

Table 2.4.1 Monthly Inflow - Sirikit Dam

Unit: MCM

CA= 13,130 km2

Year	Dry Season												Wet Season		
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	Dec-May Ratio	Jun-Nov Ratio
1974	192	248	297	400	1,296	885	402	226	128	158	95	95	4,420		3,505
1975	64	184	669	1,091	2,767	1,924	887	311	167	167	170	127	8,530	724	0.09
1976	107	186	357	600	1,431	1,597	993	370	223	202	77	138	6,281	925	0.15
1977	118	218	149	530	998	1,047	445	266	144	122	99	95	4,230	976	0.22
1978	129	118	356	1,005	1,804	1,643	735	250	140	123	61	96	6,460	706	0.11
1979	70	237	532	306	1,085	688	312	146	92	96	44	78	3,684	728	0.19
1980	69	130	382	1,069	1,130	2,427	504	223	135	100	34	99	6,302	508	0.08
1981	79	435	380	2,792	1,583	1,171	618	313	155	131	114	55	7,828	882	0.11
1982	137	125	212	695	1,069	1,457	925	256	115	102	69	75	5,237	717	0.13
1983	113	221	196	572	1,251	1,347	896	329	159	130	120	106	5,442	695	0.13
1984	122	221	376	1,230	1,500	1,637	627	271	137	127	105	95	6,446	858	0.13
1985	129	179	220	590	1,868	1,054	439	347	168	124	115	132	5,365	771	0.15
1986	164	466	410	913	866	812	384	208	121	76	66	72	4,559	1,170	0.25
1987	62	88	161	142	952	661	415	222	90	79	66	50	2,986	485	0.16
1988	89	311	347	818	1,464	636	414	165	104	74	76	63	4,560	685	0.15
1989	47	279	237	643	828	941	492	174	93	84	80	59	3,959	643	0.16
1990	49	240	361	731	884	886	396	220	97	86	45	29	4,022	605	0.15
1991	68	227	261	348	827	846	413	167	86	82	67	64	3,455	552	0.16
1992	45	59	89	417	692	742	441	174	147	94	49	77	3,026	402	0.14
1993	70	126	204	789	643	653	322	132	82	66	58	92	3,236	563	0.17
1994	67	218	412	875	3,273	1,666	632	255	184	120	85	52	7,838	583	0.08
1995	51	132	211	1,019	3,301	2,615	745	511	213	159	150	130	9,236	624	0.07
1996	158	195	388	886	1,593	1,197	745	316	173	136	108	59	5,954	1,005	
Max	192	466	669	2,792	3,301	2,615	993	511	223	202	170	138	9,236	1,170	0.25
Min	45	59	89	142	643	636	312	132	82	66	34	29	2,986	402	0.07
Mean 74-84	109	211	355	936	1,447	1,439	668	269	145	133	90	96	5,896	772	0.14
Mean 85-96	83	210	275	681	1,433	1,059	487	241	130	98	80	73	4,850	665	0.15
Mean 74-96	96	211	313	803	1,439	1,241	573	254	137	115	85	84	5,350	718	0.14

Unit: MCM

Note: Water year & Annual: April to following March. Dry season: Previous December to May. Wet season: June to November

Data source: Sirikit Dam Control Office, EGAT

Table 2.4.2 Monthly Outflow/Release - Sirikit Dam

Unit: MCM

CA= 13,130 km2																	
Year	Dry Season												Wet Season				
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	Dec-May	Ratio	Jun-Nov	Ratio
1974	180	362	374	608	680	489	416	295	276	274	298	467	4,719	2,329	0.40	2,862	
1975	573	440	350	599	729	709	641	494	468	341	546	702	6,593	3,697	0.52	3,432	0.48
1976	826	815	814	626	623	476	450	443	531	534	546	714	7,396	3,790	0.54	3,290	0.46
1977	714	752	732	723	737	268	302	527	267	193	239	414	5,870	1,850	0.52	1,675	0.48
1978	478	259	302	311	206	286	293	276	376	410	490	856	4,544	3,660	0.54	3,093	0.46
1979	793	735	459	554	673	418	470	519	308	213	175	277	5,594	1,580	0.55	1,317	0.45
1980	297	309	188	192	138	287	306	206	258	376	472	626	3,656	3,094	0.45	3,712	0.55
1981	714	647	738	430	1,062	536	418	528	323	417	605	793	7,210	3,573	0.62	2,148	0.38
1982	849	587	265	471	657	200	216	340	262	457	551	680	5,532	3,612	0.73	1,354	0.27
1983	997	666	288	525	328	111	42	60	48	187	478	777	4,507	2,735	0.51	2,666	0.49
1984	756	489	264	345	602	709	228	518	165	457	665	972	6,170	3,815	0.77	1,164	0.23
1985	983	573	300	270	193	224	64	114	127	193	544	850	4,434	3,120	0.51	3,028	0.49
1986	729	678	682	555	397	303	423	668	233	319	687	658	6,332	3,102	0.69	1,403	0.31
1987	634	571	266	453	304	118	72	190	46	193	543	412	3,801	1,570	0.66	822	0.34
1988	237	140	64	148	118	180	141	172	77	211	340	357	2,184	2,100	0.54	1,762	0.46
1989	556	559	144	168	431	476	203	341	105	267	429	727	4,406	2,644	0.54	2,272	0.46
1990	636	480	375	411	412	431	322	321	170	209	507	656	4,929	2,446	0.65	1,297	0.35
1991	587	318	150	332	313	60	182	261	160	216	340	466	3,384	1,967	0.78	569	0.22
1992	464	320	119	119	26	58	40	208	211	149	293	413	2,419	1,836	0.44	2,301	0.56
1993	418	353	294	428	735	261	126	458	196	175	238	275	3,955	1,123	0.52	1,055	0.48
1994	137	103	30	15	102	302	160	446	342	369	629	820	3,454	3,504	0.47	4,022	0.53
1995	746	599	473	268	823	1,177	754	527	378	484	798	1,082	8,109	4,476			
1996	939	794	738	646	734	359	213	374	244	383	615	775	6,814				
Max	997	815	814	723	1,062	1,177	754	668	531	534	798	1,082	8,109	4,476	0.78	4,022	0.60
Min	137	103	30	15	26	58	40	60	46	149	175	275	2,184	1,123	0.40	569	0.22
Mean 74-84	652	551	434	489	585	408	344	382	298	351	461	662	5,617	3,067	0.56	2,643	0.44
Mean 85-96	589	457	303	318	382	329	225	340	191	264	497	624	4,518	2,535	0.58	1,790	0.42
Mean 74-96	619	502	365	400	479	367	282	360	242	305	479	642	5,044	2,801	0.57	2,217	0.43

Note: Water year & Annual: April to following March. Dry season: Previous December to May. Wet season: June to November

Data source: Sirikit Dam Control Office, EGAT

Table 2.4.3 Storage at End pf Month – Sirikit Dam

Year	Dry Season												Wet Season				
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	Dec-May	Ratio	Jun-Nov	Ratio
1974	7,674	7,458	7,352	7,102	7,674	8,065	8,025	7,928	7,753	7,613	7,388	6,988	91,020			46,146	
1975	6,474	6,160	6,442	6,918	8,835	9,680	9,550	9,345	9,015	8,795	8,360	7,758	97,332	42,376	0.45	50,770	0.55
1976	6,990	6,318	5,902	5,786	6,552	7,590	8,203	8,113	7,743	7,358	6,885	6,272	83,712	47,236	0.53	42,146	0.47
1977	5,694	5,168	4,577	4,318	4,565	5,322	5,444	5,189	5,047	4,963	4,807	4,474	59,568	39,120	0.57	29,415	0.43
1978	4,083	3,911	3,919	4,597	6,086	7,378	7,843	7,803	7,505	7,184	6,751	5,994	73,054	27,285	0.42	37,626	0.58
1979	5,284	4,777	4,828	4,563	4,940	5,172	5,018	4,635	4,405	4,264	4,113	3,890	55,889	37,495	0.56	29,156	0.44
1980	3,627	3,414	3,578	4,425	5,355	7,388	7,593	7,588	7,425	7,140	6,691	6,126	70,350	23,713	0.40	35,927	0.60
1981	5,468	5,193	4,830	7,137	7,663	8,279	8,454	8,216	8,022	7,711	7,187	6,410	84,570	38,043	0.46	44,579	0.54
1982	5,666	5,150	5,073	5,277	5,672	6,910	7,596	7,488	7,318	6,937	6,426	5,789	75,302	40,146	0.51	38,016	0.49
1983	4,863	4,388	4,273	4,302	5,208	6,424	7,316	7,562	7,649	7,566	7,173	6,416	73,140	35,721	0.50	35,085	0.50
1984	5,721	5,400	5,494	6,392	7,313	8,209	8,577	8,310	8,257	7,902	7,299	6,334	85,208	39,925	0.47	44,295	0.53
1985	5,407	4,988	4,891	5,180	6,885	7,723	8,065	8,274	8,291	8,195	7,741	6,967	82,607	40,187	0.49	41,018	0.51
1986	6,344	6,093	5,777	6,132	6,570	7,105	7,037	6,519	6,392	6,126	5,439	4,839	74,373	43,631	0.53	39,140	0.47
1987	4,260	3,758	3,629	3,300	3,946	4,449	4,762	4,776	4,800	4,670	4,169	3,782	50,301	30,814	0.55	24,862	0.45
1988	3,606	3,750	4,012	4,664	5,990	6,425	6,676	6,648	6,652	6,494	6,214	5,876	67,007	24,777	0.42	34,415	0.58
1989	5,333	5,022	5,092	5,546	5,926	6,371	6,639	6,448	6,414	6,208	5,831	5,131	69,961	35,591	0.50	36,022	0.50
1990	4,507	4,238	4,202	4,504	4,958	5,394	5,449	5,320	5,228	5,085	4,598	3,946	57,429	32,329	0.52	29,827	0.48
1991	3,401	3,284	3,376	3,376	3,875	4,645	4,858	4,746	4,654	4,500	4,203	3,776	48,694	25,542	0.51	24,876	0.49
1992	3,330	3,043	2,997	3,275	3,929	4,596	4,979	4,927	4,845	4,770	4,502	4,141	49,334	23,506	0.49	24,703	0.51
1993	3,765	3,511	3,402	3,747	3,639	4,016	4,196	3,853	3,722	3,596	3,395	3,190	44,032	25,534	0.53	22,853	0.47
1994	3,096	3,186	3,549	4,392	7,543	8,882	9,327	9,108	8,925	8,646	8,068	7,263	81,985	20,185	0.32	42,801	0.68
1995	6,530	6,027	5,739	6,468	8,900	9,476	9,440	9,397	9,205	8,850	8,164	7,143	95,339	45,459	0.48	49,420	0.52
1996	6,318	5,683	5,308	5,528	6,367	7,184	7,692	7,611	7,504	7,220	6,674	5,913	79,002	45,363			
Max	7,674	7,458	7,352	7,137	8,900	9,680	9,550	9,397	9,205	8,850	8,360	7,758	97,332	47,236	0.57	50,770	0.68
Min	3,096	3,043	2,997	3,275	3,639	4,016	4,196	3,853	3,722	3,596	3,395	3,190	44,032	20,185	0.32	22,853	0.43
Mean 74-84	5,595	5,212	5,115	5,529	6,351	7,311	7,602	7,471	7,285	7,039	6,644	6,041	77,195	37,386	0.49	39,378	0.51
Mean 85-96	4,658	4,382	4,331	4,676	5,711	6,356	6,593	6,469	6,386	6,197	5,750	5,164	66,672	32,066	0.48	33,631	0.52
Mean 74-96	5,106	4,779	4,706	5,084	6,017	6,812	7,076	6,948	6,816	6,600	6,177	5,583	71,705	34,726	0.49	36,504	0.51

Note: Water year & Annual: April to following March. Dry season: Previous December to May. Wet season: June to November

Data source: Sirikit Dam Control Office, EGAT

Table 2.4.4 Monthly Inflow – Bhumiphol Dam

Unit: MCM

CA= 26,100 km²

CA= 26,100 km2																	
Year	Dry Season												Wet Season				
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	Dec-May	Ratio	Jun-Nov	Ratio
1974	48	364	285	151	957	1,482	1,128	1,424	363	437	154	92	6,885			5,427	
1975	0	121	543	592	1,426	2,473	1,777	843	430	240	150	112	8,707	1,167	0.13	7,654	0.87
1976	38	180	141	0	510	1,014	1,504	869	281	353	74	0	4,964	1,150	0.22	4,038	0.78
1977	35	150	64	61	523	2,356	1,014	663	282	325	64	35	5,572	893	0.16	4,681	0.84
1978	0	131	25	1,169	1,475	1,716	1,580	414	237	95	9	0	6,851	837	0.12	6,379	0.88
1979	0	129	423	114	524	702	994	92	21	0	0	0	2,999	470	0.14	2,849	0.86
1980	0	304	436	335	665	2,019	1,658	483	313	124	13	0	6,350	325	0.05	5,596	0.95
1981	34	168	304	641	1,090	946	695	923	381	172	4	9	5,367	652	0.12	4,599	0.88
1982	72	240	634	309	679	1,504	1,174	425	205	108	46	14	5,410	878	0.16	4,725	0.84
1983	0	36	68	37	402	1,139	1,485	1,407	370	150	75	9	5,178	409	0.08	4,538	0.92
1984	18	53	304	189	514	940	1,311	398	191	70	34	13	4,035	675	0.16	3,656	0.84
1985	24	112	272	414	523	1,241	1,207	1,467	424	193	127	75	6,079	444	0.08	5,124	0.92
1986	93	297	225	329	679	938	615	286	183	104	30	12	3,791	1,209	0.28	3,072	0.72
1987	46	43	228	20	893	1,246	979	793	268	110	45	2	4,673	418	0.09	4,159	0.91
1988	18	340	769	533	752	848	1,813	714	326	166	77	16	6,372	783	0.13	5,429	0.87
1989	4	151	368	351	514	664	1,458	448	216	78	28	5	4,285	740	0.16	3,803	0.84
1990	18	277	293	205	440	1,014	943	465	182	52	21	0	3,910	622	0.16	3,360	0.84
1991	0	41	247	182	924	1,227	863	505	168	102	35	6	4,300	296	0.07	3,948	0.93
1992	0	1	31	143	611	1,305	1,208	353	351	151	32	31	4,217	312	0.08	3,651	0.92
1993	1	50	69	73	174	925	612	164	102	32	12	62	2,276	616	0.23	2,017	0.77
1994	84	253	510	718	1,997	2,381	988	441	334	168	88	91	8,053	545	0.07	7,035	0.93
1995	46	234	170	337	1,453	2,191	1,118	468	243	173	244	131	6,808	961	0.14	5,737	0.86
1996	117	221	444	392	1,003	2,101	1,227	734	247	166	99	115	6,866	1,129			
Max	117	364	769	1,169	1,997	2,473	1,813	1,467	430	437	244	131	8,707	1,209	0.28	7,654	0.95
Min	0	1	25	0	174	664	612	92	21	0	0	0	2,276	296	0.05	2,017	0.72
Mean 74-84	22	171	293	327	797	1,481	1,302	722	279	189	57	26	5,665	718	0.13	4,922	0.87
Mean 85-96	38	168	302	308	830	1,340	1,086	570	254	125	70	46	5,136	694	0.14	4,303	0.86
Mean 62-96	30	169	298	317	814	1,407	1,189	643	266	155	64	36	5,389	706	0.13	4,613	0.87

Note: Water year & Annual: April to following March. Dry season: Previous December to May. Wet season: June to November

Data source: O&M, RID

Table 2.4.5 Monthly Outflow - Bhumiphol Dam

Unit: MCM

CA= 26,100 km²

CA= 26,100 km2																	
Year	Dry Season												Wet Season				
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	Dec-May	Ratio	Jun-Nov	Ratio
1974	617	610	558	609	403	278	292	251	261	294	483	700	5,356			2,391	
1975	786	599	570	611	515	382	701	933	557	469	533	801	7,457	3,123	0.46	3,712	0.54
1976	799	749	942	1,005	514	308	307	347	396	402	502	758	7,029	3,908	0.53	3,423	0.47
1977	895	921	728	736	655	318	452	718	412	332	500	635	7,302	3,874	0.52	3,607	0.48
1978	614	473	529	423	339	270	230	264	361	383	466	806	5,158	2,966	0.59	2,055	0.41
1979	823	712	552	681	664	429	466	890	545	322	287	338	6,709	3,551	0.49	3,682	0.51
1980	292	236	165	174	127	42	37	114	159	274	450	662	2,732	2,020	0.75	659	0.25
1981	765	685	598	117	125	183	222	333	192	295	606	872	4,993	2,995	0.65	1,578	0.35
1982	579	541	493	780	772	235	142	269	233	401	700	978	6,123	3,085	0.53	2,691	0.47
1983	676	594	357	444	178	54	17	13	31	136	664	832	3,996	3,582	0.77	1,063	0.23
1984	745	512	192	303	451	204	44	213	109	280	504	685	4,242	2,920	0.67	1,407	0.33
1985	527	389	190	199	293	127	31	34	73	213	634	797	3,507	2,494	0.74	874	0.26
1986	704	518	539	516	335	234	486	613	213	297	593	926	5,974	2,939	0.52	2,723	0.48
1987	806	486	290	629	587	109	38	270	42	205	364	1,074	4,900	3,321	0.63	1,923	0.37
1988	944	225	60	124	21	21	17	15	118	421	812	1,253	4,031	2,854	0.92	258	0.08
1989	1,140	579	166	231	699	356	39	430	152	363	552	919	5,626	4,323	0.69	1,921	0.31
1990	824	572	416	314	368	410	317	385	305	372	351	571	5,205	3,382	0.60	2,210	0.40
1991	482	196	87	183	254	135	35	309	308	411	529	669	3,598	2,277	0.69	1,003	0.31
1992	600	418	103	84	22	48	35	137	323	241	450	602	3,063	2,935	0.87	429	0.13
1993	553	435	409	330	396	54	182	431	127	138	185	220	3,460	2,604	0.59	1,802	0.41
1994	168	150	75	38	46	81	195	413	339	307	516	848	3,176	988	0.54	848	0.46
1995	690	594	620	294	102	33	62	249	328	566	865	1,088	5,491	3,294	0.71	1,360	0.29
1996	952	709	629	468	590	483	249	471	350	648	908	1,076	7,533	4,508			
Max	1,140	921	942	1,005	772	483	701	933	557	648	908	1,253	7,533	4,508	0.92	3,712	0.54
Min	168	150	60	38	21	21	17	13	31	136	185	220	2,732	988	0.46	258	0.08
Mean 74-84	690	603	517	535	431	246	265	395	296	326	518	733	5,554	3,138	0.61	2,388	0.39
Mean 85-96	699	439	299	284	309	174	141	313	223	349	563	837	4,630	3,039	0.68	1,396	0.32
Mean 74-96	695	518	403	404	368	208	200	352	258	338	541	787	5,072	3,088	0.64	1,892	0.36

