















## Appendix 7 Geochemical Data of Soil Sample in I-4 Area

SAMPLE DESCRIPTION	Au ppb	Sn ppm	F ppm	Ag ppm	As ppm	Ba ppm	Cu ppm	Fe %	Hg ppb	Mg %	Mn ppm	Pb ppm	Sb ppm	W ppm	Zn ppm
631 IHS-076	<5	2	1150	<2	236	80	17	2.8	110	0.12	845	76	10	30	218
632 IHS-077	<5	<2	1300	<2	350	70	17	2.38	120	0.15	315	38	6	<10	118
633 IHS-078	<5	2	1370	<2	74	70	21	2.2	30	0.14	160	28	<2	<10	186
634 IHS-079	<5	<2	800	<2	56	30	9	0.79	10	0.07	180	12	<2	<10	60
635 IHS-080	<5	<2	800	<2	104	30	9	1.06	<10	0.07	155	20	6	<10	54
636 IHS-081	<5	<2	1150	<2	252	30	30	1.32	90	0.08	75	34	12	<10	76
637 IHS-082	<5	<2	1250	<2	364	40	13	1.99	80	0.1	110	24	14	10	124
638 IHS-083	<5	<2	1300	<2	462	60	17	2.14	290	0.1	125	28	24	<10	144
639 IHS-084	<5	<2	620	<2	232	10	6	0.97	470	0.05	110	18	20	<10	64
640 IHS-085	<5	2	660	<2	116	40	8	0.83	200	0.07	200	28	14	<10	48
641 IHS-086	<5	<2	1450	<2	46	60	23	2.4	30	0.13	240	34	<2	<10	162
642 IHS-087	<5	2	800	<2	28	110	11	1.03	20	0.08	520	22	<2	<10	68
643 IHS-088	<5	<2	950	<2	82	110	18	2.07	50	0.08	840	52	2	<10	102
644 IHS-089	<5	<2	750	<2	112	60	14	1.55	30	0.1	840	56	2	<10	74
645 IHS-090	<5	<2	820	<2	134	80	17	1.72	30	0.09	1025	76	6	10	72
646 IHS-091	<5	<2	780	<2	358	130	21	3.41	70	0.1	2010	270	22	30	132
647 IHS-092	<5	2	820	<2	306	130	26	3.76	60	0.1	1640	238	16	40	248
648 IHS-093	<5	2	1070	<2	198	70	20	3.85	50	0.14	1030	124	10	30	282
649 IHS-094	<5	<2	1030	<2	164	70	18	3.96	30	0.12	880	106	8	40	240
650 IHS-095	<5	<2	1100	<2	138	70	19	4.31	20	0.12	535	64	6	40	180
651 IHS-096	<5	<2	1090	<2	110	80	17	4.43	<10	0.13	595	56	12	20	146
652 IHS-097	<5	<2	1000	<2	48	60	15	3.3	<10	0.12	620	36	<2	10	88
653 IHS-098	<5	<2	1100	<2	40	60	18	3.84	<10	0.15	605	36	6	<10	80
654 IHS-099	<5	<2	1280	<2	32	90	26	4.47	<10	0.16	305	34	2	<10	94
655 IHS-1000	<5	<2	430	<2	26	110	40	3.25	10	0.09	1405	10	2	<10	40
656 IHS-0101	<5	<2	390	<2	20	110	36	2.44	10	0.08	1815	8	<2	<10	18
657 IHS-0102	<5	<2	310	<2	10	100	25	1.79	10	0.06	1045	8	<2	<10	16
658 IHS-0103	<5	<2	600	<2	158	190	76	4	30	0.11	1435	212	4	<10	170
659 IHS-0104	<5	<2	400	<2	292	180	44	2.82	30	0.06	990	294	8	<10	174
660 IHS-0105	<5	<2	330	<2	74	80	33	2.25	30	0.05	235	40	2	<10	64
661 IHS-0106	<5	<2	350	<2	150	170	34	1.94	40	0.05	1085	98	6	<10	68
662 IHS-0107	<5	<2	630	<2	20	140	43	2.7	10	0.1	210	30	<2	<10	114
663 IHS-0108	<5	<2	370	<2	28	70	32	1.9	10	0.05	445	44	<2	<10	96
664 IHS-0109	<5	<2	250	<2	44	80	22	1.51	<10	0.03	485	66	2	<10	56
665 IHS-0110	<5	<2	370	<2	90	180	38	2.9	10	0.06	2520	58	8	<10	82
666 IHS-0111	<5	<2	350	<2	78	190	42	2.75	10	0.07	1545	54	6	<10	108
667 IHS-0112	<5	<2	370	<2	110	350	45	3.17	<10	0.09	2350	98	6	<10	176
668 IHS-0113	<5	<2	480	<2	70	250	47	3.78	10	0.14	2280	84	6	<10	186
669 IHS-0114	<5	<2	400	<2	98	310	50	2.95	20	0.1	1965	92	2	<10	238
670 IHS-0115	<5	<2	380	<2	162	220	50	3.11	10	0.13	2260	156	8	<10	352
671 IHS-0116	<5	<2	330	<2	612	290	59	2.81	30	0.13	2000	174	26	<10	428
672 IHS-0117	10	5	410	<2	2180	470	119	5.06	60	0.13	2760	184	366	<10	450
673 IHS-0118	10	2	480	<2	2040	610	79	4.82	50	0.15	2720	204	438	<10	558
674 IHS-0119	<5	<2	520	<2	608	380	40	3.59	40	0.27	1045	192	50	<10	570
675 IHS-0120	<5	<2	550	<2	392	430	47	3.48	20	0.14	1530	122	42	<10	376
676 IHS-0121	<5	<2	580	<2	134	390	53	3.65	30	0.65	2070	118	14	<10	358
677 IHS-0122	<5	<2	520	<2	132	230	56	3.5	10	0.1	1880	102	6	<10	242
678 IHS-0123	<5	2	500	<2	218	260	52	3.69	20	0.13	1640	154	16	<10	368
679 IHS-0124	<5	<2	490	<2	154	320	63	4.26	10	0.18	2200	152	10	<10	410
680 IHS-0125	<5	<2	530	<2	372	440	53	3.93	20	0.15	2480	136	22	<10	498



