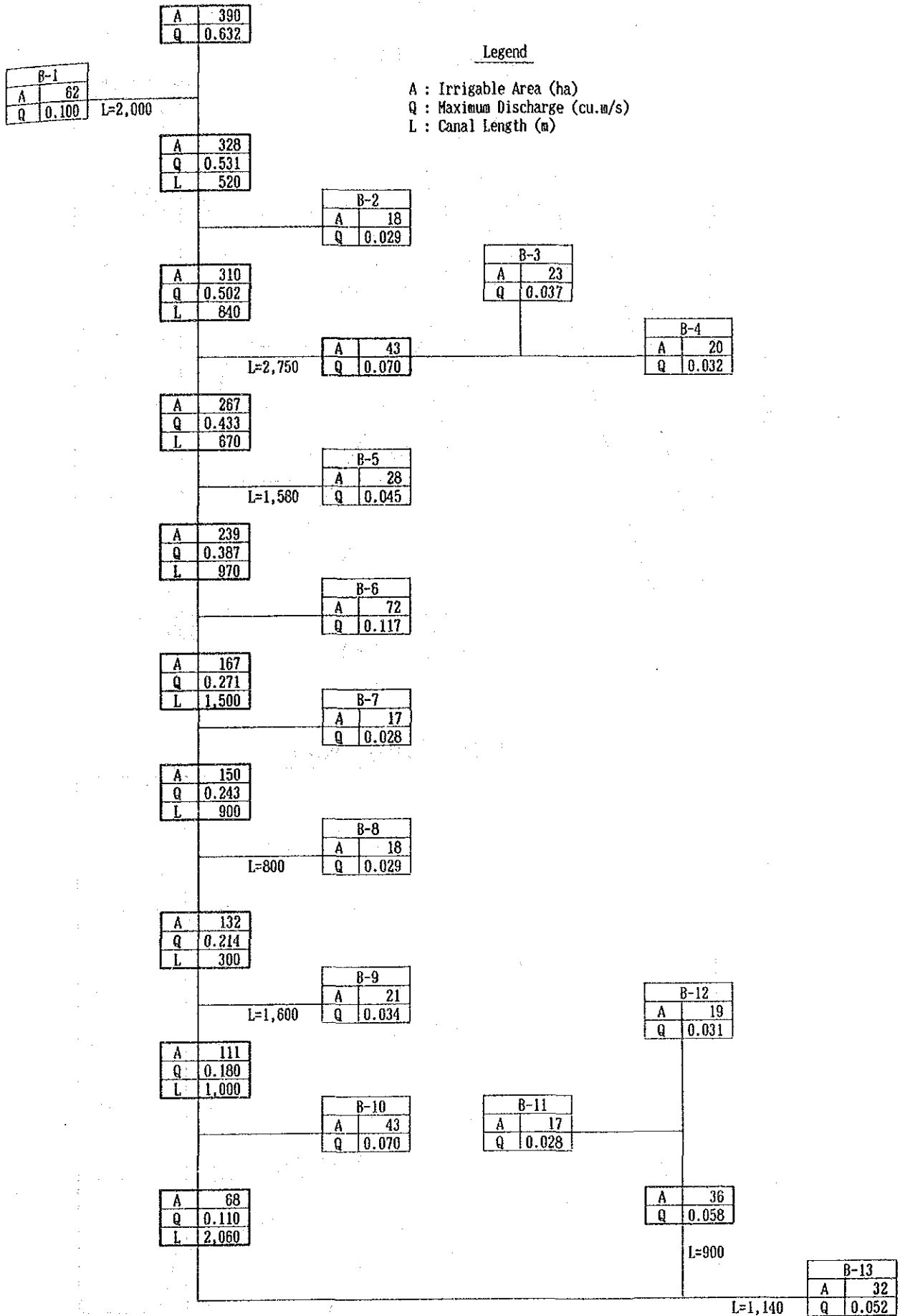
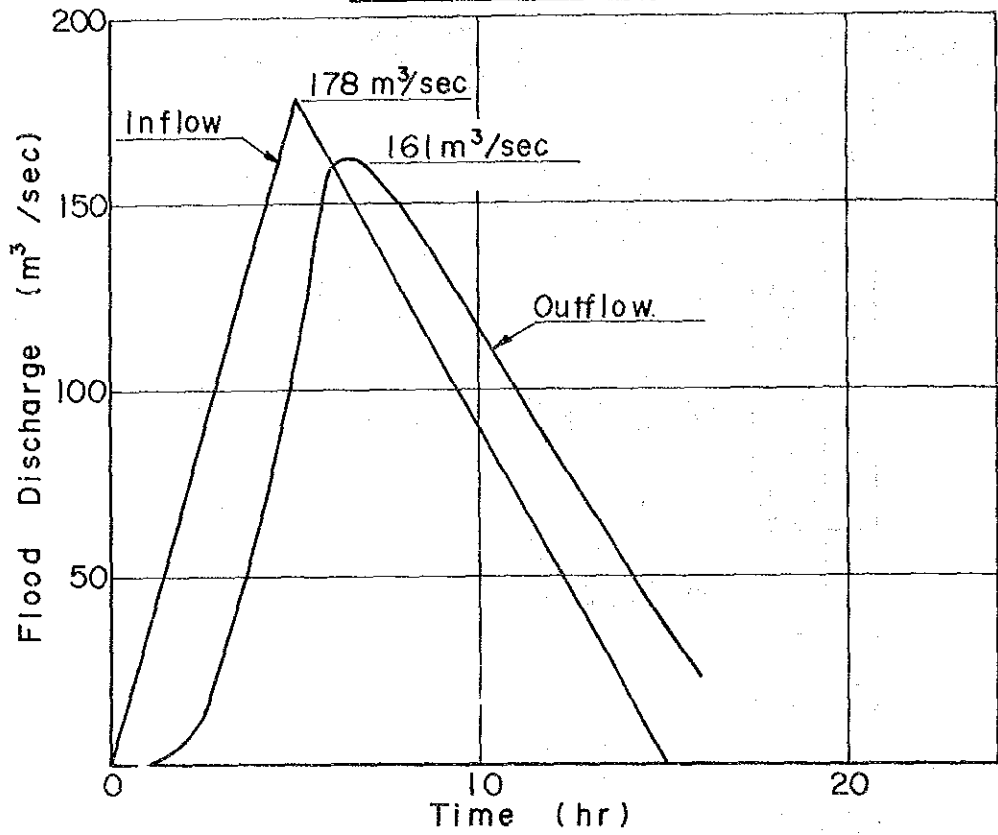