Note: Water year & Annual: April to following March. Dry season: Previous December to May. Wet season: June to November

Data source: O&M, RID

Table 2.4.6 Storage at End of Month - Bhumiphol Dam

CA= 26,100 km²

Unit: MCM

Table 2.4.6 Storage at End of Month - Bhumiphol Dam															
CA= 28,100 km2															
Year	Dry Season												Wet Season		
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	Dec-May Ratio	Jun-Nov Ratio
1974	9,000	8,725	8,435	7,966	8,511	9,705	10,531	11,687	11,766	11,880	11,511	10,858	120,575	65,542	0.49
1975	10,018	9,509	9,462	9,431	10,332	12,412	13,476	13,366	13,213	12,951	12,524	11,810	138,504	71,948	0.56
1976	11,026	10,424	9,610	8,593	8,508	9,277	10,464	10,965	10,828	10,752	10,287	9,488	120,222	57,732	0.56
1977	8,591	7,786	7,108	6,424	6,286	8,318	8,871	8,806	8,658	8,628	8,160	7,528	95,164	46,276	0.48
1978	6,832	6,470	5,955	6,693	7,822	9,259	10,598	10,732	10,587	10,273	9,786	8,883	103,890	54,865	0.57
1979	7,970	7,366	7,224	6,648	6,501	6,767	7,288	6,480	5,943	5,590	5,260	4,867	77,904	30,773	0.43
1980	4,530	4,583	4,845	5,000	5,583	7,503	9,115	9,475	9,610	9,431	8,960	8,254	86,889	50,952	0.50
1981	7,618	7,079	6,773	7,288	8,272	9,026	9,490	10,051	10,228	10,084	9,455	8,563	103,927	54,000	0.52
1982	8,008	7,662	7,778	7,290	7,182	8,435	9,447	9,588	9,539	9,216	8,527	7,515	100,187	47,672	0.54
1983	6,755	6,120	5,808	5,374	5,585	6,658	8,110	9,413	9,766	9,742	9,098	8,230	90,659	51,267	0.52
1984	7,464	6,967	7,055	6,926	6,974	7,694	8,879	9,040	9,090	8,863	8,351	7,636	94,939	47,743	0.49
1985	7,062	6,741	6,801	7,007	7,207	8,272	9,326	10,776	11,080	11,016	10,517	9,671	105,476	60,050	0.53
1986	9,015	8,751	8,415	8,217	8,531	9,180	9,283	8,970	8,920	8,703	8,118	7,142	103,245	44,915	0.54
1987	6,276	5,756	5,678	5,071	5,342	6,498	7,442	7,933	8,130	8,011	7,646	6,468	80,251	41,257	0.46
1988	5,457	5,545	6,235	6,629	7,346	8,157	9,934	10,611	10,796	10,506	9,712	8,371	99,299	53,109	0.55
1989	7,108	6,616	6,812	6,917	6,717	7,012	8,414	8,414	8,461	8,148	7,570	6,565	88,754	41,743	0.55
1990	5,667	5,332	5,191	5,070	5,131	5,724	6,337	6,404	6,268	5,926	5,545	4,884	67,479	31,018	0.48
1991	4,286	4,109	4,254	4,242	4,902	5,983	6,798	6,980	6,824	6,494	5,961	5,211	66,044	32,980	0.51
1992	4,494	3,996	3,902	3,951	4,529	5,776	6,935	7,136	7,149	7,036	6,584	5,953	67,441	36,907	0.57
1993	5,318	4,867	4,507	4,240	4,009	4,871	5,289	5,011	4,976	4,853	4,644	4,440	57,025	27,841	0.36
1994	4,324	4,404	4,822	5,490	7,427	9,709	10,481	10,486	10,458	10,285	9,809	8,991	96,686	55,727	0.49
1995	8,293	7,891	7,415	7,441	8,774	10,912	11,944	12,138	12,027	11,596	10,921	9,891	119,243	61,899	
1996	8,998	8,466	8,252	8,157	8,552	10,152	11,132	11,377	11,253	10,732	9,870	8,839	115,780		
Max	11,026	10,424	9,610	9,431	10,332	12,412	13,476	13,366	13,213	12,951	12,524	11,810	138,504	71,948	0.57
Min	4,286	3,996	3,902	3,951	4,009	4,871	5,289	5,011	4,976	4,853	4,644	4,440	57,025	27,841	0.36
Mean 74-84	7,983	7,517	7,278	7,058	7,414	8,641	9,661	9,964	9,930	9,765	9,265	8,512	102,987	52,615	0.51
Mean 85-96	6,358	6,040	6,024	6,036	6,539	7,687	8,610	8,853	8,862	8,609	8,075	7,202	88,894	44,295	0.50
Mean 74-96	7,135	6,746	6,623	6,525	6,958	8,143	9,112	9,384	9,373	9,162	8,644	7,829	95,634	48,455	0.51
Dry season: December to May Wet season: June to November															

Note: Water year & Annual: April to following March. Dry season: Previous December to May. Wet season: June to November

Data source: O&M, RID

Table 2.4.7 Monthly Inflow – Naresuan Barrage

CA= 19,500 km²

Year	Unit: MCM											
	Dry Season						Wet Season					
	Dec	Jan	Feb	Mar	Annual	Ratio	Dec	Jan	Feb	Mar	Annual	Ratio
1982	309	443	549	578	6,718		3,188					
1983	49	99	423	753	5,102	0.63	2,065	0.37				
1984	153	388	612	906	6,325	0.45	3,090	0.55				
1985	279	116	440	761	4,944	0.65	1,918	0.35				
1986	584	211	621	585	6,191	0.47	3,203	0.53				
1987	166	94	509	384	3,992	0.59	1,914	0.41				
1988	257	243	373	394	3,769	0.46	1,839	0.54				
1989	292	135	209	711	4,398	0.62	1,673	0.38				
1990	328	203	158	683	5,614	0.48	2,843	0.52				
1991	251	139	160	325	3,347	0.60	1,572	0.40				
1992	184	204	117	283	2,460	0.59	1,045	0.41				
1993	329	174	120	189	3,427	0.41	2,140	0.59				
1994	324	297	241	790	4,695	0.26	2,567	0.74				
1995	631	405	298	1,053	11,462	0.30	7,601	0.70				
1996	487	245	231	801	8,581							
Max	631	405	443	1,053	11,462	0.65	7,601	0.74				
Min	117	155	94	150	2,460	0.26	1,045	0.35				
Mean 82-84	478	352	310	746	6,049	0.54	2,781	0.46				
Mean 85-96	406	343	194	580	5,240	0.49	2,574	0.51				
Mean 82-96	420	345	217	613	5,402	0.52	2,678	0.48				

Note: Water year & Annual: April to following March. Dry season: Previous December to May. Wet season: June to November
Data source: O&M, RID

Table 2.4.8 Monthly Diversion - Naresuan Barrage

Unit: MCM

Year	CA= 19,500 km ²												Dry Season		Wet Season	
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	Dec-May Ratio	Jun-Nov Ratio	Ratio
1982	41	37	4	41	86	94	93	40	3	7	26	40	512			358
1983	37	32	15	83	97	79	89	24	6	6	57	68	592	145	0.27	386
1984	73	45	0	52	125	134	122	56	2	7	54	74	744	255	0.34	489
1985	76	43	0	28	82	103	83	57	1	3	61	74	611	257	0.42	354
1986	78	31	7	61	152	181	205	126	0	7	51	100	999	248	0.25	731
1987	98	77	27	111	115	182	174	78	0	0	43	82	986	334	0.33	687
1988	79	28	1	96	159	170	174	118	0	20	121	156	1,122	231	0.24	718
1989	151	93	1	45	159	189	163	125	6	19	64	134	1,148	541	0.44	682
1990	145	68	0	42	174	195	202	112	5	22	73	109	1,146	436	0.38	723
1991	101	50	4	15	88	157	161	126	5	13	77	137	933	360	0.40	551
1992	133	113	16	0	50	85	116	112	15	3	1	5	648	476	0.56	379
1993	8	0	10	85	148	130	98	82	14	4	7	1	585	32	0.06	551
1994	0	0	0	8	124	75	122	85	11	46	94	144	708	26	0.06	413
1995	85	22	0	41	52	2	12	13	0	76	162	197	663	402	0.77	120
1996	127	47	5	49	140	100	92	37	19	109	170	177	1,072	609		
Max	151	113	27	111	174	195	205	126	19	109	170	197	1,148	609	0.77	731
Min	0	0	0	0	50	2	12	13	0	0	1	1	512	26	0.06	120
Mean 82-84	50	38	6	59	103	102	101	40	4	7	46	61	616	219	0.31	411
Mean 85-96	90	48	6	48	120	131	133	89	6	27	77	110	885	336	0.35	537
Mean 82-96	82	46	6	50	117	125	127	79	6	23	71	100	831	277	0.33	474

Note: Water year & Annual: April to following March. Dry season: Previous December to May. Wet season: June to November

Data source: O&M, RID

Table 2.4.9 Monthly Release – Naresuan Barrage

Unit: MCM

CA= 19,500 km2																	
Year	Dry Season												Wet Season				
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	Dec-May	Ratio	Jun-Nov	Ratio
1982	883	690	393	503	614	594	402	324	306	436	523	538	6,206			2,830	
1983	958	686	296	389	281	308	274	131	43	93	366	685	4,510	3,447	0.67	1,679	0.33
1984	638	420	366	273	465	562	453	482	151	381	558	832	5,581	2,245	0.46	2,601	0.54
1985	874	558	269	302	124	370	277	222	158	113	379	687	4,333	3,354	0.68	1,564	0.32
1986	582	663	745	551	307	290	121	458	216	204	570	485	5,192	2,582	0.51	2,472	0.49
1987	448	453	250	236	361	254	38	88	16	94	466	302	3,006	2,376	0.66	1,227	0.34
1988	60	369	130	240	262	182	168	139	243	353	263	238	2,647	1,307	0.54	1,121	0.46
1989	480	638	353	194	198	37	42	167	129	190	245	577	3,250	2,215	0.69	991	0.31
1990	507	540	680	333	202	567	122	216	198	136	393	574	4,468	2,188	0.51	2,120	0.49
1991	492	254	174	218	330	113	61	125	134	147	178	188	2,414	2,047	0.67	1,021	0.33
1992	208	155	96	89	161	178	70	72	189	114	202	278	1,812	1,010	0.60	666	0.40
1993	306	340	249	238	479	357	19	247	160	116	143	188	2,842	1,429	0.47	1,589	0.53
1994	106	172	389	124	482	807	113	239	286	195	428	646	3,987	885	0.29	2,154	0.71
1995	684	578	549	218	1,306	3,177	1,613	618	405	222	510	856	10,736	2,817	0.27	7,481	0.73
1996	819	826	943	526	901	1,177	627	450	226	122	268	624	7,509	3,638			
Max	958	826	943	551	1,306	3,177	1,613	618	405	436	570	856	10,736	3,638	0.69	7,481	0.73
Min	60	155	96	89	124	37	19	72	16	93	143	188	1,812	885	0.27	666	0.31
Mean 82-84	826	599	352	388	453	488	376	312	167	303	482	685	5,432	3,015	0.57	2,370	0.43
Mean 85-96	464	462	402	272	426	626	273	253	197	167	337	470	4,350	2,045	0.54	2,037	0.46
Mean 82-96	536	489	392	296	432	598	293	265	191	194	366	513	4,566	2,530	0.55	2,203	0.45

Note: Water year & Annual: April to following March. Dry season: Previous December to May. Wet season: June to November

Data source: O&M, RID

Table 2.4.10 Monthly Inflow – Chai Nat Barrage

CA= 119,000 km2															Dry Season		Wet Season	
Year	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	Dec-May	Ratio	Jun-Nov	Ratio	
1974	1,060	1,266	1,169	1,125	2,074	3,222	4,913	4,468	1,730	831	716	1,082	23,656			16,971		
1975	1,177	1,176	1,436	1,811	2,714	6,680	11,573	5,549	2,009	946	1,009	1,438	37,518	6,712	0.18	29,763	0.82	
1976	1,511	2,095	2,025	1,720	2,271	4,652	6,303	4,930	1,851	1,138	1,011	1,385	30,892	9,008	0.29	21,901	0.71	
1977	1,487	1,783	1,469	1,377	1,658	3,717	3,125	1,955	1,115	648	631	884	19,849	8,655	0.39	13,301	0.61	
1978	943	852	896	3,289	4,095	4,549	9,375	3,299	1,294	814	859	1,476	31,741	5,073	0.17	25,503	0.83	
1979	1,617	1,607	2,059	1,674	1,843	2,076	2,392	1,571	1,157	656	450	533	17,635	7,667	0.40	11,615	0.60	
1980	549	1,031	1,977	2,285	3,463	5,137	10,544	3,579	1,149	638	871	1,163	32,386	4,376	0.14	26,985	0.86	
1981	1,399	1,717	2,244	2,250	4,562	4,363	2,946	4,176	2,070	959	1,053	1,623	29,362	6,937	0.25	20,541	0.75	
1982	1,477	1,224	985	1,195	1,556	2,862	4,178	2,525	1,257	780	1,120	1,492	20,651	8,406	0.39	13,301	0.61	
1983	1,537	1,392	1,008	879	1,899	3,294	6,728	6,498	2,068	622	902	1,522	28,349	7,578	0.27	20,306	0.73	
1984	1,402	1,192	1,498	1,095	1,380	2,595	3,233	2,457	1,257	702	985	1,507	19,303	7,708	0.39	12,258	0.61	
1985	1,446	1,178	1,021	1,374	1,883	2,939	4,987	4,917	2,539	621	939	1,414	25,258	7,075	0.29	17,121	0.71	
1986	1,327	2,486	2,224	1,620	1,784	2,439	2,137	1,838	1,272	533	1,033	1,376	20,069	9,326	0.44	12,042	0.56	
1987	1,283	1,090	909	747	1,245	2,934	4,125	2,065	1,256	425	530	1,149	17,758	6,587	0.35	12,025	0.65	
1988	959	1,406	1,592	1,631	1,666	3,354	5,370	3,204	1,257	685	757	1,130	23,011	5,725	0.25	16,817	0.75	
1989	1,260	1,216	1,763	953	1,249	1,809	2,582	1,975	1,149	539	600	1,176	16,271	6,305	0.38	10,331	0.62	
1990	1,154	1,227	2,380	1,208	1,240	2,037	2,732	1,736	1,283	531	562	913	17,003	5,845	0.34	11,333	0.66	
1991	920	595	519	359	1,347	2,906	2,566	1,537	959	463	489	638	13,298	4,804	0.34	9,234	0.66	
1992	601	581	267	189	1,582	979	3,603	1,884	1,043	430	497	716	12,372	3,731	0.30	8,504	0.70	
1993	695	716	948	591	837	1,706	1,453	720	621	210	253	315	9,065	4,097	0.40	6,255	0.60	
1994	190	743	2,758	2,235	2,419	5,836	5,706	1,533	1,357	485	699	1,109	25,070	2,332	0.10	20,487	0.90	
1995	1,229	1,343	1,379	1,452	3,764	8,262	11,792	4,908	1,643	838	1,112	1,789	39,511	6,222	0.16	31,557	0.84	
1996	1,707	2,215	2,439	1,692	2,470	4,515	8,550	6,415	2,409	788	1,064	1,351	35,615	9,304				
Max	1,707	2,486	2,758	3,289	4,562	8,262	11,792	6,498	2,539	1,138	1,120	1,789	39,511	9,326	0.44	31,557	0.90	
Min	190	581	267	189	837	979	1,453	720	621	210	253	315	9,065	2,332	0.10	6,255	0.56	
Mean 74-84	1,287	1,394	1,524	1,700	2,501	3,922	5,937	3,728	1,542	794	873	1,282	26,486	7,200	0.29	19,313	0.71	
Mean 85-96	1,064	1,233	1,517	1,171	1,791	3,310	4,634	2,728	1,399	546	711	1,090	21,192	5,843	0.31	14,155	0.69	
Mean 74-96	1,171	1,310	1,520	1,424	2,130	3,603	5,257	3,206	1,467	664	789	1,182	23,724	6,522	0.30	16,734	0.70	

Note: Water year & Annual: April to following March. Dry season: Previous December to May. Wet season: June to November

