

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
91	LR091	1487.54	4685.85	S. Karamuak	peridotite	Pr	20	R.B.	R	C	M	W	secondary forest
92	LR092	1487.73	4686.33	S. Karamuak	---	Gs	20	R.B.	F	C	M	W	secondary forest
93	LR093	1487.35	4686.45	S. Karamuak	---	Gs	30	B.	M	S	M	D	secondary forest
94	LR094	1487.95	4686.77	S. Karamuak	serpentinite	Pr	30	D.B.	M	S	M	W	secondary forest
95	LR095	1487.31	4687.09	S. Karamuak	---	Gs	30	B.	M	S	M	W	secondary forest
96	LR096	1487.85	4687.65	S. Karamuak	peridotite	Pr	30	B.	M	S	F	W	secondary forest
97	LR097	1487.13	4687.80	S. Karamuak	peridotite	Pr	30	B.	M	S	M	W	secondary forest
98	LR098	1487.54	4687.97	S. Karamuak	---	Gs	30	B.	M	S	S	W	secondary forest
99	LR099	1487.89	4688.68	S. Karamuak	---	Pr	30	B.	M	S	S	W	secondary forest
100	LR100	1487.48	4688.55	S. Karamuak	---	Gs	30	R.B.	M	S	M	W	secondary forest
101	LR101	1487.57	4689.27	S. Karamuak	---	Gs	30	B.	M	S	F	W	secondary forest
102	LR102	1487.30	4689.70	S. Karamuak	harzburgite	Pr	30	B.	M	C	M	W	secondary forest
103	LR103	1487.55	4690.14	S. Karamuak	---	Gs	30	B.	M	C	M	W	secondary forest
104	LR104	1487.55	4690.55	S. Karamuak	shale	P <sub>2</sub> Cr	30	B.	M	C	M	W	secondary forest
105	LR105	1486.95	4683.60	S. Karamuak	sandstone	P <sub>2</sub> Cr	10	B.	F	C	M	W	secondary forest
106	LR106	1486.28	4683.75	S. Karamuak	---	Gb	20	B.	F	C	M	W	secondary forest
107	LR107	1486.10	4684.25	S. Karamuak	---	Gb	20	B.	F	C	M	W	secondary forest
108	LR108	1486.60	4684.58	S. Karamuak	---	Pr	20	D.B.	F	C	M	W	secondary forest
109	LR109	1486.00	4684.82	S. Karamuak	harzburgite	Pr	10	R.B.	F	C	M	W	secondary forest
110	LR110	1486.13	4685.25	S. Karamuak	harzburgite	Pr	10	R.B.	F	C	M	W	secondary forest
111	LR111	1486.44	4685.90	S. Karamuak	harzburgite	Pr	20	R.B.	F	C	M	W	secondary forest
112	LR112	1486.10	4686.70	S. Karamuak	harzburgite	Pr	10	D.B.	M	C	S	W	secondary forest
113	LR113	1486.80	4688.43	S. Karamuak	harzburgite	Pr	30	D.B.	M	C	S	W	secondary forest
114	LR114	1486.75	4689.08	S. Karamuak	peridotite	Pr	30	B.	M	S	F	W	secondary forest
115	LR115	1486.90	4689.65	S. Karamuak	harzburgite	Pr	30	B.	M	S	C	W	primary forest
116	LR116	1486.55	4690.35	S. Karamuak	harzburgite	Pr	30	B.	M	S	C	W	primary forest
117	LR117	1485.20	4683.43	S. Karamuak	sandstone	P <sub>2</sub> Cr	20	B.	R	S	M	W	secondary forest
118	LR118	1485.60	4683.97	S. Karamuak	mudstone	P <sub>2</sub> Cr	30	B.	R	S	M	W	secondary forest
119	LR119	1485.05	4684.53	S. Karamuak	sandstone	P <sub>2</sub> Cr	15	B.	R	S	F	W	secondary forest
120	LR120	1485.47	4684.85	S. Karamuak	peridotite	Pr	10	R.B.	R	S	F	W	secondary forest

\*1Gravel: Many (M), Few (F), Rare or none (R)  
 \*2Grain size: Sandy (S), Clayey (C)  
 \*3Topography: Steep (S), Moderate (M), Flat (F)  
 \*4Humidity: Dry (D), Wet (W)

Area: S. Karamuak - S. Milian (Area R)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegetation
		N	E										
121	LR121	1485.24	4685.20	S. Karamuak	harzburgite	Pr	10	R.B.	F	C	F	W	secondary forest
122	LR122	1486.02	4685.68	S. Karamuak	harzburgite	Pr	10	R.B.	F	C	M	W	secondary forest
123	LR123	1485.40	4686.23	S. Karamuak	harzburgite	Pr	10	R.B.	S	C	S	W	secondary forest
124	LR124	1485.46	4686.73	S. Karamuak	peridotite	Pr	10	R.B.	S	C	S	W	secondary forest
125	LR125	1485.95	4687.25	S. Karamuak	harzburgite	Pr	20	D.B.	M	C	S	W	secondary forest
126	LR126	1485.34	4687.05	S. Karamuak	harzburgite	Pr	10	D.B.	M	C	S	W	secondary forest
127	LR127	1485.55	4687.60	S. Karamuak	harzburgite	Pr	10	D.B.	M	C	S	W	secondary forest
128	LR128	1485.25	4688.03	S. Karamuak	harzburgite	Pr	20	D.B.	M	C	S	W	secondary forest
129	LR129	1485.74	4688.16	S. Karamuak	harzburgite	Pr	20	R.B.	M	C	S	W	secondary forest
130	LR130	1485.20	4688.70	S. Karamuak	harzburgite	Pr	20	R.B.	M	C	S	W	secondary forest
131	LR131	1485.46	4688.76	S. Karamuak	harzburgite	Pr	10	R.B.	M	C	S	W	secondary forest
132	LR132	1485.69	4689.61	S. Karamuak	harzburgite	Pr	30	D.B.	M	C	S	W	secondary forest
133	LR133	1485.21	4689.75	S. Karamuak	harzburgite	Pr	30	D.B.	M	C	S	W	secondary forest
134	LR134	1485.24	4690.55	S. Karamuak	harzburgite	Pr	10	D.B.	M	C	S	W	secondary forest
135	LR135	1485.27	4690.90	S. Karamuak	harzburgite	Pr	10	D.B.	M	C	S	W	secondary forest
136	LR136	1484.90	4683.71	S. Karamuak	—	P <sub>2</sub> Cr	10	R.B.	F	C	F	W	secondary forest
137	LR137	1484.42	4684.18	S. Karamuak	—	P <sub>2</sub> Cr	30	D.B.	R	C	F	W	secondary forest
138	LR138	1484.65	4684.52	S. Karamuak	shale	P <sub>2</sub> Cr	10	B.	R	C	F	W	secondary forest
139	LR139	1484.38	4685.50	S. Karamuak	—	P <sub>2</sub> Cr	40	B.	R	C	F	W	secondary forest
140	LR140	1484.83	4685.85	S. Karamuak	harzburgite	Pr	30	R.B.	M	C	S	W	secondary forest
141	LR141	1484.16	4686.13	S. Karamuak	—	Pr	20	B.	R	C	F	W	secondary forest
142	LR142	1484.90	4686.55	S. Karamuak	harzburgite	Pr	20	R.B.	M	C	S	W	secondary forest
143	LR143	1484.21	4686.82	S. Karamuak	—	Pr	30	B.	R	C	M	W	primary forest
144	LR144	1484.40	4687.28	S. Karamuak	peridotite	Pr	30	B.	R	C	M	W	primary forest
145	LR145	1484.09	4688.05	S. Karamuak	peridotite	Pr	30	B.	R	C	M	W	primary forest
146	LR146	1484.61	4688.50	S. Karamuak	peridotite	Pr	30	D.B.	M	C	S	W	primary forest
147	LR147	1484.58	4689.13	S. Karamuak	harzburgite	Pr	30	D.B.	M	C	S	W	secondary forest
148	LR148	1484.60	4689.90	S. Karamuak	harzburgite	Pr	20	D.B.	M	C	F	W	secondary forest
149	LR149	1484.51	4690.43	S. Karamuak	harzburgite	Pr	10	D.B.	M	C	F	W	secondary forest
150	LR150	1484.10	4690.55	S. Karamuak	—	Pr	10	D.B.	M	C	M	W	secondary forest

\*1Gravel: Many (M), Few (F), Rare or none (R)  
 \*2Grain size: Sandy (S), Clayey (C)  
 \*3Topography: Steep (S), Moderate (M), Flat (F)  
 \*4Humidity: Dry (D), Wet (W)



Appendix 25

Analytical results of soil geochemical  
samples in Area R



List of Geochemical Analysis ( 1)

Ser. No.	Sample No.	Location (km)	X-coord	Y-coord	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mh	Mb	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	ppm
1	LR001	4681.400	1494.370	1	1	126	7	113	16	8	83	.87	.44	95	2	.12	28	15	.016	3.2	36	.42	1.8	2	21
2	LR002	4681.950	1494.680	1	1	91	5	109	8	8	84	.44	.34	148	1	.07	24	15	.011	1.9	24	.35	2.2	2	9
3	LR003	4681.860	1494.250	1	1	51	40	610	32	55	55	.20	.35	615	1	.06	143	4	.016	6.3	23	.44	1.2	2	37
4	LR004	4682.660	1494.480	1	1	77	2	72	5	74	74	.19	.18	40	1	.03	11	4	.011	3.9	13	.30	1.6	2	1
5	LR005	4682.850	1494.020	1	1	53	3	48	3	3	80	.18	.11	26	1	.03	9	5	.014	1.4	13	.33	2.4	2	1
6	LR006	4683.440	1494.620	1	1	63	1	55	5	5	77	.31	.21	33	1	.07	14	12	.016	2.6	16	.31	2.0	2	1
7	LR007	4683.740	1494.250	1	1	56	1	51	3	3	98	.29	.17	27	2	.06	10	7	.013	4.4	18	.38	2.0	2	1
8	LR008	4681.480	1493.860	1	1	89	64	721	95	95	64	.53	1.54	1888	1	.65	353	6	.022	7.0	47	.78	1.0	2	94
9	LR009	4681.350	1493.350	1	1	89	45	296	79	79	50	.66	.74	1240	2	.30	104	10	.018	7.0	47	.78	1.0	2	67
10	LR010	4681.900	1493.450	1	1	88	5	107	11	11	43	.51	.40	72	1	.07	25	12	.013	6.9	19	.40	2.0	2	9
11	LR011	4682.370	1493.150	1	1	50	111	406	34	34	71	.08	1.65	3246	3	2.19	139	2	.015	16.8	72	1.64	2.2	2	26
12	LR012	4682.900	1493.500	1	1	70	6	128	8	8	46	.36	.29	37	1	.05	21	12	.010	2.9	20	.39	2.2	2	1
13	LR013	4683.500	1493.700	1	1	43	1	79	4	4	55	.15	.13	21	1	.02	19	7	.007	2.2	16	.32	2.2	2	1
14	LR014	4683.870	1493.180	1	1	58	7	343	7	7	45	.20	.20	59	1	.03	59	15	.007	3.2	21	.46	2.2	2	1
15	LR015	4684.280	1493.800	1	1	47	17	933	17	17	48	.10	.65	217	1	.05	245	3	.016	8.3	16	.43	1.8	2	13
16	LR016	4684.480	1493.200	1	1	37	142	1537	28	28	89	.12	.85	1967	1	.08	669	5	.016	10.0	14	.53	1.2	2	42
17	LR017	4685.400	1493.160	1	1	86	139	2285	37	37	71	.32	2.76	2191	1	.42	1240	6	.028	19.5	38	.56	1.0	2	76
18	LR018	4681.480	1492.860	1	1	30	1	50	18	18	65	.07	.08	238	1	.01	16	9	.010	3.0	23	.14	1.0	2	1
19	LR019	4681.530	1492.320	1	1	55	263	3850	36	36	108	.10	7.79	5273	1	.48	2308	2	.047	31.0	35	.29	2	85	
20	LR020	4682.000	1492.780	1	1	47	94	3025	43	43	72	.14	6.13	1744	1	.46	1057	2	.038	22.8	44	.46	2	2	
21	LR021	4682.450	1492.550	1	1	48	266	3662	43	43	127	.09	2.73	3777	1	.10	1525	2	.027	30.0	9	.43	5	108	
22	LR022	4682.970	1492.480	1	1	38	2	90	4	4	110	.11	.13	51	1	.03	17	9	.009	2	11	.42	2.8	2	1
23	LR023	4683.200	1492.950	1	1	57	5	351	7	7	76	.22	.25	41	1	.03	50	6	.011	3.1	21	.39	2.2	2	1
24	LR024	4683.770	1492.550	1	1	43	46	2343	19	19	72	.15	.52	375	1	.04	444	8	.018	18.1	15	.47	1.4	2	78
25	LR025	4684.340	1492.740	1	1	41	42	2192	27	27	76	.13	.42	235	1	.06	612	9	.014	12.5	15	.54	1.6	2	73
26	LR026	4684.430	1492.030	1	1	114	5	98	11	11	58	.50	.42	52	1	.06	40	23	.012	6.1	28	.39	2.2	2	4
27	LR027	4684.900	1492.940	1	1	45	201	2224	37	37	99	.10	.85	2462	1	.08	877	10	.015	16.8	14	.69	1.2	2	62
28	LR028	4685.440	1492.450	1	1	52	2	117	4	4	69	.15	.15	37	1	.02	17	5	.009	1.2	10	.26	1.8	2	1
29	LR029	4681.450	1491.350	1	1	15	693	7361	82	82	233	.04	1.61	5431	1	.15	4388	2	.029	6.2	7	1.25	1.4	2	157
30	LR030	4681.800	1491.660	1	1	45	13	263	69	69	122	.14	.21	533	2	.08	95	6	.021	6.2	7	1.25	1.4	2	29
31	LR031	4682.110	1491.960	1	1	79	20	268	70	70	87	.39	.49	712	2	.19	103	10	.019	4.0	14	.79	1.0	2	43
32	LR032	4682.240	1491.020	1	1	20	114	7240	92	92	164	.07	.18	358	1	.18	2875	2	.047	44.8	3	.55	2	2	124
33	LR033	4682.830	1491.920	1	1	69	35	383	17	17	49	.44	.44	119	1	.08	191	15	.006	3.9	16	.52	2.4	2	32
34	LR034	4682.720	1491.260	1	1	9	297	4969	26	26	103	.04	9.06	3223	1	.20	2583	2	.034	34.8	11	.17	2	2	113
35	LR035	4683.450	1491.710	1	1	62	5	437	11	11	87	.21	.23	61	1	.05	67	10	.009	5.7	25	.45	2.2	2	9
36	LR036	4683.430	1491.140	1	1	73	13	391	22	22	52	.37	.40	140	2	.09	117	12	.008	7.3	18	.59	2.0	2	24
37	LR037	4684.070	1491.430	1	1	67	268	3890	51	51	100	.12	2.12	3906	1	.25	1568	7	.015	27.2	24	1.11	1.1	2	110
38	LR038	4684.600	1491.950	1	1	63	6	190	6	6	58	.31	.26	72	1	.07	38	12	.011	5.5	15	.38	2.4	3	3
39	LR039	4685.180	1491.340	1	1	16	411	127	9	9	52	.43	.28	44	1	.08	33	17	.007	5.5	20	.31	2.4	2	2
40	LR040	4685.350	1491.340	1	1	16	411	127	9	9	52	.43	.28	44	1	.08	33	17	.007	5.5	20	.31	2.4	2	2
41	LR041	4681.870	1490.880	1	1	46	329	3144	125	125	119	.05	2.66	2673	1	.47	2644	10	.024	44.1	3	.26	2	2	112
42	LR042	4682.280	1490.220	1	1	11	243	2752	23	23	86	.05	7.04	5602	1	.16	1869	2	.026	37.8	51	.95	2	2	134
43	LR043	4682.630	1490.570	1	1	38	459	5660	41	41	142	.05	6.31	7872	1	.23	3720	2	.044	24.7	10	.12	2	2	63
44	LR044	4683.320	1490.340	1	1	127	57	994	42	42	49	.90	2.27	920	1	.31	563	13	.023	43.1	10	.23	2	2	119
45	LR045	4683.780	1490.770	1	1	26	307	2023	26	26	41	.05	10.75	3440	1	.05	2829	2	.018	18.5	31	.44	1.6	2	58
46	LR046	4683.870	1490.080	1	1	64	402	4979	38	38	117	.06	3.28	5266	1	.07	1869	2	.032	42.5	8	.36	2	2	100
47	LR047	4684.150	1490.600	1	1	149	138	3053	35	35	94	.68	2.30	4205	1	.50	1053	10	.015	21.7	40	1.4	2	89	
48	LR048	4684.530	1490.480	1	1	22	313	5886	66	66	140	.07	8.29	3253	1	.32	3989	2	.026	38.7	7	.24	2	2	107
49	LR049	4685.150	1490.640	1	1	88	136	1540	98	98	127	.32	2.32	2777	1	.29	917	17	.024	19.0	32	.92	1.8	2	82
50	LR050	4685.670	1490.720	1	1	91	79	1452	15	15	56	.31	1.19	647	1	.11	980	13	.016	11.5	19	.30	1.8	2	30

List of Geochemical Analysis ( 2 )

Ser. No.	Sample No.	Location (km)	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mo	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
51	LR051	4883.050 1489.790	1	1	80	114	297	80	96	.11	1.05	3768	1	.94	128	2	.037	13.5	74	1.50	.2	2	194
52	LR052	4883.550 1489.410	1	1	46	109	226	62	85	.11	1.10	3842	1	.68	93	4	.030	16.4	94	1.30	.4	2	92
53	LR053	4884.230 1489.730	12	1	9	135	5024	13	51	.06	9.72	1746	1	.21	1119	2	.045	27.8	17	.28	.2	2	127
54	LR054	4884.520 1489.380	1	1	39	334	4857	85	66	.08	6.98	4777	1	.29	2389	4	.026	36.2	10	.28	.2	2	87
55	LR055	4885.500 1489.550	30	1	20	749	6830	64	181	.04	2.65	6116	1	.04	3883	2	.020	97.1	2	.28	.2	2	187
56	LR056	4885.650 1489.260	17	1	13	388	6418	31	104	.06	8.96	3729	1	.24	2372	2	.031	72.6	7	.24	.2	2	117
57	LR057	4886.250 1489.130	29	6	18	114	6913	108	287	.08	.09	645	1	.22	2434	2	.070	41.0	3	.41	.2	2	127
58	LR058	4886.760 1489.160	31	3	12	479	6863	122	239	.05	.27	3512	1	.28	2855	2	.047	69.0	1	.56	.2	2	158
59	LR059	4887.350 1489.400	1	3	18	120	6218	81	178	.08	.06	1095	1	.19	1568	2	.023	48.4	3	.71	.4	2	130
60	LR060	4887.750 1489.130	1	6	17	186	5930	82	178	.07	.08	1521	1	.16	1595	2	.042	51.3	3	.68	.4	2	167
61	LR061	4888.730 1489.540	34	3	5	49	6893	126	214	.04	.07	253	1	.24	2633	2	.064	67.9	1	.48	.4	2	127
62	LR062	4888.630 1489.200	13	2	10	105	5703	79	164	.07	.23	814	1	.18	2472	2	.035	43.5	2	.71	.4	2	127
63	LR063	4889.150 1489.280	5	1	129	14	191	38	77	.86	.62	692	1	.16	99	20	.014	4.0	16	.44	2.6	2	51
64	LR064	4889.850 1489.680	20	1	11	473	6088	80	215	.04	3.58	4721	1	.13	3317	2	.032	45.8	3	.24	.2	2	99
65	LR065	4890.250 1489.400	46	1	13	531	6577	86	251	.04	2.55	4823	1	.18	3965	2	.030	51.4	3	.26	.2	2	102
66	LR066	4890.830 1489.130	36	1	18	414	6249	49	127	.04	5.22	5023	1	.13	3186	2	.035	46.5	5	.19	.2	2	123
67	LR067	4893.520 1488.560	10	1	6	222	6671	49	146	.04	2.64	1402	1	.04	1665	3	.023	44.0	2	.23	.2	2	107
68	LR068	4894.120 1488.980	12	5	5	235	2851	43	93	.04	10.19	2380	1	.20	2579	2	.024	22.2	10	.15	.2	2	80
69	LR069	4894.310 1488.620	27	1	33	590	5075	64	120	.04	5.11	7281	1	.21	3579	2	.021	44.2	7	.24	.2	2	78
70	LR070	4894.720 1488.950	1	1	135	45	296	72	73	.71	.63	473	1	.65	178	8	.012	9.0	9	.82	1.8	2	78
71	LR071	4894.780 1488.230	14	1	81	152	2336	44	77	.39	1.37	2176	1	.33	1247	10	.016	18.3	21	.90	1.4	2	70
72	LR072	4895.100 1488.460	9	1	40	132	3269	26	97	.15	1.51	2104	1	.20	758	10	.018	27.6	20	.92	.8	2	69
73	LR073	4895.320 1488.710	8	1	53	65	3024	76	105	.45	.74	523	1	.11	967	9	.019	22.4	10	.63	1.4	2	79
74	LR074	4895.640 1488.400	26	1	5	149	6974	41	117	.04	2.22	1023	1	.01	3017	4	.034	104.0	2	.55	.2	2	159
75	LR075	4896.180 1488.300	1	1	19	63	396	33	56	.07	1.51	2305	1	2.13	114	2	.026	12.6	65	1.70	.2	2	34
76	LR076	4896.720 1488.540	1	2	4	43	6246	82	138	.04	.08	710	1	.19	1139	2	.039	38.8	1	.92	.2	2	84
77	LR077	4897.100 1488.360	7	1	19	5	384	62	123	.09	1.18	884	1	.17	222	2	.049	9.2	3	1.28	1.8	2	24
78	LR078	4897.800 1488.570	1	3	124	59	1339	97	113	.95	.70	1210	2	.26	497	18	.016	13.2	23	.76	1.8	2	77
79	LR079	4898.450 1488.150	7	1	25	53	3677	80	110	.11	.33	841	1	.21	845	2	.023	26.1	6	1.58	.6	2	79
80	LR080	4899.310 1488.960	1	1	71	7	128	28	66	.36	.37	334	1	.09	52	17	.011	4.4	17	.59	2.4	2	16
81	LR081	4899.750 1488.270	1	1	8	11	1006	49	84	.10	.14	226	1	.41	233	2	.025	11.4	2	1.84	.6	2	30
82	LR082	4899.200 1488.750	1	1	25	488	6814	131	155	.08	4.76	4899	1	.19	4005	2	.025	57.0	3	.30	.2	2	125
83	LR083	4899.600 1488.350	43	3	8	219	6858	131	195	.05	2.25	1005	1	.24	3561	2	.062	84.5	2	.33	.2	2	153
84	LR084	4893.520 1487.900	28	1	13	593	6829	83	205	.05	3.90	3863	1	.07	3649	2	.022	85.1	2	.18	.2	2	178
85	LR085	4893.270 1487.450	27	1	15	461	5402	63	184	.04	10.81	5443	1	.03	4004	4	.017	33.0	2	.11	.2	2	146
86	LR086	4893.950 1487.260	1	1	8	463	6737	97	188	.04	2.40	1827	1	.17	3956	2	.025	141.9	1	.20	.2	2	219
87	LR087	4894.330 1487.800	35	1	12	283	6934	78	104	.05	3.38	2991	1	.10	2585	2	.030	44.6	6	.11	.2	2	149
88	LR088	4894.370 1488.950	25	1	8	351	6863	31	107	.04	8.18	4020	1	.16	2581	2	.033	47.9	6	.21	.2	2	128
89	LR089	4894.810 1487.640	1	1	64	87	335	51	153	.16	.66	4516	1	.56	137	8	.023	6.7	40	1.27	.8	2	52
90	LR090	4895.250 1487.830	1	1	218	96	661	52	103	.88	1.77	6548	1	.40	264	21	.020	12.6	28	.85	1.2	2	93
91	LR091	4895.850 1487.540	8	1	117	51	834	38	61	.93	.79	666	1	.25	251	14	.012	7.8	27	.45	1.8	2	50
92	LR092	4896.330 1487.730	1	1	33	337	6867	48	222	.05	1.25	7705	1	.05	4020	2	.027	61.7	5	.39	.2	2	165
93	LR093	4896.450 1487.350	31	3	73	346	5926	90	167	.19	.58	2834	1	.22	2966	2	.010	43.5	8	.50	.6	2	105
94	LR094	4896.770 1487.950	23	3	52	158	6876	111	109	.08	.22	2019	1	.25	2931	2	.040	70.2	3	.50	.2	2	131
95	LR095	4897.090 1487.310	22	1	29	355	6198	117	120	.13	2.57	1771	1	.23	3690	2	.007	45.2	7	.47	.2	2	103
96	LR096	4897.650 1487.850	17	1	47	266	3795	91	145	.37	1.18	2301	1	.20	1781	2	.019	26.9	6	.48	.8	2	103
97	LR097	4897.800 1487.130	46	1	33	300	4266	139	113	.11	3.74	4367	1	.39	3755	2	.025	26.5	25	.65	.8	2	138
98	LR098	4897.970 1487.540	13	1	102	32	675	133	62	1.14	.79	337	1	.25	335	2	.011	7.9	4	1.14	1.8	2	97
99	LR099	4898.680 1487.890	35	1	29	522	5774	78	155	.07	4.57	5910	1	.18	3465	2	.025	53.2	4	.30	.2	2	102
100	LR100	4898.550 1487.480	1	1	103	21	698	102	81	.75	.93	332	1	.28	358	11	.016	5.7	10	.61	1.8	2	54

List of Geochemical Analysis ( 3 )

Ser. No.	Sample No.	Location (km)	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mo	Nb	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
		X-coord	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
101	LR101	4693.270	3	1	54	80	1324	114	113	36	1.51	696			32	725	2	0.23	14.8	5	87	1.2		89
102	LR102	4689.700	13	1	52	334	4446	88	122	16	7.55	4884			68	3107	2	0.33	36.1	25	44	2		117
103	LR103	4690.140	1	1	93	51	533	124	75	1.17	0.98	674			36	326	2	0.19	7.6	7	1.44	4		139
104	LR104	4690.650	32	1	54	404	5243	77	132	10	5.31	8291			45	3030	2	0.29	36.7	32	59	4		114
105	LR105	4683.600	1	1	52	137	415	56	135	11	4.44	1698			16	112	2	0.24	7.0	21	1.20	6		41
106	LR106	4683.750	1	1	11	34	248	29	62	0.9	2.72	1034			3.46	80	2	0.39	13.6	92	56	2		29
107	LR107	4684.250	2	1	7	52	229	40	70	0.6	1.86	1354			4.04	89	2	0.28	8.1	69	50	2		45
108	LR108	4684.580	1	1	16	363	6223	36	129	0.5	5.05	4130			27	2265	3	0.26	43.7	8	20	2		126
109	LR109	4684.820	16	1	79	983	6554	14	132	0.5	7.48	9157			28	2604	24	0.36	40.0	8	22	2		109
110	LR110	4685.250	10	2	15	161	6914	77	214	0.7	2.36	639			19	3030	2	0.36	56.1	3	34	2		105
111	LR111	4685.900	18	1	16	141	6705	79	164	0.4	3.88	1169			21	1841	2	0.33	53.0	2	22	2		102
112	LR112	4686.700	47	1	32	661	6730	56	206	0.4	1.41	3831			13	3225	2	0.31	60.1	2	22	2		119
113	LR113	4688.430	62	1	11	351	5778	73	139	0.5	5.67	4433			19	4430	2	0.33	49.6	9	28	2		127
114	LR114	4689.080	61	1	13	471	5521	67	164	0.4	5.02	5034			31	3990	2	0.33	61.5	12	29	2		110
115	LR115	4689.650	63	3	10	383	6804	132	233	0.5	1.04	3188			35	4330	2	0.28	68.8	2	48	2		102
116	LR116	4690.350	32	2	7	421	6586	77	245	0.4	8.6	2455			12	2442	2	0.27	56.3	2	34	2		105
117	LR117	4683.430	1	1	74	5	104	17	70	0.9	3.6	91			10	278	17	0.10	7.2	14	42	2.0		15
118	LR118	4683.970	1	1	64	69	817	27	77	0.6	3.7	1088			10	278	15	0.11	10.6	15	43	1.8		36
119	LR119	4684.530	5	1	49	4	290	14	84	0.8	3.21	178			0.4	35	10	0.09	7.9	16	43	2.0		5
120	LR120	4684.850	1	1	18	68	404	72	62	0.8	1.67	1469			2.00	158	2	0.25	19.3	77	87	2		42
121	LR121	4685.200	7	1	133	13	177	37	61	0.2	6.8	220			14	71	23	0.12	9.6	30	45	2.2		59
122	LR122	4685.690	48	2	8	299	6581	79	134	0.5	3.08	2259			31	3869	2	0.28	66.1	10	34	2		103
123	LR123	4686.290	44	1	12	351	5581	32	90	0.4	9.57	4575			38	2875	2	0.30	41.4	11	21	2		105
124	LR124	4686.730	16	1	14	405	7247	13	82	0.4	9.19	4525			42	2289	3	0.33	51.6	15	09	2		138
125	LR125	4687.250	32	2	5	76	7449	104	142	0.4	1.16	365			25	2203	2	0.38	77.4	1	44	2		120
126	LR126	4687.050	37	2	30	811	7390	39	159	0.4	3.81	8742			12	3599	2	0.29	85.5	5	19	2		175
127	LR127	4687.600	11	1	9	479	6866	33	154	0.4	6.60	4115			27	2416	2	0.33	57.3	8	22	2		157
128	LR128	4688.090	39	4	7	781	7399	107	196	0.4	2.23	3322			21	3652	2	0.38	92.1	1	31	2		111
129	LR129	4688.160	26	4	5	107	7359	100	193	0.4	2.8	503			20	2352	2	0.30	75.6	1	36	2		118
130	LR130	4688.700	18	4	5	90	7450	241	161	0.4	0.9	539			28	2049	2	0.71	79.7	1	94	4		111
131	LR131	4688.760	70	3	2060	64	7302	136	266	0.4	1.14	305			47	3252	2	0.92	127.9	30	35	2		158
132	LR132	4689.610	33	1	118	233	6437	26	187	0.5	5.08	2303			0.8	2384	2	0.83	53.1	8	14	2		137
133	LR133	4689.750	53	1	246	399	7360	35	131	0.6	6.73	4987			20	3187	2	0.37	96.5	11	18	2		193
134	LR134	4690.550	85	1	578	540	7293	39	129	0.9	9.49	5223			18	3845	2	0.29	108.1	11	15	2		174
135	LR135	4690.900	37	1	409	300	5353	24	107	0.8	9.28	3214			29	2204	2	0.38	47.6	15	19	2		114
136	LR136	4683.710	22	1	524	203	3751	50	95	0.6	1.47	2347			18	1478	13	0.17	44.2	18	80	6		98
137	LR137	4684.180	25	1	936	116	2013	53	78	0.7	3.25	2229			95	1215	2	0.24	37.1	60	61	6		91
138	LR138	4684.520	13	1	1060	6	200	42	80	1.0	6.1	169			28	48	27	0.08	15.1	45	53	2.2		35
139	LR139	4685.500	69	1	905	522	7288	116	112	1.3	6.28	4528			32	4462	2	0.19	84.2	19	32	2		168
140	LR140	4685.850	94	1	2238	326	7256	99	167	0.25	1.02	1245			50	4473	2	0.40	159.7	33	25	2		208
141	LR141	4686.130	1	1	56	53	438	38	46	0.27	2.48	1095			1.38	201	2	0.11	20.2	34	77	2		38
142	LR142	4686.550	1	1	12	619	7216	110	215	0.4	3.46	4196			21	4441	2	0.19	129.9	2	11	2		221
143	LR143	4687.820	1	1	92	4	109	15	45	0.5	30	87			0.9	29	14	0.14	6.7	16	40	2.0		6
144	LR144	4687.280	70	1	13	409	7344	93	150	0.5	7.1	1880			21	4527	2	0.26	116.4	1	26	4		183
145	LR145	4688.050	68	3	26	514	4237	74	118	1.1	2.14	6215			26	4432	2	0.21	54.7	6	53	4		83
146	LR146	4689.130	1	1	28	146	1011	60	138	1.7	1.04	3451			39	229	2	0.37	24.8	27	53	2		69
147	LR147	4689.500	1	1	26	67	356	68	105	0.6	6.4	1219			38	165	5	0.18	22.2	5	1.69	4		65
148	LR148	4689.900	1	1	32	146	1530	51	121	2.0	2.10	5072			75	633	2	0.33	30.5	25	1.36	2		104
149	LR149	4690.430	38	1	8	447	7243	115	167	0.4	3.38	3004			25	4440	2	0.20	103.8	1	18	2		166
150	LR150	4690.550	1	1	19	74	497	83	77	0.26	1.43	1784			1.01	210	3	0.35	20.8	51	90	2		61



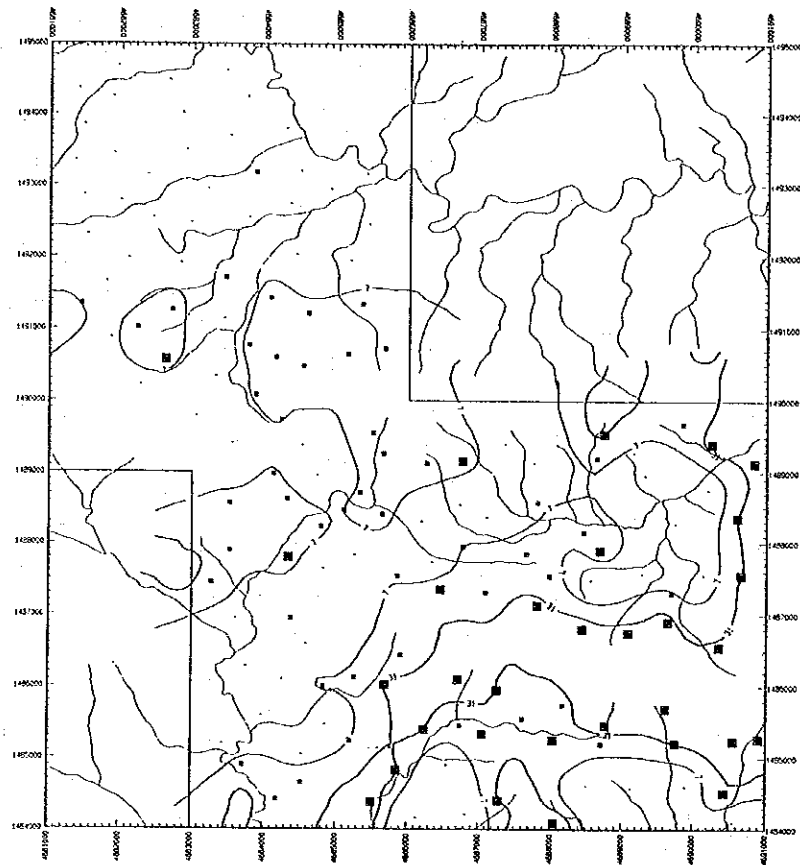


Appendix 26

Distribution map of elements in Area R.