FIGURE F-2 FLOOD ROUTING

Huai Sam Ru



Huai Nong Kho

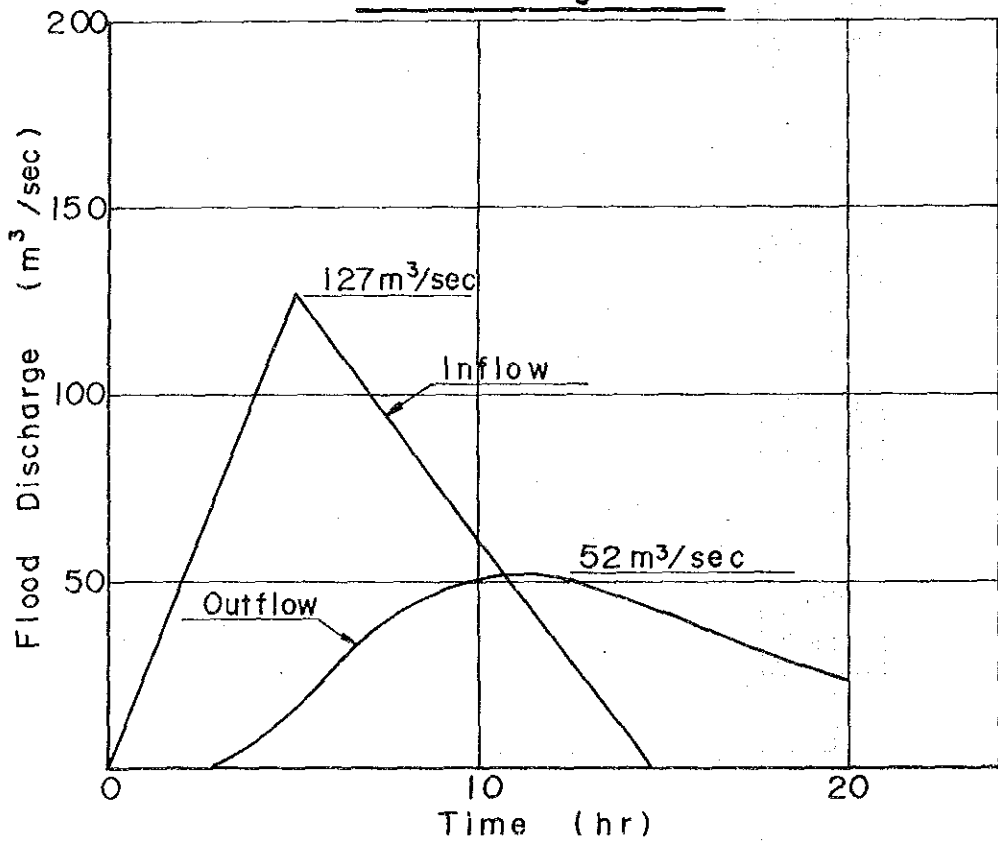


FIGURE F-2 FLOOD ROUTING

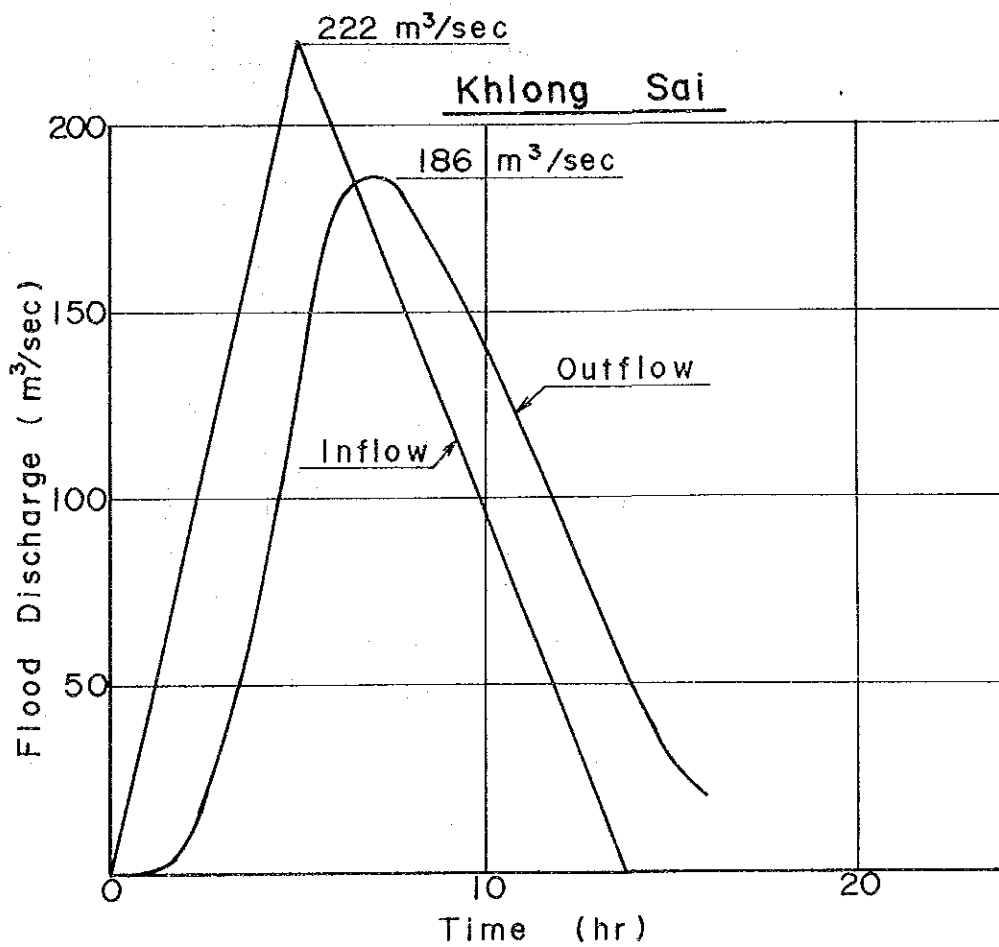