Data source: O&M, RID

Table 2.4.11 Monthly Diversion - Chai Nat Barrage

CA= 119,000 km2																		Dry Season		Wet Season	
Year	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	Dec-May	Ratio	Jun-Nov	Ratio				
1974	853	795	785	908	1,487	1,903	1,203	1,065	321	244	460	865	10,889			7,351					
1975	941	809	697	1,085	1,720	1,400	2,006	1,884	362	212	491	1,020	12,627	3,640	0.29	8,792	0.71				
1976	1,236	603	975	1,120	1,334	1,407	2,210	1,949	608	576	595	1,112	13,725	3,924	0.30	8,995	0.70				
1977	1,166	1,170	1,083	1,106	1,337	1,553	2,161	1,667	729	308	387	678	13,345	5,227	0.37	8,907	0.63				
1978	749	592	632	426	1,240	1,796	1,385	1,884	790	479	675	1,270	11,918	3,443	0.32	7,363	0.68				
1979	1,379	1,213	1,001	1,243	1,503	1,506	1,516	1,379	715	343	215	356	12,369	5,806	0.42	8,148	0.58				
1980	368	600	754	1,235	1,650	1,630	1,786	1,135	386	394	617	895	11,450	2,597	0.24	8,190	0.76				
1981	1,122	1,136	1,065	951	1,353	1,680	2,089	1,973	522	536	806	1,347	14,580	4,550	0.33	9,111	0.67				
1982	1,166	967	718	916	1,267	1,703	2,290	1,921	587	520	885	1,216	14,156	5,344	0.38	8,815	0.62				
1983	1,275	1,138	700	662	945	1,703	1,181	863	391	295	687	1,262	11,102	5,621	0.48	6,054	0.52				
1984	1,153	962	897	637	1,136	2,040	2,279	2,110	978	450	750	1,245	14,637	4,750	0.34	9,099	0.66				
1985	1,182	873	718	1,039	1,578	1,472	1,784	1,677	493	324	697	1,141	12,978	5,478	0.40	8,268	0.60				
1986	1,063	860	1,024	991	1,042	1,581	1,805	1,602	870	321	798	1,095	13,052	4,578	0.36	8,045	0.64				
1987	1,032	836	671	560	1,039	897	1,623	1,661	726	262	363	895	10,565	4,952	0.43	6,451	0.57				
1988	793	852	669	809	1,015	1,192	1,205	1,299	753	455	605	908	10,555	3,891	0.39	6,189	0.61				
1989	1,024	980	835	707	1,029	1,335	1,620	1,654	771	386	462	924	11,727	4,725	0.40	7,180	0.60				
1990	923	836	923	948	1,010	1,602	680	1,205	876	370	402	720	10,495	4,302	0.40	6,368	0.60				
1991	715	445	389	225	817	1,405	1,489	1,288	726	321	329	434	8,583	3,528	0.39	5,613	0.61				
1992	407	391	137	82	961	756	1,643	1,381	707	268	314	470	7,517	2,608	0.34	4,960	0.66				
1993	486	509	620	450	683	1,048	1,018	616	489	96	132	156	6,303	2,754	0.38	4,435	0.62				
1994	104	525	1,011	878	1,375	1,618	1,475	1,398	1,051	383	551	960	11,329	1,502	0.16	7,755	0.84				
1995	1,080	1,077	887	945	1,098	816	1,130	845	771	685	942	1,564	11,840	5,102	0.47	5,721	0.53				
1996	1,351	675	672	1,081	1,194	1,173	1,098	1,072	859	644	900	1,171	11,890	5,988							
Max	1,379	1,213	1,083	1,243	1,720	2,040	2,290	2,110	1,051	685	942	1,564	14,637	5,988	0.48	9,111	0.84				
Min	104	391	137	82	683	756	680	616	321	96	132	156	6,303	1,502	0.16	4,435	0.52				
Mean 74-84	1,037	908	846	935	1,361	1,666	1,828	1,621	581	396	597	1,024	12,800	4,580	0.35	8,257	0.65				
Mean 85-96	847	738	713	726	1,070	1,241	1,381	1,308	758	376	541	870	10,570	3,994	0.37	6,453	0.63				
Mean 74-96	938	819	777	826	1,209	1,444	1,595	1,458	673	386	568	944	11,636	4,287	0.36	7,355	0.64				

Note: Water year & Annual: April to following March. Dry season: Previous December to May. Wet season: June to November

Data source: O&M, RID

Table 2.4.12 Monthly Release – Chai Nat Barrage

Unit: MCM

CA= 119,000 km2

CA= 119,000 km2															
Year	Dry Season												Wet Season		
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual	Dec-May Ratio	Jun-Nov Ratio
1974	207	471	384	217	587	1,319	3,710	3,403	1,409	587	256	217	12,767		9,620
1975	236	367	739	726	994	5,280	9,567	3,665	1,647	734	518	418	24,891	3,072	0.13
1976	275	1,492	1,050	600	937	3,245	4,093	2,981	1,243	562	416	273	17,167	5,084	0.28
1977	321	613	386	271	321	2,164	964	288	386	340	244	206	6,504	3,428	0.44
1978	194	260	264	2,863	2,855	2,753	7,990	1,415	504	335	184	206	19,823	1,630	0.08
1979	238	394	1,058	431	340	570	876	192	442	313	235	177	5,266	1,861	0.35
1980	181	431	1,223	1,050	1,813	3,507	8,758	2,444	763	244	254	268	20,936	1,779	0.09
1981	277	581	1,179	1,299	3,209	2,683	857	2,203	1,548	423	247	276	14,782	2,387	0.17
1982	311	257	267	279	289	1,159	1,888	604	670	260	235	276	6,495	3,062	0.41
1983	262	254	308	217	954	1,591	5,547	5,635	1,677	327	215	260	17,247	1,957	0.12
1984	249	230	601	458	244	555	954	347	279	252	235	262	4,666	2,958	0.48
1985	264	305	303	335	305	1,467	3,203	3,240	2,046	297	242	273	12,280	1,597	0.15
1986	264	1,626	1,200	629	742	858	332	236	402	212	235	281	7,017	4,748	0.54
1987	251	254	238	187	206	2,037	2,502	404	530	163	167	254	7,193	1,635	0.23
1988	166	554	923	822	651	2,162	4,165	1,905	504	230	152	222	12,456	1,834	0.15
1989	236	236	928	246	220	474	962	321	378	153	138	252	4,544	1,580	0.33
1990	231	391	1,457	260	230	435	2,052	531	407	161	160	193	6,508	1,543	0.24
1991	205	150	130	134	530	1,501	1,077	249	233	142	160	204	4,715	1,276	0.26
1992	194	190	130	107	621	223	1,960	503	336	162	183	246	4,855	1,123	0.24
1993	209	207	328	141	154	658	435	104	132	114	121	159	2,762	1,343	0.42
1994	86	218	1,747	1,357	1,044	4,218	4,231	135	306	102	148	149	13,741	830	0.06
1995	149	266	492	507	2,666	7,446	10,662	4,063	872	153	170	225	27,671	1,120	0.04
1996	356	1,540	1,767	611	1,276	3,342	7,452	5,343	1,550	144	164	180	23,725	3,316	
Max	356	1,626	1,767	2,863	3,209	7,446	10,662	5,635	2,046	734	518	418	27,671	5,084	0.54
Min	86	150	130	107	154	223	332	104	132	102	121	149	2,762	830	0.04
Mean 74-84	250	486	678	765	1,140	2,257	4,109	2,107	961	398	276	258	13,686	2,620	0.19
Mean 85-96	218	495	804	445	720	2,068	3,253	1,420	641	169	170	220	10,622	1,850	0.19
Mean 65-96	233	491	744	598	921	2,159	3,662	1,748	794	279	221	238	12,087	2,235	0.19

Note: Water year & Annual: April to following March. Dry season: Previous December to May. Wet season: June to November

Data source: O&M, RID

Table 2.5.1 Runoff of Wet and Dry Season at Major Stations in Nan Basin (1)

(1)

Unit MCM

	Upper Nan, Yao ①			Upper Nan N17 ②			Nan City N1 ③			Upper N1 Side flow ④ = ③ - (① + ②)			Sirikit Inflow ⑤			Upper Sirikit Side ⑥ = ⑤ - ③			Sirikit Outflow ⑦		
	774			1,156			4,609			2,679			13,130			8,521			13,130		
	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total
1974 - 75	330	51	381	476	125	601	1,176	121	1,297	370	-55	315	3,505	724	4,229	2,329	603	2,932	2,862	2,329	5,191
1975 - 76	313	72	385	789	160	949	2,829	119	2,948	1,727	-113	1,614	7,649	925	8,574	4,820	806	5,626	3,522	3,697	7,219
1976 - 77	205	42	247	533	148	681	1,854	161	2,015	1,116	-29	1,087	5,347	976	6,323	3,493	815	4,308	3,432	3,790	7,222
1977 - 78	351	62	413	483	117	600	1,292	118	1,410	458	-61	397	3,434	706	4,140	2,142	588	2,730	3,290	1,850	5,140
1978 - 79	423	51	474	761	100	861	2,045	156	2,201	861	5	866	5,793	728	6,521	3,748	572	4,320	1,675	3,660	5,335
1979 - 80	254	32	286	368	79	447	1,554	337	1,891	932	226	1,158	3,068	508	3,576	1,514	171	1,685	3,093	1,580	4,673
1980 - 81	427	69	496	668	177	845	3,706	349	4,055	2,611	103	2,714	5,735	882	6,617	2,029	533	2,562	1,317	3,094	4,411
1981 - 82	452	76	528	849	237	1,086	3,595	293	3,888	2,294	-20	2,274	6,858	717	7,575	3,263	424	3,687	3,712	3,573	7,285
1982 - 83	379	52	431	574	203	777	2,702	278	2,980	1,749	23	1,772	4,615	695	5,310	1,913	417	2,330	2,148	3,612	5,760
1983 - 84	422	69	491	558	191	749	3,127	338	3,465	2,147	78	2,225	4,592	858	5,450	1,465	520	1,985	1,354	2,735	4,089
1984 - 85	545	66	611	708	189	897	3,917	240	4,157	2,664	-15	2,649	5,641	771	6,412	1,724	531	2,255	2,666	3,815	6,481
Mean	373	58	431	615	157	772	2,527	228	2,755	1,539	13	1,552	5,112	772	5,884	2,585	544	3,129	2,543	3,067	5,710
1985 - 86	325	52	377	589	224	813	2,629	413	3,042	1,715	137	1,852	4,517	1,170	5,687	1,888	757	2,645	1,164	3,120	4,284
1986 - 87	211	58	269	613	147	760	1,715	179	1,894	891	-26	865	3,593	485	4,078	1,878	306	2,184	3,028	3,102	6,130
1987 - 88	146	48	194	418	159	577	1,148	260	1,408	584	53	637	2,552	585	3,237	1,404	425	1,829	1,403	1,570	2,973
1988 - 89	366	61	427	321	130	451	1,905	183	2,088	1,218	-8	1,210	3,843	643	4,486	1,938	460	2,398	822	2,100	2,922
1989 - 90	247	46	293	536	165	701	1,993	233	2,226	1,210	22	1,232	3,316	605	3,921	1,323	372	1,695	1,762	2,644	4,406
1990 - 91	249	47	296	495	168	663	1,988	274	2,262	1,224	59	1,283	3,476	552	4,028	1,508	278	1,786	2,272	2,446	4,718
1991 - 92	250	60	310	535	158	693	1,849	174	2,023	1,064	-44	1,020	2,862	402	3,264	1,013	228	1,241	1,297	1,967	3,264
1992 - 93	307	58	365	598	175	773	1,485	359	1,844	580	126	706	2,555	563	3,118	1,070	204	1,274	569	1,836	2,405
1993 - 94	280	47	327	475	163	638	1,777	273	2,050	1,022	63	1,085	2,743	583	3,326	966	310	1,276	2,301	1,123	3,424
1994 - 95	388	45	433	495	170	665	4,488	376	4,864	3,605	161	3,766	7,112	624	7,736	2,624	248	2,872	1,055	3,504	4,559
1995 - 96	558	53	611	555	161	716	5,129	358	5,487	4,016	144	4,160	8,401	1,005	9,406	3,272	647	3,919	4,022	4,476	8,498
Mean	302	52	355	512	165	677	2,371	280	2,652	1,557	62	1,620	4,088	665	4,753	1,717	385	2,102	1,790	2,535	4,326
Mean 74-96	338	55	393	564	161	725	2,449	254	2,703	1,548	38	1,586	4,600	719	5,319	2,151	464	2,615	2,217	2,801	5,018
Yield (mm) 74-85	482	75	557	532	136	668	548	50	598	574	5	579	389	59	448	303	64	367	201	234	435
- Do - 85-96	391	68	458	443	143	536	515	61	575	581	23	605	311	51	362	201	45	247	136	193	329
- Do - 74-96	436	71	508	487	139	627	531	55	587	578	14	592	350	55	405	252	54	307	169	213	382

Data source: RID, DEDP and complemented data

Table 2.5.1 Runoff of Wet and Dry Season at Major Stations in Nan Basin (2)

(2)

Unit MCM

	Naresuan Inflow (8)			Upper Naresuan (9) = (8) - (7)			Naresuan Outflow (10)			Naresuan Diversion (11)			Khwa Noi (12) ###			Phitsanulok NSA (13)			Upper NSA Sideflow (14) = (13) - (10)		
	19,500			6,370			19,500			19,500						25,286			5,786		
	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total
1974 - 75													1,164	606	1,770	4,921	2,577	7,498			
1975 - 76													2,233	906	3,139	8,842	3,151	11,993			
1976 - 77													1,860	901	2,761	6,893	4,048	10,941			
1977 - 78													1,403	502	1,905	5,398	2,138	7,536			
1978 - 79													1,905	916	2,821	6,989	3,997	10,986			
1979 - 80													1,174	397	1,571	4,559	1,818	6,377			
1980 - 81													1,871	811	2,682	6,440	3,509	9,949			
1981 - 82													1,821	899	2,720	6,970	3,851	10,821			
1982 - 83	3,188	3,592	6,780	1,040	-20	1,020	2,830	3,447	6,277	358	145	503	1,167	867	2,034	3,962	3,908	7,870	1,132	461	1,593
1983 - 84	2,065	2,500	4,565	711	-235	476	1,879	2,245	3,924	386	255	641	1,075	886	1,781	3,330	2,878	6,208	1,651	633	2,284
1984 - 85	3,090	3,611	6,701	424	-204	220	2,601	3,354	5,955	489	257	746	1,315	895	2,210	4,909	4,099	9,008	2,308	745	3,053
Mean	2,781	3,234	6,015	725	-153	572	2,370	3,015	5,385	411	219	630	1,544	762	2,307	5,747	3,270	9,017	1,697	613	2,310
1985 - 86	1,918	2,830	4,748	754	-290	464	1,564	2,582	4,146	354	248	602	1,348	848	2,196	4,035	3,540	7,575	2,471	958	3,429
1986 - 87	3,203	2,710	5,913	175	-392	-217	2,472	2,376	4,848	731	334	1,065	1,053	662	1,715	4,406	3,179	7,585	1,934	803	2,737
1987 - 88	1,914	1,538	3,452	511	-32	479	1,227	1,307	2,534	687	231	918	802	471	1,273	2,544	1,982	4,526	1,317	675	1,992
1988 - 89	1,839	2,756	4,595	1,017	656	1,673	1,121	2,215	3,336	718	541	1,259	595	397	992	1,709	1,748	3,457	588	-467	121
1989 - 90	1,673	2,824	4,497	-89	-20	-109	991	2,188	3,179	682	436	1,118	651	565	1,216	2,256	2,606	4,862	1,265	418	1,683
1990 - 91	2,843	2,407	5,250	571	-39	532	2,120	2,047	4,167	723	360	1,083	1,151	526	1,677	4,108	2,456	6,564	1,988	409	2,397
1991 - 92	1,572	1,488	3,060	275	-481	-206	1,021	1,010	2,031	551	476	1,027	764	304	1,068	2,746	1,474	4,220	1,725	464	2,189
1992 - 93	1,045	1,461	2,506	476	-375	101	666	1,429	2,095	379	32	411	503	410	913	1,711	1,866	3,577	1,045	437	1,482
1993 - 94	2,140	911	3,051	-161	-212	-373	1,589	885	2,474	551	26	577	737	95	832	2,736	1,338	4,074	1,147	453	1,600
1994 - 95	2,587	3,282	5,869	1,512	-222	1,290	2,154	2,817	4,971	413	402	815	2,489	108	2,597	5,446	3,259	8,705	3,292	442	3,734
1995 - 96	7,601	4,247	11,848	3,579	-229	3,350	7,481	3,638	11,119	120	609	729	2,677	262	2,939	10,807	4,153	14,960	3,326	515	3,841
Mean	2,574	2,387	4,961	784	-149	635	2,037	2,045	4,082	537	336	873	1,161	423	1,583	3,864	2,509	6,373	1,827	484	2,291
Mean 74-96	2,678	2,810	5,488	754	-151	603	2,203	2,530	4,734	474	277	752	1,353	592	1,945	4,805	2,890	7,695	1,762	539	2,301
Yield (mm) 74-8	143	166	308	114	-24	90	122	155	276	21	11	32	267	132	399	227	129	357	293	106	399
- Do - 85-96	132	122	254	123	-23	100	104	105	209	28	17	45	201	73	274	153	99	252	316	80	396
- Do - 74-96	137	144	281	118	-24	95	113	130	243	24	14	39	234	103	337	190	114	304	305	93	398

Data source: RID, DEDP and complemented data

Table 2.5.1 Runoff of Wet and Dry Season at Major Stations in Nan Basin (3)