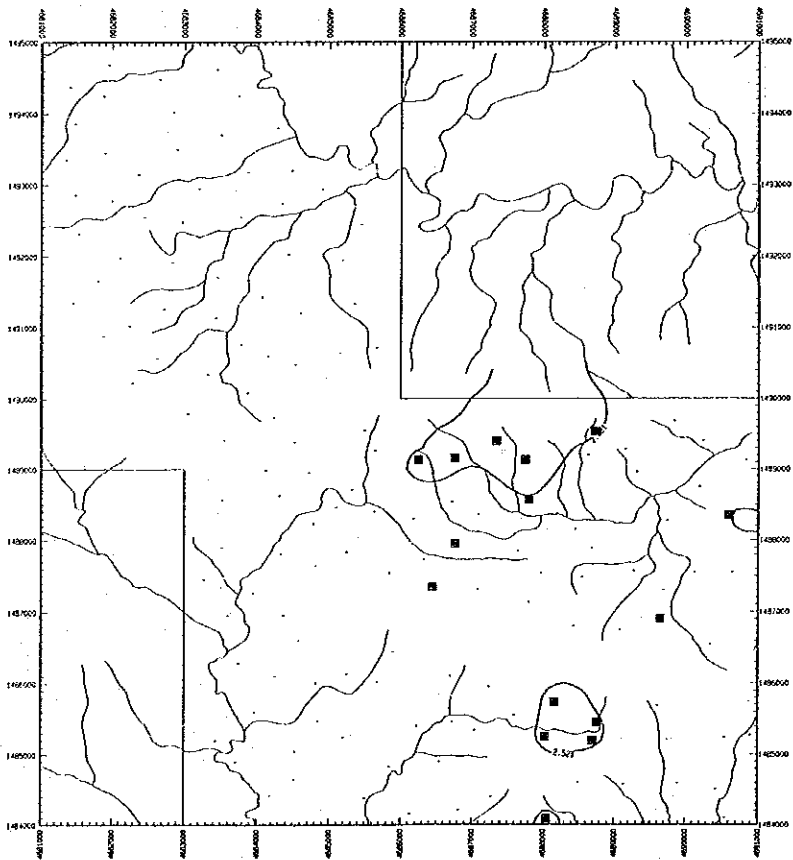


Soil



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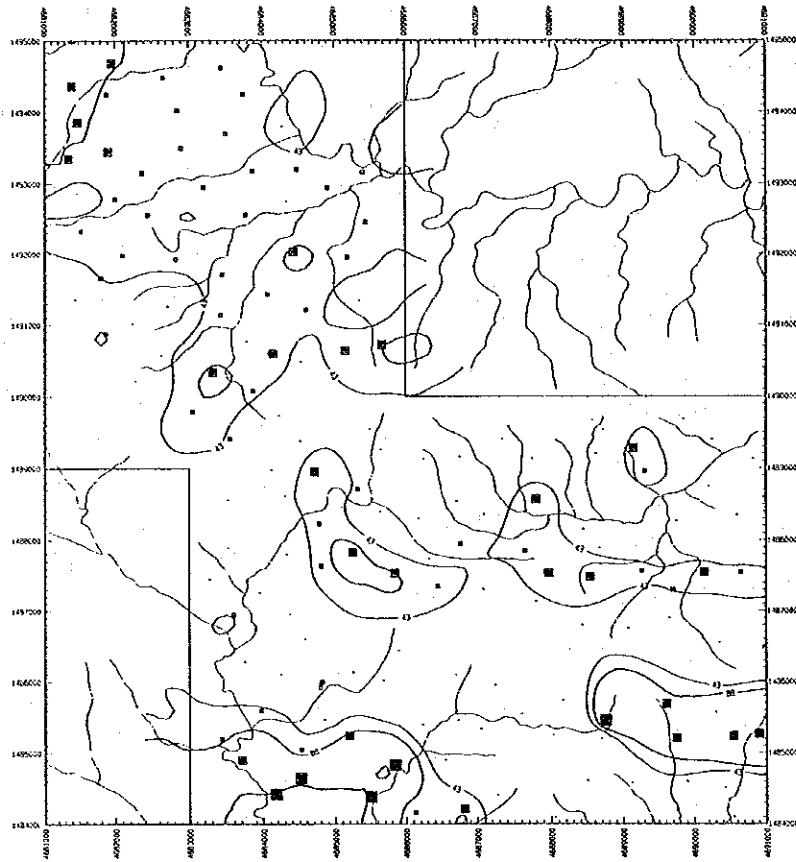
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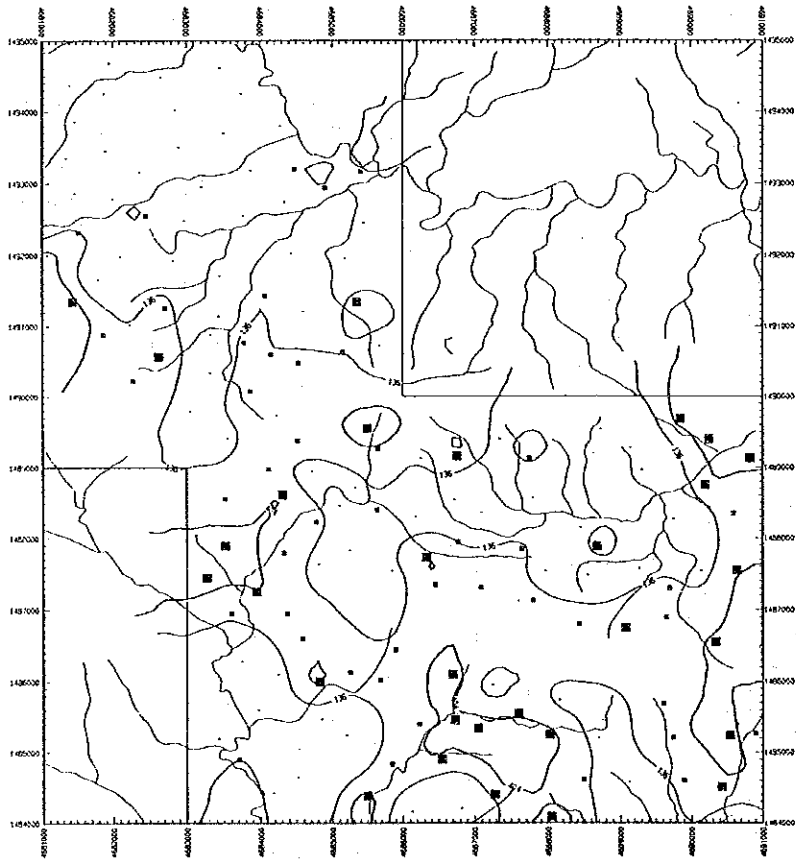
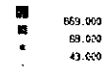
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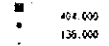
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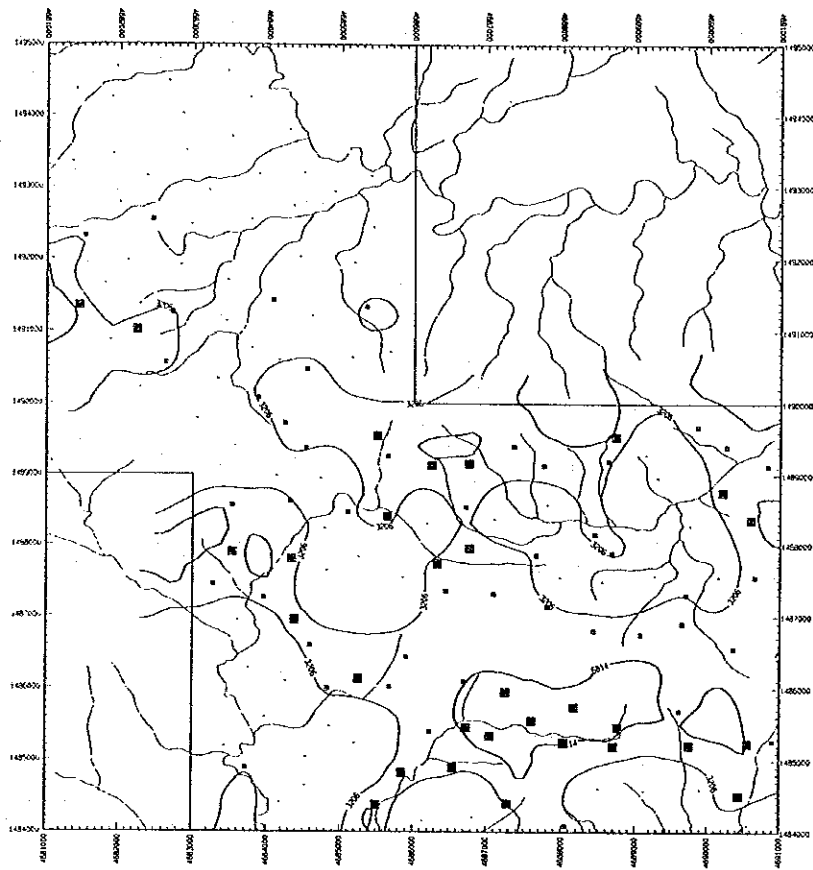
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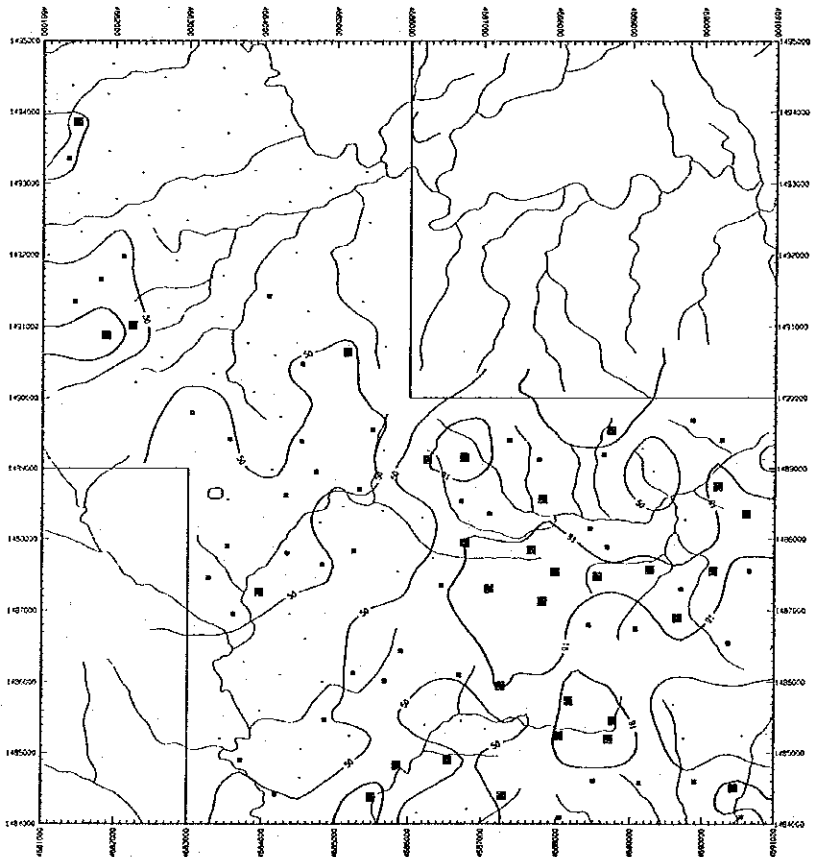


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Cr

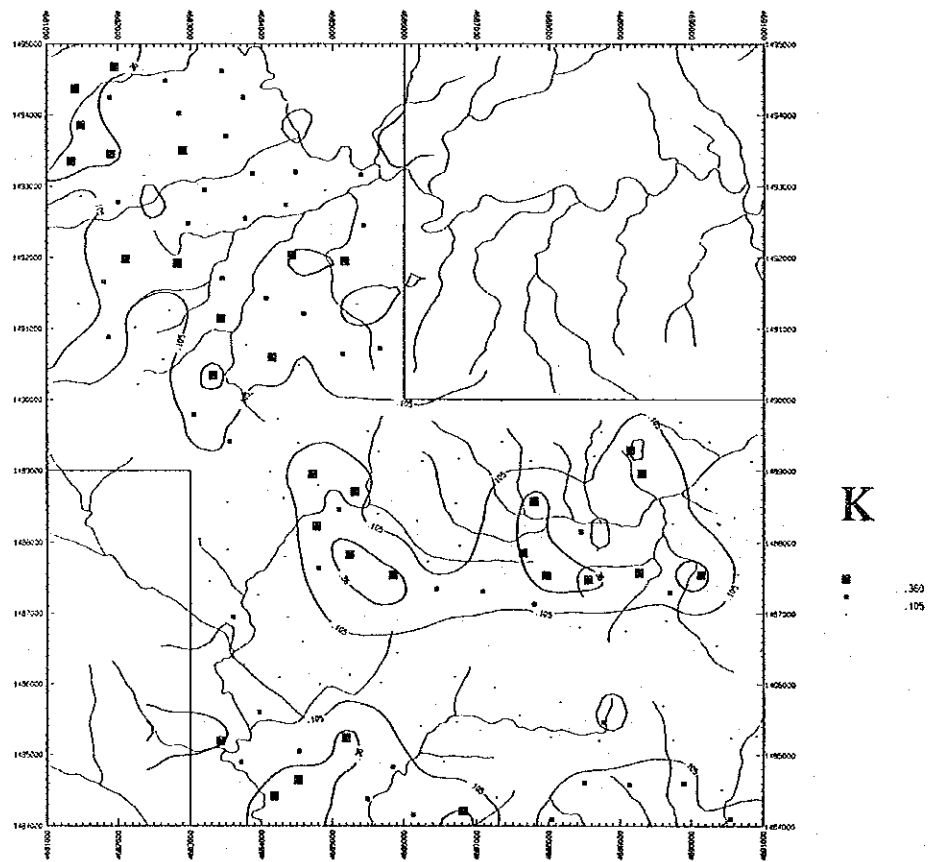
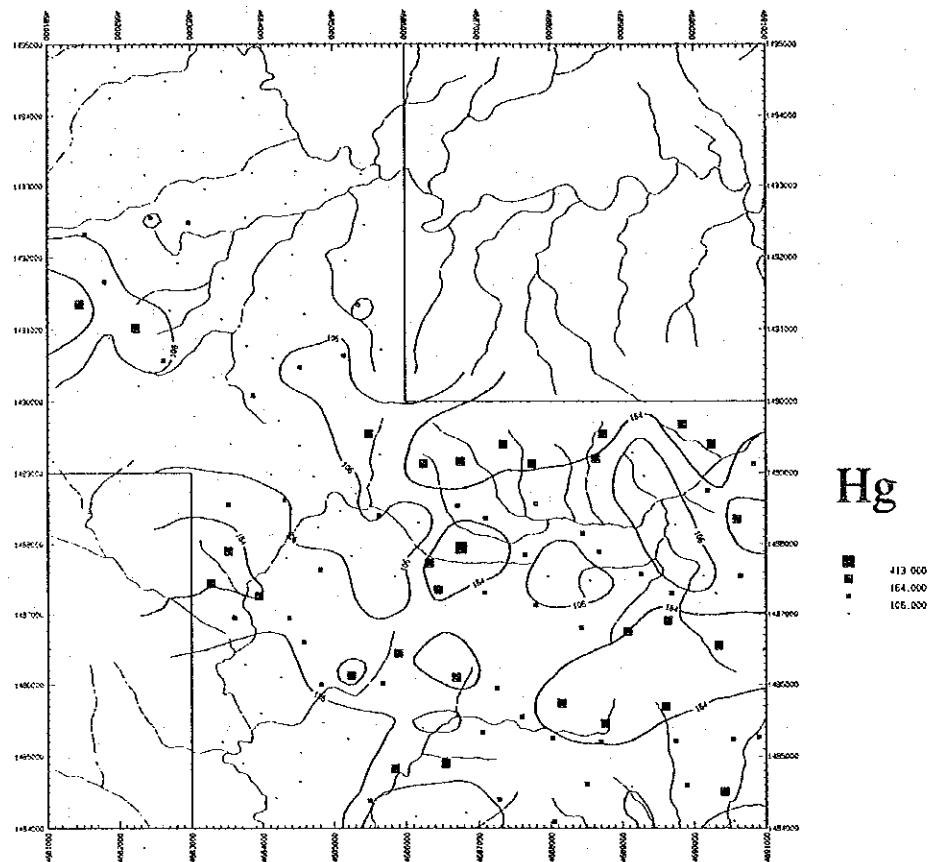
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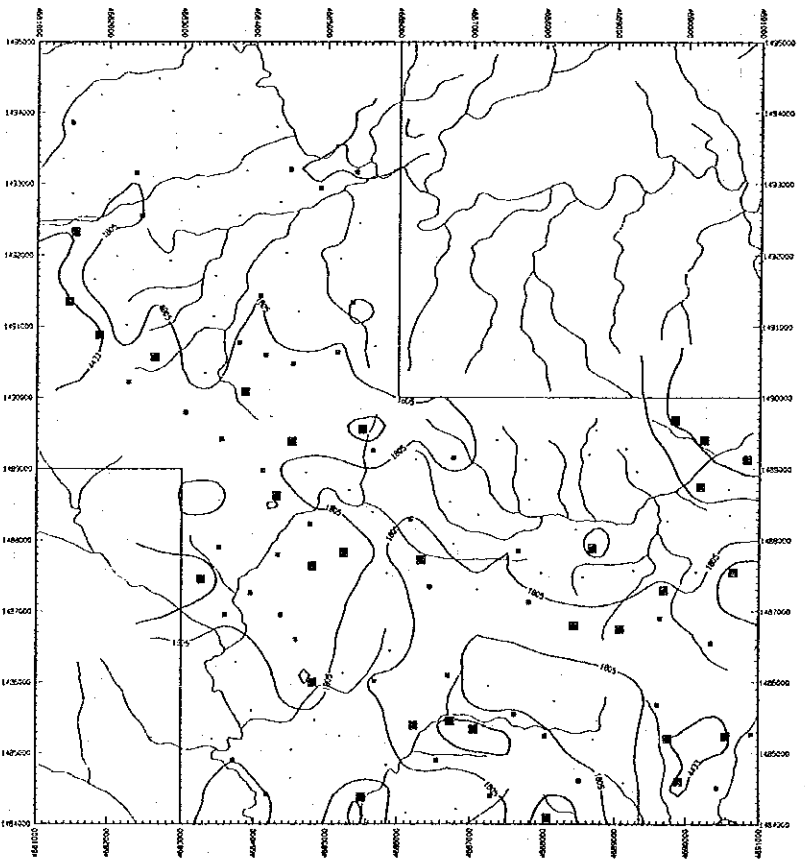
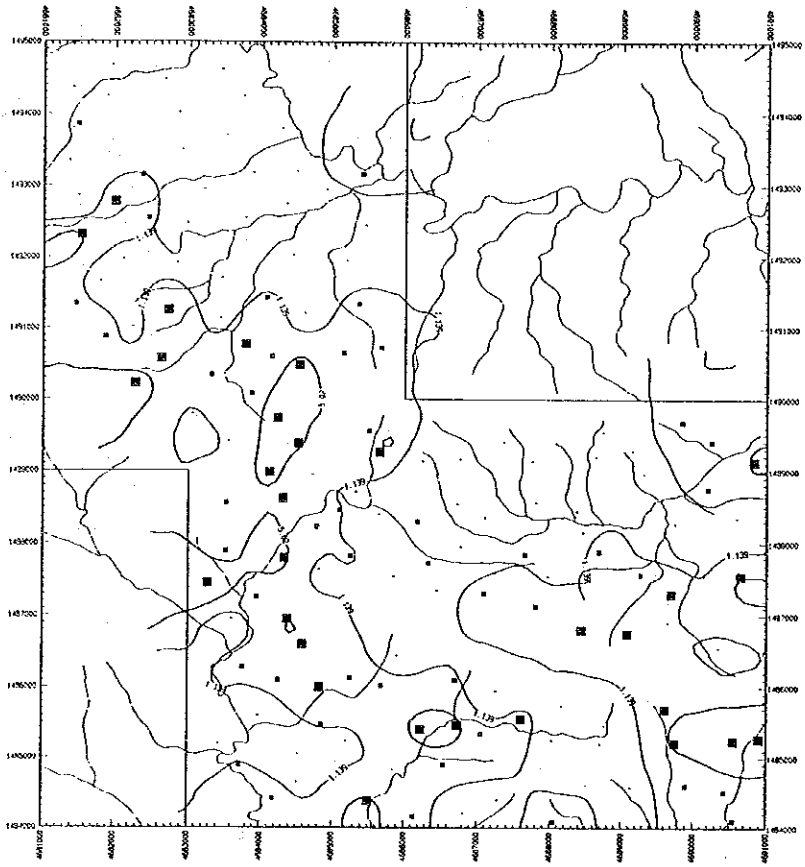
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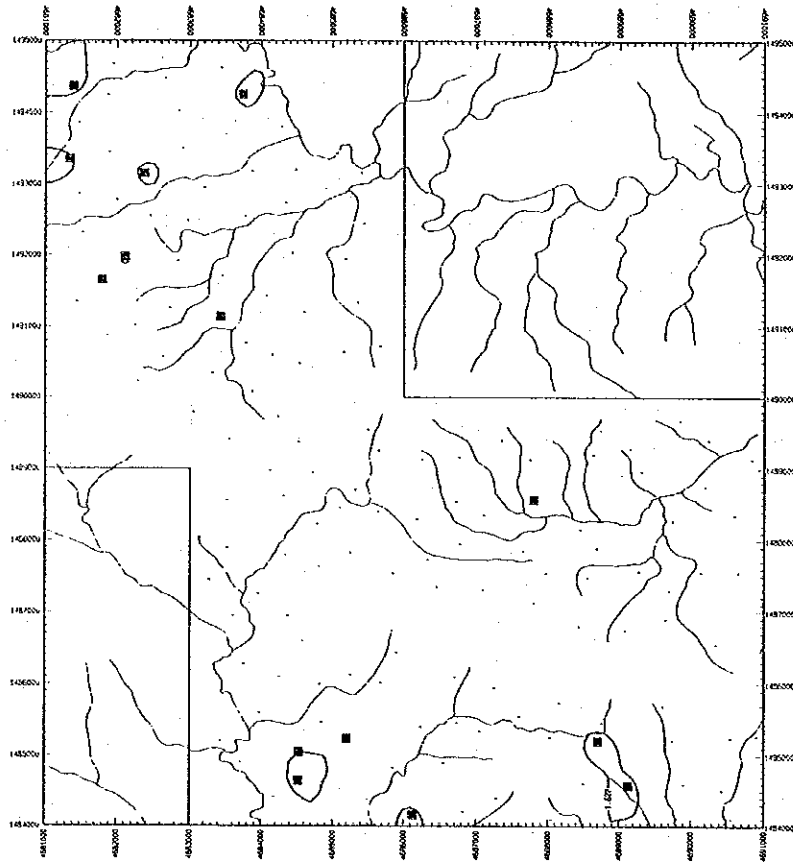


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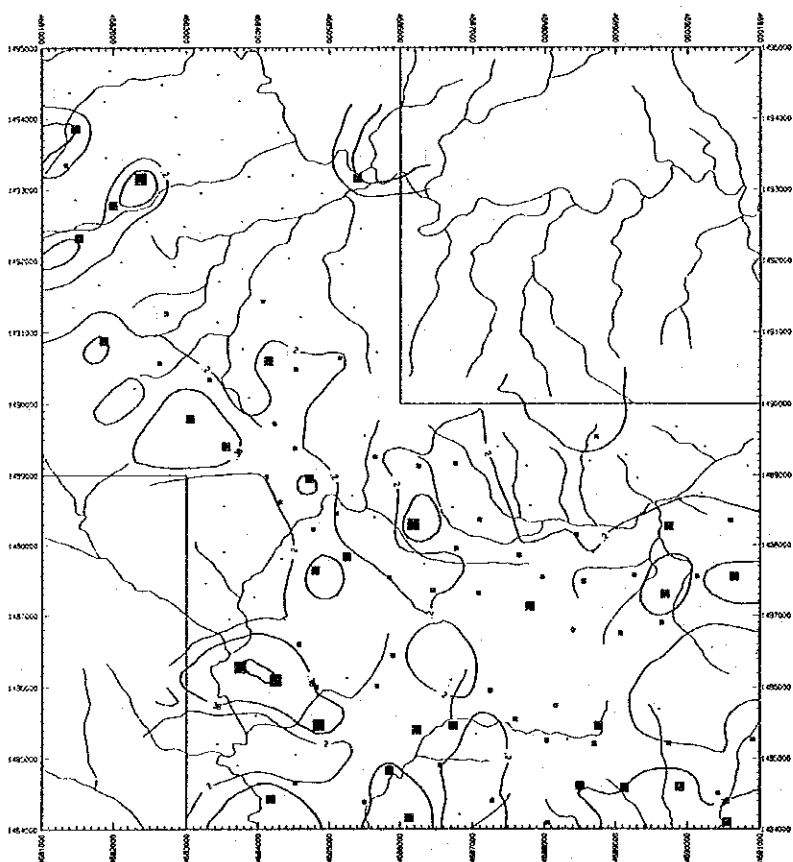
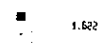




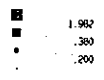
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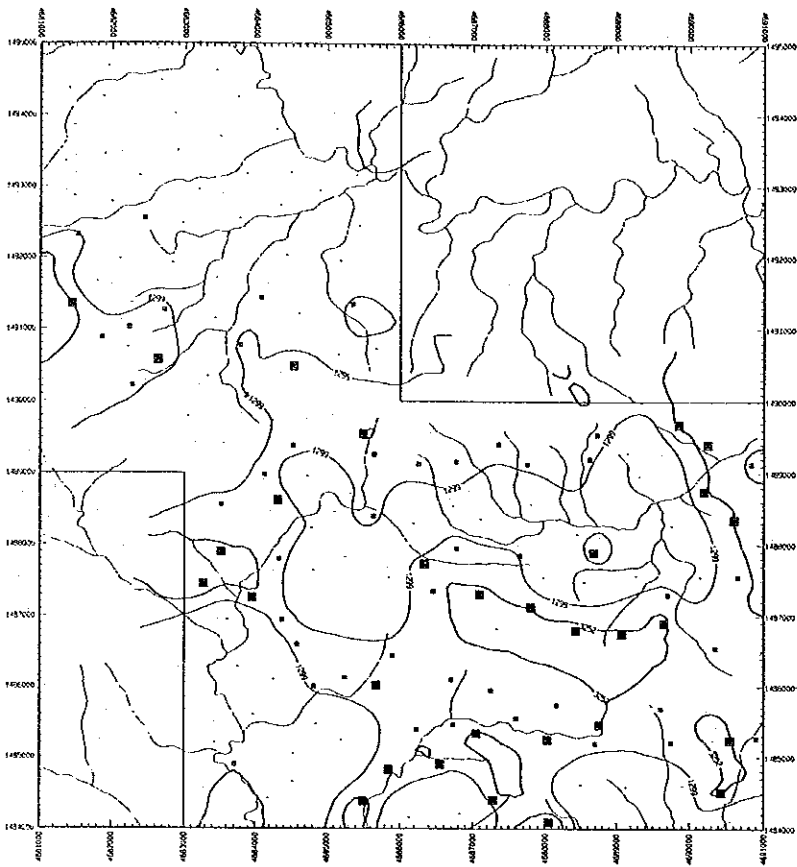
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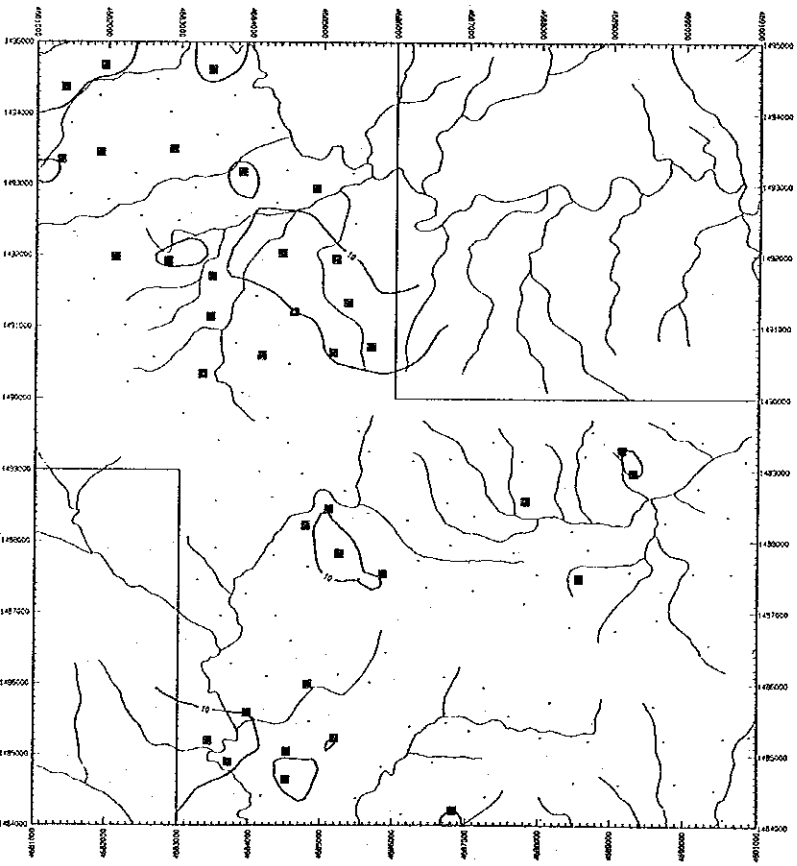
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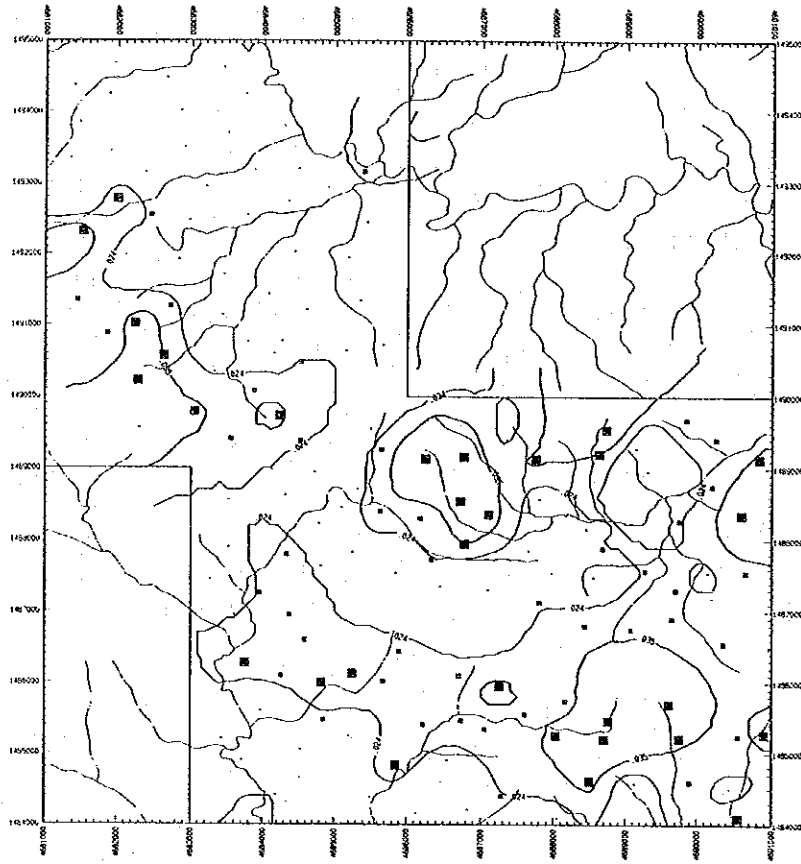


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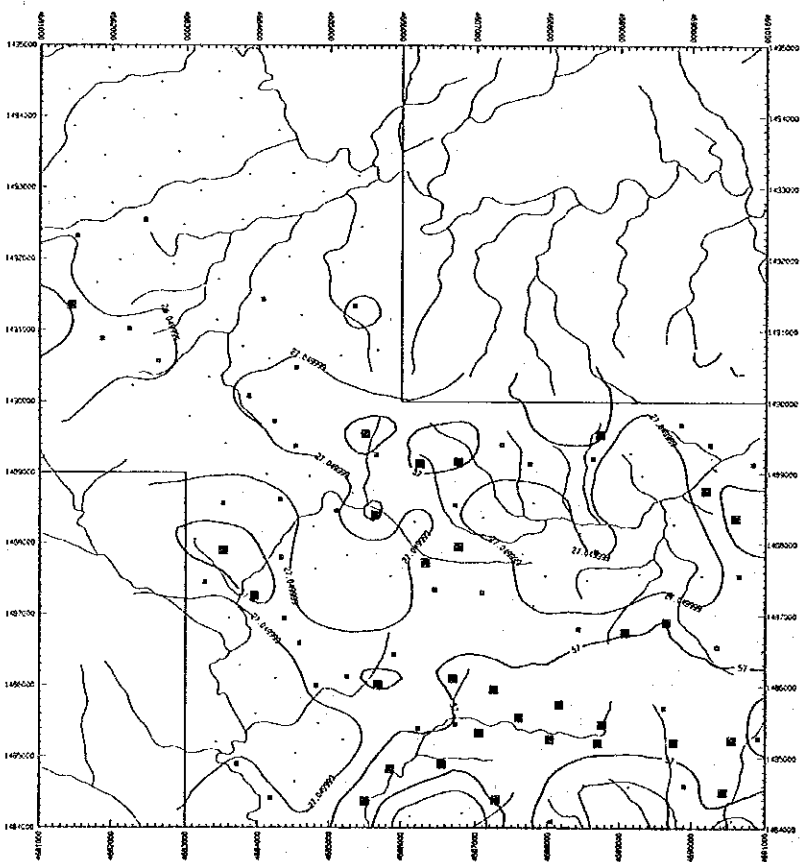
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Soil



S

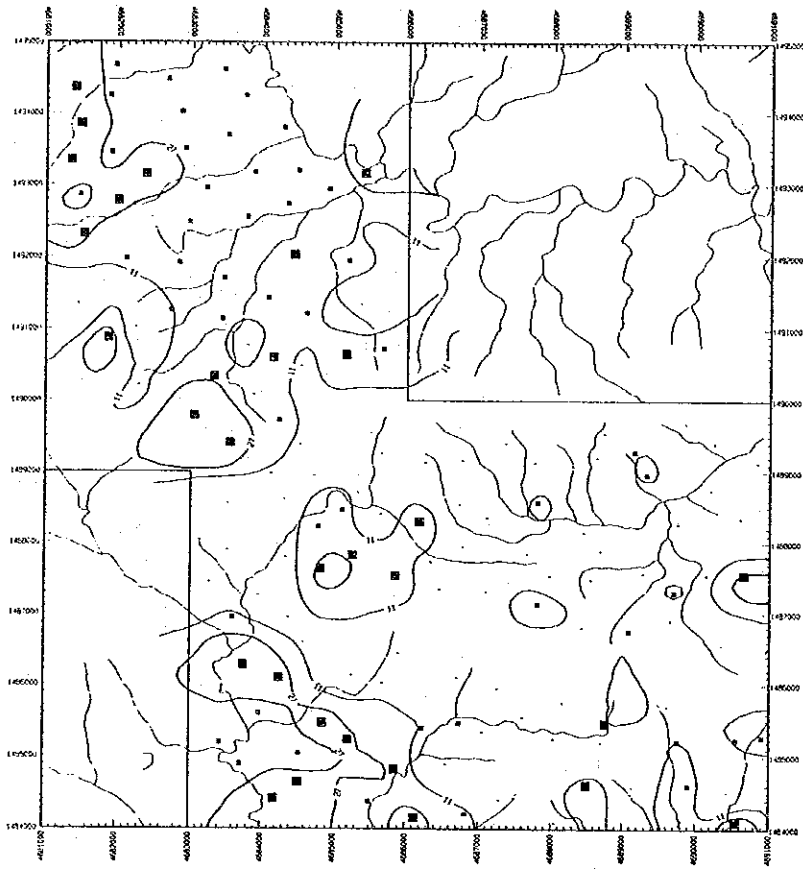
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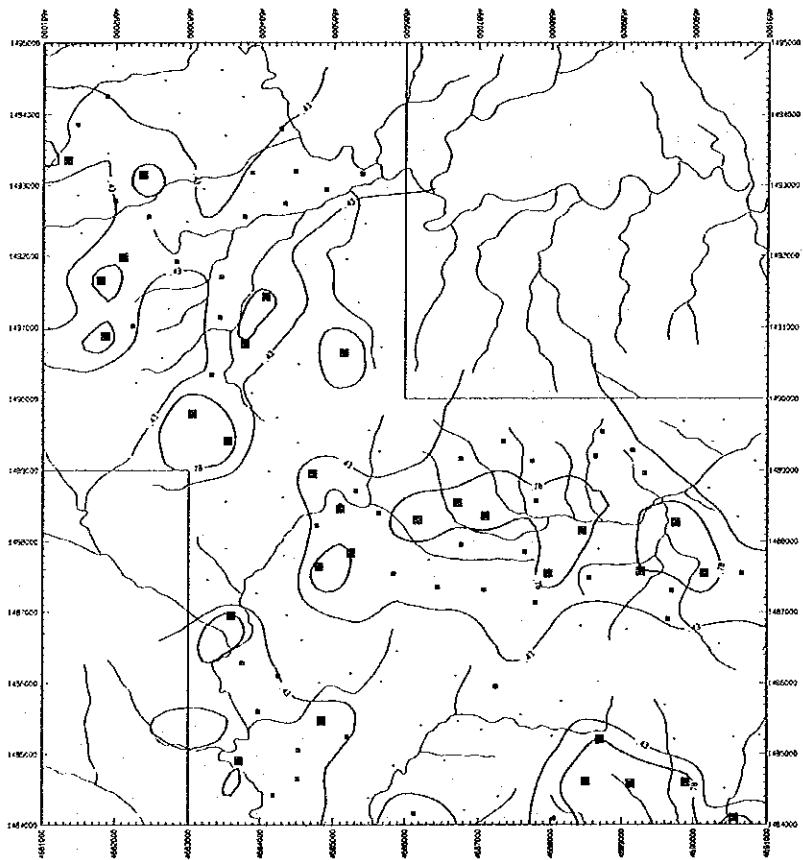
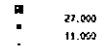
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Soil



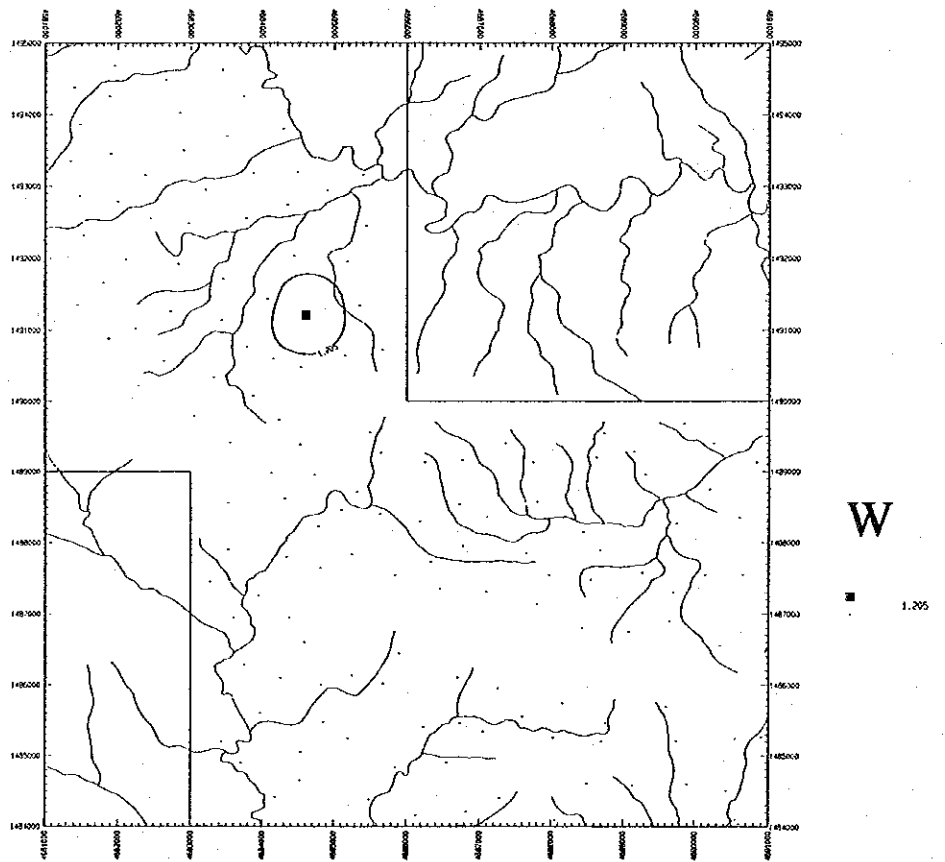
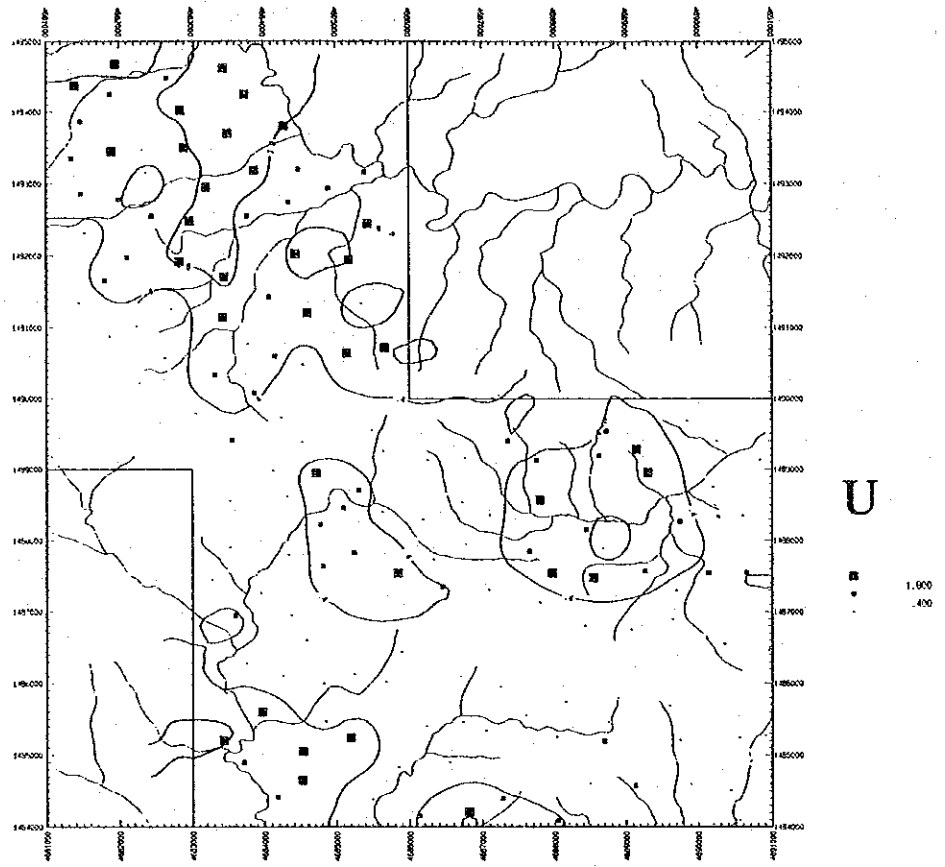
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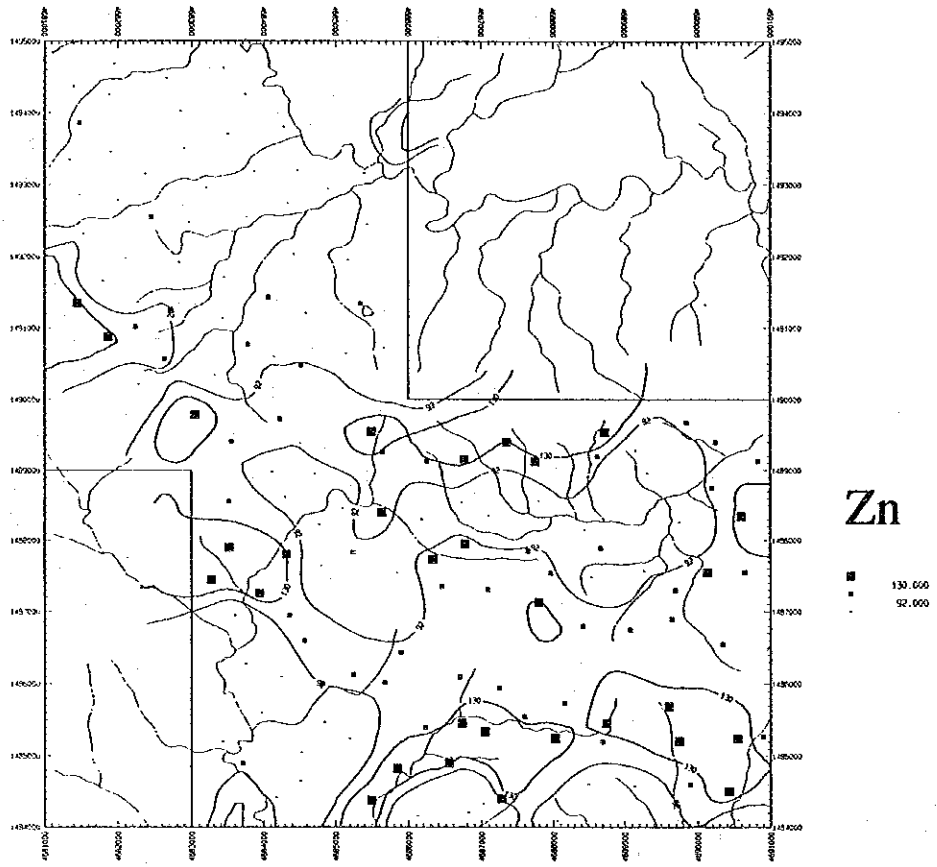
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Soil