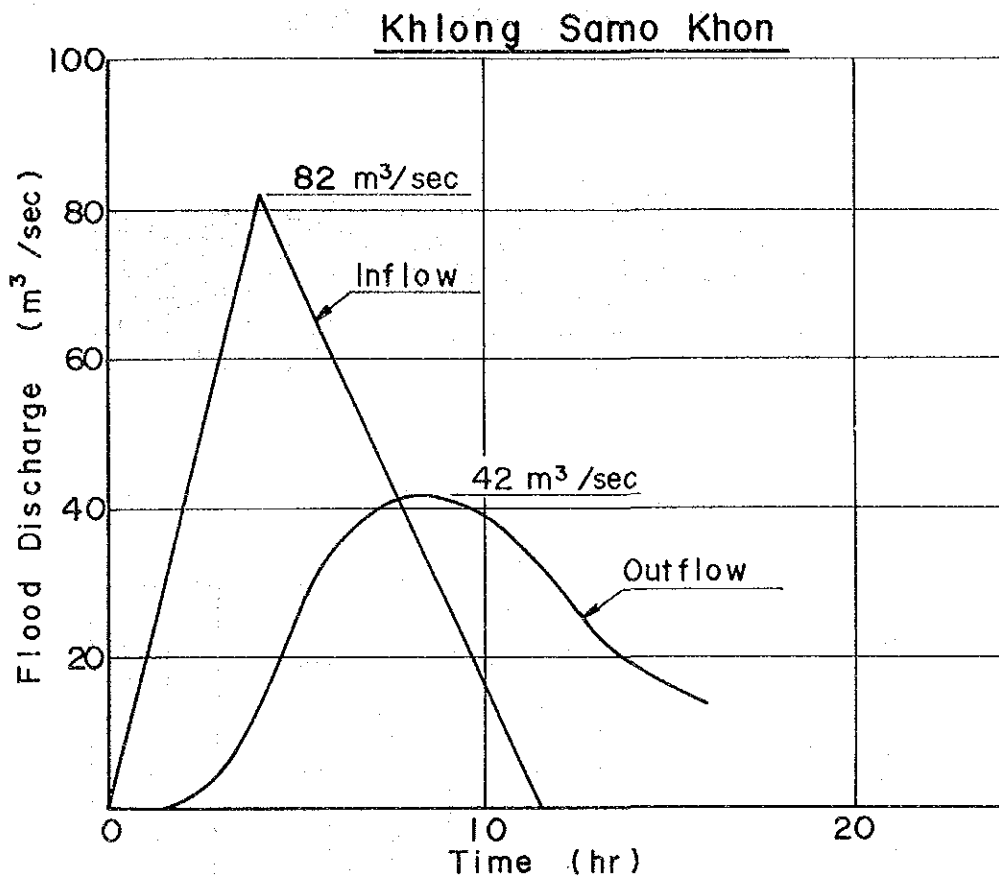
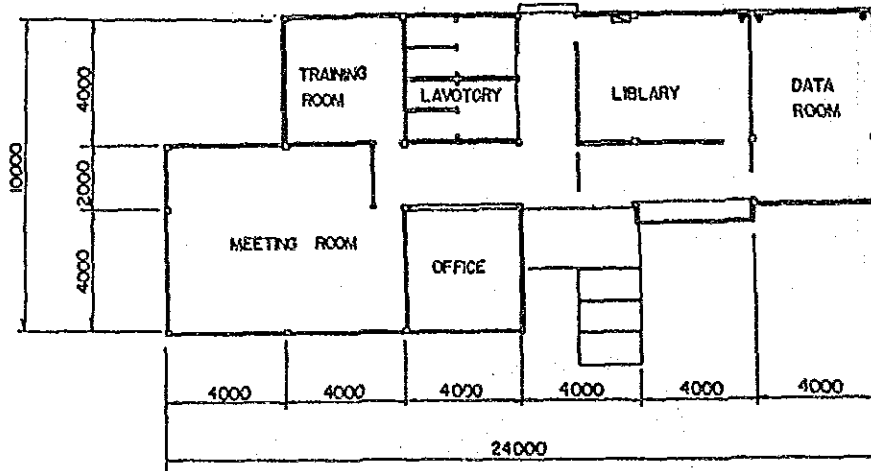
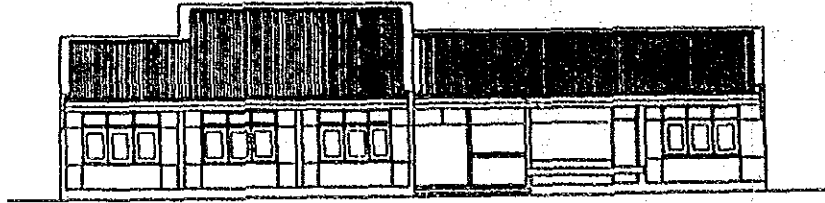
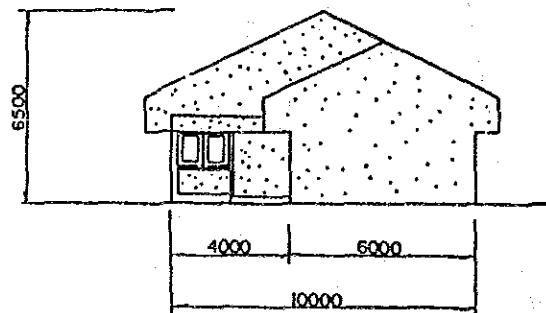