(3)
Unit MCM

	Phichit N7 ⑬			Upper N7 Sideflow ⑭ = ⑬ - ⑮			Chum Saeng N14 ⑯			Upper N14 Sideflow ⑰ = ⑱ - ⑲			Downstream N14 ⑳ = ㉑*28%			Nan Total ㉒ = ㉓ + ㉔		
	29,153			3,867			33,197			4,044			1,103			34,330		
	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total
1974 - 75	5,517	2,874	8,391	596	297	893	5,066	2,393	7,459	-451	-481	-932	-126	-135	-261	4,940	2,258	7,198
1975 - 76	10,595	4,296	14,891	1,753	1,145	2,898	12,568	4,116	16,684	1,973	-180	1,793	552	-50	502	13,120	4,066	17,186
1976 - 77	8,816	4,270	13,086	1,923	222	2,145	10,145	4,209	14,354	1,329	-61	1,268	372	-17	355	10,517	4,192	14,709
1977 - 78	6,614	2,378	8,992	1,216	240	1,456	6,724	2,528	9,252	110	150	260	31	42	73	6,755	2,570	9,325
1978 - 79	9,028	4,343	13,371	2,039	346	2,385	11,029	3,134	14,163	2,001	-1,209	792	560	-339	222	11,589	2,795	14,385
1979 - 80	5,564	1,881	7,445	1,005	63	1,068	5,897	1,913	7,810	333	32	365	93	9	102	5,990	1,922	7,912
1980 - 81	8,868	3,842	12,710	2,428	333	2,761	12,442	3,382	15,824	3,574	-460	3,114	1,001	-129	872	13,443	3,253	16,696
1981 - 82	8,632	4,262	12,894	1,662	411	2,073	9,293	3,255	12,548	661	-1,007	-346	185	-282	-97	9,478	2,973	12,451
1982 - 83	5,528	3,251	8,779	1,566	-657	909	4,951	2,352	7,303	-577	-899	-1,476	-162	-252	-413	4,789	2,100	6,890
1983 - 84	4,107	4,240	8,347	777	1,362	2,139	6,096	3,564	9,660	1,989	-676	1,313	557	-189	368	6,653	3,375	10,028
1984 - 85	6,232	4,021	10,253	1,323	-78	1,245	6,969	3,294	10,263	737	-727	10	206	-204	3	7,175	3,090	10,266
Mean	7,227	3,605	10,833	1,481	335	1,816	8,289	3,104	11,393	1,062	-502	560	297	-140	157	8,586	2,963	11,550
1985 - 86	6,389	4,020	10,409	2,354	480	2,834	7,036	4,065	11,101	647	45	692	181	13	194	7,217	4,078	11,295
1986 - 87	4,990	3,136	8,126	584	-43	541	5,201	2,786	7,987	211	-350	-139	59	-98	-39	5,260	2,688	7,948
1987 - 88	3,801	2,230	6,031	1,257	248	1,505	4,130	1,581	5,711	329	-649	-320	92	-182	-90	4,222	1,399	5,621
1988 - 89	2,820	1,872	4,692	1,111	124	1,235	2,185	1,337	3,522	-635	-535	-1,170	-178	-150	-328	2,007	1,187	3,194
1989 - 90	3,085	2,676	5,761	829	70	899	3,272	1,926	5,198	187	-750	-563	52	-210	-158	3,324	1,716	5,040
1990 - 91	5,456	2,494	7,950	1,348	38	1,386	4,887	1,873	6,760	-569	-621	-1,190	-159	-174	-333	4,728	1,699	6,427
1991 - 92	3,619	1,441	5,060	873	-33	840	3,313	1,264	4,577	-306	-177	-483	-86	-50	-135	3,227	1,214	4,442
1992 - 93	2,384	1,943	4,327	673	77	750	3,417	1,801	5,218	1,033	-142	891	289	-40	249	3,706	1,761	5,467
1993 - 94	3,495	1,559	5,054	759	221	980	3,885	1,465	5,350	390	-94	296	109	-26	83	3,994	1,439	5,433
1994 - 95	8,571	4,075	12,646	3,125	816	3,941	9,498	3,559	13,057	927	-516	411	260	-144	115	9,758	3,415	13,172
1995 - 96	12,977	5,558	18,535	2,170	1,405	3,575	13,141	5,240	18,381	164	-318	-154	46	-89	-43	13,187	5,151	18,338
Mean	5,235	2,819	8,054	1,371	309	1,681	5,451	2,445	7,897	216	-373	-157	61	-105	-44	5,512	2,341	7,853
Mean 74-96	6,231	3,212	9,443	1,426	322	1,748	6,870	2,774	9,645	639	-438	201	179	-123	56	7,049	2,652	9,701
Yield (mm) 74~85	248	124	372	383	87	470	250	93	343	263	-124	138	270	-127	142	250	86	336
- Do - 85~96	180	97	276	355	80	435	164	74	238	53	-92	-39	55	-95	-40	161	68	229
- Do - 74~96	214	110	324	369	83	452	207	84	291	158	-108	50	162	-111	51	205	77	283

Data source: RID, DEDP and complemented data

(4)
Unit MCM

Table 2.5.3 Runoff of Wet and Dry Season at Major Stations in Ping and Wang

	Bhumiphol Inflow ①			Bhumiphol Outflow ②			Wang W4A ③			Ping, P7A ④			Upper P7A Sideflow (5) = ④ - (② + ③)			Downstream P7A (6) = ⑤ * 32%			Total of Ping & Wang (7) = ④ + ⑥		
	26,100			26,100			10,507			42,700			6,093			2,000			44,700		
	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total
1974 - 75	5,427	1,167	6,594	2,391	3,123	5,514	1,587	197	1,784	6,258	3,665	9,923	2,280	345	2,625	729	110	840	6,987	3,775	10,763
1975 - 76	7,654	1,150	8,804	3,712	3,908	7,620	1,882	170	2,053	7,373	4,139	11,512	1,779	61	1,839	569	19	589	7,942	4,158	12,101
1976 - 77	4,038	893	4,931	3,423	3,874	7,297	1,073	152	1,225	6,008	4,157	10,165	1,512	131	1,643	484	42	526	6,492	4,199	10,691
1977 - 78	4,681	837	5,518	3,607	2,968	6,573	1,055	160	1,215	4,891	3,188	8,079	229	62	291	73	20	93	4,964	3,208	8,172
1978 - 79	6,379	470	6,849	2,055	3,551	5,606	1,507	114	1,620	4,993	3,814	8,807	1,431	150	1,581	458	48	506	5,451	3,862	9,313
1979 - 80	2,849	325	3,174	3,682	2,020	5,702	492	55	547	4,818	2,423	7,240	643	348	991	206	111	317	5,023	2,534	7,557
1980 - 81	5,596	652	6,248	659	2,995	3,654	939	124	1,063	3,125	2,897	6,021	1,526	-222	1,304	488	-71	417	3,613	2,826	6,439
1981 - 82	4,599	878	5,477	1,578	3,085	4,663	1,156	134	1,290	3,558	3,094	6,651	823	-125	698	263	-40	223	3,821	3,053	6,875
1982 - 83	4,725	409	5,134	2,691	3,582	6,273	361	36	397	3,707	3,798	7,505	656	179	835	210	57	267	3,917	3,855	7,772
1983 - 84	4,538	675	5,213	1,063	2,920	3,983	684	81	766	4,151	2,796	6,947	2,403	-206	2,198	769	-66	703	4,920	2,730	7,650
1984 - 85	3,656	444	4,100	1,407	2,494	3,901	485	57	543	2,331	2,602	4,933	439	51	490	140	16	157	2,472	2,618	5,090
Mean	4,922	718	5,640	2,388	3,138	5,526	1,020	116	1,137	4,656	3,325	7,980	1,247	70	1,318	399	23	422	5,055	3,347	8,402
1985 - 86	5,124	1,209	6,333	874	2,939	3,813	687	185	871	2,635	3,036	5,671	1,074	-88	987	344	-28	316	2,979	3,008	5,987
1986 - 87	3,072	418	3,490	2,723	3,321	6,044	533	42	575	4,020	3,432	7,452	764	70	833	244	22	267	4,264	3,454	7,719
1987 - 88	4,159	783	4,942	1,923	2,854	4,777	909	114	1,023	3,878	3,144	7,022	1,046	176	1,222	335	56	391	4,212	3,200	7,413
1988 - 89	5,429	740	6,169	258	4,323	4,581	1,255	89	1,345	3,464	3,986	7,450	1,951	-426	1,525	624	-136	488	4,088	3,850	7,938
1989 - 90	3,803	622	4,425	1,921	3,382	5,303	885	69	953	3,489	3,788	7,277	684	337	1,021	219	108	327	3,708	3,896	7,604
1990 - 91	3,360	296	3,656	2,210	2,277	4,487	523	37	560	3,178	2,238	5,416	444	-76	369	142	-24	118	3,320	2,214	5,534
1991 - 92	3,948	312	4,260	1,003	2,935	3,938	410	49	459	1,744	2,997	4,741	331	13	344	106	4	110	1,850	3,001	4,851
1992 - 93	3,651	616	4,267	429	2,604	3,033	457	102	559	1,793	2,786	4,579	907	80	987	290	26	316	2,083	2,812	4,895
1993 - 94	2,017	545	2,562	1,802	988	2,790	345	187	532	2,645	886	3,531	498	-289	209	159	-92	67	2,805	794	3,598
1994 - 95	7,035	961	7,996	848	3,294	4,142	1,638	108	1,746	3,496	3,115	6,611	1,010	-287	723	323	-92	231	3,819	3,023	6,842
1995 - 96	5,737	1,129	6,866	1,360	4,508	5,868	1,044	114	1,158	3,317	4,251	7,568	913	-371	542	292	-119	174	3,609	4,132	7,741
Mean	4,303	694	4,997	1,396	3,039	4,434	790	99	889	3,060	3,060	6,120	875	-78	796	280	-25	255	3,340	3,035	6,375
Mean 74-96	4,613	706	5,319	1,892	3,088	4,980	905	108	1,013	3,858	3,192	7,050	1,061	-4	1,057	340	-1	338	4,197	3,191	7,388
Yield (mm) 74-85	189	28	216	91	120	212	97	11	108	109	78	187	205	12	216	200	11	211	113	75	188
- Do - 85-96	165	27	191	53	116	170	75	9	85	72	72	143	144	-13	131	140	-13	127	75	68	143

Table 2.5.4 Runoff of Wet and Dry Season at Major Stations in Pasak and Sakae Krang Basin (6)

	Unit MCM					
	Pasak S9 ①			Pasak Total ②		
	Wet	Dry	Total	Wet	Dry	Total
1974 - 75						
1975 - 76						
1976 - 77						
1977 - 78						
1978 - 79						
1979 - 80						
1980 - 81						
1981 - 82						
1982 - 83						
1983 - 84						
1984 - 85						
Mean						
1985 - 86	3,254	318	3,572	3,688	361	4,049
1986 - 87	921	127	1,048	1,044	144	1,188
1987 - 88	2,863	390	3,254	3,245	442	3,688
1988 - 89	1,486	140	1,626	1,685	159	1,843
1989 - 90	1,235	87	1,322	1,399	99	1,498
1990 - 91	2,066	106	2,172	2,341	120	2,462
1991 - 92	2,735	125	2,860	3,100	142	3,242
1992 - 93	1,140	94	1,234	1,292	107	1,398
1993 - 94	594	93	687	673	106	779
1994 - 95	2,573	94	2,668	2,917	107	3,024
1995 - 96	3,906	249	4,155	4,427	282	4,709
Mean	2,070	166	2,236	2,346	188	2,534
Mean 74-96	2,070	166	2,236	2,346	188	2,534
Yield (mm) 74~85						
- Do - 85~96	144	12	156	144	12	156
- Do - 74~96	144	12	156	144	12	156

Data source: RID, DEDP and complemented data

Table 2.5.5 Runoff of Wet and Dry Season at Major Stations in Chao Phraya Basin

	Ping-Yom-Nan ①			Nakhon Sawan C2 ②			Upper C2 Sidelow ③=②-①			Chai Nat Inflow ④			Upper Chai Nat Sidelow ⑤=④-②			Chai Nat Release ⑥			Chai Nat Division ⑦		
	102,630			110,569			7,939			119,000			8,431			119,000			119,000		
	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total
1974 - 75	14,972	6,627	21,598	15,190	6,834	22,024	218	207	426	16,971	6,712	23,683	1,781	-122	1,659	9,620	3,072	12,692	7,351	3,640	10,991
1975 - 76	25,122	8,565	33,687	28,627	9,440	38,067	3,505	875	4,380	29,763	9,008	38,771	1,136	-432	704	20,971	5,084	26,055	8,792	3,924	12,716
1976 - 77	19,687	8,660	28,347	22,342	8,982	31,324	2,655	322	2,977	21,901	8,655	30,556	-441	-327	-768	12,906	3,428	16,334	8,995	5,227	14,222
1977 - 78	13,711	5,921	19,633	14,347	5,609	19,956	636	-312	323	13,301	5,073	18,374	-1,046	-536	-1,582	4,394	1,630	6,024	8,907	3,443	12,350
1978 - 79	21,163	6,808	27,971	24,266	8,157	32,423	3,103	1,349	4,452	25,503	7,667	33,170	1,237	-490	747	18,140	1,861	20,001	7,363	5,806	13,169
1979 - 80	12,116	4,496	16,612	11,879	4,423	16,302	-237	-73	-310	11,615	4,376	15,991	-264	-47	-311	3,467	1,779	5,246	8,148	2,597	10,745
1980 - 81	22,513	6,311	28,824	24,049	7,248	31,297	1,536	937	2,473	26,985	6,937	33,922	2,936	-311	2,625	18,795	2,387	21,182	8,190	4,550	12,740
1981 - 82	17,226	6,403	23,629	17,558	7,982	25,520	332	1,559	1,891	20,541	8,406	28,947	2,983	444	3,427	11,430	3,062	14,492	9,111	5,344	14,455
1982 - 83	11,279	6,119	17,398	12,489	7,558	20,057	1,220	1,439	2,659	13,301	7,578	20,879	802	20	822	4,486	1,957	6,443	8,815	5,621	14,436
1983 - 84	14,945	6,546	21,491	15,819	7,795	23,614	874	1,249	2,123	20,306	7,708	28,014	4,487	-87	4,400	14,252	2,958	17,210	6,054	4,750	10,804
1984 - 85	14,007	5,983	19,990	11,627	7,215	18,842	-2,380	1,232	-1,148	12,258	7,075	19,333	631	-140	491	3,159	1,597	4,756	9,099	5,478	14,577
Mean	16,976	6,585	23,562	18,018	7,384	25,402	1,042	798	1,841	19,313	7,200	26,513	1,295	-184	1,110	11,056	2,620	13,676	8,257	4,580	12,837
1985 - 86	12,913	7,476	20,388	15,097	9,328	24,425	2,184	1,852	4,037	17,121	9,326	26,447	2,024	-2	2,022	8,853	4,748	13,601	8,268	4,578	12,846
1986 - 87	11,694	6,291	17,985	11,866	6,901	18,767	192	610	802	12,042	6,587	18,629	158	-314	-158	3,997	1,635	5,632	8,045	4,952	12,997
1987 - 88	11,132	4,824	15,956	11,413	6,144	17,557	281	1,320	1,601	12,025	5,725	17,750	612	-419	193	5,574	1,834	7,408	6,451	3,891	10,342
1988 - 89	10,224	5,295	15,520	12,230	6,671	18,901	2,006	1,376	3,381	16,817	6,305	23,122	4,587	-366	4,221	10,628	1,580	12,208	6,189	4,725	10,914
1989 - 90	9,806	5,816	15,622	10,057	6,301	16,358	251	485	736	10,331	5,845	16,176	274	-456	-182	3,151	1,543	4,694	7,180	4,302	11,482
1990 - 91	10,546	4,123	14,669	10,787	5,148	15,935	241	1,025	1,266	11,333	4,804	16,137	546	-344	202	4,965	1,276	6,241	6,368	3,528	9,896
1991 - 92	7,272	4,382	11,654	9,557	4,292	13,849	2,285	-90	2,195	9,234	3,731	12,965	-323	-561	-884	3,621	1,123	4,744	5,613	2,608	8,221
1992 - 93	7,991	4,765	12,756	7,499	4,833	12,332	-492	68	-424	8,504	4,057	12,601	1,005	-736	269	3,544	1,343	4,887	4,960	2,754	7,714
1993 - 94	7,999	2,352	10,251	6,903	2,887	9,790	-996	535	-461	6,255	2,332	8,587	-648	-555	-1,203	1,820	830	2,650	4,435	1,502	5,937
1994 - 95	19,191	6,507	25,698	18,941	6,418	25,360	-249	-89	-338	20,487	6,222	26,709	1,546	-196	1,349	12,732	1,120	13,852	7,755	5,102	12,857
1995 - 96	22,243	9,563	31,806	27,874	9,707	37,581	5,631	144	5,775	31,557	9,304	40,861	3,683	-403	3,280	25,836	3,316	29,152	5,721	5,988	11,709
Mean	11,901	5,581	17,482	12,931	6,239	19,170	1,030	658	1,688	14,155	5,843	19,999	1,224	-396	828	7,702	1,850	9,552	6,453	3,994	10,447
Mean 74-96	14,439	6,083	20,522	15,475	6,812	22,288	1,036	728	1,764	16,734	6,522	23,256	1,259	-290	969	9,379	2,235	11,614	7,355	4,287	11,642
Yield (mm) 74-85	165	64	230	163	67	230	131	101	232	162	61	223	154	-22	132	93	22	115	69	38	108
- Do - 85-86	116	54	170	117	56	173	130	83	213	119	49	168	145	-47	98	65	16	80	54	34	88
- Do - 74-86	141	59	200	140	62	202	131	92	222	141	55	195	149	-34	115	79	19	98	62	36	98

Data source: RID, DEDP and complemented data

Table 2.5.6 Runoff of Wet and Dry Season at Major Station in Kok Basin (1/2)

(8)

