

Sample No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
D177	10	<0.2	33	48	48	<1	<1	<0.03
D178	9	<0.2	49	75	74	31	22	<0.03
D179	11	<0.2	38	51	47	5	4	<0.03
D180	13	<0.2	48	67	77	23	16	<0.03
D182	6	0.3	44	50	65	2	<1	<0.03
D183	3	<0.2	52	59	97	24	8	<0.03
D184	3	<0.2	41	38	51	20	9	<0.03
D187	3	<0.2	28	41	49	5	9	0.03
D188	2	<0.2	30	29	38	<1	2	0.04
D189	4	<0.2	25	29	30	1	5	0.03
D190	2	<0.2	19	27	30	29	26	0.03
D191	3	<0.2	33	41	51	5	21	0.04
D192	1	<0.2	27	29	43	<1	<1	<0.03
D193	3	<0.2	26	38	47	17	12	0.03
D194	2	<0.2	20	38	20	21	22	0.03
D195	<1	<0.2	18	26	29	14	8	<0.03
D196	3	<0.2	34	37	47	3	9	0.12
D197	2	<0.2	18	38	20	29	32	0.04
D198	3	<0.2	34	22	30	<1	4	0.03
D199	4	<0.2	40	31	50	5	16	0.03
D200	2	<0.2	23	17	21	<1	5	<0.03
D201	2	<0.2	27	15	16	<1	8	<0.03
D202	1	<0.2	25	16	16	<1	7	<0.03
D203	2	<0.2	31	16	18	<1	10	0.03
D204	3	<0.2	31	19	19	<1	7	0.03
D205	2	<0.2	24	15	10	6	14	<0.03
D206	5	<0.2	27	20	15	1	15	0.03
D207	3	<0.2	22	23	20	6	7	0.04
D208	3	<0.2	21	26	17	9	5	<0.03
D209	2	<0.2	24	25	19	10	12	<0.03
D210	1	<0.2	26	25	17	9	8	<0.03
D211	4	<0.2	24	23	14	10	7	<0.03
D212	4	<0.2	20	23	14	7	5	<0.03
D213	6	<0.2	26	23	13	8	8	<0.03
D214	3	<0.2	17	24	11	20	14	<0.03
D215	4	<0.2	26	18	13	14	10	0.03
D216	3	<0.2	27	23	20	3	5	0.03
D217	3	<0.2	24	19	14	7	9	<0.03
D218	3	<0.2	26	21	16	12	8	<0.03
D219	3	<0.2	20	15	12	11	3	<0.03
D220	6	<0.2	34	23	25	19	10	<0.03
D221	5	<0.2	28	22	17	11	16	<0.03
D222	4	<0.2	47	35	48	<1	21	<0.03
D223	4	<0.2	32	20	15	6	17	<0.03
D224	3	<0.2	21	20	17	1	6	<0.03

Sample No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
D225	2	<0.2	22	20	18	<1	2	<0.03
D226	3	<0.2	20	19	13	2	5	<0.03
D227	<1	<0.2	9	16	12	2	1	<0.03
D228	4	<0.2	17	18	15	<1	9	<0.03
D229	3	<0.2	7	12	5	2	<1	<0.03
D230	1	<0.2	14	13	10	<1	8	<0.03
D231	2	<0.2	13	14	7	3	7	<0.03
D232	2	<0.2	17	16	9	<1	9	<0.03
D233	3	<0.2	8	12	6	<1	1	<0.03
D234	3	<0.2	18	20	14	<1	4	<0.03
D235	<1	<0.2	10	15	11	<1	<1	<0.03
D236	2	<0.2	17	23	30	1	7	0.03
D237	2	<0.2	13	21	27	<1	1	0.03
D238	2	<0.2	10	18	22	5	2	0.03
D239	1	<0.2	9	15	17	4	<1	0.03
D240	2	<0.2	14	19	24	4	2	0.03
D241	2	<0.2	18	21	28	2	4	0.05
D242	3	<0.2	14	25	33	4	2	0.04
D243	4	<0.2	19	36	39	1	<1	0.04
D244	3	<0.2	12	17	17	3	<1	<0.03
D245	2	<0.2	17	20	22	1	2	<0.03
D246	2	<0.2	20	19	21	4	5	<0.03
D247	3	<0.2	17	17	19	2	3	<0.03
D248	3	<0.2	17	18	21	6	3	<0.03
D249	3	<0.2	34	35	60	<1	<1	0.04
D250	5	<0.2	15	16	16	4	1	<0.03
D251	3	<0.2	20	19	22	5	6	<0.03
D252	4	<0.2	18	17	19	<1	4	<0.03
D253	3	<0.2	19	17	21	<1	2	<0.03
D254	5	<0.2	26	38	54	<1	<1	0.05
D255	4	<0.2	16	21	22	3	<1	<0.03
D256	5	<0.2	15	20	25	6	2	0.03
D257	4	<0.2	16	24	26	6	2	0.03
D258	3	<0.2	18	20	24	1	2	0.03
D259	3	<0.2	20	18	23	4	5	<0.03
D260	4	<0.2	23	22	27	6	9	0.03
D261	3	<0.2	22	22	26	3	8	<0.03
D262	3	<0.2	18	14	17	1	1	<0.03
D263	3	<0.2	17	22	24	8	6	<0.03
D264	3	<0.2	19	33	36	5	2	0.03
D265	3	<0.2	19	17	21	1	5	<0.03
D266	4	<0.2	19	17	20	2	3	<0.03
D267	2	<0.2	19	25	20	4	2	<0.03
D268	5	<0.2	32	48	47	<1	10	0.03
D269	3	<0.2	22	24	18	<1	3	<0.03

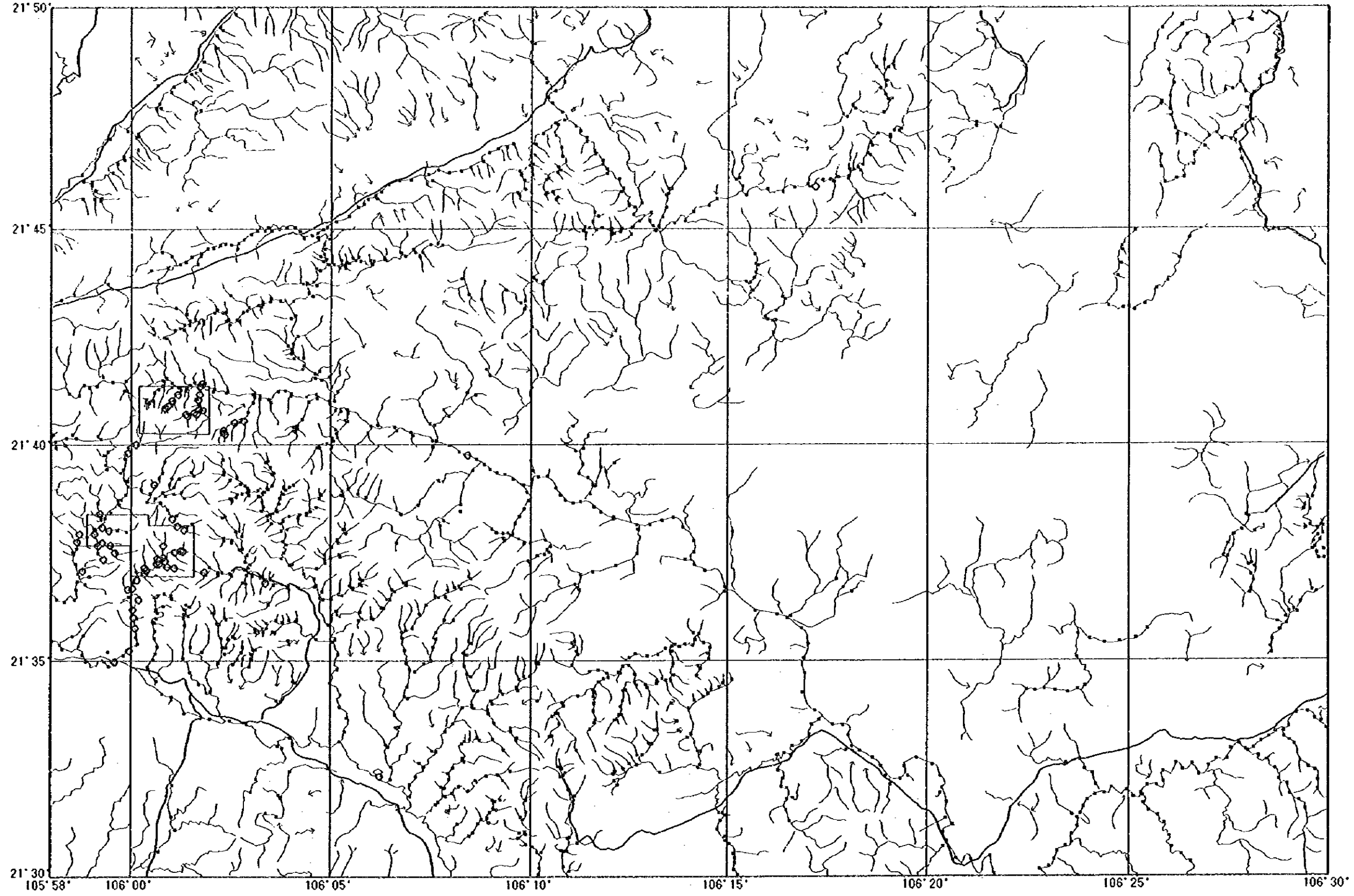
Sample No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
D270	3	<0.2	19	23	15	4	6	0.07
D271	4	<0.2	33	36	46	<1	8	0.13
D272	3	<0.2	25	26	22	3	6	0.03
D273	2	<0.2	24	17	5	4	10	<0.03
D274	6	<0.2	24	19	6	3	8	<0.03
D275	3	<0.2	21	17	3	5	10	<0.03
D276	3	<0.2	26	20	5	6	9	0.07
D277	3	<0.2	29	18	4	10	11	0.03
D278	4	<0.2	25	23	34	3	9	0.03
D279	3	<0.2	23	22	18	4	15	0.08
D280	3	<0.2	18	22	12	5	4	<0.03
D281	2	<0.2	18	19	8	2	2	<0.03
D282	4	<0.2	26	32	11	6	10	<0.03
D283	4	<0.2	21	18	6	2	12	<0.03
D284	3	<0.2	13	16	8	6	2	<0.03
D285	2	<0.2	17	15	4	8	8	<0.03
D286	3	<0.2	16	14	4	9	5	<0.03
D287	1	<0.2	14	15	7	7	4	<0.03
D288	1	<0.2	13	16	5	8	2	<0.03
D289	1	<0.2	18	16	7	3	10	<0.03
D290	1	<0.2	13	18	6	9	1	<0.03
D291	1	<0.2	21	21	13	7	8	<0.03
D292	7	<0.2	24	15	6	4	16	<0.03
D293	7	<0.2	20	24	6	7	11	<0.03
D294	3	<0.2	12	15	4	7	3	<0.03
D295	2	<0.2	14	17	8	7	2	<0.03
D296	5	<0.2	14	16	9	5	1	<0.03
D297	<1	<0.2	13	16	6	6	3	<0.03
D298	2	<0.2	23	20	12	4	14	<0.03
D299	3	<0.2	19	16	5	6	9	<0.03
D300	2	<0.2	19	19	10	2	8	<0.03
D301	3	<0.2	20	18	8	4	9	<0.03
D302	4	<0.2	15	18	5	6	5	<0.03
D303	3	<0.2	20	20	11	2	8	<0.03
D304	2	<0.2	19	18	7	2	6	<0.03
D305	2	<0.2	25	18	10	6	11	<0.03
D306	2	<0.2	13	18	7	6	<1	<0.03
D307	4	<0.2	19	19	10	4	8	<0.03
D308	941	<0.2	32	42	47	225	<1	0.11
D309	294	<0.2	45	95	61	47	7	0.05
D310	14	<0.2	14	40	33	10	<1	<0.03
D311	735	<0.2	33	56	47	280	11	0.08
D312	529	<0.2	35	46	41	280	19	0.07
D313	6	<0.2	18	17	16	3	<1	<0.03
D314	588	<0.2	33	37	39	174	7	0.05