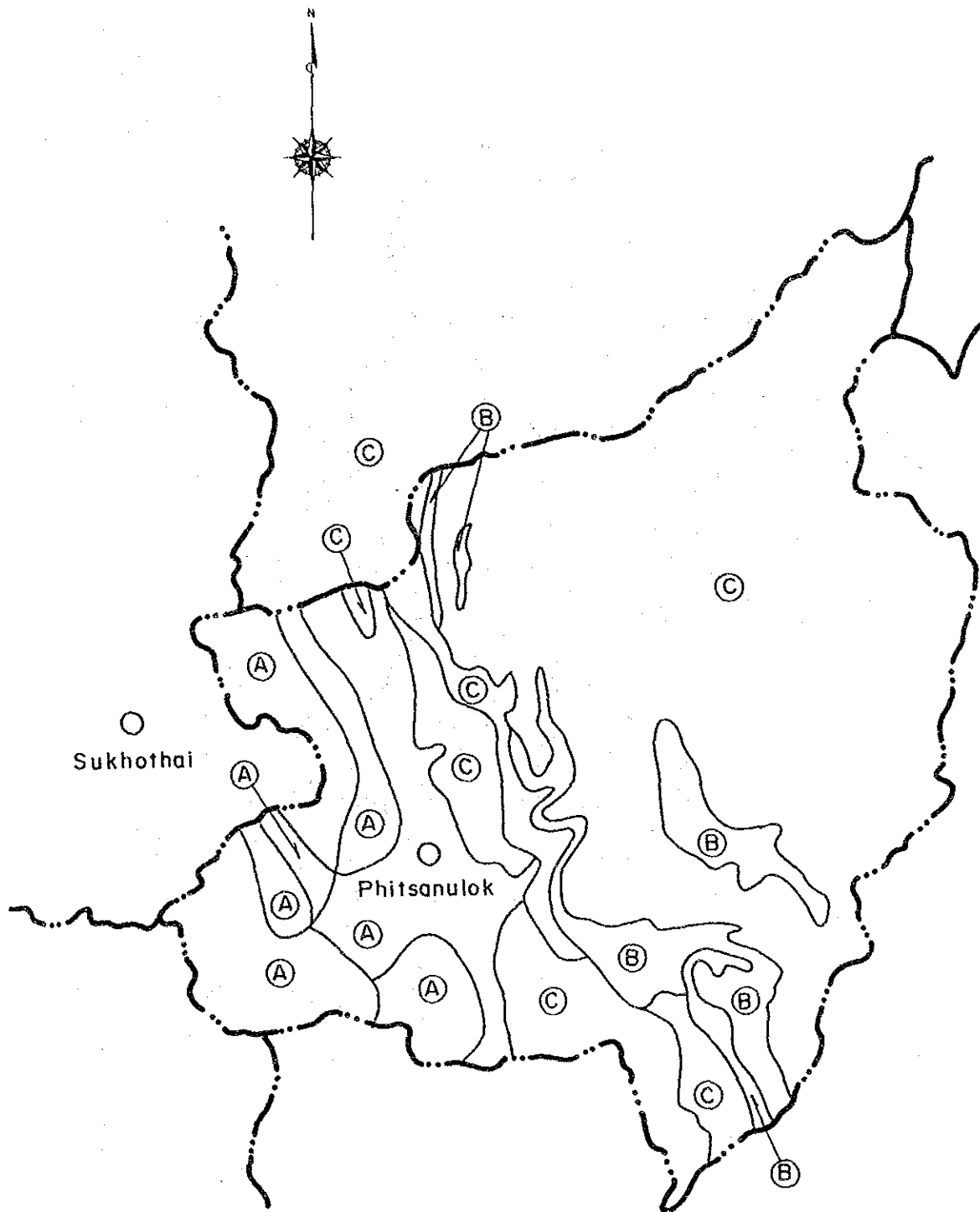
FIGURE F-3 YOUTH TRAINING CENTER



PLAN



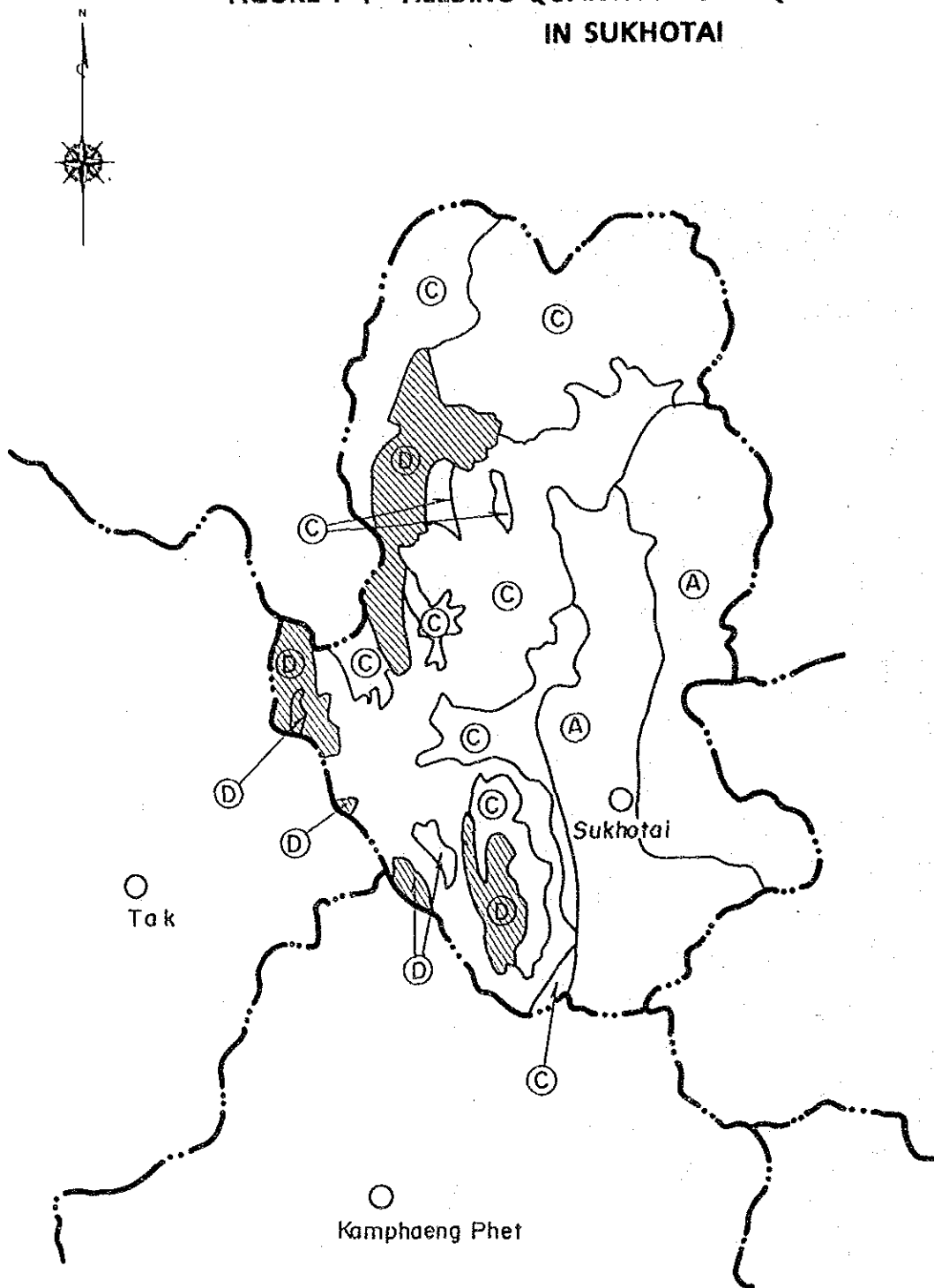
**FIGURE F-4 YIELDING QUANTITY FOR AQUIFER