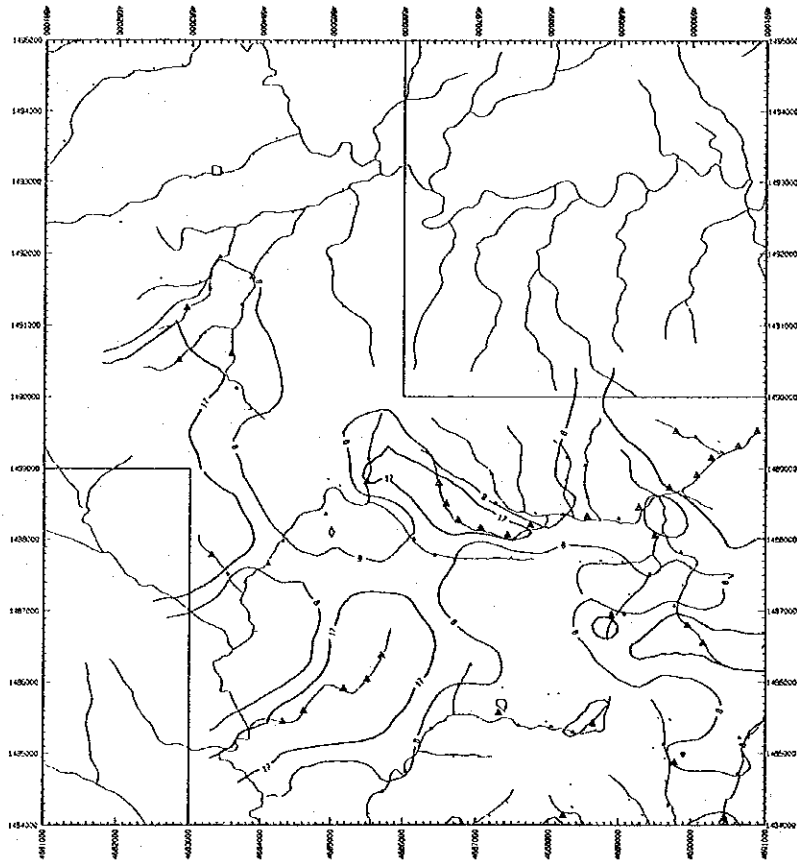


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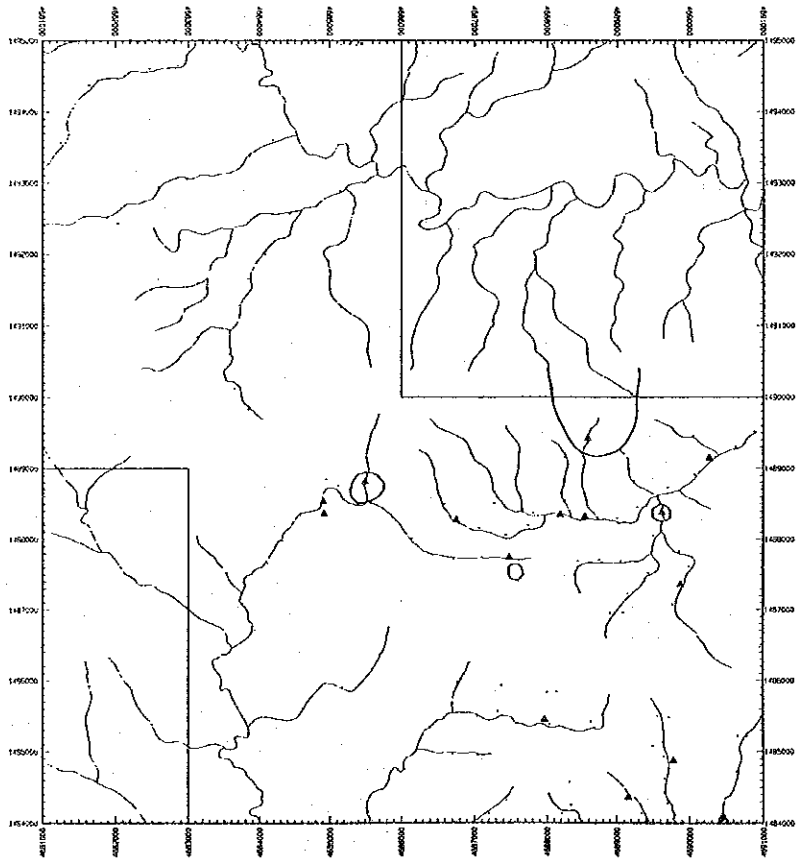


Stream Sediments



As

▲ 17,000  
○ 8,500

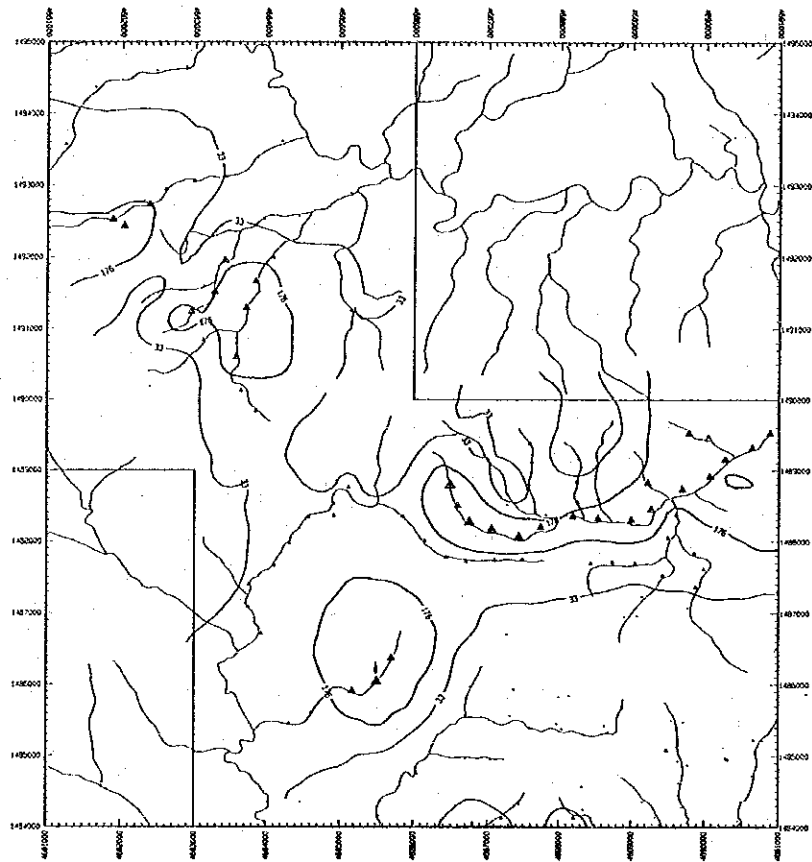


Au

▲ 17,000  
○ 8,500

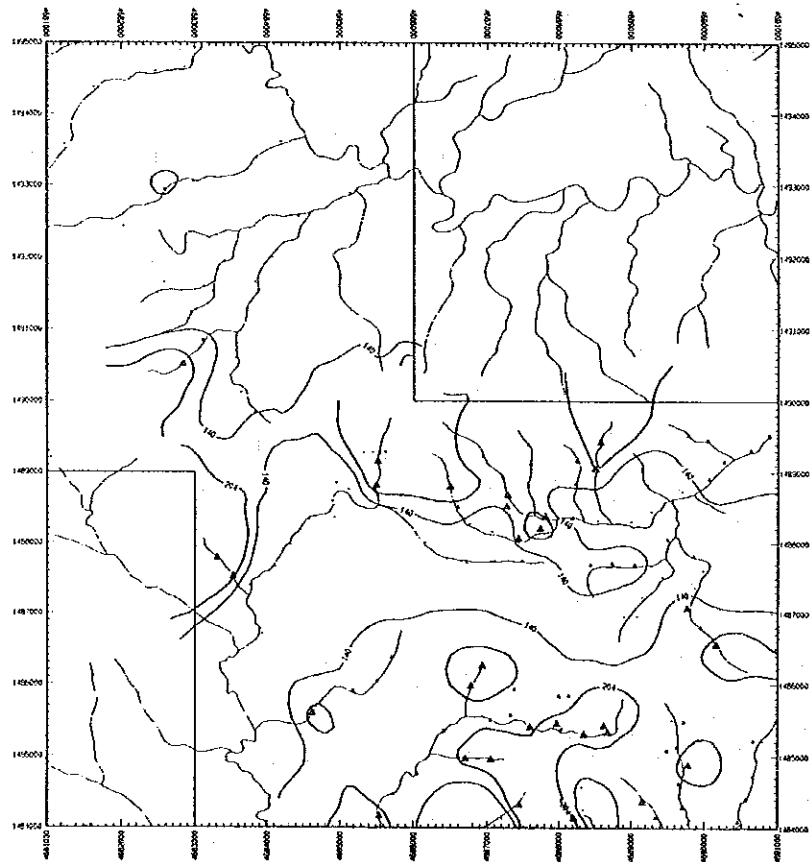


Stream Sediments



Ba

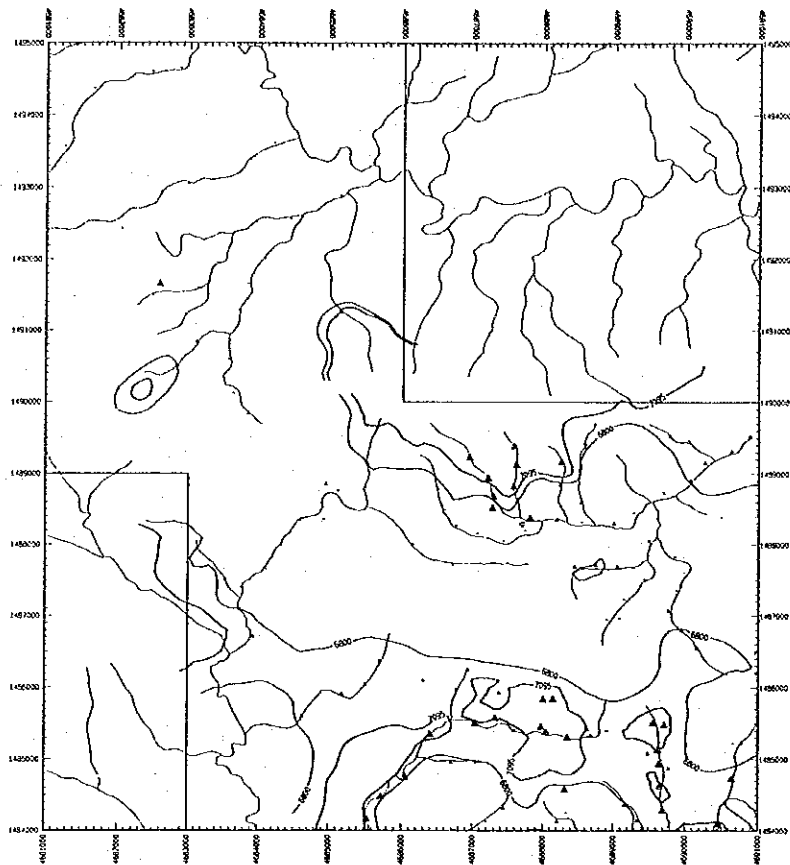
- ▲ 1215,000
- 115,000
- 33,000



Co

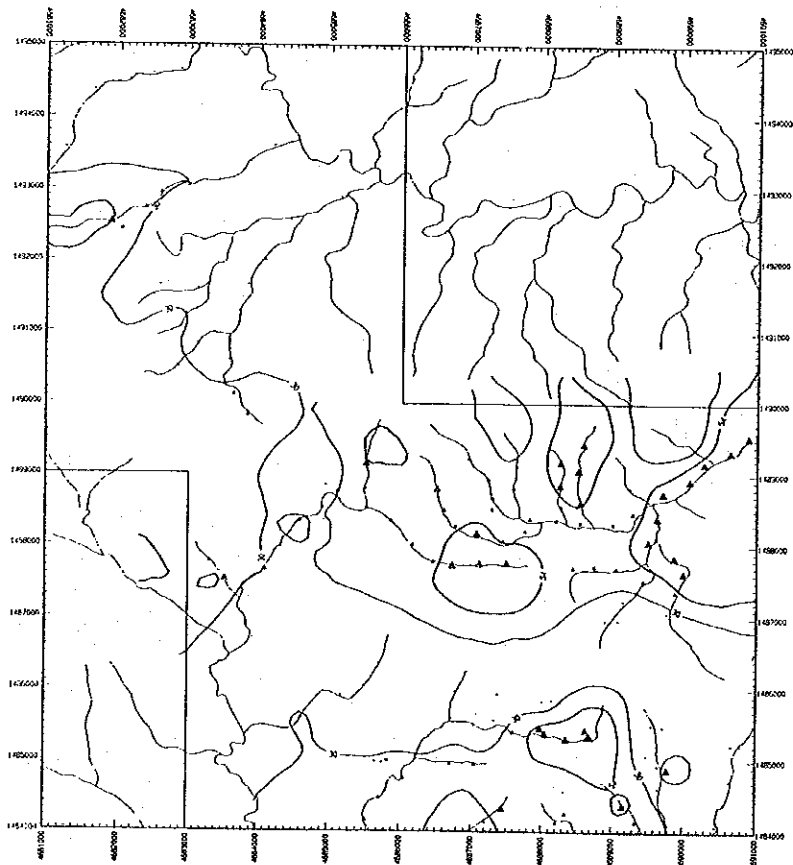
- ▲ 204,000
- 142,000

# Stream Sediments



**Cr**

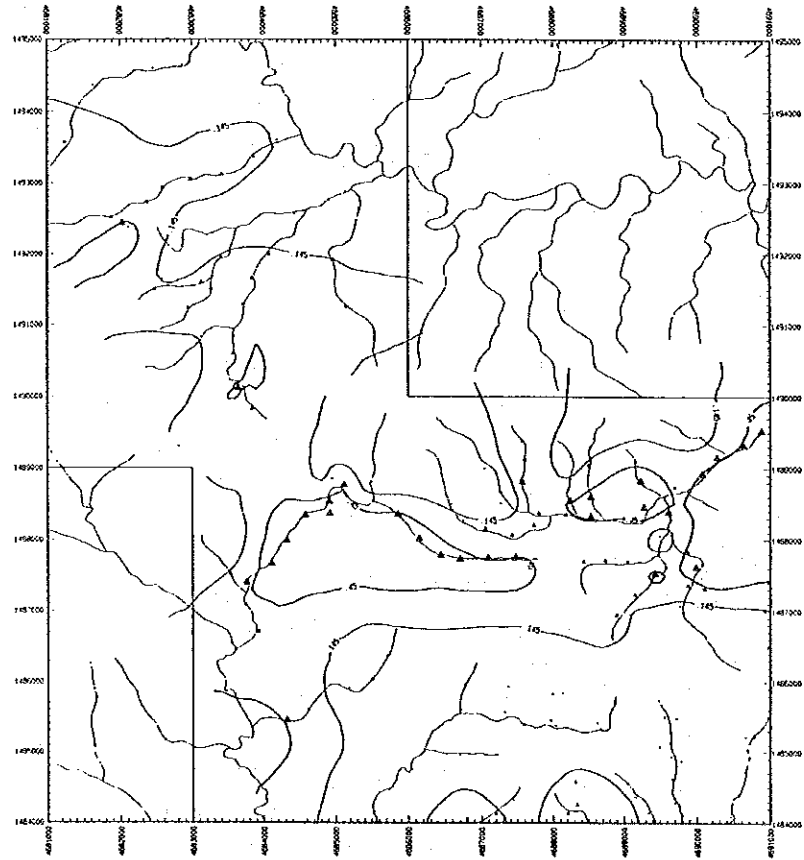
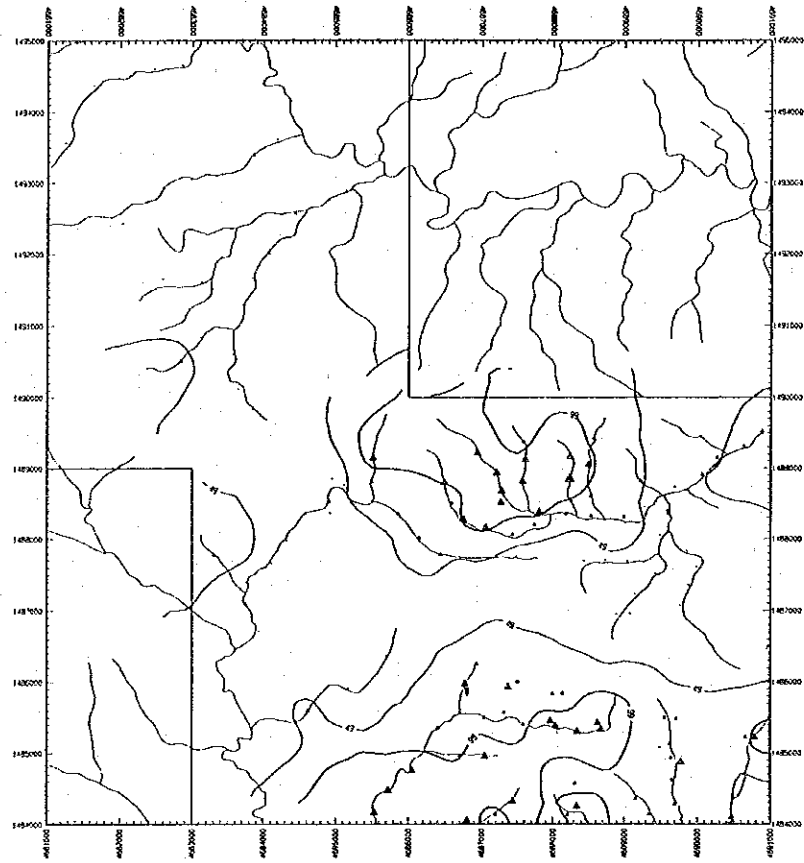
- ▲ 7095.000
- 6800.000