Sample No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
D315	232	<0.2	25	38	31	170	24	0.07
D316	51	<0.2	18	25	17	42	1	<0.03
D317	107	<0.2	18	38	41	142	17	0.05
D318	156	0.2	27	44	31	85	<1	0.04
D319	71	<0.2	30	37	34	72	6	0.04
D321	175	<0.2	25	32	33	129	<1	0.03
D322	20	<0.2	16	29	24	27	<1	<0.03
D323	11	<0.2	13	23	15	10	<1	<0.03
D324	65	<0.2	21	55	26	65	4	0.10
D325	3	<0.2	13	24	16	15	<1	<0.03
D326	12	<0.2	33	28	25	14	1	<0.03
D327	3	<0.2	14	21	23	3	<1	<0.03
D328	6	<0.2	21	29	43	16	4	<0.03
D329	7	<0.2	15	21	11	12	3	<0.03
D330	5	<0.2	22	20	14	8	<1	<0.03
D331	84	<0.2	15	28	29	33	2	<0.03
D332	30	0.2	25	408	59	69	18	<0.03
D333	5	<0.2	20	26	14	13	8	<0.03
D334	21	<0.2	21	101	42	43	9	0.05
D335	586	0.3	41	168	67	82	15	0.09
D336	33	<0.2	16	184	22	35	22	<0.03
D337	5	<0.2	49	57	51	6	18	<0.03
D338	51	<0.2	18	44	26	38	4	<0.03
D339	10	<0.2	19	50	33	28	<1	<0.03
D340	53	<0.2	24	123	44	36	9	<0.03
D341	23	<0.2	16	40	23	24	<1	<0.03
D342	123	<0.2	22	49	35	31	10	<0.03
D343	71	<0.2	18	46	27	64	15	<0.03
D344	236	<0.2	36	31	30	166	20	0.04
D345	48	<0.2	14	21	11	6	<1	<0.03
D346	11	<0.2	28	22	23	<1	12	<0.03
D347	280	<0.2	28	29	32	136	14	0.08
D348	12	<0.2	19	38	20	15	7	<0.03
D349	52	<0.2	26	25	24	16	5	0.06
D350	3	<0.2	13	19	8	11	<1	0.07
D351	8	<0.2	32	44	21	<1	11	<0.03
D352	5	<0.2	11	21	15	21	6	0.03
D353	5	<0.2	15	34	10	10	<1	<0.03
D354	4	<0.2	10	21	10	17	4	<0.03
D355	7	<0.2	21	60	30	13	8	0.03
D356	36	<0.2	21	53	19	38	<1	<0.03
D357	50	<0.2	19	24	15	27	5	0.03
D358	19	0.5	27	46	31	52	6	0.04
D359	41	0.2	19	37	28	41	8	0.03
D360	13	0.5	35	152	56	75	32	<0.03

Sample No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
D361	10	<0.2	18	51	29	50	12	<0.03
D362	7	<0.2	21	29	19	5	4	<0.03
D363	23	<0.2	23	45	30	27	4	0.07
D364	149	0.2	27	108	40	50	29	<0.03
D365	112	<0.2	13	28	17	32	5	<0.03
D366	1,238	0.8	27	161	30	110	101	0.16
D367	15	0.4	33	76	54	53	33	<0.03
D368	500	<0.2	20	90	38	54	14	<0.03
D369	19	<0.2	20	60	34	43	12	<0.03
D370	112	<0.2	15	62	29	61	31	0.12
D421	92	<0.2	36	59	36	353	14	0.09
D422	625	<0.2	43	64	60	143	28	0.05
D424	286	<0.2	30	38	33	120	2	<0.03
D425	85	<0.2	40	41	60	62	20	0.23
D427	794	0.3	31	70	42	484	19	0.10
D428	647	<0.2	30	58	45	300	15	0.14
D429	1,500	<0.2	26	49	31	115	14	0.17
D430	353	0.2	46	70	44	824	27	0.40
D431	2,448	0.4	32	87	48	992	28	0.52
D434	4	<0.2	14	15	8	13	<1	0.03
D435	8	<0.2	31	30	14	37	13	<0.03
D436	2	<0.2	15	20	9	15	<1	<0.03
D437	3	<0.2	9	19	5	24	8	<0.03
D438	3	<0.2	14	20	8	15	<1	<0.03
D439	3	<0.2	9	19	7	19	<1	<0.03
D440	3	<0.2	20	20	15	10	<1	<0.03
D441	3	<0.2	13	34	10	16	<1	<0.03
D442	5	<0.2	22	22	18	8	4	<0.03
D443	5	<0.2	15	26	20	21	10	<0.03