GROUP
IN PHITSANULOK**



Legend

Aquifer Groups	Yielding Quantity (gpm)
A	200 to 1000
B	20 to 100
C	few to 50
D	very few to 10

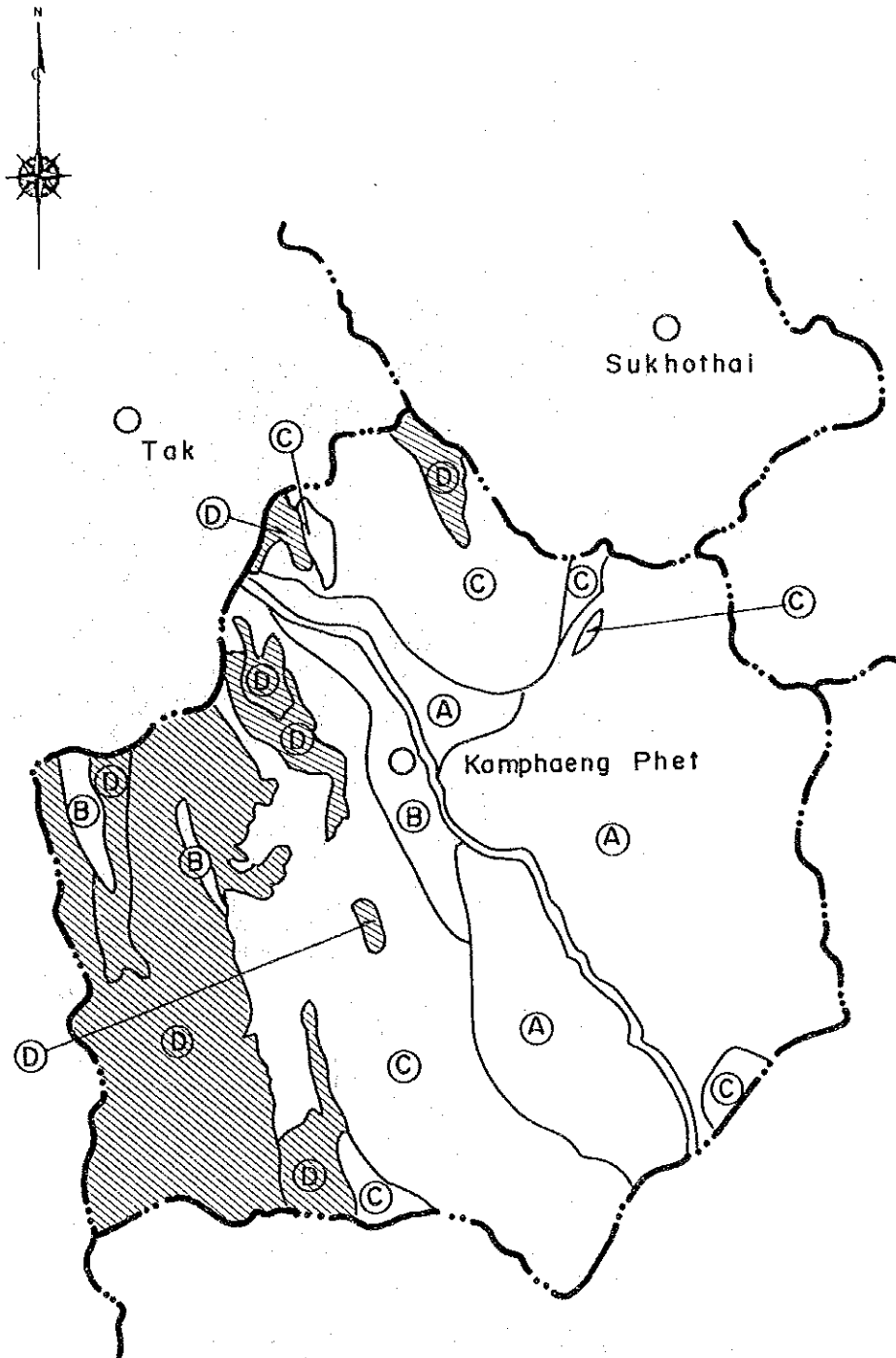
**FIGURE F-4 YIELDING QUANTITY FOR AQUIFER GROUP
IN SUKHOTAI**



Legend

Aquifer Groups	Yielding Quantity(gpm)
A	200 to 1000
B	20 to 100
C	few to 50
D	very few to 10