## Appendix 8 Geochemical Data of Soil Sample in Mae Kanai Area

SAMPLE DESCRIPTION	Au	Sn	F	Ag	As	Ba	Cu	Fe	Ga	Hg	Mg	Mn	Pb	Sb	W	Zn
	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm
1 MW-1	<5	2	240	<2	236	300	95	10.7	20	30	0.07	1325	68	<2	<10	274
2 MW-2	<5	2	220	0.2	82	270	91	10.25	20	30	0.07	1220	70	<2	<10	286
3 MW-3	<5	2	230	<2	52	220	86	11.65	20	30	0.07	1290	74	6	<10	476
4 MW-4	<5	2	240	<2	42	170	97	10.7	20	40	0.07	1260	58	<2	<10	378
5 MW-5	<5	<2	250	<2	64	160	94	9.58	10	30	0.07	1425	56	2	<10	236
6 MX-1	<5	<2	300	0.2	106	140	60	7.95	20	40	0.07	650	48	<2	<10	94
7 MX-2	<5	<2	350	<2	114	340	84	9.39	20	50	0.08	810	78	<2	<10	212
8 MX-3	<5	2	370	<2	78	250	113	>15.00	20	30	0.07	1350	68	<2	<10	930
9 MX-4	<5	<2	350	<2	118	300	126	>15.00	20	60	0.07	2690	64	4	<10	862
10 MX-5	<5	<2	380	<2	72	260	108	12.3	20	40	0.07	1810	62	<2	<10	478
11 MY-1	<5	<2	300	<2	108	180	51	7.2	20	60	0.06	570	54	<2	<10	90
12 MY-2	5	2	350	<2	142	650	82	8.33	10	50	0.06	760	86	<2	<10	174
13 MY-3	<5	<2	400	0.2	152	760	329	>15.00	20	40	0.04	2170	54	<2	<10	618
14 MY-4	<5	<2	370	<2	88	240	86	12.75	20	40	0.06	1520	46	<2	<10	408
15 MY-5	<5	<2	330	0.2	74	220	91	11.65	20	40	0.05	1520	54	<2	<10	316