	Tha Don GN3			Kok Bridge G2A			Upper G2A Sideflow			Kok-Lao GN15			Mae Chan, GN1			Lower G2A Sideflow			Unit MCM
	2,980			6,063			3,083			3,080			10,300			1,157			
	①			②			③ = ② - ①			④			⑤			⑥ = ⑤ - (② + ④)			
	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	
1974 - 75	1,240	414	1,655	2,379	865	3,243	1,139	450	1,589	650	141	791	3,496	928	4,424	467	-78	389	
1975 - 76	1,843	510	2,353	3,416	1,002	4,417	1,573	492	2,064	1,069	157	1,226	5,005	991	5,996	520	-167	353	
1976 - 77	1,283	505	1,787	2,411	864	3,274	1,128	359	1,487	657	190	847	3,327	996	4,323	259	-58	201	
1977 - 78	1,421	555	1,976	2,658	808	3,466	1,237	253	1,490	746	238	984	4,137	1,267	5,403	733	220	953	
1978 - 79	2,077	526	2,603	3,372	599	3,970	1,295	73	1,367	1,055	113	1,169	5,940	873	6,813	1,513	161	1,674	
1979 - 80	1,117	301	1,419	1,717	233	1,951	600	-68	532	541	55	597	3,243	549	3,791	984	260	1,244	
1980 - 81	1,588	532	2,120	2,326	674	3,000	738	142	880	1,226	112	1,339	4,601	997	5,598	1,048	211	1,259	
1981 - 82	2,170	631	2,801	4,461	1,093	5,555	2,291	463	2,754	759	125	883	5,060	1,102	6,162	-161	-116	-276	
1982 - 83	1,926	523	2,450	2,468	633	3,101	542	109	651	594	74	668	4,096	853	4,949	1,034	146	1,180	
1983 - 84	1,745	306	2,051	3,315	1,050	4,365	1,570	744	2,314	800	159	959	4,690	1,274	5,964	575	64	639	
1984 - 85	672	394	1,066	2,614	783	3,397	1,942	389	2,331	606	109	715	3,931	907	4,839	711	16	727	
Mean	1,553	473	2,025	2,831	782	3,613	1,278	310	1,587	791	134	925	4,320	976	5,296	699	60	759	
1985 - 86	1,910	633	2,543	2,951	1,021	3,971	1,041	388	1,429	747	224	971	4,311	1,293	5,604	614	49	662	
1986 - 87	1,125	392	1,517	1,984	669	2,653	859	277	1,135	632	130	762	2,964	839	3,802	348	40	388	
1987 - 88	1,135	417	1,552	2,033	698	2,731	898	282	1,180	442	195	637	2,841	928	3,769	365	35	400	
1988 - 89	1,664	432	2,096	2,964	640	3,604	1,300	208	1,508	881	107	988	5,020	866	5,886	1,175	119	1,294	
1989 - 90	1,675	536	2,211	2,556	619	3,176	881	83	964	622	97	720	4,509	873	5,382	1,330	156	1,486	
1990 - 91	1,437	429	1,866	2,120	580	2,700	684	151	834	456	75	531	3,409	926	4,335	833	271	1,104	
1991 - 92	1,673	469	2,142	2,624	701	3,325	951	232	1,183	589	50	639	3,978	744	4,722	765	-7	758	
1992 - 93	999	336	1,335	1,661	547	2,207	662	210	872	347	101	448	2,644	871	3,515	636	224	860	
1993 - 94	1,439	424	1,863	2,338	645	3,227	899	221	1,364	385	127	512	2,965	831	3,796	242	60	58	
1994 - 95	2,123	596	2,719	3,456	895	4,267	1,333	299	1,548	1,149	169	1,318	5,338	1,187	6,525	733	123	940	
1995 - 96	1,808	488	2,296	2,936	741	3,826	1,128	253	1,530	929	154	1,083	4,531	969	5,500	666	74	591	
Mean	1,544	468	2,013	2,511	705	3,244	967	237	1,232	653	130	782	3,865	939	4,803	701	104	777	
Mean 74-96	1,549	470	2,019	2,671	744	3,429	1,122	273	1,409	722	132	854	4,092	957	5,050	700	82	768	
Yield (mm) 74~85	521	159	680	467	129	596	414	100	515	257	44	300	419	95	514	604	52	656	
- Do - 85~96	518	157	675	414	116	535	314	77	399	212	42	254	375	91	466	606	90	671	
- Do - 74~96	520	158	678	441	123	565	364	89	457	234	43	277	397	93	490	605	71	663	

Data source: RID, DEDP and complemented data

(8)
Unit MCM
Table 2.5.6 Runoff of Wet and Dry Season at Major Station in Kok Basin (1/2)

	Tha Don GN3			Kok Bridge G2A			Upper G2A Sideflow			Kok-Lao GN15			Mac Chan, GN1			Lower G2A Sideflow		
	2,980			6,063			3,083			3,080			10,300			1,157		
	①			②			③ = ② - ①			④			⑤			⑥ = ⑤ - (② + ④)		
	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total
1974 - 75	1,240	414	1,655	2,379	865	3,243	1,139	450	1,589	650	141	791	3,496	928	4,424	467	-78	389
1975 - 76	1,843	510	2,353	3,416	1,002	4,417	1,573	492	2,064	1,069	157	1,226	5,005	991	5,996	520	-167	353
1976 - 77	1,283	505	1,787	2,411	864	3,274	1,128	359	1,487	657	190	847	3,327	996	4,323	259	-58	201
1977 - 78	1,421	555	1,976	2,658	808	3,466	1,237	253	1,490	746	238	984	4,137	1,267	5,403	733	220	953
1978 - 79	2,077	526	2,603	3,372	599	3,970	1,295	73	1,367	1,055	113	1,169	5,940	873	6,813	1,513	161	1,674
1979 - 80	1,117	301	1,419	1,717	233	1,951	600	-68	532	541	55	597	3,243	549	3,791	984	260	1,244
1980 - 81	1,588	532	2,120	2,326	674	3,000	738	142	880	1,226	112	1,339	4,601	997	5,598	1,048	211	1,259
1981 - 82	2,170	631	2,801	4,461	1,093	5,555	2,291	463	2,754	759	125	883	5,060	1,102	6,162	-161	-116	-276
1982 - 83	1,926	523	2,450	2,468	633	3,101	542	109	651	594	74	668	4,096	853	4,949	1,034	146	1,180
1983 - 84	1,745	306	2,051	3,315	1,050	4,365	1,570	744	2,314	800	159	959	4,690	1,274	5,964	575	64	639
1984 - 85	672	394	1,066	2,614	783	3,397	1,942	389	2,331	606	109	715	3,931	907	4,839	711	16	727
Mean	1,553	473	2,025	2,831	782	3,613	1,278	310	1,587	791	134	925	4,320	976	5,296	699	60	759
1985 - 86	1,910	633	2,543	2,951	1,021	3,971	1,041	388	1,429	747	224	971	4,311	1,293	5,604	614	49	662
1986 - 87	1,125	392	1,517	1,984	669	2,653	859	277	1,135	632	130	762	2,964	839	3,802	348	40	388
1987 - 88	1,135	417	1,552	2,033	698	2,731	898	282	1,180	442	195	637	2,841	928	3,769	365	35	400
1988 - 89	1,664	432	2,096	2,964	640	3,604	1,300	208	1,508	881	107	988	5,020	866	5,886	1,175	119	1,294
1989 - 90	1,675	536	2,211	2,556	619	3,176	881	83	964	622	97	720	4,509	873	5,382	1,330	156	1,486
1990 - 91	1,437	429	1,866	2,120	580	2,700	684	151	834	456	75	531	3,409	926	4,335	833	271	1,104
1991 - 92	1,673	469	2,142	2,624	701	3,325	951	232	1,183	589	50	639	3,978	744	4,722	765	-7	758
1992 - 93	999	336	1,335	1,661	547	2,207	662	210	872	347	101	448	2,644	871	3,515	636	224	860
1993 - 94	1,439	424	1,863	2,338	645	3,227	899	221	1,364	385	127	512	2,965	831	3,796	242	60	58
1994 - 95	2,123	596	2,719	3,456	895	4,267	1,333	299	1,548	1,149	169	1,318	5,338	1,187	6,525	733	123	940
1995 - 96	1,808	488	2,296	2,936	741	3,826	1,128	253	1,530	929	154	1,083	4,531	969	5,500	666	74	591
Mean	1,544	468	2,013	2,511	705	3,244	967	237	1,232	653	130	782	3,865	939	4,803	701	104	777
Mean 74-96	1,549	470	2,019	2,671	744	3,429	1,122	273	1,409	722	132	854	4,092	957	5,050	700	82	768
Yield (mm) 74~85	521	159	680	467	129	596	414	100	515	257	44	300	419	95	514	604	52	656
- Do - 85~96	518	157	675	414	116	535	314	77	399	212	42	254	375	91	466	606	90	671
- Do - 74~96	520	158	678	441	123	565	364	89	457	234	43	277	397	93	490	605	71	663

Data source: RID, DEDP and complemented data

Table 2.5.7 Runoff of Wet and Dry Season at Major Stations in Ing Basin (1/2)

Unit MCM

	Pra Mong IN3				Khao Ing Rod IN2				Upper IN2 Sideflow				Thoeng IN1				Upper IN1 Sideflow				Ing-Lao				Ing Weir Site			
	1,210				3,450				2,240				5,700				2,250				1,260				4,440			
	①				②				③ = ② - ①				④				⑤ = ④ - ②				⑥ = ⑤ × 67%				⑦ = ⑥ - ③			
	Wet	Dry	Total		Wet	Dry	Total		Wet	Dry	Total		Wet	Dry	Total		Wet	Dry	Total		Wet	Dry	Total		Wet	Dry	Total	
1974 - 75	242	53	295		787	106	893		545	53	598		1,759	190	1,949		972	84	1,056		553	57	610		1,106	133	1,239	
1975 - 76	305	30	335		1,293	63	1,356		988	33	1,021		2,644	144	2,788		1,351	81	1,431		908	54	962		1,736	90	1,826	
1976 - 77	186	31	217		752	69	821		566	38	604		1,315	162	1,477		563	93	656		378	63	441		937	100	1,037	
1977 - 78	301	38	339		1,217	92	1,309		916	54	970		2,264	209	2,473		1,047	117	1,165		704	79	783		1,560	131	1,691	
1978 - 79	314	11	325		1,310	19	1,329		996	8	1,005		2,519	93	2,612		1,209	74	1,283		812	50	862		1,707	44	1,751	
1979 - 80	78	16	94		476	17	492		398	1	398		892	41	933		417	24	441		280	16	296		612	24	636	
1980 - 81	325	40	365		1,331	66	1,397		1,006	26	1,032		2,718	193	2,910		1,386	127	1,513		931	85	1,016		1,786	108	1,894	
1981 - 82	171	25	196		728	65	794		557	40	598		1,595	165	1,760		867	99	966		583	67	650		1,013	98	1,111	
1982 - 83	99	13	112		424	11	435		325	-2	323		937	53	990		513	42	555		345	28	373		592	25	617	
1983 - 84	192	24	216		764	50	814		572	26	598		1,490	143	1,633		726	93	819		488	62	550		1,002	81	1,083	
1984 - 85	209	23	232		826	27	853		617	4	621		1,767	95	1,862		941	68	1,009		632	46	678		1,135	49	1,184	
Mean	220	28	248		901	53	954		681	26	706		1,809	135	1,944		908	82	990		610	55	665		1,199	80	1,279	
1985 - 86	201	40	241		778	144	922		577	104	681		1,589	309	1,898		811	165	976		545	111	656		1,044	198	1,242	
1986 - 87	134	17	151		600	49	648		466	32	497		1,131	108	1,239		531	60	591		357	40	397		774	68	842	
1987 - 88	208	26	234		739	146	885		531	120	651		1,310	265	1,575		571	118	689		384	80	464		926	185	1,111	
1988 - 89	142	26	168		757	30	787		615	4	619		1,318	74	1,392		561	44	605		377	30	407		941	44	985	
1989 - 90	226	13	239		939	25	963		713	12	724		1,646	76	1,722		707	52	759		475	35	510		1,171	42	1,213	
1990 - 91	115	19	134		679	27	707		564	8	573		1,238	87	1,324		558	60	618		375	40	415		863	47	910	
1991 - 92	147	15	162		681	16	697		534	1	535		1,376	62	1,438		695	46	741		467	31	498		909	31	939	
1992 - 93	105	28	133		371	89	460		266	61	327		652	250	902		281	161	442		189	108	287		463	142	605	
1993 - 94	120	39	159		422	142	564		302	102	404		877	301	1,178		455	159	614		306	107	399		571	194	775	
1994 - 95	362	16	377		1,485	45	1,530		1,123	30	1,153		4,091	175	4,266		2,607	129	2,736		1,752	87	1,843		2,340	88	2,431	
1995 - 96	303	25	328		1,247	29	1,277		944	4	948		3,185	147	3,331		1,937	117	2,054		1,302	79	1,381		1,883	68	1,949	
Mean	188	24	212		791	67	858		603	43	647		1,674	168	1,842		883	101	984		593	68	661		1,080	101	1,181	
Mean 74-96	204	26	230		846	60	906		642	35	676		1,741	152	1,893		896	92	987		602	61	663		1,140	90	1,230	
Yield (mm) 74-96	182	23	205		261	15	277		304	11	315		317	24	341		404	36	440		484	44	528		511	18	529	
- Do - 85-96	155	20	175		229	20	249		269	19	289		294	30	323		392	45	437		471	54	525		508	23	528	
- Do - 74-96	168	21	190		245	17	263		287	15	302		306	27	332		398	41	439		478	49	527		509	20	529	

Data source: RID, DEDP and complemented data

Table 2.5.7 Runoff of Wet and Dry Season at Major Stations in Ing Basin (2/2)

	Tak			Lower Ing			Ing Total		
	340			1,080			7,120		
	③			④			⑩ = ④+③+⑨		
	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total
1974 - 75	109	9	119	448	39	487	2,316	239	2,554
1975 - 76	152	9	161	622	37	660	3,418	191	3,608
1976 - 77	63	10	74	259	43	302	1,638	215	1,853
1977 - 78	118	13	131	483	54	537	2,865	276	3,141
1978 - 79	136	8	144	557	34	591	3,212	136	3,347
1979 - 80	47	3	49	192	11	203	1,131	55	1,185
1980 - 81	156	14	170	639	59	697	3,512	266	3,778
1981 - 82	97	11	109	400	46	445	2,092	222	2,314
1982 - 83	58	5	62	236	19	256	1,231	77	1,308
1983 - 84	82	10	92	335	43	377	1,906	196	2,102
1984 - 85	106	8	113	434	32	465	2,306	134	2,441
Mean	102	9	111	419	38	456	2,330	182	2,512
1985 - 86	91	19	110	374	76	450	2,054	403	2,457
1986 - 87	60	7	66	245	28	272	1,436	143	1,578
1987 - 88	64	13	77	263	55	318	1,637	333	1,970
1988 - 89	63	5	68	258	20	279	1,639	99	1,739
1989 - 90	79	6	85	326	24	350	2,051	106	2,157
1990 - 91	63	7	69	257	27	285	1,558	121	1,678
1991 - 92	78	5	83	320	21	341	1,774	88	1,862
1992 - 93	32	18	50	130	74	204	813	342	1,155
1993 - 94	51	18	69	210	73	283	1,137	392	1,529
1994 - 95	293	15	307	1,201	60	1,261	5,585	249	5,834
1995 - 96	218	13	231	893	54	947	4,295	214	4,509
Mean	99	11	111	407	47	453	2,180	226	2,406
Mean 74-96	101	10	111	413	42	455	2,255	204	2,459
Yield (mm) 74~8	300	27	327	388	35	423	327	26	353
- Do - 85~96	292	33	325	377	43	420	306	32	338
- Do - 74~96	296	30	326	382	39	421	317	29	345

Data source: RID, DEDP and complemented data

Table 2.6.1 Monthly and Total Suspended Sediment – B Tha Don (GN3/030504) – Kok Basin
MAE NAM KOK AT BAN THA DON (GN.3) 030504

