

## Area: Gunong Kuli

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G.	S.	T.	H.	Vegetation
		N	E										
281	GK281	4681.27	1450.76	Gunong Kuli	Basestone	N <sub>2</sub> Tj	30	Rd.Br.	M	S	M	W	Primary Forest
282	GK282	4681.35	1450.21	Gunong Kuli	Sandstone	N <sub>2</sub> Tj	25	Yl.Br.	F	C	S	W	Primary Forest
283	GK283	4681.65	1449.74	Gunong Kuli	Sandstone	N <sub>2</sub> Tj	25	Lt.Br.	M	S	S	W	Primary Forest

\*1 Gravel: many (M), few (F), rare or none (R). \*2 Grain size: sandy (S), clayey (C). \*3 Topography: steep (S), medium (M), flat (F).

\*4 Humidity: dry (D), wet (W).



## Appendix 6

Analytical results of soil geochemical samples in S. Imbak Sub-area (Gunong kuli)



List of Geochemical Analysis ( 1 )

Ser. Sample No.	Location (km)	X-coord	Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mb ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
1	GK001	4679.182	1451.573	8	4	42	3	75	6	108	.20	.18	24	>	.05	21	13	.023	.7	31	.35	2.6	2>	38
2	GK002	4679.613	1451.686	14	>	46	4	79	6	142	.32	.19	22	>	.06	20	14	.023	1.2	33	.35	3.0	2>	24
3	GK003	4679.244	1451.137	8	>	46	2	81	6	107	.23	.14	31	>	.06	23	13	.035	1.8	30	.32	2.8	2>	24
4	GK004	4679.716	1451.449	12	>	51	1	76	7	79	.28	.16	25	>	.07	18	14	.017	.7	32	.32	2.4	2>	21
5	GK005	4679.745	1451.094	10	>	66	6	88	8	22	.35	.26	43	>	.09	32	15	.020	>	33	.32	2.4	2>	40
6	GK006	4680.478	1451.379	162	12	75	1>	64	42	39	.43	.10	55	2	.08	15	66	.030	6.5	21	.26	3.4	3	30
7	GK007	4680.701	1451.137	127	15	93	1>	64	77	61	.56	.17	102	>	.11	19	111	.037	9.3	31	.31	4.0	2>	66
8	GK008	4684.296	1451.901	37	4	136	4	89	13	67	1.06	.21	39	>	.12	16	44	.025	2.8	19	.41	2.4	2>	34
9	GK009	4684.555	1451.669	160	3	254	30	52	78	50	1.47	.30	1236	>	.16	26	44	.018	2.2	39	.46	6.8	53	80
10	GK010	4684.053	1451.411	67	15	136	2	89	33	288	1.08	.14	39	>	.08	27	19	.021	3.9	18	.31	3.0	2>	32
11	GK011	4684.508	1451.408	42	6	71	2	59	15	98	.39	.10	32	>	.09	18	19	.022	6.1	42	.35	2.6	3	16
12	GK012	4684.418	1451.123	67	>	86	13	67	42	88	.63	.15	355	>	.11	24	80	.027	3.1	13	.28	3.4	2>	28
13	GK013	4684.863	1451.305	10	>	132	6	90	43	76	.49	.14	146	>	.14	27	29	.021	3.7	29	.55	6.0	2>	66
14	GK014	4685.337	1451.889	13	>	264	16	71	27	91	1.06	.26	551	>	.25	26	27	.019	2.6	82	.46	6.2	2>	50
15	GK015	4685.758	1451.876	10	>	108	4	64	12	50	.98	.19	36	>	.20	22	14	.020	>	29	.37	2.6	2>	36
16	GK016	4685.134	1451.480	17	>	141	8	86	16	42	.98	.34	77	>	.07	20	28	.026	>	40	.41	2.8	2>	53
17	GK017	4685.745	1451.340	4	>	261	10	69	21	96	1.23	.25	328	>	.25	23	31	.023	2.6	87	.44	4.8	4	44
18	GK018	4679.286	1450.620	14	>	105	9	100	12	42	.67	.44	104	>	.45	55	12	.018	2.0	52	.41	2.8	2>	47
19	GK019	4679.143	1450.141	7	>	42	4	75	4	62	.22	.16	24	>	.20	28	20	.023	2.6	29	.34	2.8	2>	35
20	GK020	4679.812	1450.727	15	>	473	4	87	6	137	.29	.21	34	>	.12	26	14	.038	3.0	38	.33	3.0	2>	59
21	GK021	4679.846	1450.467	13	>	522	5	83	7	106	.23	.15	25	>	.14	22	15	.026	3.4	33	.34	3.0	2>	23
22	GK022	4679.733	1450.152	18	>	485	5	76	14	40	.75	.25	96	>	.14	29	12	.025	6.0	26	.32	3.0	2>	29
23	GK023	4680.248	1450.639	59	>	453	1>	66	15	47	.25	.13	36	>	.11	16	17	.056	4.3	18	.27	3.0	2>	23
24	GK024	4680.609	1450.898	110	1	450	4	76	32	106	.51	.14	58	3	.18	16	39	.028	9.3	19	.29	2.8	2>	29
25	GK025	4680.446	1450.448	246	13	666	2	82	26	42	.55	.09	25	>	.10	13	16	.027	14.3	34	.30	3.8	4	52
26	GK026	4680.828	1450.656	166	2	421	1	82	15	41	.44	.14	63	>	.10	19	34	.020	8.5	17	.29	2.6	2>	13
27	GK027	4680.379	1450.108	53	4	332	2	62	15	60	.92	.13	329	31	.18	8	65	.029	14.8	21	.21	3.2	9	17
28	GK028	4680.705	1450.206	336	11	385	5	96	151	74	1.04	.14	86	>	.13	13	13	.026	7	27	.36	3.0	2>	33
29	GK029	4680.705	1450.928	46	2	740	5	93	22	74	.94	.13	274	>	.13	33	25	.046	23.1	30	.28	2.6	57	35
30	GK030	4683.604	1450.776	575	38	501	9	91	145	97	.73	.13	35	>	.15	36	29	.018	4.1	15	.38	3.0	2>	39
31	GK031	4683.849	1450.542	22	1	133	1>	89	10	36	.58	.10	26	>	.04	17	22	.024	1.3	27	.22	2.4	2>	28
32	GK032	4683.631	1450.375	51	3	93	1>	53	10	26	.78	.11	32	>	.16	25	22	.048	5.7	23	.30	2.8	2>	18
33	GK033	4683.911	1450.375	73	7	661	1>	92	25	111	1.13	.12	104	>	.27	15	22	.034	7.8	37	.40	2.8	2>	43
34	GK034	4683.704	1450.161	164	17	722	1>	75	10	83	1.15	.24	104	>	.22	33	24	.023	6.0	37	.44	2.6	4	51
35	GK035	4684.741	1450.936	26	1	796	5	91	17	79	1.33	.23	352	>	.33	33	31	.015	4.1	45	.49	4.6	2>	65
36	GK036	4684.484	1450.742	33	2	834	34	90	26	41	.85	.39	874	>	.15	15	18	.026	4.3	33	.30	2.6	2>	24
37	GK037	4684.262	1450.513	8	1>	1222	23	71	44	82	.81	.15	25	1	.23	17	22	.024	9	70	.48	7.6	2>	31
38	GK038	4684.899	1450.705	8	1	457	2	78	11	41	.81	.16	33	>	.06	12	27	.035	3.0	20	.20	3.0	5	17
39	GK039	4684.690	1450.050	29	1	492	1>	64	122	65	1.07	.28	423	18	.16	50	25	.027	5.4	29	.46	4.2	2>	63
40	GK040	4685.420	1450.576	19	1>	91	16	147	20	121	.21	.06	33	>	.16	26	15	.027	3.0	20	.48	7.6	2>	47
41	GK041	4685.636	1450.815	82	24	32	1>	115	190	162	.21	.56	33	18	.06	12	27	.035	5.4	10	.20	3.0	5	17
42	GK042	4682.144	1449.715	9	1>	138	5	82	20	107	.80	.21	64	>	.16	26	15	.027	2.3	29	.46	4.2	2>	47
43	GK043	4685.357	1450.291	5	1>	203	19	95	30	88	1.17	.56	269	>	.44	48	23	.033	2.3	55	.45	3.4	2>	81
44	GK044	4685.450	1449.935	9	1>	93	3	90	13	52	.56	.26	105	>	.09	33	10	.027	2.2	30	.35	2.6	2>	39
45	GK045	4679.419	1449.632	13	3	63	6	59	8	68	.34	.12	47	>	.13	16	36	.021	1.3	11	.32	3.0	2>	43
46	GK046	4679.807	1448.811	37	3	100	7	102	13	47	.68	.29	64	>	.12	42	22	.024	8	15	.37	2.6	2>	46
47	GK047	4679.308	1449.383	5	1>	101	11	85	16	56	.65	.30	327	>	.17	49	10	.028	1.9	18	.32	2.4	2>	59
48	GK048	4679.838	1449.339	13	1>	100	1	112	7	71	.29	.19	33	>	.09	30	13	.031	1.1	17	.37	2.8	2>	43
49	GK049	4679.706	1448.115	8	1>	50	1	112	7	45	.58	.23	58	>	.13	25	16	.030	1.7	13	.35	2.6	2>	36
50	GK050	4680.216	1449.733	8	1>	93	9	65	11	45	.58	.23	58	>	.13	25	16	.030	1.7	13	.35	2.6	2>	36

List of Geochemical Analysis ( 2 )

Ser. No.	Sample No.	Location (km)	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mb ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
51	GK051	4680.537	1449.676	13	177	21	121	23	23	1.36	.59	482	1	.31	16	19	.041	5	44	.40	2.4	2	72
52	GK052	4680.529	1449.375	3	128	9	86	19	91	.87	.50	115	1	.44	45	18	.026	2.0	44	.40	2.6	2	60
53	GK053	4680.249	1449.257	2	129	13	79	21	75	.83	.50	289	1	.40	36	16	.046	1.7	31	.39	2.4	2	72
54	GK054	4680.809	1449.148	19	584	4	81	11	103	.54	.29	50	1	.16	35	20	.024	2.5	19	.35	2.4	2	50
55	GK055	4681.169	1449.887	142	82	1	88	64	103	.53	.10	48	8	.08	21	76	.043	9.2	14	.27	3.0	2	33
56	GK056	4681.206	1449.356	321	43	4	84	55	128	.25	.06	78	1	.07	27	17	.045	3.4	11	.33	2.8	5	21
57	GK057	4681.606	1449.413	85	82	2	94	621	170	.61	.22	83	37	.10	25	37	.055	10.7	16	.21	4.0	4	25
58	GK058	4681.865	1449.176	295	142	5	106	177	192	.49	.05	123	1	.09	29	53	.064	52.3	17	.18	2.6	5	37
59	GK059	4683.876	1449.619	8	47	1	44	3	77	.22	.03	6	1	.03	6	10	.016	.3	10	.32	2.6	2	8
60	GK060	4684.178	1449.807	5	48	2	74	4	61	.25	.07	12	1	.10	7	10	.019	.2	18	.24	2.8	2	12
61	GK061	4684.416	1449.495	23	446	2	74	7	53	.34	.13	16	1	.12	16	11	.028	3.2	14	.33	2.6	2	24
62	GK062	4684.803	1449.658	35	151	16	76	24	62	.92	.22	401	1	.19	25	20	.027	.6	39	.36	2.6	2	46
63	GK063	4684.715	1449.338	11	129	1	84	14	33	.76	.21	45	1	.15	25	20	.020	.7	18	.45	4.0	2	29
64	GK064	4684.428	1449.064	15	682	1	78	14	79	.79	.22	54	1	.16	23	18	.022	4.2	19	.37	2.6	2	43
65	GK065	4684.804	1449.102	55	169	4	79	13	45	.78	.15	74	1	.12	21	14	.023	.4	26	.34	2.8	2	51
66	GK066	4685.288	1449.645	34	163	17	86	25	41	1.07	.43	288	1	.29	33	24	.047	.2	137	.36	3.0	2	55
67	GK067	4685.518	1449.548	17	112	5	62	27	98	.52	.21	72	1	.16	22	26	.023	2.4	39	.40	4.6	2	45
68	GK068	4685.923	1449.516	37	106	1	79	11	84	.80	.20	27	1	.13	12	18	.021	.2	317	.16	1.2	2	44
69	GK069	4685.261	1449.244	37	106	1	79	11	84	.80	.20	27	1	.13	12	18	.021	.2	25	.40	3.0	2	34
70	GK070	4685.747	1449.276	110	112	8	38	2	203	.54	.14	148	1	.11	22	26	.023	2.4	39	.40	4.6	2	44
71	GK071	4679.454	1448.741	9	140	6	94	17	50	1.04	.41	36	1	.21	24	27	.027	2.3	47	.65	.8	2	91
72	GK072	4679.830	1448.723	10	1309	34	135	87	87	.24	.90	1318	1	.54	58	46	.028	13.7	60	.47	4.2	2	85
73	GK073	4676.161	1448.337	2	129	20	136	61	73	.57	.83	360	1	.27	52	32	.037	4.7	26	.49	4.6	2	57
74	GK074	4679.576	1448.264	10	128	10	105	21	38	.79	.38	66	1	.22	43	19	.024	3.3	28	.41	2.6	2	56
75	GK075	4679.916	1448.197	7	96	12	100	100	117	.58	.16	160	8	.17	50	27	.041	6.0	22	.31	3.0	6	50
76	GK076	4680.216	1448.871	15	767	11	174	35	103	.33	.14	67	1	.22	60	30	.033	7.5	26	.48	4.0	2	42
77	GK077	4685.247	1450.928	30	4	1118	10	114	88	1.05	.37	253	1	.31	26	32	.027	11.6	59	.48	7.2	2	44
78	GK078	4680.172	1448.350	13	35	2	83	5	128	.16	.11	21	1	.08	18	22	.036	4.3	11	.37	2.4	2	44
79	GK079	4680.494	1448.433	10	108	7	70	16	69	.58	.28	122	1	.18	29	22	.034	1.9	17	.34	2.6	2	44
80	GK080	4680.561	1448.698	2	124	5	89	14	80	.75	.41	79	1	.15	48	21	.034	6.4	16	.39	2.8	2	70
81	GK081	4680.921	1448.846	16	66	1	75	6	107	.25	.18	23	10	.09	12	17	.021	2.6	16	.35	2.4	2	28
82	GK082	4680.908	1448.165	13	163	1	87	22	36	1.14	.41	32	12	.15	23	24	.015	.2	26	.44	3.2	2	41
83	GK083	4681.392	1448.688	15	88	2	59	3	112	.09	.07	12	6	.02	9	10	.023	2.0	10	.33	3.0	2	15
84	GK084	4681.973	1448.704	8	98	3	65	9	206	.18	.17	17	14	.05	17	19	.023	.8	13	.36	3.0	2	27
85	GK085	4681.755	1448.430	11	85	3	71	13	65	.45	.26	32	2	.07	21	13	.027	7.1	13	.40	2.6	2	38
86	GK086	4684.309	1448.414	32	128	1	87	17	76	.82	.14	19	3	.12	27	11	.023	1.0	21	.42	3.0	2	12
87	GK087	4684.636	1448.587	64	76	5	82	14	136	.35	.14	21	4	.05	23	14	.033	4.3	13	.32	2.6	2	22
88	GK088	4684.926	1448.690	22	49	8	73	9	72	.22	.08	13	3	.06	13	13	.028	1.8	32	.37	3.0	2	18
89	GK089	4684.764	1448.260	36	167	13	67	13	63	.87	.25	188	3	.09	13	7	.024	4.7	80	.29	3.9	2	28
90	GK090	4685.293	1448.863	51	150	13	47	16	65	.84	.25	314	1	.17	17	49	.018	.6	34	.33	2.8	2	45
91	GK091	4685.225	1448.433	128	748	5	95	30	132	.83	.18	98	1	.22	15	80	.028	2.8	142	.46	4.2	2	52
92	GK092	4685.836	1448.459	10	1	6	30	15	109	.74	.37	131	1	.24	22	27	.030	3.7	47	.43	3.2	2	58
93	GK093	4685.414	1448.136	9	121	6	30	18	151	.83	.16	65	1	.19	12	30	.024	1.5	37	.29	7.8	2	48
94	GK094	4685.644	1448.120	34	166	3	57	15	70	.87	.16	69	1	.05	19	19	.026	1.2	123	.39	2.8	2	38
95	GK095	4679.288	1447.870	10	106	8	68	16	79	.49	.23	71	1	.09	26	19	.027	2.8	19	.36	2.4	2	32
96	GK096	4679.101	1447.571	3	109	8	76	25	69	.42	.29	86	1	.09	34	27	.036	.2	19	.38	3.8	2	47
97	GK097	4679.747	1447.616	1	33	16	118	66	92	.07	.13	164	1	.13	37	48	.033	5.5	10	.66	5.6	2	74
98	GK098	4679.589	1447.217	36	103	4	86	13	27	.73	.18	46	1	.10	16	19	.027	1.2	51	.34	2.0	3	44
99	GK099	4680.398	1447.713	1	77	3	81	12	36	.36	.19	32	1	.07	24	20	.027	3.8	17	.33	2.6	2	34
100	GK100	4680.675	1447.926	7	135	6	88	22	37	.79	.39	56	1	.11	41	28	.018	3.0	15	.42	3.0	2	67

List of Geochemical Analysis ( 3)

Ser. No.	Sample No.	Location (km)	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mb	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
		X-coord Y-coord	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
101	GK101	4680.455 1447.146	1	1	144	24	168	87	132	60	1.00	698	1	.22	52	40	.040	14.7	28	.58	5.2	2	77
102	GK102	4680.922 1447.429	2	1	171	18	97	29	59	92	.60	251	1	.24	49	25	.017	4.1	23	.43	2.8	2	86
103	GK103	4680.841 1447.158	19	1	179	5	87	27	69	88	.34	49	1	.13	27	28	.017	2	15	.47	3.2	2	60
104	GK104	4681.416 1447.801	9	1	115	8	82	15	106	53	.40	138	1	.13	30	23	.022	3.9	15	.39	2.8	2	58
105	GK105	4681.208 1447.507	51	21	164	11	60	45	54	55	.34	270	1	.13	35	43	.027	3.9	34	.34	4.2	2	83
106	GK106	4681.686 1447.819	31	1	73	42	68	36	54	35	.18	467	4	.13	69	32	.034	9	16	.24	3.0	2	66
107	GK107	4681.664 1447.504	25	3	145	7	65	21	104	56	.35	277	4	.19	22	61	.030	2.5	54	.33	3.2	2	108
108	GK108	4682.064 1447.436	10	1	130	23	93	21	126	68	.40	352	2	.15	42	30	.025	7.5	19	.43	2.6	2	83
109	GK109	4682.355 1447.545	16	2	147	4	94	27	69	74	.39	170	1	.12	40	30	.025	6.0	22	.43	3.2	2	72
110	GK110	4682.889 1447.877	90	6	130	1	92	33	66	75	.18	54	1	.11	27	79	.019	2	21	.37	3.4	2	80
111	GK111	4682.721 1447.567	38	10	73	1	68	52	236	33	.21	180	1	.12	23	65	.036	6.8	23	.48	5.2	2	108
112	GK112	4683.127 1447.635	107	67	170	70	78	61	165	64	.37	2895	1	.21	55	67	.053	8.4	53	.28	2.6	5	161
113	GK113	4685.305 1447.606	78	1	96	2	62	12	46	47	.12	21	1	.07	8	19	.017	10.5	87	.34	2.6	2	25
114	GK114	4685.827 1447.713	31	4	116	6	64	9	67	45	.25	149	1	.25	24	28	.022	4.6	29	.29	2.4	2	80
115	GK115	4685.549 1447.339	37	1	141	8	68	15	93	56	.25	122	1	.08	16	34	.017	7.4	45	.32	2.2	2	53
116	GK116	4685.793 1447.182	38	1	112	3	67	11	78	55	.14	22	1	.21	16	22	.017	4.6	29	.29	2.4	2	22
117	GK117	4679.317 1446.908	14	1	143	12	90	24	85	72	.56	229	1	.17	47	22	.025	3.9	45	.32	2.6	2	73
118	GK118	4679.515 1446.571	8	1	102	4	69	11	71	85	.29	46	1	.10	21	17	.025	6	37	.40	3.0	2	38
119	GK119	4679.877 1446.814	15	1	107	3	62	10	65	43	.36	99	1	.12	26	22	.021	1.0	48	.40	3.0	2	59
120	GK120	4679.267 1446.137	7	1	99	3	62	17	47	39	.25	42	1	.07	19	16	.019	1.0	31	.33	2.2	2	39
121	GK121	4679.818 1446.258	3	1	79	1	69	17	62	29	.23	41	1	.06	20	24	.024	3.7	28	.35	2.2	2	36
122	GK122	4680.252 1446.766	3	5	73	1	78	84	62	56	.18	72	1	.08	21	16	.028	2	18	.38	3.6	2	44
123	GK123	4680.899 1446.948	7	1	121	4	87	18	42	32	.31	72	1	.12	26	15	.028	3.7	25	.39	2.8	2	40
124	GK124	4680.699 1446.478	5	1	123	7	90	27	69	57	.38	98	1	.15	32	18	.021	1.2	25	.41	2.8	2	53
125	GK125	4680.293 1446.246	2	1	138	12	96	23	55	74	.46	199	1	.16	55	20	.023	1.2	41	.39	2.8	2	65
126	GK126	4680.680 1446.243	9	1	172	13	101	33	78	91	.47	250	1	.17	38	30	.022	4.1	32	.43	2.8	2	69
127	GK127	4681.269 1446.710	8	1	167	4	99	17	255	87	.40	56	1	.16	27	22	.024	4.1	23	.48	3.4	2	59
128	GK128	4681.695 1446.802	1	1	168	27	139	106	71	80	.49	575	1	.21	43	33	.027	2	41	.64	4.8	2	82
129	GK129	4681.247 1446.454	32	6	79	4	85	168	88	36	.23	103	7	.09	33	30	.020	1.9	16	.40	3.4	2	50
130	GK130	4681.953 1446.486	15	21	166	13	82	565	65	71	.65	270	7	.23	44	43	.037	5.4	59	.36	3.8	2	58
131	GK131	4681.495 1446.087	10	234	277	14	21	916	50	1.42	.75	247	6	.65	19	54	.028	5.4	188	.20	4.0	2	65
132	GK132	4682.009 1446.725	5	2	166	13	92	29	104	85	.26	460	1	.10	33	30	.025	2	18	.40	4.4	2	60
133	GK133	4682.457 1446.857	31	17	113	8	93	130	79	60	.34	516	1	.11	42	41	.041	2.1	17	.36	3.4	2	47
134	GK134	4682.784 1446.420	24	5	106	2	77	82	96	52	.32	229	1	.13	38	38	.036	2.8	20	.44	3.8	2	50
135	GK135	4682.666 1446.686	40	16	83	18	81	180	209	44	.17	772	3	.11	35	28	.051	2.3	8	.27	2.8	2	39
136	GK136	4682.666 1446.686	65	2	71	2	50	6	141	32	.09	20	1	.05	11	36	.027	4.4	20	.27	2.4	2	26
137	GK137	4683.643 1446.790	23	1	53	4	123	8	158	20	.15	81	1	.07	37	75	.042	2	17	.30	2.4	2	91
138	GK138	4683.329 1446.316	6	1	100	1	16	2	13	.04	.01	8	1	.01	16	3	.017	1.3	3	.13	1.2	4	4
139	GK139	4683.745 1446.358	6	1	12	1	16	2	13	.04	.01	8	1	.01	16	3	.017	1.3	3	.13	1.2	4	4
140	GK140	4684.130 1446.281	29	4	112	4	70	86	183	.24	.47	701	2	.15	37	85	.042	9.5	58	.48	7.4	2	157
141	GK141	4685.604 1446.632	51	18	148	12	68	19	162	.88	.27	298	2	.45	26	38	.026	4.2	140	.30	3.2	2	63
142	GK142	4685.835 1446.731	94	28	167	11	74	32	118	.98	.22	319	1	.46	29	34	.019	4.1	119	.27	3.8	2	53
143	GK143	4685.793 1446.440	152	18	190	2	68	10	83	1.07	.16	15	1	.11	12	15	.020	5.1	16	.58	2.8	2	34
144	GK144	4685.611 1446.206	117	5	137	6	81	15	79	1.13	.22	24	1	.11	20	16	.020	5.1	27	.44	2.8	2	34
145	GK145	4679.194 1445.741	5	2	92	6	66	18	57	.46	.26	47	1	.08	19	15	.019	4.4	33	.40	3.0	2	33
146	GK146	4679.855 1445.812	1	1	140	8	95	22	69	.91	.44	139	1	.14	37	21	.023	2	40	.40	3.0	2	56
147	GK147	4679.499 1445.619	11	1	156	10	100	23	51	.95	.44	231	1	.07	35	22	.018	4.8	24	.31	2.8	2	30
148	GK148	4679.276 1445.215	7	1	78	3	168	12	53	.46	.20	46	1	.12	24	13	.020	3.7	43	.41	2.6	2	41
149	GK149	4679.882 1445.291	3	1	131	2	78	14	84	.86	.35	61	1	.12	38	16	.025	3.6	45	.43	2.6	2	50
150	GK150	4680.161 1445.795	10	1	139	9	85	22	37	.86	.45	155	1	.18	38	16	.025	3.6	45	.43	2.6	2	50

List of Geochemical Analysis ( 4 )

Ser. No.	Sample No.	Location (km)	X-coord	Y-coord	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
					ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm
151	GK151	4680.563	1445.962		1	1	126	8	70	18	20	87	37	91	1	20	29	21	0.24	1.6	34	35	2.4	2	48
152	GK152	4680.495	1445.593		12	1	142	9	74	20	53	1.06	43	175	1	15	35	15	0.26	2.2	39	37	2.4	2	51
153	GK153	4680.210	1445.129		3	1	93	4	61	12	60	56	24	38	1	12	18	15	0.18	4.5	31	29	2.4	2	34
154	GK154	4680.699	1445.326		7	1	127	8	73	17	28	86	41	73	1	13	40	14	0.21	6.5	33	37	2.8	2	61
155	GK155	4681.250	1445.432		1	1	135	1	83	15	61	77	32	44	1	13	20	18	0.22	3.5	23	39	2.6	2	64
156	GK156	4681.583	1445.741		12	1	46	1	88	101	132	32	06	125	4	08	28	17	0.37	1.2	8	26	3.2	2	22
157	GK157	4681.904	1445.954		1	2	21	15	72	8	163	13	03	160	1	06	22	10	0.35	3.3	9	35	3.2	2	27
158	GK158	4681.897	1445.614		17	1	88	15	92	15	278	55	24	352	1	10	37	57	0.50	2.8	11	41	3.2	2	139
159	GK159	4681.706	1445.339		5	1	105	5	85	20	73	74	22	50	1	13	18	20	0.44	1.5	13	41	2.4	2	53
160	GK160	4682.270	1445.957		6	1	94	5	85	20	144	24	27	164	1	25	28	81	0.33	3.1	36	46	6.0	2	94
161	GK161	4682.661	1445.959		1	1	53	1	71	17	144	31	19	36	1	13	21	9	0.40	2.2	11	35	2.6	2	35
162	GK162	4682.539	1445.655		1	1	103	6	81	17	73	73	31	44	1	15	20	17	0.24	2.4	25	38	3.0	2	42
163	GK163	4682.735	1445.162		12	1	77	7	76	10	124	44	32	51	1	16	31	12	0.35	4.4	19	36	2.6	2	60
164	GK164	4682.833	1445.492		7	1	93	1	68	11	109	59	20	33	1	12	16	10	0.32	4.2	13	38	2.6	2	31
165	GK165	4683.351	1445.865		16	1	44	2	55	5	101	22	07	23	1	05	10	10	0.28	3.0	8	28	4.0	2	19
166	GK166	4683.686	1445.792		46	3	84	1	52	17	62	51	08	38	1	09	16	35	0.26	5.1	20	28	2.8	2	42
167	GK167	4682.936	1445.201		5	1	181	14	132	25	59	1.37	50	330	1	26	53	34	0.25	4.9	29	40	2.8	2	67
168	GK168	4683.396	1445.343		5	1	52	1	42	3	91	21	07	35	1	05	8	7	0.18	2.7	7	21	2.0	2	19
169	GK169	4683.764	1445.376		29	1	51	1	55	37	110	22	07	22	1	07	17	92	0.24	6.3	25	39	6.8	2	82
170	GK170	4684.092	1445.820		24	1	49	1	62	5	103	28	06	22	1	07	9	19	0.13	3.2	14	29	4.2	2	15
171	GK171	4684.526	1445.697		1	1	13	1	13	1	12	04	01	5	1	01	2	2	0.17	5.5	3	11	1.4	2	4
172	GK172	4684.095	1445.484		2	1	9	2	28	3	15	10	01	7	1	04	3	4	0.16	2.5	21	35	2.6	2	7
173	GK173	4684.514	1445.201		5	1	13	1	15	1	25	04	01	5	1	01	1	2	0.19	1.8	3	12	1.8	2	2
174	GK174	4685.354	1445.927		724	18	871	4	91	18	125	1.86	23	100	2	30	13	58	0.39	8.0	83	34	2.4	8	28
175	GK175	4685.890	1445.884		122	2	354	3	64	12	53	1.42	37	215	1	47	31	25	0.21	8.7	53	33	2.6	2	57
176	GK176	4685.353	1445.616		16	2	490	4	78	11	61	69	13	25	1	12	16	15	0.19	7.5	21	31	2.6	2	31
177	GK177	4685.194	1445.212		59	1	470	3	74	10	64	69	16	20	1	16	15	18	0.15	6.6	55	36	2.8	4	35
178	GK178	4685.571	1445.354		27	3	676	5	84	16	87	92	16	20	1	20	25	18	0.19	2.9	29	34	2.6	3	39
179	GK179	4679.269	1444.829		16	1	781	16	104	23	60	1.20	63	623	1	53	47	15	0.22	8.1	70	45	2.6	2	52
180	GK180	4679.895	1444.895		12	1	159	16	70	17	56	81	55	804	1	43	35	15	0.20	6.1	56	40	2.2	2	67
181	GK181	4679.200	1444.318		6	1	81	4	54	16	47	40	22	35	1	10	17	9	0.15	3.2	24	31	2.6	2	31
182	GK182	4679.541	1444.261		15	8	104	5	77	52	26	62	38	143	1	13	31	17	0.29	4.8	25	30	2.4	2	49
183	GK183	4680.861	1444.289		8	1	108	10	63	14	66	70	38	157	1	08	22	18	0.21	3.4	33	36	2.4	2	38
185	GK185	4680.154	1444.678		1	1	136	10	62	13	52	70	26	64	1	20	29	13	0.22	9	38	37	2.4	2	41
186	GK186	4680.641	1444.910		1	1	103	10	74	20	59	94	46	216	1	14	34	14	0.24	3.4	33	36	2.4	2	38
187	GK187	4680.457	1444.330		1	1	103	2	78	23	63	64	21	46	1	09	20	12	0.20	3.7	39	40	3.0	2	59
188	GK188	4680.813	1444.438		4	1	105	13	1540	14	58	67	26	209	1	10	249	34	0.27	10.9	31	30	2.6	2	77
189	GK189	4680.310	1444.061		4	1	130	9	91	18	71	87	32	142	1	23	47	18	0.26	9	41	35	2.6	2	57
190	GK190	4681.226	1444.801		9	1	101	15	65	20	90	74	26	51	1	12	20	14	0.29	9	14	36	2.6	2	57
191	GK191	4681.803	1444.973		1	1	126	5	85	13	79	60	34	48	1	12	23	16	0.18	3	18	34	2.6	2	58
192	GK192	4681.287	1444.130		1	1	100	5	82	17	91	57	28	73	1	13	28	25	0.21	2.6	33	40	3.0	2	44
193	GK193	4681.849	1444.231		6	1	775	5	173	16	68	77	30	40	1	11	32	15	0.20	2.7	31	36	2.6	2	49
195	GK195	4682.185	1444.384		24	1	642	22	77	19	80	92	27	57	1	27	37	22	0.27	2.5	34	39	2.4	2	60
196	GK196	4682.547	1444.708		16	1	134	12	71	16	53	1.11	59	725	1	80	45	18	0.20	3.8	62	38	2.4	2	82
197	GK197	4682.459	1444.207		6	1	55	9	70	10	31	51	56	354	1	75	39	9	0.32	5.3	72	33	2.0	2	62
198	GK198	4682.854	1444.155		1	1	93	3	70	20	65	37	31	193	1	19	20	34	0.19	4.4	12	41	6.0	2	61
199	GK199	4683.140	1444.173		2	1	101	3	70	10	67	58	20	65	1	19	20	11	0.22	4.4	22	29	2.6	2	28
200	GK200	4683.397	1444.437		8	1	101	11	54	10	65	58	27	393	1	19	25	8	0.19	3.8	24	30	2.4	2	45



List of Geochemical Analysis ( 5)