## Appendix 9 Result of Ore Assay

Ser No.	Sample No	Description	Locality	Au	Cu	Pb	Zn	Ag	As	Sb	Sn	W	Fe	Mn
				ppb	ppm (%)	ppm (%)	ppm (%)	g/t	ppm	ppm	ppm	ppm	%	ppm
1	AR-001	galena ore float	North of Dong Noi	35	19	58.30%	990	209	7	650	<2	<2	<2	<2
2	AR-003	silicified shale with sulphide	pit 2 Dong Noi	15	970	28	138	324	132	8	2	<2	<2	<2
3	AR-005	barite-quartz vein with galena	Huai Mae Pan(I-3)	<5	406	7500	3400	3.5	417	96	2	<2	<2	<2
4	AR-006	barite-quartz vein with galena, chalco	Huai Mae Pan(I-3)	<5	3.61%	3.68%	1370	26	670	210	80	<2	<2	<2
5	AR-007	galena-quartz vein	I-4 area	<5	162	16.80%	188	37	6	134	2	<2	<2	<2
6	AR-010	quartz vein with sulphide	I-4 area	<5	1030	8.15%	1.55%	135	>10000	670	>1000	2	<2	<2
7	AR-018	quartz vein with sulphide	Huai Mae Hu	<5	7	3	4	0.4	3240	22	2	<2	<2	<2
8	AR-020	gossan float	Huai Lum Kham	<5	45	26	1100	0.2	28	32	<2	<2	<2	<2
9	AR-024	gossan float	Mae La Noi	<5	92	4	202	<2	100	0.8	<2	<2	<2	<2
10	AR-027	quartz vein with sulphide (float)	Ban Ton Ngiu	25	38	530	7	13.6	150	17.5	3	<2	<2	<2
11	AR-028	quartz vein with sulphide (float)	Ban Ton Ngiu	<5	59	530	243	7.9	36	10	2	<2	<2	<2
12	AR-029	gossan float	Ban Ton Ngiu	<5	62	13	1400	<2	208	13	<2	<2	<2	<2
13	AR-036	magnetite diss sandstone	Dong Noi area (Y3-35m)	<5	160	28	82	0.8	245	72	<2	<2	5.9	4110
14	AR-038	gossan float	Dong Noi area	65	210	5700	2350	40	358	106	<2	<2	<2	<2
15	AR-041	calcareous sediments	I-4 area	<5	25	32	115	<2	62	8.6	<2	36	<2	<2
16	AR-042	hematite-quartz vein in slate	SE of Ban Mae Kanai	<5	50	105	373	<2	51	7.8	<2	<2	<2	<2
17	BR-012	gossan float	Huai Hat Ta Lan	<5	17	20	570	2.3	41	1.6	<2	<2	<2	<2
18	BR-013	quartz-barite vein	Huai Hat Ta Lan	<5	11	24	4	0.7	8	3.8	<2	<2	<2	<2
19	BR-020	graphite-quartz vein	SW of Ban Mae Ho	<5	72	340	142	2.7	164	2.4	<2	<2	<2	<2
20	BR-021	gossan float (calcareous)	NW of Ban Rong Ku	10	21	93	200	1	234	23	<2	<2	<2	<2
21	BR-022	quartz-manganese vein	Ban Rong Ku	<5	430	58	242	88	23	6.8	<2	<2	<2	>100000
22	BR-027	gossan float (calcareous)	Ban Pha Deang	<5	15	26	82	0.4	94	5	<2	<2	<2	<2
23	BR-028	gossan float (calcareous)	Ban Pha Deang	<5	15	43	23	<2	25	2.2	<2	<2	<2	<2
24	BR-034	gossan float (calcareous)	Dong Noi area	<5	38	360	188	<2	75	32	<2	<2	<2	<2
25	BR-035	magnetite ore float (float)	Ban Khun Mae Kanai	<5	12	13	48	<2	88	200	<2	9	<2	<2
26	BR-036	gossan	Ban Khun Mae Kanai	<5	205	68	4400	0.7	69	2.8	<2	<2	<2	<2
27	BR-037	iron oxides stained on shale	Ban Khun Mae Kanai	<5	102	20	2200	0.6	21	2.4	<2	<2	<2	<2
28	BR-043	sulphide network vein in silicified rock	I-4 area	225	23	2.14%	29	8.6	>10000	>1000	19	<2	<2	<2
29	BR-050	gossan float	Ban Khun Mae Kanai	<5	117	9600	4200	5.5	141	46	<2	<2	<2	<2
30	BR-051	gossan float	Ban Khun Mae Kanai	<5	96	172	3400	1	12	4	<2	<2	<2	<2
31	BR-057	gossan float	Ban Huai Ngu	<5	214	880	3800	1	369	490	<2	<2	<2	<2
32	CR-008	quartz vein with sulphide	N of Ban Huai Pu	<5	2	54	51	0.8	12	2	<2	4	<2	<2
33	DR-006	quartz vein with sulphide	Huai Mae Pan(I-3 area)	740	32	820	115	1.7	1190	70	6	<2	<2	<2
34	DR-009	barite vein float	I-4 area	<5	7	<1	36	<2	8	3.4	<2	<2	<2	<2
35	DR-010	barite vein float	Chamrat Barite Mine	<5	149	49	5200	5	627	16	<2	14	<2	<2
36	DR-011	quartz-copper oxide vein	Ban Mae Um Long	<5	1450	840	106	71	340	>1000	<2	135	<2	<2
37	DR-012	quartz-barite-galena vein float	Ban Huai Pu	25	463	75	2020	0.8	12	1.8	2	<2	<2	<2
38	DR-029	gossan float	Huai Hat Ta Lan	<5	102	840	1540	0.2	244	21	<2	<2	<2	<2
39	DR-030	gossan float	Huai Hat Ta Lan	<5	80	365	3400	0.2	90	117	<2	<2	<2	<2
40	DR-031	gossan float	Ban Huai Ngu	35	144	340	2500	0.3	1100	88	<2	<2	<2	<2
41	DR-032	sulphide disseminated sandstone	I-4 area	<5	18	29	126	<2	93	36	<2	130	<2	>10000
42	ER-001	silicified rock with galena, arsenopyrite	I-4 area	70	69	3450	53	1.3	>10000	450	25	<2	<2	<2
43	FR-017	gossan float	E of Ban Khun Mae Kanai	<5	80	188	1.51%	0.6	77	8	<2	<2	<2	<2
44	HR-004	magnetite ore float	S of Doi Thung Lum Phu	<5	20	15	29	<2	24	70	<2	27	>20.0	<2
45	HR-007	gossan float	W of Doi Thung Lum Phu	<5	205	30	1000	<2	36	0.8	<2	<2	<2	<2