App. 2 Anomalies of Stream Sediment Geochemistry

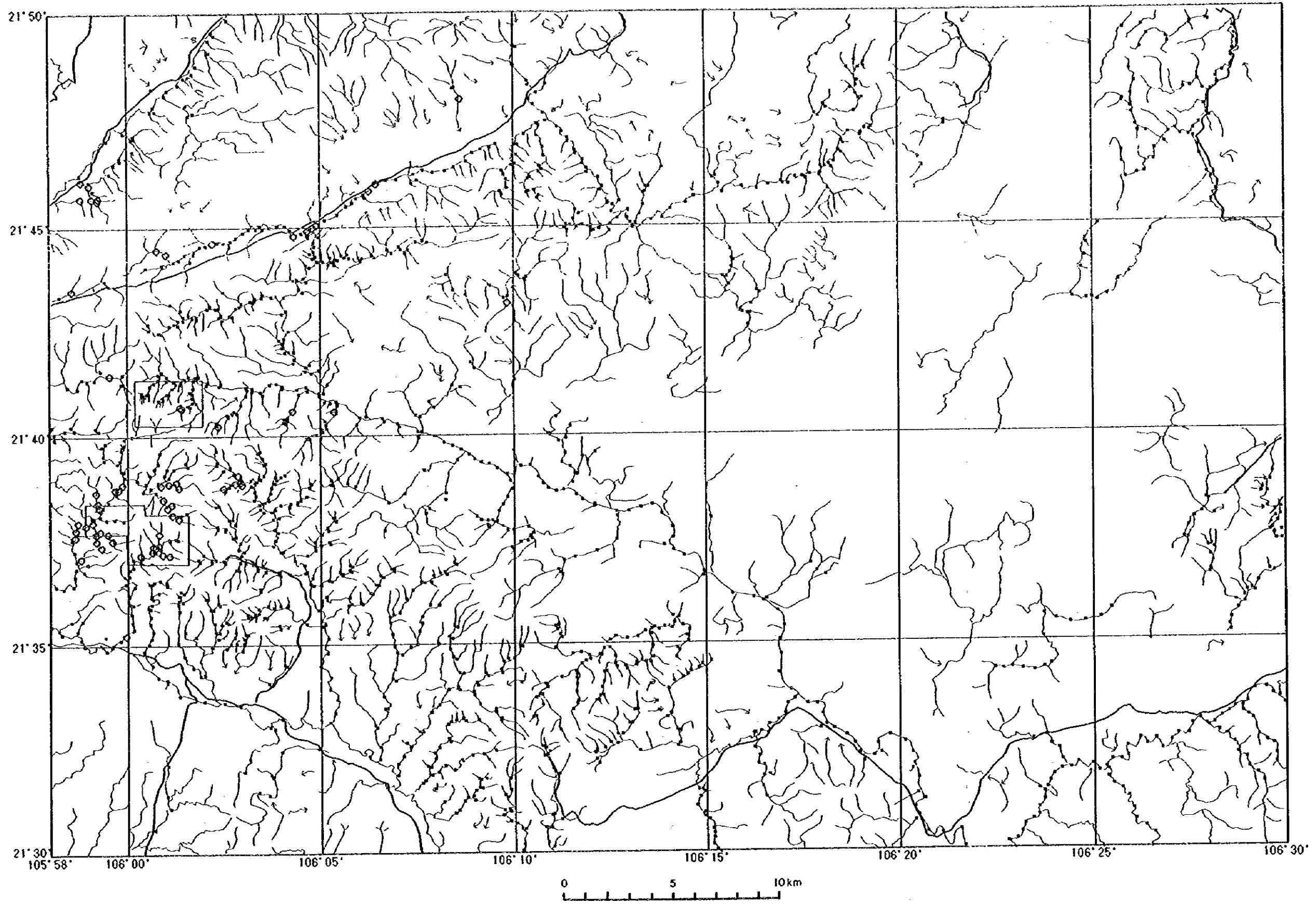
Stream Sediment Geochemistry Au



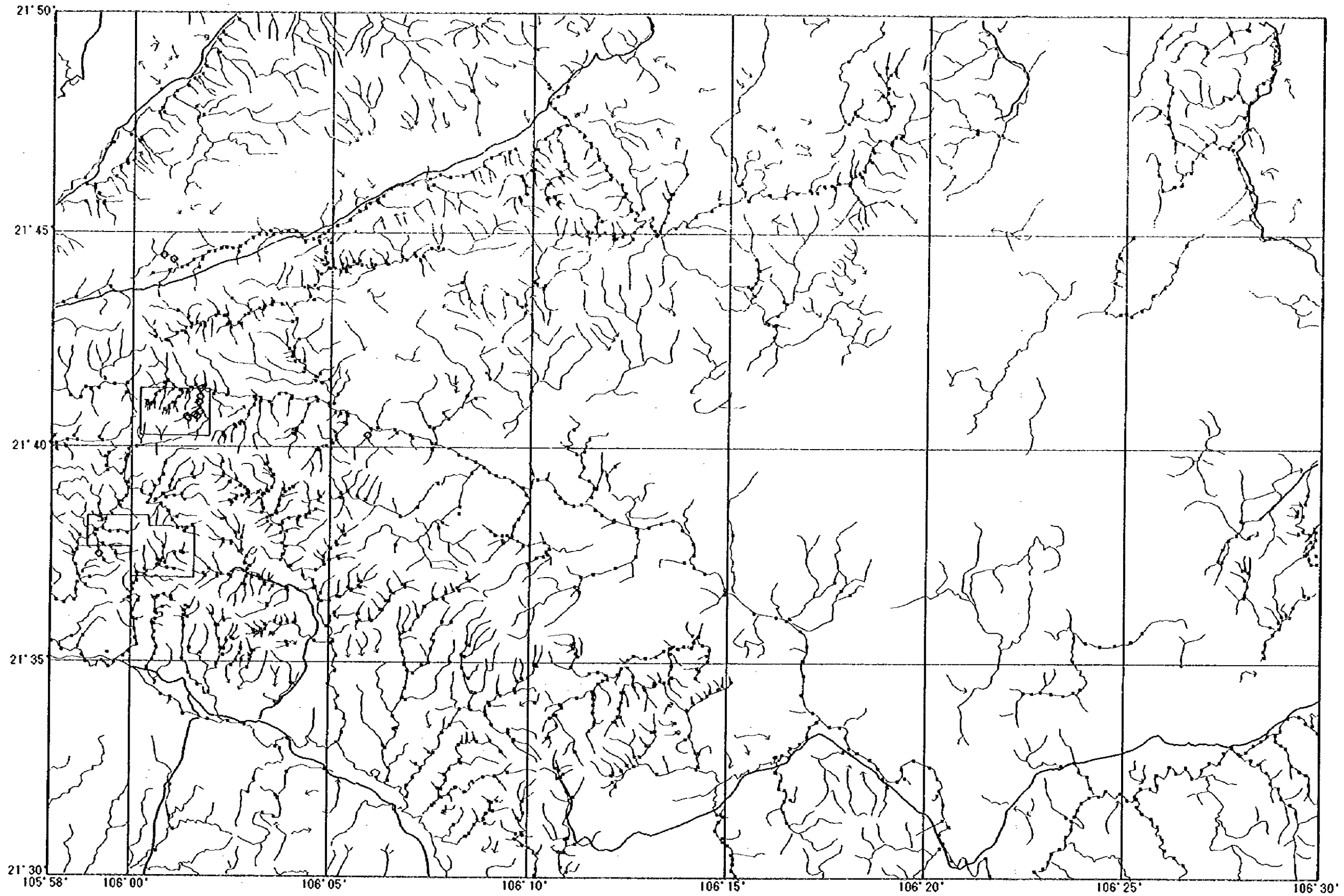
◊ ≥ 150 ppb
• < 150 ppb



Stream Sediment Geochemistry Ag



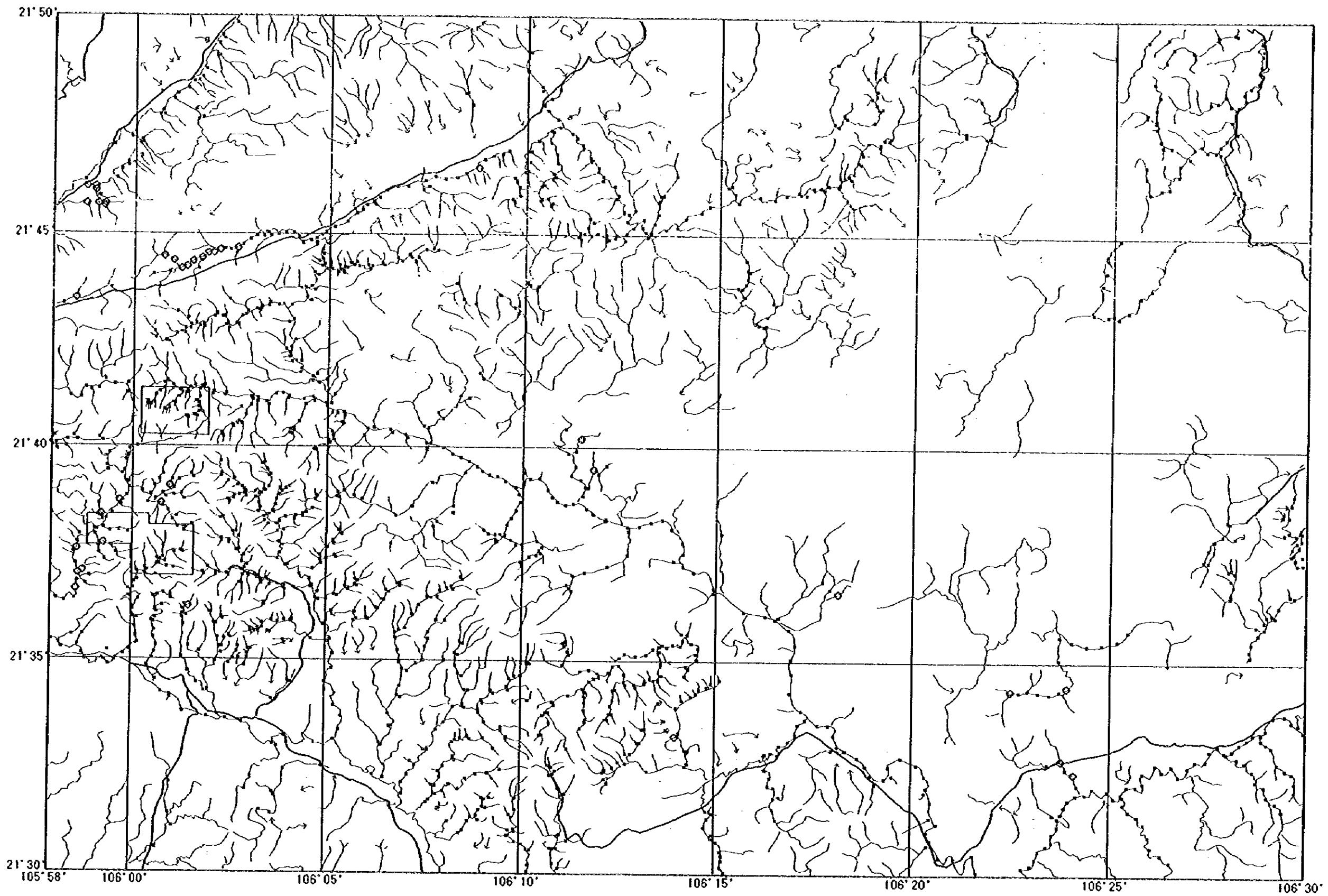
Stream Sediment Geochemistry Cu



○ ≥ 80 ppm
• < 80 ppm

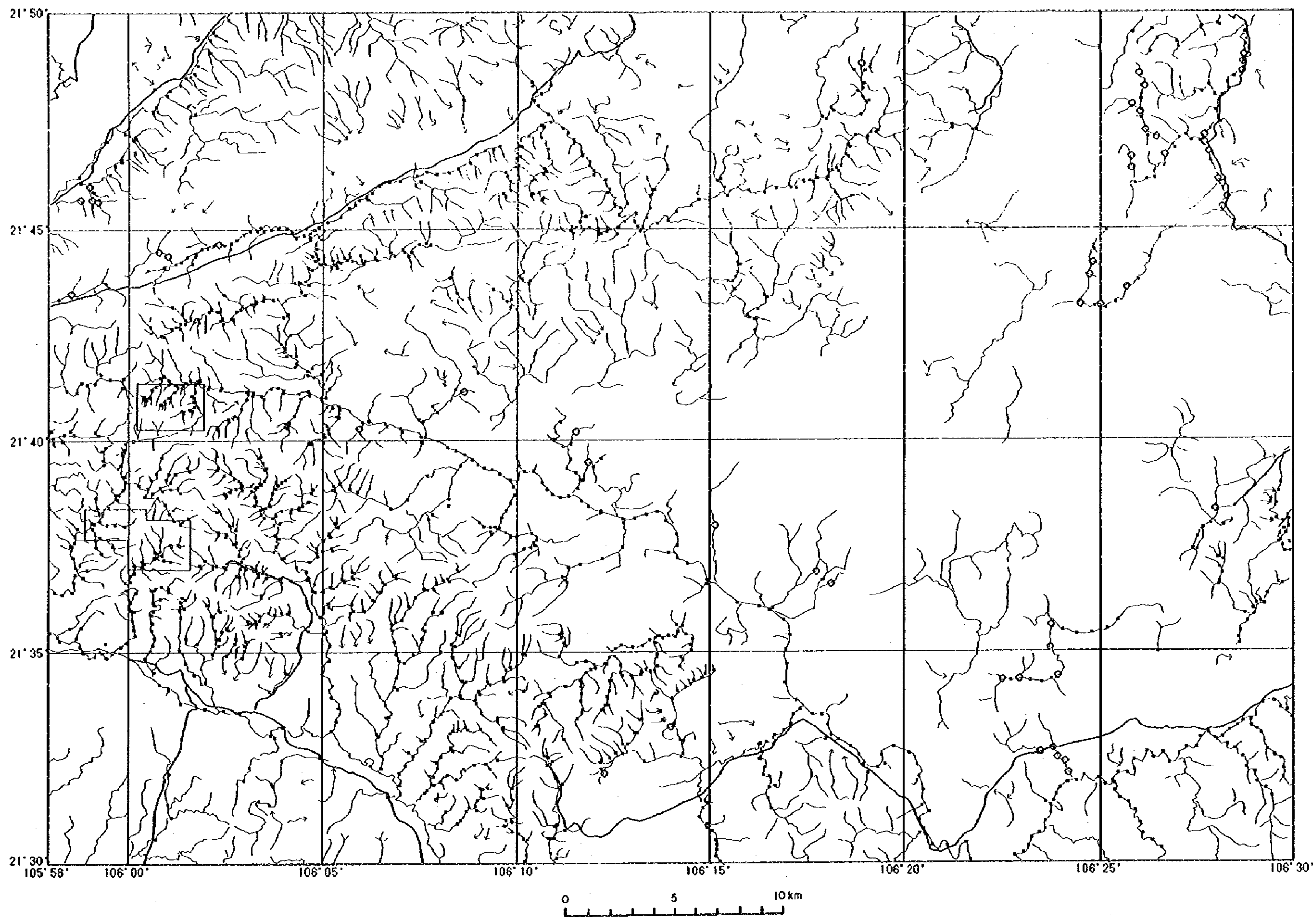
0 5 10km

Stream Sediment Geochemistry Pb



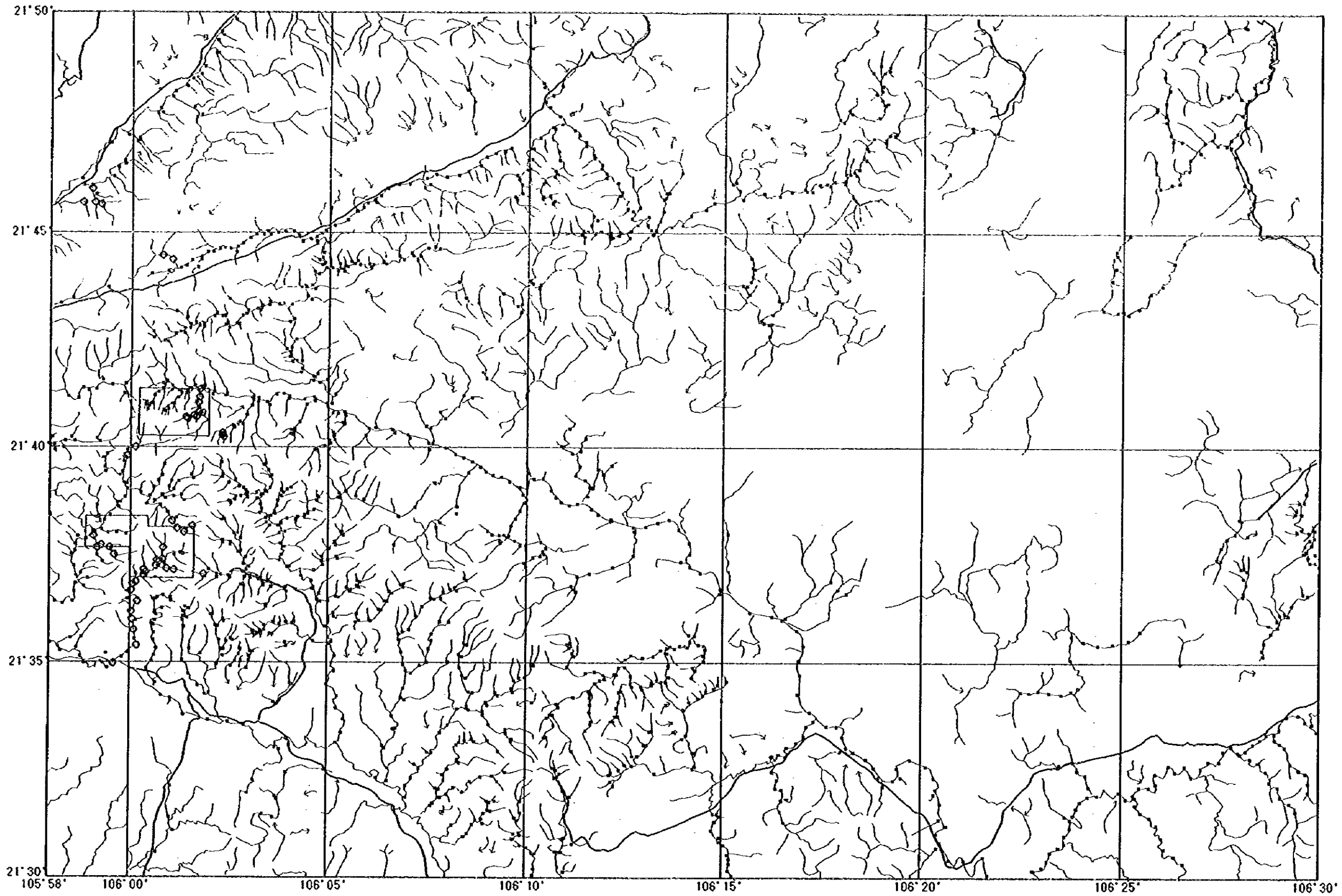
○ ≥ 120 ppm
• < 120 ppm

Stream Sediment Geochemistry Zn

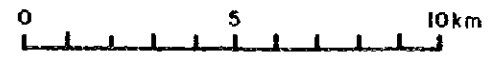


○ ≥ 143 ppm
• < 143 ppm

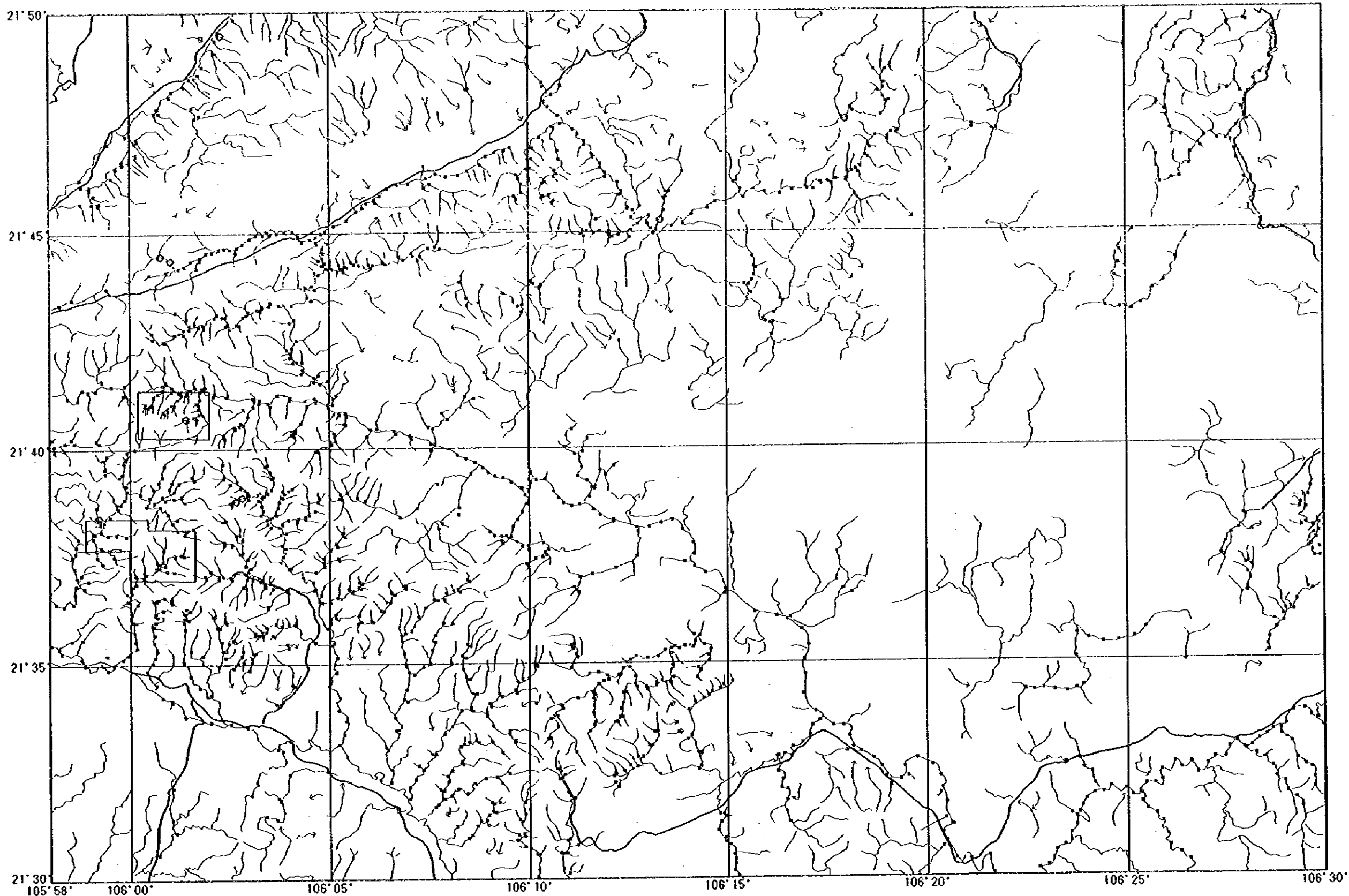
Stream Sediment Geochemistry As



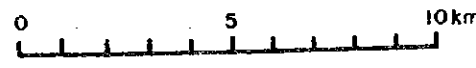
○ ≥ 117 ppm
● < 117 ppm



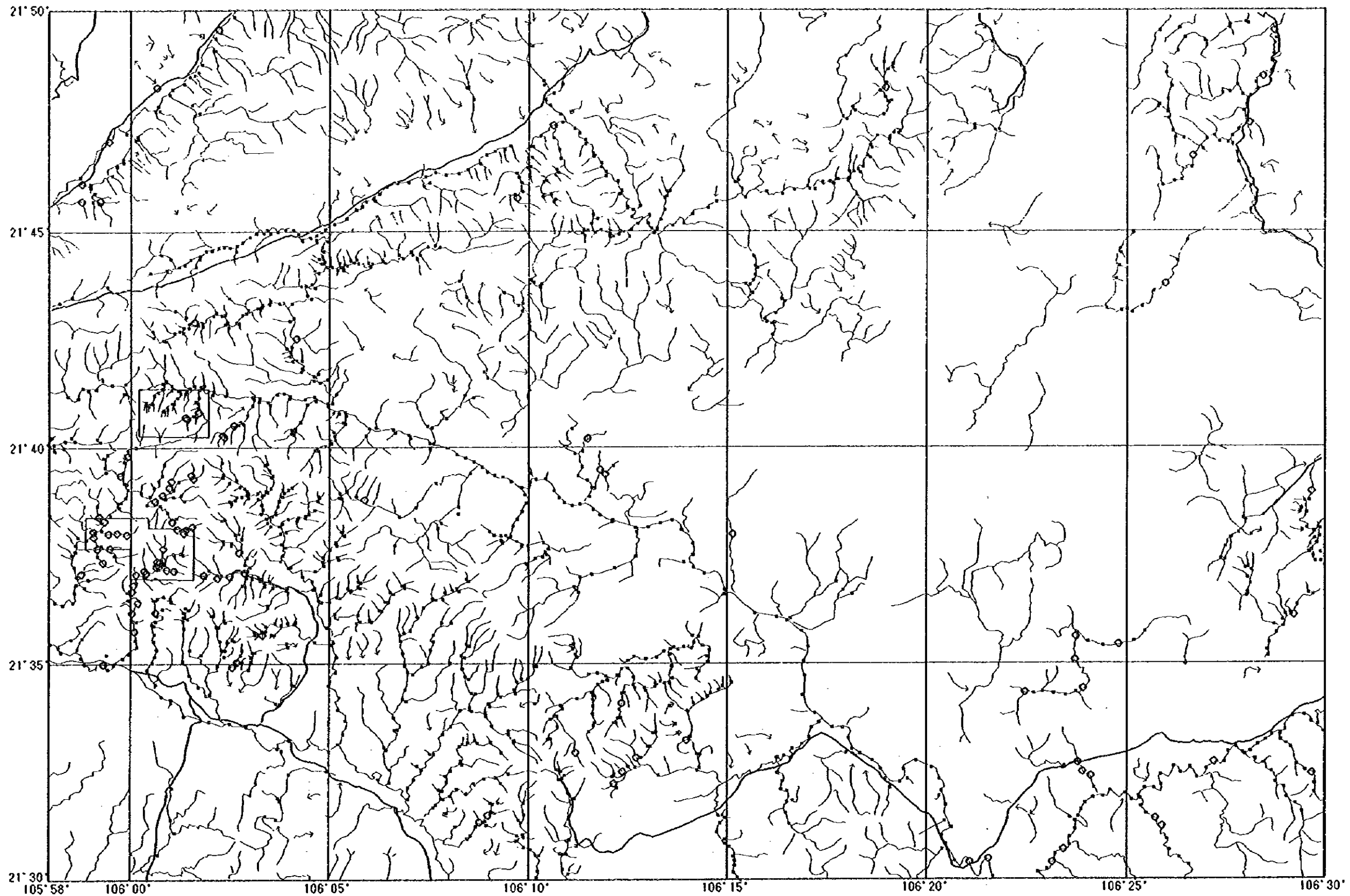
Stream Sediment Geochemistry Sb



○ \geq 49 ppm
• < 49 ppm



Stream Sediment Geochemistry Hg



○ ≥ .07 ppm
• < .07 ppm

0 5 10km

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App. 3 Results of Gold and Heavy Mineral Analysis

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Sample No.	Locality	Field Observation				Observation under the Microscope																					
		Au(Ct)				A=60 to 100%, M=30 to 60%, F=1 to 30%, V=1 grain to 1%																					
		C	M	F	VF	C	M	F	VF	Tu	Cn	Py	As	Cp	Gn	Sp	Mg	Hm	to	Zr	Rt	B	An	Gr	Ap	Lx	Sd
B033P	S. Ca					2	10	2	F			V	V			V	V	F	F	V	F	V	V				
B034P	S. Ca					2	3		F			V	V			V		F	F	V	F	V	F				
B035P	S. Ca							3	F			V	V			V		F	V	V	F	V	F			V	
B036P	S. Ca						3		F			V	F			F	F	F	V	V	F	V	F			V	
B037P	S. Ca					2	5		F			V	V			V	V	F	V	V	F	V	F				
B038P	S. Ca					1	5	2	V			V	V			V	V	F	V	V	F	V	F				