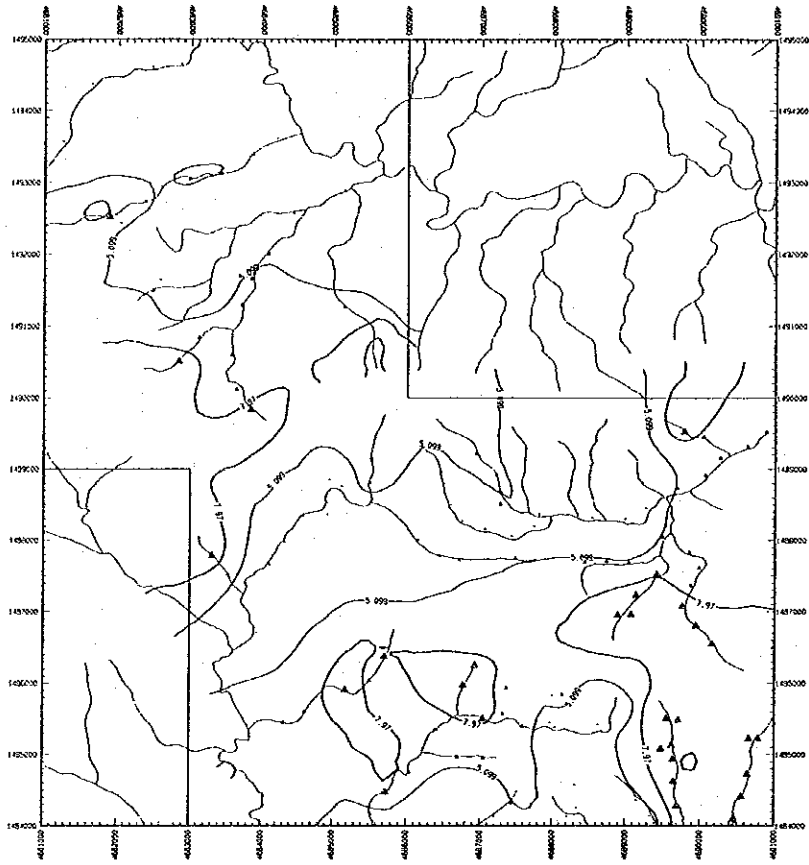
**Cu**

- ▲ 203.000
- 54.000
- 39.620

# Stream Sediments

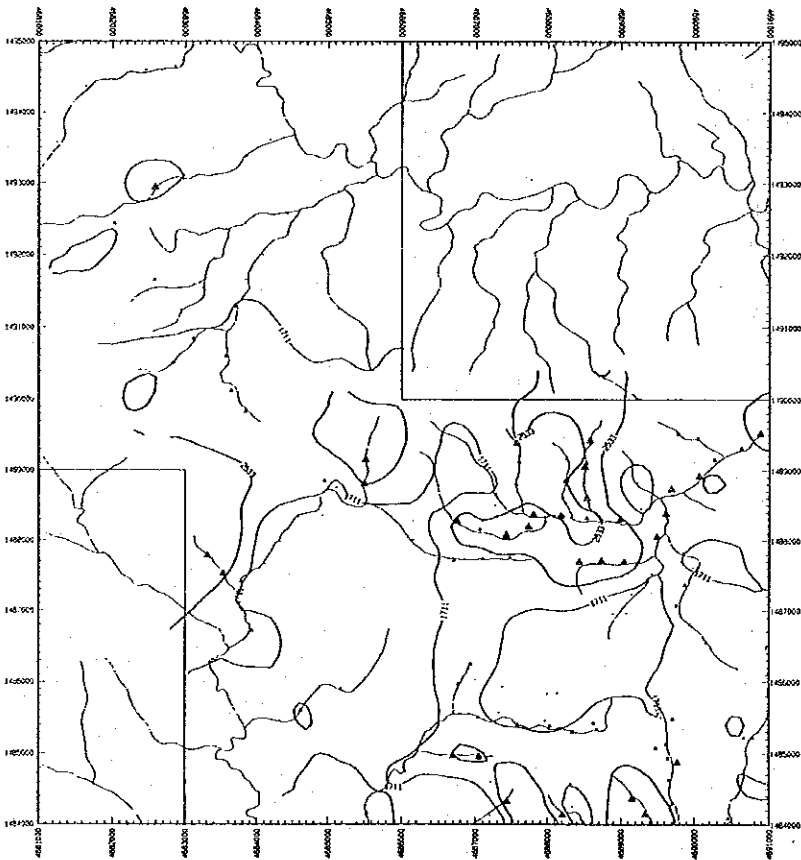


Stream Sediments



Mg

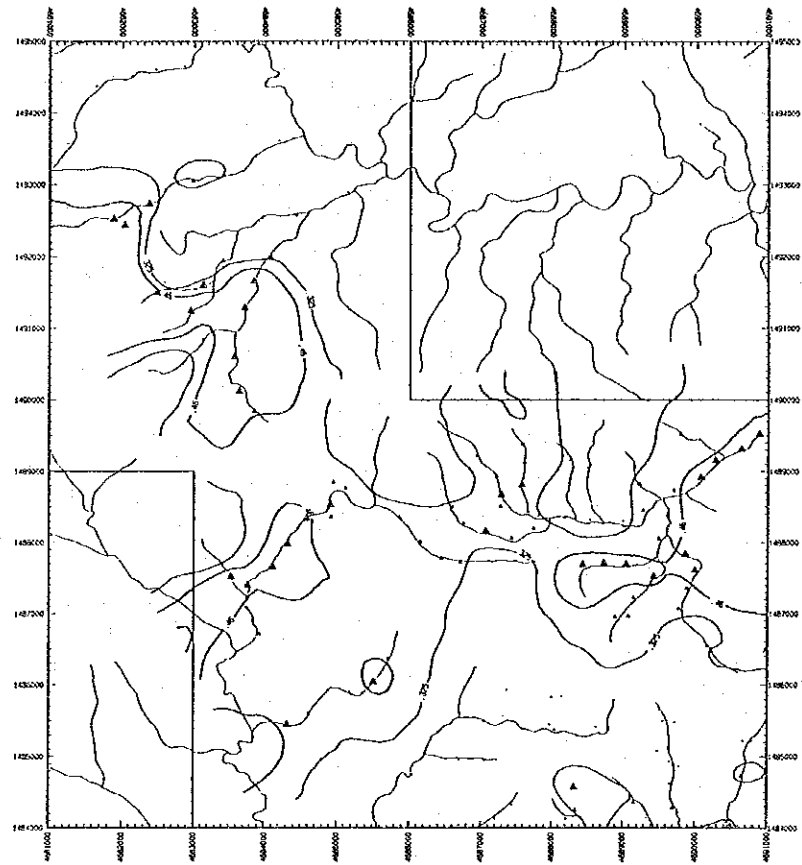
- ▲ 7.970
- 5.099



Mn

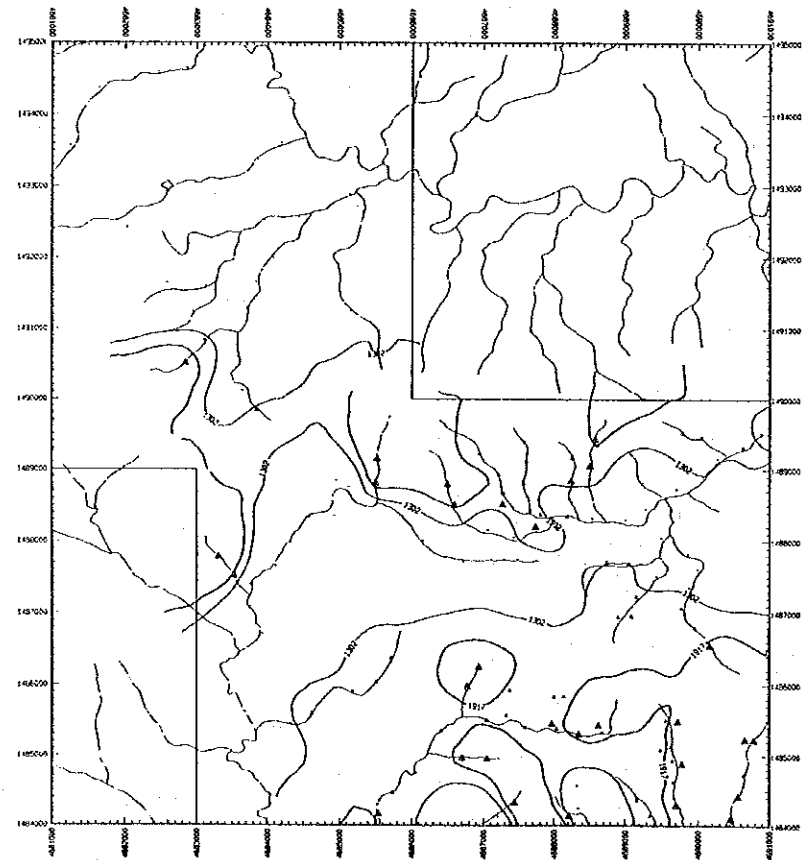
- ▲ 5659.000
- 2533.000
- 1711.000

# Stream Sediments



Na

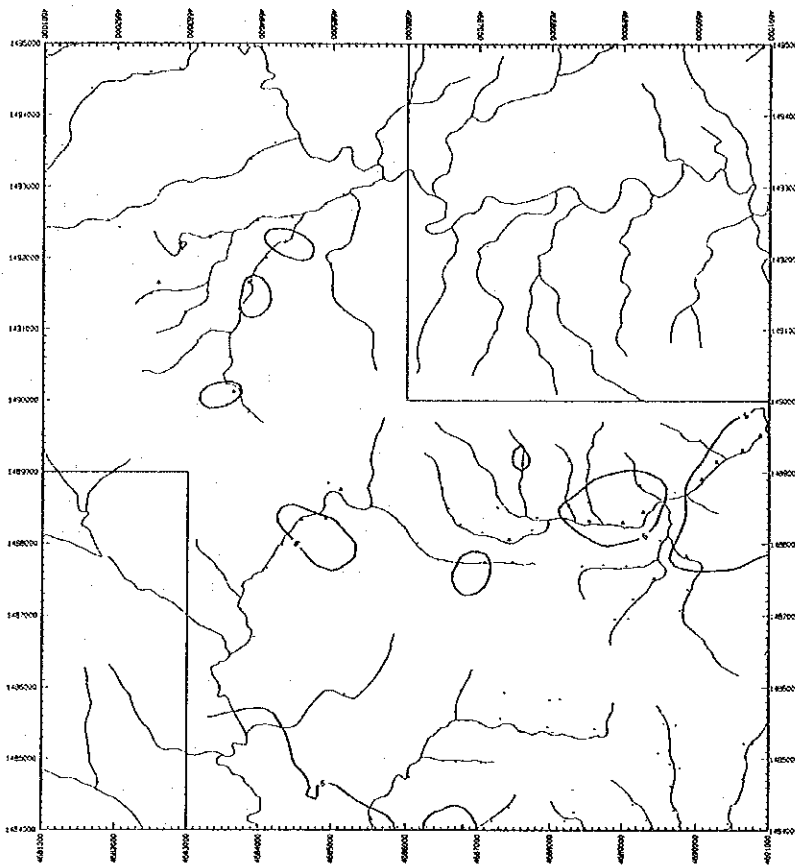
▲ 450  
● 325



Ni

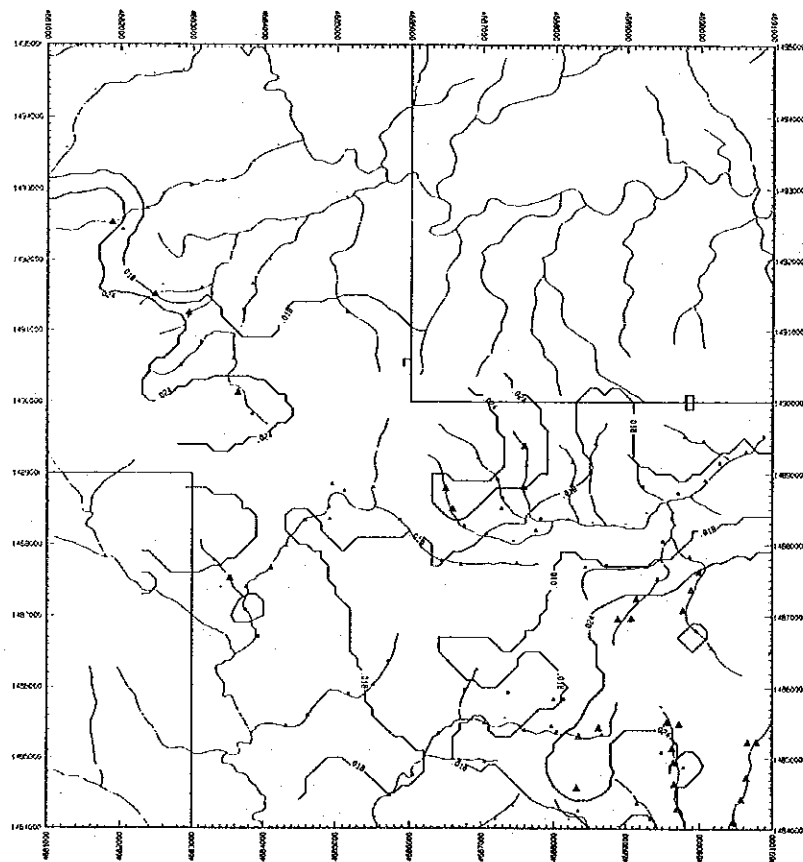
▲ 1317.000  
● 1302.000

Stream Sediments



Pb

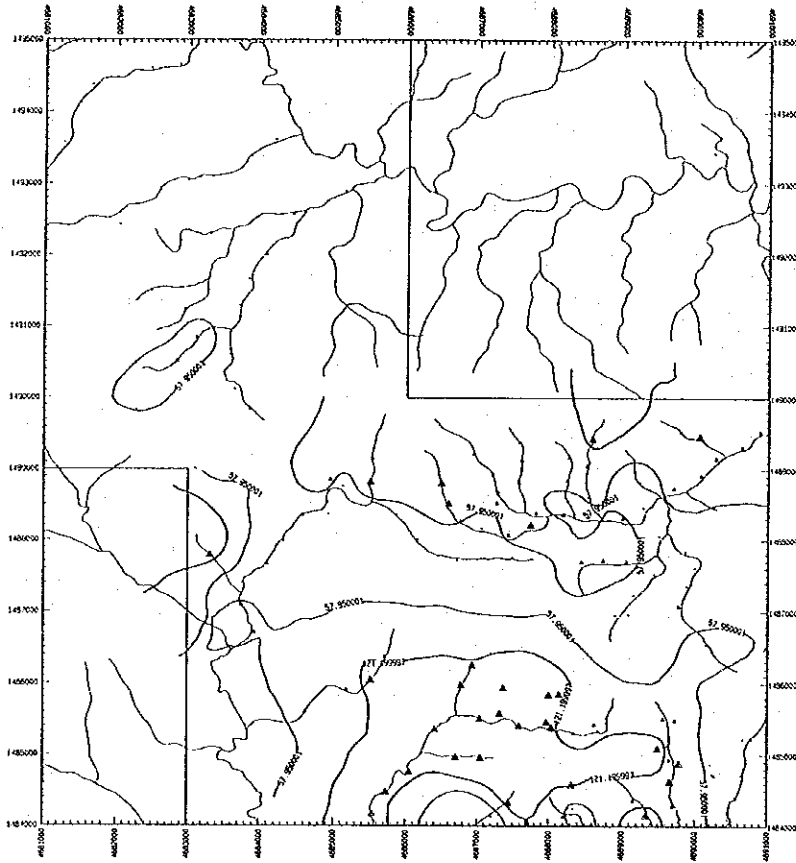
5.000



S

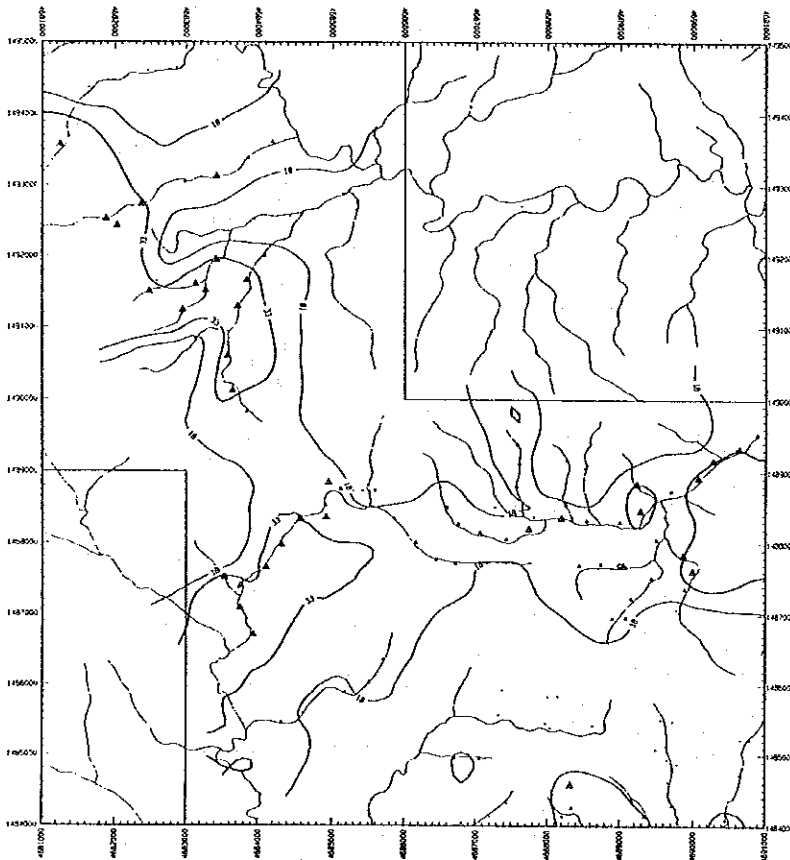
.024  
.018

Stream Sediments



Sb

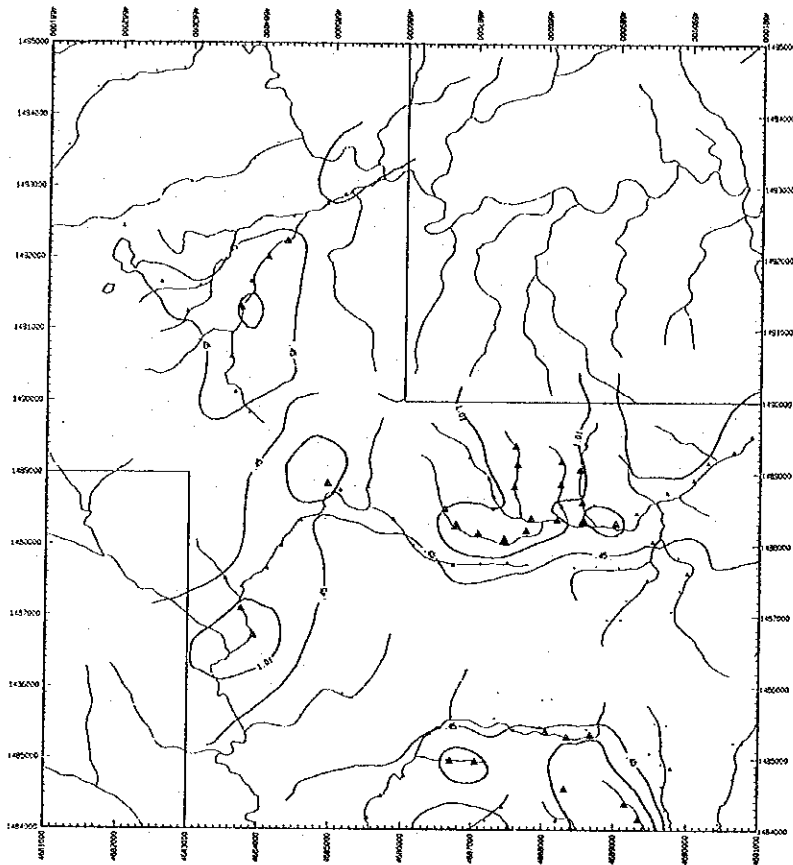
▲ 121.200  
● 57.950



Sr

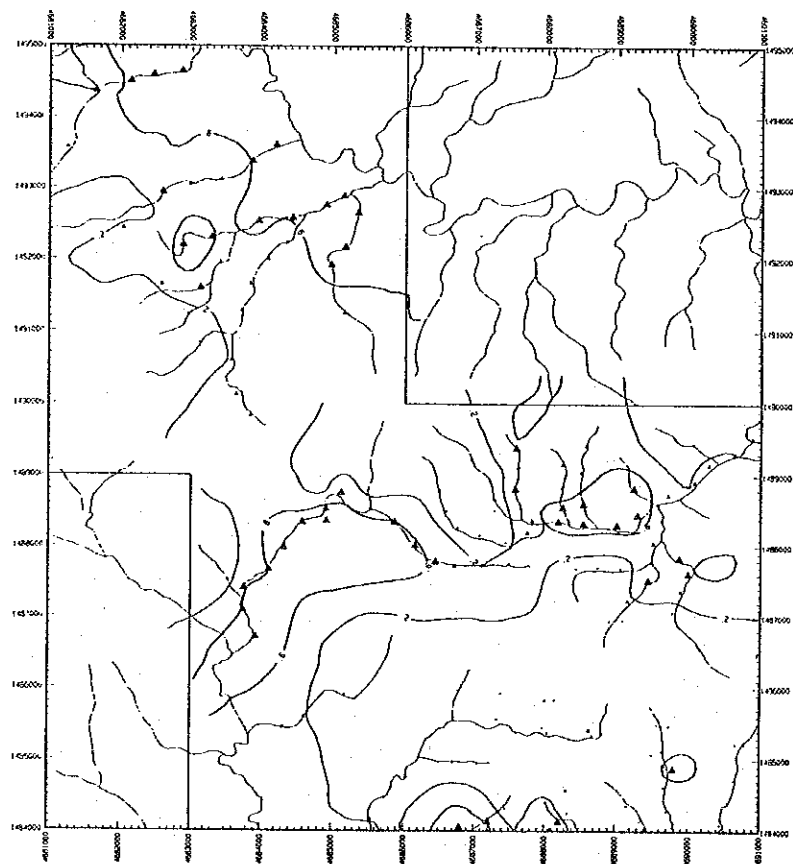
▲ 33.000  
● 18.000

Stream Sediments



Ti

- ▲ 5.630
- 1.010
- .450

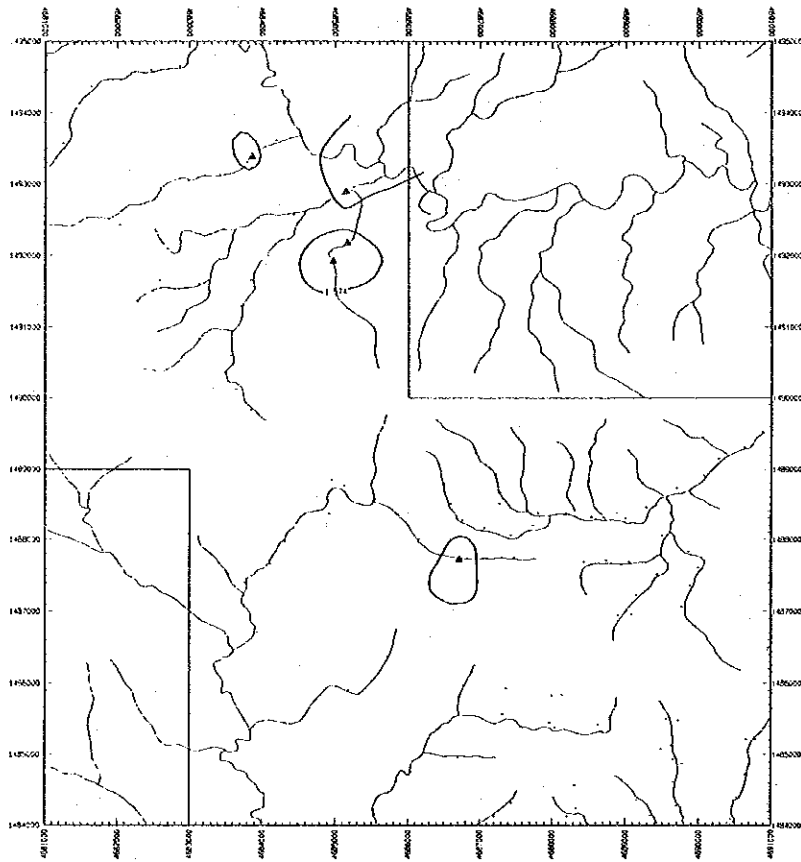


U

- ▲ 600
- 200

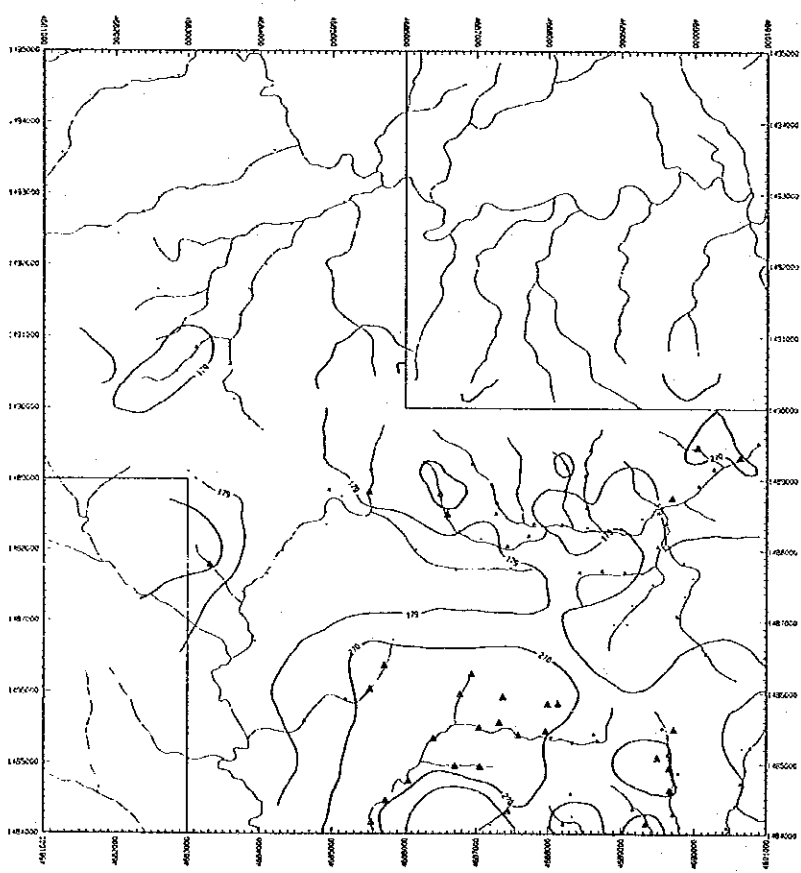


# Stream Sediments



W

▲ 1.574



Zn

▲ 270,000  
▲ 179,000

Appendix 27

List of stream sediment geochemical samples in Area R



Ser. No.	Sample No.	Coordinates		Name of Stream	Geology	Geol. Unit	Order	Width (m)	Flow *1	Size *2	Color
		N	E								
1	LR501	1494.65	4682.86	S. Randapan	—	P <sub>2</sub> Cr	1	1.5	2	3	L.B.
2	LR502	1494.60	4682.46	S. Randapan	—	P <sub>2</sub> Cr	1	2.5	2	3	L.B.
3	LR503	1494.51	4682.13	S. Randapan	—	P <sub>2</sub> Cr	1	1.5	1	3	L.B.
4	LR504	1494.37	4681.64	S. Randapan	sandstone	P <sub>2</sub> Cr	1	1.5	2	3	L.G.
5	LR505	1493.57	4681.25	S. Randapan	—	P <sub>2</sub> Cr	1	1.5	2	3	Y.B.
6	LR506	1493.61	4684.19	S. Kelugu. K.	—	P <sub>2</sub> Cr	2	4.0	2	1	Y.B.
7	LR507	1493.38	4683.86	S. Kelugu. K.	—	P <sub>2</sub> Cr	2	3.0	2	1	B.
8	LR508	1493.12	4683.42	S. Kelugu. K.	—	P <sub>2</sub> Cr	2	3.0	2	1	B.
9	LR509	1493.05	4682.98	S. Kelugu. K.	—	P <sub>2</sub> Cr	2	2.0	3	1	B.
10	LR510	1492.94	4682.59	S. Kelugu. K.	—	Csba	2	2.5	2	1	B.
11	LR511	1492.73	4682.37	S. Kelugu. K.	dolerite	Csba	2	3.0	2	1	R.B.
12	LR512	1492.43	4682.03	S. Kelugu. K.	—	Csba	1	1.5	3	1	R.B.
13	LR513	1492.52	4681.88	S. Kelugu. K.	basalt	Csba	1	2.0	3	1	R.B.
14	LR514	1492.89	4685.14	S. Kelugu. K.	—	P <sub>2</sub> Cr	4	4.0	3	1	Y.B.
15	LR515	1492.76	4684.90	S. Kelugu. B.	—	P <sub>2</sub> Cr	4	5.0	2	1	Y.B.
16	LR516	1492.57	4684.43	S. Kelugu. B.	—	P <sub>2</sub> Cr	3	2.5	2	1	Y.B.
17	LR517	1492.53	4683.95	S. Kelugu. B.	—	P <sub>2</sub> Cr	3	2.5	2	1	Y.B.
18	LR518	1492.30	4683.29	S. Kelugu. B.	—	P <sub>2</sub> Cr	2	1.5	2	1	B.
19	LR519	1492.20	4682.88	S. Kelugu. B.	—	P <sub>2</sub> Cr	1	1.0	1	1	Y.G.
20	LR520	1491.95	4683.41	S. Kelugu. B.	sandstone	P <sub>2</sub> Cr	2	2.5	2	1	B.
21	LR521	1491.60	4683.13	S. Kelugu. B.	sandstone	P <sub>2</sub> Cr	2	1.5	2	1	B.
22	LR522	1491.50	4682.48	S. Kelugu. B.	basalt	Csba	1	1.0	2	1	B.
23	LR523	1491.65	4682.58	S. Kelugu. B.	peridotite	Pr	1	1.5	2	1	B.
24	LR524	1491.51	4683.27	S. Kelugu. B.	—	P <sub>2</sub> Cr	1	1.0	2	1	B.
25	LR525	1491.24	4682.95	S. Kelugu. B.	basalt	Csba	1	2.0	2	1	B.
26	LR526	1492.23	4684.35	S. Kelugu. B.	—	P <sub>2</sub> Cr	3	4.0	2	1	B.
27	LR527	1492.00	4684.08	S. Kelugu. B.	—	P <sub>2</sub> Cr	3	4.0	3	1	B.
28	LR528	1491.66	4683.84	S. Kelugu. B.	sandstone	P <sub>2</sub> Cr	3	3.0	3	1	B.
29	LR529	1491.29	4683.71	S. Kelugu. B.	—	P <sub>2</sub> Cr	3	4.0	3	1	B.
30	LR530	1490.60	4683.57	S. Kelugu. B.	—	Pr	2	2.0	2	3	B.
31	LR531	1490.12	4683.64	S. Kelugu. B.	—	Pr	1	1.0	2	3	B.
32	LR532	1489.83	4683.84	S. Kelugu. B.	—	P <sub>2</sub> Cr	1	1.0	3	1	R.B.
33	LR533	1490.84	4683.12	S. Kelugu. B.	—	Pr	1	2.0	3	1	B.
34	LR534	1490.51	4682.84	S. Kelugu. B.	peridotite	Pr	1	2.0	4	1	B.
35	LR535	1492.65	4685.33	S. Kelugu. B.	—	P <sub>2</sub> Cr	2	2.0	2	1	Y.B.
36	LR536	1492.17	4685.16	S. Kelugu. B.	—	P <sub>2</sub> Cr	2	2.0	2	1	Y.B.
37	LR537	1491.92	4684.97	S. Kelugu. B.	—	P <sub>2</sub> Cr	2	2.0	2	1	Y.B.
38	LR538	1491.26	4685.15	S. Kelugu. B.	—	P <sub>2</sub> Cr	1	2.0	4	2	B.
39	LR539	1486.71	4683.93	S. Bangkulat	sandstone	P <sub>2</sub> Cr	3	10.0	4	3	B.
40	LR540	1487.09	4683.75	S. Bangkulat	green schist	Gs	3	11.0	4	3	R.B.
41	LR541	1487.40	4683.76	S. Bangkulat	peridotite	Pr	3	8.0	4	3	B.
42	LR542	1487.66	4684.11	S. Bangkulat	—	Pr	3	8.0	4	3	B.
43	LR543	1487.98	4684.32	S. Bangkulat	peridotite	Pr	3	7.0	4	3	B.
44	LR544	1488.34	4684.58	S. Bangkulat	peridotite	Pr	3	10.0	3	3	B.
45	LR545	1488.53	4684.91	S. Bangkulat	—	Gs	3	3.5	3	2	R.B.
46	LR546	1488.76	4685.12	S. Bangkulat	—	Gs	2	3.0	3	3	R.B.
47	LR547	1488.35	4685.86	S. Bangkulat	green schist	Gs	2	4.0	3	3	R.B.
48	LR548	1488.01	4686.15	S. Bangkulat	—	Pr	2	3.0	4	3	R.B.
49	LR549	1487.78	4686.44	S. Bangkulat	—	Pr	2	3.5	4	3	R.B.
50	LR550	1487.72	4686.71	S. Bangkulat	peridotite	Pr	2	2.5	3	2	D.B.

\*1: none (0), puddle (1), slow (2), moderate (3), fast (4)

\*2: coarse grained (1), medium grained (2), fine grained (3), clayey (4)

Ser. No.	Sample No.	Coordinates		Name of Stream	Geology	Geol. Unit	Order	Width (m)	Flow *1	Size *2	Color
		N	E								
51	LR551	1487.74	4687.10	S. Bangkulat	chert	Gs	2	2.0	3	1	D.B.
52	LR552	1487.75	4687.48	S. Bangkulat	chert	Gs	1	2.0	3	1	D.B.
53	LR553	1487.52	4683.53	S. Bangkulat	————	Pr	1	3.5	3	2	B.
54	LR554	1487.78	4683.31	S. Bangkulat	peridotite	Pr	1	2.5	4	2	B.
55	LR555	1488.36	4684.92	S. Bangkulat	————	Pr	1	0.5	3	3	B.
56	LR556	1488.85	4684.95	S. Bangkulat	————	Gs	1	2.0	3	3	R.B.
57	LR557	1488.81	4685.50	S. Bangkulat	————	Pr	1	2.5	4	3	B.
58	LR558	1489.15	4685.52	S. Bangkulat	————	Pr	1	2.5	4	3	B.
59	LR559	1485.45	4684.32	S. Bangkulat	mudstone	P <sub>2</sub> Cr	2	2.0	3	3	R.B.
60	LR560	1485.60	4684.62	S. Bangkulat	————	P <sub>2</sub> Cr	2	3.0	3	3	D.B.
61	LR561	1485.91	4685.18	S. Bangkulat	peridotite	Pr	2	9.0	3	2	D.B.
62	LR562	1486.04	4685.51	S. Bangkulat	peridotite	Pr	1	6.0	3	2	D.B.
63	LR563	1486.37	4685.71	S. Bangkulat	peridotite	Pr	1	4.0	3	2	D.B.
64	LR564	1489.52	4690.88	S. Numatoi	green schist	Gs	3	7.0	3	1	D.B.
65	LR565	1489.31	4690.63	S. Numatoi	green schist	Gs	3	7.0	3	1	D.B.
66	LR566	1489.15	4690.27	S. Numatoi	green schist	Gs	3	6.0	3	1	D.B.
67	LR567	1488.91	4690.07	S. Numatoi	green schist	Gs	3	5.0	3	1	D.B.
68	LR568	1488.73	4689.70	S. Numatoi	green schist	Gs	3	5.0	3	1	D.B.
69	LR569	1488.45	4689.28	S. Numatoi	————	Gs	3	3.0	2	2	B.
70	LR570	1488.30	4689.00	S. Numatoi	peridotite	Pr	3	4.0	2	1	B.
71	LR571	1488.32	4688.54	S. Numatoi	peridotite	Pr	3	3.0	3	1	B.
72	LR572	1488.35	4688.19	S. Numatoi	————	Pr	3	2.5	2	2	B.
73	LR573	1488.20	4687.74	S. Numatoi	peridotite	Pr	2	2.5	3	1	B.
74	LR574	1488.06	4687.43	S. Numatoi	peridotite	Pr	2	2.0	2	2	B.
75	LR575	1488.16	4687.06	S. Numatoi	————	Pr	2	2.5	2	2	B.
76	LR576	1488.27	4686.75	S. Numatoi	peridotite	Pr	2	2.0	2	2	B.
77	LR577	1488.50	4686.59	S. Numatoi	peridotite	Pr	2	1.5	3	1	B.
78	LR578	1488.79	4686.49	S. Numatoi	peridotite	Pr	2	1.5	3	1	B.
79	LR579	1489.45	4690.05	S. Numatoi	green schist	Gs	1	1.0	3	1	D.B.
80	LR580	1489.52	4689.79	S. Numatoi	green schist	Gs	1	1.0	3	1	D.B.
81	LR581	1488.38	4689.62	S. Numatoi	basalt	Csba	3	4.0	3	1	D.B.
82	LR582	1487.83	4689.86	S. Numatoi	basalt	Gs	2	3.0	3	1	D.B.
83	LR583	1487.61	4689.99	S. Numatoi	peridotite	Gs	1	3.0	3	1	D.B.
84	LR584	1487.36	4689.88	S. Numatoi	green schist	Gs	1	3.0	3	1	D.B.
85	LR585	1487.07	4689.77	S. Numatoi	peridotite	Pr	1	3.0	3	1	D.B.
86	LR586	1486.80	4689.95	S. Numatoi	peridotite	Pr	1	2.0	3	1	D.B.
87	LR587	1486.55	4690.16	S. Numatoi	peridotite	Pr	1	1.0	3	1	D.B.
88	LR588	1488.05	4689.50	S. Numatoi	basalt	Csba	2	3.0	3	1	D.B.
89	LR589	1487.69	4689.05	S. Numatoi	peridotite	Pr	1	1.5	3	1	D.B.
90	LR590	1487.71	4688.74	S. Numatoi	peridotite	Pr	1	1.5	3	1	D.B.
91	LR591	1487.69	4688.44	S. Numatoi	chert	Gs	1	1.5	3	1	D.B.
92	LR592	1487.52	4689.43	S. Numatoi	peridotite	Pr	2	2.0	3	1	D.B.
93	LR593	1487.23	4689.15	S. Numatoi	————	Gs	2	2.0	3	1	D.B.
94	LR594	1486.96	4689.08	S. Numatoi	peridotite	Pr	1	1.0	3	1	D.B.
95	LR595	1486.95	4688.90	S. Numatoi	peridotite	Pr	1	1.0	4	1	D.B.
96	LR596	1488.82	4689.23	S. Numatoi	sandstone	P <sub>2</sub> Cr	1	1.0	3	1	B.
97	LR597	1488.60	4688.54	S. Numatoi	————	Pr	2	1.5	3	1	B.
98	LR598	1489.05	4688.51	S. Numatoi	peridotite	Pr	2	1.0	4	1	B.
99	LR599	1489.42	4688.58	S. Numatoi	peridotite	Pr	1	1.0	4	1	B.
100	LR600	1488.55	4688.25	S. Numatoi	————	Pr	1	1.5	3	1	B.

\*1: none (0), puddle (1), slow (2), moderate (3), fast (4)

\*2: coarse grained (1), medium grained (2), fine grained (3), clayey (4)

Ser. No.	Sample No.	Coordinates		Name of Stream	Geology	Geol. Unit	Order	Width (m)	Flow *1	Size *2	Color
		N	E								
101	LR601	1488.84	4688.24	S. Numatoi	peridotite	Pr	1	2.0	3	1	B.
102	LR602	1489.16	4688.25	S. Numatoi	peridotite	Pr	1	1.0	4	1	B.
103	LR603	1488.37	4687.81	S. Numatoi	peridotite	Pr	3	2.0	3	1	B.
104	LR604	1488.81	4687.57	S. Numatoi	peridotite	Pr	1	2.0	4	1	B.
105	LR605	1489.12	4687.61	S. Numatoi	peridotite	Pr	1	1.0	4	1	B.
106	LR606	1489.38	4687.58	S. Numatoi	peridotite	Pr	1	1.0	4	1	B.
107	LR607	1488.67	4687.28	S. Numatoi	peridotite	Pr	1	2.5	4	1	B.
108	LR608	1488.93	4687.21	S. Numatoi	peridotite	Pr	1	1.5	4	1	B.
109	LR609	1489.22	4686.94	S. Numatoi	peridotite	Pr	1	1.0	4	1	B.
110	LR610	1488.51	4687.27	S. Numatoi	peridotite	Pr	1	0.5	2	1	B.
111	LR611	1484.16	4685.54	S. Milian	—	P <sub>2</sub> Cr	3	2.0	3	2	R.B.
112	LR612	1484.47	4685.73	S. Milian	green schist	Gs	3	5.0	3	2	R.B.
113	LR613	1484.75	4686.05	S. Milian	peridotite	Pr	3	8.0	3	2	R.B.
114	LR614	1485.35	4686.40	S. Milian	peridotite	Pr	3	3.0	4	2	R.B.
115	LR615	1484.87	4689.78	S. Milian	peridotite	Pr	1	1.0	3	1	D.B.
116	LR616	1485.50	4687.04	S. Milian	peridotite	Pr	3	8.0	4	2	D.B.
117	LR617	1485.40	4687.59	S. Milian	peridotite	Pr	3	6.0	4	2	D.B.
118	LR618	1485.38	4688.04	S. Milian	peridotite	Pr	2	3.0	3	2	D.B.
119	LR619	1485.30	4688.35	S. Milian	peridotite	Pr	2	3.0	3	2	R.B.
120	LR620	1485.33	4688.68	S. Milian	peridotite	Pr	1	3.5	3	2	R.B.
121	LR621	1484.96	4686.70	S. Milian	peridotite	Pr	1	3.0	4	2	R.B.
122	LR622	1484.95	4687.05	S. Milian	peridotite	Pr	1	1.5	3	2	R.B.
123	LR623	1485.97	4686.77	S. Milian	peridotite	Pr	1	2.0	4	2	D.B.
124	LR624	1486.25	4686.93	S. Milian	peridotite	Pr	1	1.0	4	2	D.B.
125	LR625	1485.57	4687.32	S. Milian	peridotite	Pr	1	1.5	4	2	D.B.
126	LR626	1485.93	4687.37	S. Milian	peridotite	Pr	1	2.5	3	2	R.B.
127	LR627	1485.45	4687.97	S. Milian	peridotite	Pr	2	1.0	4	2	D.B.
128	LR628	1485.83	4688.00	S. Milian	peridotite	Pr	1	0.5	4	2	R.B.
129	LR629	1485.84	4688.14	S. Milian	peridotite	Pr	1	1.0	4	2	R.B.
130	LR630	1485.42	4688.63	S. Milian	peridotite	Pr	1	3.0	3	2	R.B.
131	LR631	1484.05	4686.80	S. Milian	—	Pr	2	2.5	2	2	B.
132	LR632	1484.13	4687.20	S. Milian	—	Pr	1	2.5	3	2	B.
133	LR633	1484.32	4687.44	S. Milian	peridotite	Pr	1	2.0	4	1	B.
134	LR634	1484.25	4688.34	S. Milian	peridotite	Pr	1	1.0	3	1	B.
135	LR635	1484.57	4688.32	S. Milian	peridotite	Pr	1	1.0	3	1	B.
136	LR636	1484.13	4688.21	S. Milian	peridotite	Pr	1	1.5	3	1	B.
137	LR637	1484.14	4689.34	S. Milian	basalt	Csba	1	2.0	3	1	D.B.
138	LR638	1484.36	4689.16	S. Milian	—	Pr	1	1.0	3	1	D.B.
139	LR639	1484.28	4689.70	S. Milian	—	Pr	2	3.0	3	1	D.B.
140	LR640	1484.62	4689.66	S. Milian	peridotite	Pr	2	3.0	3	1	D.B.
141	LR641	1484.93	4689.65	S. Milian	peridotite	Pr	2	2.5	3	1	D.B.
142	LR642	1485.13	4689.63	S. Milian	peridotite	Pr	2	2.0	3	1	D.B.
143	LR643	1485.48	4689.72	S. Milian	peridotite	Pr	1	1.0	4	1	D.B.
144	LR644	1485.08	4689.49	S. Milian	peridotite	Pr	1	1.0	3	1	D.B.
145	LR645	1485.50	4689.56	S. Milian	peridotite	Pr	1	1.0	4	1	D.B.
146	LR646	1484.09	4690.45	S. Milian	basalt	Csba	2	2.0	3	1	D.G.
147	LR647	1484.41	4690.56	S. Milian	peridotite	Pr	2	3.0	3	1	D.G.
148	LR648	1484.72	4690.64	S. Milian	peridotite	Pr	2	2.5	3	1	D.G.
149	LR649	1485.22	4690.66	S. Milian	peridotite	Pr	1	3.0	3	1	D.G.
150	LR650	1485.22	4690.78	S. Milian	peridotite	Pr	1	0.5	3	1	D.G.

\*1: none(0), puddle(1), slow(2), moderate(3), fast(4)

\*2: coarse grained(1), medium grained(2), fine grained(3), clayey(4)



Appendix 28

Analytical results of stream sediment  
geochemical samples in Area R





List of Geochemical Analysis ( 1 )

Ser. No.	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	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
1	LR501	4682.860	1494.550		4	>	30	2	190	4	32	.07	.02	36	>	.02	12	4	.005	3.5	7	.12	1.0	>	>
2	LR502	4682.460	1494.600		>	>	29	1	393	4	23	.07	.02	32	>	.02	15	3	.005	5.0	7	.10	1.2	>	>
3	LR503	4682.130	1494.510		>	>	28	11	885	11	37	.10	.45	207	>	.04	78	3	.006	12.1	17	.16	1.2	>	>
4	LR504	4681.640	1494.370		>	>	29	5	254	7	32	.10	.22	119	>	.04	31	2	.004	6.7	14	.13	.6	>	>
5	LR505	4681.250	1493.570		>	>	45	26	1014	25	36	.29	2.41	659	>	.29	251	2	.015	20.6	61	.28	.4	>	>
6	LR506	4684.190	1493.610		>	>	28	28	1755	9	29	.14	2.64	435	>	.14	306	3	.011	22.9	23	.18	1.0	>	>
7	LR507	4683.860	1493.380		>	>	28	39	3166	12	32	.17	3.73	627	>	.19	449	2	.014	31.4	27	.20	.6	>	>
8	LR508	4683.420	1493.120		11	>	33	78	5285	23	36	.21	5.57	1151	>	.36	824	2	.016	46.1	33	.29	.4	>	>
9	LR509	4682.980	1493.050		3	>	40	109	6470	30	42	.19	5.82	1677	>	.39	1018	2	.017	55.3	32	.35	.4	>	>
10	LR510	4682.590	1492.940		3	>	60	183	4385	32	48	.16	4.72	2744	>	.47	812	2	.012	43.8	17	.44	.6	>	>
11	LR511	4682.370	1492.730		5	>	256	100	5536	36	46	.28	6.10	1666	>	.75	621	2	.020	34.2	74	.46	.4	>	>
12	LR512	4682.030	1492.430		1	>	497	80	2981	41	24	.70	4.99	1866	>	.47	812	2	.019	50.4	44	.37	.2	>	>
13	LR513	4681.880	1492.520		>	>	176	89	4152	60	42	.18	8.59	1340	>	.75	824	2	.031	39.9	46	.28	.2	>	>
14	LR514	4685.140	1492.890		4	>	26	32	3718	6	28	.10	1.86	661	>	.12	284	2	.007	35.0	17	.70	1.0	3	85
15	LR515	4684.900	1492.760		4	>	31	26	2315	7	26	.12	1.47	571	>	.10	265	3	.006	24.8	15	1.2	.2	59	
16	LR516	4684.430	1492.570		1	>	19	10	893	4	28	.06	3.2	169	>	.02	83	4	.003	10.9	7	.18	.6	2	8
17	LR517	4683.950	1492.530		1	>	25	17	1484	6	29	.07	.61	203	>	.03	136	6	.004	15.0	9	.21	.8	2	27
18	LR518	4683.290	1492.300		4	>	28	12	1638	5	32	.08	1.36	276	>	.07	110	6	.004	14.4	10	.41	.6	2	20
19	LR519	4682.880	1492.200		1	>	22	8	277	5	32	.08	1.13	99	>	.02	129	9	.003	8.2	8	.16	1.2	2	20
20	LR520	4683.130	1491.950		12	>	195	54	3810	18	42	.18	2.99	774	>	.36	456	2	.014	32.2	51	.37	.4	2	104
21	LR521	4683.130	1491.600		6	>	25	60	2763	24	46	.17	3.16	938	>	.50	416	2	.019	25.9	66	.47	.6	2	95
22	LR522	4682.480	1491.500		1	>	25	65	4092	24	34	.23	5.49	1171	>	.70	597	2	.026	28.6	91	.39	.4	2	126
23	LR523	4682.580	1491.650		1	>	33	52	7186	9	34	.11	.96	1777	>	.19	239	9	.004	92.5	16	.76	.4	2	113
24	LR524	4683.270	1491.510		11	>	296	79	6578	16	35	.26	3.36	713	>	.41	686	2	.017	48.8	47	.55	.2	2	159
25	LR525	4682.950	1491.240		20	>	480	116	5942	40	38	.28	4.63	1237	>	.78	1025	2	.027	41.4	82	.48	.4	2	173
26	LR526	4684.350	1492.230		3	>	154	68	5586	6	27	.10	1.66	873	>	.12	277	10	.005	31.8	15	1.18	.4	2	59
27	LR527	4684.080	1492.000		1	>	377	87	4446	19	31	.37	5.82	1227	>	.56	700	4	.014	46.7	30	1.27	.4	2	123
28	LR528	4683.710	1491.290		13	>	266	110	3904	24	24	.42	6.09	1906	>	.76	925	7	.016	36.0	39	1.15	.4	2	125
29	LR529	4683.570	1490.600		17	>	764	106	4687	28	26	.44	6.78	1836	>	.96	868	8	.020	40.7	47	.77	.2	2	142
30	LR530	4683.840	1489.830		8	>	61	92	4950	31	26	.45	6.75	1874	>	.87	837	11	.029	37.1	36	.73	.4	2	149
31	LR531	4683.640	1490.120		16	>	47	146	3859	40	26	.43	8.73	2393	>	.45	1464	2	.024	31.0	22	.33	.4	2	131
32	LR532	4683.840	1489.830		8	>	52	173	6953	17	39	.13	7.58	2276	>	.27	1488	2	.018	109.3	10	.38	.2	2	256
33	LR533	4683.120	1490.510		36	>	15	244	6895	35	61	.06	9.17	2474	>	.26	2610	3	.023	65.0	8	.21	.2	2	184
34	LR534	4685.380	1492.650		2	>	30	1	354	4	24	.08	.21	42	>	.02	33	5	.005	7.0	8	1.2	.2	2	1
35	LR535	4685.160	1492.170		1	>	32	3	391	5	26	.11	2.43	339	>	.11	19	5	.005	5.3	9	1.2	.2	2	1
36	LR536	4684.970	1491.920		10	>	35	35	3536	8	26	.15	1.0	339	>	.11	19	6	.012	30.7	16	1.5	.8	4	59
37	LR537	4684.970	1491.920		10	>	33	110	7086	14	33	.20	7.23	1186	>	.23	1086	2	.021	57.8	11	.18	.4	2	169
38	LR538	4685.150	1491.260		1	>	56	75	7019	23	36	.34	4.09	1780	>	.40	664	2	.022	58.1	36	1.25	.8	2	162
39	LR539	4683.930	1486.710		1	>	57	89	7018	25	49	.42	3.73	1705	>	.44	718	2	.016	63.7	33	1.07	.6	2	155
40	LR540	4683.750	1487.090		6	>	67	73	5263	26	35	.49	3.49	1590	>	.46	588	2	.016	42.0	34	1.00	.8	2	129
41	LR541	4683.760	1487.400		1	>	78	76	3839	30	46	.59	3.53	1492	>	.50	619	4	.019	33.2	35	.67	.6	2	112
42	LR542	4684.110	1487.660		14	>	71	76	4225	28	37	.56	3.57	1487	>	.48	591	3	.018	37.6	35	.8	.8	2	121
43	LR543	4684.320	1487.980		10	>	87	76	3212	33	39	.67	3.46	1533	>	.49	648	15	.017	29.3	33	.61	.8	2	102
44	LR544	4684.580	1488.340		2	>	71	76	4225	28	37	.67	3.46	1533	>	.49	648	15	.017	29.3	33	.61	.8	2	102
45	LR545	4684.910	1488.530		1	>	85	92	4139	36	51	.75	3.19	1438	>	.46	687	2	.018	33.2	31	.64	1.0	2	117
46	LR546	4685.120	1488.760		4	>	85	92	4139	36	51	.75	3.19	1438	>	.46	687	2	.018	33.2	31	.64	1.0	2	117
47	LR547	4685.860	1488.350		2	>	91	107	3309	46	44	.61	3.12	1460	>	.43	614	7	.019	36.1	30	.72	.6	2	121
48	LR548	4686.150	1488.010		10	>	103	102	2762	50	50	.86	2.77	1435	>	.44	767	4	.016	23.6	31	.37	.8	2	116
49	LR549	4686.440	1487.780		8	>	88	94	4611	41	54	.65	3.24	1304	>	.38	753	4	.018	34.2	28	.6	.6	2	89
50	LR550	4686.710	1487.720		10	>	72	125	3154	75	45	.61	4.54	2241	>	.37	1025	6	.016	34.3	30	.49	.4	2	135

List of Geochemical Analysis ( 2)

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
51	LR551	4887.100 1487.740	>	>	64	103	3133	79	46	.49	4.69	2077	>	.23	971	11	.015	36.9	16	.49	.2	>	183
52	LR552	4887.480 1487.750	4	1	66	94	3164	79	37	.52	5.34	2035	>	.27	939	>	.015	30.9	16	.45	.4	>	147
53	LR553	4883.530 1487.520	14	>	14	236	6899	59	44	.17	6.99	2877	>	.72	2014	>	.026	52.3	59	.52	.2	>	174
54	LR554	4883.310 1487.780	41	>	15	442	6751	47	72	.04	8.66	4549	>	.24	3455	>	.016	155.1	4	.28	.2	>	292
55	LR555	4884.920 1488.360	10	>	116	28	317	25	34	.81	2.03	611	>	.36	209	9	.018	11.4	33	.28	1.6	>	40
56	LR556	4884.950 1488.850	>	>	17	88	6930	9	26	.11	4.03	2208	>	.35	676	>	.020	96.7	33	2.87	.2	>	179
57	LR557	4885.500 1488.810	26	2	8	285	6783	45	78	.04	7.44	2792	>	.30	2543	>	.021	122.9	5	.91	.2	>	278
58	LR558	4885.520 1489.150	16	>	8	326	6807	54	112	.04	6.50	3133	>	.25	2624	>	.022	99.0	4	.71	.2	>	223
59	LR559	4884.320 1485.450	17	>	56	111	5273	26	41	.47	7.41	1409	>	.46	1108	9	.021	44.1	28	.37	.4	>	150
60	LR560	4884.620 1485.600	29	>	39	242	5954	33	61	.25	6.84	1838	>	.34	1806	>	.018	104.2	16	.26	.2	>	262
61	LR561	4885.180 1485.910	37	>	566	140	5962	14	21	.08	9.62	1134	>	.32	1391	4	.019	88.2	15	.13	.2	>	238
62	LR562	4885.510 1485.040	40	>	1441	177	6879	19	34	.16	7.33	1150	>	.61	1507	>	.017	150.9	32	.12	.2	>	340
63	LR563	4885.710 1486.370	43	>	1110	154	6930	18	26	.12	7.97	1164	>	.44	1427	>	.017	114.3	24	.15	.2	>	282
64	LR564	4890.880 1489.520	22	>	654	160	6915	99	54	.49	6.41	2209	>	.46	1287	6	.018	72.0	31	.61	.2	>	257
65	LR565	4890.630 1489.310	29	>	948	152	6884	82	60	.47	5.81	2209	>	.51	1337	12	.017	95.2	34	.82	.2	>	277
66	LR566	4890.070 1489.150	26	>	1211	152	6899	105	49	.54	6.21	2521	>	.62	1300	11	.016	70.9	40	.66	.4	>	242
67	LR567	4890.270 1488.910	38	>	1199	150	6905	108	52	.58	6.16	2585	>	.42	1045	4	.017	115.0	29	.72	.2	>	304
68	LR568	4889.700 1488.730	25	>	746	136	6913	75	31	.33	5.77	2641	>	.43	1228	22	.014	17.6	52	.46	2.2	>	110
69	LR569	4889.280 1488.450	19	>	825	105	6958	43	87	.36	1.56	3205	>	.26	755	19	.012	89.5	27	2.20	.8	>	210
70	LR570	4889.000 1488.300	16	>	825	105	6958	43	87	.36	1.56	3205	>	.26	755	19	.012	89.5	27	2.20	.8	>	210
71	LR571	4889.540 1488.320	22	1	489	90	4877	49	60	.46	1.96	1750	>	.30	1360	5	.015	76.1	34	1.69	.8	>	179
72	LR572	4888.190 1488.350	11	>	521	168	6875	41	58	.36	3.20	3151	>	.43	1971	2	.018	137.2	34	1.51	.4	>	268
73	LR573	4887.740 1488.200	38	>	1098	273	6782	52	75	.28	3.78	3291	>	.43	1971	2	.018	137.2	34	1.51	.4	>	268
74	LR574	4887.430 1488.060	42	>	1276	209	6772	46	63	.19	1.63	5904	>	.45	497	7	.014	79.9	31	6.34	.2	>	234
75	LR575	4887.060 1488.160	38	>	1611	36	2831	65	127	.17	.28	2472	>	.45	497	7	.014	79.9	31	6.34	.2	>	234
76	LR576	4886.750 1488.270	34	1	1433	104	6697	52	135	.14	.38	4253	>	.36	1298	5	.023	56.3	30	3.89	.2	>	108
77	LR577	4886.590 1488.500	54	>	996	203	6776	46	77	.11	4.26	1465	>	.42	2331	2	.028	126.7	24	1.11	.2	>	299
78	LR578	4886.490 1488.790	68	>	1233	275	6788	59	108	.07	2.75	1577	>	.16	2527	>	.025	131.9	23	.36	.2	>	307
79	LR579	4890.050 1489.450	15	>	574	200	6932	18	31	.08	7.59	1874	>	.30	1898	5	.023	127.4	13	.16	.2	>	286
80	LR580	4889.790 1489.520	27	>	762	164	6915	17	33	.10	8.77	2053	>	.35	1773	2	.023	104.8	15	.15	.2	>	260
81	LR581	4889.620 1488.380	1	>	59	134	6465	105	59	.46	6.56	2533	>	.38	1127	3	.017	47.0	23	.47	.2	>	183
82	LR582	4889.860 1487.830	8	>	70	88	4603	60	26	.72	5.21	1565	>	.49	730	15	.018	36.3	33	.38	.6	>	147
83	LR583	4889.990 1487.610	13	>	77	74	2681	92	35	.85	6.04	1633	>	.84	683	5	.028	29.5	45	.45	.6	>	133
84	LR584	4889.880 1487.360	1	>	57	118	3661	50	34	.33	6.22	2077	>	.34	1122	2	.027	29.0	30	.27	.4	>	109
85	LR585	4889.770 1487.070	16	>	12	207	6962	25	40	.11	10.34	1935	>	.40	1910	>	.026	61.9	13	.18	.2	>	196
86	LR586	4889.950 1486.800	26	>	6	181	6973	19	37	.04	9.60	1713	>	.27	1770	>	.023	56.6	8	.13	.2	>	172
87	LR587	4890.160 1486.550	18	>	7	220	6962	22	32	.04	10.64	2016	>	.33	1990	>	.024	64.1	9	.14	.2	>	189
88	LR588	4889.500 1488.050	17	>	70	151	6963	106	44	.02	6.04	2771	>	.38	1244	3	.016	55.7	21	.51	.2	>	196
89	LR589	4889.050 1487.690	7	>	46	192	6950	42	40	.25	5.24	3682	>	.52	1372	>	.018	89.9	36	.24	.2	>	217
90	LR590	4888.740 1487.710	5	>	55	174	6937	45	46	.34	6.02	2890	>	.60	1359	5	.018	97.5	32	.25	.2	>	255
91	LR591	4888.440 1487.690	5	>	41	167	6937	42	29	.23	5.74	2999	>	.61	1233	>	.020	73.7	31	.25	.2	>	209
92	LR592	4889.430 1487.520	16	>	69	88	3465	37	29	.92	8.43	1526	>	.53	1094	8	.020	26.5	29	.29	.6	>	128
93	LR593	4889.150 1487.230	1	>	20	97	5039	21	26	.22	10.26	1375	>	.38	1304	>	.027	27.5	22	.19	.2	>	134
94	LR594	4889.080 1486.960	8	>	12	114	5351	22	33	.12	11.14	1443	>	.42	1543	>	.028	26.4	19	.18	.2	>	138
95	LR595	4888.900 1486.950	21	>	20	97	4938	22	28	.20	10.44	1396	>	.40	1387	>	.026	34.5	22	.19	.2	>	128
96	LR596	4889.230 1488.820	9	>	229	36	2059	29	51	1.36	1.97	1055	>	.37	325	20	.016	21.0	42	1.01	2.2	>	92
97	LR597	4888.540 1488.600	6	>	91	127	6986	60	63	.64	2.18	4716	>	.16	1116	18	.010	87.8	12	1.01	.4	>	207
98	LR598	4888.510 1489.050	14	>	39	222	6897	72	112	.23	2.17	3070	>	.19	2135	4	.018	101.1	7	1.12	.4	>	210
99	LR599	4888.580 1489.420	15	2	23	261	6918	75	83	.09	1.74	2713	>	.19	1971	>	.016	139.7	4	.95	.4	>	237
100	LR600	4888.250 1488.550	3	>	110	19	1168	45	62	.70	.66	1020	>	.13	123	19	.007	9.7	26	.52	1.8	>	35

List of Geochemical Analysis ( 3 )