## Appendix 10 Result of Stable Isotope Analysis

Sp. No.	Description	Locality	$\delta^{13}\text{C}_{\text{PDB}}(\text{‰})$	$\delta^{18}\text{O}_{\text{PDB}}(\text{‰})$	$\delta^{18}\text{O}_{\text{SMOW}}(\text{‰})$
1 AR-011	muddy limestone, nonfelsic	Pha Deang, Mae Sod mine	+1.4	-12.3	+18.2
2 AR-013	muddy limestone	Pha Deang, Hua Long mine	+0.9	-10.0	+20.6
3 AR-015	grey recrystalline limestone	Tak Mining	+2.0	-6.2	+24.5
4 AR-009	beside of barite vein, white massive limestone	Chamrat barite mine	-2.1	-22.0	+8.2
5 AR-033	grey recrystalline massive limestone	Dong Noi area	-1.3	-14.1	+16.3
6 BR-032	light green banded marble	Dong Noi area	+1.0	-15.3	+15.1
7 AR-041	recrystallized calcite in cavity	l-4 area	-4.1	-5.8	+24.9
8 BR-047	dark grey banded limestone	l-4 area	-2.5	-13.0	+17.5
9 DR-028	light brown banded marble	l-4 area	-2.9	-11.1	+19.4

## Appendix 1.1 Homogenized Temperature and Salinity of Fluid Inclusion

N	sample No.	Locality	Description	Mineral	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
1	AR-002	Dong Noi area	quartz vein float in Pit	Quartz	161	160	152	159	163	145	154	166	163	174	164	162	170	173	167	175	167	168	173	169	172	168	164	166	161	159	178	169	158	162			
					0.18	0.53	0.18	0.53	0.53		0.35			0.53	0.53	0.53	0.35	0.18	0.35	0.53	0.53	0.35	0.18	0.35	0.53	0.53	0.53		0.35	0.18	0.35	0.53					
2	AR-006	Huai Mae Pha	quartz-barite vein with copper and lead	Quartz	148	142	152	147	128	133	109	155	141	133	132	134	111	109	113	105	144	132	111	108	110												
							19.76	19.60	17.61			19.92		15.57					15.17	19.84				16.53													
3	AR-007	1-4 area	quartz-galena vein float	Quartz	143	137	136	124	113	134	154	150	147	151	148	146	138	144	142	146	144	138	152	132	152	148	140	147	141	133	129	142	145	151			
					22.44	22.10	21.68	22.31	22.17	20.03	21.82	21.89	22.44	22.51	22.85	22.78	22.78	22.71	22.38	22.44	22.38	21.82	22.91	21.96	22.65	22.03	21.96	22.03	21.82	21.19	21.89	21.54	21.61	22.44			
4	AR-010	1-4 area	granite seam with sulphide	Quartz	175	148	159	162	188	163	194	151	185	177	208	194	154	195	163	190	212	192	203	187	141	167	182	167	194	193	211	182	153	176			
					4.80	4.34	4.18	2.74	3.06	1.05	2.74	4.18	3.71	3.39	6.01	4.80	2.07	4.34	2.24	3.06	4.49	3.87	4.65	4.18	2.07	1.40	3.71	1.91	4.49	4.18	3.06	2.07	2.90				
5	DR-006	Huai Mae Phan Noi	quartz vein with sulphide	Quartz	144	126	108	113	121	127	104	132	118	123	109	136	112	122	118	123	116	138	122	109	111												
					2.74		2.24	2.07	2.24	2.41	2.90	2.24		2.57					1.40	2.24	2.41	1.57															
6	AR-043	Huai Mae Phan	quartz vein with sulphide	Quartz	226	182	174	223	190	243	223	234	203	178	197	192	202	181	163	211	236	204	241	194	190	198	172	222	197	183	232	220	223	212			
					2.07	4.18	4.03	3.71	3.39	2.57	4.18	3.39	4.03	3.71	3.71	2.74	3.39	1.91	2.24	2.90	4.65	2.41	3.71	3.71	3.39	3.71	2.90	3.87	3.71	4.03	3.71	4.03	3.71	3.23	3.55		
7	BR-025	Huai Mae Phan	quartz vein with sulphide	Quartz	139	142	140	132	143	150	162	144	152	171	178	138	140	163	145	141	173	165	150	167	155	142	154	171	163	144	148	141	156	148			
					1.23	3.23	2.90	2.90	3.55	3.23	4.49	2.41	2.90	4.49	4.34	1.40	1.05	3.06	1.57	1.57	2.24	3.06	3.06	2.74		1.40	4.03	4.49	3.87		1.91	3.87	3.39				
8	BR-022	North of Ban Dong Noi	quartz vein with sulphide	Quartz	312	301	285	282	297	217	306	231	243	233	224	306	283	274	258	294	277	283	251	242	257	281	311	290	298	307	273	257	284	232			
					6.16	5.26	4.80	5.56	5.11	4.96	4.96	6.01	6.16	5.41	3.23	5.11	5.26	4.18	4.96	4.34	5.41	5.11					7.17	5.26	6.16	6.74	6.01						
9	TAK-1	Tak mine Phadet 1	sphalerite ore	Sphalerite	102	122	111	101	116	131	135	117	113	121	104	107	100	129	135	107	110	121	133	126	123	102											
					12.15	13.29	13.18	14.25		13.51	14.77	13.94		14.25			13.51		13.07	12.16		14.04															
10	PHL-1	Pha Deang Hua Long Mine	sphalerite ore	Sphalerite	120	125	121	113	107	116	108	118	130	118	104	103	111	124	122	111	110	102	106														
					5.26	6.16	6.59				4.03	4.65	5.86	6.88			7.17	7.02				5.11															
11	BR-040	Mineral occurrence in 1-4 area	sulphide diss. Silicified shale	Quartz	107	136	127	119	108	117	108	106	104	133	121	128	111	117	109	139	114	123	125	141	126	132	127	137	107	113	147	106	121	120			
					17.96	18.04	22.44	19.68	16.34	16.62	17.08			21.75	18.38	18.80	17.96	17.96		16.89	14.46	15.37	14.67	21.26	14.77	15.17	19.05										
12	S-3	Dong Noi area S-3	galena ore with barite	Quartz	255	237	248	221	274	241	236	224	264	227	233	221	251	262	214	223	244	248	235	263	211	226	238	241	256	247	253	233	274	250			
					16.71	14.04	14.67	13.51	17.96	15.27		13.94	17.17	15.76	14.67	13.29	16.34	18.80	12.96	13.94	15.47	16.53	15.47	17.79		12.85	13.62	13.18	16.62	14.97	14.77	13.83	16.15	15.27			