B039P	S. Ca						5	6	V			V						F	V	V	F	V	F				
B040P	S. Ca							3	F									F	V	V	F	V	F				
B042P	S. Ca								F									F	V	V	F	V	F				
B043P	S. Ca						3		F							V	V	F	V	V	F	V	F				
B044P	S. Ca							1	F			V				V	F	F	V	V	F	V	F				
B045P	S. Ca							1	F			V	V			V	V	F	V	V	F	V	F				
B046P	S. Ca							1	F			V	V			V	V	F	V	V	F	V	F				
B047P	S. Ca							2	F			V	V			V	V	F	V	V	F	V	F				
B048P	S. Ca							2	F			V	V			V	V	F	V	V	F	V	F				
B049P	S. Ca	1				1	1	2	F			V	V			V	V	F	V	V	F	V	F	V		V	
B050P	S. Ca							1	V			V	V			V	V	F	V	V	F	V	F	V		V	
B051P	S. Ca								V			V	V			V	V	V	V	V	V	V	V			V	
B052P	S. Ca							1	F			V	V			V	V	F	V	V	F	V	F			V	
B053P	S. Ca						2		F			V	V			V	V	F	F	V	F	V	F			V	
B054P	S. Ca								F			V	V			V	V	F	V	V	F	V	F			V	
B055P	S. Ca					1			F			V	V			V	V	F	V	V	F	V	F			V	
B056P	S. Ca								F			V	V			V	V	F	V	V	F	V	F			V	
B057P	S. Ca								V			V	V			V	V	F	V	V	F	V	F			V	
B058P	S. Ca		3	5		1	1	5	2	F	V				F	V	F	F	V	F	V	F					
B059P	S. Ca		1						F			V	V			V	V	F	V	V	F	V	F				
B060P	S. Ca						1		F			V	V			V	V	F	F	F	F	V	F			V	
B061P	S. Ca			2	3			2	2	V		V	V			F	V	F	F	V	V	F					
B062P	S. Ca				1			1	2	V		V	V			F	V	F	F	V	V	F					
B063P	S. Ca					2	2	1	F			V	V			F	V	F	F	V	V	F				V	
B064P	S. Ca								V			V	V			V	V	F	V	V	F	V	F			V	
B065P	S. Ca								V			V	V			V	V	F	V	V	F	V	F				
B067P	S. Ca								V			V	V			V	F	F	V	V	F	V	F				
B068P	S. Ca							1	V			V	V			V	V	F	V	V	F	V	F				
B069P	S. Ca							1	V			V	V			V	V	F	V	V	F	V	F				
B070P	S. Ca		1					1	F			V	V			V	V	F	V	V	F	V	F			V	
B071P	S. Ca								V			V	V			V	V	V	V	V	V	V	V				
B072P	S. Ca								V			V	V			V	F	F	V	V	V	V	V				
B073P	S. Ca								F			V	V			V	V	F	V	V	F	V	F				