Ser. No.	Sample No.	X-coord	Y-coord	Location (km)	As ppm	Au pbb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mh ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S ppm	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm	
201	GK201	4683.590	1444.831		59	3	931	3	65	38	76	.38	.11	53	1	.31	20	70	.025	8.8	45	.42	5.8	2	90	
202	GK202	4683.825	1444.704		14	1	81	1	71	5	235	.51	.14	14	1	.09	7	17	.019	4.6	22	.30	2.6	2	19	
203	GK203	4683.626	1444.280		8	1	82	1	72	7	148	.53	.18	16	2	.09	8	10	.025	9	30	.32	3.0	2	17	
204	GK204	4684.131	1444.903		20	1	37	1	49	3	65	.11	.01	9	1	.04	7	9	.015	1.9	19	.30	2.8	2	10	
205	GK205	4684.330	1444.711		10	1	15	1	38	1	25	.04	.01	5	1	.04	2	2	.013	2.1	7	.17	2.6	2	7	
206	GK206	4684.081	1444.072		7	1	129	3	72	9	67	.82	.23	19	1	.16	19	14	.018	3.2	41	.38	2.2	2	23	
207	GK207	4684.387	1444.120		6	1	18	5	35	2	10	.05	.19	6	1	.02	6	2	.016	2.1	12	.22	2.6	2	5	
208	GK208	4684.868	1444.272		16	1	100	5	65	9	20	.55	.20	31	1	.19	17	13	.024	1.4	27	.37	2.8	3	30	
209	GK209	4685.250	1444.520		72	6	108	4	45	12	60	1.36	.07	27	1	.23	16	11	.024	8.1	43	.36	2.6	5	27	
210	GK210	4685.442	1444.829		11	1	54	4	55	3	52	.26	.07	11	1	.05	8	3	.039	4.0	13	.24	2.4	2	20	
211	GK211	4685.791	1444.567		24	3	76	1	45	9	37	.41	.11	27	1	.22	20	18	.021	6.7	18	.26	2.2	2	21	
212	GK212	4685.283	1444.154		19	1	107	7	62	11	60	.82	.20	58	1	.22	18	18	.018	5.6	33	.33	2.4	2	37	
213	GK213	4679.223	1443.892		4	1	91	4	52	10	53	.47	.23	101	1	.11	18	10	.018	6.0	30	.33	2.2	2	30	
214	GK214	4679.507	1443.815		1	1	54	2	59	5	20	.51	.17	48	1	.10	15	13	.019	2.2	28	.30	2.0	2	27	
215	GK215	4679.796	1443.553		1	1	49	2	52	15	63	.75	.34	48	1	.19	25	14	.023	2.0	40	.41	2.8	2	38	
216	GK216	4679.299	1443.316		6	1	114	6	74	4	108	.19	.12	23	1	.08	12	15	.022	1.3	25	.25	3.0	2	18	
217	GK217	4679.759	1443.233		1	1	40	5	60	14	33	.48	.30	128	1	.19	23	16	.024	3.3	34	.33	2.4	2	47	
218	GK218	4680.068	1443.837		8	1	111	5	76	15	23	.80	.37	68	1	.13	25	11	.017	3.7	41	.51	2.0	2	46	
219	GK219	4680.393	1443.654		2	1	153	4	88	19	63	1.29	.57	102	1	.18	33	13	.027	8	45	.44	2.8	2	59	
220	GK220	4680.620	1443.868		1	1	42	1	88	4	66	.20	.14	16	1	.09	25	12	.022	2.0	25	.30	2.2	2	26	
221	GK221	4680.858	1443.717		1	1	75	5	61	6	101	.45	.22	51	1	.10	20	15	.018	1.4	28	.28	2.0	2	27	
222	GK222	4680.265	1443.300		1	1	59	3	54	5	15	.22	.17	22	1	.08	13	11	.017	1.3	29	.27	2.0	2	24	
223	GK223	4680.721	1443.231		1	1	178	17	75	19	42	.96	.64	705	1	.66	40	23	.021	1.9	78	.43	2.4	2	59	
224	GK224	4681.202	1443.288		1	1	147	8	100	26	63	1.01	.60	124	1	.19	47	17	.019	5.6	44	.43	2.4	2	65	
225	GK225	4681.590	1443.647		3	1	114	3	71	13	52	.70	.32	98	1	.18	23	18	.022	2.2	35	.33	2.4	2	33	
226	GK226	4681.627	1443.396		1	2	126	5	78	21	65	.88	.42	106	1	.25	31	24	.033	4.0	42	.38	2.4	2	49	
227	GK227	4681.202	1443.288		1	1	108	3	78	14	35	.64	.33	51	1	.13	20	17	.027	5	38	.38	2.4	2	34	
228	GK228	4681.346	1443.077		1	1	81	3	71	10	44	.40	.23	28	1	.12	20	16	.020	6.5	35	.38	2.2	2	32	
229	GK229	4681.966	1443.123		3	1	115	7	83	18	32	.73	.41	132	1	.22	36	21	.022	1.9	38	.35	2.6	2	55	
230	GK230	4682.290	1443.552		1	2	97	10	76	14	60	.52	.38	224	1	.18	32	16	.024	3.3	38	.40	2.4	2	52	
231	GK231	4682.646	1443.635		1	1	136	8	72	11	83	.49	.37	63	1	.28	43	22	.018	5.3	45	.46	3.2	2	59	
232	GK232	4682.813	1443.874		1	1	108	3	83	13	54	.65	.35	45	1	.12	29	19	.021	2.8	35	.37	2.6	2	42	
233	GK233	4682.809	1443.278		1	1	99	17	85	17	53	.88	.15	34	1	.06	20	15	.025	2.8	28	.24	2.0	2	23	
234	GK234	4682.417	1443.055		1	1	40	3	79	7	88	.18	.15	34	1	.06	20	15	.025	1.9	19	.22	1.6	2	20	
235	GK235	4683.104	1443.166		1	1	51	1	52	6	85	.23	.11	75	1	.04	16	8	.024	2.3	19	.19	1.6	2	14	
236	GK236	4683.482	1443.607		1	1	45	1	44	3	86	.16	.08	22	1	.05	8	15	.014	1.2	30	.26	1.8	2	9	
237	GK237	4683.922	1443.607		1	1	44	3	50	3	86	.20	.10	11	1	.04	16	12	.020	1.5	26	.24	2.0	2	31	
238	GK238	4683.654	1443.157		1	1	45	3	39	4	61	.21	.12	12	1	.04	15	19	.019	2.7	41	.33	3.6	2	45	
239	GK239	4684.394	1443.719		9	1	54	1	70	9	66	.28	.16	23	1	.04	18	10	.019	2.7	35	.27	2.0	2	28	
240	GK240	4684.181	1443.309		1	1	62	3	85	7	66	.83	.32	45	1	.10	25	21	.023	4.5	41	.39	2.4	2	37	
241	GK241	4684.733	1443.611		1	1	125	3	69	16	99	.17	.15	13	1	.03	18	11	.027	5.3	32	.32	2.4	2	32	
242	GK242	4684.605	1443.176		7	1	117	2	86	12	56	.66	.24	21	1	.13	19	15	.019	5.3	45	.43	3.0	2	28	
243	GK243	4685.205	1443.708		7	1	78	2	71	6	55	.32	.15	16	1	.08	19	9	.016	3.3	31	.30	2.2	2	26	
244	GK244	4685.438	1443.462		5	1	83	3	62	6	20	.45	.13	33	1	.14	30	16	.023	5.4	33	.27	2.0	2	32	
245	GK245	4685.731	1443.800		65	3	83	3	69	7	41	.41	.22	13	1	.11	30	16	.017	6.9	34	.30	2.4	2	32	
246	GK246	4685.788	1443.189		8	1	86	3	69	7	41	.41	.22	33	1	.14	30	16	.017	6.9	34	.30	2.4	2	32	
247	GK247	4679.088	1442.551		1	4	136	12	106	17	49	.77	.57	389	1	.42	46	18	.019	6.1	50	.38	2.2	2	59	
248	GK248	4679.400	1442.704		1	1	135	8	66	12	11	.52	.34	276	1	.13	28	17	.019	3.0	52	.38	2.6	2	46	
249	GK249	4679.171	1442.154		1	1	88	5	66	12	51	.40	.26	48	1	.06	20	22	.024	4.2	30	.36	2.6	2	41	
250	GK250																									

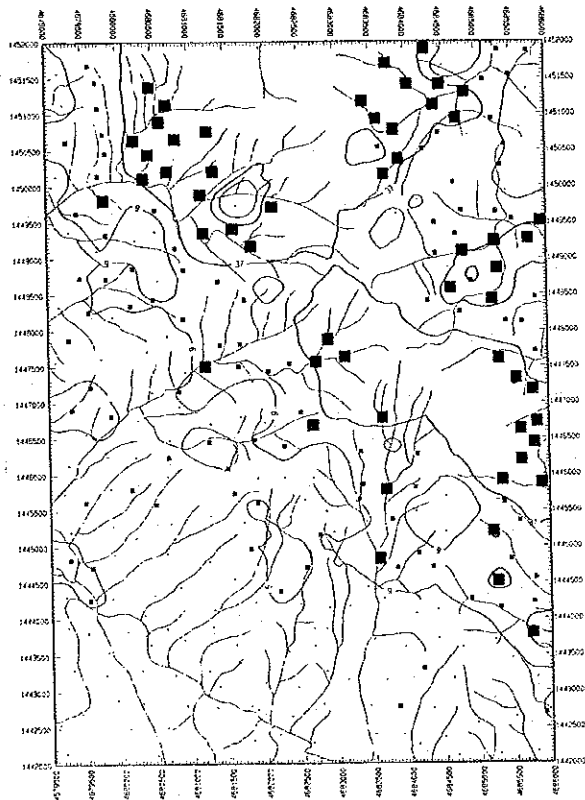
List of Geochemical Analysis ( 6 )

Ser. No.	Sample No.	Location (km)	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mb	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
		X-coord Y-coord	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
251	GK251	4679.912 1442.891	3	1	133	7	88	18	52	.79	.47	81	1	.15	39	21	.023	4.3	46	.44	2.6	2	57
252	GK252	4680.089 1442.494	1	1	57	3	76	6	43	.22	.16	19	1	.07	17	12	.019	2.4	26	.28	2.4	2	27
253	GK253	4680.272 1442.849	1	1	101	2	73	13	56	.54	.31	54	1	.08	24	16	.020	2.4	34	.36	2.4	2	37
254	GK254	4680.468 1442.126	1	1	172	9	92	27	60	1.22	.71	192	1	.18	56	21	.020	1.6	51	.46	3.0	2	79
255	GK255	4680.610 1442.506	1	1	128	8	74	19	21	.63	.49	118	1	.16	42	18	.021	5.7	40	.42	2.2	2	60
256	GK256	4680.898 1442.809	1	1	175	15	102	23	45	.89	.71	352	1	.49	56	19	.013	2.7	64	.40	2.2	2	72
257	GK257	4681.304 1442.782	1	1	143	17	155	22	33	.82	.66	406	1	.48	74	24	.013	6.2	55	.38	2.8	2	69
258	GK258	4681.859 1442.753	1	3	47	4	56	4	64	.17	.19	39	1	.09	29	15	.018	3.5	32	.32	2.4	2	29
259	GK259	4681.464 1442.079	1	2	102	1	82	10	45	.28	.14	30	1	.03	32	15	.019	3.8	24	.28	2.0	2	28
260	GK260	4681.806 1442.328	2	2	63	1	68	12	84	.53	.33	92	1	.10	27	22	.021	3.4	35	.37	2.4	2	50
261	GK261	4682.152 1442.406	8	1	73	2	62	9	63	.27	.27	35	1	.07	28	21	.018	3.1	31	.35	2.6	2	34
262	GK262	4682.324 1442.655	1	1	81	4	51	11	82	.36	.24	178	1	.06	27	15	.022	4.7	32	.37	2.8	2	49
263	GK263	4682.755 1442.828	1	1	81	6	75	12	89	.34	.33	133	1	.13	33	9	.024	2.0	36	.36	2.6	2	21
264	GK264	4682.612 1442.292	1	1	67	1	127	12	52	.29	.18	22	1	.05	33	20	.015	2.8	30	.36	2.6	2	32
265	GK265	4683.416 1451.175	196	5	129	6	139	19	112	.64	.13	74	1	.08	43	32	.020	4.5	17	.33	3.0	2	88
266	GK266	4683.754 1451.704	232	26	176	11	83	49	106	.87	.23	357	1	.09	29	75	.031	10.3	29	.40	3.6	14	88
267	GK267	4683.417 1442.803	1	1	56	1	59	5	37	.25	.10	20	1	.04	24	8	.015	2.2	27	.22	2.0	2	18
268	GK268	4683.489 1442.407	7	1	91	2	47	14	50	.37	.15	40	1	.06	24	22	.018	3.0	46	.30	3.6	2	31
269	GK269	4683.832 1442.791	15	1	35	1	49	4	58	.12	.08	15	1	.02	16	13	.014	5.4	37	.28	2.4	3	15
270	GK270	4683.884 1442.404	1	1	86	3	71	8	72	.43	.25	20	1	.05	18	22	.021	4.8	39	.41	2.4	2	27
271	GK271	4684.313 1442.757	1	1	31	1	61	3	78	.11	.07	15	1	.04	18	9	.019	1.5	18	.23	2.2	5	21
272	GK272	4684.104 1442.268	1	1	63	3	56	4	31	.21	.09	14	1	.03	14	14	.022	3.6	25	.24	1.8	2	16
273	GK273	4684.465 1442.361	1	1	72	3	87	6	62	.29	.15	35	1	.04	27	11	.020	3.6	29	.31	2.0	2	26
274	GK274	4684.649 1442.109	1	1	62	1	46	5	61	.26	.13	23	1	.03	17	9	.020	2.7	25	.29	2.0	2	22
275	GK275	4684.932 1442.553	5	1	127	9	69	18	64	.76	.24	176	1	.21	33	15	.019	4.9	51	.36	2.6	2	41
276	GK276	4685.180 1442.902	4	1	124	13	62	16	78	.68	.31	512	1	.32	36	18	.020	6.6	50	.37	2.6	2	49
277	GK277	4685.483 1442.650	10	1	99	4	77	8	50	.48	.22	41	1	.26	30	12	.017	5.8	42	.32	2.2	2	35
278	GK278	4685.904 1442.702	1	1	100	3	64	9	46	.48	.23	34	1	.33	25	15	.020	5.8	43	.32	2.2	2	41
279	GK279	4685.254 1442.120	1	1	61	2	56	5	48	.21	.09	22	1	.04	14	8	.016	4.0	28	.28	2.4	2	33
280	GK280	4685.786 1442.162	1	1	84	3	104	10	96	.45	.19	23	1	.08	31	16	.016	3.0	37	.35	2.2	2	21
281	GK281	4681.270 1450.763	73	2	126	1	76	36	25	.64	.16	27	1	.05	19	23	.016	8.1	13	.35	2.4	3	9
282	GK282	4681.546 1450.207	490	40	67	1	107	57	90	.40	.12	18	5	.05	12	61	.016	34.1	9	.23	2.6	6	9
283	GK283	4681.653 1449.739	1	6	72	27	40	1999	52	.37	.87	112	6	.10	33	38	.015	8.5	12	.33	5.6	3	75

## Appendix 7

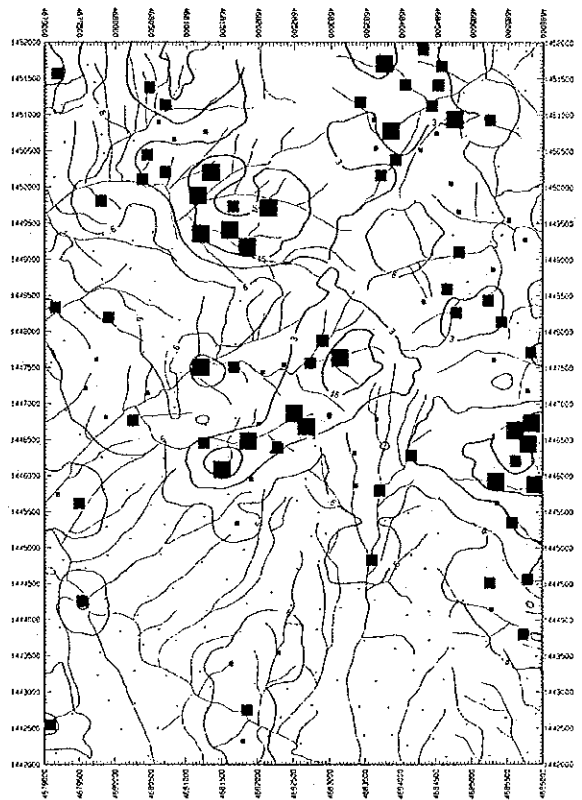
Distribution map of elements in S. Imbak Sub-area (Gunong Kuli)





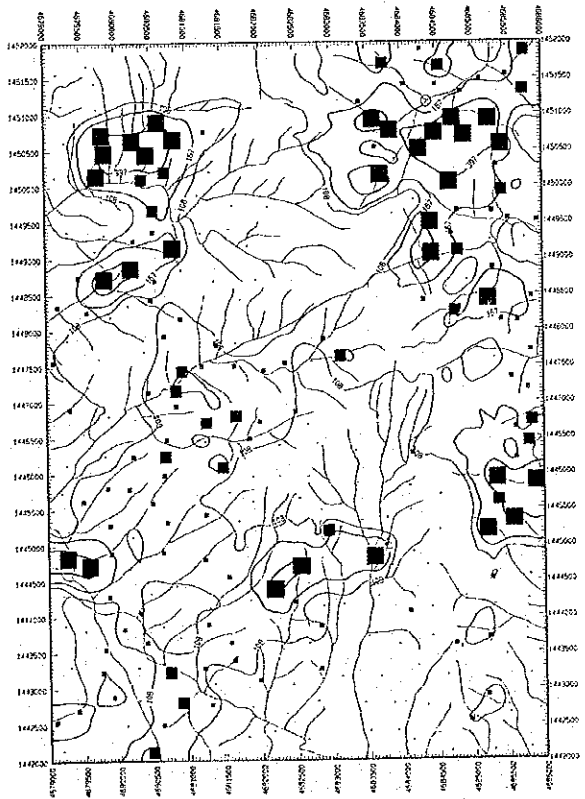
As

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9,000



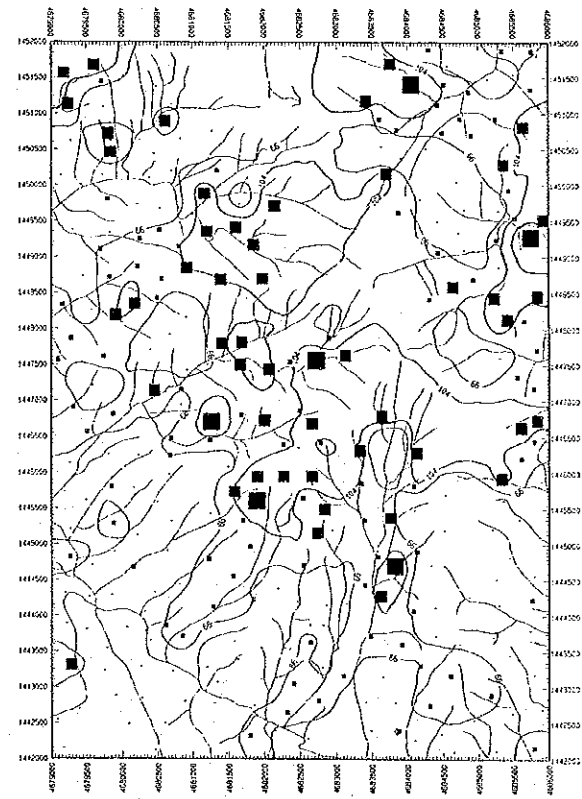
Au

15,000  
3,000  
620



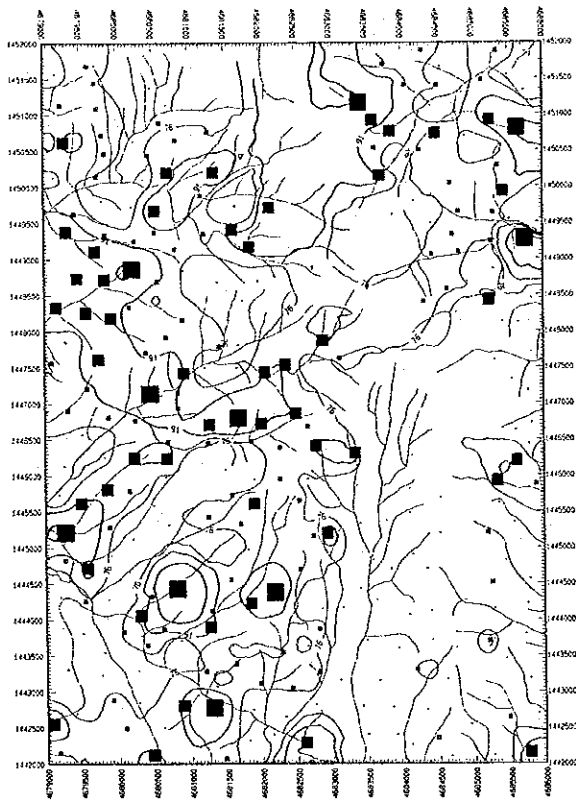
Ba

327,000  
167,000  
108,000

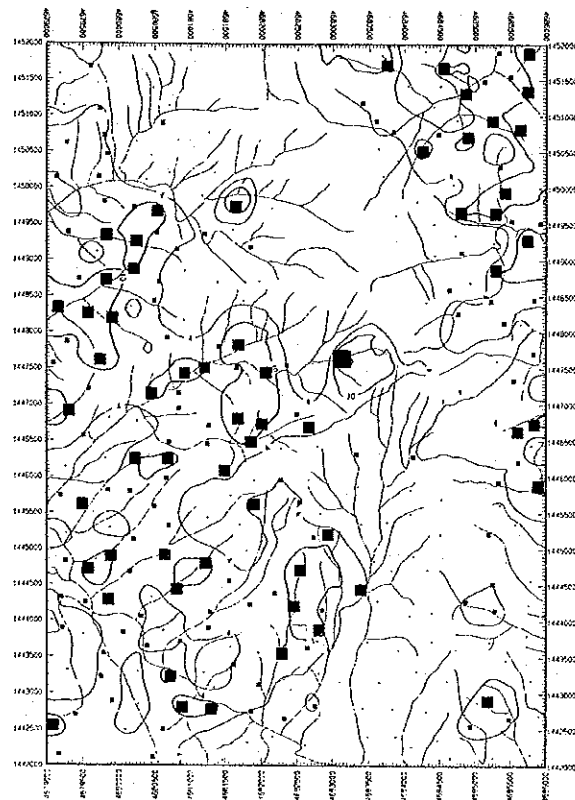
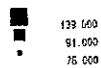


Co

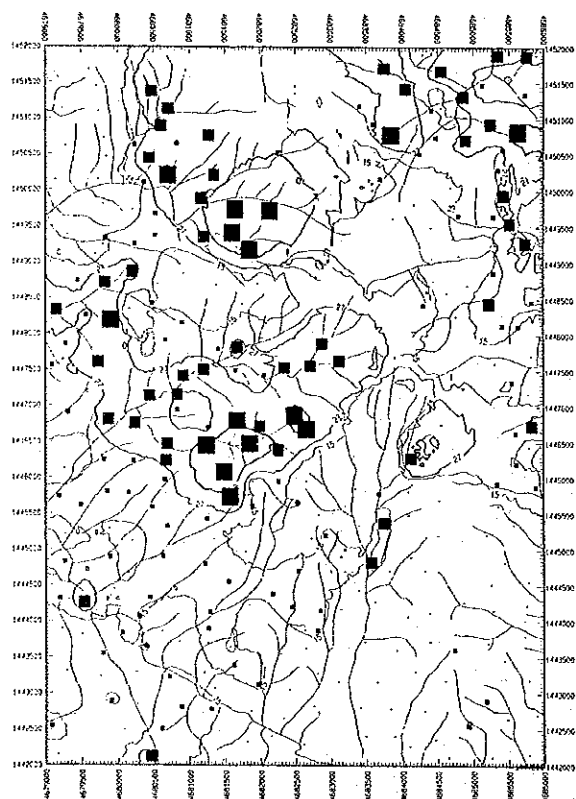
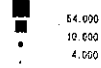
223,000  
104,000  
15,000



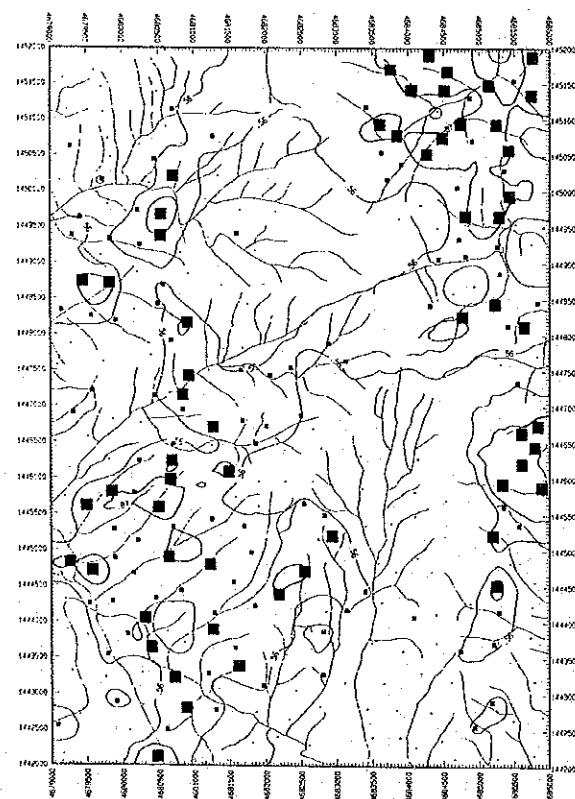
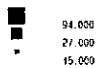
Cr



Cu

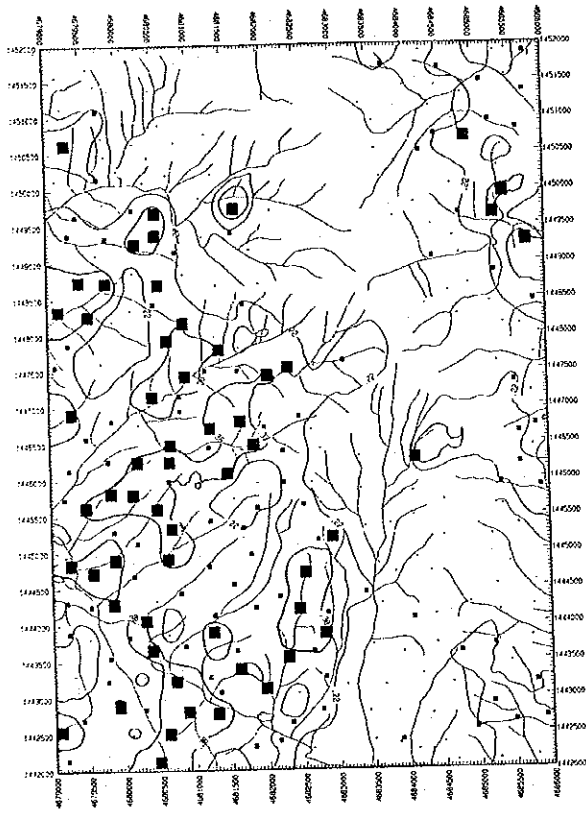


Hg

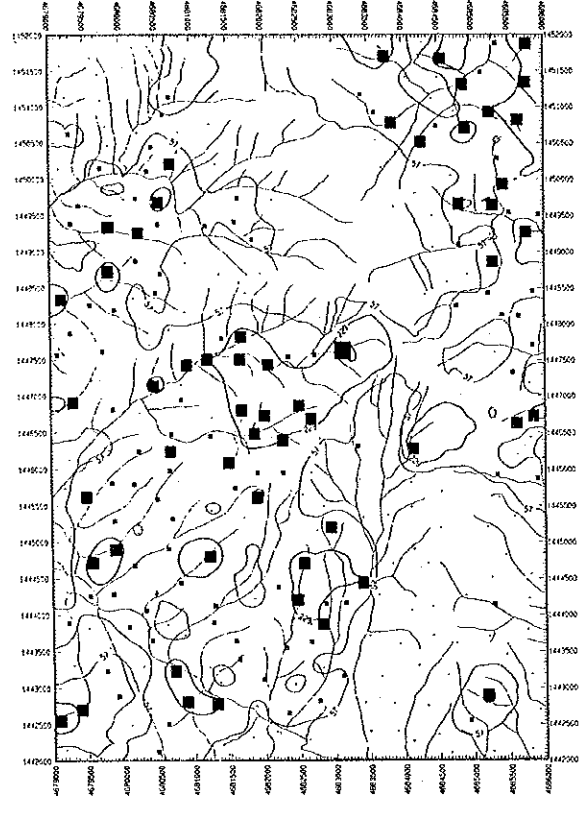


K

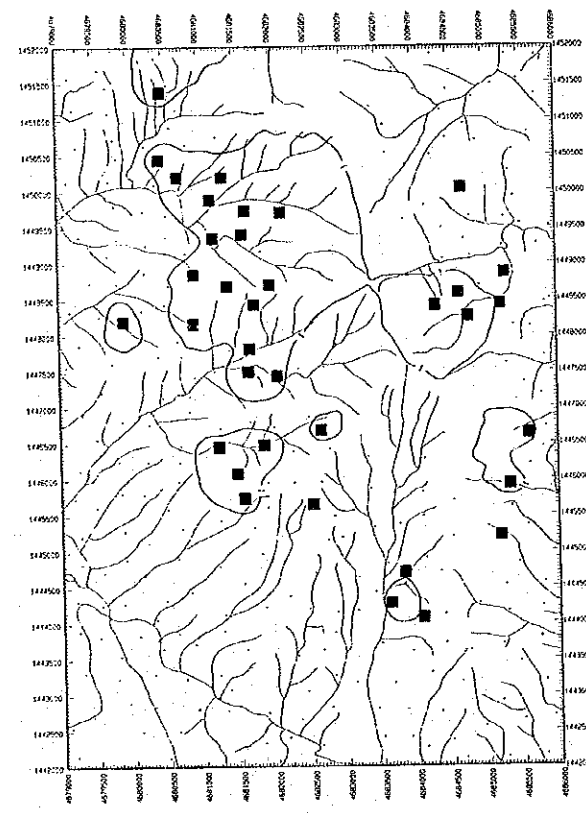




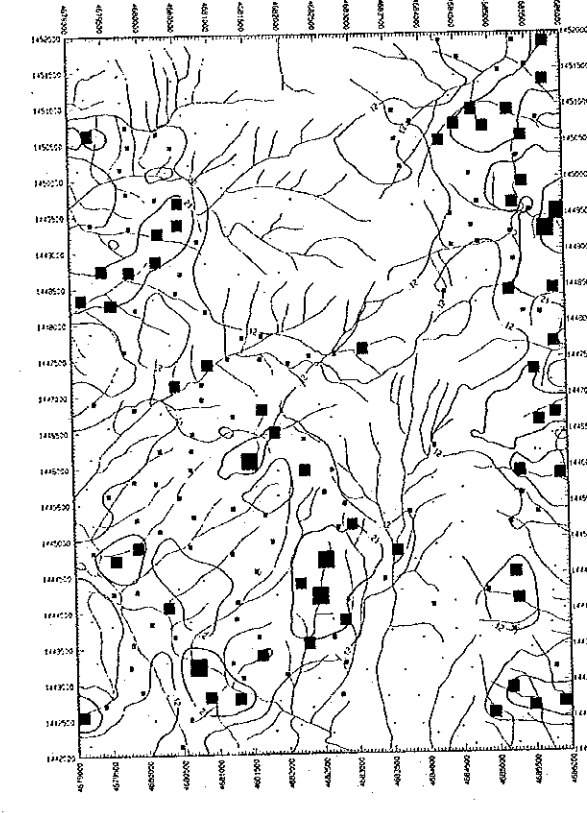
Mg ■ 380  
● 220



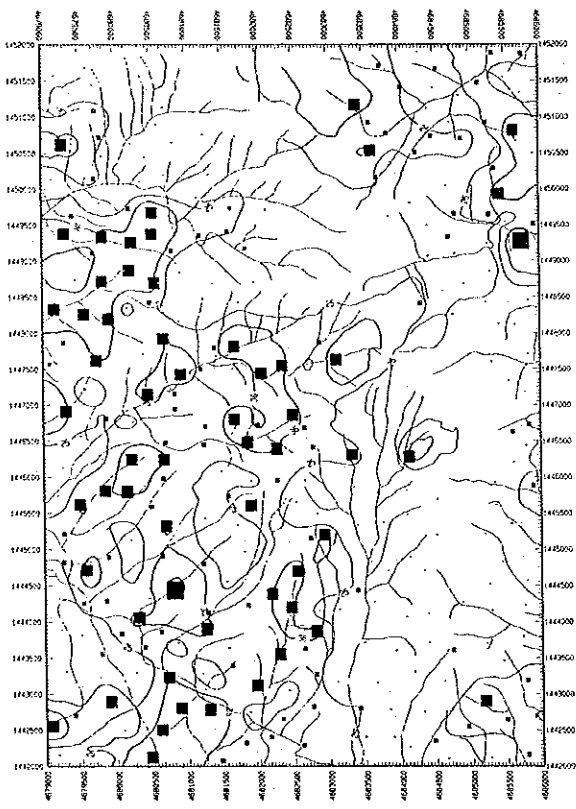
Mn ■ 238,000  
● 209,000  
■ 51,000



Mo ■ 1,000

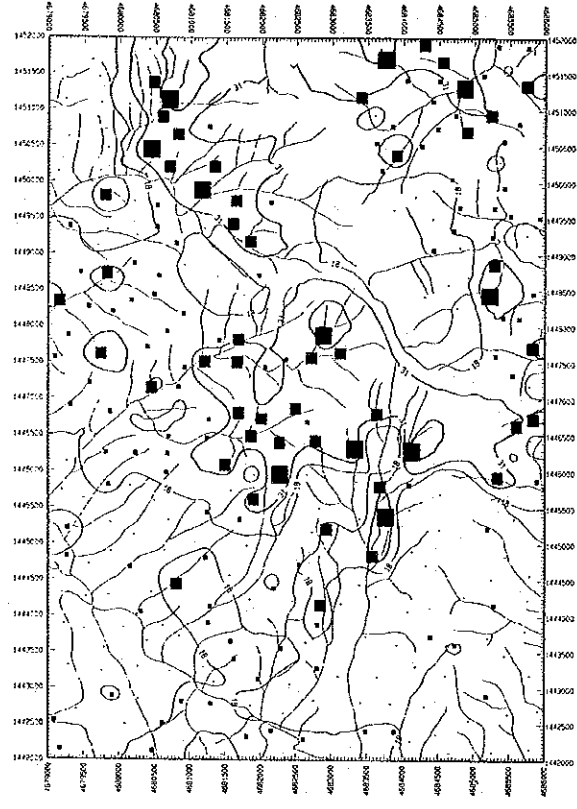


Na ■ 668  
● 210  
■ 120



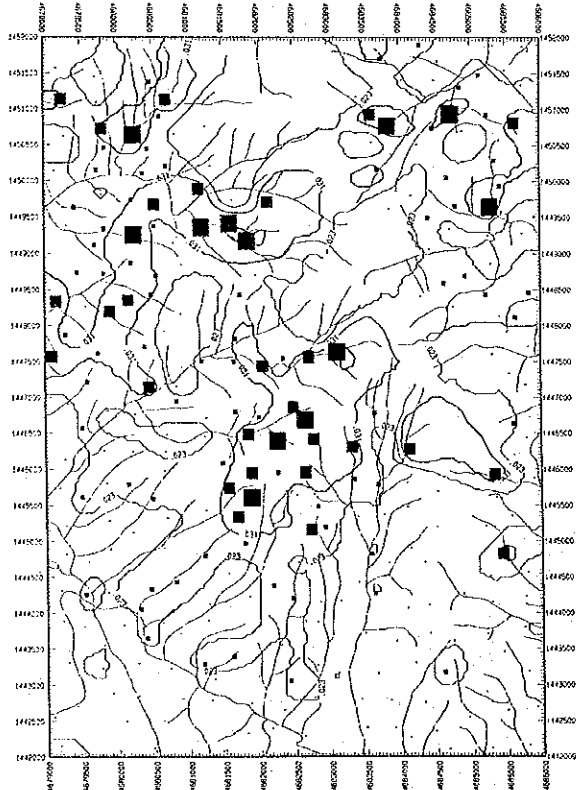
Ni

89,000  
36,000  
25,900



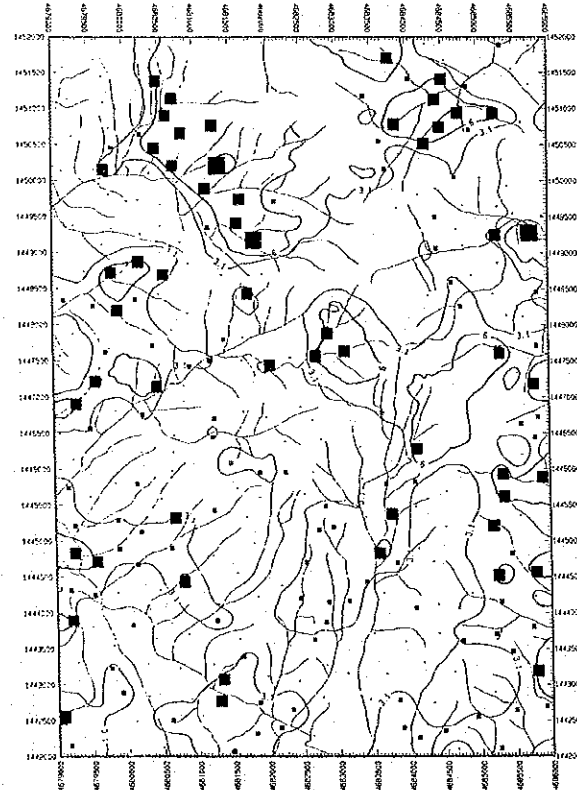
Pb

72,000  
31,600  
18,000



S

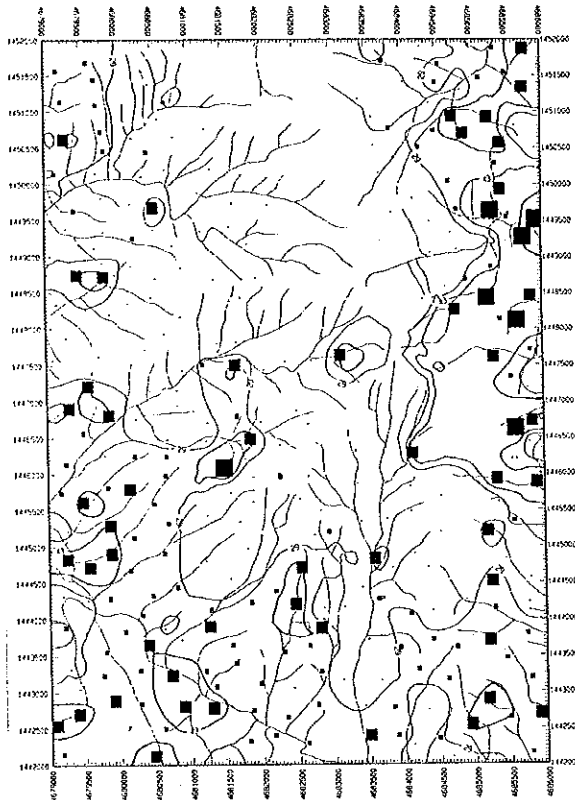
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.031  
.023