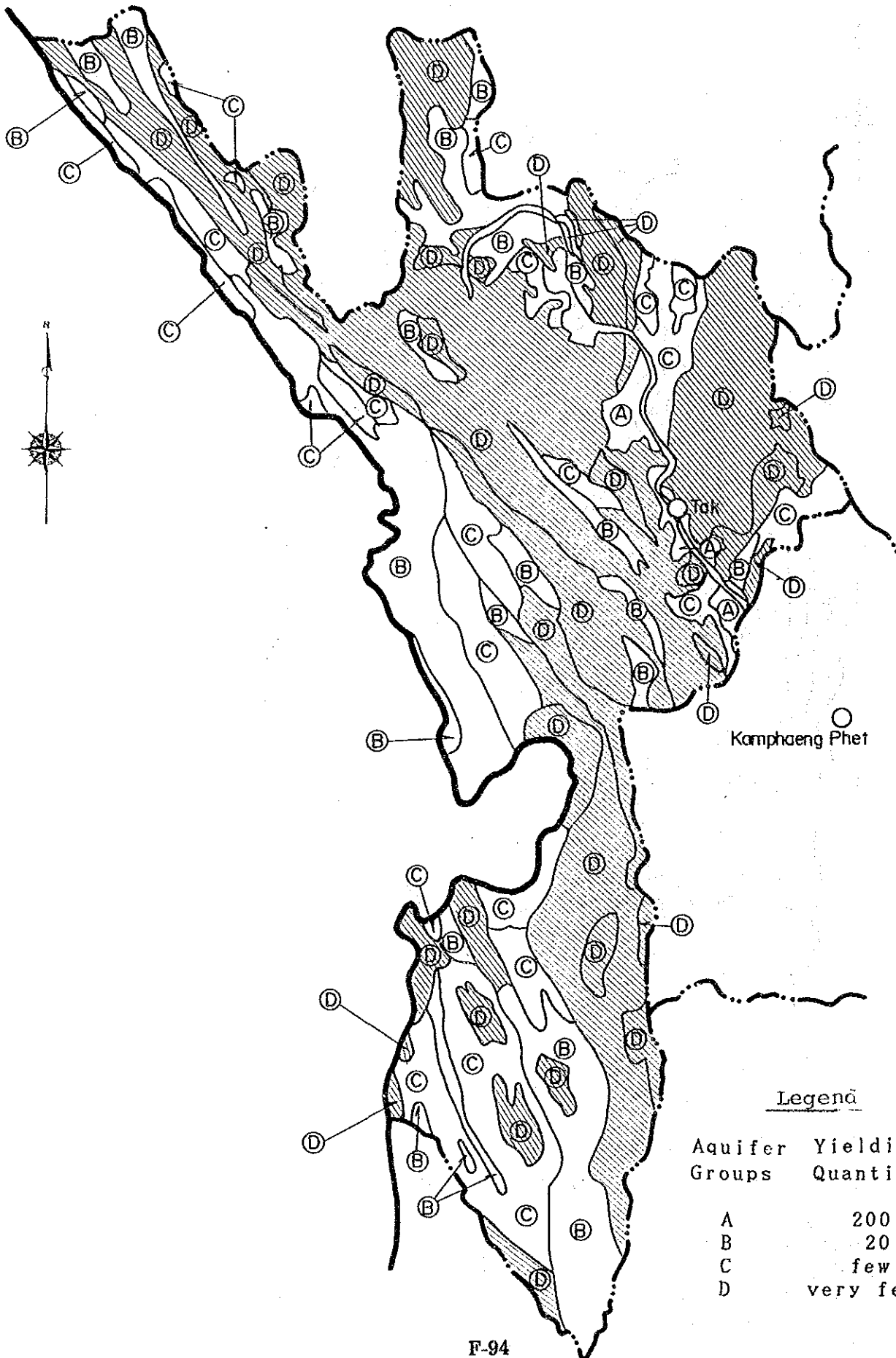
**FIGURE F-4 YIELDING QUANTITY FOR AQUIFER GROUP
IN KAMPHAENG PHET**



Legend

Aquifer Groups	Yielding Quantity (gpm)
A	200 to 1000
B	20 to 100
C	few to 50
D	very few to 10

**FIGURE F-4 YIELDING QUANTITY FOR AQUIFER GROUP
IN TAK**



APPENDIX G. RURAL DEVELOPMENT

APPENDIX G. RURAL DEVELOPMENT

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G-1 RURAL DEVELOPMENT

G-1-1 Historical Background

The rural development in Thailand is historically divided into two periods, before 1932 revolution and after 1932 revolution period. The main objectives of the rural development are to improve the quality of life in rural poor areas as well as to increase their income. Many development projects have been implemented in rural poor areas for example, roads and dam construction. The summary of the rural development in Thailand is shown in Figure G-1.

(1) Before 1932 Revolution Period

This period is divided into three periods, Sukhothai, Ayuttaya, and early Rattanakosin period. The rural development systems were formulated systematically in Rattanakosin period when King Rama V decided to make three western-styled agencies, namely, ministry, sub-ministry, and department.