B074P	S. Rong							1	V			V	V			V	V	V	V	V	V	V	V				
B075P	S. Rong								V			V	V			V	V	V	V	V	V	V	V				
B077P	S. Rong								V			V	V			V	V	V	V	V	V	V	F				
B078P	S. Rong								V			V	V			V	V	V	V	V	V	V	V				
B080P	S. Rong								V			V	V			V	V	F	V	V	V	V	V			V	
B081P	S. Quang Phuoc				2				V			V	V			V	F	V	V	V	F	V	V			V	V
B083P	S. Rong								V			V	V			V	V	F	V	V	V	V	V			V	V
B084P	S. Rong								V			V	V			V	F	F	V	V	V	V	V			V	V
B095P	S. Rong								V			V	V			V	V	F	V	V	V	V	F			V	V
B096P	S. Rong								V			V	V			V	V	F	V	V	V	V	F			V	V
B099P	S. Giang								V			V	V			V	V	F	V	V	V	V	F				
B102P	S. Giang								F			V	V			V	V	F	V	V	V	V	F				
B103P	S. Giang								F			V	V			V	V	F	V	V	V	V	F				
B106P	S. Giang								F			V	V			V	V	F	V	V	V	V	F			V	
B107P	S. Giang							1	F			V	V			V	V	F	V	V	V	V	F			V	
B109P	S. Giang								F			V	V			V	V	F	V	V	V	V	F			V	
B110P	S. Giang								F			V	V			V	V	F	V	V	V	V	F				
B113P	S. Giang								F			V	V			V	V	F	V	V	V	V	F				
B114P	S. Giang								F			V	V			V	V	F	V	V	V	V	F			V	
B115P	S. Giang								V			V	V			V	V	V	V	V	V	V	V				
B116P	S. Giang							1	F			V	V			V	F	F	V	V	V	V	V			V	
B120P	S. Giang								V			V	V			V	V	F	V	V	F	V	V			V	
B121P	S. Giang								F			V	V			V	V	F	V	V	V	V	F			V	
B124P	S. Giang								F			V	V			V	V	F	V	V	F	F	F			V	
B127P	S. Hoan								V			V	V			V	V	F	V	V	F	F	F				
B131P	S. Hoan								F			V	V			F	V	F	V	V	F	F	F			V	V
B133P	S. Hoan								V			V	V			V	V	V	V	V	V	V	V			V	V
B134P	S. Hoan								F			V	V			V	V	F	V	V	F	F	F			V	V
B136P	S. Hoan								F			V	V			V	V	F	V	M	F	F	F			V	
B137P	S. Hoan								V			V	V			V	V	V	V	V	M	V	V			F	
B141P	S. Hoan								V			V	V			V	V	V	V	V	F	V	V			V	