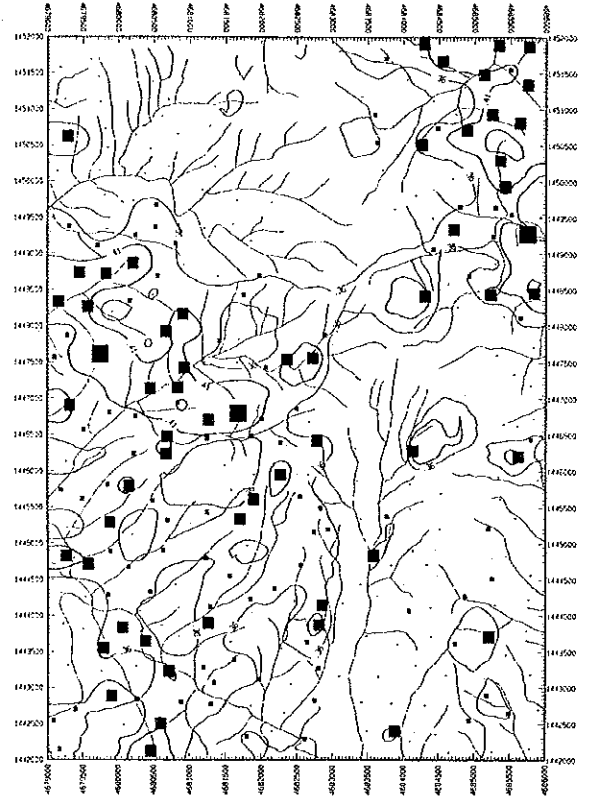
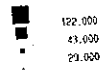
Sb

28,800  
6,000  
3,100

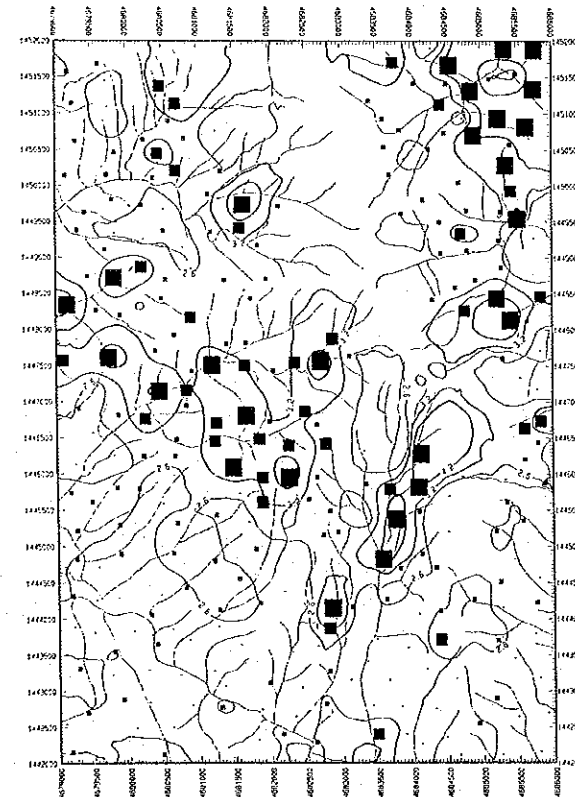




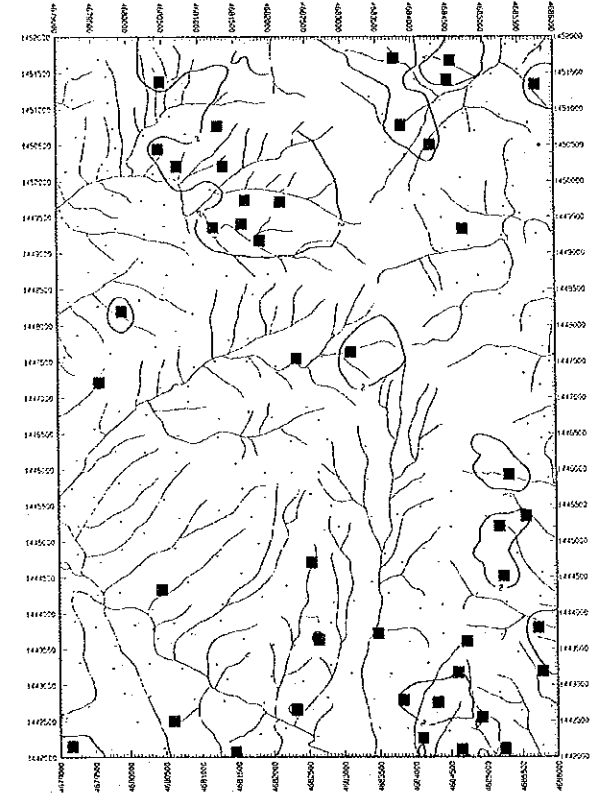
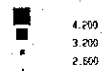
Sr



Ti

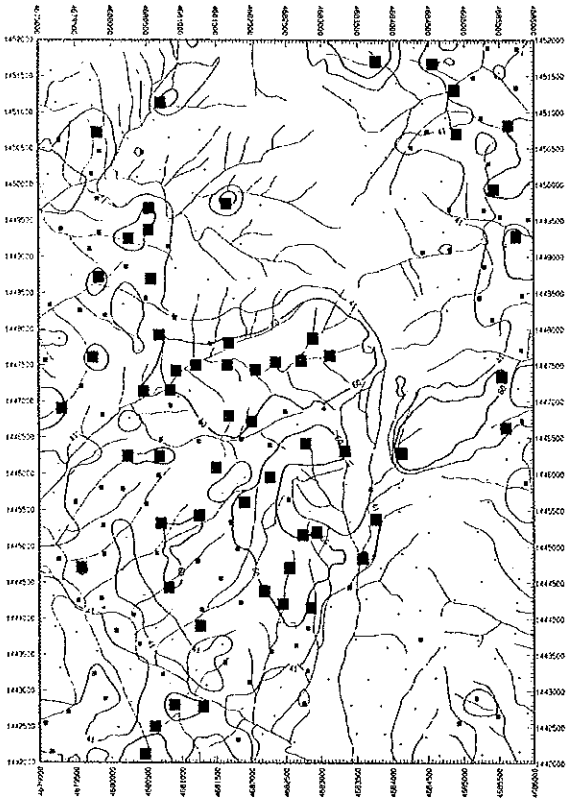


U



W





Zn

■ 55,000  
 ■ 41,000

## Appendix 8

Pseudo-section of apparent resistivity in Pinanduan Sub-area









## Appendix 9

Pseudo-section of chargeability in Pinanduan Sub-area







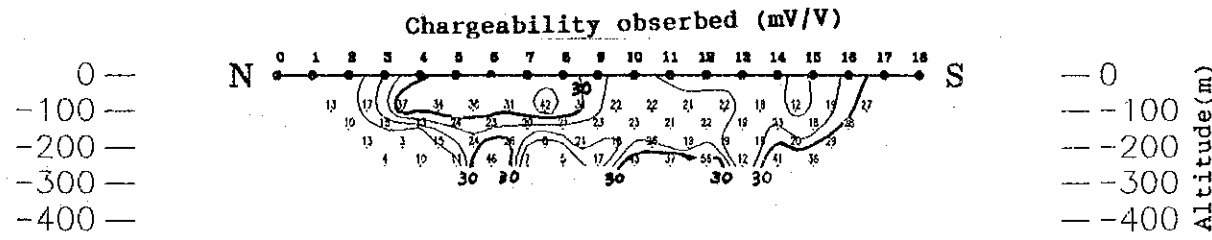
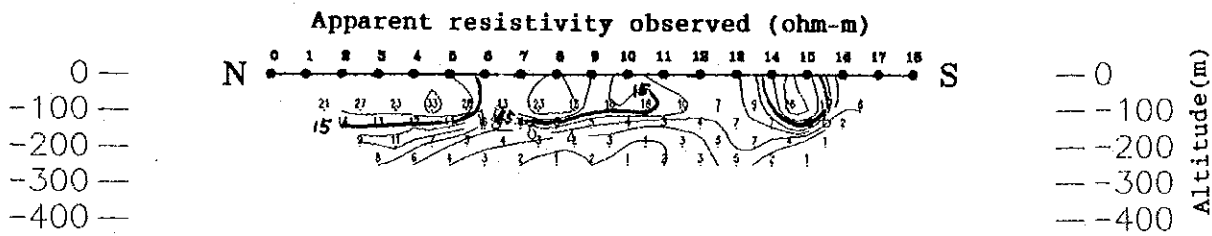
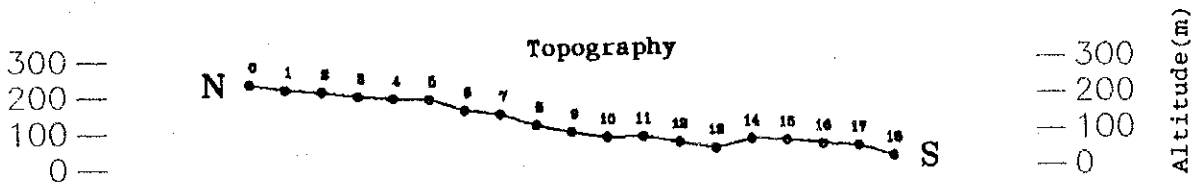




## Appendix 10

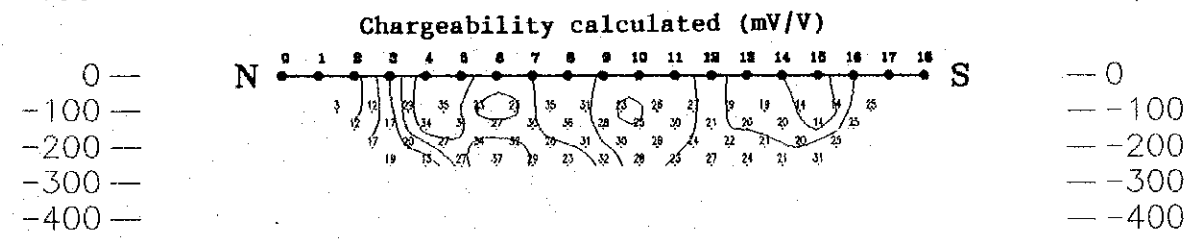
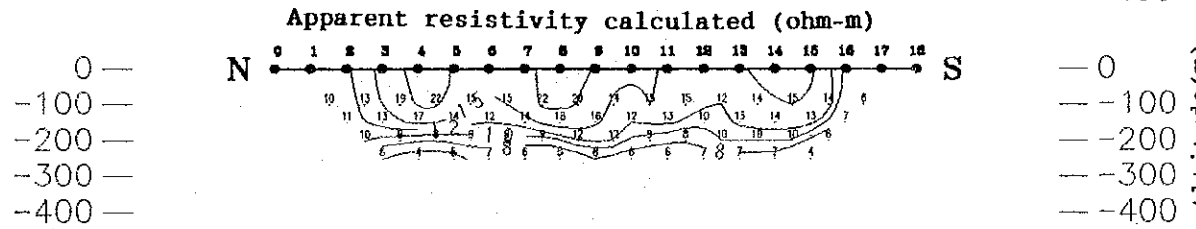
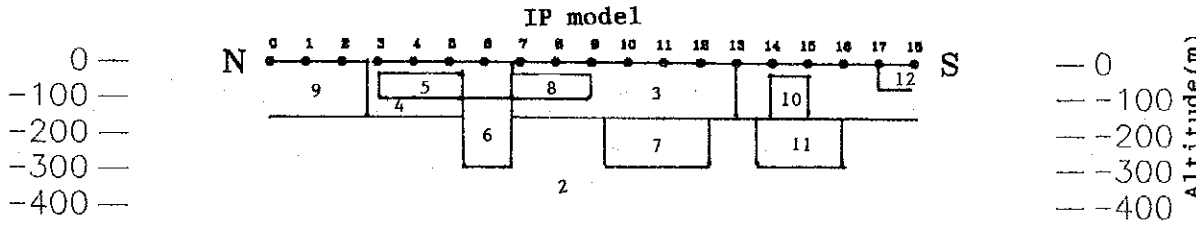
IP model simulation in Pinanduan Sub-area



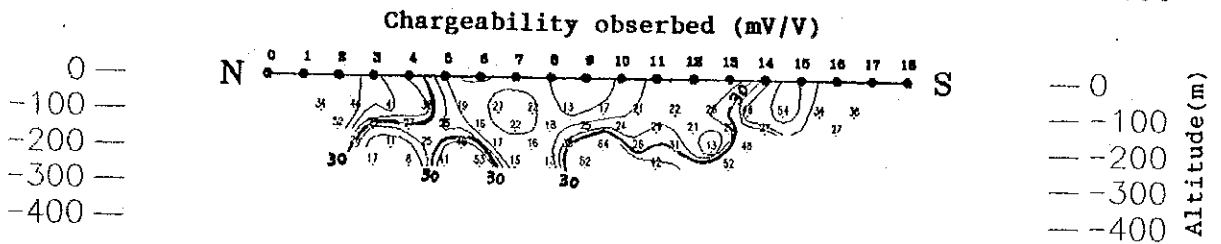
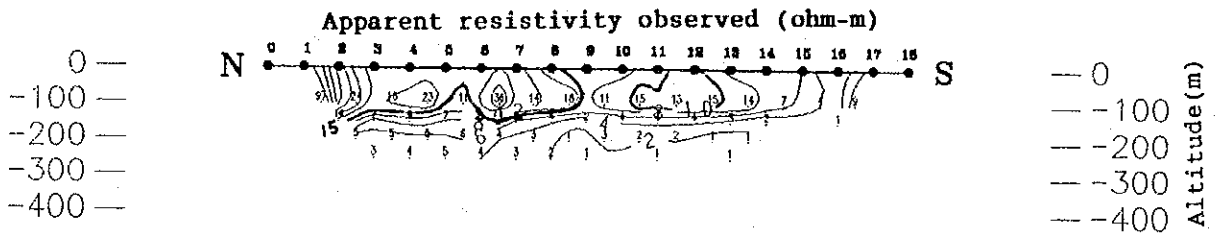
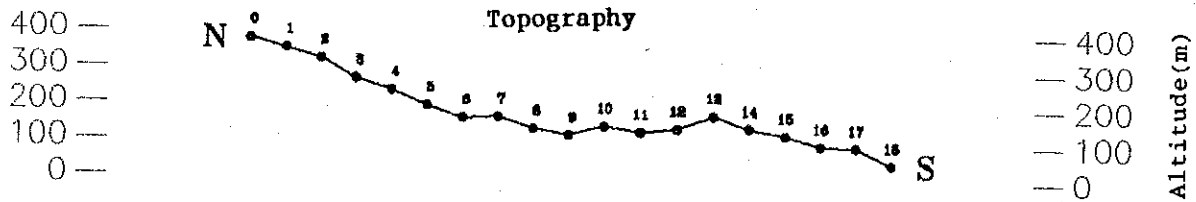


LINE-pam0201 JOB:001

CODE NUMBER :	1	2	3	4	5	6	7	8	9	10
RESIS(ohm-m) :	11.0	1.0	15.0	15.0	30.0	2.0	2.0	30.0	11.0	40.0
CHARGE(mV/V) :	15.0	15.0	20.0	20.0	50.0	15.0	60.0	50.0	5.0	15.0
CODE NUMBER :	11	12	13	14	15	16	17	18	19	
RESIS(ohm-m) :	2.0	4.0	400.0	500.0	100.0	40.0	40.0	100.0	30.0	
CHARGE(mV/V) :	60.0	30.0	25.0	40.0	40.0	40.0	40.0	15.0	30.0	

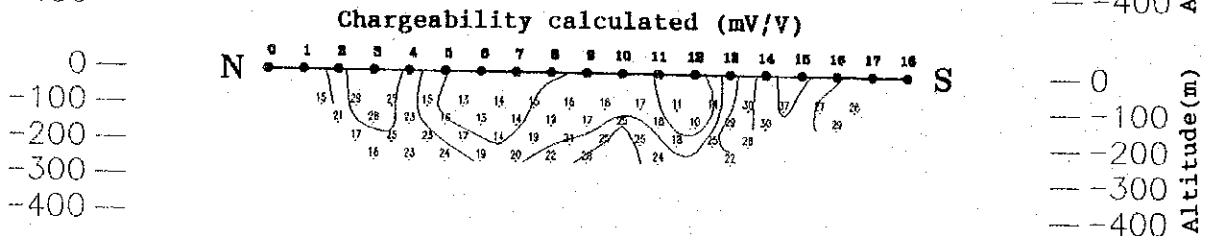
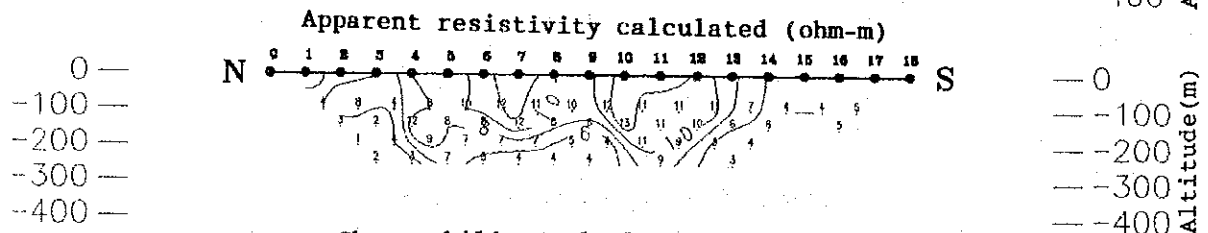
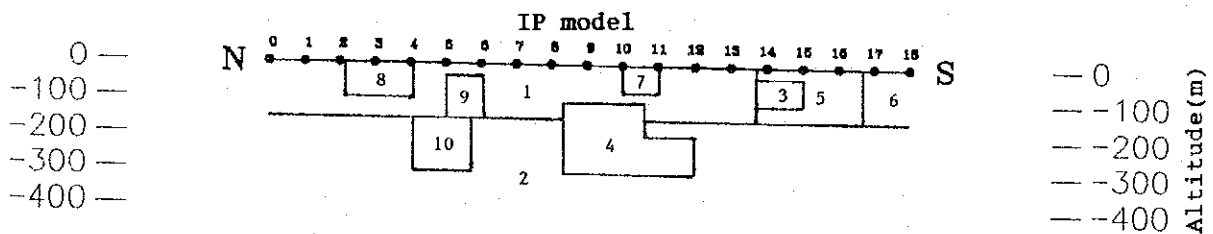


Results of IP model simulation of Line-A in Pinanduan Sub-area



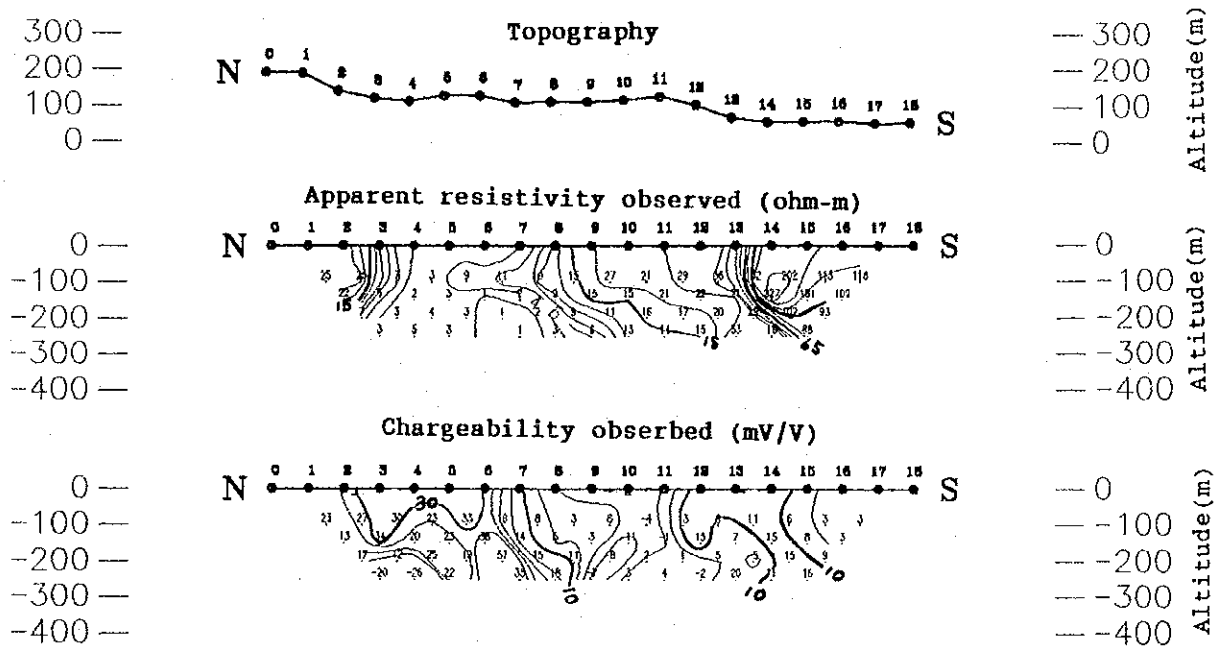
LINE-pbm0101 JOB:001

CODE NUMBER :	1	2	3	4	5	6	7	8	9	10
RESIS(ohm-m):	11.0	1.0	8.0	20.0	4.0	9.0	11.0	15.0	15.0	1.0
CHARGE(mV/V):	15.0	15.0	60.0	60.0	25.0	30.0	10.0	45.0	10.0	60.0



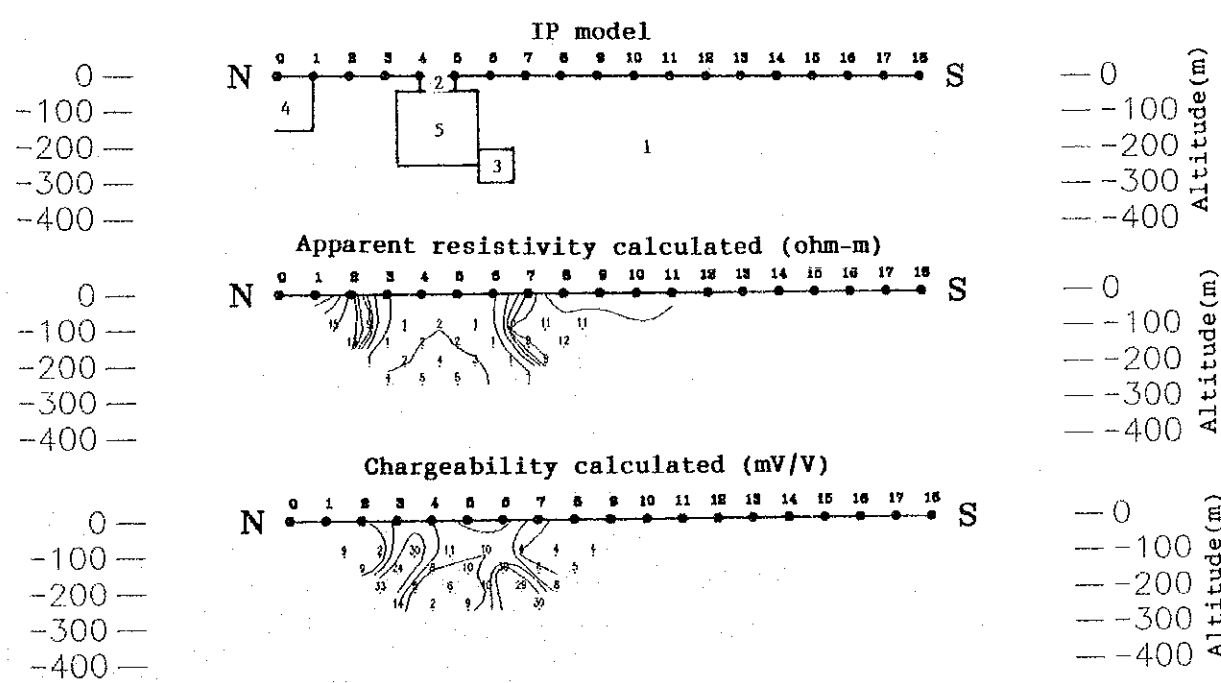
Results of IP model simulation of Line-B in Pinanduan Sub-area



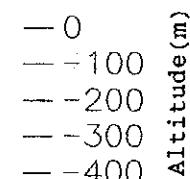
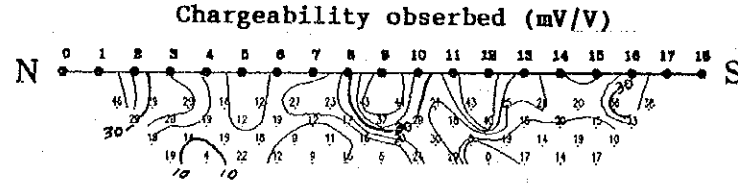
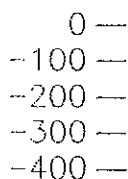
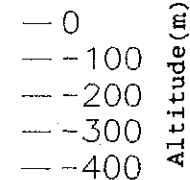
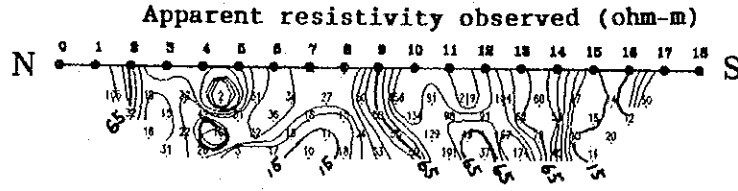
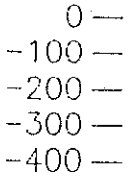
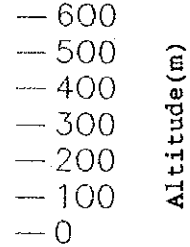
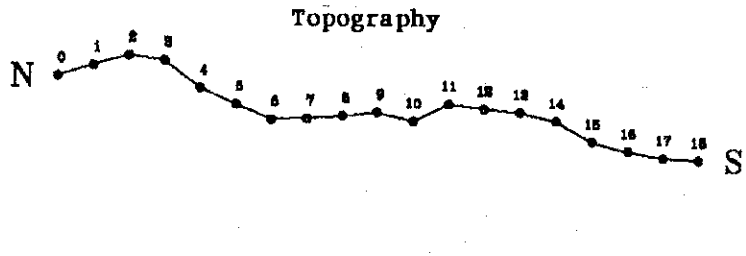
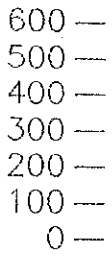


LINE-pcm0101 JOB:001

CODE NUMBER :	1	2	3	4	5
RESIS(ohm-m):	11.0	1.0	2.0	20.0	1.0
CHARGE(mV/V):	4.0	50.0	60.0	20.0	10.0

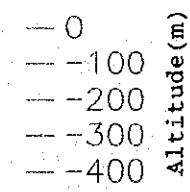
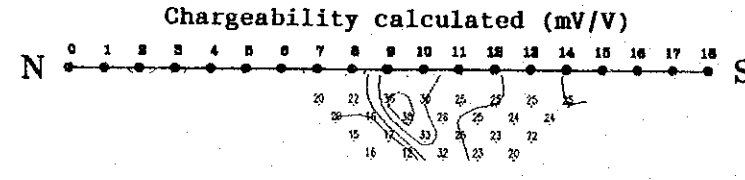
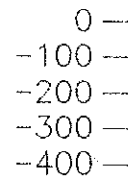
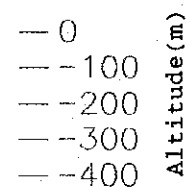
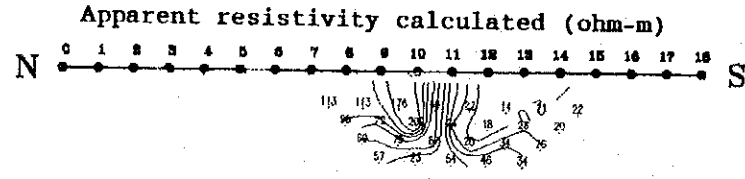
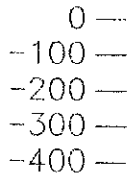
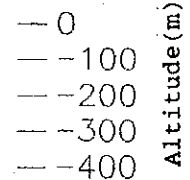
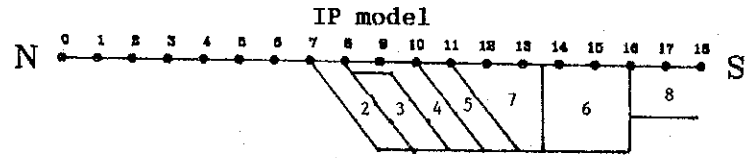
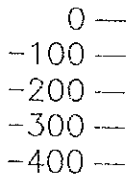


Results of IP model simulation of Line-C in Pinanduan Sub-area

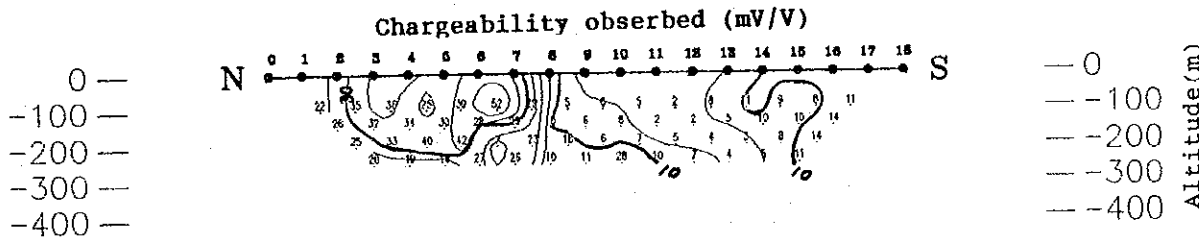
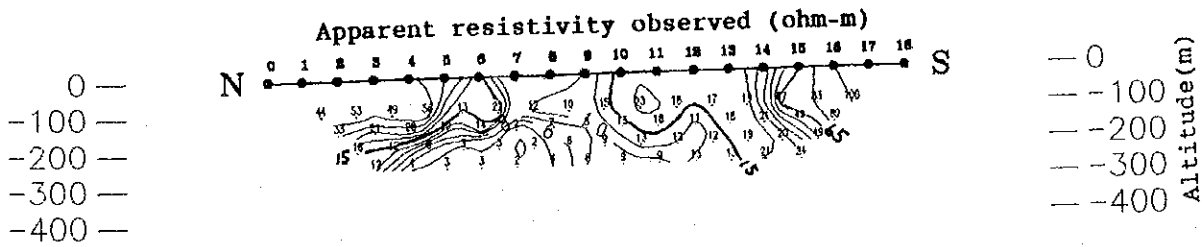
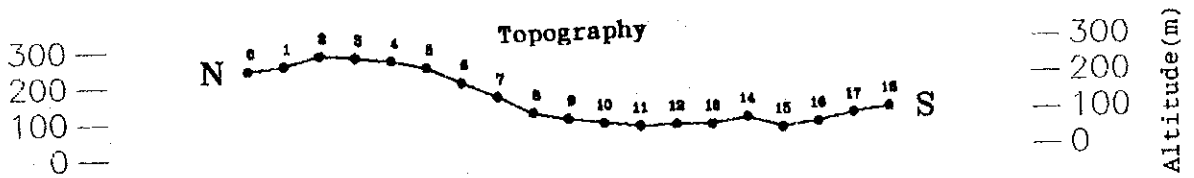


LINE-pd1m0101 JOB:001

CODE NUMBER :	1	2	3	4	5	6	7	8
RESIS(ohm-m) :	30.0	90.0	500.0	90.0	500.0	15.0	70.0	50.0
CHARGE(mV/V) :	10.0	50.0	50.0	20.0	50.0	25.0	30.0	25.0