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
101	LR601	4888.240	15	1	52	191	7058	55	472	12	3.74	2442	1	.28	2068	2	.024	119.1	12	1.72	.2		204
102	LR602	4888.250	14	1	8	154	7245	84	249	.05	.51	1645	1	.32	1422	2	.021	55.8	12	1.72	.4		143
103	LR603	4887.810	1	1	31	239	7119	45	143	.16	3.28	3346	1	.32	1713	2	.015	99.4	14	1.74	.4		217
104	LR604	4887.570	1	1	63	155	7150	34	128	.45	3.66	2261	1	.46	1447	4	.026	68.3	31	2.15	.8		208
105	LR605	4887.610	2	1	57	153	7112	30	99	.43	3.91	2382	1	.38	1386	12	.024	91.2	31	2.65	.2		244
106	LR606	4887.580	1	1	57	156	7112	26	90	.41	3.91	2567	1	.45	1382	6	.025	87.7	32	2.74	.6		241
107	LR607	4887.280	1	1	10	205	7147	37	129	.06	6.79	1707	1	.47	1877	2	.023	104.0	11	.69	.2		260
108	LR608	4887.210	8	1	183	183	7152	39	135	.05	6.54	1436	1	.41	1888	2	.024	107.3	11	.69	.2		256
109	LR609	4886.940	1	1	29	183	7150	37	110	.06	6.54	1613	1	.37	1806	2	.022	101.5	12	.69	.2		253
110	LR610	4887.270	10	1	19	205	7146	42	144	.08	6.38	1657	1	.45	1966	2	.023	88.0	12	.62	.2		225
111	LR611	4885.940	1	1	23	220	7139	47	200	.09	4.70	2278	1	.15	1919	13	.012	138.8	8	.64	.2		290
112	LR612	4885.730	8	1	14	171	7136	35	154	.04	7.94	1851	1	.30	1627	2	.019	140.7	7	.58	.2		293
113	LR613	4886.050	9	1	6	198	7113	49	141	.04	7.94	1851	1	.23	1860	3	.019	137.2	6	.52	.2		313
114	LR614	4886.400	8	1	5	142	7165	19	75	.05	4.70	1514	1	.22	1331	2	.016	126.2	4	.51	.2		299
115	LR615	4889.780	41	1	17	464	7036	65	130	.05	4.70	2985	1	.15	4126	2	.019	123.3	8	.45	.6		243
116	LR616	4887.040	1	1	12	191	7122	24	95	.06	8.40	2044	1	.28	1811	2	.019	147.2	6	.40	.2		324
117	LR617	4887.990	10	1	12	204	7090	46	98	.06	6.85	1787	1	.24	1788	2	.018	165.2	4	.76	.2		349
118	LR618	4888.040	9	1	6	201	7116	123	120	.05	4.12	1853	1	.21	1737	2	.023	121.2	3	1.06	.2		247
119	LR619	4888.350	14	1	15	208	7126	111	119	.06	2.61	1820	1	.21	1917	2	.026	108.4	3	1.11	.2		217
120	LR620	4888.660	1	1	13	216	7063	358	228	.06	3.97	2383	1	.17	1867	2	.023	119.0	4	1.92	.2		231
121	LR621	4886.700	1	1	9	255	6946	50	88	.05	6.89	2998	1	.23	2467	2	.019	252.6	26	1.75	.2		343
122	LR622	4887.050	1	1	8	236	6792	30	131	.05	6.40	2731	1	.21	2399	2	.020	308.6	22	1.98	.2		390
123	LR623	4886.770	8	1	11	238	7066	21	117	.05	8.80	2056	1	.26	2443	2	.016	151.2	5	.16	.2		357
124	LR624	4886.930	12	1	13	229	7091	19	56	.06	8.26	2056	1	.22	2443	2	.019	125.0	6	.14	.2		322
125	LR625	4887.320	17	1	5	171	7103	13	57	.04	7.91	1249	1	.24	1739	2	.015	189.1	3	1.10	.2		399
126	LR626	4887.370	7	1	5	199	7073	20	102	.04	7.54	1396	1	.24	1809	2	.017	180.9	4	.13	.2		405
127	LR627	4887.970	3	2	32	299	7151	54	127	.06	2.66	1392	1	.18	1996	2	.020	125.5	3	.22	.2		270
128	LR628	4888.000	1	1	11	151	7178	20	83	.06	4.99	557	1	.18	1567	2	.017	158.7	3	.11	.2		312
129	LR629	4888.140	1	1	16	195	7172	27	81	.06	6.69	1014	1	.27	1812	2	.018	125.2	4	.15	.2		316
130	LR630	4888.630	30	1	7	392	7087	86	171	.04	1.03	2073	1	.24	3618	2	.034	86.8	2	.36	.2		182
131	LR631	4886.800	9	1	56	53	2003	23	115	.30	.90	652	1	.09	541	9	.008	18.4	15	.28	1.0		35
132	LR632	4887.200	5	1	49	50	3237	16	84	.23	.83	690	1	.06	499	5	.007	20.7	13	.27	.8		35
133	LR633	4887.440	1	1	15	488	6924	64	122	.05	7.05	4252	1	.19	4263	2	.015	187.7	4	.52	.2		312
134	LR634	4888.340	1	1	28	98	4143	53	148	.31	1.74	1167	1	.34	511	2	.018	31.5	29	.98	.2		93
135	LR635	4888.320	1	1	19	116	7095	21	72	.21	3.65	1686	1	.51	890	2	.037	162.9	41	1.34	.2		249
136	LR636	4888.210	21	1	57	342	7089	49	82	.33	4.06	3022	1	.20	2710	2	.015	96.1	17	.51	.8		189
137	LR637	4889.340	1	1	20	177	6963	45	72	.14	3.78	4690	1	.25	1399	2	.017	207.8	20	4.39	.2		248
138	LR638	4889.160	1	1	17	216	7058	76	84	.13	4.72	4336	1	.34	1693	2	.017	95.7	18	2.97	.2		248
139	LR639	4889.700	8	1	10	184	7115	28	67	.07	11.81	2172	1	.33	2338	3	.025	75.4	10	.22	.2		219
140	LR640	4889.660	1	1	8	159	7112	18	56	.05	12.48	1827	1	.24	1789	2	.025	127.9	8	.21	.2		301
141	LR641	4889.650	2	1	1	156	7139	18	66	.05	12.89	1855	1	.31	1854	2	.028	98.6	11	.20	.2		275
142	LR642	4889.630	15	1	11	141	7190	18	60	.06	13.52	1714	1	.29	1827	2	.026	84.4	8	.16	.2		260
143	LR643	4889.720	1	1	8	177	7173	21	61	.04	12.24	2050	1	.20	2063	2	.025	98.9	6	.16	.2		274
144	LR644	4889.490	1	1	34	193	6980	14	44	.04	9.59	2101	1	.16	1805	2	.018	266.2	5	.17	.2		460
145	LR645	4889.560	3	1	9	137	7190	18	63	.05	13.94	1674	1	.27	1862	3	.026	63.0	8	.15	.2		213
146	LR646	4890.450	18	1	9	180	7160	28	49	.10	12.93	2131	1	.34	1970	2	.025	54.5	22	.27	.2		205
147	LR647	4890.560	1	1	9	158	6641	20	45	.05	16.86	1709	1	.23	2142	2	.034	23.8	12	.16	.2		174
148	LR648	4890.640	13	1	12	139	7163	17	45	.06	15.95	1640	1	.37	1912	2	.031	28.0	9	.14	.2		180
149	LR649	4890.660	14	1	8	142	5956	18	87	.05	15.41	1628	1	.28	1952	2	.032	12.6	9	.15	.2		157
150	LR650	4890.780	4	1	18	197	6670	21	122	.05	14.90	2389	1	.29	2170	2	.029	23.7	9	.17	.2		171



Appendix 29

List of soil geochemical samples in Area S



Area: Tributary of S. Imbak (Area S)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
1	LS001	1466.42	4693.48	S. Imbak	sandstone	KPSP	40	L.B.	R	S	M	W	primary forest
2	LS002	1466.73	4693.68	S. Imbak	sandstone	KPSP	40	Y.	F	S	S	W	primary forest
3	LS003	1466.13	4694.18	S. Imbak	sandstone	KPSP	40	Y.	F	S	S	W	primary forest
4	LS004	1466.57	4694.30	S. Imbak	sandstone	KPSP	40	Y.B.	R	S	S	W	primary forest
5	LS005	1465.50	4692.35	S. Imbak	sandstone	KPSP	15	Y.B.	F	C	F	W	primary forest
6	LS006	1465.68	4692.75	S. Imbak	sandstone	KPSP	25	B.	R	C	F	W	primary forest
7	LS007	1465.84	4693.13	S. Imbak	sandstone	KPSP	20	L.B.	R	C	M	W	primary forest
8	LS008	1465.95	4693.58	S. Imbak	sandstone	KPSP	20	L.B.	F	C	M	W	primary forest
9	LS009	1465.30	4693.67	S. Imbak	sandstone	KPSP	20	L.B.	R	C	M	W	primary forest
10	LS010	1465.53	4694.10	S. Imbak	sandstone	KPSP	40	L.B.	R	S	M	W	primary forest
11	LS011	1465.79	4694.52	S. Imbak	sandstone	KPSP	40	L.B.	R	S	M	W	primary forest
12	LS012	1464.59	4692.53	S. Imbak	sandstone	KPSP	40	B.	R	C	M	W	primary forest
13	LS013	1464.25	4692.53	S. Imbak	sandstone	KPSP	40	B.	R	C	S	W	primary forest
14	LS014	1464.82	4692.70	S. Imbak	sandstone	KPSP	40	B.	F	C	M	W	primary forest
15	LS015	1464.25	4693.13	S. Imbak	sandstone	KPSP	40	B.	R	C	M	W	primary forest
16	LS016	1464.83	4693.29	S. Imbak	sandstone	KPSP	40	B.	F	C	M	W	primary forest
17	LS017	1464.94	4694.06	S. Imbak	sandstone	KPSP	15	L.B.	R	C	M	W	primary forest
18	LS018	1464.47	4694.33	S. Imbak	sandstone	KPSP	30	L.B.	F	C	S	W	primary forest
19	LS019	1464.03	4694.65	S. Imbak	sandstone	KPSP	30	Y.B.	R	C	M	W	primary forest
20	LS020	1463.83	4692.79	S. Imbak	sandstone	KPSP	40	B.	R	C	M	W	primary forest
21	LS021	1463.50	4693.30	S. Imbak	sandstone	KPSP	30	L.B.	F	C	M	W	primary forest
22	LS022	1463.93	4693.81	S. Imbak	sandstone	KPSP	30	Y.B.	M	C	M	W	primary forest
23	LS023	1463.30	4693.67	S. Imbak	sandstone	KPSP	30	L.B.	M	C	M	W	primary forest
24	LS024	1463.60	4694.25	S. Imbak	sandstone	KPSP	30	B.	F	C	M	W	primary forest
25	LS025	1463.38	4694.62	S. Imbak	sandstone	KPSP	30	B.	R	C	M	W	primary forest

\*1Gravel: Many (M), Few (F), Rare or none (R)  
 \*\*3Topography: Steep (S), Moderate (M), Flat (F)

\*2Grain size: Sandy (S), Clayey (C)  
 \*\*4Humidity: Dry (D), Wet (W)





Appendix 30

Analytical results of soil geochemical  
samples in Area 5



List of Geochemical Analysis ( 1)

Ser. No.	Sample No.	Location (km)	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mo	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
1	LS001	4693.480 1466.420	16	>	207	10	135	23	125	1.37	.41	152	3	.33	85	36	.015	2.0	39	.37	4.8	>	33
2	LS002	4693.680 1466.730	10	>	122	29	242	34	122	1.30	2.53	1410	1	1.36	126	33	.032	11.7	77	.35	6.0	>	88
3	LS003	4694.180 1466.130	1	>	37	21	436	97	172	1.18	1.63	514	1	.64	238	4	.026	8.8	14	.71	.4	>	148
4	LS004	4694.300 1466.570	13	>	274	17	121	32	114	1.51	.59	364	2	.35	69	32	.015	10.7	52	.49	2.6	>	64
5	LS005	4692.350 1465.500	3	>	115	7	54	18	98	.78	.45	94	1	.13	26	15	.016	4.6	27	.30	2.2	>	50
6	LS006	4692.750 1465.680	1	>	133	3	73	18	118	1.01	.56	65	1	.12	25	18	.013	3.2	30	.32	2.6	>	47
7	LS007	4693.130 1465.840	1	>	258	14	85	32	116	2.03	.93	319	2	.39	41	23	.035	4.4	25	.46	2.6	>	65
8	LS008	4693.580 1465.950	1	>	130	4	54	14	165	.84	.43	99	1	.16	19	15	.012	3.7	13	.34	2.2	>	8
9	LS009	4693.670 1465.300	3	>	140	4	52	7	126	.66	.32	41	1	.11	15	18	.013	4.1	9	.35	2.2	>	8
10	LS010	4694.100 1465.530	1	>	139	11	231	25	106	.79	.53	121	1	.24	148	22	.012	3.8	20	.50	2.2	>	47
11	LS011	4694.520 1465.790	1	>	222	12	143	25	122	1.20	.49	150	4	.27	86	28	.013	9.0	40	.43	2.8	>	53
12	LS012	4692.530 1464.590	1	>	155	3	71	9	108	1.01	.43	33	1	.15	19	20	.013	2.4	32	.39	2.6	>	4
13	LS013	4692.530 1464.250	3	>	138	3	84	9	147	1.07	.51	31	1	.10	23	20	.016	4.5	48	.33	2.2	>	4
14	LS014	4692.700 1464.820	16	>	177	6	67	21	103	.87	.46	95	2	.16	29	20	.014	2.2	31	.34	2.0	>	23
15	LS015	4693.130 1464.250	2	>	110	1	50	6	125	.56	.22	19	1	.08	14	16	.014	2.3	16	.32	2.6	>	1
16	LS016	4693.290 1464.830	1	>	145	5	77	16	125	.91	.43	198	1	.13	21	24	.017	2.7	16	.39	3.0	>	28
17	LS017	4694.060 1464.940	11	10	99	1	61	4	198	.41	.25	31	1	.09	15	23	.023	2.7	10	.36	2.2	>	2
18	LS018	4694.330 1464.470	7	>	98	9	99	38	116	.40	.43	314	4	.20	86	25	.024	2.7	7	.41	1.2	>	100
19	LS019	4694.650 1464.030	21	>	190	4	80	17	94	.90	.15	29	4	.21	20	18	.014	5.1	73	.36	2.2	>	11
20	LS020	4692.790 1463.830	1	>	75	4	45	5	157	.31	.20	17	1	.06	14	8	.010	.9	23	.28	1.6	>	2
21	LS021	4693.300 1463.500	10	>	224	17	88	41	595	1.28	.64	339	1	.41	47	20	.022	6.3	35	.50	2.4	>	98
22	LS022	4693.810 1463.930	54	>	211	8	107	21	255	1.40	.41	292	1	.26	31	22	.022	4.5	77	.43	3.0	>	43
23	LS023	4693.670 1463.300	1	>	227	22	88	73	195	.94	.60	1063	2	.29	46	16	.017	4.5	13	.50	2.0	>	93
24	LS024	4694.250 1463.600	88	7	194	4	156	29	210	1.02	.23	86	1	.11	37	28	.016	8.6	20	.41	2.2	>	29
25	LS025	4694.620 1463.380	1	3	17	656	7121	112	734	.06	.06	2950	1	.12	4287	>	.049	101.8	2	.05	.2	>	308

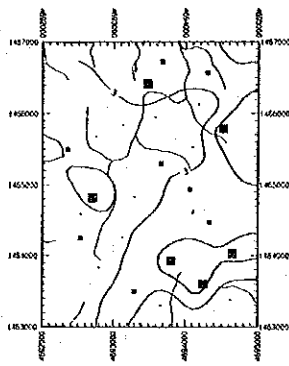


Appendix 31

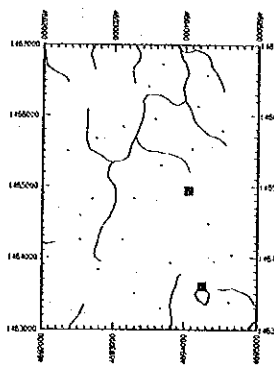
Distribution map of elements in Area S



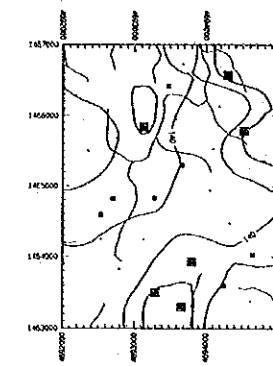
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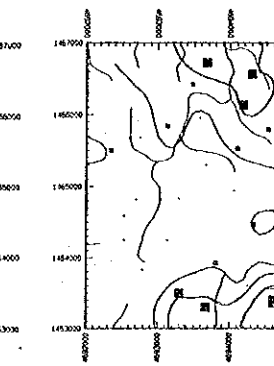
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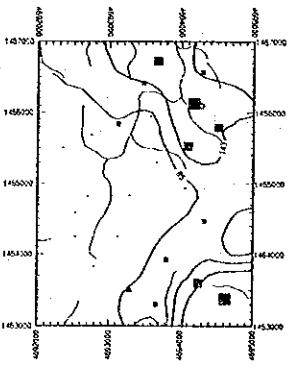
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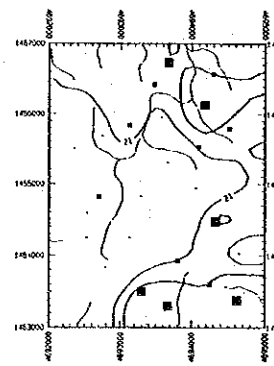
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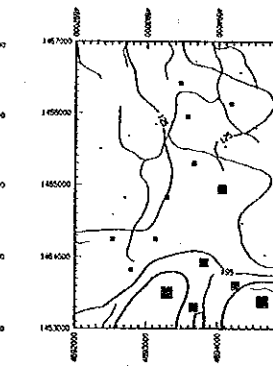
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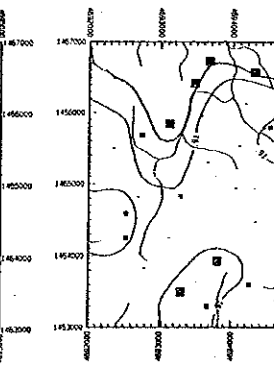
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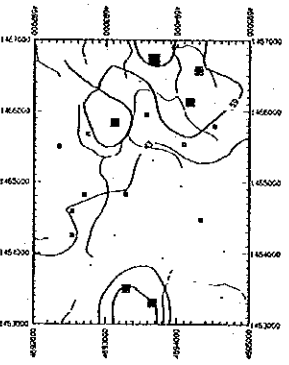
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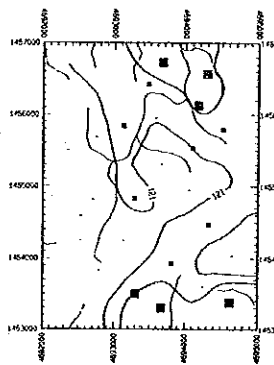
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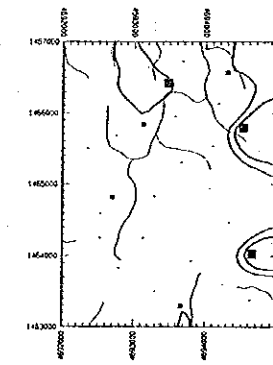
K 1.280  
910



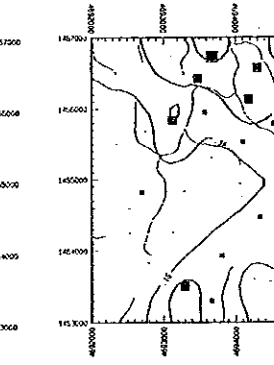
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.430



Mn 264.000  
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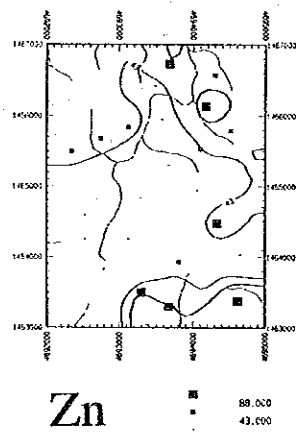
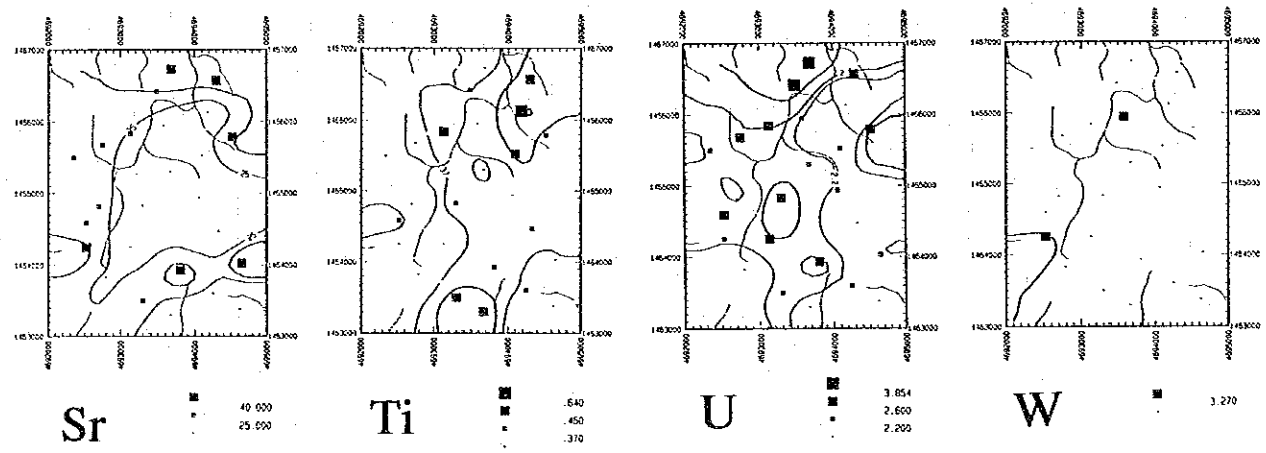
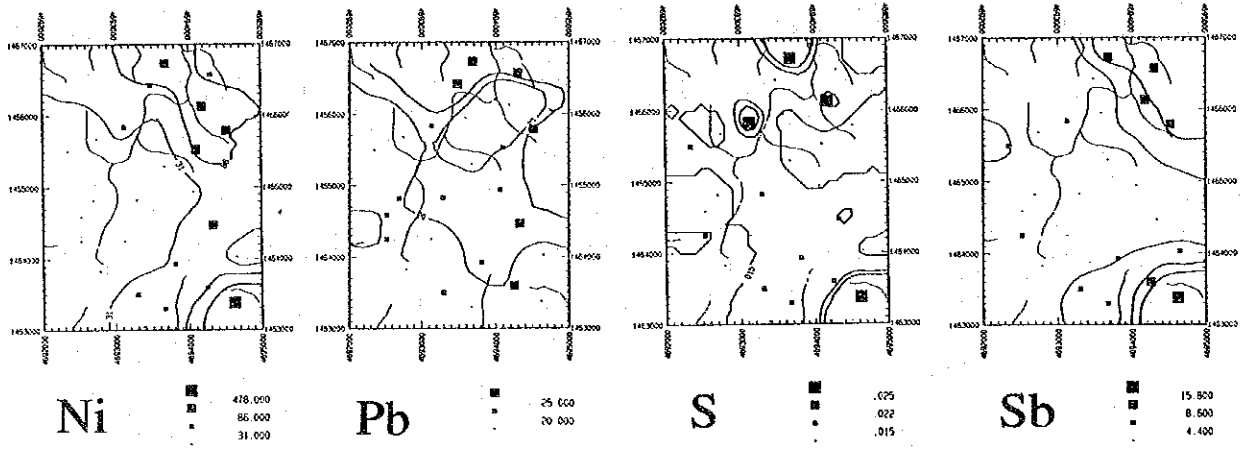
Mo 2.830  
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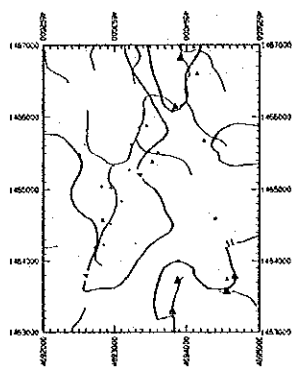
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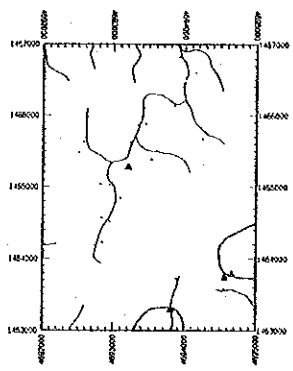
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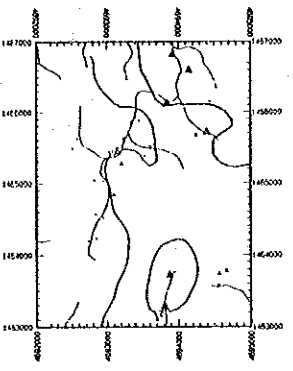
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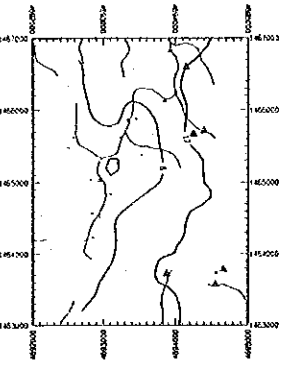
**As**    ▲ 11.000  
         ● 4.000



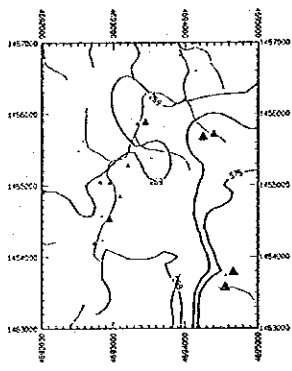
**Au**    ▲ 930



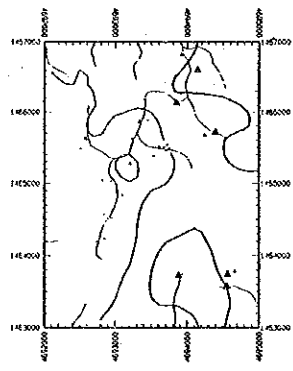
**Ba**    ▲ 231.000  
         ● 105.000



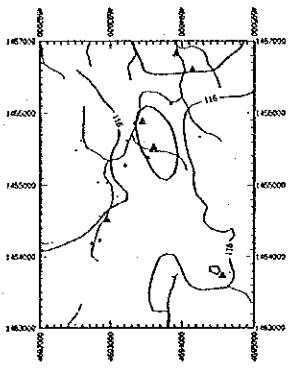
**Co**    ▲ 17.000  
         ● 6.000



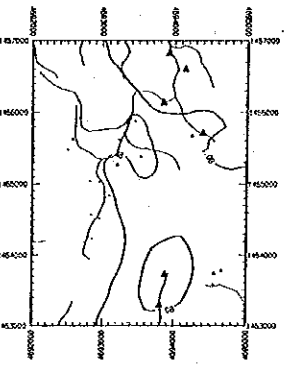
**Cr**    ▲ 575.000  
         ● 444.000  
         ● 269.000



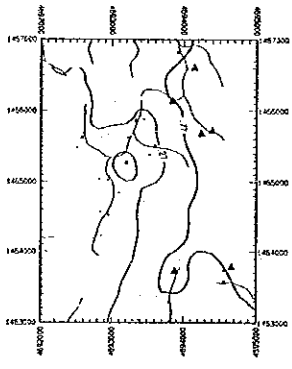
**Cu**    ▲ 25.000  
         ● 11.000



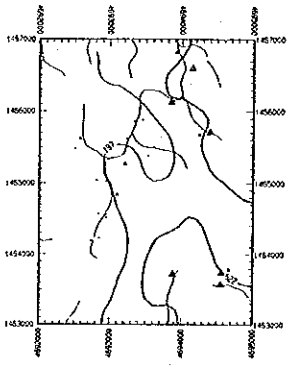
**Hg**    ▲ 739.000  
         ● 247.000  
         ● 115.000



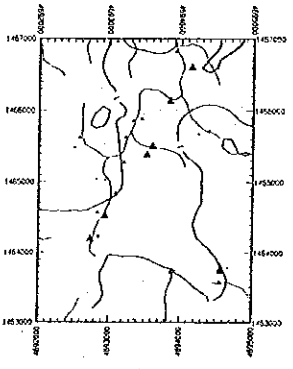
**K**    ▲ 1.080  
         ● .480



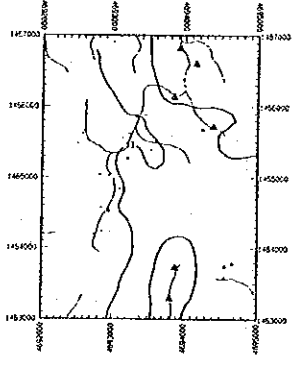
**Mg**    ▲ .770  
         ● .270



**Mn**    ▲ 522.000  
         ● 191.000

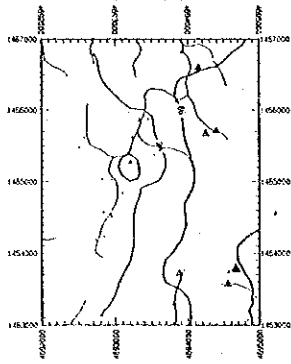


**Mo**    ▲ 2.000  
         ● 1.000

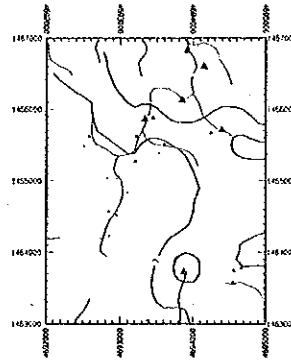


**Na**    ▲ .490  
         ● .130

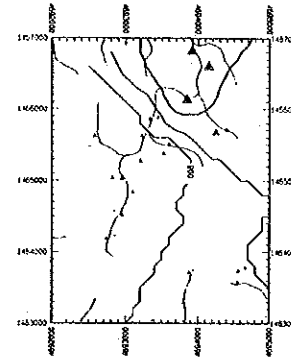
Stream Sediments



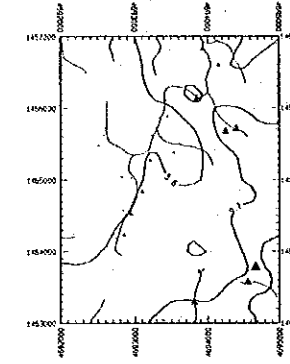
**Ni**     ▲     39.000  
              ▲     66.000  
              ▲     74.000



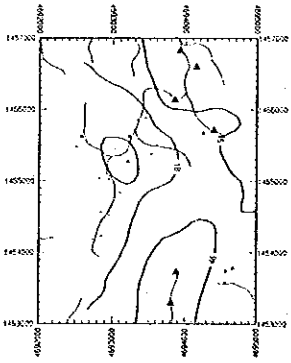
**Pb**     ▲     13.000  
              ▲     7.000



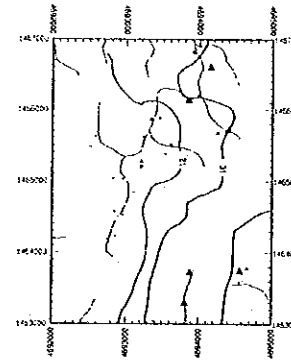
**S**     ▲     .027  
           ▲     .012  
           ▲     .008



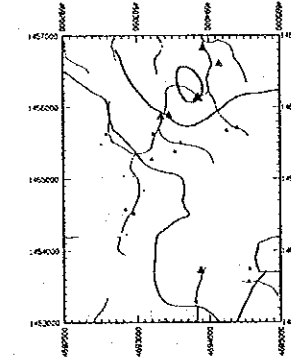
**Sb**     ▲     19.300  
           ▲     9.700  
           ▲     5.620



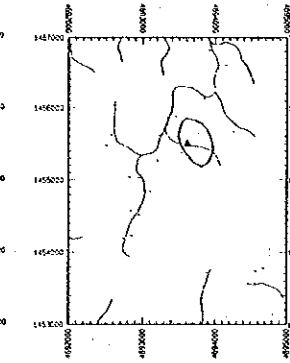
**Sr**     ▲     45.000  
           ▲     18.000



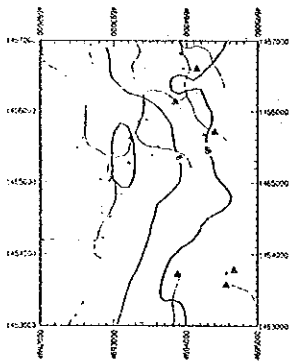
**Ti**     ▲     .310  
           ▲     .210



**U**     ▲     2.453  
           ▲     1.800  
           ▲     1.430



**W**     ▲     9.620



**Zn**     ▲     49.000  
           ▲     8.000

Appendix 32

List of stream sediment geochemical samples in Area S



Ser. No.	Sample No.	Coordinates		Name of Stream	Geology	Geol. Unit	Order	Width (m)	Flow *1	Size *2	Color
		N	E								
1	LS501	1466.82	4693.92	S. Imbak	sandstone	KPSp	3	4.0	4	3	L.B.
2	LS502	1466.60	4694.15	S. Imbak	sandstone	KPSp	1	1.0	3	3	L.B.
3	LS503	1466.13	4693.85	S. Imbak	sandstone	KPSp	3	2.0	3	3	Y.B.
4	LS504	1465.86	4693.34	S. Imbak	sandstone	KPSp	3	6.0	3	2	L.B.
5	LS505	1465.88	4693.45	S. Imbak	sandstone	KPSp	1	1.0	3	2	L.B.
6	LS506	1465.62	4693.23	S. Imbak	sandstone	KPSp	3	5.0	3	2	L.B.
7	LS507	1465.27	4693.21	S. Imbak	sandstone	KPSp	1	1.0	3	3	L.B.
8	LS508	1465.03	4692.95	S. Imbak	sandstone	KPSp	2	4.0	2	1	L.B.
9	LS509	1465.04	4692.82	S. Imbak	sandstone	KPSp	1	1.0	2	1	L.B.
10	LS510	1464.84	4693.10	S. Imbak	sandstone	KPSp	1	1.5	4	1	L.B.
11	LS511	1464.57	4692.84	S. Imbak	sandstone	KPSp	1	1.5	2	1	L.B.
12	LS512	1464.52	4692.95	S. Imbak	sandstone	KPSp	1	1.5	2	1	L.B.
13	LS513	1464.19	4692.74	S. Imbak	sandstone	KPSp	2	2.0	2	1	L.B.
14	LS514	1464.23	4692.85	S. Imbak	sandstone	KPSp	1	3.5	2	1	L.B.
15	LS515	1465.71	4694.40	S. Imbak	sandstone	KPSp	1	0.5	2	3	L.B.
16	LS516	1465.67	4694.25	S. Imbak	sandstone	KPSp	1	0.5	2	3	L.B.
17	LS517	1465.50	4693.61	S. Imbak	sandstone	KPSp	1	4.5	3	2	L.B.
18	LS518	1465.38	4693.53	S. Imbak	sandstone	KPSp	1	2.0	3	2	L.B.
19	LS519	1465.62	4692.58	S. Imbak	sandstone	KPSp	1	2.0	3	2	B.
20	LS520	1465.48	4692.51	S. Imbak	sandstone	KPSp	1	2.5	3	2	L.B.
21	LS521	1463.29	4693.81	S. Imbak	sandstone	KPSp	2	1.5	3	2	L.B.
22	LS522	1463.72	4693.88	S. Imbak	sandstone	KPSp	2	0.5	3	1	L.B.
23	LS523	1463.57	4694.56	S. Imbak	shale	KPSp	1	0.5	3	2	L.B.
24	LS524	1463.74	4694.57	S. Imbak	sandstone	KPSp	1	1.0	2	2	L.B.
25	LS525	1463.78	4694.67	S. Imbak	shale	KPSp	1	2.0	3	2	L.B.