Sample No.	Locality	Field Observation				Observation under the Microscope																						
		Au(C)				Au(C)				Tu	Cn	Py	As	Cp	Gn	Sp	Mg	Hm	Io	Zr	Rt	H	An	Gr	Ap	Lx	Sd	Cr
		C	M	F	VF	C	M	F	VF																			
B143P	S. Giang									V								V	V	V	V	A	V			V		
B147P	S. Giang									V								F	V	V	V	M	F			V		
B150P	S. Hoan									V								V	V	F	V	F	F		V			
B151P	S. Hoan									V								V	V	F	V	F	F			V		
B153P	S. Hoan									F								F	V	F	V	M	V	V		V		V
B154P	S. Hoan									V								V	V	F	F	F	V			V		V
B162P	S. Hoan									V	V							V	V	F	V	F	V			V		V
B170P	S. Hoan									V								V	V	F	V	F	V			V		V
B171P	S. Hoan									V								V	V	F	V	F	V			V		V
B173P	S. Hoan									V								V	V	F	V	F	V			V		V
B177P	S. Hoan									V								V	V	F	V	F	V			V		V
B179P	S. Hoan									F								V	F	F	V	F	F			V		V
B184P	S. Hoan									F								V	F	F	V	F	F			V		V
B187P	Quyet Thang									V								V	V	F	V	F	V			V		V
B188P	Quyet Thang									V								V	V	F	V	F	V			V		V
B191P	Quyet Thang									F								V	V	F	V	F	F		V			V
B202P	Quyet Thang									F							F	V	V	F	V	F	F					V
B203P	Quyet Thang									F								V	V	V	V	V	V					V
B211P	Quyet Thang									F			V	V				V	V	F	V	V	F		V			V
B212P	Quyet Thang									F			V	V				V	V	F	F	F	F		V			V
B221P	Quyet Thang									F			V	V				V	V	F	V	V	F		V			V
B222P	Quyet Thang									F			V	V				V	V	F	V	V	F		V			V
B226P	Quyet Thang									F	V							V	V	F	V	F	F		V			V
B245P	Lung Than									V								V	V	F	V	F	F			V		V
B247P	S. Trung									F								V	V	F	V	V	F			V		V
B249P	S. Trung									V								V	V	F	V	V	F			V		V
B254P	S. Trung									V								V	V	F	V	F	F		V			V
B255P	S. Trung									V								V	V	F	V	M	V		V			V
B262P	S. Trung									V	V							V	V	F	V	M	F			V		V
B265P	S. Trung									F								V	V	F	F	F	F			V		V
B270P	S. Trung									V								V	V	F	V	A	F			V		V
B271P	S. Trung									V	V							V	V	F	V	A	F			V		V
B272P	S. Trung									V								V	V	F	V	M	F		V			V
B273P	S. Trung									V								V	V	F	V	M	F			V		V
B280P	S. Trung									V								V	V	F	V	F	F			V		V
B281P	S. Trung									V								V	V	F	V	F	F			V		V
B288P	S. Trung									V								V	V	F	V	F	F			V		V
B289P	S. Trung									V								V	V	F	V	F	F			V		V
B291P	S. Tram				1					V								V	V	V	V	V	V					V
B297P	S. Tram									V								V	V	V	V	V	F					V
B300P	S. Tram									F								V	V	F	V	V	F					V
B301P	S. Tram				2					V					V			V	V	V	V	V	F					V
B303P	S. Tram				1					V								V	V	V	V	V	V					V
B307P	S. Tram				1					V								V	V	V	V	V	F					V
B317P	S. Tram									V								V	V	F	V	V	F					V
B323P	S. Tram									F								F	V	F	V	V	F					V
B355P	S. Tram									V								V	V	F	V	V	F					V
B375P	S. Bo Dai									F								V	V	F	V	V	F					V
B381P	S. Bo Dai				1					F	V							V	V	F	F	V	F					V
B385P	S. Bo Dai				3					V								V	V	F	V	V	V					V
B390P	S. Lang Tren				1					V								V	V	F	V	V	F					V
B391P	S. Lang Tren				1					F								V	V	F	F	V	F					V
B392P	S. Lang Tren									V								V	V	F	V	V	F					V
B400P	S. Deo Inh									V								V	V	F	V	V	V		V			V
B401P	S. Deo Inh									F								V	V	F	V	V	F		V			V
B414P	S. Deo Inh		2							F								V	V	F	F	V	F		V			V
B419P	S. Ouyh			1						V								F	V	F	V	V	F			V		V
B422P	S. Ouyh									V								F	V	F	V	V	F			V		V
B429P	S. Deo But			1						V								F	V	F	V	F	F			V		V
B430P	S. Oc									2	3							F	V	F	F	F	F					V
B431P	S. Oc				1					V	V							V	V	F	V	V	F					V
B433P	S. Oc		1							V								V	V	F	V	V	F					V
C001P	S. Nang									F								V	V	F	F	F	F		V			V
C005P	S. Nang									F								V	V	F	F	F	F		V			V
C006P	S. Nang									F								V	V	F	F	F	F		V			V
C009P	S. Nang									F								V	V	F	F	F	F		V			V
C012P	S. Nang									F								V	V	F	F	F	F		V			V
C017P	S. Nang									F								V	V	F	F	F	F		V			V
C022P	S. Nang									F								V	V	F	V	F	F		V			V
C025P	S. Nang									F								V	V	F	F	F	F		V			V
C026P	S. Nang									F	V							V	V	F	V	V	F		V			V
C032P	S. Nang									F								V	V	F	V	V	F		V			V
C034P	S. Nang									F								V	V	F	F	V	F		V			V
C039P	S. Boc									V	V							V	V	V	V	V	V		V			V
C042P	S. Na Dong									V								V	V	V	V	A	V		V			V
C047P	S. Boc									V	V							V	V	V	V	A	F		V			V
C049P	S. Boc									V								V	V	V	V	A	F		V			V

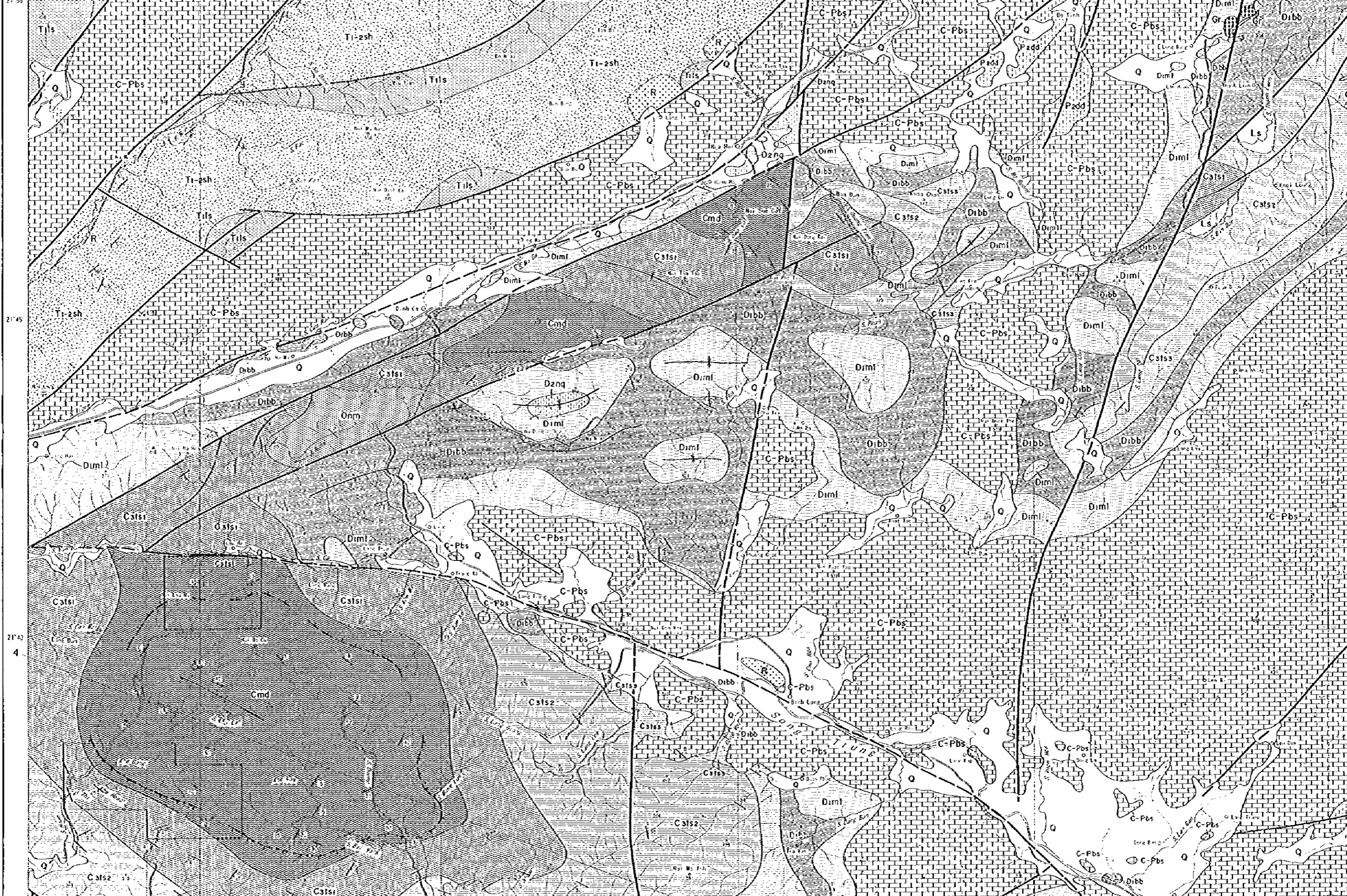
Sample No.	Locality	Field Observation				Observation under the Microscope																						
		Au/Ct				A=60 to 100%, M=50 to 60%, F=1 to 50%, V=1 grain to 1%																						
		C	M	F	VF	C	M	F	VF	Tu	Cn	Py	As	Cp	Gn	Sp	Mg	Hm	Io	Zr	Rt	Il	An	Gr	Ap	Lx	Sd	Cr
D300P	Deo Inh									V								V	V	F	V	V	F	V			V	V
D301P	Deo Inh									F								V	V	F	F	F	F	F	V		V	V
D307P	Deo Inh									F								V	V	F	V	F	F	F	V		V	V
D308P	S. Ngan Me						1			F		V	V					V	F	F	V	V	F	F			V	V
D309P	S. Ngan Me	2		2			2			V	V	V	V					V	F	F	V	V	V	V	V		V	V
D314P	S. Ngan Me						1	2		F		V	V				V	V	V	F	V	F	F	F			V	V
D319P	S. Ngan Me							1		F		V	V					V	V	F	V	F	F	F			V	V
D320P	S. Ngan Me					1	1	2	5	V	V	V	V					V	V	F	V	F	F	F			V	V
D327P	S. Ngan Me									F		V	V					V	V	F	V	V	F	F			V	V
D329P	S. Ngan Me									V		V	V					V	V	F	V	V	F	F			V	V
D332P	S. Cay Thi						1	1		V		V	V					V	V	F	V	V	F	F			V	V
D339P	S. Cay Thi						1			F		V	V					V	V	F	V	V	F	F			V	V
D344P	S. Hoan			1			1	1		V		V	V					V	V	F	V	V	F	F			V	V
D349P	S. Hoan							1		V		V	V					V	V	F	V	V	F	F			V	V
D352P	S. Hoan			1			1	2		F		V	V					V	V	F	V	V	F	F			V	V
D359P	S. Hoan									F		V	V					V	V	F	V	V	F	F			V	V
D364P	S. Hoan						2	8		F		V	V					V	V	F	V	V	F	F			V	V
D367P	S. Hoan									V		V	V					V	V	V	V	V	V	F			V	V
D368P	S. Hoan							3		F		V	V					V	V	F	V	V	F	F			V	V
D370P	S. Hoan						2	5		F		V	V					V	V	F	V	V	F	F			V	V