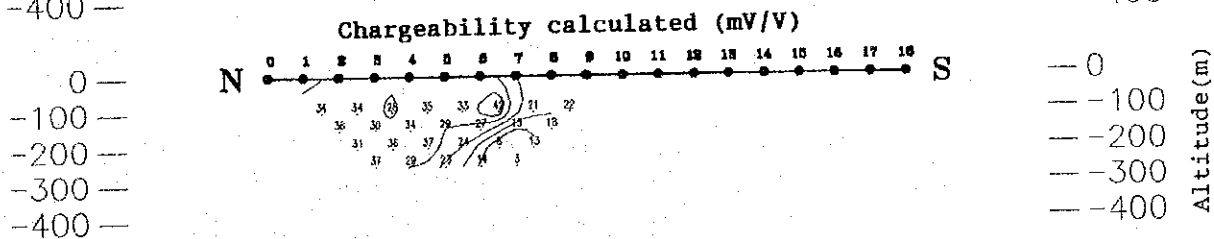
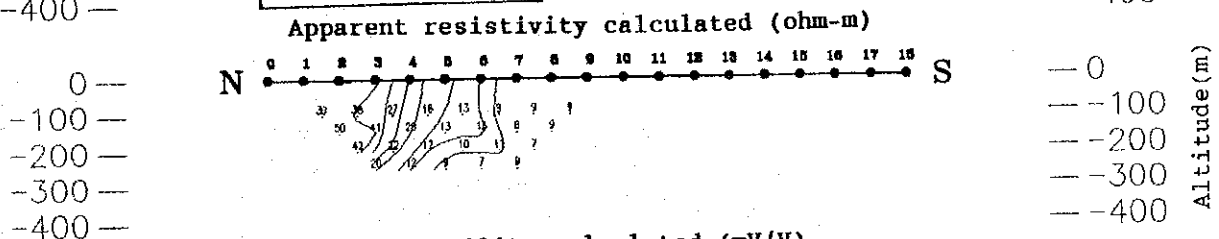
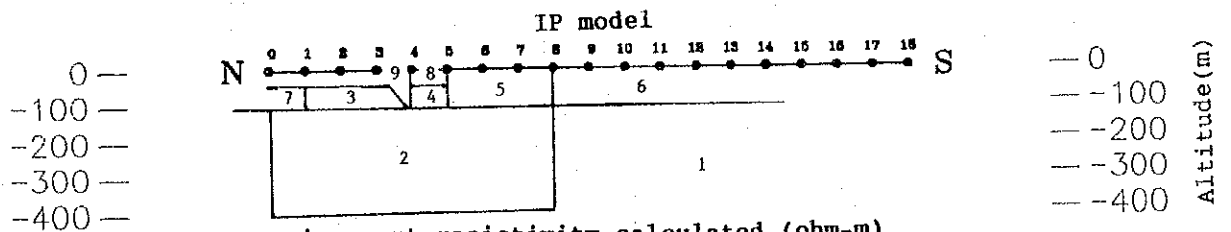


Results of IP model simulation of Line-D1 in Pinanduan Sub-area

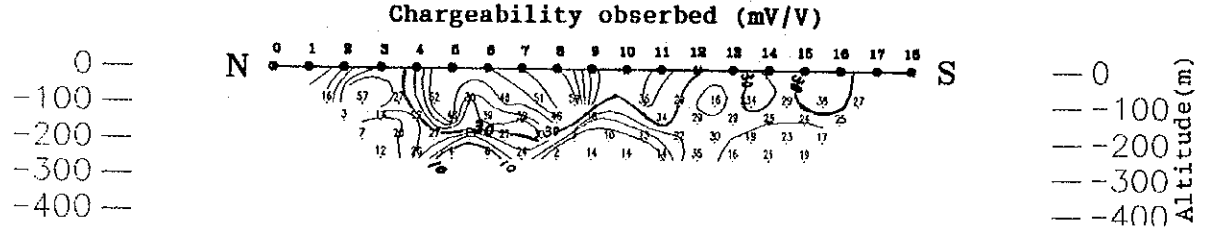
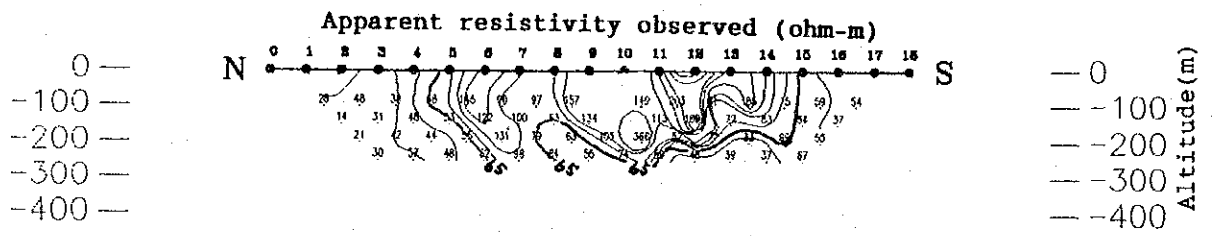
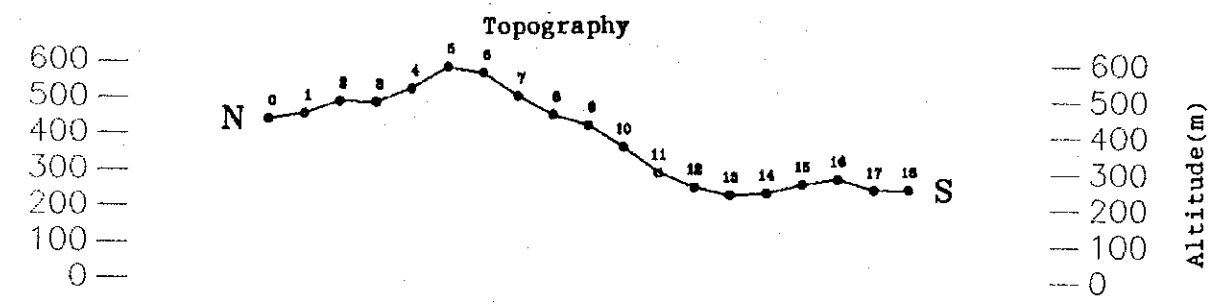


LINE-pd2m0101 JOB:001

CODE NUMBER :	1	2	3	4	5	6	7	8	9
RESIS(ohm-m):	10.0	1.0	200.0	200.0	10.00	9.0	100.0	15.0	20.0
CHARGE(mV/V):	4.0	30.0	45.0	20.0	40.0	10.0	20.0	30.0	20.0

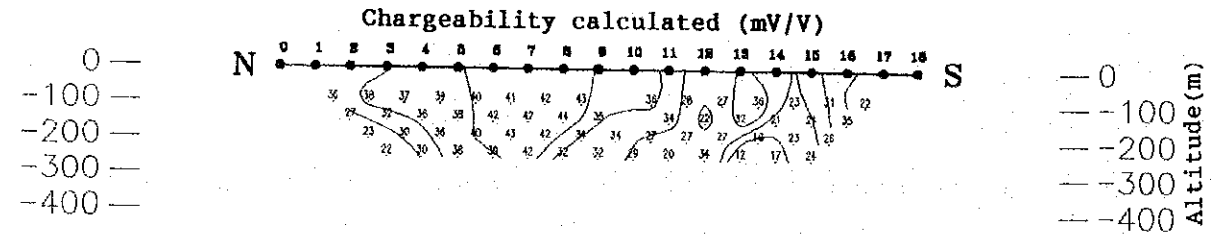
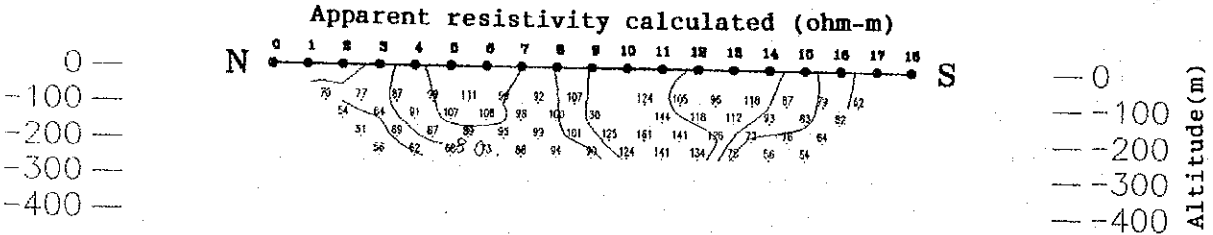
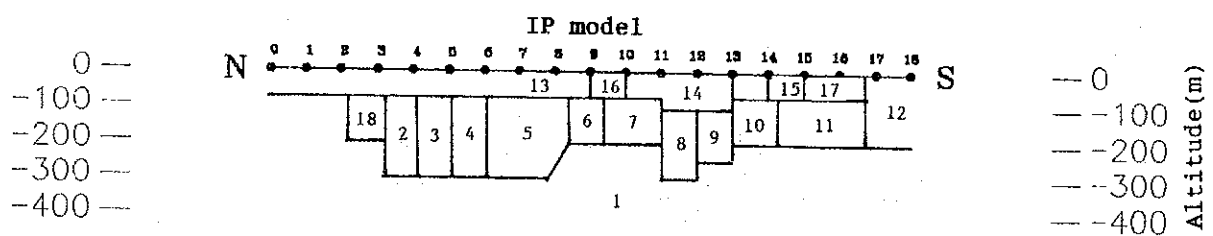


Results of IP model simulation of Line-D2 in Pinanduan Sub-area

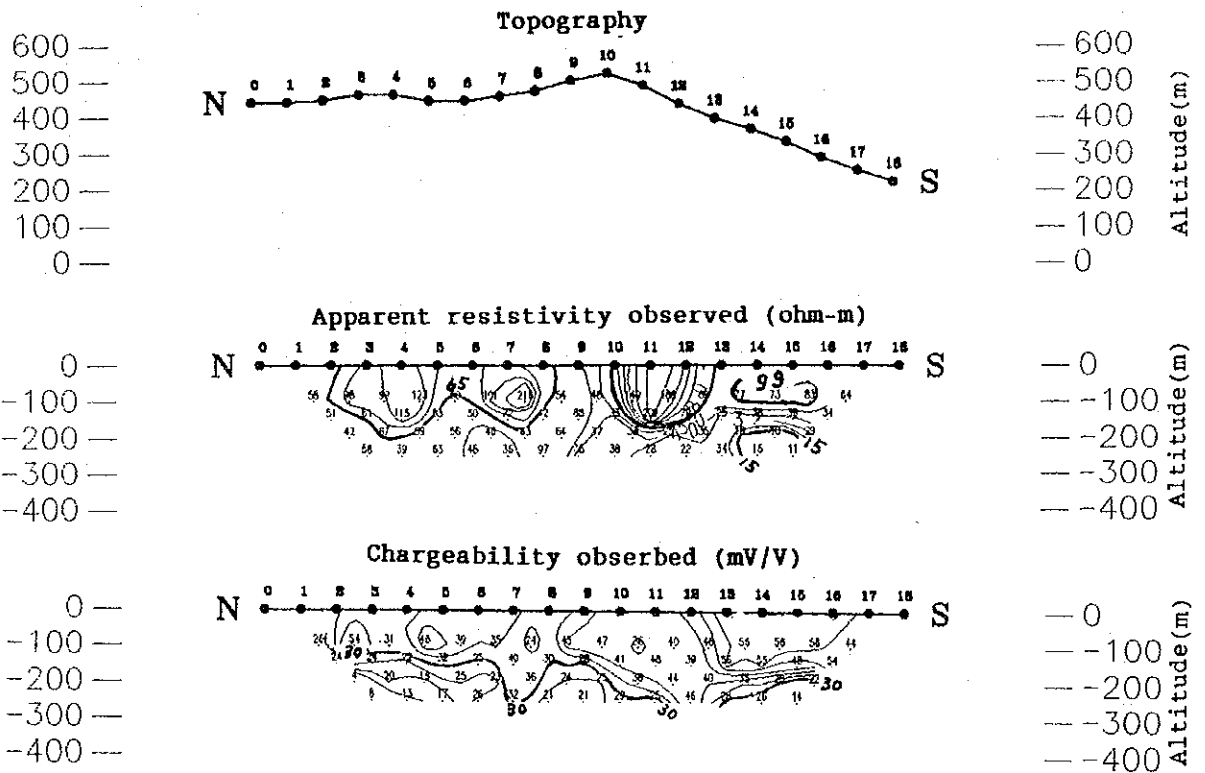


LINE-pew0101 JOB:001

CODE NUMBER :	1	2	3	4	5	6	7	8	9	10
RESIS(ohm-m) :	15.0	70.0	80.0	300.0	90.0	300.0	300.0	500.0	50.0	300.0
CHARGE(mV/V) :	10.0	20.0	50.0	20.0	40.0	40.0	30.0	25.0	10.0	30.0
CODE NUMBER :	11	12	13	14	15	16	17	18		
RESIS(ohm-m) :	60.0	60.0	100.0	100.0	100.0	100.0	80.0	40.0		
CHARGE(mV/V) :	28.0	25.0	30.0	30.0	40.0	40.0	20.0	40.0		

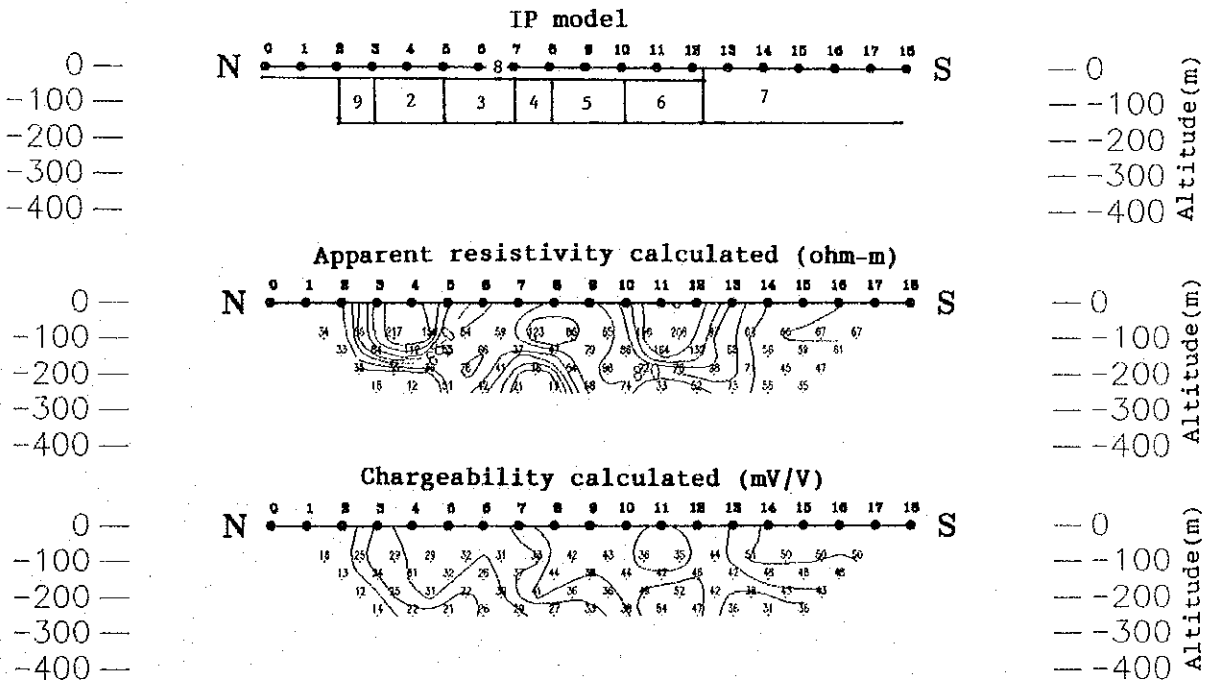


Results of IP model simulation of Line-E in Pinanduan Sub-area



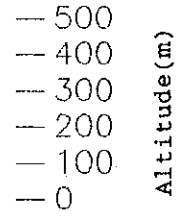
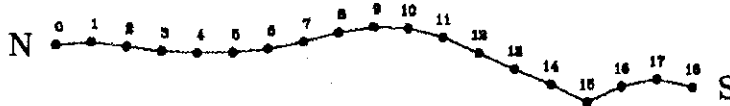
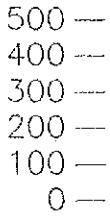
LINE-pfm0101 JOB:001

CODE NUMBER :	1	2	3	4	5	6	7	8	9
RESIS(ohm-m):	15.0	250.0	50.0	300.0	50.0	400.0	70.0	100.0	90.0
CHARGE(mV/V):	10.0	30.0	35.0	30.0	50.0	40.0	50.0	30.0	30.0

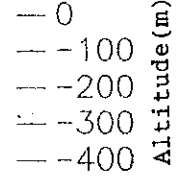
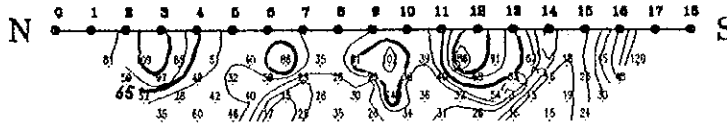
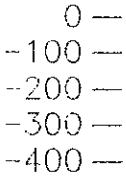


Results of IP model simulation of Line-F in Pinanduan Sub-area

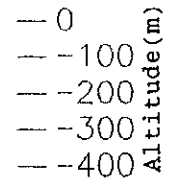
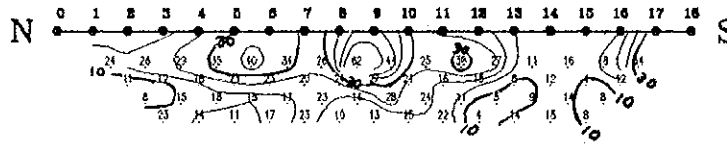
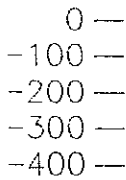
Topography



Apparent resistivity observed (ohm-m)



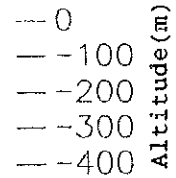
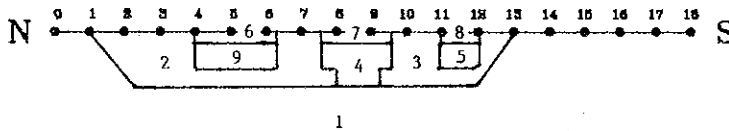
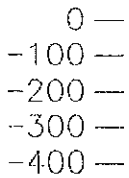
Chargeability observed (mV/V)



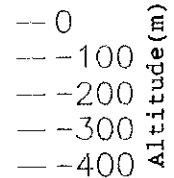
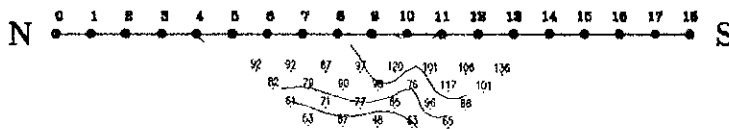
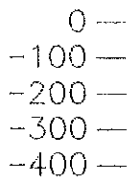
LINE-pgm0101 JOB:001

CODE NUMBER :	1	2	3	4	5	6	7	8	9
RESIS(ohm-m):	15.0	90.0	90.0	150.0	400.0	90.0	90.0	90.0	100.0
CHARGE(mV/V):	10.0	22.0	22.0	40.0	40.0	22.0	18.0	22.0	40.0

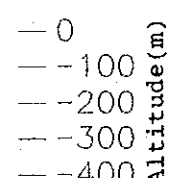
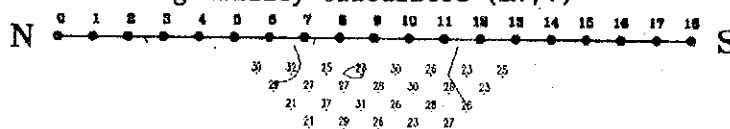
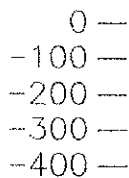
IP model



Apparent resistivity calculated (ohm-m)



Chargeability calculated (mV/V)



Results of IP model simulation of Line-G in Pinanduan Sub-area

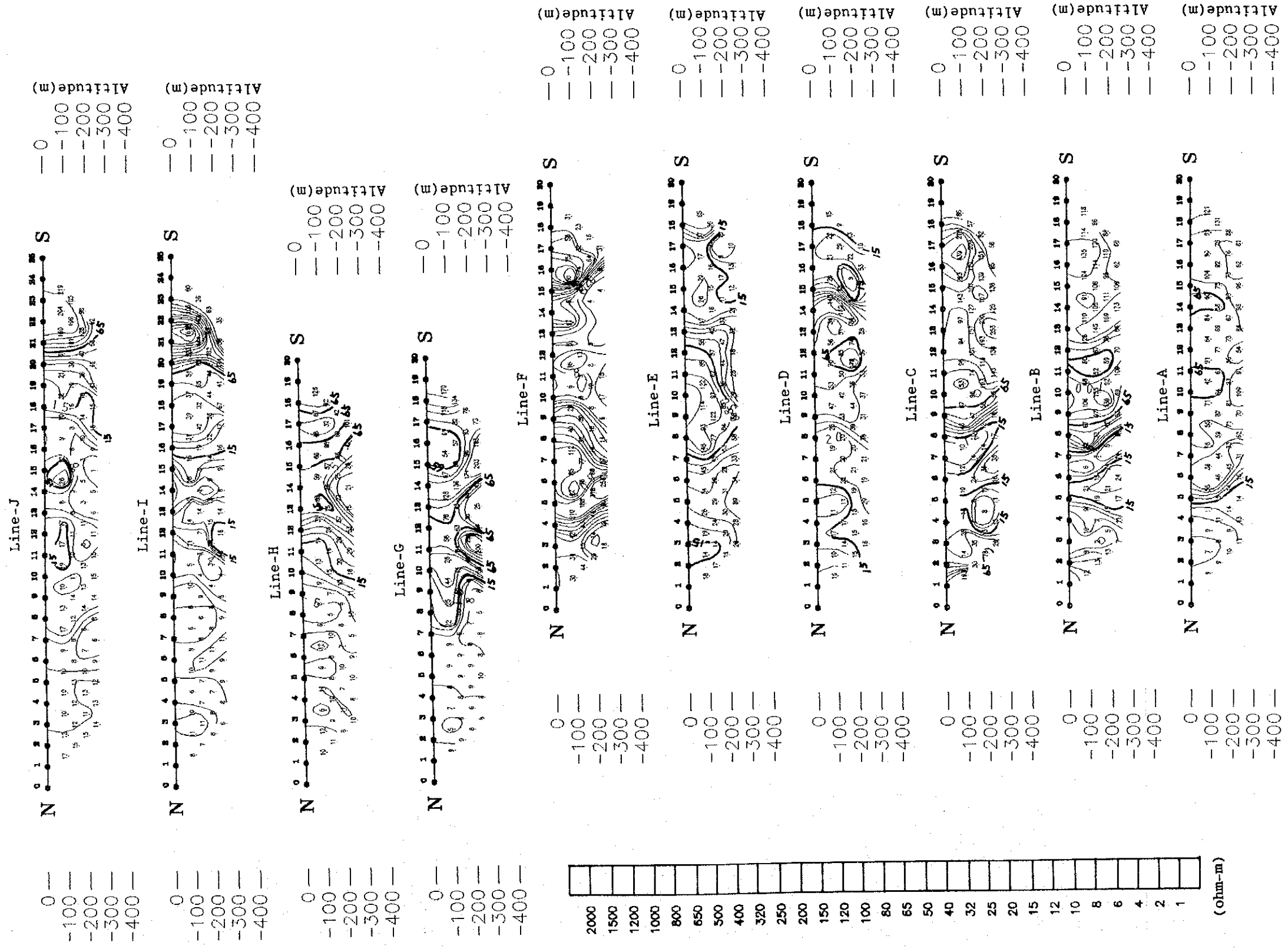
## Appendix 11

Pseudo-section of apparent resistivity in S. Imbak Sub-area









Appendix 11 Pseudo-section of apparent resistivity in S. Imbak Sub-area

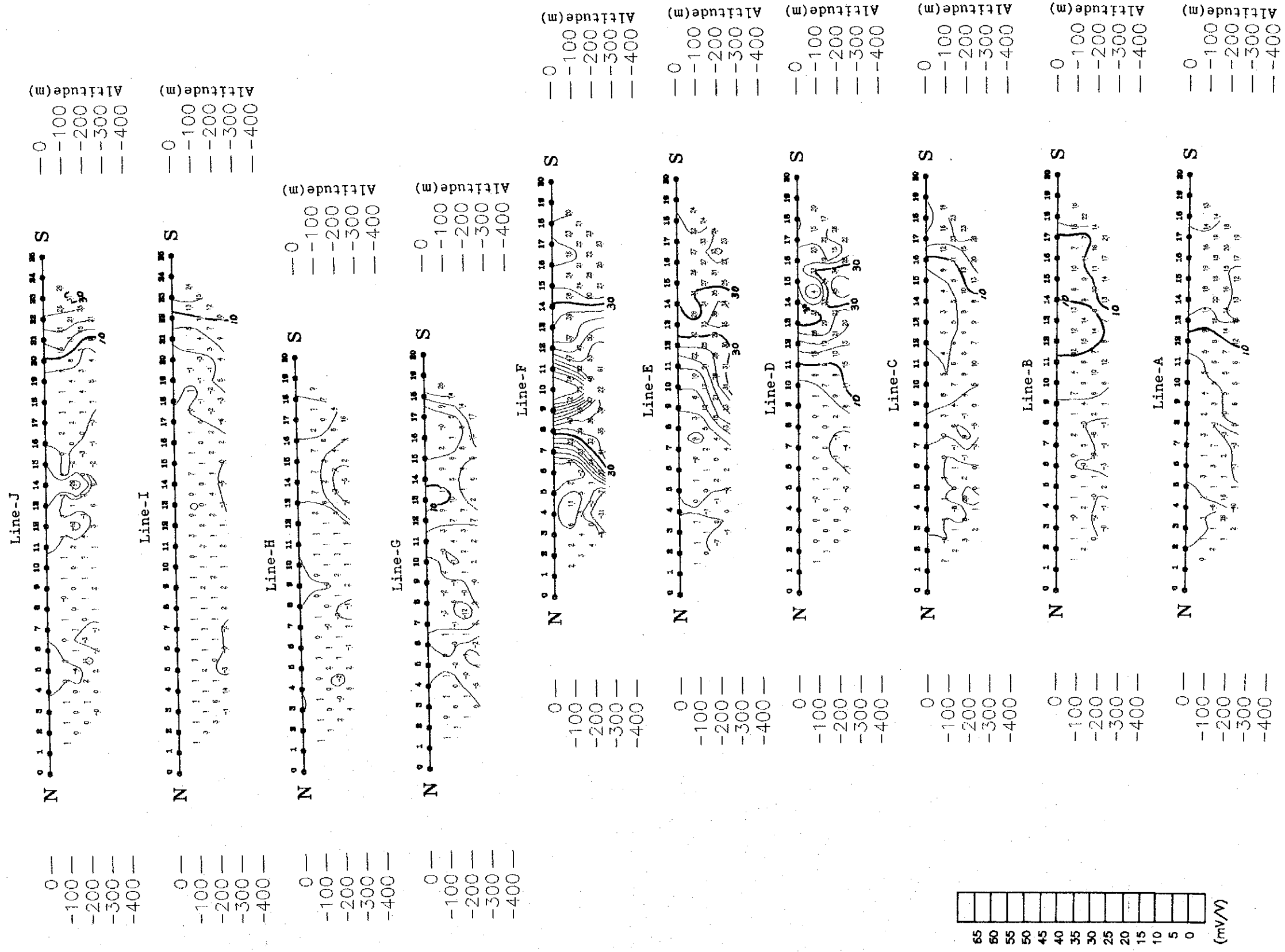


## Appendix 12

Pseudo-section of chargeability in S. Imbak Sub-area







Appendix 12 Pseudo-section of chargeability in S. Imbak Sub-area

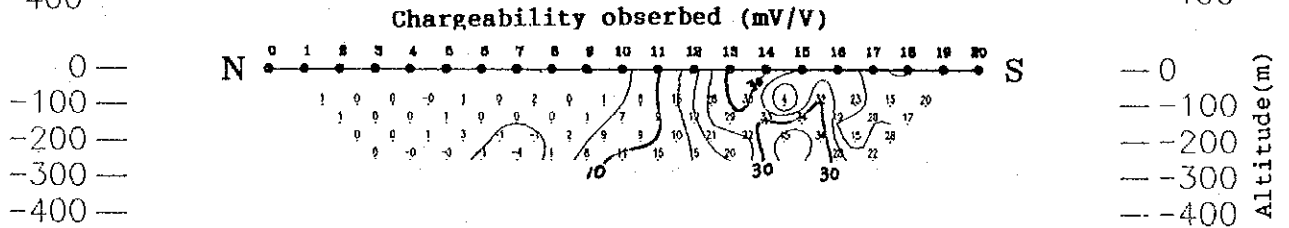
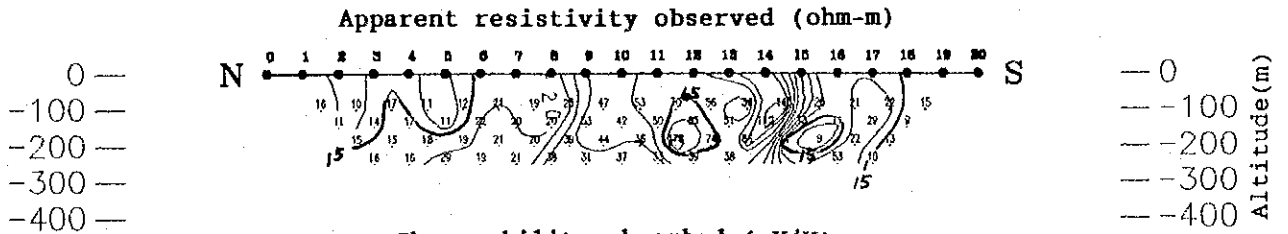
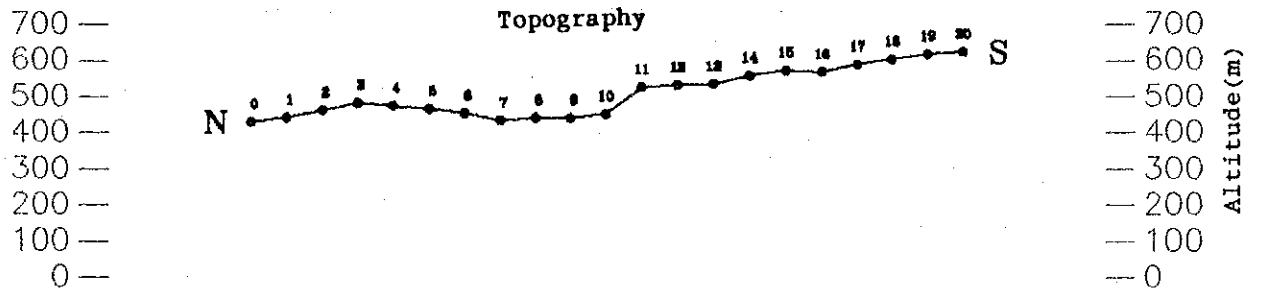




## Appendix 13

IP model simulation in S. Imbak Sub-area

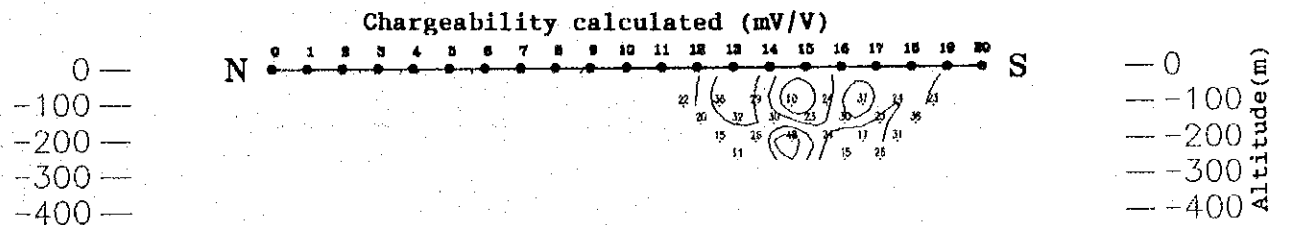
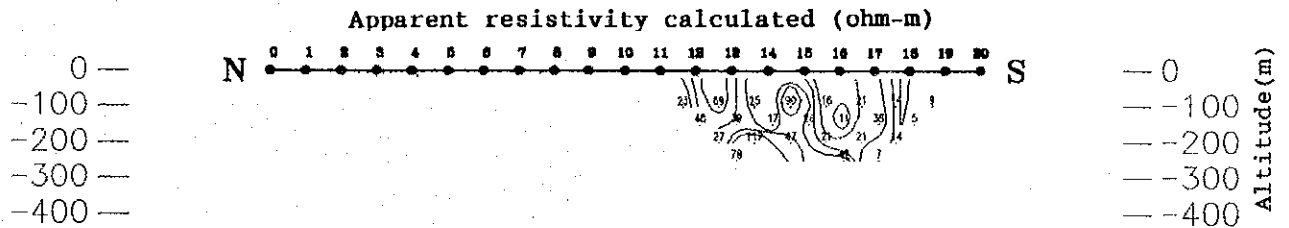
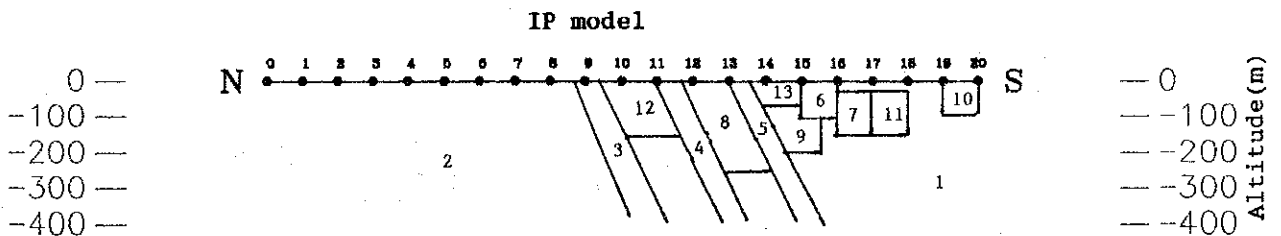




LINE-IDM0103 JOB:001

CODE NUMBER :	1	2	3	4	5	6	7	8	9	10
RESIS(ohm-m):	30.00	10.00	100.0	100.0	100.0	100.0	8.000	30.00	100.0	8.000
CHARGE(mv/v):	15.0	1.00	10.0	10.0	10.0	15.0	60.0	60.0	5.00	25.0

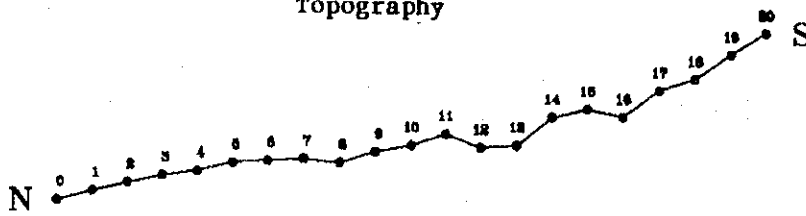
CODE NUMBER :	11	12	13
RESIS(ohm-m):	10.00	30.00	50.00
CHARGE(mv/v):	20.0	15.0	5.00