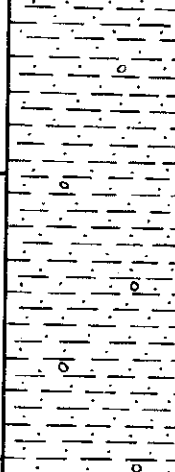
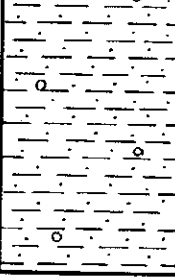
Upper: homogenized temperature unit: °C

Lower: salinity unit: wt% NaCl equivalent

Appendix 12 Profile sketch of Pit-1 and Pit-2 of Orientation Survey

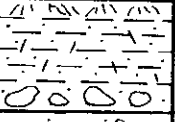
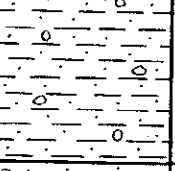
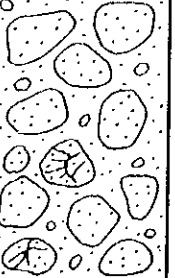
Profile of Test Pit No.1

scale 1/25

Depth (m)	Column	Description	Sample No. (sieve #)	Zn ppm	Cu ppm	Pb ppm
0.4		reddish brown sandy silt ~ clay with abundant plant roots no float is contained.				
1.0		reddish brown sandy silt ~ clay including various kinds of floats  quartz, barite ( $\phi$ 3-7 cm) massive magnetite, massive pyrite ( $\phi$ 3-5 cm) calc-silicate rocks rich in epidote ( $\phi$ 10-20 cm)	P11(#60)	503	1321	13400
			P12(#80)	461	1200	12200
2.0			P13(#120)	474	1238	11000
			P14(#60)	387	1208	8200
			P15(#80)	381	1188	8800
			P16(#120)	358	1171	600
3.0			P17(#60)	332	1263	3200
			P18(#80)	326	1283	3600
			P19(#120)	374	1233	3200

Profile of Test Pit No.2

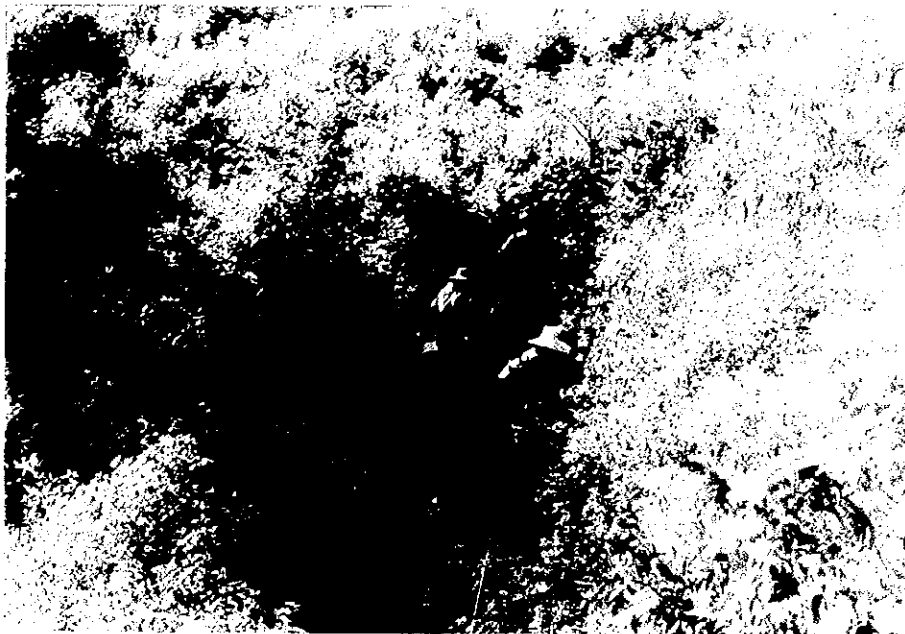
scale 1/25

Depth (m)	Column	Description	Sample No. (sieve #)	Zn ppm	Cu ppm	Pb ppm
0.4		reddish brown sandy silt ~ clay with abundant plant roots quartz floats rich at bottom ( $\phi$ 5-30 cm)				
0.65		reddish brown sandy silt ~ clay rich in quartz floats $\phi$ 3-5 cm, about 10% in volume	P21(#60)	826	1333	15000
			P22(#80)	732	1196	13600
1.0			P23(#120)	826	1279	15800
		reddish brown sandy silt ~ clay including abundant brown strong weathered micaceous sandstone ( $\phi$ 5-40 cm, more than 50%), partly stained by network of iron oxide.	P24(#60)	597	833	17800
			P25(#80)	655	958	18200
			P26(#120)	710	992	22000
2.0					P27(#60)	429
			P28(#80)	461	1625	6400
			P29(#120)	448	1513	4600