Catchment Area = 2,980 km ²													Unit: t, t/km ²	
Year	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual	Yield
1969	2,876	1,139	780	368	977	7,479	34,414	284,572	46,139	15,575	10,997	4,562	409,879	137.5
1970	6,760	2,521	968	661	383	38,969	91,204	270,160	235,600	84,940	37,953	39,064	809,182	271.5
1971	9,483	4,928	4,440	2,376	3,982	10,063	113,105	303,670	140,020	55,290	28,131	18,931	694,419	233.0
1972	6,606	2,389	1,035	832	474	5,526	41,005	311,190	96,920	56,418	47,579	18,506	588,479	197.5
1975	9,867	4,652	3,337	228	5,662	13,113	47,784	103,800	136,480	67,180	30,757	18,423	441,282	148.1
1976	12,562	8,072	5,251	4,166	6,320	9,181	17,189	70,450	51,449	43,220	25,828	14,312	268,000	89.9
1977	6,692	3,010	1,937	2,757	6,313	3,412	67,117	50,763	113,470	64,670	33,509	16,233	369,882	124.1
1978	10,003	5,217	3,652	2,948	3,562	10,432	55,798	86,480	95,790	52,048	22,931	14,362	363,223	121.9
1979	7,042	3,120	1,754	981	2,452	5,886	8,242	70,691	49,113	17,987	7,108	4,311	178,686	60.0
1980	5,607	2,987	1,387	1,051	1,502	9,291	125,729	98,900	197,940	64,300	26,238	18,137	553,070	185.6
1981	19,411	12,700	8,599	7,217	37,194	39,576	130,275	224,760	149,210	116,150	70,050	44,380	859,522	288.4
1982	12,881	7,157	5,010	5,846	4,566	17,901	19,872	135,421	72,370	63,330	26,131	15,034	385,519	129.4
1983	9,906	5,785	4,141	2,390	2,884	7,177	21,904	77,720	90,470	47,054	51,507	24,229	345,167	115.8
1984	11,143	6,147	3,809	2,553	3,557	7,862	32,412	42,215	55,467	32,665	15,169	8,550	221,550	74.3
1985	6,215	3,289	1,918	1,521	3,844	9,654	48,566	121,110	143,570	46,519	44,267	19,242	449,715	150.9
1986	17,326	9,392	5,950	4,289	8,636	12,333	57,080	48,081	58,185	34,691	17,006	9,891	282,861	94.9
1987	10,781	5,876	4,711	3,265	3,068	7,984	13,840	48,017	31,235	21,077	18,385	11,052	179,291	60.2
1988	4,539	2,446	1,484	2,072	6,343	11,926	30,172	175,140	84,060	39,131	19,126	10,265	386,704	129.8
1989	6,183	3,354	2,436	1,361	3,203	9,579	39,610	47,324	69,189	65,570	25,765	13,759	287,333	96.4
1990	9,613	5,511	4,201	2,220	6,948	15,825	58,899	50,322	63,230	31,435	20,209	11,160	279,574	93.8
1991	8,607	4,850	3,069	3,593	4,950	24,373	29,328	91,900	79,480	40,044	34,119	18,449	342,763	115.0
1992	9,461	5,793	3,326	1,583	1,118	3,037	27,036	41,126	39,519	23,026	14,850	9,787	179,662	60.3
1993	5,104	2,214	1,222	523	1,915	8,128	46,243	79,864	91,250	49,591	20,810	10,013	316,877	106.3
1994	7,834	3,993	4,106	2,383	5,102	15,118	48,112	210,510	184,190	88,660	34,239	29,112	633,359	212.5
1995	13,480	8,323	5,641	3,957	5,439	7,930	29,402	94,036	101,330	35,434	22,255	13,133	340,360	114.2
Mean 75-87	10,726	5,954	3,958	3,016	6,889	11,831	49,678	90,647	95,750	51,607	29,914	16,781	376,751	126.4
Mean	9,199	4,995	3,367	2,446	5,216	12,470	49,374	125,529	99,027	50,240	28,197	16,596	406,654	136.5

Data source: DEDP

wet Season	364,837	0.90
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Dry Season	41,818	0.10
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Jul-Sep	273,929	0.67
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Table 2.6.2 Monthly and Total Suspended Sediment – B Tha Mai Liam (GN4/030501) – Kok Ba
NAM MAE KOK AT Thai Mai Liam 030501

Catchment area = 1,800 km² Unit: t/km²

Year	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual	Yield
1970	1,067	529	431	209	5,883	15,689	31,647	41,522	46,004	22,516	8,182	12,208	185,887	103.3
1971	3,636	1,818	1,400	1,026	4,892	6,041	27,517	34,378	29,121	22,907	13,576	7,404	153,716	85.4
1972	2,014	1,085	759	717	258	1,237	1,735	12,072	10,344	10,561	8,043	5,737	54,562	30.3
1973	2,645	1,441	1,638	818	1,416	1,844	6,102	10,005	9,697	7,104	4,775	3,028	50,512	28.1
1974	2,777	860	523	421	3,167	5,629	1,572	17,150	15,643	11,716	13,374	4,275	77,108	42.8
1975	6,659	1,202	809	760	520	14,458	12,805	29,357	48,087	32,159	12,650	5,893	165,359	91.9
1976	2,247	1,204	706	542	3,068	3,351	4,112	14,522	21,503	19,797	10,085	2,996	84,134	46.7
1977	2,362	839	694	1,856	1,903	612	3,818	4,854	17,444	12,197	7,667	3,268	57,512	32.0
1978	4,880	1,607	1,242	766	4,464	3,936	19,057	16,466	19,028	16,527	7,170	3,611	98,754	54.9
1979	3,875	1,566	962	708	4,177	12,972	7,004	40,501	48,454	49,275	7,763	3,421	180,677	100.4
1980	1,910	1,169	843	1,067	1,837	7,210	8,895	13,636	20,018	12,553	7,813	6,414	83,365	46.3
1981	1,580	783	277	164	5,105	3,124	13,116	23,322	18,054	15,313	13,853	5,352	100,043	55.6
1982	3,009	1,293	577	1,838	1,331	5,639	8,296	15,292	22,570	21,601	7,186	3,170	91,801	51.0
1983	1,792	835	533	323	724	1,752	3,731	14,360	16,095	15,992	14,811	6,101	77,049	42.8
1984	2,532	1,045	471	498	1,211	2,916	4,468	11,210	20,390	16,902	5,828	2,729	70,201	39.0
1985	1,688	809	345	1,326	3,080	4,365	5,608	10,872	16,311	11,204	18,041	6,650	80,297	44.6
1986	2,586	1,207	854	1,058	3,996	1,606	4,564	6,735	9,461	8,410	4,806	2,579	47,861	26.6
1987	3,591	1,218	995	606	816	2,011	1,752	10,107	9,396	7,233	6,830	2,898	47,454	26.4
1988	1,764	891	433	1,513	10,745	21,891	21,850	40,609	29,190	29,512	16,653	7,246	182,297	101.3
1989	1,205	482	413	232	1,088	2,354	7,307	9,764	13,082	13,849	5,015	2,664	57,456	31.9
1990	1,576	1,154	881	493	4,682	7,493	6,145	9,632	10,364	19,592	9,057	3,203	74,272	41.3
1991	1,428	781	719	1,088	1,082	2,051	2,874	14,069	28,704	7,550	5,289	2,652	68,265	37.9
1992	1,397	958	707	334	289	488	7,461	8,950	10,843	9,952	7,381	6,130	54,891	30.5
1993	2,040	853	850	833	2,007	2,733	5,309	3,579	7,254	8,276	4,142	2,281	40,158	22.3
1994	1,159	539	1,958	1,224	2,573	6,879	15,121	44,607	30,830	18,619	7,978	6,250	137,737	76.5
1995	3,621	1,804	1,295	968	3,681	1,809	7,440	71,774	54,002	14,268	10,049	4,794	175,504	97.5
Mean 75-87	2,978	1,137	716	886	2,479	4,919	7,479	16,249	22,062	18,397	9,577	4,237	91,116	50.6
Mean	2,501	1,076	820	823	2,846	5,388	9,204	20,359	22,380	16,753	9,154	4,729	96,034	53.4

Data source: DEDP

wet Season	83,239	0.87	Dry Season	12,795	0.13	Jul-Sep	51,944	0.54
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Table 2.6.3 Monthly and Total Suspended Sediment - B Pong Na Kham (GN2/030502) - Kok Basin
NAM MAE KOK AT BAN PONG NA KHAM (DAM SITE) 030502

Catchment area = 5,870 km ²															Unit: t. t/km ²	
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL	Yield		
1967	8,847	3,812	2,657	1,902	3,164	10,064	24,407	115,930	152,240	88,700	30,001	12,381	454,104	77		
1968	18,480	7,865	3,131	3,201	9,587	37,530	60,100	234,790	244,480	155,340	76,920	29,290	880,714	150		
1969	11,179	5,224	2,930	1,542	3,704	29,292	110,600	563,620	106,640	47,630	35,251	14,608	932,219	159		
1970	7,842	3,626	2,180	2,362	17,023	54,051	108,100	248,160	252,710	89,770	36,459	43,784	866,067	148		
1971	22,779	8,988	6,508	4,644	13,755	31,248	224,450	522,170	325,140	173,800	83,440	42,660	1,459,582	249		
1972	16,181	7,580	3,681	3,390	1,583	10,727	41,460	318,310	166,910	125,770	95,310	48,760	839,661	143		
1973	16,124	7,698	6,699	2,232	6,212	13,271	134,590	399,420	432,530	131,430	51,010	24,166	1,225,382	209		
1974	13,513	5,388	3,120	2,916	7,056	19,332	16,671	114,000	118,130	46,885	43,425	11,436	401,872	68		
1975	26,301	10,200	7,835	5,327	10,148	46,434	72,173	168,730	231,780	130,570	60,720	37,099	807,317	138		
1976	12,883	7,480	4,627	3,517	8,353	12,554	19,305	81,590	97,860	73,580	36,326	15,236	373,310	64		
1977	17,156	8,288	6,465	10,183	15,656	8,856	56,264	62,590	158,850	102,490	62,570	29,012	538,380	92		
1978	14,348	5,079	3,668	2,471	7,101	12,439	121,980	160,280	177,900	101,970	27,957	13,345	648,538	110		
1979	10,213	4,051	2,584	1,553	5,439	16,052	20,664	184,310	147,950	76,202	16,900	8,783	494,700	84		
1980	10,720	6,455	4,421	4,143	5,667	27,865	132,156	153,790	332,810	109,630	48,780	35,038	871,476	148		
1981	9,351	4,733	2,179	1,324	48,730	39,146	195,164	650,780	294,000	178,720	100,510	37,846	1,562,484	266		
1982	28,956	13,893	8,111	14,663	11,137	55,612	67,077	322,550	230,390	202,770	68,130	38,905	1,062,194	181		
1983	18,289	9,965	7,449	4,698	6,051	14,513	40,773	163,170	182,420	111,590	120,360	48,240	727,518	124		
1984	25,015	12,980	7,213	5,308	8,936	20,381	66,212	99,283	173,220	104,790	39,731	21,948	585,017	100		
1985	11,786	5,467	3,026	4,119	12,006	23,294	68,869	175,660	224,150	85,780	120,970	40,449	775,577	132		
1986	19,824	9,326	6,015	4,820	16,436	13,363	69,031	70,540	97,900	59,260	29,558	14,186	410,259	70		
1987	24,922	6,597	4,489	2,506	2,837	11,533	23,248	286,783	96,990	64,510	49,207	17,400	591,023	101		
1995	38,304	23,115	17,404	11,499	22,457	24,433	75,519	313,320	325,460	104,690	72,750	45,840	1,074,791	183		
Mean 75-87	17,674	8,040	5,237	4,972	12,192	23,234	73,301	198,466	188,171	107,836	60,132	27,499	726,753	124		
Mean	17,410	8,082	5,291	4,469	11,047	24,181	79,492	245,899	207,748	107,540	59,377	28,655	799,190	136		

Data source: DEDP			Dry Season		Jul-Sep	
Wet Season	724,236	0.91	74,954	0.09	533,139	0.67

Data source: DEDP

Wet Season	724,236	0.91
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Dry Season	74,954	0.09
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Jul-Sep	533,139	0.67
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Table 2.6.4 Monthly and Total Suspended Sediment – A Thoeng (IN1/020801) – Ing Basin
NAM MAE ING AT THOENG 020801

Catchment area = 5,700 km ²												Unit: ton, ton/km ²		
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL	Yield
1968	962	385	314	214	1,015	6,864	3,745	33,008	23,858	20,798	9,085	2,676	102,923	18.1
1969	961	454	287	119	195	4,826	15,876	53,823	26,653	9,296	9,457	3,108	125,056	21.9
1970	575	287	195	213	12,756	49,643	87,269	106,013	170,490	62,784	9,204	5,816	505,245	88.6
1971	3,788	1,351	808	554	1,019	2,831	19,149	52,234	80,570	39,958	12,236	5,146	219,645	38.5
1972	1,943	1,029	613	1,853	2,920	3,415	8,051	86,750	40,018	27,902	19,113	12,788	206,394	36.2
1973	4,773	2,203	2,759	1,300	3,104	11,530	45,148	559,740	641,920	141,647	19,225	10,940	1,444,288	253.4
1974	5,324	3,017	1,693	1,984	3,852	7,309	6,624	51,538	56,050	30,096	25,463	8,646	201,595	35.4
1975	10,062	3,209	1,186	480	1,180	22,505	46,753	147,540	156,490	78,700	19,477	7,407	494,988	86.8
1976	3,539	2,429	937	825	3,055	2,691	2,947	30,254	34,514	73,595	29,795	5,296	189,876	33.3
1977	4,821	1,161	743	2,278	4,460	1,387	16,556	56,044	122,630	90,630	35,252	7,384	343,345	60.2
1978	6,775	1,838	857	797	4,097	10,246	82,616	93,060	119,630	48,830	9,510	3,065	381,322	66.9
1979	2,069	879	524	469	4,009	18,696	19,045	39,069	35,579	22,895	5,160	2,266	150,660	26.4
1980	581	281	222	227	326	7,874	40,604	81,069	139,460		11,185	5,532		
1981	1,753	801	279	553	4,071	6,594	61,540	76,193	42,902	15,506	22,462	8,259	240,912	42.3
1982	1,443	584	271	2,457	1,218	3,227	4,363	17,175	35,104	44,720	6,026	1,418	118,005	20.7
1983	587	344	243	113	421	286	1,504	23,819	33,501	22,774	13,458	4,016	101,066	17.7
1984	1,630	738	359	385	2,490	3,669	15,348	57,122	87,588	26,245	15,169	3,310	214,052	37.6
1985	1,172	614	304	747	2,451	5,335	16,868	90,388	53,030	26,165	57,799	28,336	283,208	49.7
1986	1,768	820	485	565	3,943	1,124	7,672	20,468	23,674	13,074	7,772	2,634	83,998	14.7
1987	2,068	725	450	298	527	636	661	13,944	28,516	24,721	9,985	2,396	84,927	14.9
1988	776	397	172	378	20,467	16,367	17,886	48,429	28,434	14,612	7,538	2,783	158,240	27.8
1989	808	302	158	96	1,169	6,660	18,360	21,599	36,179	50,974	7,552	2,151	146,008	25.6
1990	1,042	728	523	362	1,106	3,143	14,176	39,379	22,420	11,874	13,434	3,378	111,564	19.6
1991	628	314	191	289	1,152	2,606	3,504	17,769	48,680	19,879	9,217	2,048	106,277	18.6
1992	693	390	273	148	88	83	930	6,131	12,178	12,586	7,348	4,013	44,861	7.9
1993	3,084	286	825	1,552	1,796	1,806	9,748	5,244	14,628	7,659	5,241	1,062	52,932	9.3
1994	710	2,443	6,851	9,013	11,848	27,809	59,636	270,650	259,700	56,240	10,489	7,588	722,977	126.8
1995	3,091	1,211	2,376	2,309	5,516	3,323	10,472	84,160	79,270	30,928	14,846	5,609	243,112	42.7
Mean 86-95	1,467	762	1,230	1,501	4,761	6,356	14,304	52,777	55,368	24,255	9,342	3,366	175,490	30.8
Mean 68-95	2,408	1,043	889	1,092	3,580	8,303	22,752	77,950	87,631	37,966	15,089	5,681	264,386	46.4

Data source: DEDP

wet Season	249,692	0.94
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Dry Season	14,694	0.06
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Jul-Sep	188,333	0.71
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Table 2.6.5 Monthly and Total Suspended Sediment – Khao Ing Rod (IN2/020501) – Ing Basin
NAM MAE ING AT KHAO ING ROD 020501