Results of IP model simulation of Line-D in S.Imbak Sub-area

900—  
800—  
700—  
600—  
500—  
400—  
300—  
200—  
100—  
0—

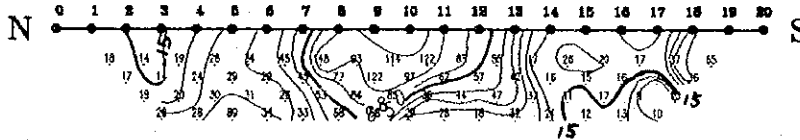
Topography



—900  
—800  
—700  
—600  
—500  
—400  
—300  
—200  
—100  
—0  
Altitude(m)

Apparent resistivity observed (ohm-m)

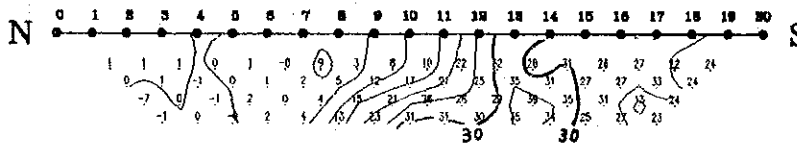
0—  
-100—  
-200—  
-300—  
-400—



—0  
—-100  
—-200  
—-300  
—-400  
Altitude(m)

Chargeability observed (mV/V)

0—  
-100—  
-200—  
-300—  
-400—



—0  
—-100  
—-200  
—-300  
—-400  
Altitude(m)

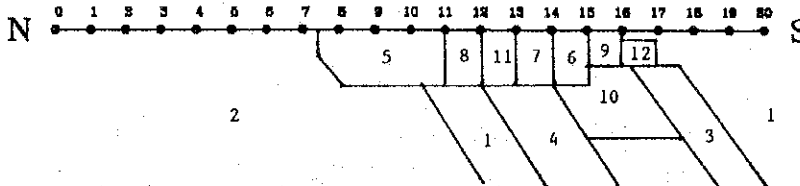
LINE-1em0103 JOB:001

CODE NUMBER :	1	2	3	4	5	6	7	8	9	10
RESIS(ohm-m):	20.0	20.0	12.0	25.0	500.0	10.0	25.0	500.0	13.0	14.0
CHARGE(mV/V):	15.0	2.0	30.0	30.0	2.0	25.0	20.0	2.0	40.0	28.0

CODE NUMBER :	11	12
RESIS(ohm-m):	25.0	13.0
CHARGE(mV/V):	26.0	40.0

IP model

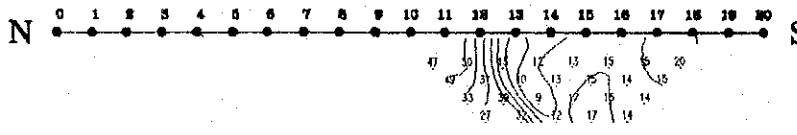
0—  
-100—  
-200—  
-300—  
-400—



—0  
—-100  
—-200  
—-300  
—-400  
Altitude(m)

Apparent resistivity calculated (ohm-m)

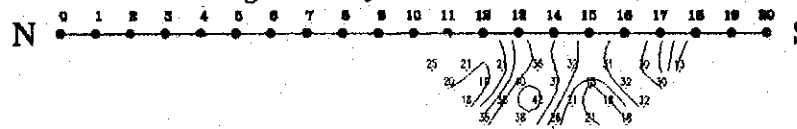
0—  
-100—  
-200—  
-300—  
-400—



—0  
—-100  
—-200  
—-300  
—-400  
Altitude(m)

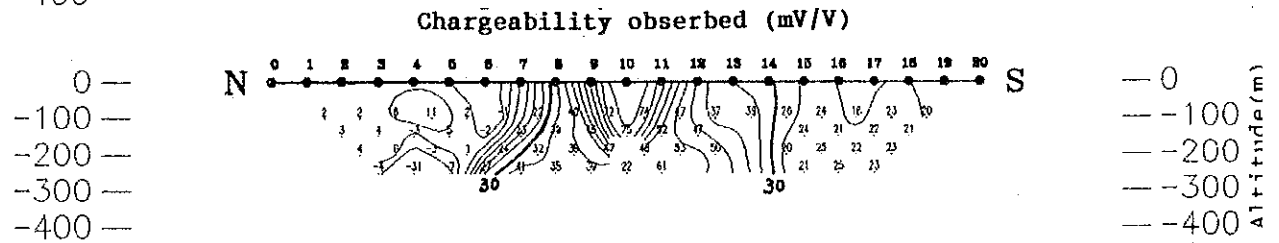
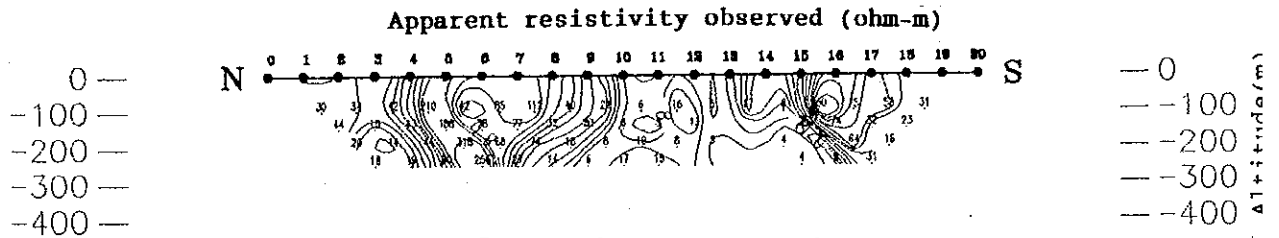
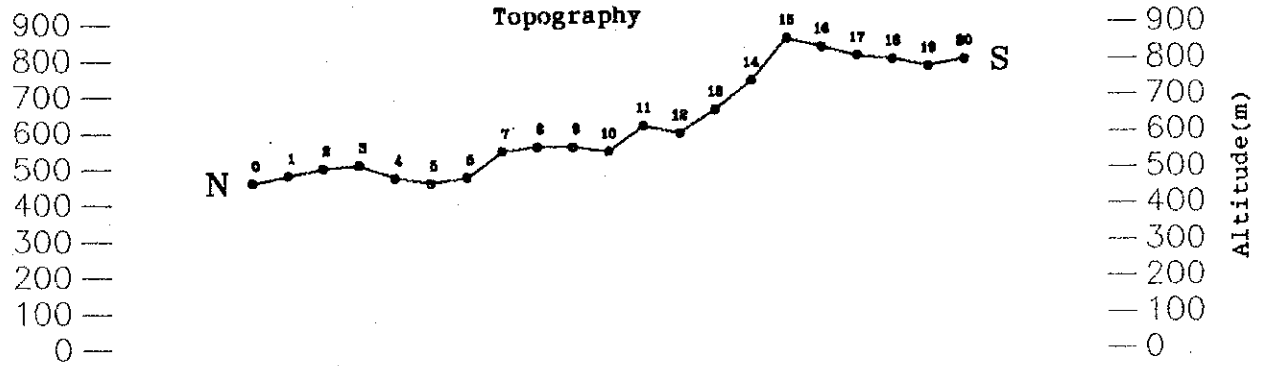
Chargeability calculated (mV/V)

0—  
-100—  
-200—  
-300—  
-400—



—0  
—-100  
—-200  
—-300  
—-400  
Altitude(m)

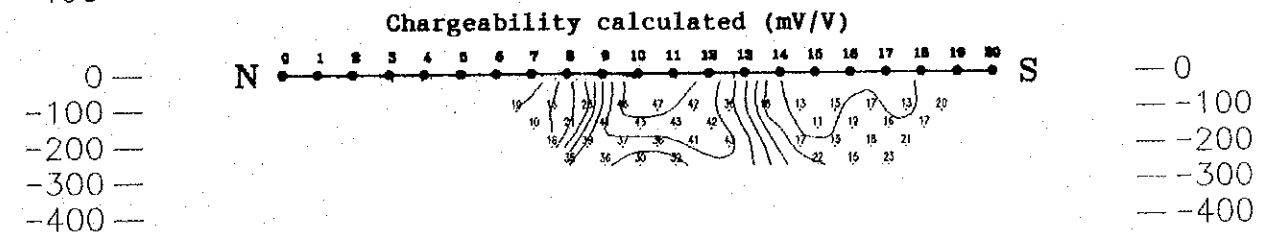
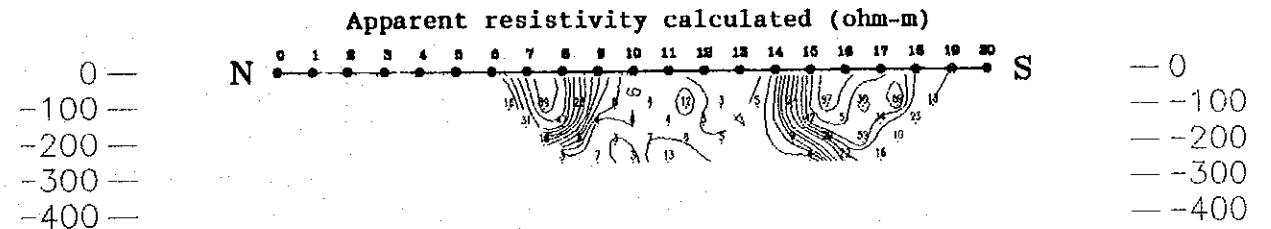
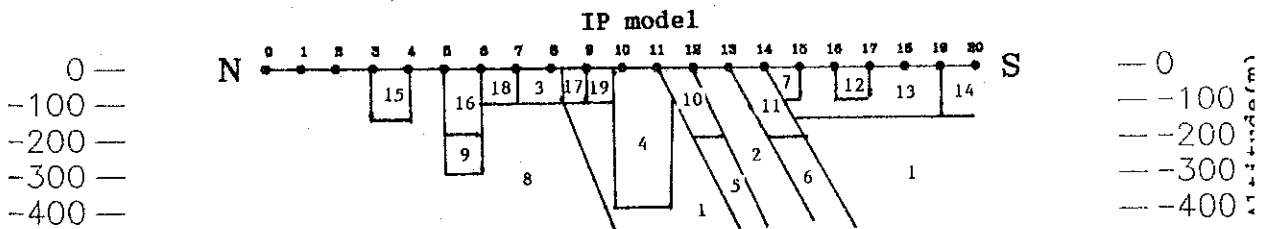
Results of IP model simulation of Line-E in S.Imbak Sub-area



LINE-1f#0103 JOB:001

CODE NUMBER :	1	2	3	4	5	6	7	8	9	10
RESIS(ohm-m):	30.0	5.0	200.0	3.0	5.0	5.0	100.0	25.0	200.0	2.0
CHARGE(mV/V):	15.0	20.0	20.0	50.0	30.0	25.0	20.0	1.0	1.0	40.0

CODE NUMBER :	11	12	13	14	15	16	17	18	19
RESIS(ohm-m):	2.0	100.0	40.0	10.0	150.0	25.0	80.0	100.0	30.0
CHARGE(mV/V):	20.0	10.0	15.0	20.0	5.0	10.0	20.0	15.0	30.0



Results of IP model simulation of Line-F in S.Imbak Sub-area



## Appendix 14

List of IP data measured in both sub-areas





IP DATA LIST IN PINANDUAN SUB-AREA

IP data measured of Line-A in Pinanduan Sub-area (I)

No.	P1	C1	N	Curr (mA)	Voltage (mV)	Resis1 (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1	2500	33.49	25	1.177	21	13.00
2	0	3	2	2400	4.72	15	1.026	14	9.91
3	0	4	3	2100	1.06	10	1.062	9	12.63
4	0	5	4	2300	.55	9	1.082	8	4.11
5	1	3	1	2400	28.79	23	.839	27	17.22

LEGEND for the List

- No. : Serial No. of IP data at each point
- P1 : Name of a station of potential electrode
- C1 : Name of a station of current electrode
- N : N spread
- Curr : Current value (mili ampere)
- Voltage : Received voltage difference in mV between potential dipoles
- Resis1 : Apparent resistivity value in ohm-m before terrain correction
- Tcf : Terrain correction factor
- Resis2 : Apparent resistivity value in ohm-m after terrain correction
- Charge : Chargeability value in mV/V between 820msec and 1050msec

IP data measured of Line-A in Pinanduan Sub-area (1)

No.	P1	C1	N	Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1	2500	33.49	25	1.177	21	13.00
2	0	3	2	2400	4.72	15	1.026	14	9.91
3	0	4	3	2100	1.06	10	1.062	9	12.63
4	0	5	4	2300	.55	9	1.082	8	4.11
5	1	3	1	2400	28.79	23	.839	27	17.22
6	1	4	2	2100	3.39	12	.903	13	15.01
7	1	5	3	2300	1.36	11	.920	11	2.96
8	1	6	4	2300	.39	6	.957	6	10.06
9	2	4	1	2100	27.99	25	1.084	23	36.47
10	2	5	2	2300	4.39	14	1.080	12	13.44
11	2	6	3	2300	.96	8	1.119	7	14.55
12	2	7	4	2500	.33	5	1.215	4	11.26
13	3	5	1	2300	40.63	33	.985	33	34.24
14	3	6	2	2300	3.60	12	1.026	11	24.23
15	3	7	3	2400	.78	6	1.092	5	23.57
16	3	8	4	2400	.26	4	1.083	3	45.67
17	4	6	1	2100	31.04	28	.979	28	35.59
18	4	7	2	2100	2.08	7	1.030	6	23.16
19	4	8	3	2100	.52	5	1.008	4	25.91
20	4	9	4	2100	.13	2	.944	2	7.01
21	5	7	1	2300	17.89	15	1.090	13	30.90
22	5	8	2	2300	2.03	7	1.035	6	20.28
23	5	9	3	2300	.35	3	.957	3	7.58
24	5	10	4	2300	.07	1	.893	1	5.18
25	6	8	1	2400	27.32	21	.909	23	42.29
26	6	9	2	2400	2.21	7	.862	8	20.89
27	6	10	3	2100	.25	2	.822	2	21.06
28	6	11	4	2000	.10	2	.800	2	16.95
29	7	9	1	2700	23.23	16	.967	16	30.45
30	7	10	2	2100	1.31	5	.938	5	22.45
31	7	11	3	2000	.28	3	.901	3	17.84
32	7	12	4	2900	.16	2	1.198	1	43.18
33	8	10	1	2100	12.09	11	1.017	10	21.82
34	8	11	2	2100	1.12	4	.974	4	23.00
35	8	12	3	3000	.30	2	1.269	1	26.15
36	8	13	4	2600	.11	2	.999	2	37.23
37	9	11	1	2100	21.00	19	1.032	18	22.31
38	9	12	2	3000	2.12	5	1.291	3	20.90
39	9	13	3	2600	.36	3	.987	3	18.92
40	9	14	4	2100	.10	2	.655	3	56.15
41	10	12	1	3000	18.33	12	1.188	10	20.98
42	10	13	2	2600	1.52	4	.870	4	21.75
43	10	14	3	1600	.25	3	.594	5	18.83
44	10	15	4	1600	.25	6	1.097	5	12.06
45	11	13	1	2600	6.38	5	.695	7	22.06
46	11	14	2	1700	.83	4	.529	7	18.58
47	11	15	3	1700	.76	8	1.009	7	18.60
48	11	16	4	4700	.23	2	.722	2	41.11
49	12	14	1	2100	8.62	8	.818	9	18.25
50	12	15	2	2100	3.23	12	1.589	7	22.96

IP data measured of Line-A in Pinanduan Sub-area (2)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resis1 (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 2100	.56	5	1.087	4	20.09
52	12	17	4 2100	.07	1	1.455	1	35.55
53	13	15	1 2000	49.63	47	1.782	26	12.01
54	13	16	2 2000	3.25	12	.969	12	18.06
55	13	17	3 2000	.26	2	1.277	1	29.31
56	14	16	1 1650	7.19	8	.506	15	18.63
57	14	17	2 1650	.41	2	.743	2	27.51
58	15	17	1 1600	7.41	9	1.356	6	27.20

IP data measured of Line-B in Pinanduan Sub-area (1)

No.	P1	C1	N	Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1	1500	81.97	103	1.058	97	34.36
2	0	3	2	1700	3.26	14	.974	14	51.68
3	0	4	3	2200	.54	5	.912	5	25.92
4	0	5	4	2300	.21	4	1.065	3	16.63
5	1	3	1	1700	18.69	21	.846	24	46.19
6	1	4	2	2200	1.78	6	.803	7	20.69
7	1	5	3	2300	.64	5	.932	5	11.23
8	1	6	4	1500	.10	3	.630	4	8.38
9	2	4	1	2200	18.10	16	.975	16	41.07
10	2	5	2	1300	1.87	11	1.114	9	26.65
11	2	6	3	1500	.28	4	.744	5	25.21
12	2	7	4	1600	.15	4	.772	5	41.19
13	3	5	1	1300	17.56	25	1.043	23	37.87
14	3	6	2	1500	.94	5	.698	7	24.57
15	3	7	3	1600	.40	5	.743	6	48.88
16	3	8	4	1700	.19	4	1.000	4	53.14
17	4	6	1	2300	8.76	7	.627	11	18.58
18	4	7	2	2300	1.85	6	.739	8	15.54
19	4	8	3	2200	.54	5	1.005	4	16.69
20	4	9	4	2200	.15	3	.812	3	15.08
21	5	7	1	2300	54.07	44	1.193	36	27.02
22	5	8	2	2300	2.80	9	1.514	5	22.25
23	5	9	3	2300	.47	4	1.163	3	15.99
24	5	10	4	2200	.10	2	.979	2	13.17
25	6	8	1	1600	13.36	16	1.128	14	22.43
26	6	9	2	1600	.80	4	.814	4	18.39
27	6	10	3	1500	.11	1	.688	1	35.03
28	6	11	4	1500	.07	2	1.004	1	51.59
29	7	9	1	1600	11.64	14	.752	18	13.37
30	7	10	2	1600	.50	2	.681	2	24.89
31	7	11	3	1600	.23	3	.997	3	63.51
32	7	12	4	2900	.16	2	1.198	1	43.18
33	8	10	1	1600	9.48	11	.985	11	16.53
34	8	11	2	1500	1.13	6	1.433	4	24.26
35	8	12	3	1800	.24	2	.992	2	25.96
36	8	13	4	1800	.06	1	.854	1	41.46
37	9	11	1	1500	16.49	21	1.313	15	21.03
38	9	12	2	1800	.89	4	.839	4	28.95
39	9	13	3	1800	.16	2	.731	2	31.80
40	9	14	4	2100	.10	2	.655	3	56.15
41	10	12	1	1900	8.97	9	.672	13	22.00
42	10	13	2	1850	.67	3	.635	4	20.67
43	10	14	3	2000	.17	2	1.059	1	13.05
44	10	15	4	2600	.07	1	1.157	0	52.03
45	11	13	1	1850	15.12	15	.992	15	25.84
46	11	14	2	2000	1.72	6	1.635	3	20.06
47	11	15	3	2600	.31	2	1.643	1	48.21
48	11	16	4	4700	.23	2	.722	2	41.11
49	12	14	1	1900	18.95	19	1.282	14	46.36
50	12	15	2	1900	.85	3	1.107	2	26.54

IP data measured of Line-B in Pinanduan Sub-area (2)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 2100	.56	5	1.087	4	20.09
52	12	17	4 2100	.07	1	1.455	0	35.55
53	13	15	1 1900	6.34	6	.841	7	54.21
54	13	16	2 1900	.17	1	.661	1	114.57
55	13	17	3 1900	.04	0	.823	0	70.27
56	14	16	1 2000	3.43	3	.719	4	34.09
57	14	17	2 2000	.38	1	.981	1	27.17
58	15	17	1 2600	16.23	12	1.285	9	37.74

IP data measured of Line-C in Pinanduan Sub-area (1)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1 1600	25.00	29	1.123	25	23.34
2	0	3	2 1600	4.39	21	.943	22	13.04
3	0	4	3 1500	.49	6	.795	7	16.97
4	0	5	4 1300	.08	2	.569	3	-19.58
5	1	3	1 1600	20.45	24	.891	26	26.95
6	1	4	2 1500	1.03	5	.778	6	33.75
7	1	5	3 1300	.16	2	.571	3	12.09
8	1	6	4 1200	.14	5	.882	5	-26.06
9	2	4	1 1700	6.24	7	.887	7	30.37
10	2	5	2 1500	.44	2	.704	2	20.26
11	2	6	3 1250	.33	5	1.120	4	24.69
12	2	7	4 1800	.20	4	1.068	3	21.58
13	3	5	1 1500	2.23	3	.813	3	23.43
14	3	6	2 1250	.80	5	1.332	3	23.02
15	3	7	3 1800	.37	4	1.221	3	18.63
16	3	8	4 1700	.19	4	1.000	4	53.14
17	4	6	1 1700	12.66	14	1.513	9	32.65
18	4	7	2 1700	.29	1	1.187	0	38.10
19	4	8	3 1700	.20	2	1.071	1	57.17
20	4	9	4 1700	.04	1	1.081	0	34.55
21	5	7	1 1500	6.10	8	.710	11	18.26
22	5	8	2 1500	.36	2	.686	2	14.40
23	5	9	3 1500	.16	2	.710	2	14.52
24	5	10	4 1700	.08	2	.646	3	18.05
25	6	8	1 1350	7.12	10	.988	10	8.12
26	6	9	2 1350	1.73	10	1.052	9	4.90
27	6	10	3 1550	.74	9	.960	9	10.49
28	6	11	4 1550	.25	6	.950	6	-7.25
29	7	9	1 1950	17.32	17	1.071	15	2.76
30	7	10	2 2200	4.51	15	.976	15	3.06
31	7	11	3 2200	1.28	11	.959	11	-8.12
32	7	12	4 2200	1.04	18	1.382	13	2.84
33	8	10	1 2000	27.20	26	.961	27	7.77
34	8	11	2 1500	2.91	15	.954	15	-11.08
35	8	12	3 1800	2.15	22	1.345	16	2.19
36	8	13	4 2100	1.00	18	1.280	14	4.12
37	9	11	1 1500	18.50	23	1.056	21	-3.66
38	9	12	2 1800	7.15	30	1.410	21	-.94
39	9	13	3 2100	2.46	22	1.265	17	1.40
40	9	14	4 4400	2.02	17	1.073	15	-1.70
41	10	12	1 1900	36.94	37	1.246	29	13.43
42	10	13	2 3400	10.25	23	1.009	22	14.70
43	10	14	3 4400	3.95	17	.848	20	4.49
44	10	15	4 2000	1.40	26	.768	33	20.37
45	11	13	1 3400	50.43	28	.773	36	7.53
46	11	14	2 4400	8.67	15	.693	21	7.05
47	11	15	3 2000	2.05	19	.648	29	-4.83
48	11	16	4 1500	.42	11	.651	16	10.79
49	12	14	1 2100	165.78	149	.917	162	11.13
50	12	15	2 2100	57.06	205	.902	227	14.46

IP data measured of Line-C in Pinanduan Sub-area (2)

No.	PI	CI	N Curr (mA)	Voltage (mV)	Resis1 (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 1900	9.55	95	.924	102	14.72
52	12	17	4 1900	4.68	93	1.056	88	16.02
53	13	15	1 2100	222.80	200	.987	202	6.26
54	13	16	2 3400	47.02	104	1.023	101	8.03
55	13	17	3 3400	19.63	109	1.164	93	8.89
56	14	16	1 4400	271.16	116	1.023	113	3.14
57	14	17	2 4400	72.33	124	1.136	109	3.26
58	15	17	1 2300	155.14	127	1.091	116	2.92

IP data measured of Line-D1 in Pinanduan Sub-area (1)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resis1 (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1 2800	132.08	89	.840	105	46.18
2	0	3	2 2400	17.98	56	1.725	32	28.79
3	0	4	3 1800	2.73	29	1.718	16	18.99
4	0	5	4 1800	2.73	57	1.785	31	19.08
5	1	3	1 2400	45.66	36	1.823	19	29.43
6	1	4	2 1700	4.58	20	1.298	15	19.92
7	1	5	3 1800	2.58	27	1.205	22	13.61
8	1	6	4 2400	1.23	19	.714	26	3.67
9	2	4	1 1700	18.31	20	.613	32	28.82
10	2	5	2 1800	5.94	25	.585	42	18.67
11	2	6	3 1900	5.96	59	.357	165	18.59
12	2	7	4 1800	.20	4	1.068	3	21.58
13	3	5	1 2700	3.31	2	.970	2	15.56
14	3	6	2 2500	6.47	20	.633	31	12.10
15	3	7	3 2400	2.69	21	.637	32	18.21
16	3	8	4 2400	.65	10	.588	17	12.22
17	4	6	1 1800	16.30	17	.539	31	11.72
18	4	7	2 1700	5.11	23	.637	36	19.00
19	4	8	3 1700	1.05	12	.621	19	8.98
20	4	9	4 1700	.38	8	.759	10	8.51
21	5	7	1 1900	42.29	42	1.160	36	27.42
22	5	8	2 1900	5.01	20	1.110	18	11.83
23	5	9	3 1800	1.47	15	1.306	11	11.22
24	5	10	4 1800	1.33	28	1.492	18	15.61
25	6	8	1 2500	34.43	26	.933	27	22.75
26	6	9	2 2500	5.75	17	1.086	15	16.93
27	6	10	3 3100	4.94	30	1.245	24	15.64
28	6	11	4 2300	1.50	25	.744	33	5.09
29	7	9	1 1700	50.50	56	1.110	50	43.09
30	7	10	2 3100	25.07	61	1.205	50	36.86
31	7	11	3 2300	4.71	39	.702	55	19.95
32	7	12	4 1900	2.13	42	.834	50	23.47
33	8	10	1 3100	249.49	152	.970	156	40.75
34	8	11	2 2300	23.50	77	.573	134	29.24
35	8	12	3 1900	9.43	94	.724	129	29.55
36	8	13	4 1900	9.43	187	.974	191	29.21
37	9	11	1 2300	70.57	58	.633	91	20.49
38	9	12	2 1900	22.64	90	.917	98	17.70
39	9	13	3 2200	7.09	61	1.240	49	7.59
40	9	14	4 3200	5.07	60	1.606	37	.41
41	10	12	1 1900	254.49	252	1.146	219	43.00
42	10	13	2 2100	38.29	137	1.505	91	40.07
43	10	14	3 3100	48.86	297	1.777	167	18.45
44	10	15	4 3100	19.84	241	1.385	174	16.63
45	11	13	1 2100	151.74	136	1.304	104	24.64
46	11	14	2 2300	24.20	79	1.257	62	15.69
47	11	15	3 2300	8.84	72	.918	78	14.10
48	11	16	4 2300	2.38	39	.970	40	13.58
49	12	14	1 1900	56.82	56	.930	60	25.92
50	12	15	2 1900	9.66	38	.713	53	19.85



IP data measured of Line-D1 in Pinanduan Sub-area (2)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 4900	2.08	8	.775	10	18.79
52	12	17	4 4900	1.32	10	.686	14	16.66
53	13	15	1 1900	9.64	10	.582	17	20.40
54	13	16	2 2200	3.42	12	.734	16	15.31
55	13	17	3 2200	1.68	14	.679	20	9.70
56	14	16	1 3200	28.40	17	1.209	14	35.82
57	14	17	2 3200	5.33	13	1.054	12	22.60
58	15	17	1 3600	80.43	42	.833	50	37.74

IP data measured of Line-D2 in Pinanduan Sub-area (1)

No.	PI	CI	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1 2200	46.22	40	.902	44	22.03
2	0	3	2 3300	15.06	34	1.014	33	26.09
3	0	4	3 1700	1.48	16	.964	16	24.71
4	0	5	4 1700	.61	14	1.147	12	20.24
5	1	3	1 3300	85.65	49	.917	53	34.56
6	1	4	2 1700	4.42	20	.918	21	32.09
7	1	5	3 1700	1.30	14	1.104	12	32.55
8	1	6	4 1800	.28	6	1.365	4	18.53
9	2	4	1 1650	38.42	44	.897	49	36.21
10	2	5	2 1700	6.98	31	1.101	28	33.54
11	2	6	3 1800	.79	8	1.307	6	39.67
12	2	7	4 2200	.24	4	1.210	3	15.80
13	3	5	1 1700	61.06	68	1.204	56	25.25
14	3	6	2 1800	3.11	13	1.297	10	30.35
15	3	7	3 3300	.68	4	1.126	3	41.52
16	3	8	4 3300	.27	3	.980	3	27.34
17	4	6	1 1650	13.18	15	1.084	13	38.98
18	4	7	2 1700	3.01	13	.870	14	27.69
19	4	8	3 1700	.23	3	.758	3	7.25
20	4	9	4 1400	.06	2	.705	2	26.44
21	5	7	1 1700	16.46	18	.811	22	51.78
22	5	8	2 1700	.52	2	.755	2	28.83
23	5	9	3 1450	.18	2	.717	2	22.52
24	5	10	4 1450	.11	3	.700	4	10.88
25	6	8	1 1800	10.03	11	.858	12	26.32
26	6	9	2 1500	1.11	6	.853	7	9.65
27	6	10	3 1500	.42	5	.832	6	17.48
28	6	11	4 1700	.31	7	.810	8	10.50
29	7	9	1 1300	6.97	10	.997	10	5.30
30	7	10	2 1500	1.51	8	.985	8	6.38
31	7	11	3 1700	.81	9	.949	9	6.27
32	7	12	4 1750	.42	9	.928	9	28.33
33	8	10	1 1500	12.32	15	.938	15	6.13
34	8	11	2 1650	2.93	13	.930	13	5.65
35	8	12	3 1700	1.05	12	.913	13	6.63
36	8	13	4 1150	.25	8	.869	9	10.21
37	9	11	1 1650	18.91	22	.935	23	4.46
38	9	12	2 1700	3.77	17	.940	18	1.98
39	9	13	3 1150	.68	11	.906	12	4.48
40	9	14	4 1900	.71	14	1.024	13	7.29
41	10	12	1 1700	16.67	18	.992	18	1.82
42	10	13	2 1150	1.63	11	.971	11	1.54
43	10	14	3 1500	1.11	14	1.077	12	4.31
44	10	15	4 1500	.69	17	1.278	13	4.24
45	11	13	1 1150	10.15	17	.978	17	7.59
46	11	14	2 1600	4.20	20	1.069	18	4.92
47	11	15	3 1600	2.06	24	1.246	19	2.90
48	11	16	4 1600	.88	21	.977	21	4.96
49	12	14	1 1600	17.74	21	1.092	19	11.21
50	12	15	2 1600	5.77	27	1.232	21	9.86

IP data measured of Line-D2 in Pinanduan Sub-area (2)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resis1 (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 1600	1.63	19	.938	20	7.94
52	12	17	4 1600	.84	20	.806	24	10.88
53	13	15	1 1100	47.25	81	.929	87	8.55
54	13	16	2 1100	5.26	36	.729	49	9.71
55	13	17	3 1100	1.88	32	.651	49	14.34
56	14	16	1 1800	64.36	67	.806	83	8.25
57	14	17	2 1800	16.41	69	.768	89	13.48
58	15	17	1 3900	193.11	93	.924	100	10.91

IP data measured of Line-E in Pinanduan Sub-area (1)

No.	P1	C1	N	Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1	1200	16.05	25	.889	28	16.07
2	0	3	2	1700	4.01	18	1.217	14	2.68
3	0	4	3	1800	1.84	19	.884	21	6.65
4	0	5	4	2600	.99	14	.454	30	11.81
5	1	3	1	1700	51.58	57	1.169	48	57.16
6	1	4	2	1900	6.27	25	.798	31	13.86
7	1	5	3	2600	2.68	19	.444	42	19.98
8	1	6	4	2400	2.59	41	1.084	37	26.16
9	2	4	1	1800	25.35	27	.708	38	26.97
10	2	5	2	2600	7.32	21	.436	48	22.18
11	2	6	3	2400	6.26	49	1.103	44	27.35
12	2	7	4	1700	3.52	78	1.603	48	3.78
13	3	5	1	2600	62.31	45	.658	68	51.68
14	3	6	2	2400	29.66	93	1.753	53	47.54
15	3	7	3	1700	11.09	123	2.209	55	15.01
16	3	8	4	1700	4.64	103	1.658	62	5.88
17	4	6	1	1800	272.12	285	1.947	146	29.86
18	4	7	2	1800	47.16	198	1.621	122	38.65
19	4	8	3	1800	13.26	139	1.057	131	26.97
20	4	9	4	1800	4.82	101	1.025	98	23.85
21	5	7	1	2600	91.28	66	.730	90	45.75
22	5	8	2	2600	16.56	48	.476	100	32.05
23	5	9	3	2600	5.15	37	.467	79	29.98
24	5	10	4	2600	2.97	43	.506	84	1.83
25	6	8	1	2400	86.57	68	.698	97	50.95
26	6	9	2	2400	15.72	49	.771	63	46.23
27	6	10	3	2400	6.87	54	.846	63	9.42
28	6	11	4	2200	2.62	45	.805	55	14.33
29	7	9	1	2000	177.21	167	1.057	157	59.00
30	7	10	2	2400	49.75	156	1.162	134	15.67
31	7	11	3	2200	13.08	112	1.066	105	10.08
32	7	12	4	1700	3.59	80	1.074	74	13.94
33	8	10	1	2200	27.70	24	.888	27	-350.78
34	8	11	2	2000	3.57	13	.812	16	-538.70
35	8	12	3	2000	31.16	294	.802	366	12.84
36	8	13	4	2500	2.29	35	.584	59	13.67
37	9	11	1	2200	143.11	123	.824	149	35.72
38	9	12	2	1700	20.68	92	.809	113	33.95
39	9	13	3	2500	4.06	31	.589	52	21.56
40	9	14	4	2300	1.70	28	.582	48	35.15
41	10	12	1	1700	177.99	197	.968	203	28.93
42	10	13	2	1700	178.01	790	.722	1094	28.95
43	10	14	3	2200	6.53	56	.727	77	29.48
44	10	15	4	1700	1.10	24	.606	39	16.29
45	11	13	1	2400	53.18	42	.680	61	16.18
46	11	14	2	2000	14.59	55	.761	72	29.33
47	11	15	3	1700	1.98	22	.654	33	18.73
48	11	16	4	2200	1.71	29	.781	37	20.95
49	12	14	1	1500	158.01	199	1.070	185	33.69
50	12	15	2	1500	15.48	78	.931	83	24.62

IP data measured of Line-E in Pinanduan Sub-area (2)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 1700	6.99	77	1.102	69	23.19
52	12	17	4 1700	4.31	96	1.432	67	19.24
53	13	15	1 2200	73.39	63	.834	75	28.80
54	13	16	2 2500	18.73	56	1.020	54	23.60
55	13	17	3 2500	9.60	72	1.306	55	16.76
56	14	16	1 2300	77.44	63	1.055	59	37.76
57	14	17	2 2300	15.30	50	1.324	37	25.06
58	15	17	1 1700	48.37	54	.988	54	27.00