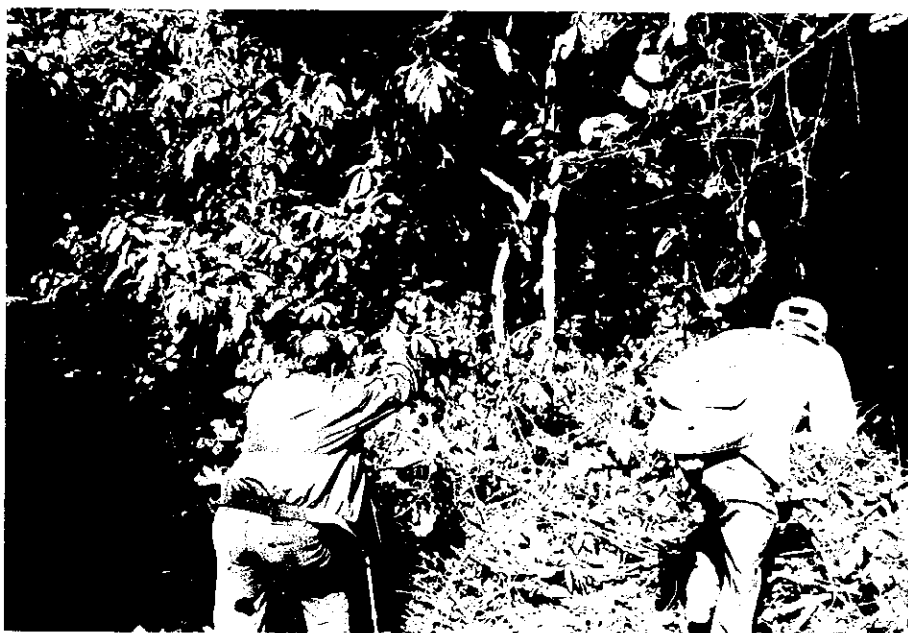
Appendix 13 Photograph of Orientation Survey and Test Pits 1,2 (1)

Orientation survey  
at the Dong Noi Area

Base line surveying



Base line surveying



Geochemical soil sampling



Appendix 13 Photograph of Orientation Survey and Test Pits 1,2 (2)

Orientation survey  
at the Dong Noi Area

Geochemical soil sampling



Appendix 13 Photograph of Orientation Survey and Test Pits 1,2 (4)

Geochemical soil sampling



Appendix 13 Photograph of Orientation Survey and Test Pits 1,2 (3)

Orientation survey  
at the Dong Noi Area



Test pit survey  
(Test pit No.1)



Test pit survey  
(Test pit No.1)



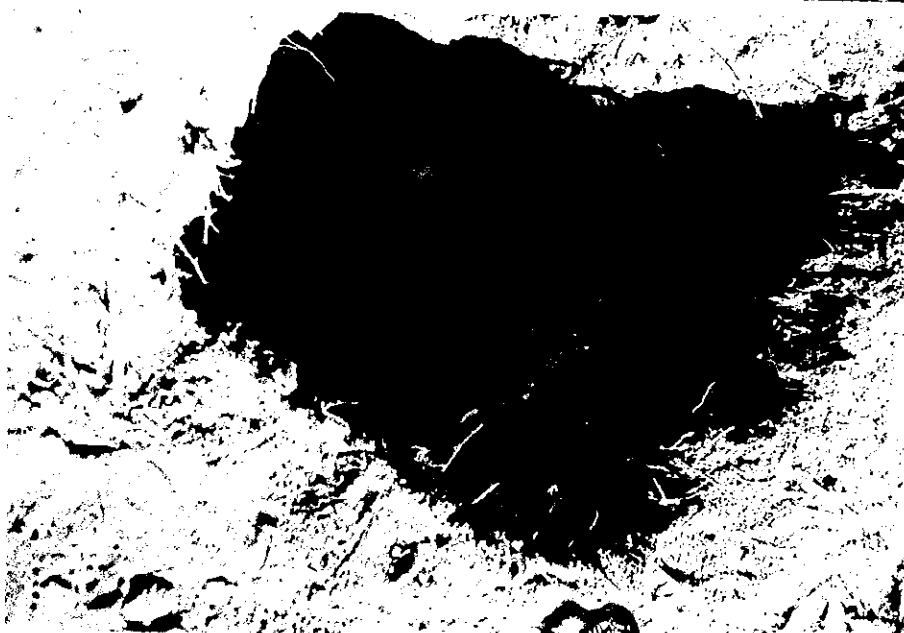
Test pit survey  
(Test pit No.1)



Orientation survey  
at the Dong Noi Area



Test pit survey  
(Test pit No.2)



Test pit survey  
(Test pit No.2)