\*1: none (0), puddle (1), slow (2), moderate (3), fast (4)

\*2: coarse grained (1), medium grained (2), fine grained (3), clayey (4)



Appendix 33

Analytical results of stream sediment  
geochemical samples in Area S





List of Geochemical Analysis ( 1 )

Ser. 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
1	4693.920	16	>	220	11	227	23	327	1.51	.70	473	1	.54	57	20	.046	8.3	58	.30	2.4	>	41
2	4694.150	7	>	234	18	186	29	247	1.61	.97	568	2	.59	66	20	.029	5.7	55	.34	2.2	>	48
3	4693.850	20	>	230	15	236	25	143	1.82	.77	522	2	.68	64	45	.064	11.2	68	.32	2.8	3	48
4	4693.340	1>	>	105	7	303	11	126	.62	.32	155	1	.14	24	13	.008	5.5	14	.21	1.8	3	7
5	4693.450	1>	>	77	2	445	8	729	.29	.16	115	1	.12	20	7	.011	4.0	15	.14	1.8	9	1>
6	4693.230	1	>	77	5	253	8	112	.35	.20	169	1	.10	18	9	.007	5.4	18	.14	1.6	2>	16
7	4693.210	3	1	182	7	302	15	175	.68	.40	431	1	.22	31	8	.008	6.8	28	.23	1.6	2>	30
8	4692.950	4	>	78	6	291	8	95	.33	.17	163	1>	.08	19	3	.008	3.5	15	.15	1.0	2>	8
9	4692.820	2	>	64	4	282	7	34	.26	.15	84	1>	.04	15	3	.006	3.4	13	.13	1.0	2>	1>
10	4693.100	1>	>	116	5	337	9	92	.47	.22	219	1	.12	21	2>	.006	6.7	15	.13	1.0	2>	6
11	4692.840	4	>	55	1	239	5	41	.20	.09	70	1	.03	12	3	.005	4.2	14	.14	1.4	2>	1>
12	4692.950	3	>	88	5	444	7	280	.33	.17	134	2	.13	18	2>	.007	6.2	11	.18	1.4	2>	1
13	4692.740	9	>	66	3	368	6	133	.23	.10	87	2	.04	15	3	.007	4.9	10	.14	1.0	2>	1>
14	4692.850	2	>	53	4	258	6	221	.20	.09	81	1	.03	14	2>	.005	7.5	13	.11	1.2	2>	1>
15	4694.400	4	>	202	17	450	25	67	1.10	1.04	615	1	.49	107	13	.013	9.7	46	.33	1.5	2>	56
16	4694.250	4	>	163	21	645	15	46	.82	1.36	470	1>	.44	166	9	.017	11.6	40	.28	1.4	2>	45
17	4693.610	8	>	106	5	230	11	787	.47	.27	130	2	.13	25	7	.007	3.7	13	.21	1.6	72	5
18	4693.530	7	>	97	3	253	7	147	.38	.17	139	2	.10	17	3	.005	4.7	11	.17	1.4	2>	1>
19	4692.580	1	>	74	5	191	12	106	.48	.27	197	1	.06	18	7	.005	4.7	18	.17	1.4	2>	2
20	4692.510	6	>	41	2	247	5	60	.15	.07	65	1>	.02	12	2	.005	3.2	13	.13	1.0	2>	1>
21	4693.810	11	1	201	14	232	24	116	1.08	.73	508	1>	.51	51	7	.010	10.3	54	.38	1.4	2>	45
22	4693.880	13	>	234	18	261	37	105	1.42	.84	947	1	.66	75	15	.009	5.6	74	.54	1.8	2>	59
23	4694.560	19	>	161	37	2434	25	63	.78	.69	849	1	.33	275	10	.011	18.7	33	.27	1.4	2>	84
24	4694.570	4	1	190	12	269	25	674	.94	.46	584	2	.26	44	7	.008	4.8	41	.31	1.4	2>	47
25	4694.670	15	1	130	37	2117	16	81	.63	1.50	359	1>	.21	431	7	.012	20.0	39	.26	1.4	2>	66



Appendix 34

List of soil geochemical samples in Area T



Area: Tributary of S. Imbak (Area T)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
1	LT001	1461.83	4679.73	S. Imbak	—	N <sub>2</sub> TJ	15	Y.B.	R	C	F	W	primary forest
2	LT002	1461.55	4679.60	S. Imbak	mudstone	N <sub>2</sub> TJ	15	Y.B.	R	C	F	W	primary forest
3	LT003	1461.19	4679.50	S. Imbak	—	N <sub>2</sub> TJ	15	Y.B.	R	C	F	W	primary forest
4	LT004	1461.30	4679.85	S. Imbak	—	N <sub>2</sub> TJ	15	L.B.	R	C	F	W	primary forest
5	LT005	1461.75	4680.39	S. Imbak	mudstone	N <sub>2</sub> TJ	15	L.B.	R	C	F	W	primary forest
6	LT006	1461.34	4680.50	S. Imbak	mudstone	N <sub>2</sub> TJ	15	L.B.	R	C	F	W	primary forest
7	LT007	1461.40	4681.39	S. Imbak	mudstone/sst	N <sub>2</sub> TJ	10	Y.B.	R	C	M	W	primary forest
8	LT008	1461.15	4681.50	S. Imbak	mudstone/sst	N <sub>2</sub> TJ	10	L.B.	R	C	F	W	primary forest
9	LT009	1461.85	4681.71	S. Imbak	—	N <sub>2</sub> TJ	20	L.B.	R	C	F	W	primary forest
10	LT010	1461.35	4681.88	S. Imbak	mudstone/sst	N <sub>2</sub> TJ	30	L.B.	R	C	F	W	primary forest
11	LT011	1461.72	4682.20	S. Imbak	sandstone	P <sub>3</sub> Lb	30	L.B.	R	C	M	W	primary forest
12	LT012	1461.40	4682.45	S. Imbak	sandstone	P <sub>3</sub> Lb	30	L.B.	R	C	M	W	primary forest
13	LT013	1461.11	4682.99	S. Imbak	sandstone	P <sub>2</sub> Lb	30	L.B.	R	C	M	W	primary forest
14	LT014	1461.57	4683.15	S. Imbak	sandstone	P <sub>2</sub> Lb	30	L.B.	R	C	M	W	primary forest
15	LT015	1461.35	4683.53	S. Imbak	sandstone	P <sub>3</sub> Lb	30	L.B.	R	C	M	W	primary forest
16	LT016	1461.72	4684.00	S. Imbak	sandstone	P <sub>3</sub> Lb	30	Y.B.	R	C	M	W	primary forest
17	LT017	1461.60	4684.32	S. Imbak	sandstone	P <sub>3</sub> Lb	30	L.B.	R	C	S	W	primary forest
18	LT018	1461.15	4684.35	S. Imbak	sandstone	P <sub>3</sub> Lb	30	B.	R	C	M	W	primary forest
19	LT019	1461.38	4684.62	S. Imbak	sandstone	P <sub>3</sub> Lb	30	L.B.	R	C	M	W	primary forest
20	LT020	1461.05	4684.98	S. Imbak	sandstone	P <sub>3</sub> Lb	30	L.B.	R	C	S	W	primary forest
21	LT021	1461.67	4685.33	S. Imbak	sandstone	P <sub>3</sub> Lb	25	L.B.	R	C	M	W	primary forest
22	LT022	1461.46	4685.51	S. Imbak	sandstone	P <sub>3</sub> Lb	30	L.B.	R	C	M	W	primary forest
23	LT023	1461.08	4685.45	S. Imbak	sst/mudstone	P <sub>3</sub> Lb	30	L.B.	M	C	M	W	primary forest
24	LT024	1460.70	4679.52	S. Imbak	mudstone	N <sub>2</sub> TJ	15	Y.B.	R	C	M	W	primary forest
25	LT025	1460.24	4679.56	S. Imbak	mudstone	N <sub>2</sub> TJ	15	L.B.	R	C	M	W	primary forest
26	LT026	1460.99	4680.22	S. Imbak	mudstone	N <sub>2</sub> TJ	15	Y.B.	R	C	M	W	primary forest
27	LT027	1460.40	4680.12	S. Imbak	mudstone	N <sub>2</sub> TJ	15	L.B.	R	C	M	W	primary forest
28	LT028	1460.05	4680.25	S. Imbak	—	N <sub>2</sub> TJ	20	L.B.	R	C	M	W	primary forest
29	LT029	1460.15	4680.60	S. Imbak	—	N <sub>2</sub> TJ	15	L.B.	R	C	M	W	primary forest
30	LT030	1460.52	4680.63	S. Imbak	—	N <sub>2</sub> TJ	20	Y.B.	R	C	M	W	primary forest

\*1Gravel: Many (M), Few (F), Rare or none (R)

\*2Grain size: Sandy (S), Clayey (C)

\*3Topography: Steep (S), Moderate (M), Flat (F)

\*4Humidity: Dry (D), Wet (W)

## Area: Tributary of S. Imbak (Area T)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
31	LT031	1460.86	4681.15	S. Imbak	—	N <sub>2</sub> Tj	20	L.B.	R	C	M	W	primary forest
32	LT032	1460.44	4681.32	S. Imbak	mudstone	N <sub>2</sub> Tj	15	Y.B.	R	C	M	W	primary forest
33	LT033	1460.34	4681.51	S. Imbak	mudstone	N <sub>2</sub> Tj	15	Y.B.	R	C	M	W	primary forest
34	LT034	1460.83	4681.72	S. Imbak	mudstone	N <sub>2</sub> Tj	15	Y.B.	R	C	M	W	primary forest
35	LT035	1460.45	4681.93	S. Imbak	mudstone	N <sub>2</sub> Tj	30	L.B.	R	C	F	W	primary forest
36	LT036	1460.75	4682.05	S. Imbak	mudstone	N <sub>2</sub> Tj	30	L.B.	R	C	F	W	primary forest
37	LT037	1460.96	4682.23	S. Imbak	mudstone	Q <sub>2</sub>	30	L.B.	R	C	F	W	primary forest
38	LT038	1460.41	4682.39	S. Imbak	mudstone	N <sub>2</sub> Tj	30	L.B.	R	C	F	W	primary forest
39	LT039	1460.72	4682.85	S. Imbak	—	N <sub>2</sub> Tj	30	L.B.	R	C	F	W	primary forest
40	LT040	1460.37	4682.74	S. Imbak	—	N <sub>2</sub> Tj	30	L.B.	R	C	F	W	primary forest
41	LT041	1460.19	4682.96	S. Imbak	—	Q <sub>2</sub>	30	L.B.	R	C	F	W	primary forest
42	LT042	1460.35	4683.35	S. Imbak	sandstone	N <sub>2</sub> Tj	25	L.B.	R	C	F	W	primary forest
43	LT043	1460.75	4683.52	S. Imbak	sst/mudstone	P <sub>3</sub> Lb	25	L.B.	R	C	F	W	primary forest
44	LT044	1460.48	4684.08	S. Imbak	sst/mudstone	P <sub>3</sub> Lb	30	L.B.	R	C	M	W	primary forest
45	LT045	1460.57	4684.63	S. Imbak	sst/mudstone	P <sub>3</sub> Lb	25	L.B.	R	C	M	D	primary forest
46	LT046	1460.07	4684.66	S. Imbak	sst/mudstone	P <sub>3</sub> Lb	25	L.B.	R	C	S	W	primary forest
47	LT047	1460.72	4685.00	S. Imbak	sst/mudstone	P <sub>3</sub> Lb	25	L.B.	R	C	S	D	primary forest
48	LT048	1460.38	4685.25	S. Imbak	sst/mudstone	P <sub>3</sub> Lb	30	L.B.	R	C	S	W	primary forest
49	LT049	1460.10	4685.70	S. Imbak	sst/mudstone	P <sub>3</sub> Lb	30	L.B.	R	C	S	W	primary forest
50	LT050	1459.85	4679.51	S. Imbak	mudstone/sst	N <sub>2</sub> Tj	15	L.B.	R	C	S	W	primary forest
51	LT051	1459.10	4679.47	S. Imbak	mudstone	N <sub>2</sub> Tj	10	Y.B.	R	C	M	W	primary forest
52	LT052	1459.02	4679.82	S. Imbak	—	N <sub>2</sub> Tj	10	Y.B.	R	C	S	W	primary forest
53	LT053	1459.88	4679.92	S. Imbak	mudstone	N <sub>2</sub> Tj	10	L.B.	R	C	M	W	primary forest
54	LT054	1459.44	4679.87	S. Imbak	—	N <sub>2</sub> Tj	15	Y.B.	R	C	M	W	primary forest
55	LT055	1459.05	4680.22	S. Imbak	—	N <sub>2</sub> Tj	10	L.B.	R	C	M	W	primary forest
56	LT056	1459.75	4680.43	S. Imbak	—	N <sub>2</sub> Tj	15	L.B.	R	C	M	W	primary forest
57	LT057	1459.41	4680.54	S. Imbak	—	N <sub>2</sub> Tj	10	Y.B.	R	C	M	W	primary forest
58	LT058	1459.95	4681.20	S. Imbak	mudstone	N <sub>2</sub> Tj	15	Y.B.	R	C	M	W	primary forest
59	LT059	1459.40	4680.97	S. Imbak	mudstone	N <sub>2</sub> Tj	10	Y.B.	R	C	M	W	primary forest
60	LT060	1459.18	4681.30	S. Imbak	—	N <sub>2</sub> Tj	10	Y.B.	R	C	M	W	primary forest

\*1Gravel: Many (M), Few (F), Rare or none (R)

\*2Grain size: Sandy (S), Clayey (C)

\*3Topography: Steep (S), Moderate (M), Flat (F)

\*4Humidity: Dry (D), Wet (W)

Area: Tributary of S. Imbak (Area I)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
61	LT061	1459.46	4681.87	S. Imbak	mudstone	N <sub>2</sub> Tj	10	L.B.	R	C	M	W	primary forest
62	LT062	1459.91	4682.05	S. Imbak	—	N <sub>2</sub> Tj	10	L.B.	R	C	F	W	primary forest
63	LT063	1459.40	4682.28	S. Imbak	mudstone	N <sub>2</sub> Tj	30	L.B.	R	C	F	W	primary forest
64	LT064	1459.10	4682.34	S. Imbak	mudstone	N <sub>2</sub> Tj	25	L.B.	R	C	M	W	primary forest
65	LT065	1459.55	4682.70	S. Imbak	sandstone	N <sub>2</sub> Tj	25	L.B.	R	C	F	W	primary forest
66	LT066	1458.96	4682.77	S. Imbak	sandstone	N <sub>2</sub> Tj	25	L.B.	R	C	F	W	primary forest
67	LT067	1459.21	4682.96	S. Imbak	sandstone	N <sub>2</sub> Tj	30	L.B.	R	C	M	W	primary forest
68	LT068	1459.84	4683.08	S. Imbak	—	Q <sub>2</sub>	30	L.B.	R	C	F	W	primary forest
69	LT069	1459.55	4683.16	S. Imbak	sandstone	N <sub>2</sub> Tj	25	L.B.	R	C	F	W	primary forest
70	LT070	1459.77	4683.53	S. Imbak	sandstone	N <sub>2</sub> Tj	25	B.	R	C	S	W	primary forest
71	LT071	1459.28	4683.35	S. Imbak	sandstone	N <sub>2</sub> Tj	30	Y.B.	R	C	S	W	primary forest
72	LT072	1459.35	4683.80	S. Imbak	sandstone	N <sub>2</sub> Tj	30	L.B.	M	C	S	W	primary forest
73	LT073	1459.87	4684.08	S. Imbak	sandstone	P <sub>3</sub> Lb	30	Y.B.	R	C	M	W	primary forest
74	LT074	1459.28	4684.42	S. Imbak	sandstone	P <sub>3</sub> Lb	25	L.B.	R	C	M	W	primary forest
75	LT075	1459.60	4684.80	S. Imbak	sandstone	P <sub>3</sub> Lb	25	L.B.	R	C	M	W	primary forest
76	LT076	1459.72	4685.25	S. Imbak	sandstone	P <sub>3</sub> Lb	25	L.B.	R	C	M	W	primary forest
77	LT077	1458.70	4679.90	S. Imbak	—	N <sub>2</sub> Tj	10	Y.B.	R	C	S	W	primary forest
78	LT078	1458.78	4680.85	S. Imbak	mudstone/sst	N <sub>2</sub> Tj	20	Y.B.	R	C	S	W	primary forest
79	LT079	1458.23	4679.85	S. Imbak	mudstone/sst	N <sub>2</sub> Tj	15	Y.B.	R	C	S	W	primary forest
80	LT080	1458.42	4680.34	S. Imbak	mudstone/sst	N <sub>2</sub> Tj	15	Y.B.	R	C	M	W	primary forest
81	LT081	1458.19	4680.65	S. Imbak	—	N <sub>2</sub> Tj	10	Y.B.	R	C	S	W	primary forest
82	LT082	1458.40	4680.92	S. Imbak	mudstone	N <sub>2</sub> Tj	15	Y.B.	R	C	S	W	primary forest
83	LT083	1458.75	4681.32	S. Imbak	mudstone	N <sub>2</sub> Tj	10	Y.B.	R	C	F	W	primary forest
84	LT084	1458.56	4681.47	S. Imbak	mudstone	N <sub>2</sub> Tj	10	Y.B.	R	C	F	W	primary forest
85	LT085	1458.21	4681.45	S. Imbak	mudstone	N <sub>2</sub> Tj	15	Y.B.	R	C	M	W	primary forest
86	LT086	1458.03	4681.70	S. Imbak	mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
87	LT087	1458.92	4681.75	S. Imbak	—	N <sub>2</sub> Tj	10	Y.B.	R	C	F	W	primary forest
88	LT088	1458.85	4681.95	S. Imbak	—	N <sub>2</sub> Tj	10	Y.B.	R	C	F	W	primary forest
89	LT089	1458.38	4681.95	S. Imbak	—	N <sub>2</sub> Tj	10	Y.B.	R	C	F	W	primary forest
90	LT090	1458.56	4682.42	S. Imbak	mudstone	N <sub>2</sub> Tj	25	L.B.	R	C	F	W	primary forest

\*1Gravel: Many (M), Few (F), Rare or none (R)  
 \*2Grain size: Sandy (S), Clayey (C)  
 \*3Topography: Steep (S), Moderate (M), Flat (F)  
 \*4Humidity: Dry (D), Wet (W)



Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
91	LT091	1458.18	4682.80	S. Imbak	sandstone	N <sub>2</sub> TJ	30	L.B.	R	C	F	W	primary forest
92	LT092	1458.70	4682.98	S. Imbak	sandstone	N <sub>2</sub> TJ	25	L.B.	R	C	M	W	primary forest
93	LT093	1458.28	4683.10	S. Imbak	sandstone	N <sub>2</sub> TJ	30	B.	R	C	S	W	primary forest
94	LT094	1458.85	4683.73	S. Imbak	sandstone	N <sub>2</sub> TJ	30	L.B.	R	C	S	W	primary forest
95	LT095	1458.40	4683.80	S. Imbak	mudstone	N <sub>2</sub> TJ	30	Y.	R	C	S	W	primary forest
96	LT096	1458.04	4683.90	S. Imbak	sst/mudstone	N <sub>2</sub> TJ	30	L.B.	R	C	S	W	primary forest
97	LT097	1458.75	4684.24	S. Imbak	sandstone	N <sub>2</sub> TJ	30	L.B.	R	C	S	W	primary forest
98	LT098	1458.28	4684.20	S. Imbak	sst/mudstone	N <sub>2</sub> TJ	30	L.B.	R	C	S	W	primary forest
99	LT099	1458.00	4684.68	S. Imbak	sandstone	N <sub>2</sub> TJ	30	L.B.	F	C	S	W	primary forest
100	LT100	1458.90	4684.90	S. Imbak	sandstone	P <sub>3</sub> Lb	30	L.B.	M	C	F	W	primary forest
101	LT101	1458.38	4685.15	S. Imbak	sandstone	P <sub>3</sub> Lb	30	L.B.	R	C	M	W	primary forest
102	LT102	1457.55	4679.70	S. Imbak	mudstone	N <sub>2</sub> TJ	15	L.B.	R	C	S	W	primary forest
103	LT103	1457.08	4679.90	S. Imbak	mudstone/sst	N <sub>2</sub> TJ	20	Y.B.	R	C	S	W	primary forest
104	LT104	1457.48	4680.15	S. Imbak	mudstone/sst	N <sub>2</sub> TJ	15	L.B.	R	C	M	W	primary forest
105	LT105	1457.25	4680.29	S. Imbak	---	N <sub>2</sub> TJ	15	Y.B.	R	C	S	W	primary forest
106	LT106	1457.48	4680.60	S. Imbak	mudstone/sst	N <sub>2</sub> TJ	15	Y.B.	R	C	S	W	primary forest
107	LT107	1457.00	4680.71	S. Imbak	sst/mudstone	N <sub>2</sub> TJ	15	Y.B.	R	C	S	W	primary forest
108	LT108	1457.95	4681.12	S. Imbak	mudstone	N <sub>2</sub> TJ	20	Y.B.	R	C	S	W	primary forest
109	LT109	1457.14	4681.03	S. Imbak	mudstone	N <sub>2</sub> TJ	15	Y.B.	R	C	F	W	primary forest
110	LT110	1457.38	4681.17	S. Imbak	---	N <sub>2</sub> TJ	15	L.B.	R	C	M	W	primary forest
111	LT111	1457.60	4681.60	S. Imbak	---	N <sub>2</sub> TJ	10	L.B.	R	C	F	W	primary forest
112	LT112	1457.78	4682.08	S. Imbak	---	N <sub>2</sub> TJ	15	Y.B.	R	S	F	W	primary forest
113	LT113	1457.25	4681.90	S. Imbak	---	N <sub>2</sub> TJ	15	Y.B.	R	C	F	W	primary forest
114	LT114	1457.60	4682.25	S. Imbak	mudstone	N <sub>2</sub> TJ	15	Y.B.	R	C	F	W	primary forest
115	LT115	1457.95	4682.35	S. Imbak	mudstone	N <sub>2</sub> TJ	30	L.B.	R	C	M	W	primary forest
116	LT116	1457.40	4682.65	S. Imbak	sandstone	N <sub>2</sub> TJ	30	L.B.	R	C	F	W	primary forest
117	LT117	1457.65	4682.83	S. Imbak	sandstone	N <sub>2</sub> TJ	30	L.B.	R	C	F	W	primary forest
118	LT118	1457.80	4683.22	S. Imbak	sandstone	N <sub>2</sub> TJ	30	B.	R	C	S	W	primary forest
119	LT119	1457.35	4683.22	S. Imbak	mudstone	N <sub>2</sub> TJ	25	L.B.	R	C	S	W	primary forest
120	LT120	1457.50	4683.75	S. Imbak	sandstone	N <sub>2</sub> TJ	25	L.B.	R	C	M	W	primary forest

\*1Gravel: Many (M), Few (F), Rare or none (R)  
 \*2Grain size: Sandy (S), Clayey (C)  
 \*3Topography: Steep (S), Moderate (M), Flat (F)  
 \*4Humidity: Dry (D), Wet (W)

Area: Tributary of S. Imbak (Area T)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
121	LT121	1457.12	4683.88	S. Imbak	sandstone	N <sub>2</sub> Tj	30	L.B.	R	C	S	W	primary forest
122	LT122	1457.70	4684.37	S. Imbak	sandstone	N <sub>2</sub> Tj	30	Y.B.	M	C	F	W	primary forest
123	LT123	1457.20	4684.34	S. Imbak	sandstone	N <sub>2</sub> Tj	30	L.B.	R	C	S	W	primary forest
124	LT124	1457.57	4684.80	S. Imbak	sandstone	N <sub>2</sub> Tj	30	Y.B.	R	C	S	W	primary forest
125	LT125	1457.44	4684.78	S. Imbak	mudstone	N <sub>2</sub> Tj	30	B.	R	C	S	W	primary forest
126	LT126	1457.05	4684.70	S. Imbak	mudstone/sst	N <sub>2</sub> Tj	30	B.	R	C	S	W	primary forest
127	LT127	1457.90	4685.35	S. Imbak	sandstone	P <sub>3</sub> Lb	30	L.B.	R	C	S	W	primary forest
128	LT128	1457.54	4685.19	S. Imbak	sandstone	P <sub>3</sub> Lb	30	L.B.	R	C	S	W	primary forest
129	LT129	1457.50	4685.68	S. Imbak	sandstone	P <sub>3</sub> Lb	30	L.B.	R	C	S	W	primary forest
130	LT130	1456.80	4679.80	S. Imbak	mudstone/sst	N <sub>2</sub> Tj	20	Y.B.	R	C	S	W	primary forest
131	LT131	1456.26	4680.70	S. Imbak	mudstone/sst	N <sub>2</sub> Tj	15	Y.B.	R	C	S	W	primary forest
132	LT132	1456.20	4680.05	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	B.	F	C	S	W	primary forest
133	LT133	1456.50	4680.46	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	15	Y.B.	R	C	S	W	primary forest
134	LT134	1456.41	4681.05	S. Imbak	mudstone/sst	N <sub>2</sub> Tj	10	Y.B.	R	C	S	W	primary forest
135	LT135	1456.90	4681.45	S. Imbak	_____	N <sub>2</sub> Tj	15	Y.B.	R	C	S	W	primary forest
136	LT136	1456.48	4681.42	S. Imbak	mudstone/sst	N <sub>2</sub> Tj	15	Y.B.	R	C	S	W	primary forest
137	LT137	1456.60	4681.71	S. Imbak	_____	N <sub>2</sub> Tj	10	Y.B.	R	C	S	W	primary forest
138	LT138	1456.00	4681.71	S. Imbak	_____	N <sub>2</sub> Tj	15	Y.B.	R	C	S	W	primary forest
139	LT139	1456.68	4681.95	S. Imbak	_____	N <sub>2</sub> Tj	15	Y.B.	R	C	S	W	primary forest
140	LT140	1456.26	4682.14	S. Imbak	_____	N <sub>2</sub> Tj	15	Y.B.	R	C	S	W	primary forest
141	LT141	1456.95	4682.48	S. Imbak	mudstone	N <sub>2</sub> Tj	30	L.B.	R	C	S	W	primary forest
142	LT142	1456.60	4682.55	S. Imbak	mudstone	N <sub>2</sub> Tj	30	L.B.	R	C	S	W	primary forest
143	LT143	1456.00	4682.52	S. Imbak	_____	N <sub>2</sub> Tj	30	D.B.	R	C	S	W	primary forest
144	LT144	1456.85	4682.78	S. Imbak	sandstone	N <sub>2</sub> Tj	30	L.B.	R	C	S	W	primary forest
145	LT145	1456.35	4682.78	S. Imbak	_____	N <sub>2</sub> Tj	30	D.B.	R	C	S	W	primary forest
146	LT146	1456.67	4683.05	S. Imbak	mudstone	N <sub>2</sub> Tj	30	D.B.	R	C	S	W	primary forest
147	LT147	1456.88	4683.15	S. Imbak	mudstone	N <sub>2</sub> Tj	30	L.B.	R	C	S	W	primary forest
148	LT148	1456.16	4683.12	S. Imbak	_____	N <sub>2</sub> Tj	30	B.	R	C	S	W	primary forest
149	LT149	1456.35	4683.38	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	D.B.	R	C	S	W	primary forest
150	LT150	1456.90	4683.50	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	L.B.	R	C	S	W	primary forest

\*1Gravel: Many (M), Few (F), Rare or none (R)  
 \*2Grain size: Sandy (S), Clayey (C)  
 \*3Topography: Steep (S), Moderate (M), Flat (F)  
 \*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegetation
		N	E										
151	LT151	1456.72	4683.40	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	B.	F	C	S	W	primary forest
152	LT152	1456.08	4683.84	S. Imbak	—	N <sub>2</sub> Tj	30	B.	F	C	S	W	primary forest
153	LT153	1457.04	4684.08	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	B.	R	C	M	W	primary forest
154	LT154	1456.45	4684.10	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	B.	R	C	S	W	primary forest
155	LT155	1456.15	4684.25	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	B.	R	C	S	W	primary forest
156	LT156	1456.21	4684.52	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	B.	F	C	S	W	primary forest
157	LT157	1456.65	4685.13	S. Imbak	mudstone	N <sub>2</sub> Tj	30	D.B.	F	C	S	W	primary forest
158	LT158	1456.10	4685.15	S. Imbak	mudstone	N <sub>2</sub> Tj	30	B.	R	C	M	W	primary forest
159	LT159	1457.04	4685.28	S. Imbak	sandstone	P <sub>3</sub> Lb	30	B.	R	C	S	W	primary forest
160	LT160	1456.60	4685.68	S. Imbak	sandstone	P <sub>3</sub> Lb	30	B.	F	C	S	W	primary forest
161	LT161	1456.08	4685.58	S. Imbak	sandstone	P <sub>3</sub> Lb	30	B.	F	C	M	W	primary forest
162	LT162	1455.98	4679.33	S. Imbak	sandstone	N <sub>2</sub> Tj	30	B.	F	C	S	W	primary forest
163	LT163	1455.68	4679.55	S. Imbak	sandstone	N <sub>2</sub> Tj	30	L.B.	R	C	S	W	primary forest
164	LT164	1455.18	4679.40	S. Imbak	sandstone	N <sub>2</sub> Tj	30	B.	F	C	S	W	primary forest
165	LT165	1455.77	4680.05	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	Y.B.	F	C	S	W	primary forest
166	LT166	1455.40	4680.08	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	B.	F	C	S	W	primary forest
167	LT167	1455.60	4680.37	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	D.B.	F	C	S	W	primary forest
168	LT168	1455.67	4680.78	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	B.	R	C	S	W	primary forest
169	LT169	1455.36	4680.92	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	B.	R	C	S	W	primary forest
170	LT170	1455.38	4681.22	S. Imbak	mudstone	N <sub>2</sub> Tj	30	B.	F	C	F	W	primary forest
171	LT171	1455.56	4681.55	S. Imbak	sandstone	N <sub>2</sub> Tj	30	B.	F	C	M	W	primary forest
172	LT172	1455.32	4681.58	S. Imbak	—	N <sub>2</sub> Tj	30	B.	R	C	E	W	primary forest
173	LT173	1455.18	4681.75	S. Imbak	—	N <sub>2</sub> Tj	30	D.B.	F	C	S	W	primary forest
174	LT174	1455.68	4682.04	S. Imbak	—	N <sub>2</sub> Tj	30	B.	R	C	M	W	primary forest
175	LT175	1455.48	4682.08	S. Imbak	—	N <sub>2</sub> Tj	30	D.B.	R	C	F	W	primary forest
176	LT176	1455.03	4682.02	S. Imbak	—	N <sub>2</sub> Tj	30	D.B.	R	C	S	W	primary forest
177	LT177	1455.40	4682.33	S. Imbak	—	N <sub>2</sub> Tj	30	B.	F	C	M	W	primary forest
178	LT178	1455.80	4682.77	S. Imbak	—	N <sub>2</sub> Tj	30	D.B.	F	C	M	W	primary forest
179	LT179	1455.30	4682.72	S. Imbak	—	N <sub>2</sub> Tj	30	B.	F	C	M	W	primary forest
180	LT180	1455.34	4683.04	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	L.B.	R	C	S	W	primary forest

\*1Gravel: Many (M), Few (F), Rare or none (R)

\*2Topography: Steep (S), Moderate (M), Flat (F)

\*3Grain size: Sandy (S), Clayey (C)

\*4Humidity: Dry (D), Wet (W)

Area: Tributary of S. Imbak (Area T)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
181	LT181	1455.78	4683.24	S. Imbak	sst/mudstone	N <sub>2</sub> TJ	30	B.	R	C	M	W	primary forest
182	LT182	1455.19	4683.42	S. Imbak	sst/mudstone	N <sub>2</sub> TJ	30	B.	R	C	M	W	primary forest
183	LT183	1455.51	4683.57	S. Imbak	sst/mudstone	N <sub>2</sub> TJ	30	B.	F	C	M	W	primary forest
184	LT184	1455.39	4683.95	S. Imbak	mudstone	N <sub>2</sub> TJ	30	Y.B.	R	C	M	W	primary forest
185	LT185	1455.58	4684.40	S. Imbak	sandstone	N <sub>2</sub> TJ	30	B.	R	C	M	W	primary forest
186	LT186	1455.85	4684.95	S. Imbak	sandstone	N <sub>2</sub> TJ	30	B.	F	C	M	W	primary forest
187	LT187	1455.15	4684.73	S. Imbak	sandstone	N <sub>2</sub> TJ	30	B.	R	C	M	W	primary forest
188	LT188	1455.62	4685.40	S. Imbak	sandstone	P <sub>3</sub> Lb	30	B.	R	C	M	W	primary forest
189	LT189	1455.10	4685.49	S. Imbak	sst/mudstone	P <sub>3</sub> Lb	30	B.	F	C	M	W	primary forest
190	LT190	1454.63	4679.40	S. Imbak	mudstone	N <sub>2</sub> TJ	20	Y.B.	R	C	M	W	primary forest
191	LT191	1454.12	4679.43	S. Imbak	mudstone	N <sub>2</sub> TJ	20	Y.B.	R	C	F	W	primary forest
192	LT192	1454.87	4679.88	S. Imbak	mudstone	N <sub>2</sub> TJ	30	Y.B.	R	C	S	W	primary forest
193	LT193	1454.18	4679.91	S. Imbak	mudstone	N <sub>2</sub> TJ	20	Y.B.	R	C	M	W	primary forest
194	LT194	1454.92	4680.30	S. Imbak	mudstone	N <sub>2</sub> TJ	20	Y.B.	R	C	M	W	primary forest
195	LT195	1454.64	4680.41	S. Imbak	mudstone	N <sub>2</sub> TJ	20	Y.B.	R	C	S	W	primary forest
196	LT196	1454.08	4680.22	S. Imbak	mudstone	N <sub>2</sub> TJ	20	Y.B.	R	C	M	W	primary forest
197	LT197	1454.22	4680.62	S. Imbak	mudstone	N <sub>2</sub> TJ	20	Y.B.	R	C	S	W	primary forest
198	LT198	1453.96	4680.65	S. Imbak	mudstone	N <sub>2</sub> TJ	20	Y.B.	R	C	M	W	primary forest
199	LT199	1454.92	4680.83	S. Imbak	mudstone	N <sub>2</sub> TJ	20	Y.B.	R	C	M	W	primary forest
200	LT200	1454.75	4680.87	S. Imbak	mudstone	N <sub>2</sub> TJ	20	Y.B.	R	C	S	W	primary forest
201	LT201	1454.35	4681.07	S. Imbak	mudstone	N <sub>2</sub> TJ	20	Y.B.	R	C	M	W	primary forest
202	LT202	1454.83	4681.35	S. Imbak	sandstone	N <sub>2</sub> TJ	20	Y.B.	R	C	F	W	primary forest
203	LT203	1454.60	4681.55	S. Imbak	—	N <sub>2</sub> TJ	20	Y.B.	R	C	S	W	primary forest
204	LT204	1454.20	4681.47	S. Imbak	—	N <sub>2</sub> TJ	20	Y.B.	R	C	M	W	primary forest
205	LT205	1454.85	4682.30	S. Imbak	—	N <sub>2</sub> TJ	20	Y.B.	R	C	F	W	primary forest
206	LT206	1454.57	4682.03	S. Imbak	—	N <sub>2</sub> TJ	20	Y.B.	R	C	F	W	primary forest
207	LT207	1454.38	4682.42	S. Imbak	—	N <sub>2</sub> TJ	20	Y.B.	R	C	F	W	primary forest
208	LT208	1454.96	4682.65	S. Imbak	—	N <sub>2</sub> TJ	20	Y.B.	R	C	F	W	primary forest
209	LT209	1454.62	4682.75	S. Imbak	—	N <sub>2</sub> TJ	20	L.B.	R	C	F	W	primary forest
210	LT210	1454.28	4682.90	S. Imbak	mudstone	N <sub>2</sub> TJ	20	L.B.	R	C	M	W	primary forest

\*1Gravel: Many (M), Few (F), Rare or none (R)

\*2Grain size: Sandy (S), Clayey (C)

\*3Topography: Steep (S), Moderate (M), Flat (F)

\*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegetation
		N	E										
211	LT211	1454.85	4683.10	S. Imbak	—	N <sub>2</sub> Tj	20	L.B.	R	C	M	W	primary forest
212	LT212	1454.75	4683.42	S. Imbak	mudstone	N <sub>2</sub> Tj	20	L.B.	R	C	F	W	primary forest
213	LT213	1454.42	4683.30	S. Imbak	mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
214	LT214	1454.10	4683.27	S. Imbak	mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	S	W	primary forest
215	LT215	1454.30	4683.55	S. Imbak	mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
216	LT216	1454.95	4683.80	S. Imbak	mudstone	N <sub>2</sub> Tj	30	D.B.	R	C	M	W	primary forest
217	LT217	1454.68	4683.80	S. Imbak	mudstone	N <sub>2</sub> Tj	30	D.B.	R	C	M	W	primary forest
218	LT218	1454.88	4684.00	S. Imbak	mudstone	N <sub>2</sub> Tj	30	R.B.	R	C	M	W	primary forest
219	LT219	1454.32	4684.18	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	B.	R	C	M	W	primary forest
220	LT220	1454.05	4684.32	S. Imbak	sst/mudstone	N <sub>2</sub> Tj	30	B.	F	C	M	W	primary forest
221	LT221	1454.58	4684.55	S. Imbak	—	N <sub>2</sub> Tj	30	B.	R	C	M	W	primary forest
222	LT222	1454.40	4685.10	S. Imbak	—	P <sub>3</sub> Lb	30	B.	R	C	M	W	primary forest
223	LT223	1454.70	4685.45	S. Imbak	sst/mudstone	P <sub>3</sub> Lb	30	B	R	C	S	W	primary forest
224	LT224	1453.85	4679.50	S. Imbak	mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
225	LT225	1453.22	4679.82	S. Imbak	mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
226	LT226	1453.58	4679.92	S. Imbak	mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	S	W	primary forest
227	LT227	1453.86	4680.15	S. Imbak	sandstone	N <sub>2</sub> Tj	20	Y.B.	R	C	S	W	primary forest
228	LT228	1453.80	4680.42	S. Imbak	porphyrite	N <sub>2</sub> Tj	10	Y.B.	R	C	S	W	primary forest
229	LT229	1453.37	4680.48	S. Imbak	mudstone	N <sub>2</sub> Tj	20	L.B.	R	C	M	W	primary forest
230	LT230	1453.70	4680.82	S. Imbak	mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	S	W	primary forest
231	LT231	1453.95	4681.12	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
232	LT232	1453.58	4681.05	S. Imbak	mudstone	N <sub>2</sub> Tj	30	Y.B.	R	C	S	W	primary forest
233	LT233	1453.27	4681.26	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	S	W	primary forest
234	LT234	1453.77	4681.52	S. Imbak	mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	S	W	primary forest
235	LT235	1453.95	4681.77	S. Imbak	mudstone	N <sub>2</sub> Tj	10	Y.B.	R	C	M	W	primary forest
236	LT236	1453.42	4681.68	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	Y.B.	F	C	S	W	primary forest
237	LT237	1453.34	4681.98	S. Imbak	porphyrite	N <sub>2</sub> Tj	30	Y.B.	R	C	S	W	primary forest
238	LT238	1453.63	4682.17	S. Imbak	mudstone	N <sub>2</sub> Tj	30	L.B.	R	C	S	W	primary forest
239	LT239	1453.40	4682.20	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	S	W	primary forest
240	LT240	1453.97	4682.40	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest

\*1Gravel: Many (M), Few (F), Rare or none (R)      \*2Grain size: Sandy (S), Clayey (C)

\*3Topography: Steep (S), Moderate (M), Flat (F)

\*4Humidity: Dry (D), Wet (W)

Area: Tributary of S. Imbak (Area T)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
241	LT241	1453.57	4682.45	S. Imbak	mudstone	N <sub>2</sub> Tj	30	Y.B.	R	C	S	W	primary forest
242	LT242	1453.98	4682.72	S. Imbak	porphyrite	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
243	LT243	1453.50	4682.70	S. Imbak	mudstone	N <sub>2</sub> Tj	10	Y.B.	R	C	M	W	primary forest
244	LT244	1453.70	4683.17	S. Imbak	—	N <sub>2</sub> Tj	30	Y.B.	R	C	M	W	primary forest
245	LT245	1453.39	4683.10	S. Imbak	—	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
246	LT246	1453.30	4683.32	S. Imbak	—	N <sub>2</sub> Tj	20	Y.B.	F	C	M	W	primary forest
247	LT247	1453.80	4683.64	S. Imbak	—	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
248	LT248	1453.32	4683.65	S. Imbak	mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
249	LT249	1453.97	4683.82	S. Imbak	—	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
250	LT250	1453.35	4683.92	S. Imbak	mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	S	W	primary forest
251	LT251	1453.72	4684.45	S. Imbak	—	P <sub>3</sub> Lb	30	B.	R	C	M	W	primary forest
252	LT252	1453.55	4684.70	S. Imbak	—	P <sub>3</sub> Lb	30	B.	R	C	M	W	primary forest
253	LT253	1454.00	4684.90	S. Imbak	sst/mudstone	P <sub>3</sub> Lb	30	B.	R	C	F	W	primary forest
254	LT254	1453.95	4685.28	S. Imbak	sst/mudstone	P <sub>3</sub> Lb	30	B.	R	C	M	W	primary forest
255	LT255	1453.60	4685.30	S. Imbak	sandstone	P <sub>3</sub> Lb	30	B.	R	C	M	W	primary forest
256	LT256	1453.50	4685.75	S. Imbak	sandstone	P <sub>3</sub> Lb	30	Y.B.	R	C	M	W	primary forest
257	LT257	1453.20	4680.08	S. Imbak	mudstone	N <sub>2</sub> Tj	10	Y.B.	R	C	M	W	primary forest
258	LT258	1452.88	4680.30	S. Imbak	mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
259	LT259	1453.08	4680.39	S. Imbak	mudstone	N <sub>2</sub> Tj	20	L.B.	F	C	M	W	primary forest
260	LT260	1452.95	4680.63	S. Imbak	mudstone	N <sub>2</sub> Tj	10	Y.B.	F	C	M	W	primary forest
261	LT261	1452.65	4681.23	S. Imbak	—	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
262	LT262	1452.85	4681.03	S. Imbak	—	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
263	LT263	1452.98	4681.40	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	S	W	primary forest
264	LT264	1453.00	4681.68	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	L.B.	R	C	S	W	primary forest
265	LT265	1452.58	4681.40	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	Y.B.	F	C	M	W	primary forest
266	LT266	1452.58	4681.61	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
267	LT267	1452.85	4681.97	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	L.B.	R	C	S	W	primary forest
268	LT268	1452.50	4681.95	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	S	W	primary forest
269	LT269	1452.45	4682.20	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	L.B.	R	C	S	W	primary forest
270	LT270	1452.85	4682.21	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	L.B.	R	C	S	W	primary forest

\*1Gravel: Many (M), Few (F), Rare or none (R)

\*2Grain size: Sandy (S), Clayey (C)

\*3Topography: Steep (S), Moderate (M), Flat (F)

\*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegetation
		N	E										
271	LT271	1453.02	4682.43	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	10	Y.B.	R	C	S	W	primary forest
272	LT272	1452.70	4682.47	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	S	W	primary forest
273	LT273	1452.65	4682.74	S. Imbak	sili. mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	S	W	primary forest
274	LT274	1452.95	4682.92	S. Imbak	_____	N <sub>2</sub> Tj	30	Y.B.	R	C	S	W	primary forest
275	LT275	1453.00	4683.70	S. Imbak	mudstone	N <sub>2</sub> Tj	20	Y.B.	R	C	M	W	primary forest
276	LT276	1452.66	4684.10	S. Imbak	_____	P <sub>3</sub> Lb	30	B.	R	C	M	W	primary forest
277	LT277	1452.65	4684.52	S. Imbak	_____	P <sub>3</sub> Lb	30	B.	R	C	M	W	primary forest
278	LT278	1452.99	4684.92	S. Imbak	_____	P <sub>3</sub> Lb	30	L.B.	R	C	F	W	primary forest
279	LT279	1452.97	4685.48	S. Imbak	_____	P <sub>3</sub> Lb	30	B.	R	C	F	W	primary forest
280	LT280	1452.52	4685.25	S. Imbak	_____	P <sub>3</sub> Lb	30	L.B.	R	C	M	W	primary forest

\*1Gravel: Many (M), Few (F), Rare or none (R)

\*3Topography: Steep (S), Moderate (M), Flat (F)

\*2Grain size: Sandy (S), Clayey (C)

\*4Humidity: Dry (D), Wet (W)

Appendix 35

Analytical results of soil geochemical  
samples in Area T





List of Geochemical Analysis ( 1 )