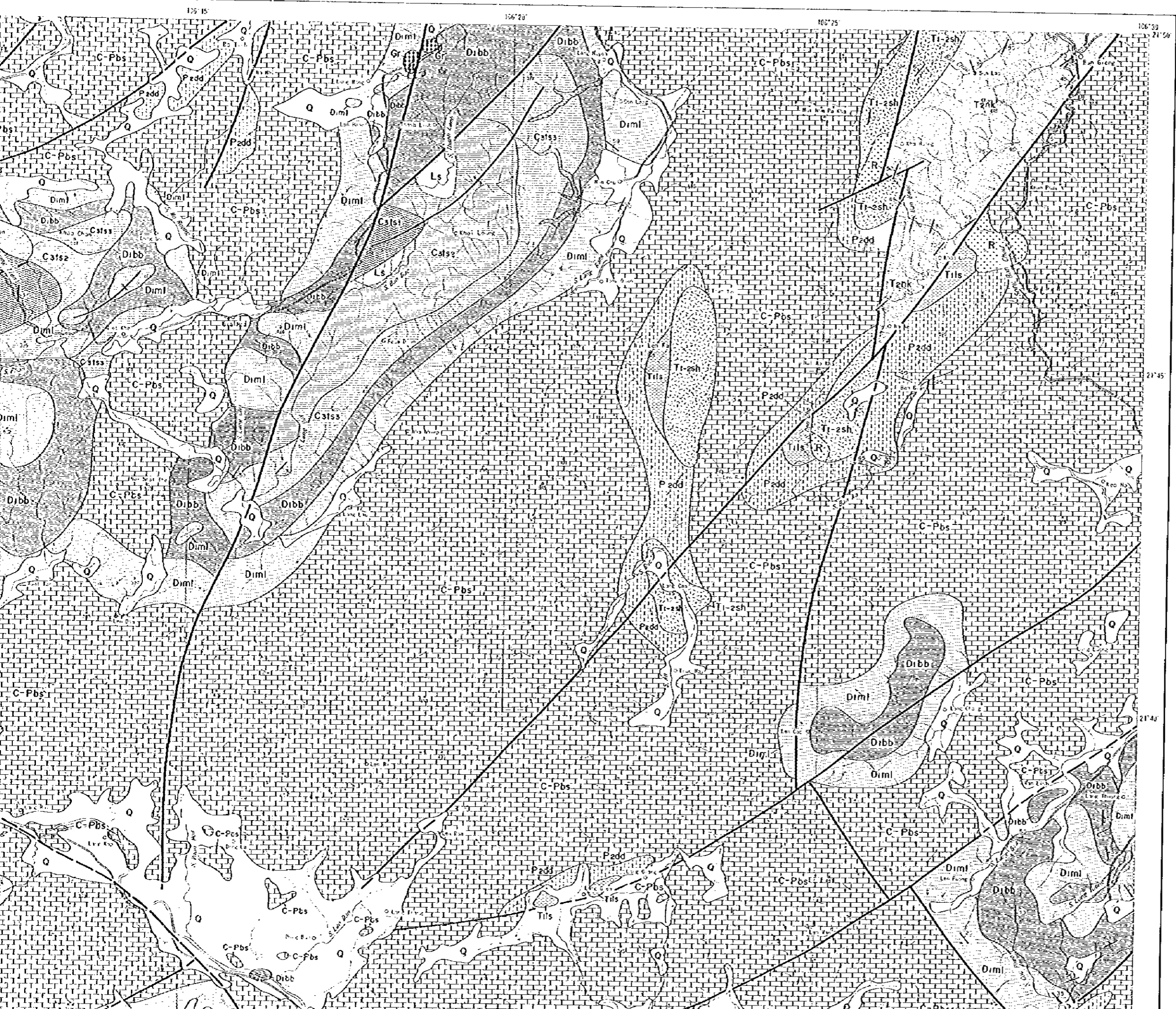
*Abbreviations

Ct, Coarse, M, Medium, F, Fine, VF, Very Fine

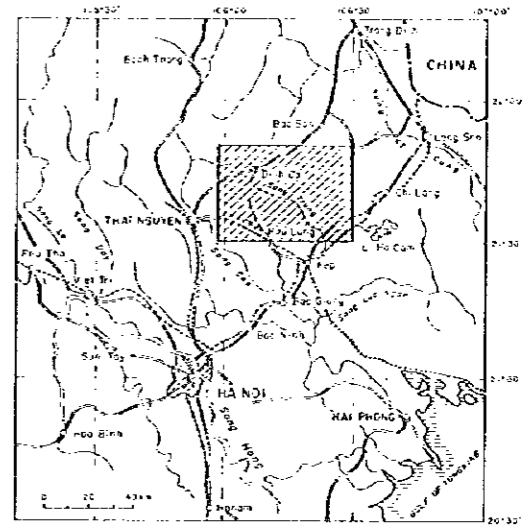
Tu, Tourmaline, Cn, Chnabar, Py, Pyrite, As, Arsenopyrite, Cp, Chalcopyrite, Gn, Galena, Sp, Sphalerite, Mg, Magnetite, Hm, Hematite, Io, Iron Oxide

Zr, Zircon, Rt, Rutile, Il, Ilmenite, An, Anatase, Gr, Garnet, Ap, Apatite, Lx, Leucocane, Sd, Siderite, Cr, Corundum





REPORT ON THE COOPERATIVE MINERAL EXPLORATION
 IN THE BO CU AREA
 THE SOCIALIST REPUBLIC OF VIETNAM
 PHASE I
 GEOLOGIC MAP OF THE BO CU AREA



FEBRUARY 1991
 JAPAN INTERNATIONAL COOPERATION AGENCY
 METAL MINING AGENCY OF JAPAN
 Scale 1:50,000
 0 1 2 3 4 5 km

LEGEND

- STRATIGRAPHY**
- Quaternary: Q Alluvial deposits
 - Triassic:
 - Tsn-rvz Van Long F.
 - Tsnst Mau Son F.
 - Tznk Na Khuat F.
 - Tl-zsh Song Hiem F. (R: rhyolite)
 - Tls Long Son F.
 - Carboniferous-Permian:
 - Pzdd Dong Dang F.
 - C-Pbs Bac Son F.
 - Devonian:
 - Dznq Na Quan F.
 - Dmi Mia Le F.
 - Dibb Bac Bui F.
 - Ordovician:
 - Dnm Na Ma F.
 - Cambrian:
 - Cstss Upper Than Sa F.
 - Cstsz Middle Than Sa F. (Ls: limestone)
 - Cstsl Lower Than Sa F.
 - Cnd Ma Dong F.
- IGNEOUS ROCK**
- Gr Granite
- OTHERS**
- Fault
 - Thrust
 - Dip and strike of bedding



21° 43'
4

21° 39'

21° 35'

106° 00'