Geochemical soil sampling  
(Test pit No.2)



Appendix 13 Photograph of Orientation Survey and Test Pits 1,2 (5)

Orientation survey  
at the I-3 Area



Stream sediments sampling  
(60 mesh sieve)



Stream sediments sampling  
(80 mesh sieve)

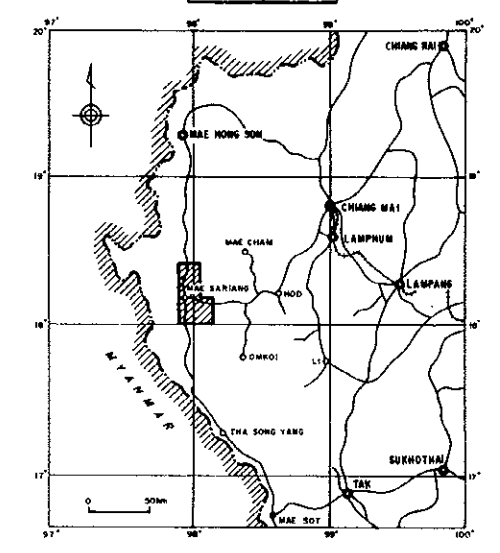


Stream sediments sampling  
(120 mesh sieve)



MINERAL EXPLORATION  
OF  
THE MAE SARIANG AREA, THAILAND  
PHASE I  
GEOLOGIC MAP

Scale 1 : 50,000



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
MARCH 1998

LEGEND

1 Sedimentary rocks

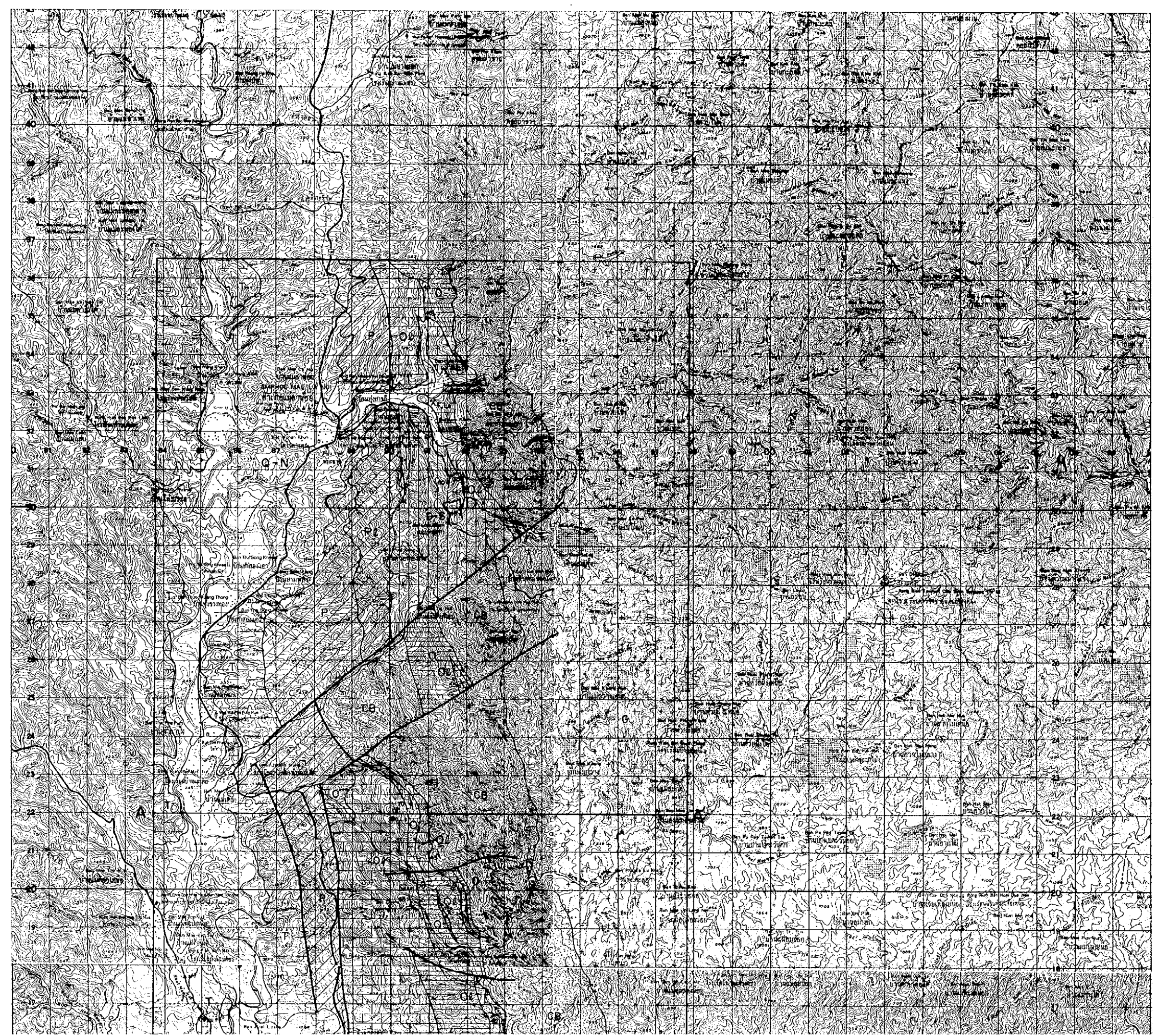
- Quaternary - Neogene Q-N gravel/sand, conglomerate/sandstone, shale
- Triassic T sandstone, shale, conglomerate, limestone
- Triassic - Permian T-P shale, chert, sandstone
- Permian P shale, sandstone, chert
- Permian P<sub>l</sub> limestone
- Carboniferous - Devonian H-D shale, sandstone
- Carboniferous - Devonian H-D<sub>l</sub> limestone
- Devonian - Silurian D-S shale, sandstone
- Ordovician O<sub>l</sub> limestone
- Ordovician O shale
- Cambrian CB sandstone (quartz arenite)