Ser. No.	Sample No.	Location (km)	X-coord	Y-coord	AS	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mb	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
1	LT001	4679.730	1461.830	3	>	76	5	67	8	208	.33	.19	24	>	.05	16	13	.013	2.7	31	.37	2.2	2	5	
2	LT002	4679.600	1461.550	1	>	70	5	75	8	296	.27	.20	52	1	.07	14	7	.022	4.5	32	.35	2.0	2	2	
3	LT003	4679.500	1461.190	1	>	73	3	74	7	260	.28	.19	33	1	.04	16	3	.019	3.9	31	.37	2.4	2	4	
4	LT004	4679.850	1461.300	17	>	139	14	95	17	754	.92	.55	191	1	.47	43	13	.020	5.1	59	.49	2.4	2	43	
5	LT005	4680.390	1461.750	12	>	162	14	106	18	113	1.17	.63	252	1	.45	50	13	.018	4.9	73	.45	2.2	2	48	
6	LT006	4680.500	1461.340	3	>	105	3	87	13	129	.58	.28	33	1	.06	22	13	.015	4.4	39	.45	2.4	2	16	
7	LT007	4681.390	1461.400	6	>	65	3	73	6	241	.26	.20	34	1	.07	19	7	.016	6.4	31	.35	2.4	2	8	
8	LT008	4681.500	1461.150	8	>	98	4	80	12	139	.61	.30	36	1	.19	22	6	.020	5.6	41	.37	2.2	2	19	
9	LT009	4681.710	1461.850	9	>	44	2	60	3	221	.12	.09	12	1	.03	7	9	.016	2.8	28	.37	2.0	2	1	
10	LT010	4682.200	1461.720	10	>	80	10	80	10	115	.44	.31	42	1	.15	25	19	.012	2.9	38	.37	2.2	2	28	
11	LT011	4682.450	1461.400	18	2	88	4	67	5	145	.35	.20	25	1	.07	11	6	.012	5.0	38	.43	2.2	2	6	
12	LT012	4682.990	1461.110	10	>	71	3	60	6	195	.32	.20	23	1	.04	10	8	.017	6.1	32	.32	2.2	2	3	
13	LT013	4683.150	1461.400	6	>	134	1	86	8	177	.96	.38	35	1	.10	17	8	.017	1.2	53	.43	2.4	2	10	
14	LT014	4683.330	1461.570	2	>	53	3	53	2	299	.87	.13	9	1	.03	6	5	.014	2.0	37	.29	1.8	2	1	
15	LT015	4683.530	1461.350	6	>	133	4	78	10	172	.87	.43	111	1	.16	25	9	.021	3.5	50	.47	2.2	2	36	
16	LT016	4684.000	1461.720	10	>	174	11	92	16	119	1.42	.63	121	1	.15	44	15	.015	4.1	58	.46	2.6	2	66	
17	LT017	4684.320	1461.600	5	>	189	17	83	29	218	1.48	.70	394	2	.24	39	20	.018	5.9	62	.49	2.6	2	67	
18	LT018	4684.350	1461.150	3	>	196	24	101	20	137	1.38	.81	367	1	.45	53	19	.024	4.9	64	.48	2.6	2	73	
19	LT019	4684.620	1461.380	1	>	159	12	84	21	105	1.02	.58	274	1	.23	36	15	.020	6.0	53	.46	2.4	2	49	
20	LT020	4684.980	1461.050	4	>	135	5	72	6	78	.54	.29	108	1	.16	25	8	.016	2.8	20	.32	1.6	2	7	
21	LT021	4685.330	1461.670	1	>	211	11	94	11	246	.54	.30	80	1	.11	24	7	.019	4.9	41	.42	2.0	2	21	
22	LT022	4685.510	1461.460	6	>	111	7	102	6	269	.47	.27	38	1	.08	27	10	.015	4.8	24	.39	2.0	2	12	
23	LT023	4685.450	1461.080	5	>	178	8	91	17	91	.97	.49	121	1	.46	34	16	.016	6.8	68	.55	2.4	2	45	
24	LT024	4679.520	1460.700	7	>	109	7	88	11	203	.45	.29	134	2	.27	35	16	.019	2.4	47	.36	2.4	2	16	
25	LT025	4679.560	1460.240	5	>	174	14	114	24	150	1.25	.72	145	1	.82	53	19	.019	2.4	47	.36	2.4	2	16	
26	LT026	4680.220	1460.590	6	>	116	17	90	12	151	.68	.39	59	1	.15	23	10	.025	4.5	43	.47	2.2	2	21	
27	LT027	4680.120	1460.400	15	>	168	19	92	27	151	1.31	.56	240	1	.37	40	20	.020	3.7	61	.52	2.4	2	54	
28	LT028	4680.250	1460.050	2	>	69	4	67	7	160	.26	.17	25	1	.06	13	3	.019	5.5	31	.34	2.2	2	1	
29	LT029	4680.600	1460.150	10	>	95	5	80	10	137	.44	.27	52	1	.14	21	7	.017	3.7	37	.37	2.4	2	13	
30	LT030	4680.630	1460.520	6	>	119	8	91	14	252	.71	.41	52	1	.14	28	7	.017	5.9	43	.47	2.6	2	33	
31	LT031	4681.150	1460.860	10	>	125	12	79	16	150	.70	.34	63	1	.14	34	13	.018	2.8	55	.48	2.2	2	25	
32	LT032	4681.320	1460.440	5	>	100	7	79	12	144	.52	.32	63	1	.13	26	10	.022	3.5	39	.40	2.0	2	35	
33	LT033	4681.510	1460.340	3	>	116	8	90	17	149	.76	.39	65	1	.14	39	12	.019	6.2	35	.42	2.2	2	10	
34	LT034	4681.720	1460.830	1	>	85	7	77	9	138	.45	.25	30	1	.07	17	4	.016	3.5	42	.40	2.2	2	35	
35	LT035	4681.930	1460.450	1	>	72	2	63	6	156	.31	.16	24	1	.04	12	14	.013	3.6	32	.40	2.4	2	1	
36	LT036	4682.050	1460.750	9	1	127	4	88	8	219	.75	.36	23	2	.09	19	17	.012	6.0	54	.58	2.8	2	12	
37	LT037	4682.230	1460.960	8	2	62	2	86	6	197	.26	.18	17	1	.04	11	12	.012	2.2	37	.47	2.4	2	1	
38	LT038	4682.390	1460.410	33	2	71	15	61	7	113	.28	.16	34	1	.06	11	14	.014	4.3	30	.34	2.2	2	1	
39	LT039	4682.850	1460.720	29	3	153	9	82	22	113	1.12	.61	296	1	.55	42	18	.020	7.3	59	.35	2.4	2	53	
40	LT040	4682.740	1460.370	29	3	120	9	73	14	84	.87	.36	274	1	.47	27	20	.017	7.1	54	.34	2.2	2	35	
41	LT041	4682.960	1460.190	18	3	136	15	78	20	102	.87	.47	273	2	.49	34	25	.014	7.4	52	.33	2.2	2	43	
42	LT042	4683.350	1460.350	31	1	129	11	76	15	124	.74	.41	202	1	.52	28	20	.021	5.5	53	.34	2.2	2	30	
43	LT043	4683.520	1460.750	6	1	133	16	70	13	72	.84	.52	569	1	.25	27	17	.016	5.4	50	.41	2.0	2	36	
44	LT044	4684.080	1460.480	7	1	146	6	82	12	91	.93	.45	77	1	.14	21	23	.017	10.4	55	.49	2.4	2	38	
45	LT045	4684.630	1460.570	8	1	101	4	72	12	148	.46	.29	44	2	.13	18	20	.017	4.9	45	.40	2.4	2	20	
46	LT046	4684.660	1460.070	8	1	123	6	71	11	144	.55	.36	88	1	.08	19	16	.015	4.1	52	.47	2.4	2	25	
47	LT047	4685.000	1460.720	1	>	125	4	70	7	86	.66	.37	105	2	.34	21	17	.013	6.6	37	.31	2.0	2	16	
48	LT048	4685.250	1460.380	1	>	153	5	112	12	126	.89	.51	64	2	.19	32	25	.016	4.5	23	.36	2.4	2	23	
49	LT049	4685.700	1460.100	12	2	133	17	92	21	244	1.02	.60	356	2	.60	35	20	.019	7.7	67	.46	2.0	2	44	
50	LT050	4679.510	1459.850	1	>	182	8	89	11	140	1.25	.49	132	1	.47	26	16	.014	6.0	23	.34	2.0	2	16	

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	L1051	4679.470	1459.100	>	117	1	92	14	103	.71	.32	30	2	.09	16	20	.021	8.5	44	.42	2.8	>	4
52	L1052	4679.820	1459.020	>	49	2	80	6	103	.18	.14	14	1	.04	13	12	.019	4.9	29	.31	2.4	>	>
53	L1053	4679.920	1459.880	>	74	4	66	8	203	.28	.19	37	1	.18	15	8	.024	3.5	33	.29	2.2	>	4
54	L1054	4679.870	1459.440	>	112	10	87	12	133	.56	.39	179	1	.36	32	16	.015	4.9	50	.38	2.4	>	28
55	L1055	4680.220	1459.050	>	91	10	78	11	257	.45	.26	40	1	.08	17	17	.015	9.3	40	.39	2.6	4	11
56	L1056	4680.430	1459.750	>	136	10	94	22	266	.90	.52	97	2	.31	47	25	.015	8.7	54	.45	2.4	>	49
57	L1057	4680.540	1459.410	>	87	5	89	12	160	.39	.23	52	2	.31	23	15	.018	6.1	33	.34	2.6	>	21
58	L1058	4681.200	1459.950	>	165	11	108	25	141	1.29	.68	105	1	.27	41	31	.017	7.5	57	.54	2.2	>	60
59	L1059	4680.970	1459.400	>	138	6	103	23	109	.98	.46	35	1	.16	28	32	.014	4.9	50	.48	2.6	>	37
60	L1060	4681.300	1459.180	>	123	10	81	19	111	.65	.36	230	1	.14	29	16	.023	6.0	46	.44	2.4	4	33
61	L1061	4681.870	1459.460	>	133	7	93	17	95	.83	.45	71	1	.18	32	25	.018	7.0	46	.45	2.4	>	36
62	L1062	4682.050	1459.910	>	120	6	82	13	140	.69	.42	78	2	.52	27	21	.015	6.0	58	.40	2.2	>	29
63	L1063	4682.280	1459.400	>	141	13	92	15	88	1.02	.57	120	3	.21	36	29	.017	13.6	53	.51	2.4	3	41
64	L1064	4682.340	1458.100	>	169	9	95	25	122	1.40	.64	141	3	.31	26	32	.023	9.6	68	.52	3.0	3	42
65	L1065	4682.700	1459.550	3	102	6	77	14	82	.56	.32	127	1	.36	26	31	.019	9.4	46	.33	1.8	>	25
66	L1066	4682.770	1458.960	2	114	7	72	13	495	.61	.34	96	1	.45	24	22	.020	8.5	51	.33	2.2	>	24
67	L1067	4682.960	1459.210	>	146	8	87	18	126	1.06	.50	112	1	.41	18	21	.024	6.7	59	.45	2.6	>	32
68	L1068	4683.080	1459.840	26	120	10	71	18	155	.61	.37	204	1	.39	27	30	.015	7.6	49	.31	2.2	>	35
69	L1069	4683.160	1459.550	17	182	15	84	16	139	1.15	.64	561	2	.16	39	23	.017	8.9	54	.47	2.4	2	59
70	L1070	4683.530	1459.770	6	167	8	77	16	115	1.09	.51	46	2	.12	26	29	.016	8.5	56	.48	2.4	3	39
71	L1071	4683.350	1459.280	1	85	3	57	6	74	.35	.20	25	1	.05	13	19	.012	5.2	38	.35	2.2	>	7
72	L1072	4683.800	1459.350	15	229	19	104	27	72	1.55	.93	484	1	.73	54	32	.016	7.4	83	.46	2.4	>	74
73	L1073	4684.080	1459.870	5	149	8	77	20	606	.77	.41	330	1	.12	23	41	.016	6.6	51	.46	2.4	>	38
74	L1074	4684.420	1459.280	5	143	18	79	11	189	.84	.54	626	1	.23	38	29	.015	3.5	54	.41	2.0	>	63
75	L1075	4684.800	1459.600	5	100	8	80	6	154	.39	.24	275	1	.07	40	20	.012	7.5	45	.33	2.0	>	12
76	L1076	4685.250	1459.720	5	125	10	61	10	157	.63	.33	62	1	.09	16	18	.016	5.6	49	.38	2.2	>	19
77	L1077	4679.900	1458.700	3	117	5	159	14	114	.65	.33	77	2	.14	41	34	.019	7.4	46	.46	2.6	>	26
78	L1078	4680.850	1458.780	13	135	8	91	20	122	.73	.37	92	2	.21	21	18	.020	6.4	53	.44	2.6	>	27
79	L1079	4679.850	1458.230	13	144	14	95	28	138	.97	.47	46	1	.29	41	32	.019	8.2	56	.46	2.6	>	44
80	L1080	4680.340	1458.420	13	118	8	101	20	631	.75	.47	46	1	.11	35	31	.017	5.1	45	.42	2.8	>	43
81	L1081	4680.650	1458.190	5	98	2	80	9	146	.45	.29	30	1	.09	19	19	.019	3.2	42	.45	2.2	>	37
82	L1082	4680.920	1458.400	11	153	11	95	24	205	1.02	.55	154	2	.28	34	32	.026	11.7	59	.47	2.8	>	49
83	L1083	4681.470	1458.750	4	114	6	76	12	63	.59	.36	64	2	.27	24	18	.017	6.7	48	.39	2.6	>	25
84	L1084	4681.700	1458.560	6	105	5	80	12	133	.60	.31	31	2	.13	18	22	.017	3.5	43	.42	2.6	>	11
85	L1085	4681.750	1458.210	6	127	10	92	19	132	.79	.46	93	2	.18	35	19	.014	8.5	48	.46	2.2	3	43
86	L1086	4681.700	1458.030	10	117	5	78	13	90	.56	.35	33	2	.13	21	18	.022	7.8	45	.42	2.4	3	16
87	L1087	4681.750	1458.920	15	121	12	74	12	167	.69	.42	213	1	.35	29	24	.015	5.0	49	.39	2.6	>	40
88	L1088	4681.450	1458.850	2	79	4	62	9	111	.33	.24	37	1	.18	17	20	.021	3.2	35	.31	2.2	>	10
89	L1089	4681.950	1458.380	12	107	6	71	12	88	.59	.36	136	2	.43	26	22	.023	10.3	53	.34	2.4	>	22
90	L1090	4682.420	1458.560	32	124	9	72	12	81	.49	.30	56	1	.22	23	21	.020	8.4	46	.32	2.4	>	38
91	L1091	4682.800	1458.180	11	193	11	89	15	101	1.38	.60	231	1	.22	26	21	.017	11.2	65	.48	2.4	3	43
92	L1092	4682.980	1458.700	9	87	9	48	6	150	.38	.19	566	1	.07	9	23	.015	7.0	37	.34	2.0	>	1
93	L1093	4683.100	1458.280	9	120	4	70	9	109	.69	.41	38	2	.10	14	28	.017	5.2	47	.39	2.4	2	5
94	L1094	4683.730	1458.850	1	138	2	70	13	139	.82	.41	113	1	.13	15	26	.024	5.9	54	.39	2.0	>	17
95	L1095	4683.800	1458.400	11	85	3	62	5	103	.35	.30	43	1	.11	15	16	.017	3.7	42	.39	2.4	>	11
96	L1096	4683.940	1458.750	7	117	6	87	8	108	.50	.39	52	1	.08	25	21	.019	9.3	46	.42	2.2	>	27
97	L1097	4684.240	1458.500	1	507	3	34	4	177	.14	.08	193	1	.03	9	16	.015	4.9	42	.29	1.6	>	22
98	L1098	4684.200	1458.280	1	159	9	64	10	88	.91	.44	107	1	.32	23	13	.014	4.3	57	.41	2.2	>	21
99	L1099	4684.680	1458.000	1	195	5	79	14	139	1.20	.45	98	1	.16	24	12	.020	6.3	62	.41	2.2	>	21
100	L1100	4684.900	1458.900	1	18	1	23	2	628	.06	.01	8	1	.02	5	4	.026	.7	23	.10	1.0	>	1

List of Geochemical Analysis ( 3)

Ser. No.	Sample No.	Location (km)	X-coord	Y-coord	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mb	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	ppm	ppm
101	LT101	4685.150	1457.350	2	1	96	1	62	82	3	318	.51	.26	19	1	.08	8	13	.014	6.5	60	.36	2.2	2	15	
102	LT102	4679.700	1457.550	9	1	127	9	79	81	18	188	.71	.34	68	1	.23	32	14	.017	6.2	42	.39	2.4	2	25	
103	LT103	4679.900	1457.080	1	3	148	24	81	19	19	111	1.02	.54	495	1	.75	41	16	.019	6.1	70	.39	2.4	2	45	
104	LT104	4680.150	1457.480	11	1	138	9	86	17	104	104	.85	.46	87	1	.38	35	15	.016	2.6	53	.42	2.4	2	36	
105	LT105	4680.290	1457.250	10	1	155	6	75	13	13	141	.71	.33	59	1	.34	20	12	.030	1.9	50	.37	2.2	2	17	
106	LT106	4680.600	1457.480	1	1	144	16	85	18	84	84	.92	.44	109	1	.35	37	14	.013	3.0	54	.41	2.6	2	35	
107	LT107	4680.710	1457.000	8	1	144	14	80	17	94	94	.98	.54	261	1	.85	41	14	.017	1.6	76	.36	2.4	2	35	
108	LT108	4681.120	1457.950	5	1	134	8	82	16	93	93	.86	.44	140	1	.42	35	15	.016	3.5	83	.43	2.2	2	33	
109	LT109	4681.030	1457.140	1	1	118	3	63	6	145	145	.28	.14	23	1	.12	19	10	.020	1.6	32	.28	2.2	2	17	
110	LT110	4681.170	1457.380	7	1	110	5	79	13	103	103	.72	.33	36	1	.12	18	10	.026	4.1	44	.42	2.6	2	17	
111	LT111	4681.600	1457.600	6	1	110	9	72	11	45	45	.53	.30	128	1	.39	27	10	.016	2.4	46	.30	2.2	2	16	
112	LT112	4682.080	1457.780	1	1	92	2	73	9	78	78	.48	.23	27	1	.06	13	9	.019	3.5	38	.39	2.4	2	3	
113	LT113	4681.900	1457.250	1	1	92	1	57	5	5	76	.35	.16	40	1	.13	11	11	.021	3.0	35	.37	2.0	2	1	
114	LT114	4682.250	1457.600	2	1	107	5	76	14	100	100	.69	.33	74	1	.09	27	23	.024	3.7	57	.42	2.4	2	36	
115	LT115	4682.350	1457.950	14	2	143	14	109	19	391	391	1.05	.56	174	1	.50	37	11	.026	6.5	39	.37	2.4	2	23	
116	LT116	4682.650	1457.400	46	2	123	9	75	17	87	87	.75	.34	121	1	.41	28	22	.021	4.9	49	.32	2.2	2	36	
117	LT117	4682.830	1457.650	17	2	144	7	88	18	109	109	.96	.50	104	1	.28	32	15	.030	8.3	49	.38	2.0	2	41	
118	LT118	4683.220	1457.800	34	6	137	12	81	18	252	252	.85	.42	303	1	.54	32	15	.020	4.1	59	.34	2.4	2	30	
119	LT119	4683.220	1457.350	1	1	150	4	83	15	15	144	1.07	.39	48	1	.11	21	16	.020	2.0	54	.46	2.8	2	21	
120	LT120	4683.750	1457.500	5	1	85	2	42	6	93	93	.44	.16	211	1	.09	10	10	.024	1.8	36	.31	2.0	2	1	
121	LT121	4683.880	1457.120	1	1	174	15	118	18	142	142	1.22	.58	220	1	.23	44	16	.017	7.4	54	.44	2.4	2	44	
122	LT122	4684.370	1457.700	1	1	115	1	66	6	92	92	.63	.27	27	1	.07	14	13	.023	5.5	45	.33	1.8	2	3	
123	LT123	4684.340	1457.200	1	1	94	2	68	5	322	322	.56	.25	16	1	.02	8	7	.017	1.0	37	.22	1.6	2	1	
124	LT124	4684.800	1457.570	4	1	29	8	30	3	528	528	.13	.08	23	1	.25	24	24	.019	6.6	53	.47	2.4	2	40	
125	LT125	4684.780	1457.440	2	1	170	16	77	16	128	128	1.23	.58	106	1	.21	42	21	.022	9.3	51	.52	2.8	2	58	
126	LT126	4684.700	1457.050	6	1	179	17	95	16	88	88	.26	.15	20	2	.21	42	13	.021	3.5	54	.37	2.4	2	15	
127	LT127	4685.350	1457.900	1	1	58	1	77	5	4	356	.31	.24	190	1	.08	13	8	.015	2.4	48	.32	2.2	2	1	
128	LT128	4685.190	1457.540	5	1	48	1	50	2	227	227	.21	.14	10	1	.04	5	8	.015	2.3	53	.25	2.0	2	1	
129	LT129	4685.680	1457.500	2	1	60	3	67	3	287	287	.26	.15	20	1	.04	13	14	.016	5.1	41	.37	2.4	2	25	
130	LT130	4679.800	1456.800	1	1	119	5	81	18	97	97	.71	.34	54	1	.10	25	10	.015	2.6	44	.37	2.4	2	107	
131	LT131	4680.700	1456.260	3	1	113	11	84	20	89	89	.58	.32	107	1	.13	31	15	.016	2.6	44	.37	2.4	2	25	
132	LT132	4680.050	1456.200	1	1	135	13	88	24	115	115	.86	.40	189	1	.18	41	17	.019	2.7	44	.41	2.2	2	67	
133	LT133	4680.460	1456.500	1	1	104	3	77	12	110	110	.56	.29	68	1	.26	24	10	.017	4.6	45	.39	2.0	2	30	
134	LT134	4681.050	1456.410	1	1	104	4	71	11	96	96	.43	.26	53	1	.12	21	11	.016	3.1	36	.35	2.2	2	19	
135	LT135	4681.450	1456.900	1	1	74	5	71	6	102	102	.29	.25	35	1	.21	17	11	.016	3.9	49	.45	2.4	2	21	
136	LT136	4681.420	1456.480	1	1	138	7	90	15	84	84	.88	.41	136	1	.21	24	12	.019	3.0	35	.42	2.4	2	30	
137	LT137	4681.710	1456.600	4	1	95	3	67	7	141	141	.36	.21	25	1	.08	16	11	.023	3.0	35	.42	2.4	2	30	
138	LT138	4681.710	1456.000	4	1	132	9	105	21	107	107	.96	.51	79	2	.21	33	11	.019	9.9	55	.51	2.2	2	49	
139	LT139	4681.950	1456.680	5	1	158	4	95	20	167	167	1.11	.50	60	1	.18	29	18	.021	4.9	54	.50	2.8	2	39	
140	LT140	4682.140	1456.260	1	1	141	7	93	17	219	219	.93	.49	75	2	.22	29	19	.021	3.9	54	.48	2.6	2	39	
141	LT141	4682.550	1456.950	6	1	198	19	95	15	63	63	1.16	.73	380	2	.60	43	19	.021	4.9	65	.47	2.0	2	58	
142	LT142	4682.550	1456.600	26	1	169	15	97	16	115	115	1.32	.77	270	1	.66	43	16	.019	5.2	65	.49	2.4	2	66	
143	LT143	4682.520	1456.000	64	3	119	6	70	15	79	79	.69	.31	150	1	.45	28	23	.016	6.1	52	.31	2.0	2	26	
144	LT144	4682.780	1456.350	15	1	99	4	66	9	108	108	.46	.23	48	1	.30	17	14	.015	4.4	41	.31	2.2	2	15	
145	LT145	4682.780	1456.350	44	3	121	8	64	15	72	72	.69	.30	112	1	.52	26	30	.012	5.5	52	.31	2.0	2	23	
146	LT146	4683.050	1456.670	47	3	122	8	69	17	103	103	.74	.32	101	1	.46	26	21	.019	2.9	49	.32	2.4	2	33	
147	LT147	4683.150	1456.880	4	1	113	4	57	6	212	212	.56	.28	33	1	.08	17	11	.014	3.5	37	.36	2.0	2	16	
148	LT148	4683.120	1456.160	69	5	141	7	73	22	91	91	1.00	.40	116	1	.39	23	34	.022	5.6	45	.47	2.2	2	53	
149	LT149	4683.380	1456.350	1	1	306	21	90	20	116	116	1.64	.89	1298	1	.47	48	19	.028	6.4	94	.38	2.4	2	70	
150	LT150	4683.500	1456.900	1	1	115	3	60	8	89	89	.57	.27	57	1	.10	17	13	.020	4.9	41	.38	2.4	2	19	

List of Geochemical Analysis ( 4)

Ser. 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
No.	X-coord	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
151	4683.400	2	1	166	9	86	17	109	1.05	.52	186	1	.17	32	24	.015	3.1	51	.42	2.4	2	47
152	4683.840	3	1	222	20	91	18	118	1.58	.77	801	1	.34	44	18	.022	5.5	64	.54	2.6	2	76
153	4684.080	3	1	177	8	112	15	133	1.17	.60	179	1	.24	46	18	.024	5.6	55	.49	2.4	2	48
154	4684.100	3	1	142	4	75	11	89	.97	.46	68	1	.13	21	15	.022	3.8	44	.40	2.4	2	38
155	4684.250	1	1	169	5	87	16	157	1.13	.52	160	1	.19	29	15	.017	6.5	50	.41	2.4	2	43
156	4684.520	3	1	196	15	93	17	102	1.47	.72	497	2	.30	35	20	.027	4.6	57	.48	2.4	2	51
157	4685.130	9	1	222	27	91	25	137	1.81	.82	509	1	.56	39	13	.023	2.5	74	.47	2.6	2	55
158	4685.150	1	1	161	6	86	14	102	1.19	.55	50	2	.21	29	17	.019	3.8	57	.45	2.6	2	46
159	4685.280	8	1	165	7	86	13	131	1.10	.55	50	2	.19	31	17	.019	4.8	50	.48	3.0	2	42
160	4685.680	1	1	96	2	63	6	257	.58	.26	22	1	.11	16	13	.016	3.1	77	.33	1.8	2	12
161	4685.880	10	1	83	3	48	6	130	.42	.23	184	1	.09	12	5	.017	1.7	45	.28	2.0	2	9
162	4679.930	1	1	135	10	89	18	86	1.07	.49	79	1	.50	41	6	.011	2.0	57	.39	2.8	2	35
163	4679.950	5	1	70	4	78	6	155	.22	.22	32	1	.08	19	5	.017	5	33	.33	2.2	2	20
164	4679.400	10	1	117	8	75	11	99	.54	.22	22	1	.27	29	15	.023	1.6	43	.36	2.0	2	28
165	4680.050	3	1	121	9	91	15	52	.76	.36	117	1	.12	30	7	.019	2	42	.44	2.4	2	30
166	4680.080	13	1	73	2	78	9	128	.93	.27	52	1	.12	28	6	.027	2	34	.35	2.4	2	18
167	4680.370	7	1	175	21	93	20	84	1.20	.65	487	1	.93	24	10	.022	4.1	88	.44	2.4	2	57
168	4680.780	13	1	137	11	82	14	79	.79	.46	155	1	.44	35	11	.019	2	56	.44	2.6	2	37
169	4680.920	2	1	88	4	82	9	109	.44	.32	54	1	.24	24	8	.017	4.7	49	.42	2.4	2	22
170	4681.220	3	1	110	7	77	12	78	.63	.38	109	1	.52	15	5	.021	1.4	54	.34	2.8	2	30
171	4681.550	18	2	71	1	81	9	115	.30	.24	45	1	.10	15	11	.019	2	36	.37	2.2	2	17
172	4681.980	237	10	116	7	76	25	143	.71	.30	24	1	.33	24	55	.017	4.7	44	.42	2.4	2	27
173	4681.750	11	1	109	6	81	13	88	.68	.34	68	1	.31	24	12	.025	2.6	30	.32	2.2	2	33
174	4682.040	41	1	71	1	64	8	105	.24	.15	32	1	.06	11	16	.019	2.6	48	.31	2.4	2	13
175	4682.080	30	2	111	7	74	13	77	.60	.26	222	1	.40	27	13	.017	4.8	32	.42	2.4	2	24
176	4682.020	17	2	73	1	66	8	69	.30	.17	37	1	.07	12	8	.021	4.9	32	.36	2.4	2	5
177	4682.330	10	1	106	4	79	13	130	.55	.31	76	1	.20	19	10	.024	4.5	45	.40	2.2	2	30
178	4682.770	19	2	168	16	99	15	66	1.19	.69	357	1	.38	43	16	.026	2.7	47	.45	2.6	2	62
179	4682.720	36	4	116	8	74	15	74	.53	.28	98	2	.40	26	16	.026	2.7	47	.45	2.6	2	37
180	4683.040	25	3	120	3	73	8	77	.60	.31	43	1	.08	18	22	.014	2.6	40	.50	2.6	2	25
181	4683.240	61	0	129	7	92	20	88	.69	.37	80	1	.21	31	45	.021	1.2	47	.42	2.6	2	111
182	4683.420	17	3	137	3	88	14	115	.83	.44	44	1	.12	21	13	.017	1.2	47	.52	2.8	2	72
183	4683.570	51	4	119	5	84	15	182	.61	.40	75	1	.17	23	32	.024	4.1	41	.46	2.6	2	66
184	4683.950	16	2	119	3	78	9	306	.62	.35	47	1	.10	21	15	.013	1.9	50	.51	2.8	2	58
185	4684.000	10	1	138	3	82	9	102	.70	.40	35	1	.10	16	14	.025	6.0	59	.51	2.8	2	66
186	4684.950	9	1	164	10	93	15	63	1.09	.58	110	2	.20	37	15	.014	1.9	50	.51	2.8	2	58
187	4684.730	3	1	151	8	86	13	89	.85	.48	52	1	.13	24	20	.018	2.4	50	.49	2.6	2	80
188	4685.400	5	1	84	1	67	3	89	.41	.26	15	2	.05	11	13	.014	3	47	.39	2.0	2	43
189	4685.490	4	1	149	2	101	13	95	.96	.47	42	1	.13	24	16	.019	3	47	.39	2.0	2	43
190	4679.430	6	1	103	5	99	12	120	.54	.33	24	2	.10	24	19	.012	2	57	.46	2.4	2	67
191	4679.430	3	1	80	2	93	10	83	.36	.28	29	1	.09	18	16	.016	2	36	.41	2.4	2	57
192	4679.880	7	1	80	2	91	7	124	.32	.26	31	1	.08	16	11	.020	2	36	.41	2.4	2	68
193	4679.910	6	1	103	4	106	11	133	.49	.35	30	1	.10	20	16	.017	5	43	.47	2.4	2	54
194	4680.300	8	1	95	4	90	9	58	.35	.31	40	1	.07	27	8	.013	3	37	.43	2.4	2	74
195	4680.410	10	1	97	6	84	9	149	.37	.29	51	1	.15	25	11	.022	1.3	39	.39	2.2	2	70
196	4680.220	14	1	113	4	104	15	167	.55	.37	28	1	.13	23	14	.015	1.6	47	.47	2.4	2	61
197	4680.620	1	1	94	5	96	8	183	.39	.24	41	1	.10	24	9	.018	6	36	.37	2.0	2	58
198	4680.550	8	1	116	9	87	15	152	.63	.31	256	1	.26	27	15	.016	2	54	.40	2.6	2	67
199	4680.830	14	1	127	5	93	17	110	.78	.37	71	1	.22	20	13	.022	1.4	52	.46	2.2	2	64
200	4680.870	5	1	85	1	75	8	124	.37	.19	49	1	.05	15	16	.016	1.4	34	.37	2.4	2	55

List of Geochemical Analysis ( 5)

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	%	U	W	Zn	
					ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
201	L1201	4681.070	1454.380	10	>	155	15	92	22	22	374	.91	.31	173	>	.53	31	19	.023	1.1	112	.43	2.6	>	83	
202	L1202	4681.350	1454.830	5	1	64	3	71	5	4	112	.24	.15	31	1	.07	13	9	.014	>	28	.31	2.8	>	39	
203	L1203	4681.550	1454.600	5	1	435	15	50	4	77	135	.46	.21	602	2	1.43	28	20	.018	1.0	169	.36	2.8	>	79	
204	L1204	4681.470	1454.200	28	2	107	7	115	10	19	90	.71	.29	19	1	.21	31	11	.013	5.8	58	.41	2.6	>	71	
205	L1205	4682.300	1454.850	16	4	146	3	151	19	10	190	.81	.27	50	1	.16	41	15	.017	1.5	36	.45	2.6	>	57	
206	L1206	4682.030	1454.570	9	1	160	3	197	19	10	97	.62	.29	38	1	.18	37	8	.020	2.3	37	.43	2.6	>	48	
207	L1207	4682.420	1454.380	8	5	123	7	178	19	19	122	.40	.27	25	1	.13	123	18	.026	4.9	41	.44	2.6	>	66	
208	L1208	4682.650	1454.960	60	37	78	1	242	17	8	74	.42	.07	26	1	.05	72	48	.019	4.9	16	.34	2.6	>	44	
209	L1209	4682.750	1454.620	32	30	77	2	159	8	8	68	.18	.86	317	2	.59	74	27	.022	6.8	47	.49	2.4	>	108	
210	L1210	4682.900	1454.280	14	1	205	14	149	24	24	203	.16	.06	20	1	.05	44	49	.021	7.5	11	.37	2.8	4	38	
211	L1211	4683.100	1454.850	47	42	39	1	128	22	15	105	.17	.63	136	1	.38	43	26	.025	4.8	61	.50	2.4	>	92	
212	L1212	4683.420	1454.750	13	2	174	8	166	23	23	82	.98	.53	127	1	.30	58	20	.026	1.9	32	.42	2.8	>	89	
213	L1213	4683.300	1454.420	33	8	154	11	186	23	39	160	.81	.27	181	1	.19	112	92	.032	3.1	36	.52	3.6	>	172	
214	L1214	4683.270	1454.100	58	6	140	8	184	48	48	137	.89	.26	135	1	.19	71	81	.024	6.5	42	.57	5.0	2	134	
215	L1215	4683.550	1454.300	69	8	179	7	184	48	16	99	.15	.53	431	1	.44	72	49	.021	4.3	52	.38	2.4	>	74	
216	L1216	4683.800	1454.950	90	8	167	13	242	38	42	118	1.23	.39	418	1	.51	110	40	.029	4.3	52	.42	2.6	>	95	
217	L1217	4683.800	1454.680	93	21	177	15	249	42	16	89	.62	.25	50	1	.10	45	36	.014	2	52	.45	3.0	>	33	
218	L1218	4684.000	1454.880	54	9	118	4	140	16	13	127	.98	.33	387	1	.48	43	18	.021	1.1	71	.37	2.2	>	43	
219	L1219	4684.180	1454.320	1	>	152	5	121	13	13	183	1.15	.84	61	1	.24	44	15	.021	2	95	.39	2.2	>	26	
220	L1220	4684.320	1454.050	1	>	119	7	202	27	27	116	.71	.30	36	2	.12	55	17	.018	3.5	57	.51	2.4	>	22	
221	L1221	4684.550	1454.580	12	1	120	90	7092	153	153	128	.68	.31	331	2	.15	3510	131	.976	182.5	53	.54	2.6	>	271	
222	L1222	4685.100	1454.400	81	1	120	7	205	15	15	87	.70	.31	96	1	.09	63	12	.019	2.1	43	.37	2.4	>	27	
223	L1223	4685.450	1454.700	7	1	121	5	216	18	18	116	.54	.25	32	1	.07	57	9	.017	3.6	35	.38	2.4	>	15	
224	L1224	4679.500	1453.850	6	1	109	15	176	17	17	98	1.23	.46	285	1	.31	67	15	.026	1.3	49	.48	2.2	3	41	
225	L1225	4679.820	1453.220	6	1	162	15	176	19	19	171	.70	.27	110	1	.33	47	18	.021	1.8	64	.38	2.6	>	30	
226	L1226	4679.920	1453.580	2	1	115	7	139	19	18	179	.96	.32	117	1	.52	43	10	.017	1.2	60	.39	2.4	>	21	
227	L1227	4680.150	1453.860	4	1	130	6	113	19	19	255	.76	.29	117	2	.33	39	12	.022	2	74	.39	2.4	>	26	
228	L1228	4680.420	1453.800	4	1	125	11	119	18	18	179	.96	.32	117	1	.44	35	10	.019	4.7	76	.39	2.2	>	21	
229	L1229	4680.480	1453.370	1	>	129	8	111	16	16	242	1.06	.30	68	1	.21	46	16	.024	7.2	109	.38	2.4	>	45	
230	L1230	4680.820	1453.700	1	>	206	17	100	27	27	198	1.24	.40	722	1	.61	46	16	.024	7.2	124	.41	2.4	>	21	
231	L1231	4681.120	1453.950	401	1	153	5	93	17	17	610	1.13	.17	51	2	.21	24	12	.016	5.1	124	.41	2.4	>	21	
232	L1232	4681.050	1453.580	5	1	149	15	89	21	21	174	1.23	.34	234	1	.46	36	17	.018	5.1	57	.40	2.6	>	36	
233	L1233	4681.260	1453.270	93	11	144	8	93	22	22	171	1.00	.26	253	1	.13	17	8	.014	7.2	36	.39	2.6	>	16	
234	L1234	4681.520	1453.770	10	1	144	5	90	14	14	104	.84	.26	46	1	.18	24	8	.019	4.3	66	.41	2.2	>	14	
235	L1235	4681.770	1453.950	120	12	114	4	87	16	16	167	.66	.28	39	1	.18	14	55	.016	5.8	27	.43	2.4	4	13	
236	L1236	4681.680	1453.420	115	18	162	14	83	18	214	214	.98	.28	432	1	.31	23	39	.026	3.8	47	.39	2.4	4	34	
237	L1237	4681.980	1453.340	330	25	188	24	100	34	34	179	1.17	.29	344	2	.25	26	186	.028	5.4	30	.40	2.6	>	47	
238	L1238	4682.170	1453.630	321	43	218	18	71	25	25	337	1.17	.27	522	1	.35	21	115	.028	6.2	60	.40	2.4	>	52	
239	L1239	4682.200	1453.400	81	14	241	1	105	33	33	90	1.56	.23	52	1	.19	15	47	.018	2.1	38	.46	2.8	>	27	
240	L1240	4682.400	1453.970	7	1	136	4	89	14	14	121	.79	.24	92	1	.21	15	12	.019	6.5	34	.45	3.0	1	1	
241	L1241	4682.450	1453.570	176	35	106	2	85	13	13	201	.82	.17	33	1	.08	7	124	.014	3.4	37	.42	2.2	4	3	
242	L1242	4682.720	1453.960	29	1	109	1	74	11	11	91	.64	.13	33	2	.13	12	14	.016	3.4	37	.42	2.2	4	3	
243	L1243	4682.700	1453.500	29	5	165	13	108	17	17	179	1.26	.19	31	2	.15	8	77	.024	3.8	29	.48	2.6	>	10	
244	L1244	4683.170	1453.700	1	1	115	4	90	17	105	110	1.13	.60	231	1	.30	49	15	.020	2.3	57	.60	2.6	>	69	
245	L1245	4683.100	1453.390	8	1	160	3	93	23	23	105	1.05	.23	39	2	.17	16	22	.016	5.7	28	.47	2.6	>	9	
246	L1246	4683.320	1453.300	15	1	188	3	93	23	105	165	1.31	.53	1151	2	.37	48	33	.020	2.0	58	.49	2.8	2	19	
247	L1247	4683.640	1453.800	69	1	238	22	85	32	32	165	1.31	.33	275	2	.16	26	127	.025	6.9	34	.52	2.6	>	77	
248	L1248	4683.650	1453.320	158	25	170	9	75	43	43	232	.85	.22	275	1	.37	48	33	.020	2.0	58	.47	2.6	>	141	
249	L1249	4683.820	1453.970	1	2	233	21	106	33	33	65	1.62	.90	483	1	.55	50	33	.011	2.7	68	.51	3.0	4	98	
250	L1250	4683.920	1453.350	124	9	184	12	73	50	50	135	1.08	.25	289	2	.21	31	118	.021	6.2	41	.49	4.6	4	121	

List of Geochemical Analysis ( 6)