IP data measured of Line-F in Pinanduan Sub-area (1)

No.	PI	CI	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tef	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1 1600	48.31	57	.980	58	25.53
2	0	3	2 1400	7.16	39	.753	51	23.52
3	0	4	3 1400	3.62	49	1.158	42	4.14
4	0	5	4 1500	2.87	72	1.229	58	7.88
5	1	3	1 1400	56.60	76	.772	98	53.95
6	1	4	2 1400	14.04	76	1.242	61	23.57
7	1	5	3 1500	6.84	86	1.273	67	20.07
8	1	6	4 1600	1.87	44	1.102	39	13.40
9	2	4	1 1400	115.16	155	1.563	99	31.14
10	2	5	2 1500	30.40	153	1.330	115	22.34
11	2	6	3 1600	5.58	66	1.106	59	18.65
12	2	7	4 1600	2.76	65	1.023	63	16.67
13	3	5	1 1500	80.28	101	.821	123	46.27
14	3	6	2 1600	8.16	38	.708	53	31.87
15	3	7	3 1400	2.82	38	.668	56	25.43
16	3	8	4 1400	1.11	30	.662	45	26.05
17	4	6	1 1400	39.41	53	.882	60	38.59
18	4	7	2 1400	8.28	45	.891	50	25.36
19	4	8	3 1400	2.73	37	.907	40	22.93
20	4	9	4 1400	.85	23	.624	36	31.54
21	5	7	1 1500	80.16	101	.991	101	35.41
22	5	8	2 1500	14.88	75	1.034	72	39.73
23	5	9	3 1500	3.67	46	.727	63	35.70
24	5	10	4 1500	3.33	84	.865	97	20.72
25	6	8	1 1600	183.75	216	.997	216	24.13
26	6	9	2 1600	6.55	31	.728	42	29.63
27	6	10	3 1200	3.67	58	.900	64	23.78
28	6	11	4 1600	2.21	52	1.479	35	21.11
29	7	9	1 1500	31.50	40	.734	54	42.55
30	7	10	2 1200	10.68	67	.977	68	28.18
31	7	11	3 1600	4.99	59	1.566	37	24.94
32	7	12	4 2800	4.36	59	1.531	38	29.09
33	8	10	1 2000	64.44	61	1.262	48	46.49
34	8	11	2 1600	12.82	60	1.773	33	40.75
35	8	12	3 2800	7.75	52	1.539	33	38.15
36	8	13	4 2800	2.73	37	1.317	28	24.46
37	9	11	1 2200	143.11	123	.824	149	35.72
38	9	12	2 2500	60.89	184	.878	209	47.58
39	9	13	3 3900	3.96	19	.739	25	43.73
40	9	14	4 3700	1.61	16	.716	22	45.46
41	10	12	1 2200	154.67	133	.706	188	40.29
42	10	13	2 2800	19.47	52	.652	79	38.94
43	10	14	3 2000	2.40	23	.654	35	39.59
44	10	15	4 2000	1.16	22	.631	34	27.84
45	11	13	1 2800	93.55	63	.912	69	45.72
46	11	14	2 2000	6.32	24	.950	25	56.08
47	11	15	3 2000	1.81	17	.922	18	34.73
48	11	16	4 2000	.84	16	1.053	15	26.25
49	12	14	1 3200	135.75	80	1.030	77	56.16
50	12	15	2 3200	15.96	38	.987	38	55.26

IP data measured of Line-F in Pinanduan Sub-area (2)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resis1 (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 2500	1.59	12	1.104	10	26.30
52	12	17	4 2500	.68	10	.888	11	13.97
53	13	15	1 3800	135.05	67	.917	73	55.51
54	13	16	2 3900	20.20	39	1.026	38	48.07
55	13	17	3 3900	5.01	24	.812	29	21.57
56	14	16	1 3700	174.88	89	1.072	83	56.19
57	14	17	2 3700	13.66	28	.817	34	53.58
58	15	17	1 2600	69.21	50	.772	64	44.18

IP data measured of Line-G in Pinanduan Sub-area (1)

No.	P1	C1	N	Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tef	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1	1000	59.30	112	1.376	81	23.75
2	0	3	2	700	7.43	80	1.337	59	10.87
3	0	4	3	800	2.92	69	1.308	52	8.38
4	0	5	4	1300	1.54	45	1.260	35	23.23
5	1	3	1	700	36.07	97	.882	109	25.49
6	1	4	2	800	8.77	83	.854	97	11.66
7	1	5	3	1300	1.60	23	.812	28	14.97
8	1	6	4	1300	1.59	46	.758	60	13.52
9	2	4	1	800	37.52	88	.991	88	28.78
10	2	5	2	1300	8.20	48	.971	49	17.73
11	2	6	3	1300	2.69	39	.923	42	17.83
12	2	7	4	1000	1.04	39	.839	46	10.54
13	3	5	1	1300	34.53	50	.977	51	34.90
14	3	6	2	1300	5.36	31	.947	32	22.92
15	3	7	3	700	1.31	35	.872	40	14.57
16	3	8	4	700	.25	14	.782	17	16.88
17	4	6	1	600	12.54	39	.967	40	40.03
18	4	7	2	800	3.83	36	.914	39	22.92
19	4	8	3	800	.56	13	.833	15	17.20
20	4	9	4	800	.44	21	.837	25	23.19
21	5	7	1	1300	55.80	81	.941	86	33.73
22	5	8	2	1300	3.65	21	.889	23	20.39
23	5	9	3	1300	1.76	26	.911	28	22.54
24	5	10	4	1300	1.37	40	1.113	35	10.05
25	6	8	1	1300	22.44	33	.935	35	26.05
26	6	9	2	1300	4.54	26	.987	26	23.72
27	6	10	3	1300	2.55	37	1.208	30	14.04
28	6	11	4	1800	1.77	37	1.392	26	13.13
29	7	9	1	1300	43.07	62	1.007	61	61.88
30	7	10	2	1300	6.18	36	1.214	29	27.33
31	7	11	3	1600	7.33	86	1.332	64	27.81
32	7	12	4	2100	2.87	52	1.507	34	14.98
33	8	10	1	1600	95.62	113	1.107	102	44.27
34	8	11	2	2100	11.73	42	1.155	36	21.28
35	8	12	3	2100	4.96	45	1.248	36	23.61
36	8	13	4	2000	1.86	35	1.123	31	21.52
37	9	11	1	1600	32.51	38	.958	39	24.99
38	9	12	2	2100	11.57	42	1.025	40	15.53
39	9	13	3	2000	3.09	29	.902	32	10.53
40	9	14	4	1900	1.30	26	.976	26	3.75
41	10	12	1	1800	177.45	186	1.000	186	37.83
42	10	13	2	1700	13.56	60	.870	68	15.17
43	10	14	3	1700	4.58	51	.933	54	5.34
44	10	15	4	1200	.42	13	.768	16	14.01
45	11	13	1	1700	69.53	77	.845	91	27.21
46	11	14	2	1700	11.34	50	.926	53	7.50
47	11	15	3	1200	.75	12	.764	15	9.09
48	11	16	4	2100	.41	7	.452	15	15.03
49	12	14	1	2100	73.36	66	1.033	63	10.98
50	12	15	2	2100	3.79	14	.853	16	12.16



IP data measured of Line-G in Pinanduan Sub-area (2)

No.	PI	CI	N Curr (mA)	Voltage (mV)	Resis1 (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 2100	1.08	10	.513	19	14.38
52	12	17	4 2100	.86	16	.644	24	8.31
53	13	15	1 2000	16.00	15	.802	18	16.28
54	13	16	2 2000	3.10	12	.514	23	4.16
55	13	17	3 2000	2.10	20	.666	30	8.34
56	14	16	1 1900	33.05	33	.727	45	17.46
57	14	17	2 1900	12.25	49	1.004	48	12.12
58	15	17	1 1300	103.76	150	1.243	120	33.92

IP DATA LIST IN S. IMBAK SUB-AREA

IP data measured of Line-A in S. Imbak Sub-area (1)

No.	PI	CI	N	Curr (mA)	Voltage (mV)	Resis1 (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1	2200	12.14	10	1.006	9	.42
2	0	3	2	3600	6.34	13	1.337	9	1.46
3	0	4	3	3200	2.09	12	1.174	10	.80
4	0	5	4	1750	.31	7	.620	11	1.73
5	1	3	1	3200	17.02	10	1.298	7	.77

LEGEND for the List

- No. : Serial No. of IP data at each point
- PI : Name of a station of potential electrode
- CI : Name of a station of current electrode
- N : N spread
- Curr : Current value (mili ampere)
- Voltage : Received voltage difference in mV between potential dipoles
- Resis1 : Apparent resistivity value in ohm-m before terrain correction
- Tcf : Terrain correction factor
- Resis2 : Apparent resistivity value in ohm-m after terrain correction
- Charge : Chargeability value in mV/V between 820msec and 1050msec

IP data measured of Line-A in S.Imbak Sub-area (1)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1 2200	12.14	10	1.006	9	.42
2	0	3	2 3600	6.34	13	1.337	9	1.46
3	0	4	3 3200	2.09	12	1.174	10	.80
4	0	5	4 1750	.31	7	.620	11	1.73
5	1	3	1 3200	17.02	10	1.298	7	.77
6	1	4	2 2800	3.36	9	1.030	8	.52
7	1	5	3 1750	.45	5	.546	9	25.92
8	1	6	4 1700	.37	8	.580	13	-39.63
9	2	4	1 3200	11.83	7	.776	9	.69
10	2	5	2 2000	1.27	5	.448	11	-5.49
11	2	6	3 2000	.77	7	.496	14	15.66
12	2	7	4 2500	.86	13	.900	14	.63
13	3	5	1 1800	6.37	7	.619	11	1.19
14	3	6	2 1700	2.78	12	.765	15	.53
15	3	7	3 2500	2.66	20	1.410	14	.47
16	3	8	4 2400	.77	12	.748	16	-1.42
17	4	6	1 1800	66.77	70	1.259	55	3.26
18	4	7	2 3200	38.27	90	1.916	46	2.60
19	4	8	3 3200	6.95	41	.905	45	1.90
20	4	9	4 3200	4.08	48	1.507	31	-2.65
21	5	7	1 1750	41.34	45	1.221	36	1.22
22	5	8	2 1750	5.26	23	.516	44	6.79
23	5	9	3 2000	3.17	30	.884	33	-2.48
24	5	10	4 2000	3.75	71	1.145	62	5.32
25	6	8	1 1700	31.78	35	.455	76	3.39
26	6	9	2 2000	14.28	54	.913	59	-1.32
27	6	10	3 2000	8.88	84	1.169	71	10.19
28	6	11	4 1800	2.58	54	.766	70	5.56
29	7	9	1 2500	117.08	88	1.584	55	2.17
30	7	10	2 2500	50.03	151	1.726	87	2.83
31	7	11	3 2500	11.66	88	1.082	81	5.39
32	7	12	4 2500	5.32	80	.728	109	5.81
33	8	10	1 2400	89.76	70	.980	71	3.89
34	8	11	2 2400	12.14	38	.593	64	5.09
35	8	12	3 1700	3.39	38	.408	93	5.15
36	8	13	4 1600	3.13	74	.813	91	6.15
37	9	11	1 2600	36.77	27	.629	42	5.33
38	9	12	2 1700	7.18	32	.504	63	5.61
39	9	13	3 1600	5.00	59	1.053	56	6.61
40	9	14	4 1300	2.22	64	1.173	54	11.54
41	10	12	1 1800	73.34	77	.840	91	5.12
42	10	13	2 1600	28.33	134	1.733	77	8.45
43	10	14	3 1300	9.02	131	1.781	73	14.33
44	10	15	4 1400	2.28	61	.718	84	15.04
45	11	13	1 1600	107.57	127	1.963	64	8.96
46	11	14	2 1300	16.71	97	1.398	69	15.46
47	11	15	3 1400	2.57	35	.517	67	14.39
48	11	16	4 1650	4.02	92	.966	95	12.61
49	12	14	1 1300	41.70	60	.711	84	13.57
50	12	15	2 1400	3.02	16	.272	58	19.66

IP data measured of Line-A in S. Imbak Sub-area (2)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 1700	4.70	52	.556	93	16.05
52	12	17	4 1700	2.06	46	.478	96	11.67
53	13	15	1 1400	18.48	25	.411	60	18.08
54	13	16	2 1600	16.77	79	1.043	75	18.05
55	13	17	3 1600	5.59	66	.899	73	14.75
56	13	18	4 1600	2.52	59	.943	62	17.35
57	14	16	1 1300	117.60	171	1.639	104	19.40
58	14	17	2 1300	19.44	113	1.218	92	18.44
59	14	18	3 1300	6.65	96	1.250	76	19.69
60	14	19	4 1300	3.70	107	1.308	81	19.29
61	15	17	1 1400	47.64	64	.707	90	15.46
62	15	18	2 1400	10.66	57	.745	76	18.88
63	15	19	3 1400	4.99	67	.755	88	17.90
64	16	18	1 1650	88.43	101	1.063	95	13.90
65	16	19	2 1650	31.24	143	1.085	131	14.24
66	17	19	1 1800	123.83	130	1.071	121	12.91

IP data measured of Line-B in S. Imbak Sub-area (1)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1 2800	14.61	10	.815	12	.77
2	0	3	2 2600	3.74	11	.817	13	1.86
3	0	4	3 1650	1.06	12	.896	13	.08
4	0	5	4 1850	.49	10	1.423	7	-.21
5	1	3	1 2600	12.95	9	1.038	8	1.38
6	1	4	2 1750	2.59	3	1.132	2	1.15
7	1	5	3 1850	1.02	10	1.693	5	-1.79
8	1	6	4 2600	1.13	16	1.414	11	-.99
9	2	4	1 1700	10.09	11	1.053	10	-.16
10	2	5	2 1850	2.66	11	1.435	7	1.67
11	2	6	3 2600	2.29	17	1.131	15	-.08
12	2	7	4 1900	.57	11	.619	17	1.71
13	3	5	1 1850	11.91	12	1.233	9	.59
14	3	6	2 2600	6.31	18	.928	19	.92
15	3	7	3 1900	1.13	11	.512	21	1.16
16	3	8	4 1900	.59	12	.483	24	-2.91
17	4	6	1 2600	16.01	12	.563	21	.26
18	4	7	2 1650	1.54	7	.367	19	-.15
19	4	8	3 1650	.75	9	.374	24	-.28
20	4	9	4 1650	.45	10	.668	14	-.55
21	5	7	1 1850	4.72	5	.735	6	.03
22	5	8	2 1850	1.54	6	.790	7	5.08
23	5	9	3 1850	.80	8	1.405	5	-5.48
24	5	10	4 1850	.66	13	1.569	8	-1.00
25	6	8	1 2600	62.85	46	1.077	42	2.07
26	6	9	2 2600	19.34	56	1.736	32	-.40
27	6	10	3 2600	10.17	74	1.730	42	1.66
28	6	11	4 2600	4.08	59	1.102	53	1.04
29	7	9	1 1900	92.65	92	1.358	67	1.40
30	7	10	2 1900	27.88	111	1.136	97	3.65
31	7	11	3 1900	8.77	87	.667	130	6.03
32	7	12	4 1900	1.92	38	.548	69	5.79
33	8	10	1 1900	94.75	94	.883	106	6.68
34	8	11	2 1900	20.52	81	.522	155	9.28
35	8	12	3 1800	4.12	43	.464	92	9.76
36	8	13	4 1700	4.26	94	.860	109	11.53
37	9	11	1 2700	60.80	42	.617	68	4.08
38	9	12	2 1800	8.24	35	.668	52	5.92
39	9	13	3 1700	6.77	75	1.271	59	7.17
40	9	14	4 2000	5.62	106	1.498	70	7.49
41	10	12	1 1800	40.35	42	.697	60	11.74
42	10	13	2 1700	21.98	98	1.450	67	14.51
43	10	14	3 2100	13.67	123	1.605	76	14.26
44	10	15	4 1700	3.93	87	1.003	86	7.36
45	11	13	1 1700	209.55	232	1.810	128	12.29
46	11	14	2 2100	60.28	216	1.480	145	14.41
47	11	15	3 1700	12.60	140	.825	169	8.96
48	11	16	4 1450	4.99	130	.750	173	13.14
49	12	14	1 2100	93.32	84	.761	110	12.98
50	12	15	2 1700	10.67	47	.447	105	8.89

IP data measured of Line-B in S.Imbak Sub-area (2)

No.	PI	CI	N Curr (mA)	Voltage (mV)	Resis1 (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 1800	4.56	48	.432	111	10.40
52	12	17	4 1800	4.11	86	.789	108	13.57
53	13	15	1 1700	52.23	58	.637	91	6.27
54	13	16	2 1700	17.27	77	.708	108	8.80
55	13	17	3 1700	11.47	127	1.315	96	11.45
56	13	18	4 1600	2.52	59	.943	62	17.35
57	14	16	1 2000	135.73	128	1.025	124	9.67
58	14	17	2 2000	54.88	207	1.811	114	11.16
59	14	18	3 2100	8.20	74	.669	110	15.60
60	14	19	4 2100	4.18	75	1.091	68	20.79
61	15	17	1 1700	196.58	218	1.608	135	6.85
62	15	18	2 1700	13.35	59	.491	120	6.98
63	15	19	3 1700	6.60	73	.824	88	14.44
64	16	18	1 1450	26.90	35	.307	114	15.14
65	16	19	2 1450	10.51	55	.633	86	21.71
66	17	19	1 1400	141.81	191	1.618	118	16.03

IP data measured of Line-C in S. Imbak Sub-area (I)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1 1300	220.95	320	1.655	193	7.15
2	0	3	2 1600	6.71	32	1.054	30	2.28
3	0	4	3 1700	7.08	79	1.010	78	3.38
4	0	5	4 1700	1.75	39	1.330	29	1.78
5	1	3	1 1600	7.24	9	.627	14	-.10
6	1	4	2 1700	5.20	23	.651	35	.96
7	1	5	3 1700	1.08	12	.885	13	.10
8	1	6	4 2100	.73	13	.855	15	1.02
9	2	4	1 700	26.03	29	1.011	28	1.06
10	2	5	2 1700	2.56	11	1.409	7	-8.10
11	2	6	3 2100	1.21	11	1.305	8	19.84
12	2	7	4 2800	1.19	16	1.367	11	.44
13	3	5	1 1700	16.76	19	1.023	18	1.33
14	3	6	2 2100	2.33	8	.923	8	.00
15	3	7	3 2700	1.64	11	.963	11	1.53
16	3	8	4 2800	.71	10	.623	16	.29
17	4	6	1 1800	16.97	18	.901	19	.52
18	4	7	2 1700	5.36	24	.961	24	.99
19	4	8	3 1700	1.97	22	.609	36	-1.11
20	4	9	4 1700	1.06	24	.677	35	-2.61
21	5	7	1 1700	11.75	13	1.064	12	.08
22	5	8	2 1700	2.23	10	.680	14	-1.34
23	5	9	3 1700	1.01	11	.777	14	9.44
24	5	10	4 1700	.51	11	.635	17	-5.12
25	6	8	1 2100	8.34	7	.699	10	-.14
26	6	9	2 2100	2.37	9	.854	10	5.46
27	6	10	3 2100	.96	9	.708	12	-.84
28	6	11	4 2100	.93	17	1.050	16	.11
29	7	9	1 2800	73.23	49	1.045	46	2.73
30	7	10	2 2800	15.42	42	.881	47	4.30
31	7	11	3 2800	11.19	75	1.287	58	3.76
32	7	12	4 2800	3.62	49	.881	55	5.26
33	8	10	1 2800	70.76	48	.710	67	7.52
34	8	11	2 2800	38.41	103	1.080	95	7.31
35	8	12	3 2100	8.28	74	.712	103	8.57
36	8	13	4 1600	4.62	109	.762	143	9.48
37	9	11	1 2400	106.72	84	1.579	53	4.87
38	9	12	2 2100	18.19	65	.867	74	6.16
39	9	13	3 1600	8.86	104	.890	116	7.91
40	9	14	4 1300	4.36	127	.914	138	6.83
41	10	12	1 2100	61.58	55	.571	96	4.35
42	10	13	2 1600	20.59	97	.639	151	5.84
43	10	14	3 1300	9.03	131	.676	193	5.64
44	10	15	4 1200	5.78	182	.718	253	8.80
45	11	13	1 1600	97.42	115	1.217	94	4.63
46	11	14	2 1300	31.28	181	1.149	157	4.71
47	11	15	3 1200	17.00	267	1.158	230	7.53
48	11	16	4 1300	5.52	160	1.273	125	8.10
49	12	14	1 1300	50.61	73	.750	97	3.14

IP data measured of Line-C in S.Imbak Sub-area (2)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
50	12	15	2 1200	16.04	101	.792	127	5.07
51	12	16	3 2100	11.34	102	.869	117	10.12
52	12	17	4 2100	7.10	127	.915	138	12.84
53	13	15	1 1200	99.45	156	1.088	143	3.98
54	13	16	2 1600	25.40	120	1.120	107	5.03
55	13	17	3 1600	13.39	158	1.130	139	12.94
56	13	18	4 1600	5.41	128	1.347	95	20.24
57	14	16	1 1300	184.48	267	.910	293	8.71
58	14	17	2 1300	39.96	115	.940	122	10.51
59	14	18	3 1300	11.60	168	1.106	151	15.32
60	14	19	4 1300	2.04	59	1.001	58	20.00
61	15	17	1 1200	292.03	458	1.041	439	11.50
62	15	18	2 1200	38.95	245	1.171	209	22.64
63	15	19	3 1200	5.37	84	1.024	82	23.09
64	16	18	1 1300	210.91	306	1.099	278	16.31
65	16	19	2 1300	9.09	53	.928	57	22.47
66	17	19	1 1300	50.00	73	.847	86	18.71



IP data measured of Line-D in S.Imbak Sub-area (1)

No.	P1	C1	N	Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1	3000	23.84	15	.912	16	.66
2	0	3	2	3000	4.14	10	.903	11	1.06
3	0	4	3	3500	3.22	17	1.127	15	.21
4	0	5	4	3900	1.95	19	1.156	16	.24
5	1	3	1	3000	17.74	11	1.002	10	.29
6	1	4	2	3500	8.33	18	1.232	14	.06
7	1	5	3	3900	3.84	19	1.229	15	.22
8	1	6	4	2900	1.84	24	1.412	16	-.05
9	2	4	1	3500	37.84	20	1.172	17	.45
10	2	5	2	3900	9.66	19	1.089	17	.19
11	2	6	3	2900	3.38	22	1.209	18	1.38
12	2	7	4	2600	1.97	29	.992	29	-.21
13	3	5	1	3900	23.23	11	.962	11	-.09
14	3	6	2	2900	4.60	12	1.050	11	.81
15	3	7	3	2600	2.36	17	.856	19	3.24
16	3	8	4	3500	1.63	18	.909	19	-.82
17	4	6	1	2900	21.73	14	1.094	12	.59
18	4	7	2	3500	9.51	20	.890	22	.19
19	4	8	3	3500	3.85	21	.957	21	-.64
20	4	9	4	3500	1.78	19	.900	21	-4.11
21	5	7	1	3900	34.31	17	.782	21	.39
22	5	8	2	3900	9.53	18	.893	20	.12
23	5	9	3	3900	3.60	17	.848	20	-1.28
24	5	10	4	3900	3.24	31	.800	38	1.40
25	6	8	1	2900	35.81	23	1.151	19	1.81
26	6	9	2	2900	8.38	22	1.063	20	.34
27	6	10	3	2900	6.17	40	1.005	39	1.61
28	6	11	4	2900	1.39	18	.571	31	7.86
29	7	9	1	2600	27.90	20	.862	23	.41
30	7	10	2	2600	15.87	46	.856	53	1.13
31	7	11	3	2600	3.06	22	.492	44	9.26
32	7	12	4	2600	2.36	34	.917	37	11.03
33	8	10	1	3500	87.17	47	.994	47	1.01
34	8	11	2	3500	11.46	25	.587	42	7.34
35	8	12	3	1600	3.62	43	1.120	38	8.62
36	8	13	4	1500	1.47	37	1.090	33	14.69
37	9	11	1	3400	65.68	36	.668	53	7.70
38	9	12	2	1600	14.02	66	1.318	50	8.98
39	9	13	3	1450	16.72	217	1.216	178	10.45
40	9	14	4	1200	1.17	37	.947	39	15.16
41	10	12	1	1600	93.01	110	1.550	70	14.64
42	10	13	2	1500	20.85	105	1.221	85	18.91
43	10	14	3	1200	4.37	69	.930	74	21.36
44	10	15	4	1150	1.61	53	1.359	38	20.23
45	11	13	1	1500	31.03	39	.693	56	27.59
46	11	14	2	1350	5.23	29	.567	51	29.23
47	11	15	3	1350	5.18	72	.832	86	21.93
48	11	16	4	1400	.50	14	.645	21	89.52
49	12	14	1	1350	22.35	31	.853	36	30.42
50	12	15	2	1350	26.35	147	1.309	112	32.63

IP data measured of Line-D in S.Imbak Sub-area (2)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 1600	1.26	15	1.012	14	44.97
52	12	17	4 1600	.77	18	1.385	12	11.25
53	13	15	1 1200	99.45	156	1.088	143	3.98
54	13	16	2 1500	2.68	14	1.013	13	34.07
55	13	17	3 1500	1.08	13	1.359	9	34.39
56	13	18	4 1450	1.99	52	.968	53	27.98
57	14	16	1 1200	8.86	14	.673	20	31.65
58	14	17	2 1200	1.80	11	.961	11	19.06
59	14	18	3 1200	.95	15	.679	22	14.61
60	14	19	4 1200	.26	8	.768	10	22.01
61	15	17	1 1150	20.67	34	1.562	21	22.66
62	15	18	2 1300	4.74	28	.965	29	20.15
63	15	19	3 1300	1.01	15	1.105	13	27.54
64	16	18	1 1200	8.80	14	.613	22	15.43
65	16	19	2 1200	1.01	7	.776	9	16.59
66	17	19	1 1200	11.57	18	1.173	15	20.06

IP data measured of Line-E in S.Imbak Sub-area (1)

No.	PI	CI	N Curr (mA)	Voltage (mV)	Resis1 (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1 1500	13.19	17	.912	18	.65
2	0	3	2 2100	4.81	17	.974	17	.25
3	0	4	3 2700	2.85	20	1.031	19	-7.37
4	0	5	4 2800	1.84	25	.872	28	-1.24
5	1	3	1 2100	16.98	15	1.001	14	.85
6	1	4	2 2700	5.45	15	1.056	14	.53
7	1	5	3 2800	2.65	18	.888	20	.18
8	1	6	4 2600	2.06	30	1.059	28	.22
9	2	4	1 2700	26.69	19	.988	19	.81
10	2	5	2 2800	7.67	21	.842	24	-1.06
11	2	6	3 2600	4.33	31	1.016	30	-.60
12	2	7	4 3000	8.59	108	1.209	89	-.37
13	3	5	1 2800	35.61	24	.856	28	.20
14	3	6	2 2600	11.10	32	1.072	29	.02
15	3	7	3 2600	5.39	39	1.243	31	1.48
16	3	8	4 2700	2.77	39	1.130	34	2.20
17	4	6	1 2600	58.31	42	1.233	34	1.18
18	4	7	2 2700	13.52	38	1.301	29	.57
19	4	8	3 2700	4.79	33	1.144	28	.24
20	4	9	4 2700	2.60	36	1.059	33	3.66
21	5	7	1 2800	71.00	48	1.055	45	-.27
22	5	8	2 2800	15.10	41	.907	45	2.04
23	5	9	3 2800	6.69	45	.835	53	3.99
24	5	10	4 2800	2.59	35	.602	58	13.27
25	6	8	1 2600	171.69	124	.835	148	8.87
26	6	9	2 2600	21.74	63	.818	77	4.85
27	6	10	3 2600	7.16	52	.616	84	14.96
28	6	11	4 2600	3.00	43	.741	58	23.15
29	7	9	1 2600	132.03	96	1.028	93	2.59
30	7	10	2 2600	33.78	98	.798	122	11.98
31	7	11	3 2600	11.50	83	.969	85	20.93
32	7	12	4 2600	3.67	53	1.818	29	31.30
33	8	10	1 2700	123.78	86	.750	114	7.97
34	8	11	2 2700	33.98	95	.975	97	16.94
35	8	12	3 1700	5.79	64	1.755	36	27.67
36	8	13	4 2000	1.50	28	.985	28	30.98
37	9	11	1 2400	203.99	160	1.302	122	10.20
38	9	12	2 1700	27.43	122	1.945	62	21.02
39	9	13	3 2000	4.66	44	.980	44	26.10
40	9	14	4 2000	1.38	13	.700	18	30.14
41	10	12	1 1700	94.06	104	1.211	85	22.37
42	10	13	2 2000	8.48	32	.557	57	25.24
43	10	14	3 2000	2.10	20	.422	47	28.99
44	10	15	4 1700	.69	15	.465	32	35.40
45	11	13	1 2000	28.40	27	.488	55	31.89
46	11	14	2 2000	4.64	18	.423	42	35.14
47	11	15	3 1700	1.41	16	.488	32	38.88
48	11	16	4 1400	.84	23	1.047	21	34.03
49	12	14	1 2000	17.76	17	.988	17	27.45
50	12	15	2 1700	3.98	18	1.119	16	30.94

IP data measured of Line-E in S. Imbak Sub-area (2)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resist (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (nV/V)
51	12	16	3 1700	2.35	26	2.265	11	34.45
52	12	17	4 1700	.51	11	.884	12	25.42
53	13	15	1 1700	21.64	24	.900	26	30.87
54	13	16	2 2000	7.21	27	1.705	15	27.39
55	13	17	3 2000	1.03	10	.583	17	31.14
56	13	18	4 2000	.59	12	.923	13	26.74
57	14	16	1 2000	31.79	30	1.478	20	25.88
58	14	17	2 2000	1.87	7	.427	16	26.54
59	14	18	3 2000	.70	7	.718	9	13.29
60	14	19	4 2000	.31	6	.546	10	23.00
61	15	17	1 1700	4.76	5	.291	17	27.03
62	15	18	2 1700	1.11	5	.629	7	32.60
63	15	19	3 1700	.45	5	.490	10	24.20
64	16	18	1 1400	38.50	53	1.431	37	21.96
65	16	19	2 1400	7.23	38	1.049	36	23.61
66	17	19	1 1600	41.70	46	.702	65	23.82

IP data measured of Line-F in S.Imbak Sub-area (1)

No.	PI	CI	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1 1800	32.93	34	1.128	30	1.77
2	0	3	2 1500	8.26	42	.951	44	2.96
3	0	4	3 1300	2.48	36	1.733	20	3.96
4	0	5	4 1600	.99	23	1.260	18	-3.53
5	1	3	1 1500	22.98	29	.840	34	2.15
6	1	4	2 1300	3.89	23	1.502	15	4.38
7	1	5	3 1600	1.26	15	1.012	14	.10
8	1	6	4 1900	.78	15	.781	19	-30.81
9	2	4	1 1300	47.88	69	1.628	42	5.57
10	2	5	2 1600	8.00	38	.880	43	-2.62
11	2	6	3 1900	3.13	31	.695	44	-3.38
12	2	7	4 1800	1.76	37	.461	80	-7.25
13	3	5	1 1600	103.25	122	.579	210	11.40
14	3	6	2 1900	25.03	99	.524	188	4.59
15	3	7	3 1500	9.04	114	.358	318	1.31
16	3	8	4 1500	5.25	132	.515	256	26.57
17	4	6	1 1900	39.96	40	.934	42	1.78
18	4	7	2 1300	9.24	54	.687	78	-1.69
19	4	8	3 1300	4.83	70	1.027	68	23.69
20	4	9	4 1300	1.31	38	1.384	27	40.77
21	5	7	1 1600	59.42	70	.822	85	-.52
22	5	8	2 1600	19.93	94	1.216	77	22.58
23	5	9	3 1600	3.17	37	1.520	24	32.20
24	5	10	4 1600	.90	21	1.475	14	34.70
25	6	8	1 1900	136.72	136	1.208	112	22.26
26	6	9	2 1900	11.05	44	1.369	32	39.00
27	6	10	3 1900	2.33	23	1.256	18	38.58
28	6	11	4 1900	.30	6	.919	6	38.97
29	7	9	1 2100	41.80	38	.943	40	39.54
30	7	10	2 2100	5.13	18	.869	20	45.19
31	7	11	3 2100	.53	5	.606	8	46.64
32	7	12	4 2100	.92	17	.964	17	21.49
33	8	10	1 1800	18.41	19	.864	21	72.14
34	8	11	2 1800	.86	4	.631	6	74.75
35	8	12	3 2000	1.18	11	1.052	10	47.54
36	8	13	4 1600	.43	10	.663	15	60.94
37	9	11	1 1800	4.33	5	.772	6	73.53
38	9	12	2 2000	2.05	8	1.366	5	51.76
39	9	13	3 1600	.56	7	.816	8	53.11
40	9	14	4 1150	.08	3	.591	5	152.79
41	10	12	1 2300	22.73	19	1.154	16	46.61
42	10	13	2 1900	2.34	9	.684	13	46.46
43	10	14	3 1350	.24	3	.532	5	49.72
44	10	15	4 2700	2.77	39	1.130	34	2.20
45	11	13	1 1900	3.40	3	.577	5	36.71
46	11	14	2 2700	13.52	38	1.301	29	.57
47	11	15	3 2700	4.79	33	1.144	28	.24
48	11	16	4 2700	2.60	36	1.059	33	3.66
49	12	14	1 1350	10.95	15	.845	17	38.55
50	12	15	2 1400	.62	3	.514	5	-7.23

IP data measured of Line-F in S.Imbak Sub-area (2)

No.	PI	CI	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 2300	.76	6	1.272	4	20.19
52	12	17	4 2300	.49	8	1.811	4	20.81
53	13	15	1 1400	4.97	7	.871	8	26.21
54	13	16	2 1900	3.21	13	1.686	7	23.66
55	13	17	3 1900	1.51	15	1.922	7	25.37
56	13	18	4 1900	.99	20	2.229	8	25.29
57	14	16	1 1350	260.91	364	1.399	260	23.75
58	14	17	2 1350	17.65	99	1.320	74	20.67
59	14	18	3 1350	6.34	89	1.371	64	22.03
60	14	19	4 1350	1.30	36	1.126	31	23.00
61	15	17	1 1400	50.25	68	.902	75	18.07
62	15	18	2 1400	5.44	29	.892	32	22.36
63	15	19	3 1400	.88	12	.710	16	22.78
64	16	18	1 2000	58.55	55	1.020	53	22.98
65	16	19	2 2000	5.31	20	.857	23	20.68
66	17	19	1 2100	25.12	23	.726	31	19.74