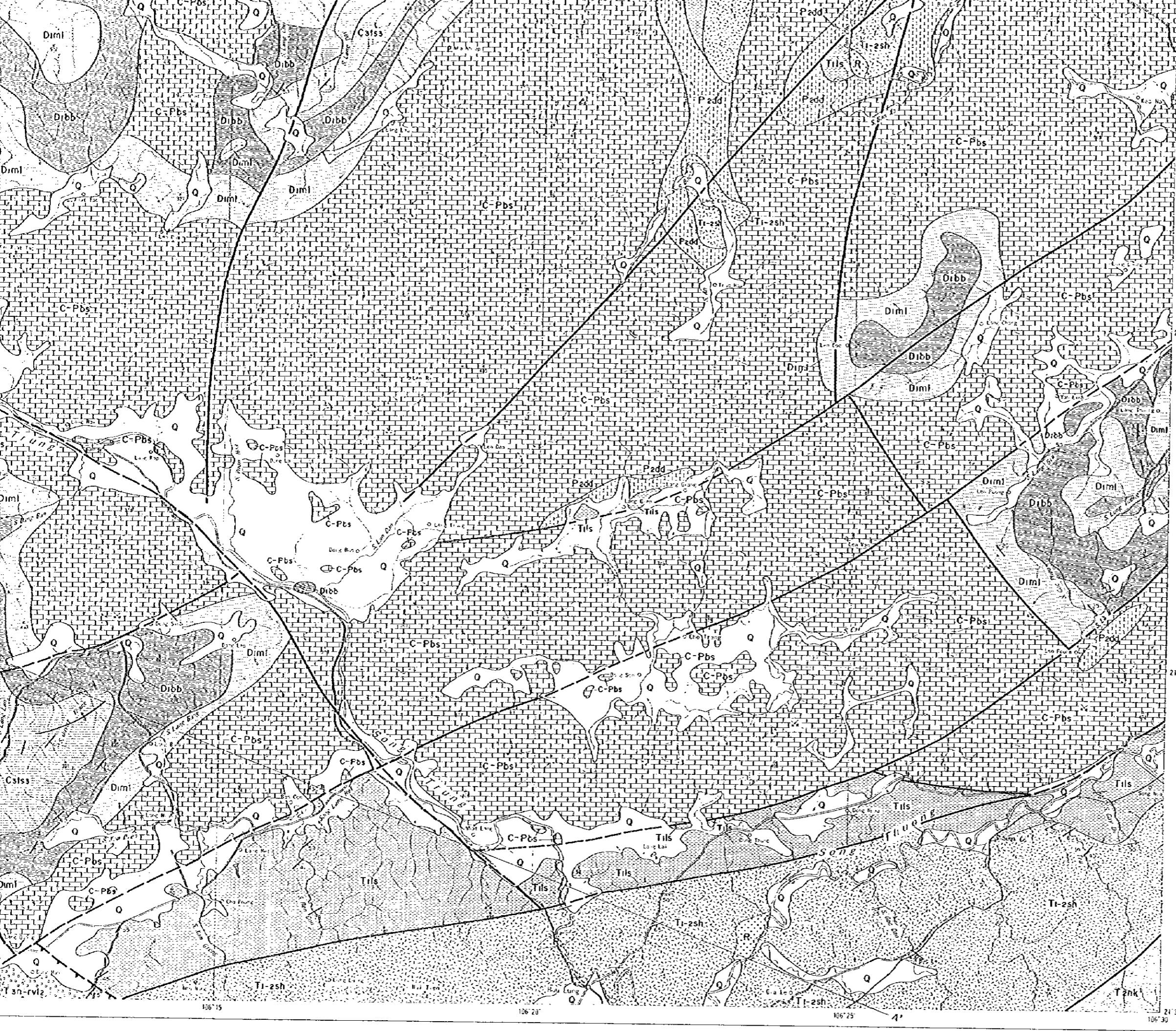
B

106° 05'

106° 10'

106° 15'

106° 20'



LEGEND

STRATIGRAPHY

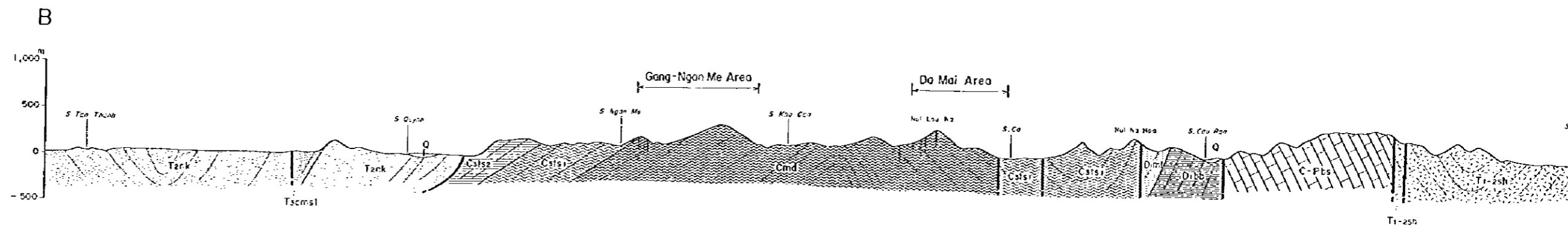
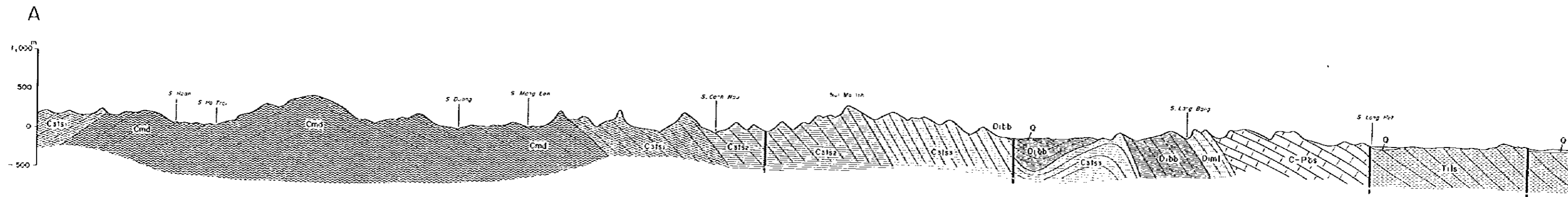
- | | | |
|--------------|----------|-----------------------------------|
| Quaternary | Q | Alluvial deposits |
| Triassic | Tsn-rvlz | Van Lang F. |
| | Tsoms1 | Mou Son F. |
| | Tznk | No Khuat F. |
| | Ti-zsh | Song Hien F. (R: rhyolite) |
| Triassic | Tils | Lang Son F. |
| | Pzdd | Dong Dang F. |
| Carb-Permian | C-Pbs | Bac Son F. |
| | Gzng | No Quan F. |
| Devonian | Diml | Mio Le F. |
| | Dibb | Bac Bun F. |
| Ordovician | Orm | Na Ma F. |
| | Cs's3 | Upper Than So F. |
| Cambrian | Cs's2 | Middle Than So F. (LS: limestone) |
| | Cs's1 | Lower Than So F. |
| | Cnd | Na Dong F. |

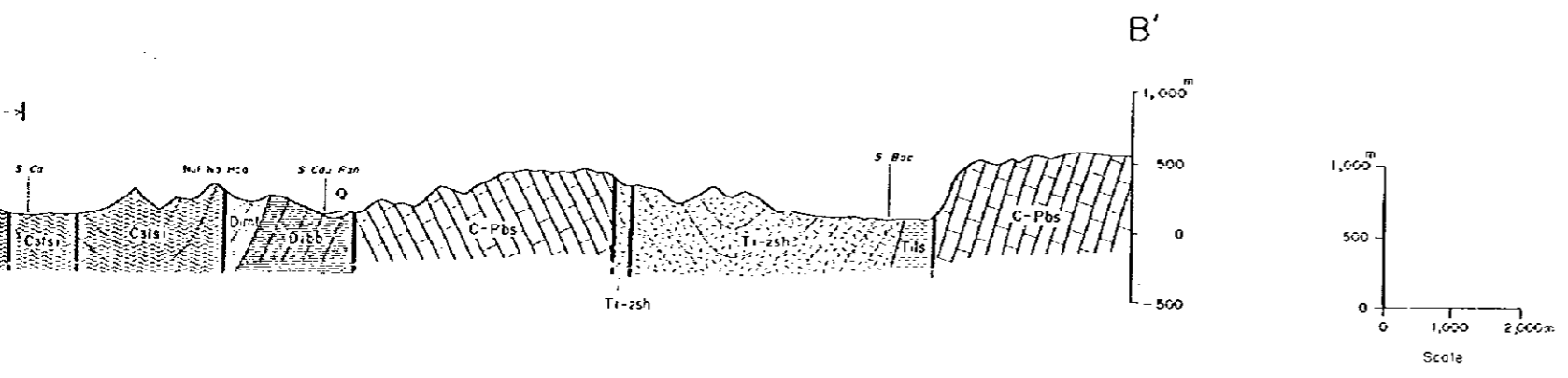
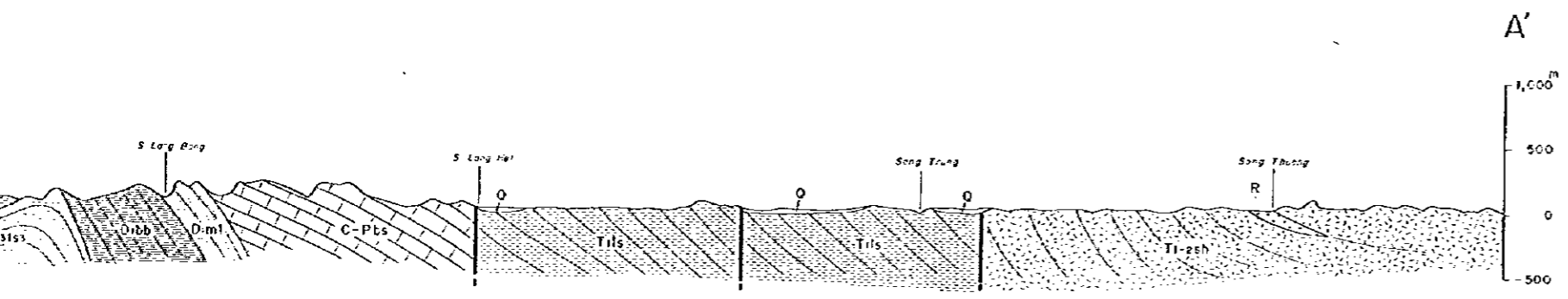
IGNEOUS ROCK

- | | |
|----|---------|
| Gr | Granite |
|----|---------|

OTHERS

- | | |
|----------|--|
| [Symbol] | Fault |
| [Symbol] | Thrust |
| [Symbol] | Dip and strike of bedding or schistosity |
| [Symbol] | Anticlinal axis |
| [Symbol] | Synclinal axis |
| [Symbol] | Monoclinial fold |
| [Symbol] | Adf |
| [Symbol] | Galena Mine field |
| [Symbol] | Detailed Survey Area |
| [Symbol] | Geologic section line |





LEGEND

STRATIGRAPHY

Quaternary	Q	Alluvial deposits
Triassic	T3n-rvl2	Van Lang F.
	T3cm1	Mau Son F.
	T2ck	Na Khuat F.
	T1-zsh	Song Kiem F. (R: rhyolite)
Carb-Permian	Tls	Long Son F.
	P2dd	Dang Dang F.
Devonian	C-Pbs	Bac Son F.
	Dng	Na Quan F.
	Dml	Ma Le F.
Ordovician	Oibb	Bac Bun F.
	Onm	Na Mo F.
Cambrian	C3s3	Upper Than So F.
	C3s2	Middle Than So F. (Ls: limestone)
	C3s1	Lower Than So F.
	Crd	Mo Dong F.

IGNEOUS ROCK

Gr	Granite
----	---------

OTHERS

Fault symbol	Fault
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