2 Igneous rocks

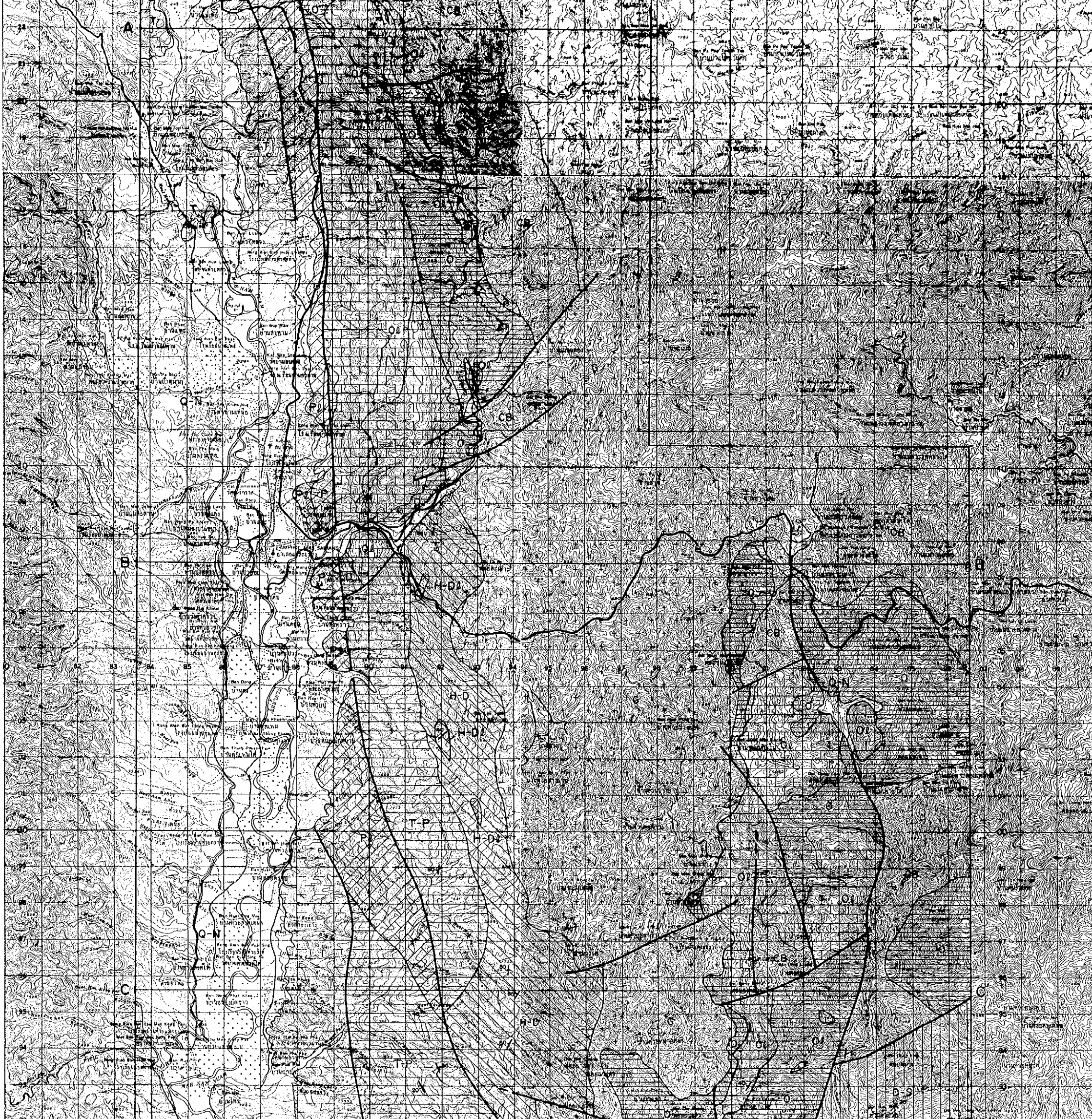
- Triassic G biotite granite

3 Geologic symbols

- Fault
- Strike and dip
- Mine (active)
- Mine (inactive)
- Bo Barite
- Ls Limestone







- O shale
- Cambrian CB sandstone (quartz arenite)
- 2 Igneous rocks
- Triassic G biotite granite
- 3 Geologic symbols
- Fault
- Strike and dip
- X Mine (active)
- X Mine (inactive)
- Ba Barite
- Ls Limestone
- F Fluorite