IP data measured of Line-G in S. Imbak Sub-area (1)

No.	PI	CI	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1 4000	16.37	8	.828	9	.51
2	0	3	2 2900	3.33	9	.964	9	.56
3	0	4	3 2400	1.03	8	.983	8	1.19
4	0	5	4 1800	.33	7	.865	8	.03
5	1	3	1 2900	11.41	7	1.167	5	.29
6	1	4	2 2400	2.20	7	1.135	6	.18
7	1	5	3 1800	.58	6	.989	6	1.03
8	1	6	4 1700	.34	8	.984	8	-5.37
9	2	4	1 2600	10.06	7	.946	7	.66
10	2	5	2 1800	1.64	7	.834	8	.21
11	2	6	3 1700	.76	8	.843	9	-.26
12	2	7	4 2100	.46	8	.783	10	.54
13	3	5	1 1800	7.33	8	.968	8	.92
14	3	6	2 1700	2.11	9	.989	9	-2.25
15	3	7	3 2100	1.02	9	.916	9	.89
16	3	8	4 2000	.52	10	1.189	8	-1.60
17	4	6	1 1700	9.10	10	1.041	9	.35
18	4	7	2 2080	2.38	9	.958	9	-.09
19	4	8	3 1960	.99	10	1.238	8	.62
20	4	9	4 2000	.40	8	.952	8	1.46
21	5	7	1 1880	8.79	9	.969	9	1.05
22	5	8	2 1880	2.10	8	1.223	6	-.66
23	5	9	3 1900	.71	7	.920	7	-12.26
24	5	10	4 1900	.32	6	1.134	5	2.35
25	6	8	1 1750	23.93	26	1.147	22	-3.16
26	6	9	2 1750	2.15	9	.846	10	-5.86
27	6	10	3 1750	.76	8	1.049	7	-.23
28	6	11	4 1750	.49	11	1.275	8	-.30
29	7	9	1 1700	16.79	19	.734	25	-1.48
30	7	10	2 1700	2.19	10	.964	10	-.64
31	7	11	3 2100	1.19	11	1.159	9	1.37
32	7	12	4 2100	3.53	63	1.181	53	2.11
33	8	10	1 1600	46.96	55	1.233	44	1.88
34	8	11	2 1950	5.46	21	1.395	15	-.56
35	8	12	3 1950	9.32	90	1.354	66	1.85
36	8	13	4 2100	9.39	169	.841	200	1.93
37	9	11	1 2000	27.07	26	.907	28	-.09
38	9	12	2 2000	19.67	74	.875	84	4.12
39	9	13	3 2100	18.20	163	.545	299	2.48
40	9	14	4 1600	.90	21	.617	34	6.58
41	10	12	1 2000	59.19	56	.950	58	2.50
42	10	13	2 1600	8.23	39	.612	63	6.47
43	10	14	3 1600	1.90	22	.726	30	6.73
44	10	15	4 2000	.85	16	.637	25	2.15
45	11	13	1 1600	42.70	50	.635	78	9.18
46	11	14	2 1600	7.75	37	.858	43	9.59
47	11	15	3 2000	3.33	31	.769	40	.87
48	11	16	4 2500	2.93	44	1.058	41	5.49
49	12	14	1 1600	127.97	151	1.177	128	10.56
50	12	15	2 2000	37.25	140	1.027	136	5.45

IP data measured of Line-G in S.Imbak Sub-area (2)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 2500	31.49	237	1.381	171	3.77
52	12	17	4 2700	16.09	225	1.104	203	4.82
53	13	15	1 2000	61.71	58	.861	67	8.56
54	13	16	2 2500	25.83	78	1.133	68	6.14
55	13	17	3 2700	11.98	84	.856	98	8.17
56	13	18	4 1600	5.15	121	.661	183	14.61
57	14	16	1 1600	55.59	65	1.202	54	1.99
58	14	17	2 1600	10.52	50	.867	57	1.05
59	14	18	3 1600	5.42	64	.682	93	5.03
60	14	19	4 1600	3.28	77	1.047	73	17.17
61	15	17	1 2000	43.52	41	.666	61	-.13
62	15	18	2 2000	12.63	48	.580	82	4.58
63	15	19	3 2000	7.68	72	.912	78	13.82
64	16	18	1 2500	121.75	92	.776	118	8.39
65	16	19	2 2500	57.39	173	1.283	134	14.14
66	17	19	1 2700	358.82	251	1.473	170	25.67



IP data measured of Line-II in S.Imbak Sub-area (1)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resis1 (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1 2600	17.14	12	1.135	10	1.07
2	0	3	2 2500	3.57	11	.968	11	1.20
3	0	4	3 4250	1.78	8	.924	8	1.48
4	0	5	4 2700	.63	9	.828	10	4.25
5	1	3	1 2500	14.04	11	.887	12	.76
6	1	4	2 4200	4.32	8	.871	9	.20
7	1	5	3 2700	1.28	9	.792	11	-.05
8	1	6	4 2400	.58	9	1.084	8	5.45
9	2	4	1 4200	16.49	7	1.003	6	.83
10	2	5	2 2700	3.42	10	.933	10	-.04
11	2	6	3 2400	1.25	10	1.275	7	-1.70
12	2	7	4 1800	.56	12	1.186	10	1.65
13	3	5	1 2700	16.38	11	1.000	11	.43
14	3	6	2 2400	3.40	11	1.308	8	1.78
15	3	7	3 3100	1.98	12	1.164	10	.79
16	3	8	4 2090	.65	12	1.243	9	-.46
17	4	6	1 2400	11.01	9	1.327	6	.57
18	4	7	2 3100	3.70	9	1.059	8	.78
19	4	8	3 3600	1.59	8	1.113	7	1.20
20	4	9	4 4100	.68	6	1.021	5	.50
21	5	7	1 2250	12.25	10	.808	12	.24
22	5	8	2 2250	2.68	9	.882	10	-.20
23	5	9	3 2650	.92	7	.811	8	-.14
24	5	10	4 2650	.62	9	.893	10	-1.01
25	6	8	1 1600	6.89	8	1.188	6	.69
26	6	9	2 1900	1.55	6	1.046	5	.16
27	6	10	3 1900	.81	8	1.149	6	.67
28	6	11	4 1900	.49	10	.903	11	2.31
29	7	9	1 2600	7.98	6	.919	6	.20
30	7	10	2 2600	2.88	8	1.025	7	-.19
31	7	11	3 2500	1.41	11	.804	13	1.69
32	7	12	4 2500	1.05	16	.864	18	1.42
33	8	10	1 4800	28.89	11	1.115	9	.34
34	8	11	2 4800	8.17	13	.859	15	.67
35	8	12	3 4800	4.79	19	.935	20	1.11
36	8	13	4 2700	2.10	29	.998	29	1.43
37	9	11	1 2800	16.02	11	.812	13	.79
38	9	12	2 2200	4.28	15	.927	16	1.17
39	9	13	3 2700	3.69	26	.985	26	1.08
40	9	14	4 2500	2.96	45	.848	53	5.72
41	10	12	1 2200	20.07	17	1.142	14	1.00
42	10	13	2 2700	11.02	31	1.164	26	1.20
43	10	14	3 2500	7.50	57	.990	57	5.39
44	10	15	4 2000	.81	15	.946	15	-.64
45	11	13	1 2700	46.44	32	1.001	31	1.88
46	11	14	2 2500	20.78	63	.837	75	5.48
47	11	15	3 2000	1.90	18	.805	22	-1.60
48	11	16	4 1700	.72	16	.758	21	-4.73
49	12	14	1 2500	91.64	69	.826	83	6.97
50	12	15	2 2000	5.84	22	.843	26	1.77

IP data measured of Line-II in S.Imbak Sub-area (2)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 2100	2.18	20	.799	25	-2.30
52	12	17	4 2100	1.50	27	.942	28	2.24
53	13	15	1 2000	62.16	59	.987	59	6.85
54	13	16	2 2400	17.37	54	.942	57	3.05
55	13	17	3 2400	9.26	73	1.093	66	3.65
56	13	18	4 2400	2.86	45	1.060	42	4.32
57	14	16	1 2250	81.44	68	1.028	66	6.82
58	14	17	2 2250	32.75	110	1.116	98	8.34
59	14	18	3 2250	8.55	72	1.036	69	8.29
60	14	19	4 2250	6.49	109	1.071	101	15.80
61	15	17	1 1800	49.89	52	1.079	48	1.63
62	15	18	2 1800	7.42	31	.963	32	.21
63	15	19	3 1800	3.98	42	.980	42	3.87
64	16	18	1 1550	50.27	61	.902	67	1.02
65	16	19	2 1550	17.44	85	.921	92	6.47
66	17	19	1 2000	139.07	131	1.035	126	8.54

IP data measured of Line-I in S. Imbak Sub-area (1)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resis1 (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1 2300	10.76	9	1.025	8	.69
2	0	3	2 3000	3.36	8	1.022	7	.14
3	0	4	3 4000	2.02	9	1.076	8	.35
4	0	5	4 4400	1.04	9	1.328	6	-.29
5	1	3	1 3000	16.16	10	.874	11	.74
6	1	4	2 4000	5.87	11	.950	11	.37
7	1	5	3 4400	2.36	10	1.158	8	.85
8	1	6	4 3500	1.02	11	1.279	8	.14
9	2	4	1 2520	14.63	11	1.067	10	.70
10	2	5	2 2800	3.50	9	1.247	7	.42
11	2	6	3 2200	1.17	10	1.303	7	2.26
12	2	7	4 1500	.44	11	1.158	9	2.12
13	3	5	1 2800	11.81	8	1.259	6	.45
14	3	6	2 3000	3.64	9	1.171	7	-3.64
15	3	7	3 3000	1.60	10	1.015	9	10.59
16	3	8	4 2090	.65	12	1.243	9	-.46
17	4	6	1 4000	21.12	10	.963	10	.83
18	4	7	2 4000	5.24	10	.846	11	1.23
19	4	8	3 4000	1.86	9	.756	11	-3.00
20	4	9	4 4000	.92	9	.751	11	-.60
21	5	7	1 4400	19.51	8	.873	9	.21
22	5	8	2 4400	4.28	7	.827	8	.79
23	5	9	3 4400	1.75	7	.838	8	.09
24	5	10	4 4500	1.01	8	.873	9	1.00
25	6	8	1 3500	12.63	7	1.005	6	.46
26	6	9	2 3500	3.43	7	1.020	6	.36
27	6	10	3 4000	1.86	9	1.060	8	.57
28	6	11	4 1900	.30	6	1.052	5	38.97
29	7	9	1 2440	12.13	9	1.052	8	-.07
30	7	10	2 2870	3.94	10	1.067	9	.39
31	7	11	3 2100	.53	5	1.039	4	46.64
32	7	12	4 2100	.92	5	1.203	4	21.49
33	8	10	1 2100	11.54	10	.976	10	.84
34	8	11	2 1800	.86	4	.952	4	74.75
35	8	12	3 1800	1.07	4	1.096	3	42.89
36	8	13	4 2600	1.13	16	1.053	15	.82
37	9	11	1 1800	4.33	5	.947	5	73.53
38	9	12	2 1800	1.87	4	1.099	3	54.97
39	9	13	3 2600	3.71	27	1.036	26	3.74
40	9	14	4 2250	1.03	17	1.049	16	2.65
41	10	12	1 2200	13.91	12	1.089	11	.81
42	10	13	2 2600	2.65	8	1.001	7	-12.80
43	10	14	3 2250	1.86	16	1.006	15	-1.08
44	10	15	4 3600	1.18	12	.804	14	6.24
45	11	13	1 2600	18.02	13	.920	14	1.35
46	11	14	2 2000	3.59	14	.939	14	1.26
47	11	15	3 2000	1.07	10	.756	13	1.99
48	11	16	4 2150	.40	7	.818	8	.03
49	12	14	1 2200	13.79	12	1.000	12	.53
50	12	15	2 2200	.61	2	.826	2	-28.73

IP data measured of Line-I in S.Imbak Sub-area (2)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 2300	1.14	9	.907	9	.14
52	12	17	4 2300	.49	8	.863	9	-2.25
53	13	15	1 2600	20.66	15	.805	18	3.96
54	13	16	2 3100	3.78	9	.934	9	-1.71
55	13	17	3 3100	2.09	13	.887	14	-2.72
56	13	18	4 2600	1.15	17	1.039	16	-1.23
57	14	16	1 3400	32.32	18	1.176	15	.01
58	14	17	2 3400	8.82	20	1.040	19	.31
59	14	18	3 3100	4.38	27	1.184	22	.08
60	14	19	4 3100	1.44	18	1.046	17	-2.63
61	15	17	1 3100	44.14	27	.846	31	1.84
62	15	18	2 3100	17.43	42	.982	42	2.15
63	15	19	3 3100	3.98	24	.856	28	1.42
64	15	20	4 1550	50.27	61	.902	67	1.02
65	16	18	1 2400	54.93	43	1.076	39	.88
66	16	19	2 2150	8.45	30	.926	32	.51
67	16	20	3 2000	4.66	44	.980	44	26.10
68	16	21	4 1750	1.74	38	.921	41	5.14
69	17	19	1 2150	36.63	32	.857	37	.82
70	17	20	2 1440	8.50	45	.685	65	3.68
71	17	21	3 1750	3.73	40	.899	44	3.37
72	17	22	4 1500	6.11	154	.899	171	4.08
73	18	20	1 1440	34.29	45	.871	51	4.34
74	18	21	2 1300	12.26	71	1.138	62	8.17
75	18	22	3 1500	14.20	178	1.095	162	3.25
76	18	23	4 3600	2.88	30	.778	38	9.15
77	19	21	1 2700	381.07	266	1.192	223	15.31
78	19	22	2 2700	169.83	474	1.066	444	13.05
79	19	23	3 2700	10.07	70	.746	93	15.09
80	19	24	4 2700	4.15	58	1.656	35	21.06
81	20	22	1 1900	1460.25	1449	.898	1613	21.34
82	20	23	2 1900	26.44	105	.641	163	21.32
83	20	24	3 1900	8.93	89	1.404	63	24.72
84	21	23	1 1350	50.24	70	.674	103	26.07
85	21	24	2 1350	10.09	56	1.552	36	31.22
86	22	24	1 1500	124.49	156	1.943	80	28.60

IP data measured of Line-J in S.Imbak Sub-area (1)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resis1 (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
1	0	2	1 940	7.25	15	.849	17	1.28
2	0	3	2 670	.00	14	.905	15	2.46
3	0	4	3 1260	1.06	16	1.053	15	2.76
4	0	5	4 2820	1.12	15	1.067	14	-.87
5	1	3	1 670	4.58	13	1.047	12	.55
6	1	4	2 1270	2.49	15	1.182	12	.86
7	1	5	3 2820	2.14	14	1.169	11	5.88
8	1	6	4 2100	.79	14	1.049	13	13.79
9	2	4	1 1260	7.65	11	1.013	10	1.02
10	2	5	2 2800	4.38	12	.994	12	.98
11	2	6	3 1280	.82	12	.897	13	.96
12	2	7	4 1280	.39	12	.957	12	-3.07
13	3	5	1 2750	14.94	10	.956	10	.95
14	3	6	2 900	1.39	12	.879	13	1.68
15	3	7	3 950	.51	10	.933	10	.00
16	3	8	4 940	.24	10	1.072	9	-.11
17	4	6	1 4000	21.12	10	.963	10	.83
18	4	7	2 1800	2.11	9	1.065	8	.57
19	4	8	3 1750	.87	9	1.203	7	.67
20	4	9	4 1750	.32	7	1.085	6	-1.56
21	5	7	1 2700	15.13	11	1.121	9	1.14
22	5	8	2 3170	4.22	10	1.204	8	.58
23	5	9	3 3160	1.17	7	1.061	6	1.04
24	5	10	4 3170	.65	8	.927	8	1.55
25	6	8	1 2570	23.25	17	.973	17	1.30
26	6	9	2 2550	3.64	11	.865	12	1.31
27	6	10	3 2550	1.54	11	.766	14	1.08
28	6	11	4 2550	.76	11	.746	14	1.83
29	7	9	1 2320	14.63	12	.904	13	1.43
30	7	10	2 2320	3.54	12	.828	14	1.97
31	7	11	3 2330	1.39	11	.816	13	1.61
32	7	12	4 4650	1.89	15	.938	15	1.16
33	8	10	1 3250	17.94	10	.973	10	.69
34	8	11	2 2900	4.16	11	.971	11	.74
35	8	12	3 4650	.00	15	1.103	13	1.01
36	8	13	4 3000	1.47	18	1.131	15	1.90
37	9	11	1 2900	14.31	19	.983	19	.23
38	9	12	2 4650	7.50	12	1.109	10	1.92
39	9	13	3 3000	2.15	9	1.116	8	1.16
40	9	14	4 2550	.74	11	.951	11	.84
41	10	12	1 3600	33.51	18	1.054	17	3.26
42	10	13	2 2700	4.26	12	1.035	11	1.48
43	10	14	3 2200	1.15	10	.869	11	1.85
44	10	15	4 3150	.56	7	1.037	6	-.99
45	11	13	1 2700	12.30	17	.984	17	.02
46	11	14	2 2200	2.03	7	.829	8	.10
47	11	15	3 3150	.85	3	.996	3	4.38
48	11	16	4 2350	.32	5	.971	5	-5.16
49	12	14	1 3750	14.18	7	.867	8	.35
50	12	15	2 3750	2.81	6	1.076	5	.22

IP data measured of Line-J in S. Imbak Sub-area (2)

No.	P1	C1	N Curr (mA)	Voltage (mV)	Resisl (ohm-m)	Tcf	Resis2 (ohm-m)	Charge. (mV/V)
51	12	16	3 3600	1.21	6	1.044	5	1.33
52	12	17	4 3600	.67	2	1.085	1	-.37
53	13	15	1 2850	44.93	30	1.136	26	6.63
54	13	16	2 3650	4.52	9	1.068	8	1.15
55	13	17	3 3650	2.06	4	1.089	3	1.50
56	13	18	4 2450	.62	10	1.099	9	2.32
57	14	16	1 3000	17.36	11	.905	12	.61
58	14	17	2 3000	4.61	6	.924	6	.31
59	14	18	3 2350	1.26	10	.928	10	2.31
60	14	19	4 2350	.86	14	.754	18	-5.64
61	15	17	1 3200	17.76	10	1.051	9	.76
62	15	18	2 3200	3.82	9	1.046	8	.06
63	15	19	3 3200	2.04	12	.844	14	-1.96
64	15	20	4 2700	.93	13	.831	15	-2.45
65	16	18	1 2000	10.30	10	.935	10	-.17
66	16	19	2 2000	3.33	13	.776	16	-1.05
67	16	20	3 2100	.90	8	.779	10	-1.65
68	16	21	4 1750	1.74	38	.921	41	5.14
69	17	19	1 2000	19.98	19	.831	22	.87
70	17	20	2 2750	6.17	17	.874	19	-.77
71	17	21	3 2100	2.64	24	.890	26	-1.39
72	17	22	4 2000	2.31	44	1.038	42	3.81
73	18	20	1 2750	30.53	21	.992	21	-.87
74	18	21	2 2100	8.57	31	1.003	30	-2.81
75	18	22	3 2000	5.79	55	1.151	47	2.52
76	18	23	4 2100	3.78	68	1.203	56	9.10
77	19	21	1 2000	62.88	59	.962	61	1.28
78	19	22	2 2000	29.17	110	1.081	101	3.83
79	19	23	3 2000	14.78	139	1.083	128	6.84
80	19	24	4 2000	9.35	58	.923	62	10.27
81	20	22	1 2750	245.46	168	1.047	160	4.56
82	20	23	2 2700	72.74	203	1.022	198	10.70
83	20	24	3 2700	30.28	84	.855	98	12.30
84	21	23	1 2100	230.08	207	1.010	204	12.72
85	21	24	2 2100	48.80	87	.827	105	15.27
86	22	24	1 2000	195.28	184	.838	219	24.41

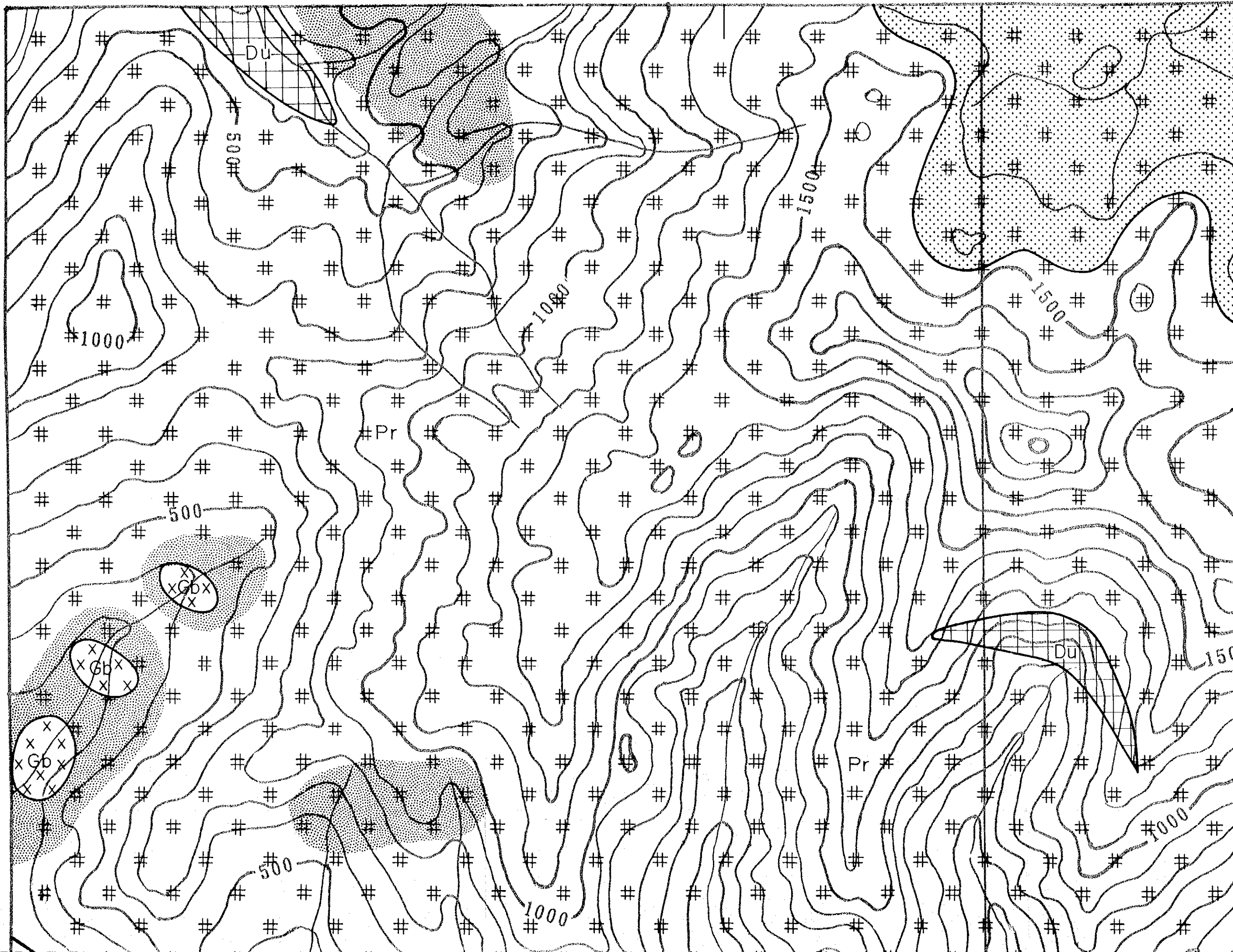


E4682

E4685

N1505

B

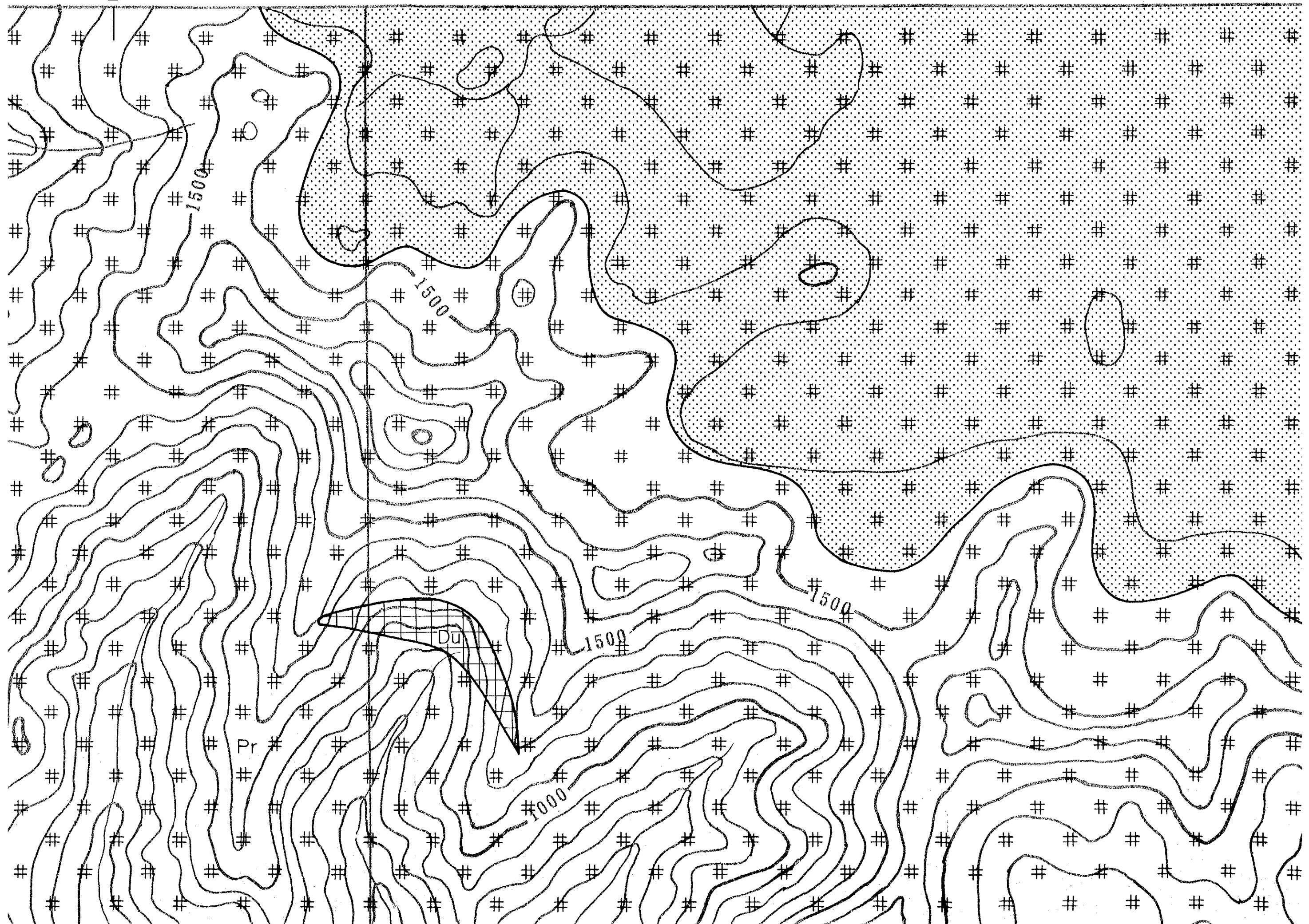




B

D

B.



E4688

N1505

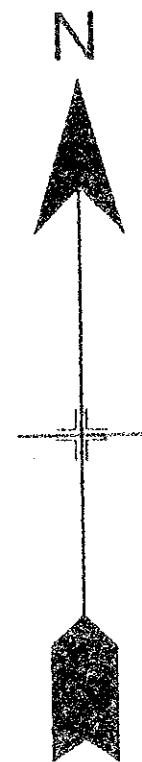
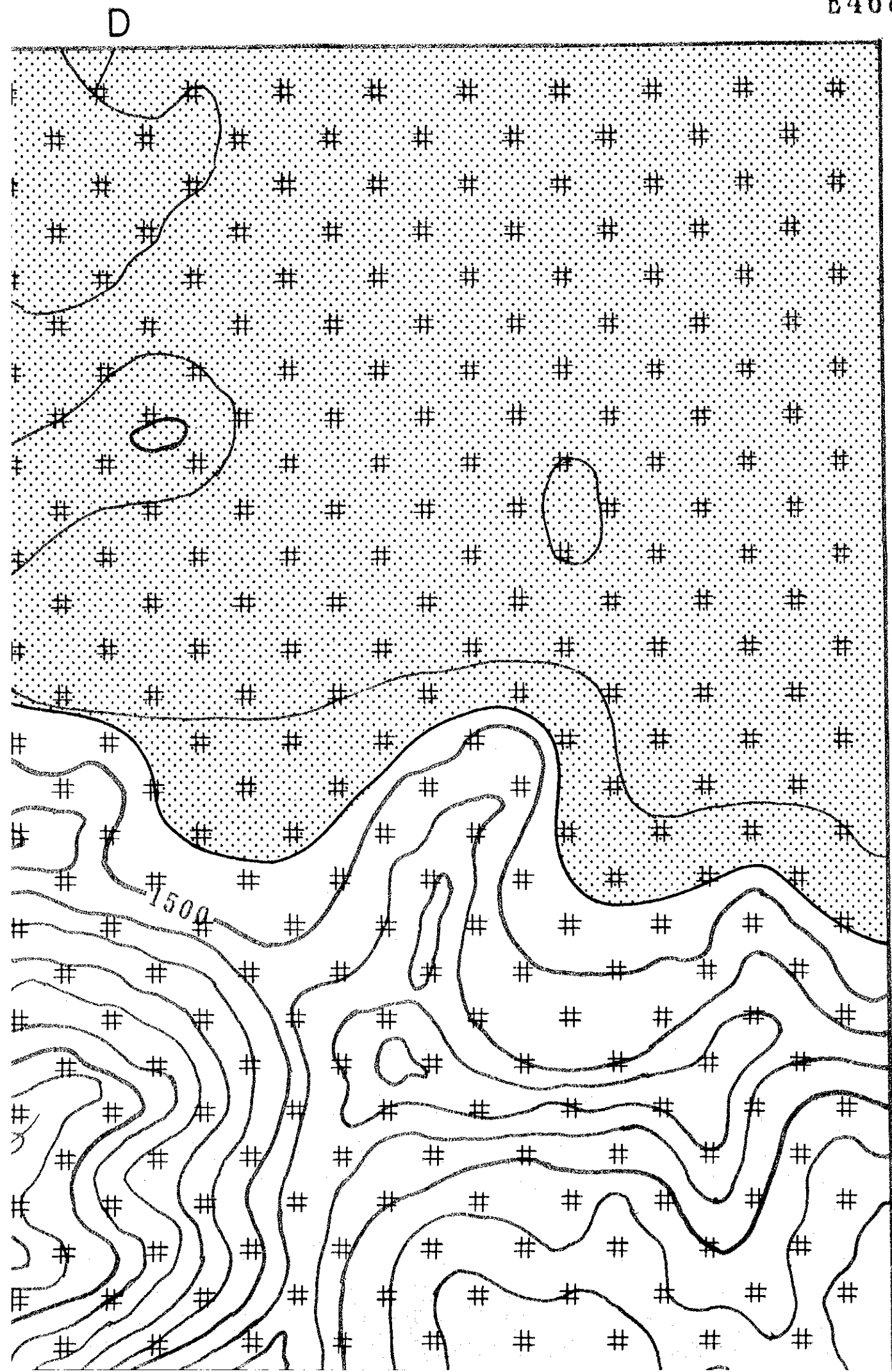
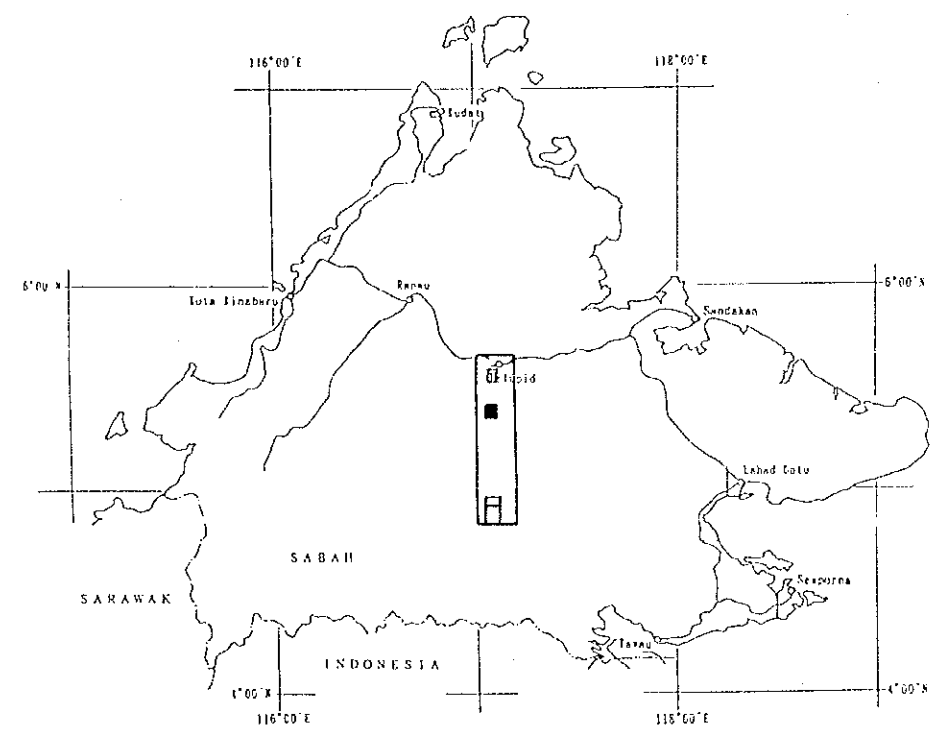
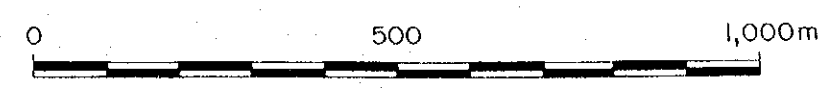