Catchment area = 3,450 km² Unit: ton, ton/km²

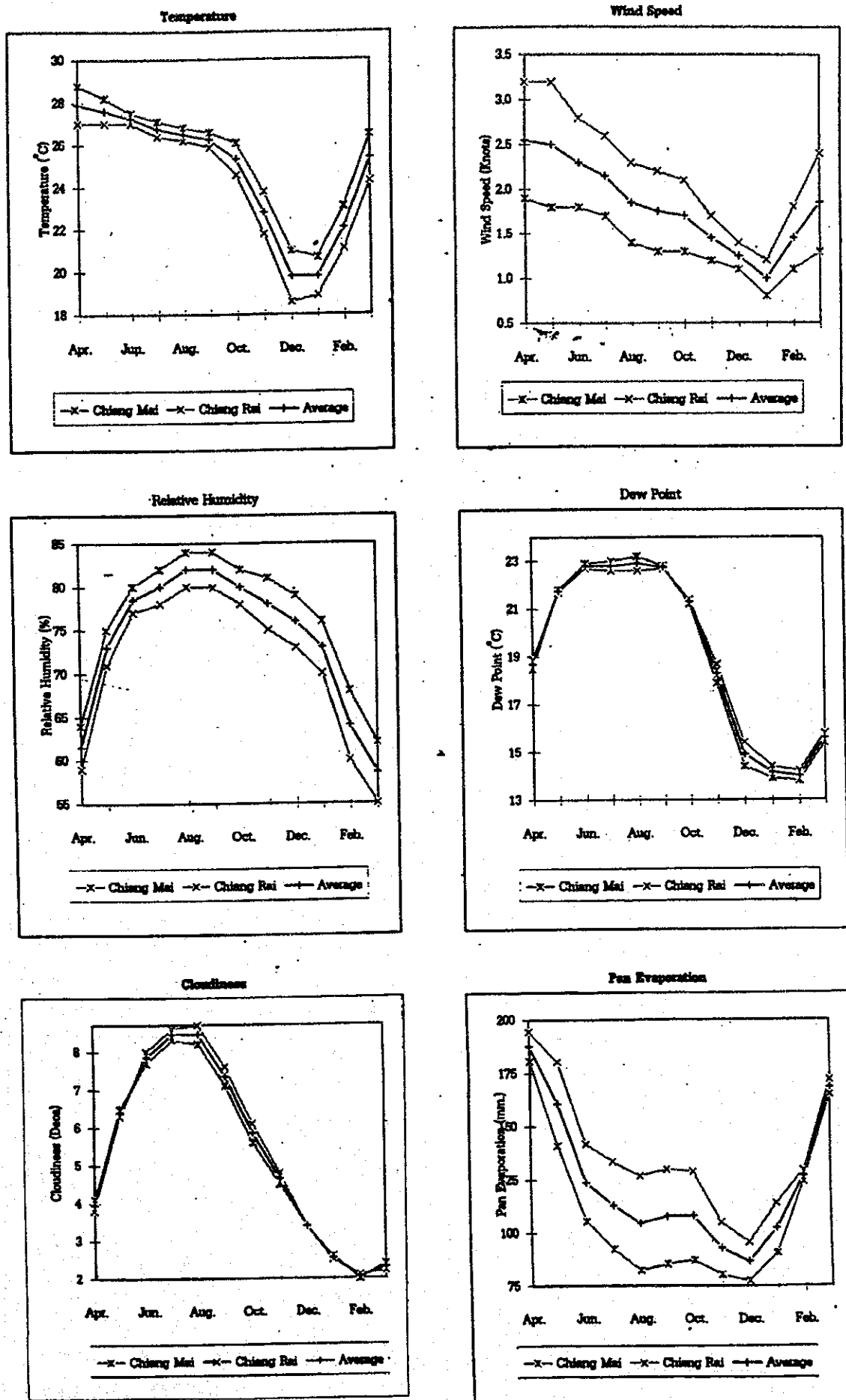
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL	Yield
1975	6,479	1,390	475	271	249	6,840	16,406	44,921	59,816	36,883	9,991	2,916	186,637	54.1
1976	1,618	1,107	539	470	1,125	955	592	9,900	10,900	18,385	11,624	1,902	59,116	17.1
1977	1,974	373	243	642	1,720	277	8,812	24,616	72,510	43,640	18,927	2,275	176,010	51.0
1978	2,441	1,020	488	323	1,851	2,355	15,099	14,480	19,267	11,767	2,687	1,094	72,872	21.1
1979	410	127	90	75	186	4,425	5,179	8,071	7,977	8,188	1,505	628	36,860	10.7
1980	280	141	176	132	170	4,458	16,631	27,600	56,240	22,945	6,274	3,096	138,142	40.0
1981	369	215	60	20	1,413	4,233	8,625	41,599	17,470	10,046	17,427	3,418	104,895	30.4
1982	883	418	178	849	586	1,498	2,333	5,433	11,732	15,513	2,360	459	42,242	12.2
1983	154	111	84	41	45	42	132	11,369	14,592	10,674	8,582	1,889	47,715	13.8
1984	646	341	189	96	400	976	4,042	17,369	26,605	14,819	6,240	1,384	73,108	21.2
1985	357	272	161	115	307	1,435	3,546	8,402	8,368	7,024	12,335	5,123	47,444	13.8
1986	703	369	205	139	1,722	419	1,566	7,777	10,009	5,422	3,327	1,182	32,841	9.5
1987	1,263	366	204	70	42	253	40	9,649	22,098	14,926	8,172	1,104	58,187	16.9
1988	160	57	41	57	11,576	11,481	12,051	19,395	13,349	7,328	3,892	1,460	80,847	23.4
1989	425	120	69	53	125	3,005	5,502	10,743	14,243	21,897	2,646	756	59,583	17.3
1990	259	169	149	103	607	1,753	7,002	14,440	14,075	6,375	8,198	1,539	54,669	15.8
1991	230	128	97	82	65	370	425	4,951	16,909	6,147	3,384	660	33,448	9.7
1992	174	66	36	12	25	31	30	2,885	7,919	7,426	4,795	2,487	25,886	7.5
1993	1,770	132	74	64	60	52	2,368	1,219	6,676	3,843	2,990	314	19,560	5.7
1994	130	116	2,585	4,609	11,087	19,232	30,080	85,960	94,600	26,345	3,623	1,946	280,314	81.3
1995	875	474	326	847	1,572	1,162	2,721	22,177	21,045	10,921	6,005	2,174	70,299	20.4
Mean 86-95	599	200	379	604	2,688	3,776	6,179	17,920	22,092	11,063	4,703	1,362	71,563	20.7
Mean 75-95	1,029	358	308	432	1,663	3,107	6,818	18,712	25,067	14,786	6,904	1,800	80,985	23.5

Data source: DEDP

wet Season	75,394	0.93	Dry Season	5,590	0.07	Jul-Sep	50,597	0.62
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Figure 2.2.1 Meteorological Conditions -- Kok Basin

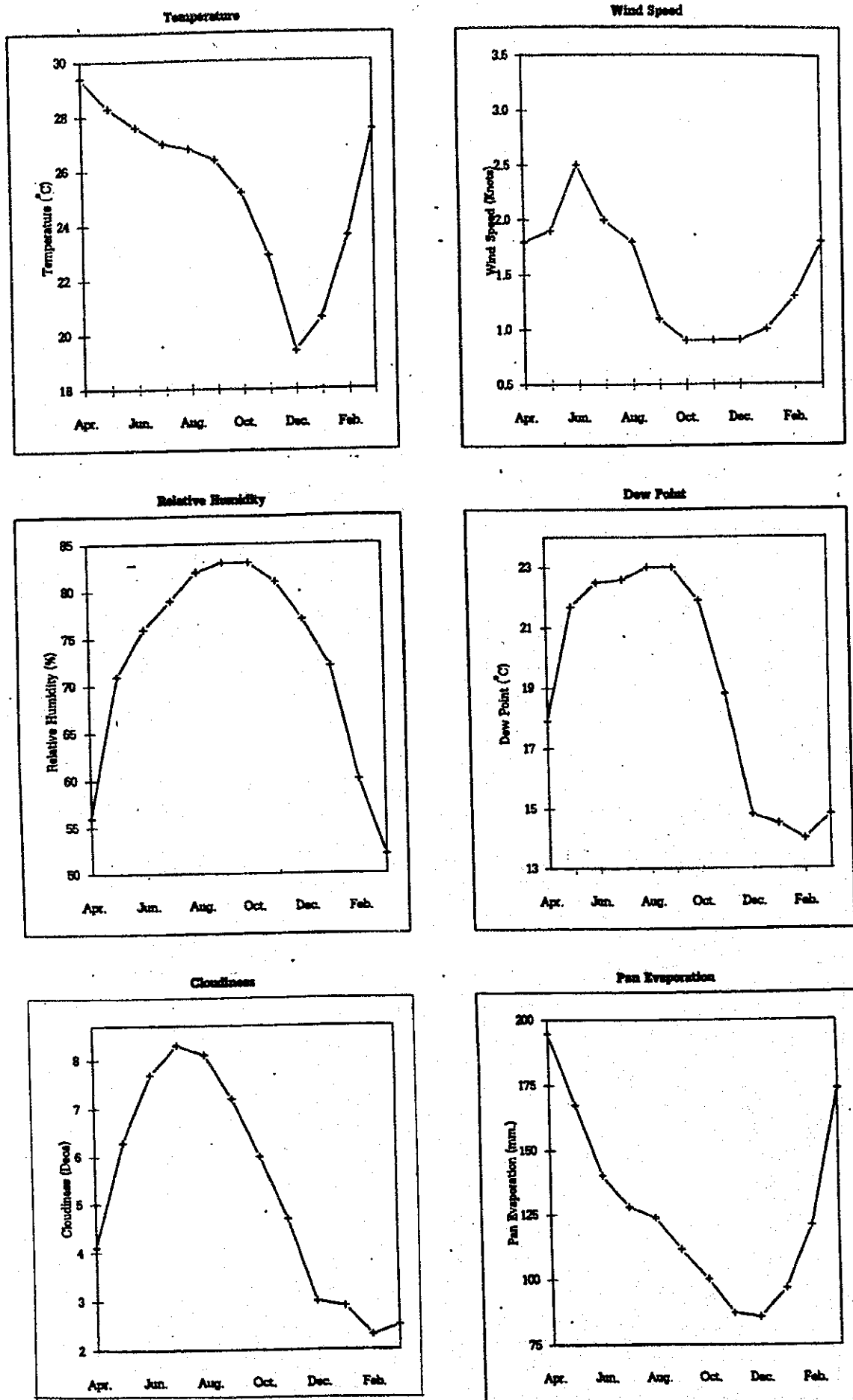
(Average Data from 1970 to 1993)



Source: Thai side study for Kok-Ing-Nan

Figure 2.2.2 Meteorological Conditions – Ing Basin

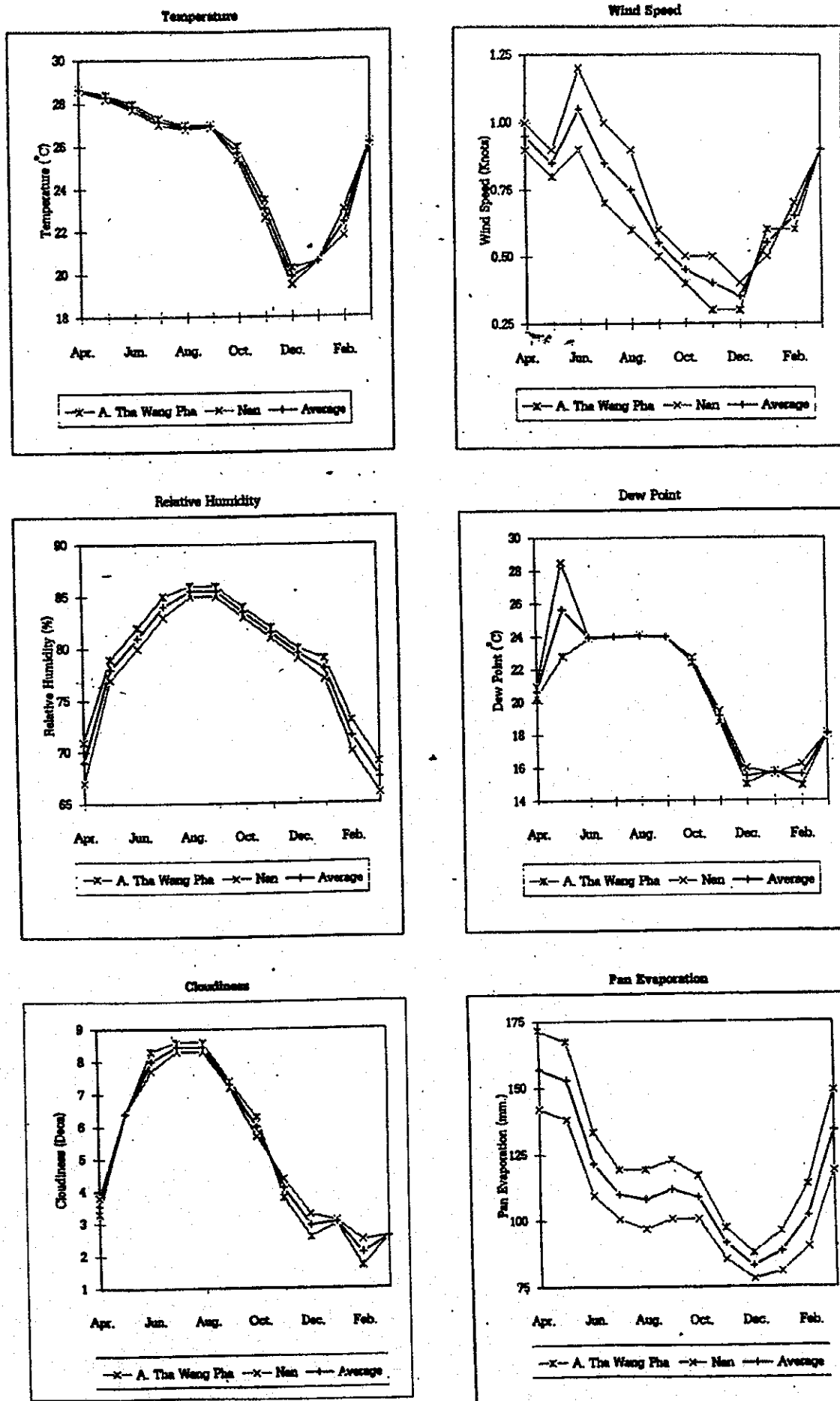
(Average Data from 1970 to 1993)



Source: Thai side study for Kok-Ing-Nan

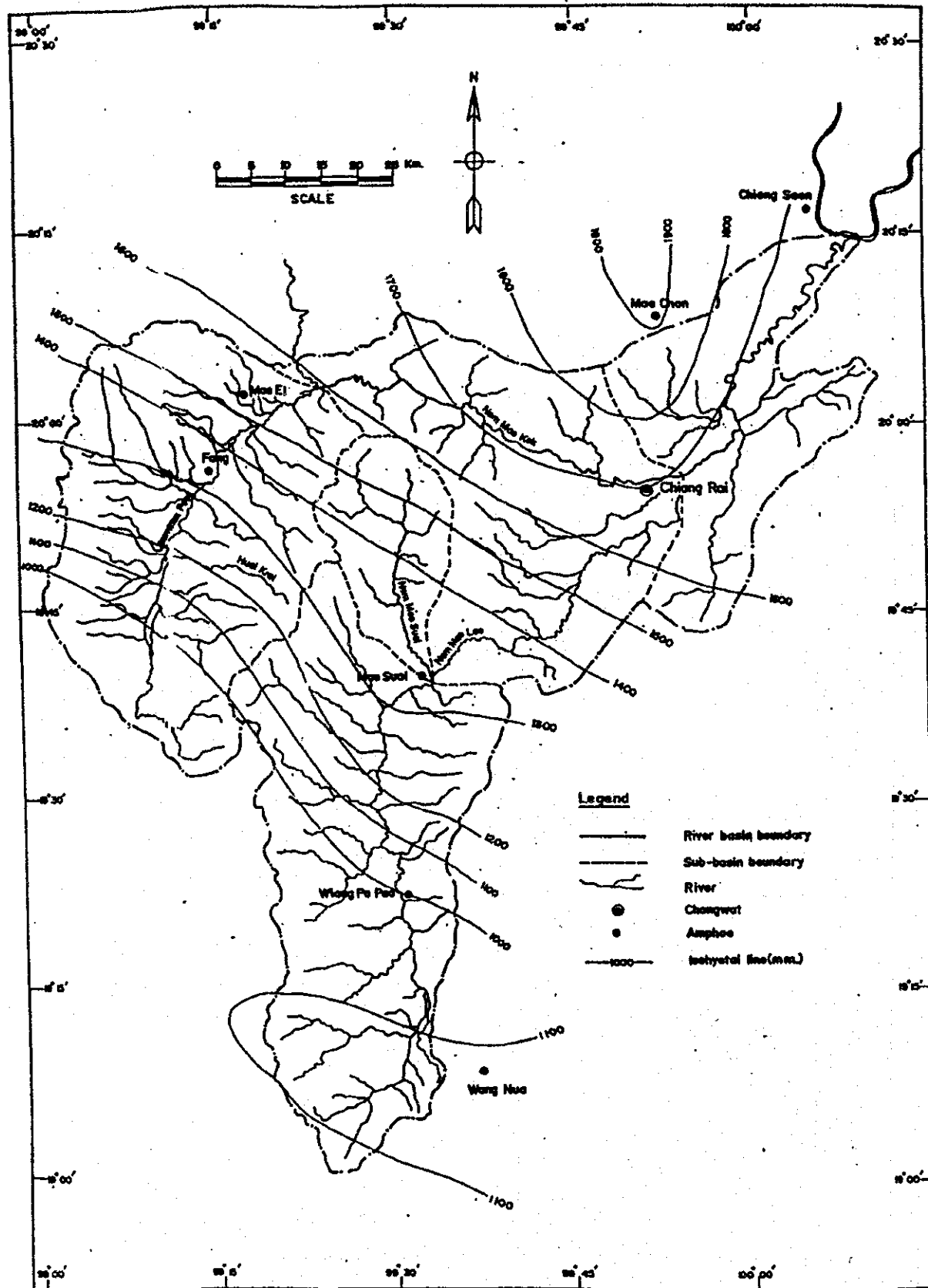
Figure 2.2.3 Meteorological Conditions -- Upper Nan Basin

(Average Data from 1970 to 1993)