(2) After 1932 Revolution Period

This period is divided into two periods, before the National Economic and Social Development Plan (NESDP) period, and after NESDP period. In this period, the country had two main problems, rapid population increase and economic recession due to the World War I. So, the Government of Thailand had formulated rural development programmes in order to get rid of the rural poverty.

Since 1961, the first 5-year National Economic and Social Development Plan (NESDP) had been introduced to formulate the development strategies of the rural areas. During the first to fourth NESDP. The rural areas in Thailand had been improved especially in the construction of rural infrastructures. Roads were constructed to connect small towns and villages to motor highways, and small canals and waterways were constructed for more effective use of irrigation waters from dams, rivers, and so forth. Other agricultural projects nationwide had been implemented through the government-assisted research and planning.

The fifth 5-year National Economic and Social Development Plan (1982 - 1986) put top priority on the development of rural areas. The development plan in the rural areas was composed of 33 projects, 9 out of which are on village activities, 14 out of which are on administrative programmes, and 10 out of which are on production programmes. 4 main ministries were responsible for the implementation of these projects; the Ministry of Agriculture and Cooperatives, the Ministry of Public Health, the Ministry of Education, and the Ministry of Interior.

G-1-2 Rural Development in the Sixth National Economic and Social Development Plan

(1) Overview

The Sixth National Economic and Social Development Plan is the follow-up of the tasks left by the Fifth NESDP, with the further expansion of the target areas for development in all part of rural areas nationwide. The summary of the rural development in the Sixth NESDP is shown in Figure G-2. In order to meet the objectives of the Sixth NESDP, many rural development projects are formulated under the responsibility of six main ministries as shown in Figure G-3.

(2) Rural Development Organization System

The systematic structure for the administration of rural development are divided into five levels, namely, national, provincial, district, subdistrict, and village level. The National Rural Development Committee (NRDC) with the Prime Minister as its chairman and NESDB as its main member staffs, studies the rural development problems. The National Rural Development Coordinating Center (NRDCC) was established for the purpose of implementing the programme. In addition, several development committee were established in all provinces, districts, sub-districts, and villages.

NRDC and its supporting organization NRDCC start the top down processes by providing the national policy and proposing various types of development projects to be selected by local and provincial committees according to the necessity of each area. Then, the bottom up processes starts with the priority ranking of village needs and the selection of project lists. The

selection of those projects will be related to the problems in the local areas as well as other projects. After the selection, the projects will be ranked in priority and submitted upward to sub-district, district and province respectively.

The Provincial Committee then submit their requirements to the Departments for approval under annual budget ceiling. After that, the project operation plan will be sent to all provinces for implementation. At this point, all projects allocated will be functioned at villagesite, and the project monitoring and evaluation report includes the consideration of various conditions such as expected benefits from the projects in terms of improvement in various conditions of target areas, the use of new project to cover the weak points of the existing project, the project side effect and appropriateness in term of budget availability, manpower, constraints as well as community support. In consideration of these conditions, the policy and concepts in rural development will be adjusted and traced back to the planning cycle.

Rural Development Budget

a) National Budget

Rural development budget at national level can be divided into three categories: budgets for the project under the responsibility of 5 ministries, budgets for coordination with private sector and budgets for administration. In 1987, total budget for rural development was about 15,177.12 million baht, there were 13,017.37, 2,130.00 and 29.12 million baht for the project under 5 ministries, budget for coordination with private sector, and administration budget, respectively as shown in Table G-1. The budget for coordination with private sector and administration budget from 1988 to 1991 are fixed at 2,130.00 and 29.75 million baht, respectively, while the budget for rural development project by each ministries is fixed at the percentage of total budget of the ministry. It is the same percentage as rural development budget in 1987. Details of rural development budget in 1987 allocated by ministries and problems solving is shown in Table G-2. It is clear that Ministry of Agriculture and Cooperatives took the first rank while Ministry of Interior took the second rank. The biggest share of the budget were allocated to solve production and income problem while second rank were allocated to infrastructure.

b) Study Areas

The study areas cover four provinces: Phitsanulok, Sukhothai, Kamphaeng Phet and Tak. The proposed rural development budget in the four provinces is about 1,777.4 million baht in fiscal year 1991. In this fiscal year, Sukhothai got the highest rural development budget compared with the other provinces. It is about 647.8 million baht or 36.43 percent of total budget of the four provinces. Phitsanulok took the second rank, while the last is Tak province. A half of the rural development budget goes to solve water supply problems, such as drinking water, domestic use water, and water for agriculture. Details of the budget is shown in Table G-3 and more details of each province are shown in Table G-4 to G-7.

Table G-8 indicates the budgets for Ministry of Interior in the study areas: About 54.31 percent of the budget are distributed for water supply project, while 43.39 percent for socio-economic structure project. Fifty percent of the total budget of the four provinces are allocated for Sukhothai, while Phitsanulok takes about 22.11 percent. More details of rural development budget to each province in the study area are shown in Table G-9 to G-12. It can also be concluded that Office Accelerated Rural Development (ARD) in each province takes the highest share of the total budget. On average, it is about 77.84 percent.