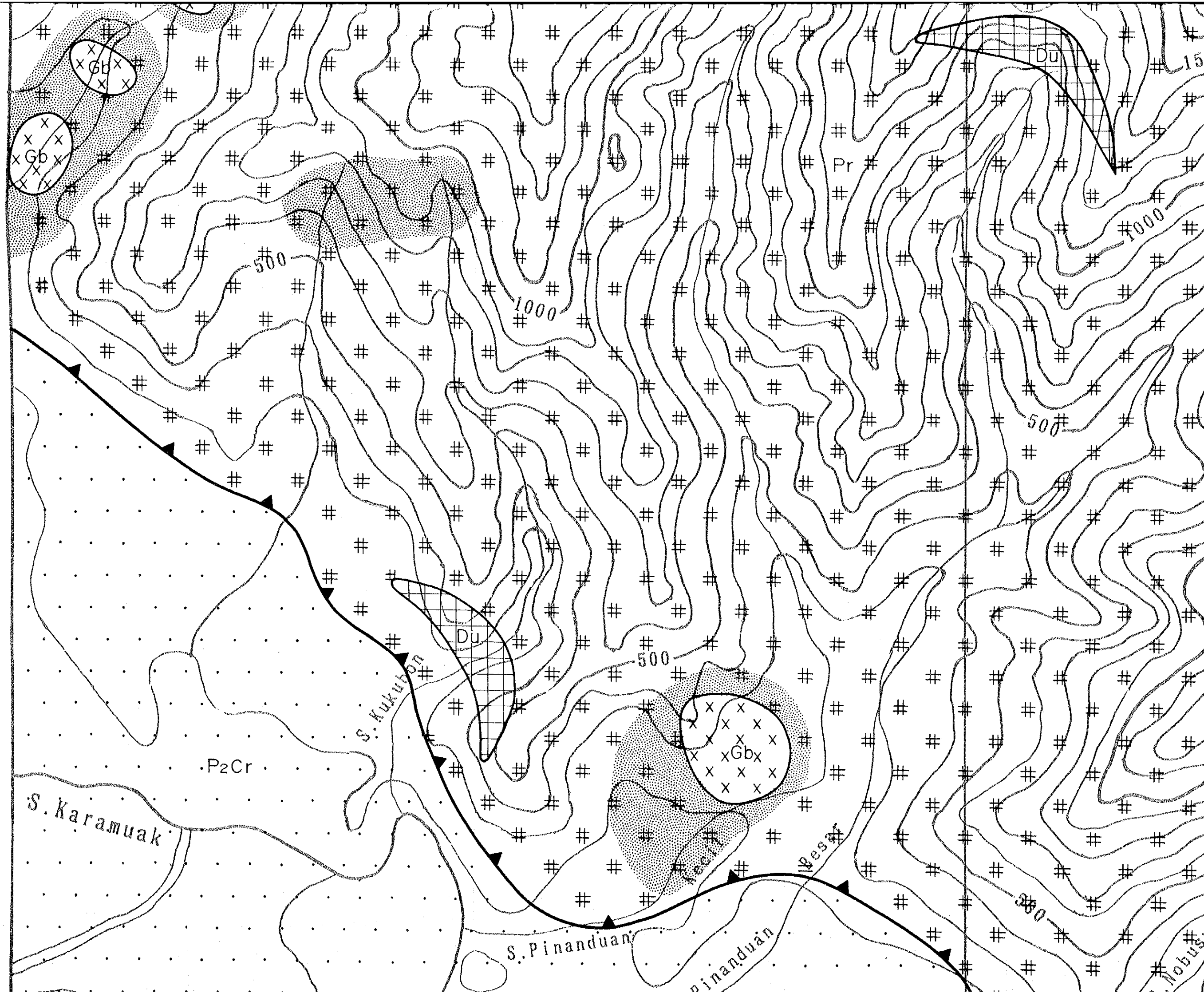
Plate II-2-1

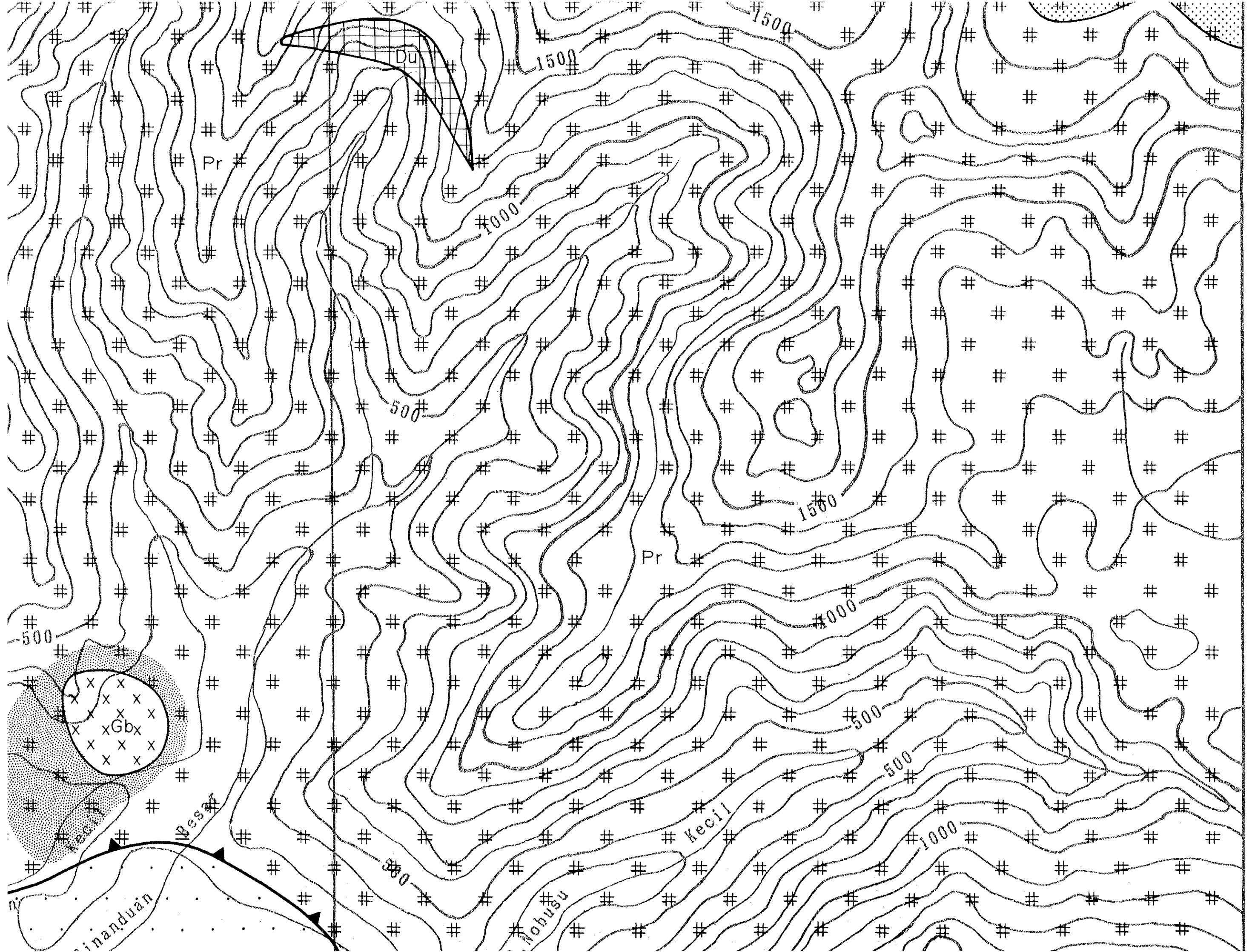
MINERAL EXPLORATION  
IN THE CENTRAL SABAH AREA  
MALAYSIA  
PHASE I  
GEOLOGIC MAP AND CROSS SECTIONS  
PINANDUAN SUB-AREA  
SCALE 1:10,000

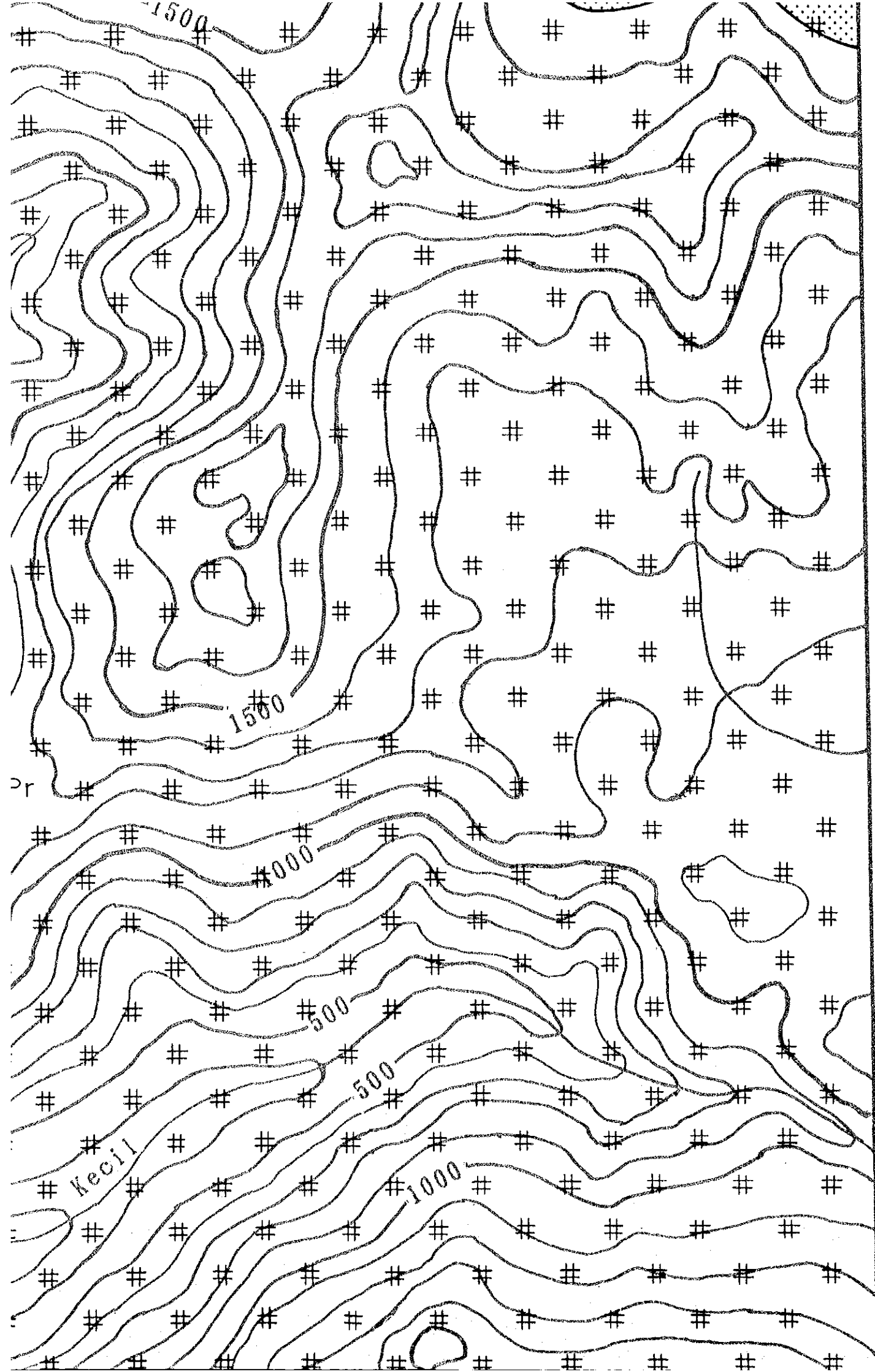


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FEBRUARY 1995



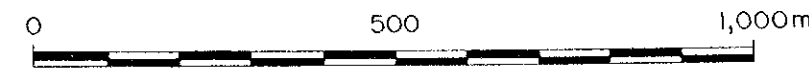




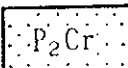
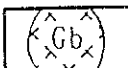
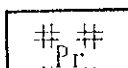

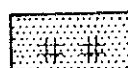




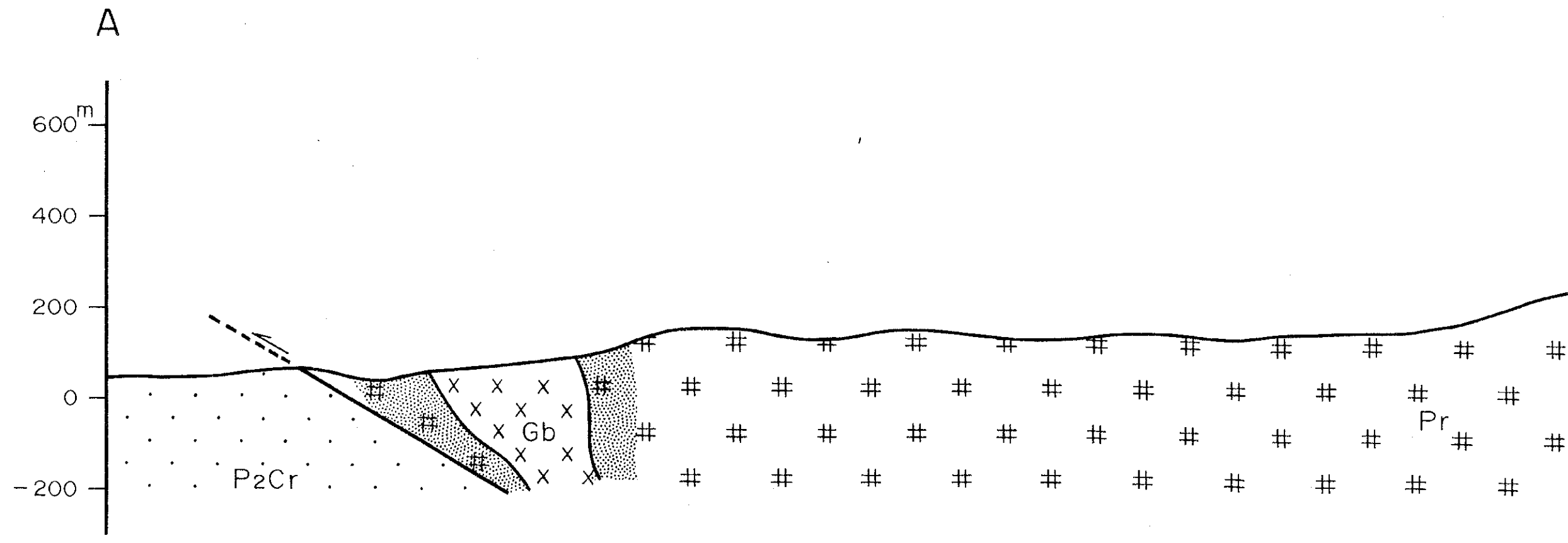
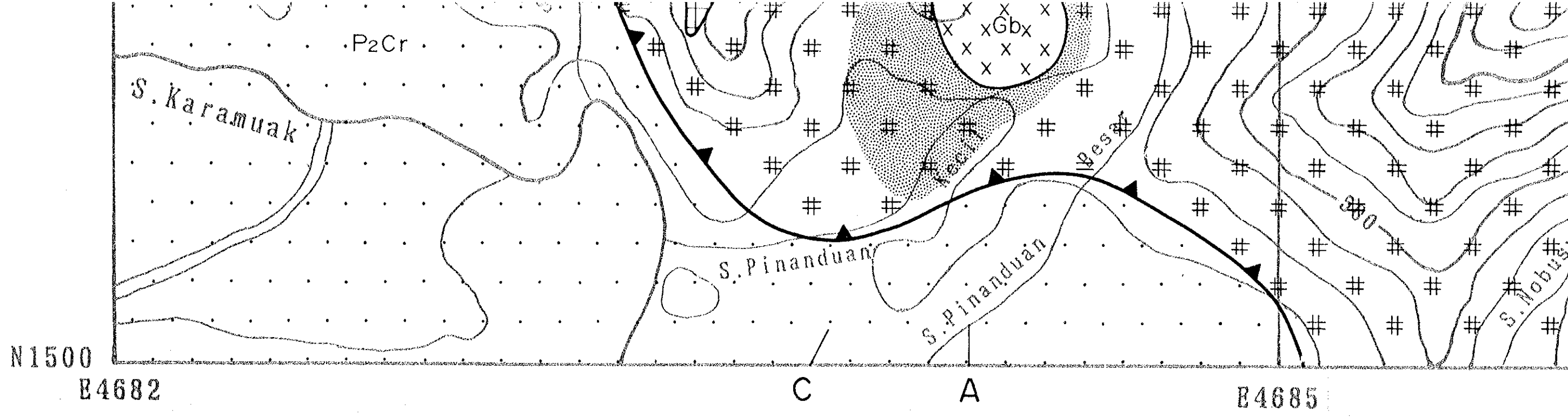
JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN

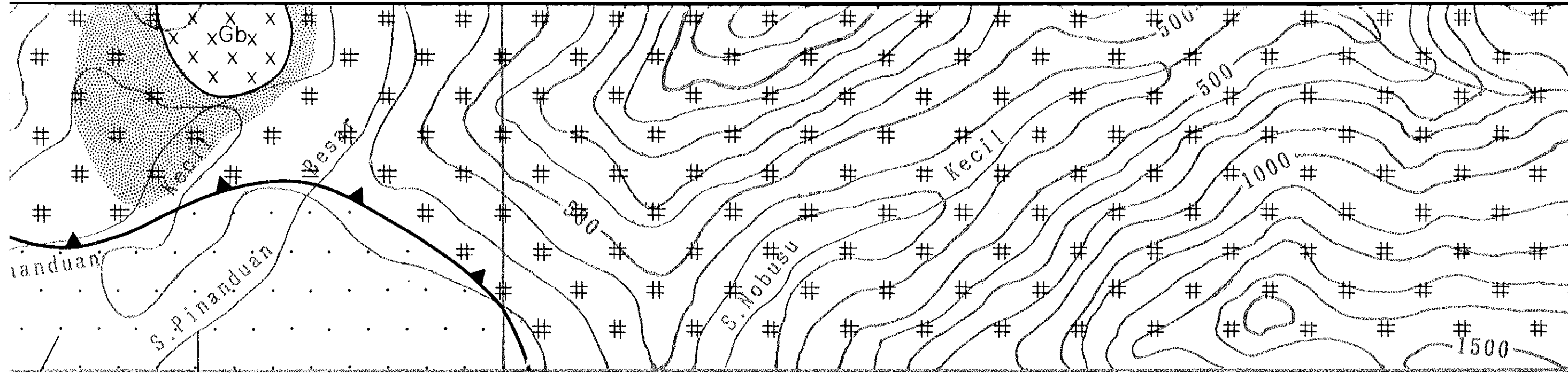
FEBRUARY 1995



LEGEND

- |                       |   |   |
|-----------------------|---|---|
| Eocene -<br>Oligocene |  | Crocker Formation<br>sandstone and mudstone |
|                       |  | Gabbro                                      |
|                       |  | Peridotite<br>(mainly harzburgite)          |
|                       |  | Dunite                                      |
|                       |  | Laterite                                    |
|                       |  | Altered and/or pyrite dissemination         |
|                       |  | Thrust fault                                |

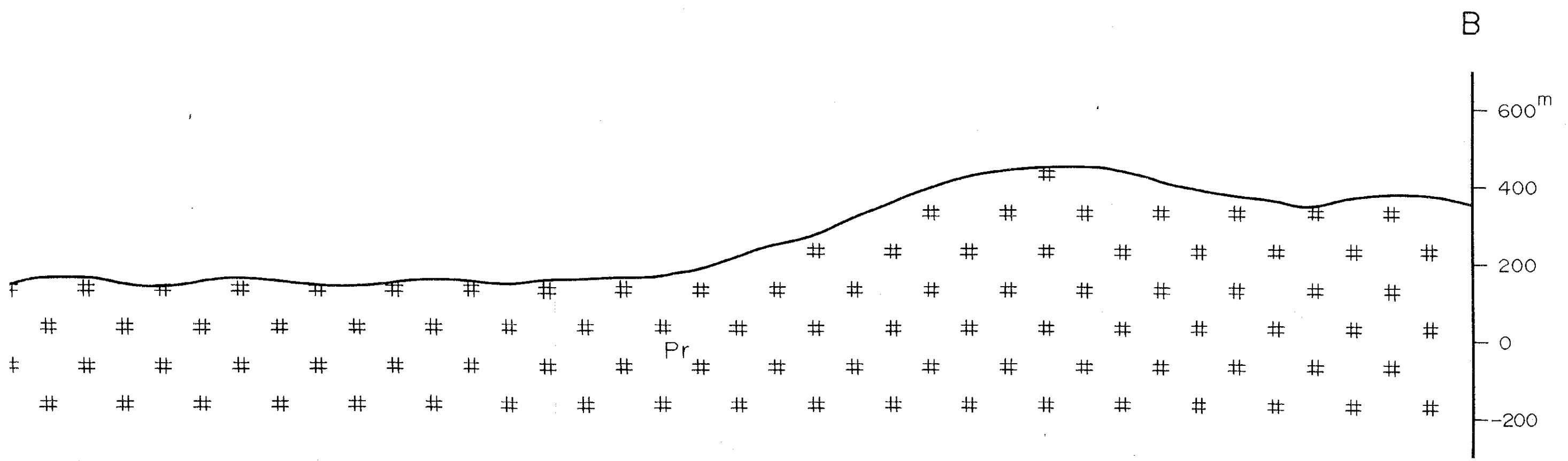




C

A

B4685



B

600<sup>m</sup>

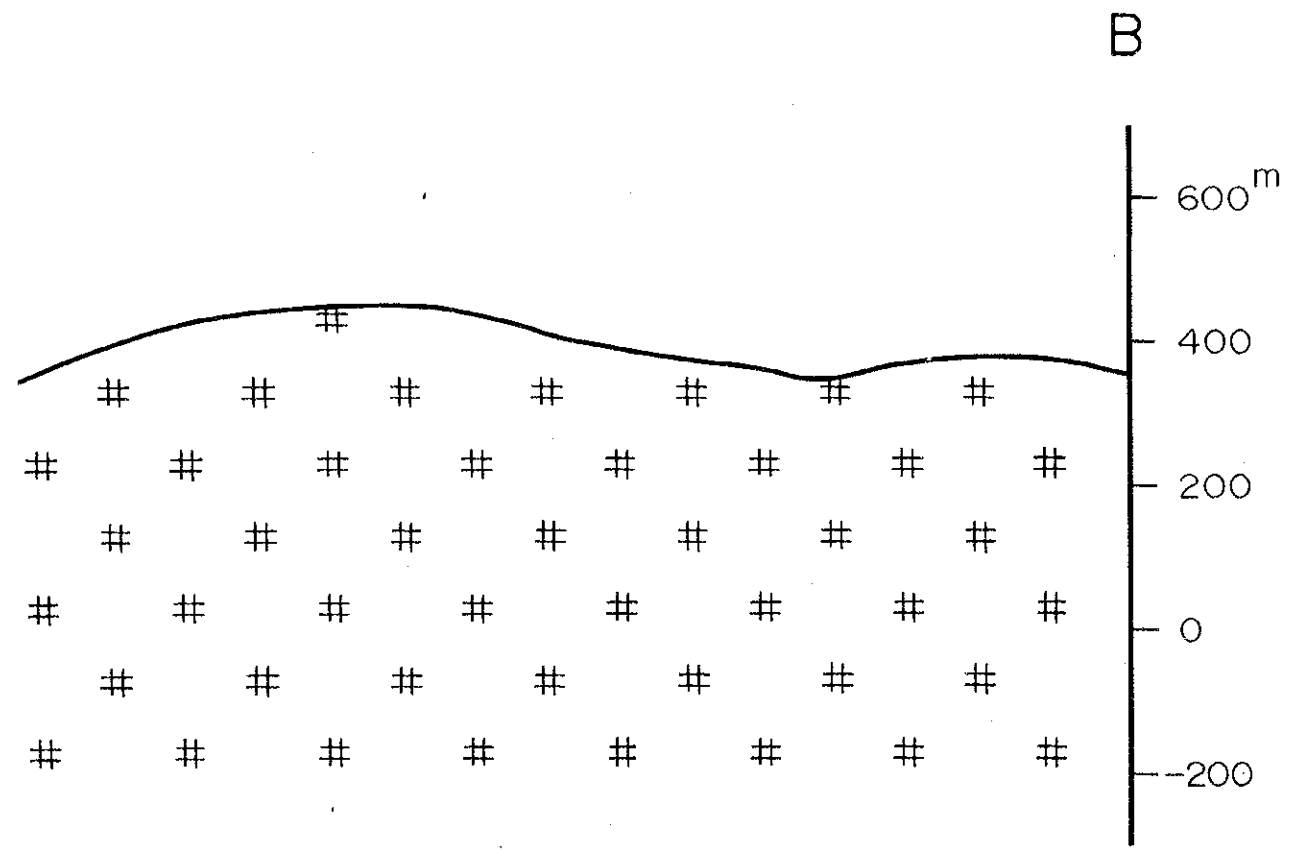
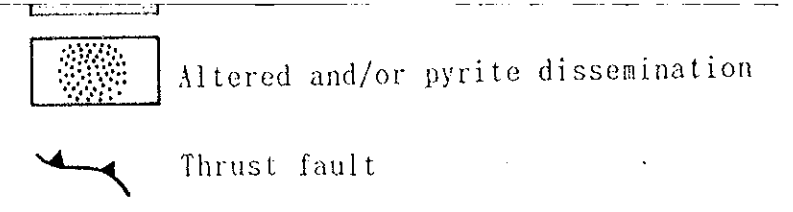
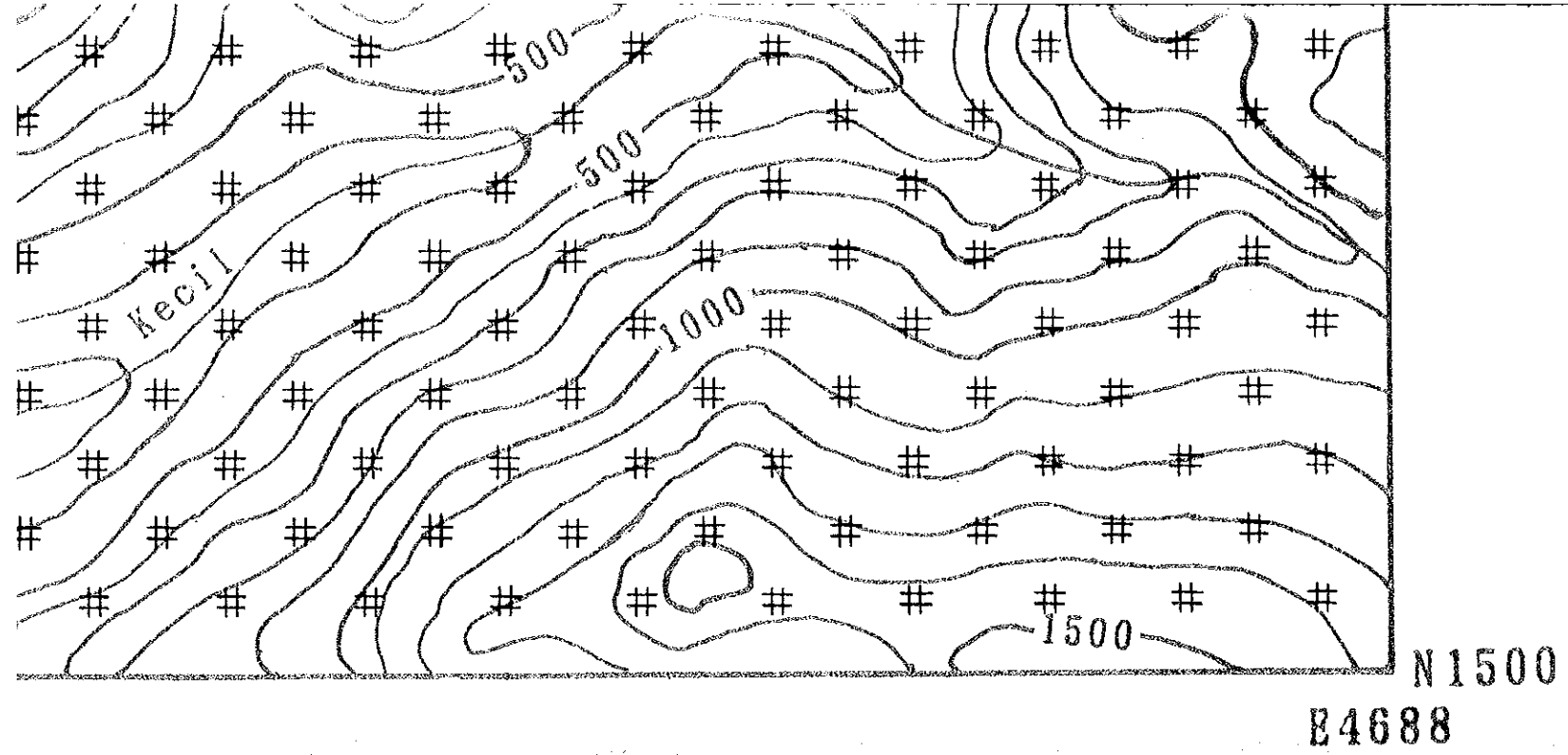
400

200

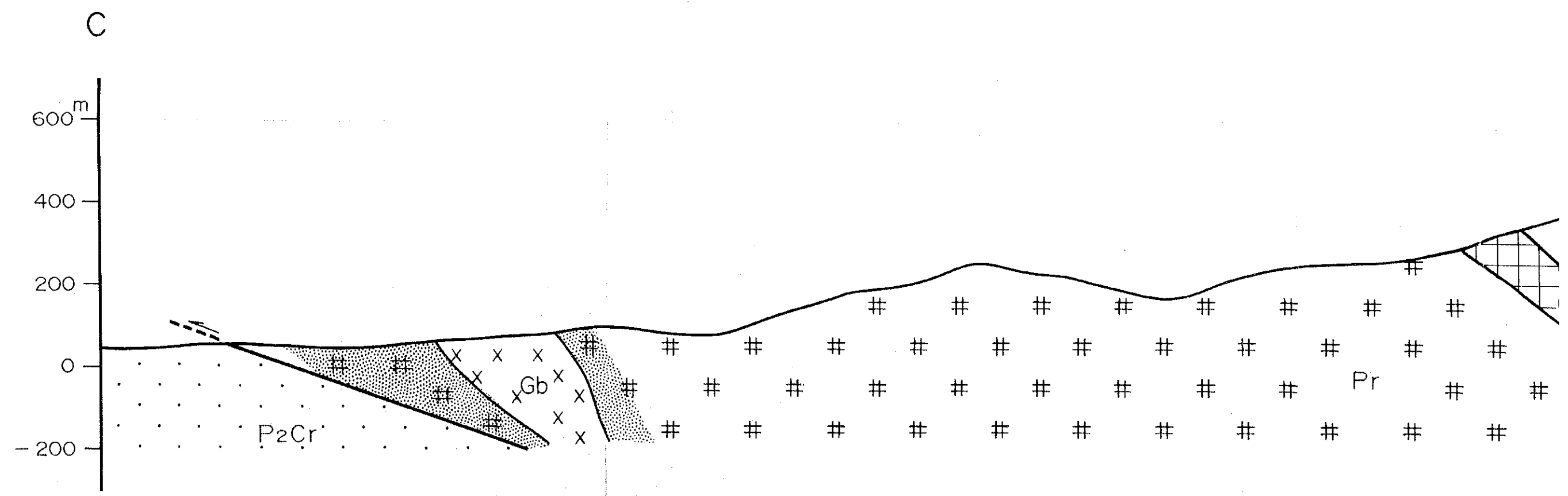
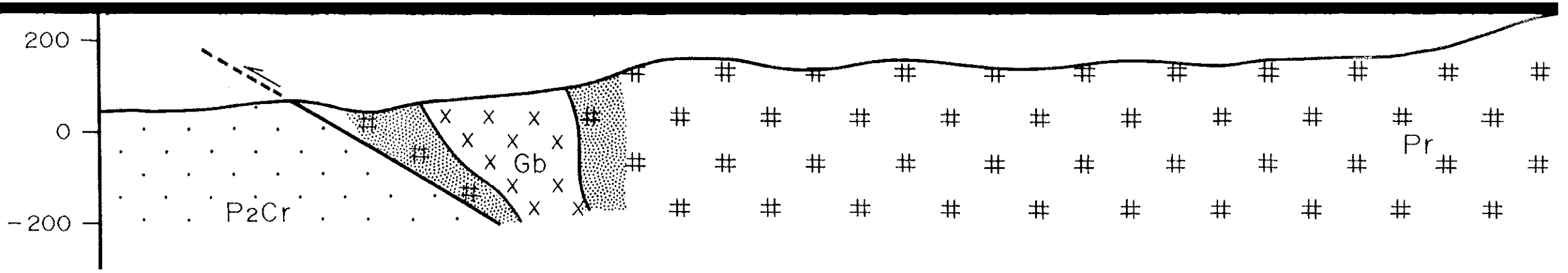
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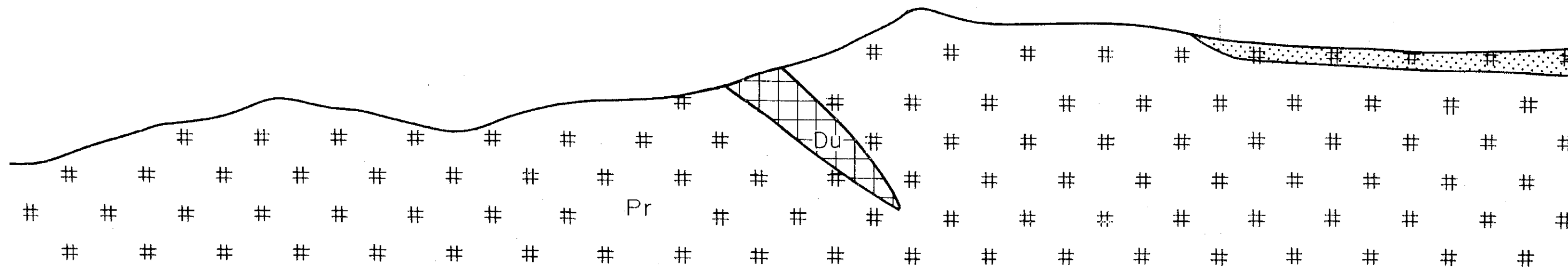
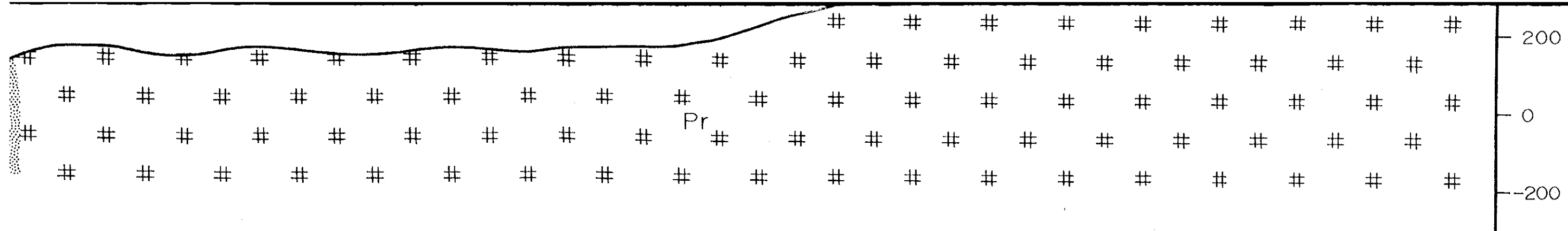
-200

Pr











E4679

E4680

N1456

A

N1455