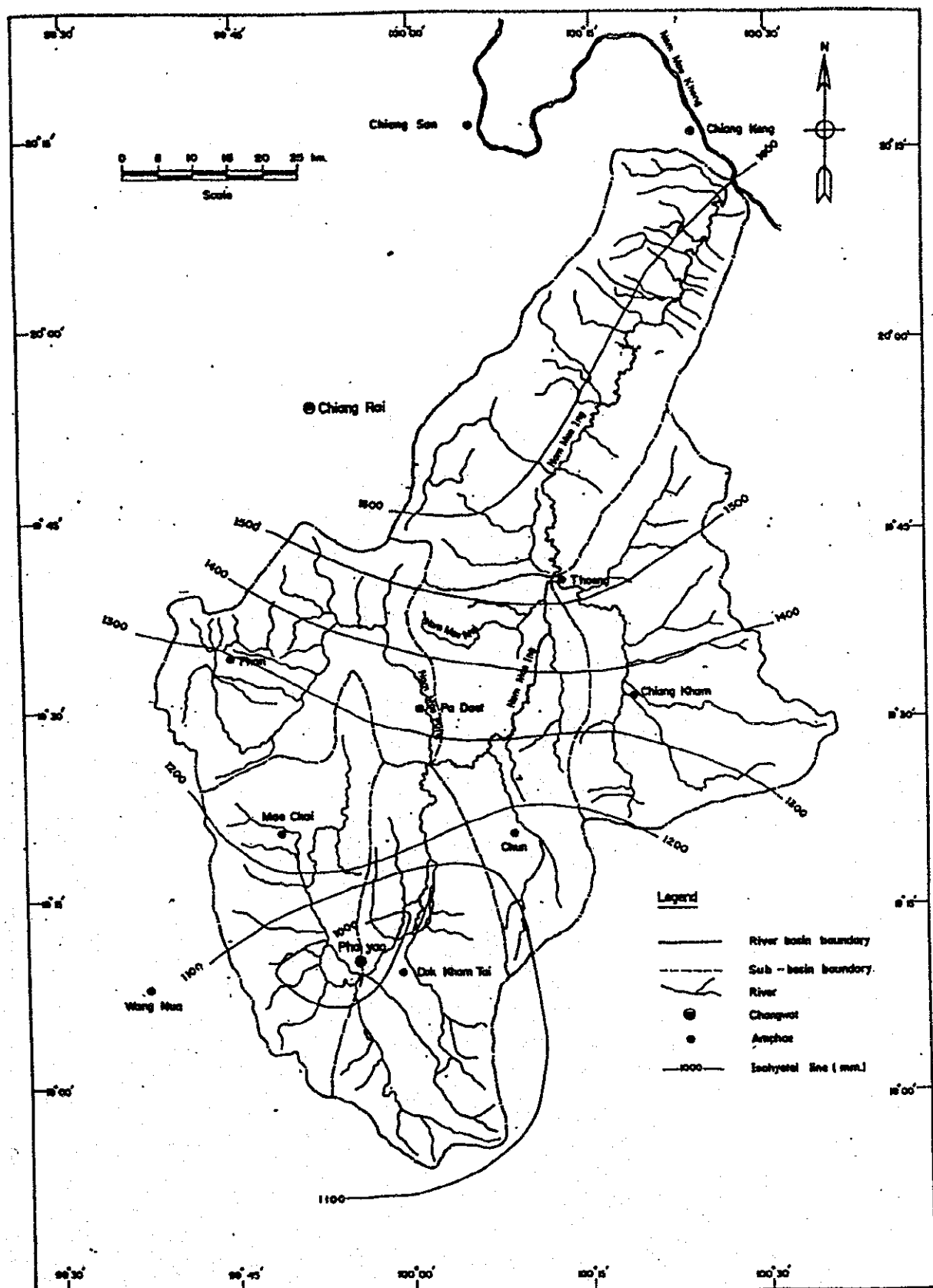
Source: Thai side study for Kok-Ing-Nan

Figure 2.2.4 Isohyetal Map of Mean Annual Rainfall – Kok Basin



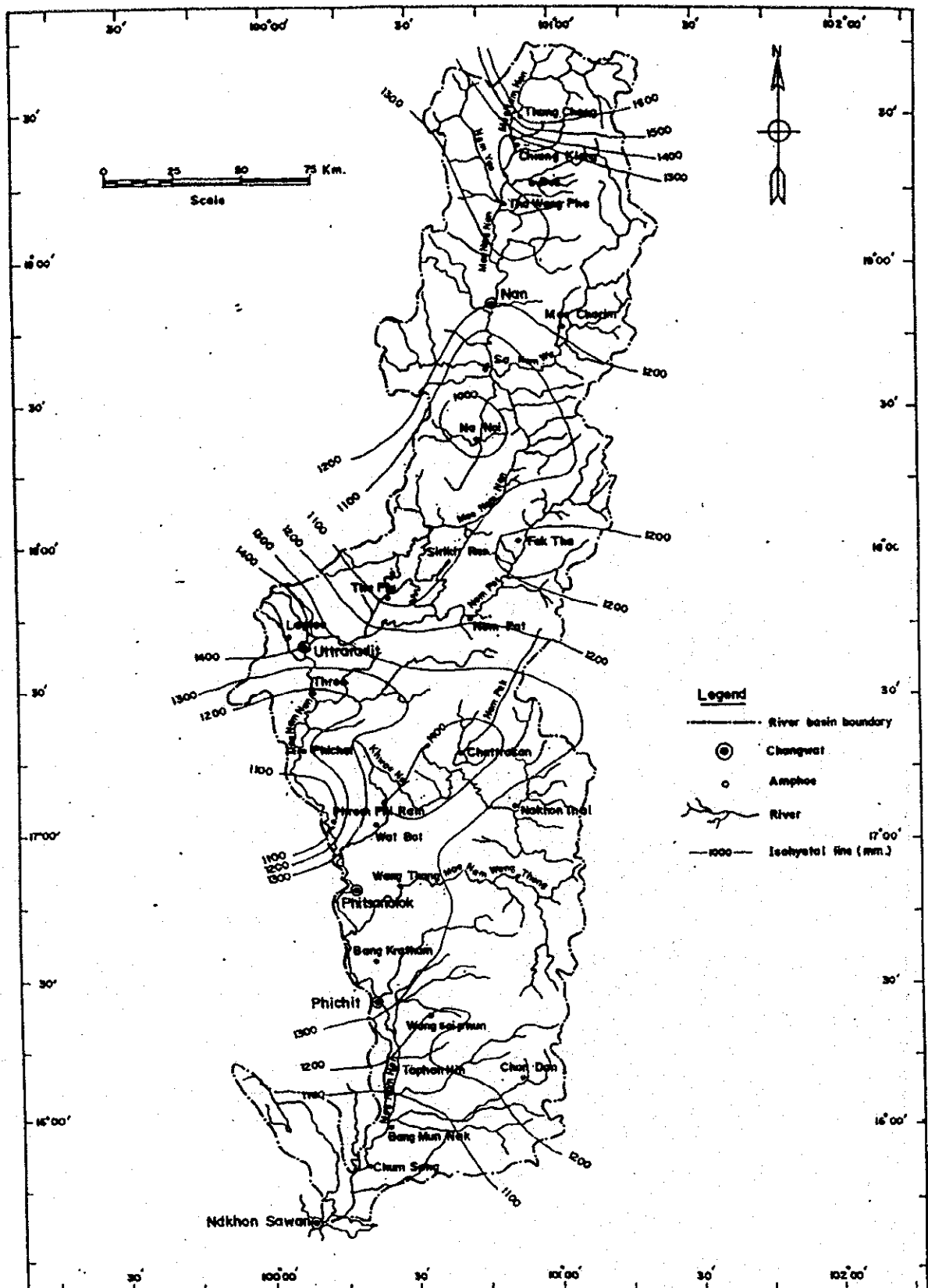
Source: Thai side study for Kok-Ing-Nan

Figure 2.2.5 Isohyetal Map of Mean Annual Rainfall – Ing Basin



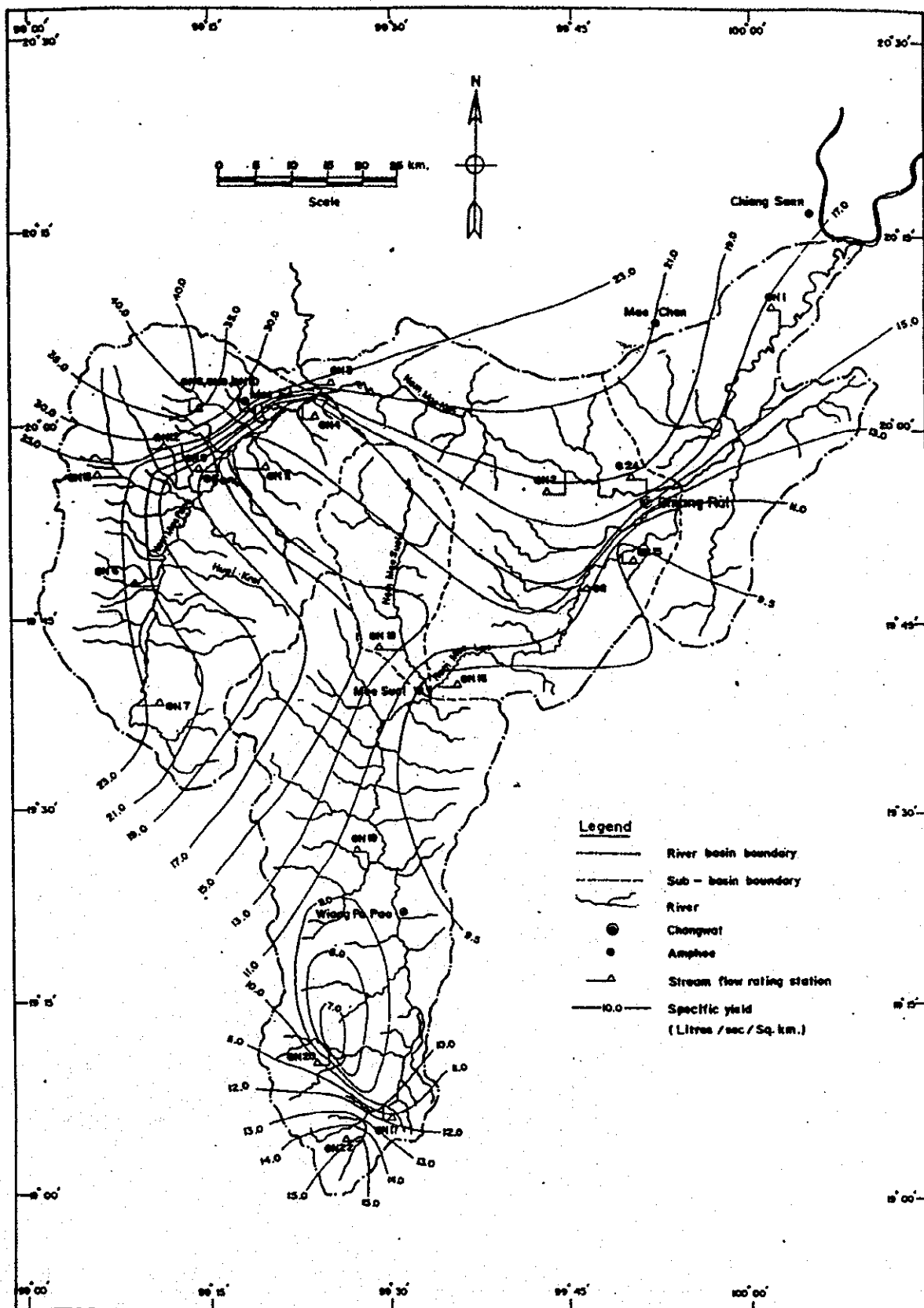
Source: Thai side study for Kok-Ing-Nan

Figure 2.2.6 Isohyetal Map of Mean Annual Rainfall – Nan Basin



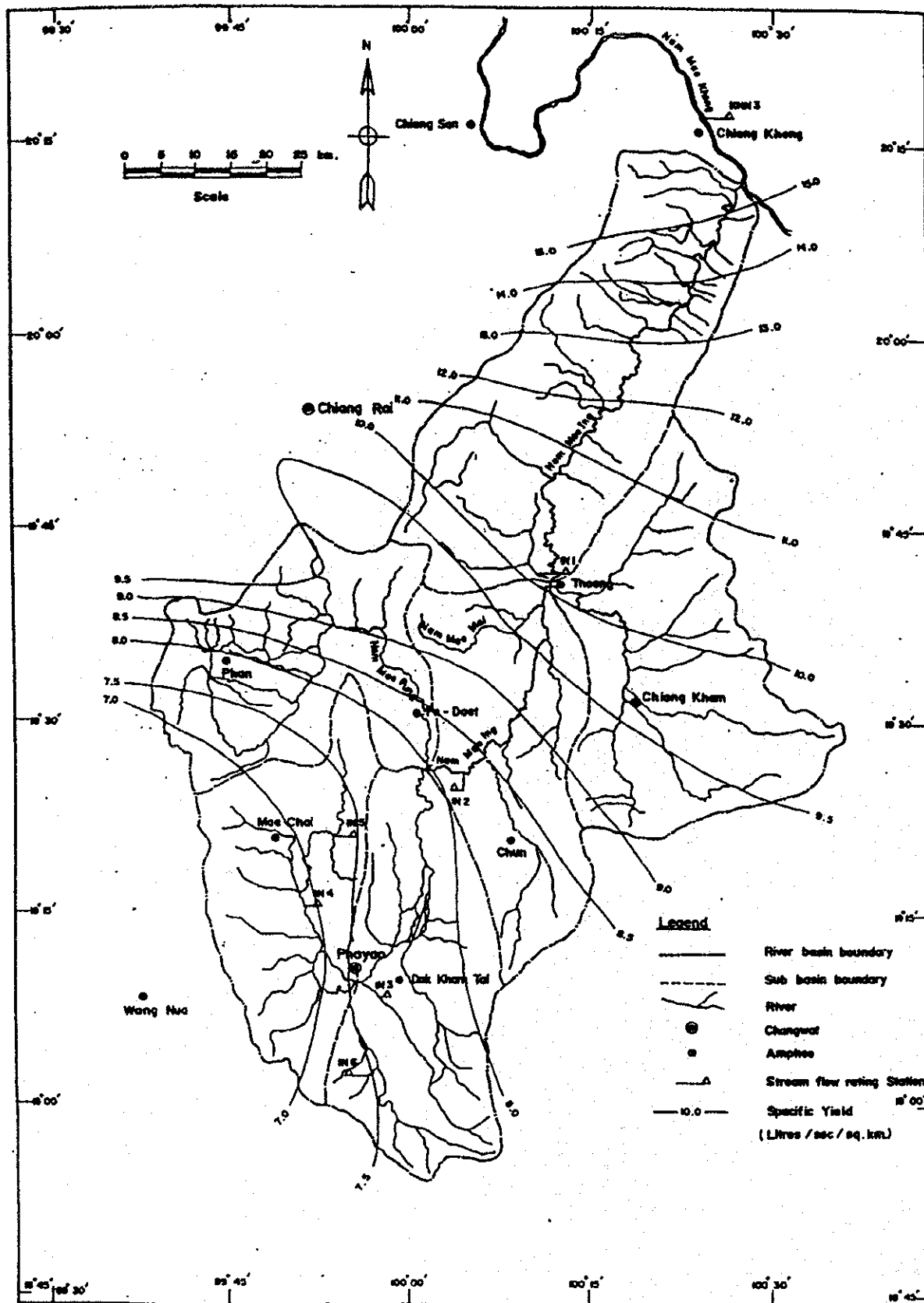
Source: Thai side study for Kok-Ing-Nan

Figure 2.3.1 Specific Runoff Yield – Kok Basin



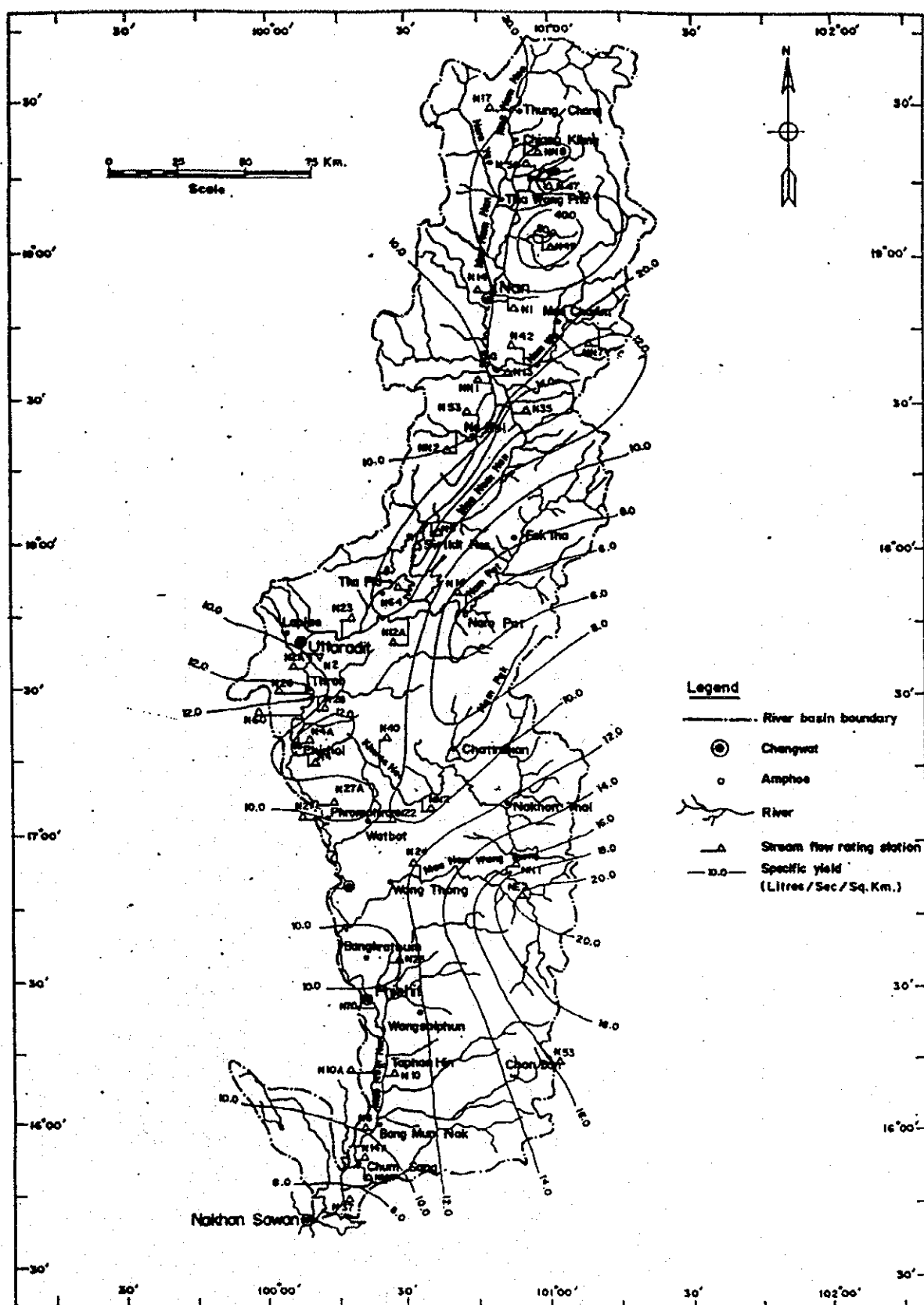
Source: Thai side study for Kok-Ing-Nan

Figure 2.3.2 Specific Runoff Yield – Ing Basin



Source: Thai side study for Kok-Ing-Nan

Figure 2.3.3 Specific Runoff Yield – Nan Basin



Source: Thai side study for Kok-Ing-Nan