Ser. No.	Sample No.	Location (km)		As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
		X-coord	Y-coord																					
251	LT251	4684.450	1453.720	7	1	134	5	78	12	138	.85	.40	27	1	.12	19	16	.021	3.9	48	.44	2.4	2	22
252	LT252	4684.700	1453.550	7	1	131	4	74	10	117	.78	.36	40	2	.19	17	16	.018	3.0	48	.43	2.4	2	14
253	LT253	4684.900	1454.000	4	1	98	5	57	5	113	.39	.24	26	1	.07	14	13	.019	3.8	41	.40	2.4	3	7
254	LT254	4685.200	1453.950	1	1	127	9	80	24	126	.65	.42	79	1	.12	30	14	.016	4.2	45	.46	2.0	2	29
255	LT255	4685.300	1453.600	1	1	98	3	100	11	117	.45	.21	24	1	.12	13	12	.017	2.1	58	.52	2.0	2	3
256	LT256	4685.750	1453.500	1	1	116	2	95	12	109	.39	.20	20	2	.11	18	13	.017	2.4	55	.48	2.2	2	9
257	LT257	4680.080	1453.200	1	1	65	1	53	3	207	.10	.06	10	1	.04	6	4	.014	2	51	.29	2.4	2	1
258	LT258	4680.300	1452.880	9	1	80	3	71	10	114	.32	.17	30	1	.12	17	18	.020	3.5	28	.26	2.2	2	20
259	LT259	4680.390	1452.980	3	1	100	9	83	9	195	.49	.24	30	1	.29	22	15	.013	3.2	45	.37	2.4	2	13
260	LT260	4680.630	1452.950	6	2	138	14	90	19	130	.77	.43	154	1	.36	36	15	.021	1.0	51	.40	2.6	2	35
261	LT261	4681.230	1452.650	105	15	93	1	83	7	126	.54	.20	26	1	.10	11	21	.015	3.5	16	.37	2.4	2	5
262	LT262	4681.030	1452.950	89	14	204	14	90	24	161	.61	.21	20	1	.08	12	13	.015	10.1	18	.40	2.6	2	3
263	LT263	4681.400	1452.800	126	39	144	9	79	12	130	.82	.23	286	1	.12	19	45	.029	5.3	22	.41	2.8	2	31
264	LT264	4681.680	1453.000	4	4	129	3	87	9	101	.36	.16	24	1	.09	17	19	.020	6.7	15	.34	2.4	2	20
265	LT265	4681.400	1452.580	28	4	129	3	85	9	125	.63	.20	41	1	.10	15	13	.021	8.9	25	.42	2.4	2	74
266	LT266	4681.510	1452.580	97	36	215	1	108	17	153	1.47	.30	64	2	.09	7	330	.024	2.3	46	.43	2.6	7	1
267	LT267	4681.970	1452.850	233	16	106	1	105	11	589	.58	.07	14	1	.07	6	57	.018	9.2	19	.35	2.6	10	1
268	LT268	4682.000	1452.500	107	16	211	2	107	43	225	1.24	.23	39	2	.11	9	32	.034	3.3	29	.38	2.6	7	1
269	LT269	4682.210	1452.850	9	1	210	4	65	8	294	.73	.24	91	1	.12	18	26	.013	2	107	.43	2.4	2	14
270	LT270	4682.470	1452.700	188	12	152	1	101	43	149	1.22	.24	31	1	.10	8	51	.018	4.8	22	.35	2.6	26	1
271	LT271	4682.430	1453.020	164	2	167	1	92	19	102	.92	.19	24	1	.06	10	70	.008	2.5	24	.29	2.4	2	14
272	LT272	4682.740	1452.650	79	12	39	3	97	10	238	.13	.03	9	1	.02	11	19	.015	3.6	17	.36	2.8	2	1
273	LT273	4682.920	1452.950	142	7	56	1	67	9	230	.32	.08	14	1	.03	6	46	.021	2.0	12	.39	2.6	2	1
274	LT274	4683.700	1453.000	57	7	176	12	82	49	216	.78	.23	227	2	.12	29	145	.024	6.8	42	.56	5.4	145	1
275	LT275	4684.100	1452.660	1	1	151	4	72	13	84	.77	.34	72	1	.15	22	14	.014	2	58	.45	2.8	2	22
276	LT276	4684.920	1452.990	1	1	203	18	79	23	98	1.15	.55	307	1	.46	31	26	.016	3.0	108	.41	2.8	2	52
277	LT277	4684.920	1452.990	9	1	168	7	70	14	75	.81	.36	121	2	.21	26	19	.012	4.3	66	.39	2.4	2	58
278	LT278	4685.480	1452.970	17	1	129	11	69	14	130	.49	.21	184	1	.16	28	21	.015	1.5	63	.38	3.0	2	35
279	LT279	4685.250	1452.520	94	13	130	1	81	16	188	.77	.17	24	1	.06	4	61	.013	1.4	29	.30	2.2	5	1

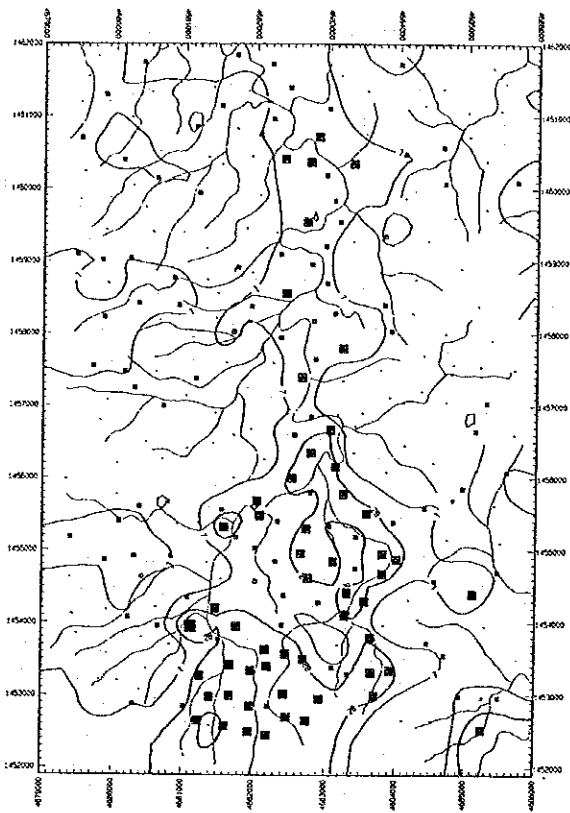
Appendix 36

Distribution map of elements in Area T

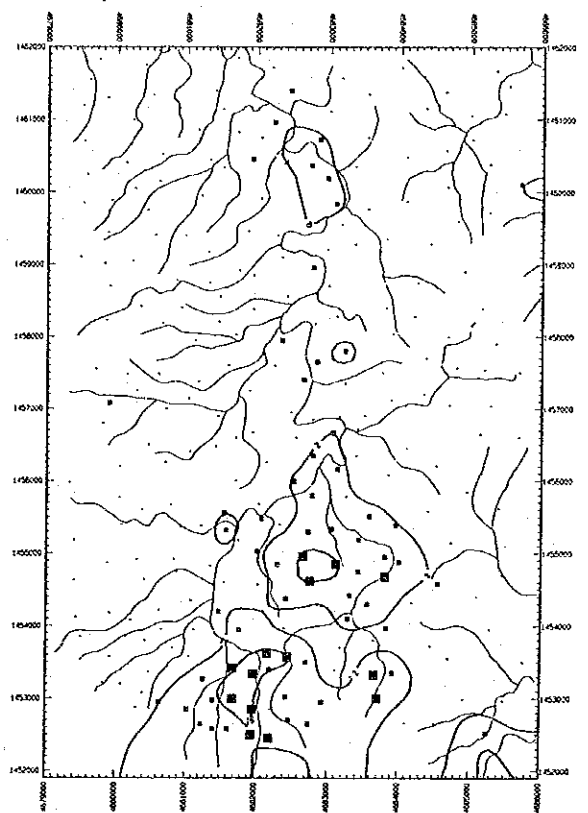
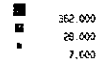




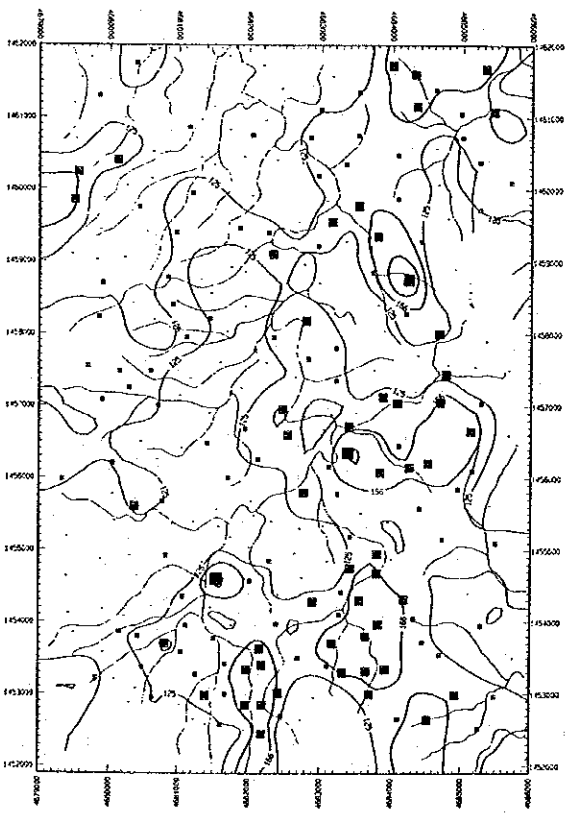
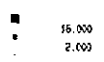
Soil



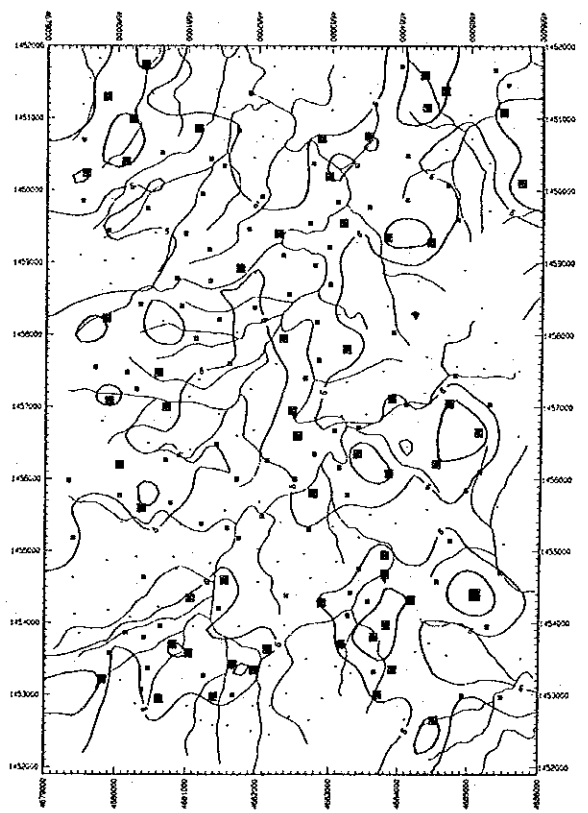
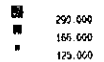
As



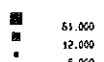
Au



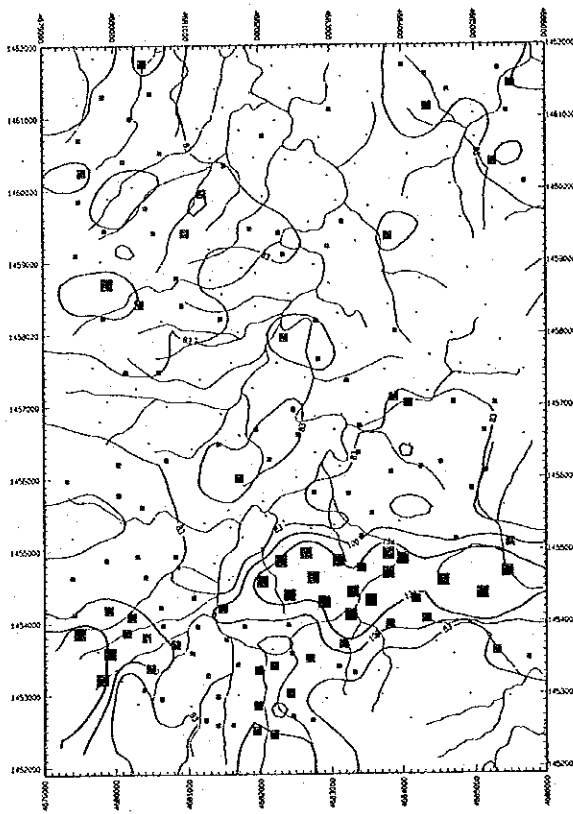
Ba



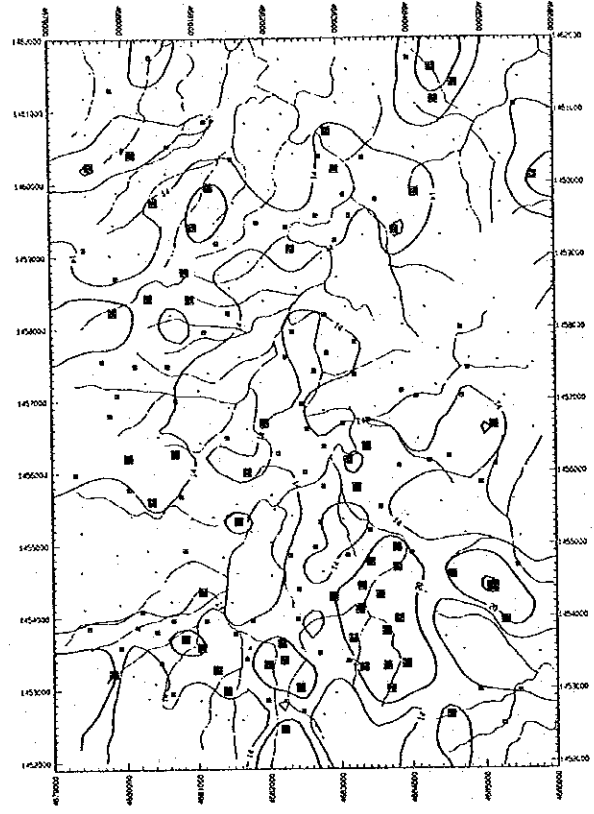
Co



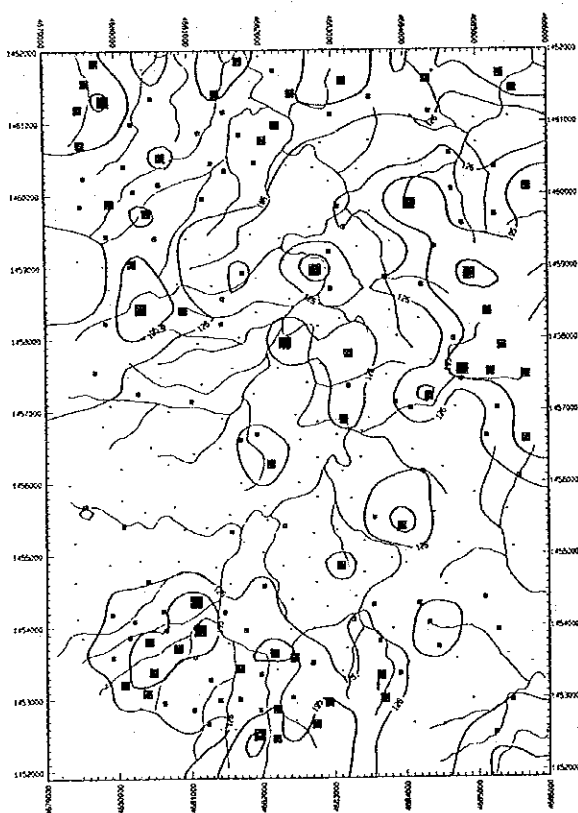
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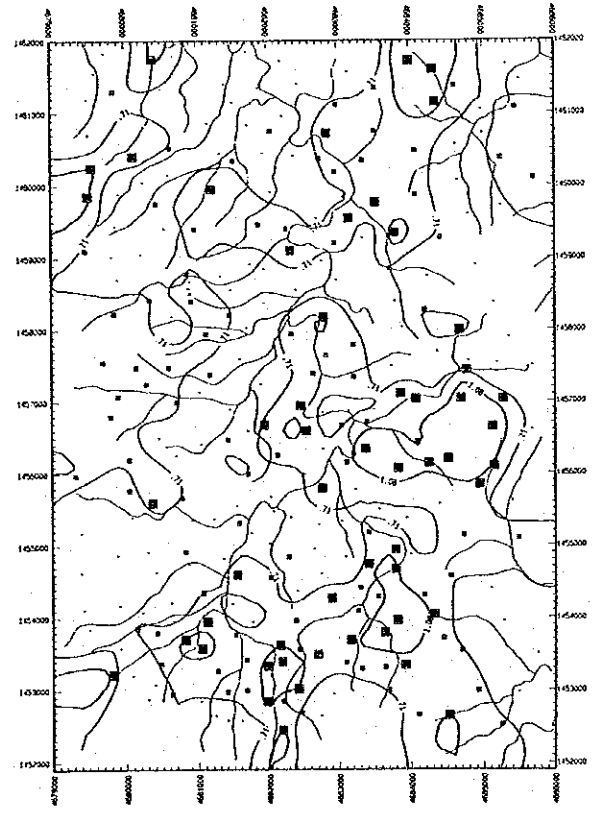
**Cr**    ■ 134,000  
          ■ 100,000  
          ■ 83,000



**Cu**    ■ 51,000  
          ■ 20,000  
          ■ 14,000

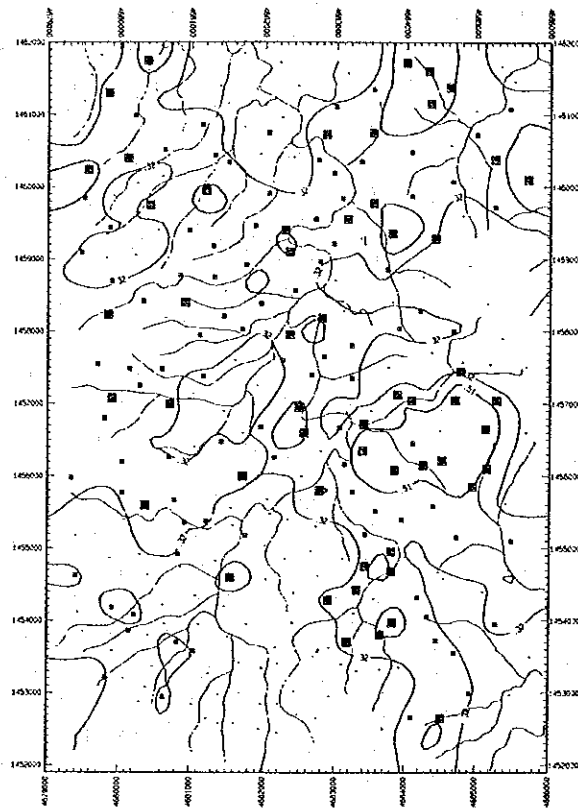


**Hg**    ■ 371,000  
          ■ 195,000  
          ■ 125,000

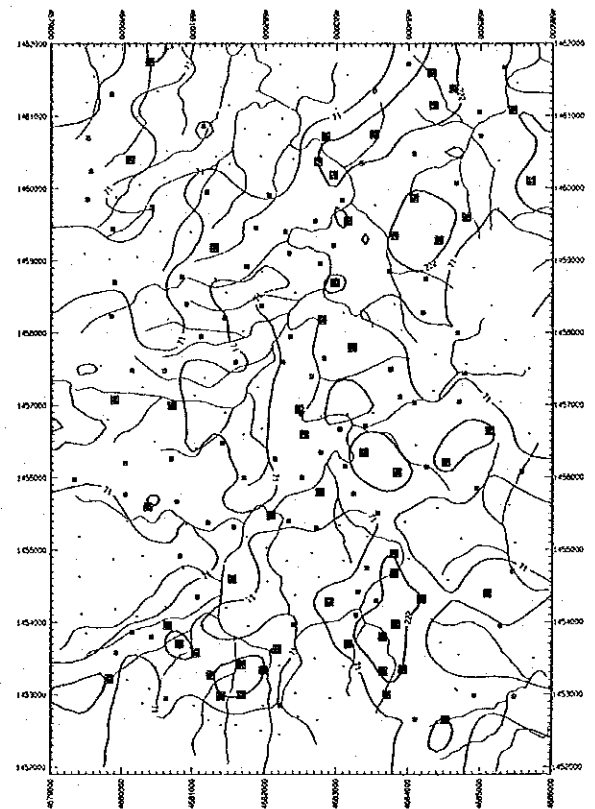


**K**    ■ 1,060  
          ■ 710

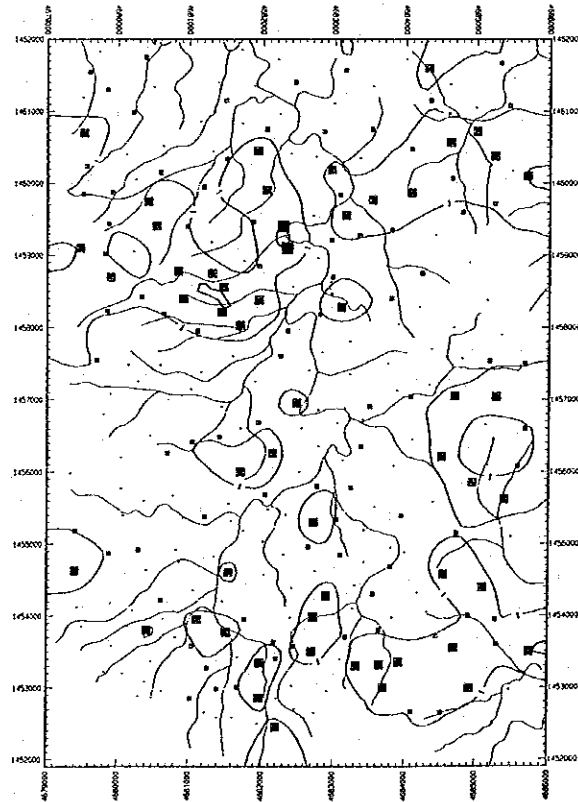
Soil



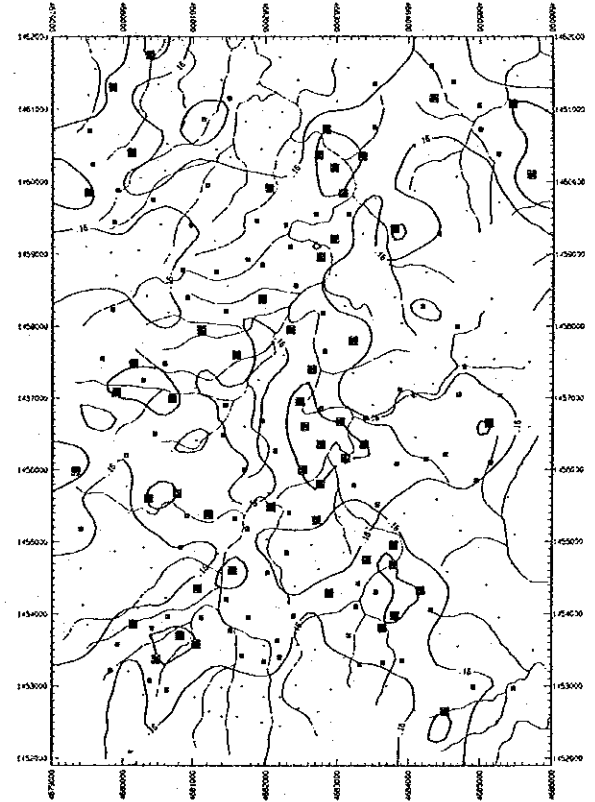
Mg 510  
320



Mn 222.000  
71.000

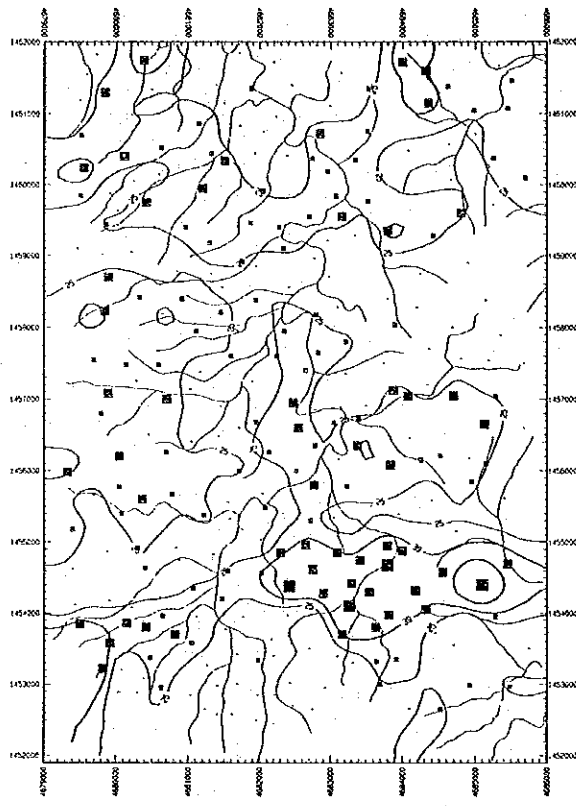


Mo 2.800  
2.000  
1.000



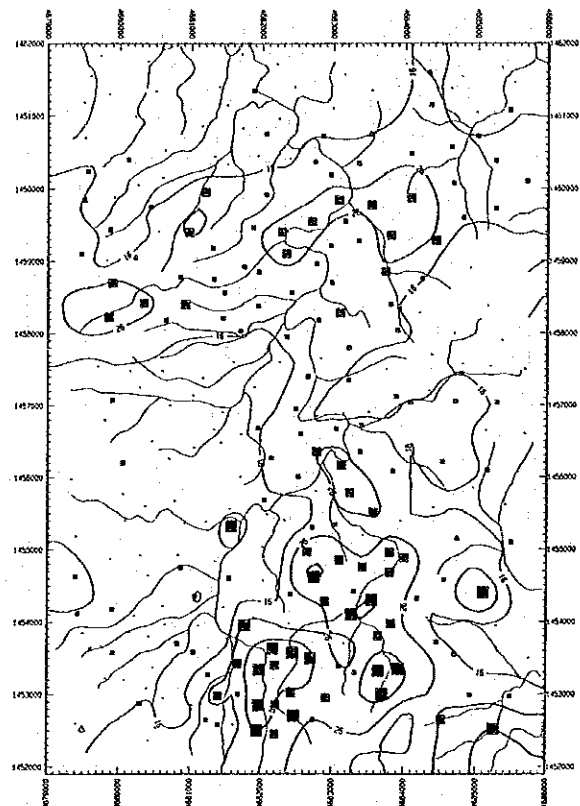
Na .310  
.163

Soil



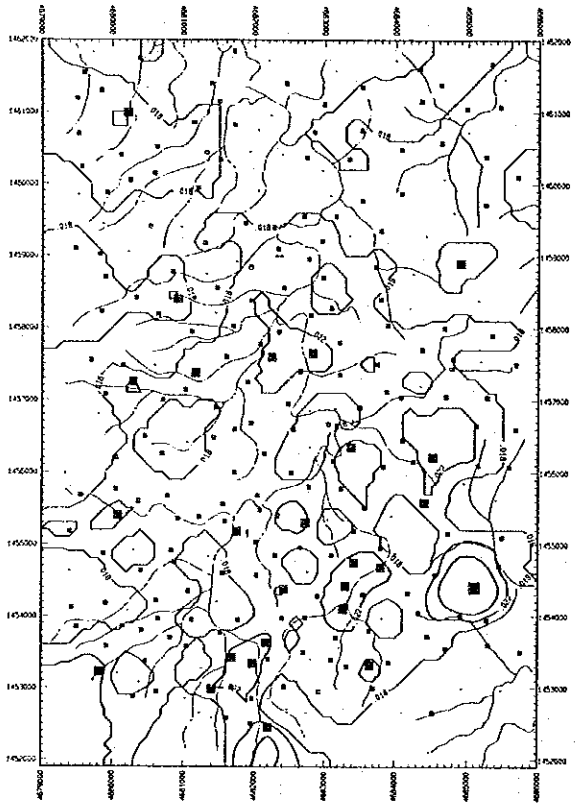
Ni

■	103.000
■	39.000
■	25.000



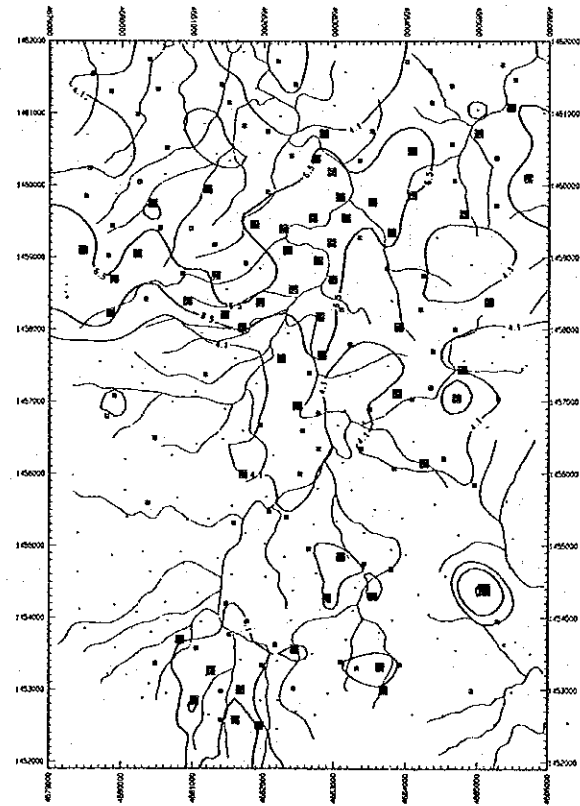
Pb

■	55.000
■	26.000
■	15.000



S

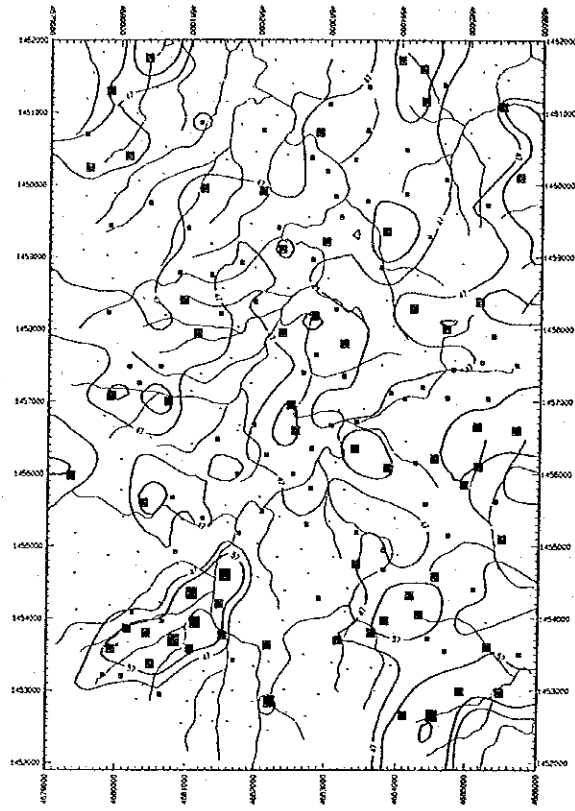
■	0.32
■	0.22
■	0.15



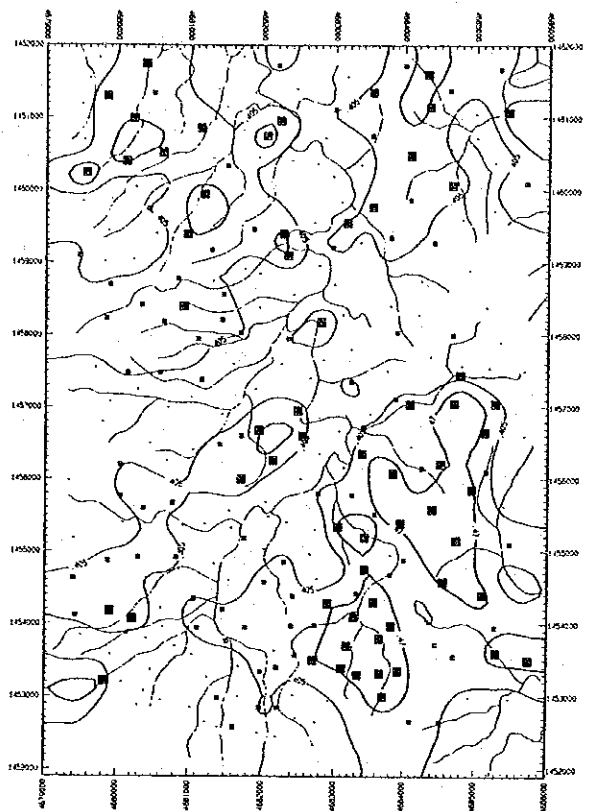
Sb

■	25.300
■	5.500
■	4.100

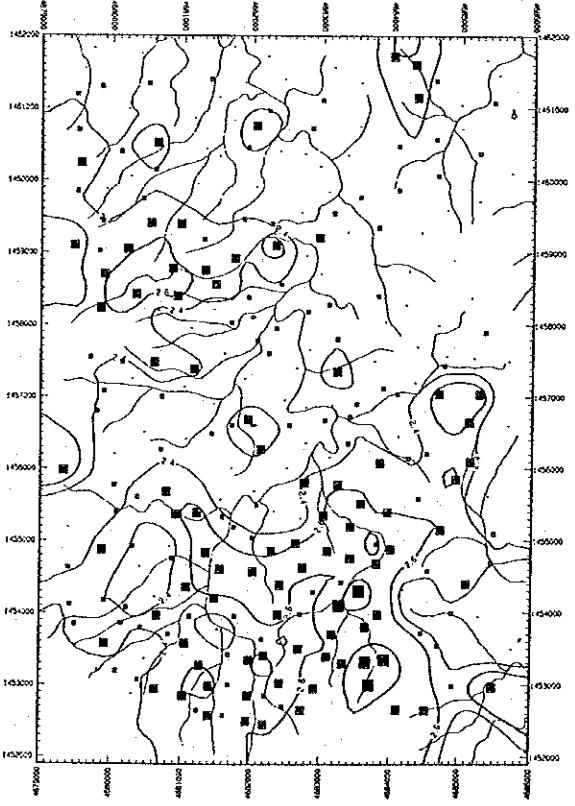
Soil



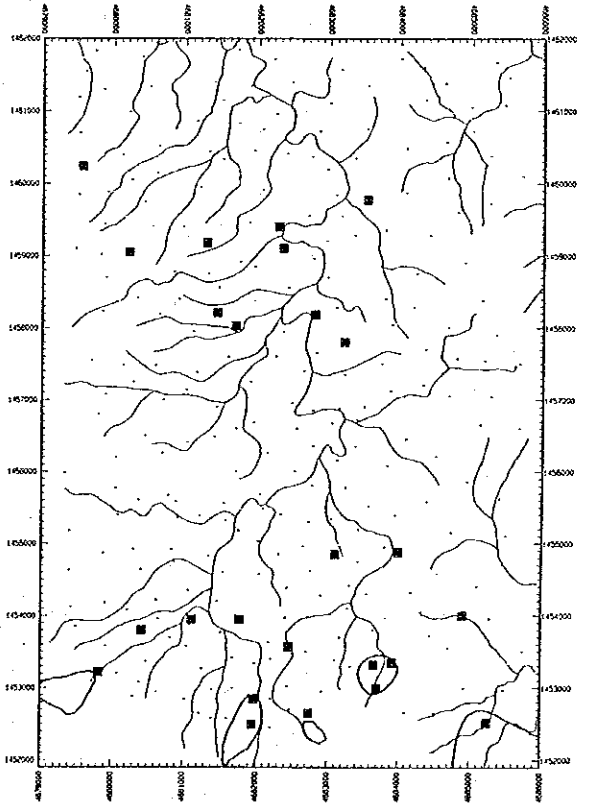
**Sr** ■ 109.053  
■ 57.009  
■ 47.052



**Ti** ■ .664  
■ .470  
■ .435

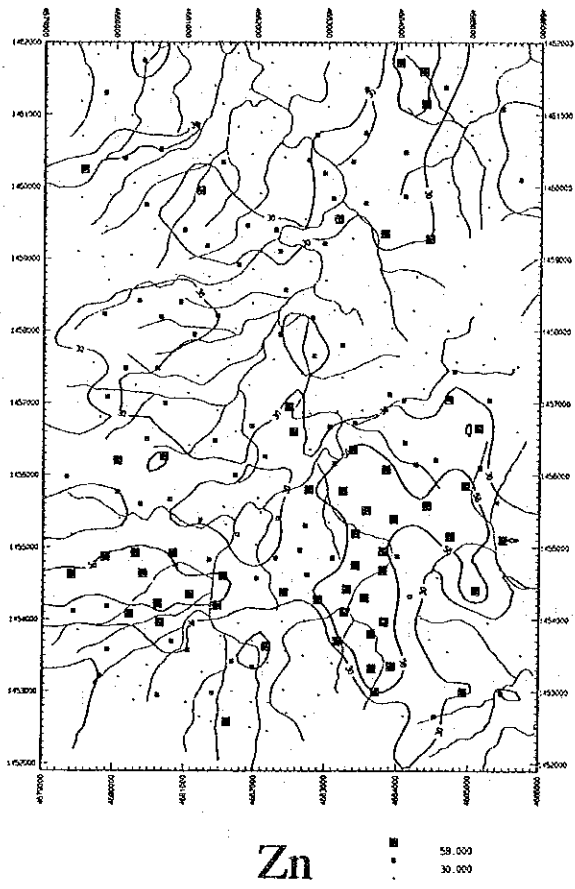


**U** ■ 3.340  
■ 2.630  
■ 2.460



**W** ■ 2.642  
■

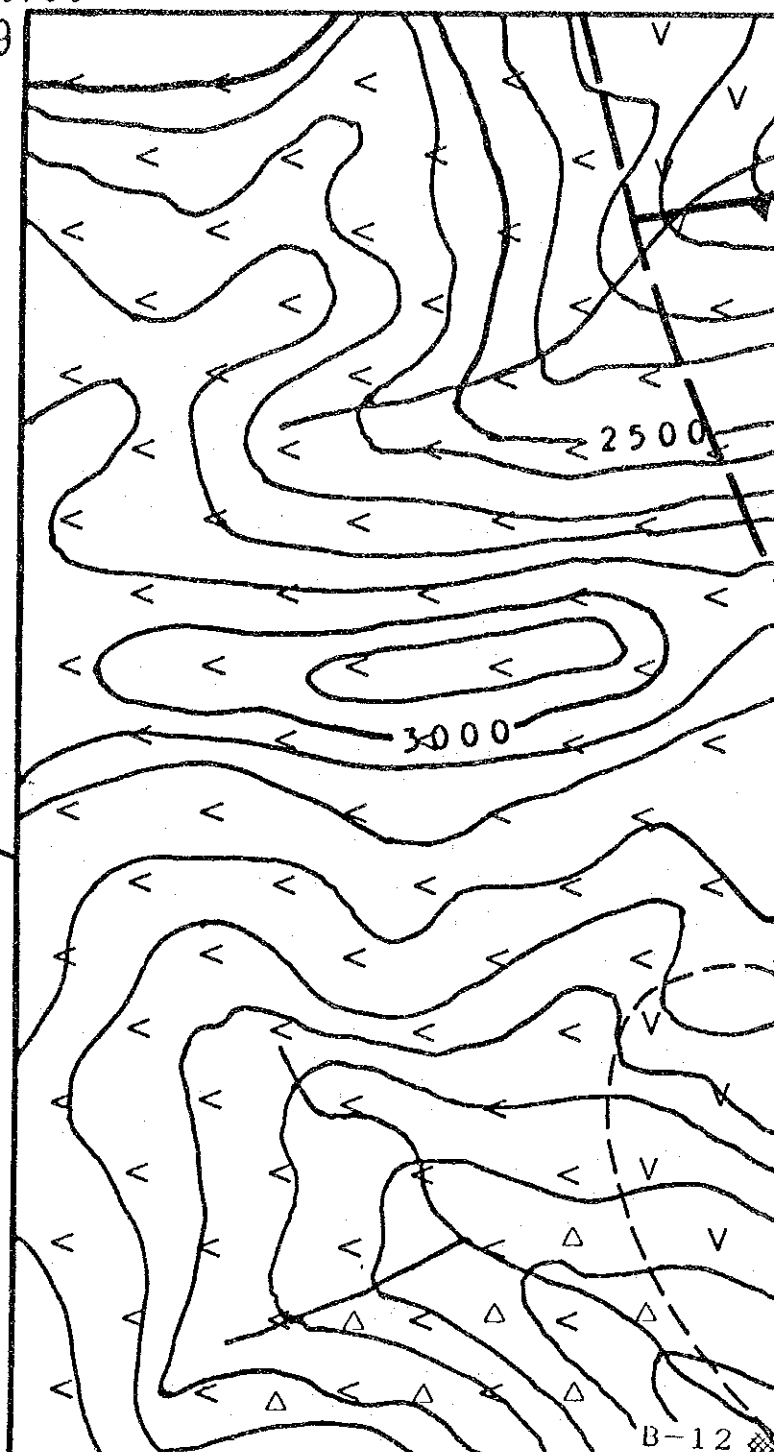
Soil



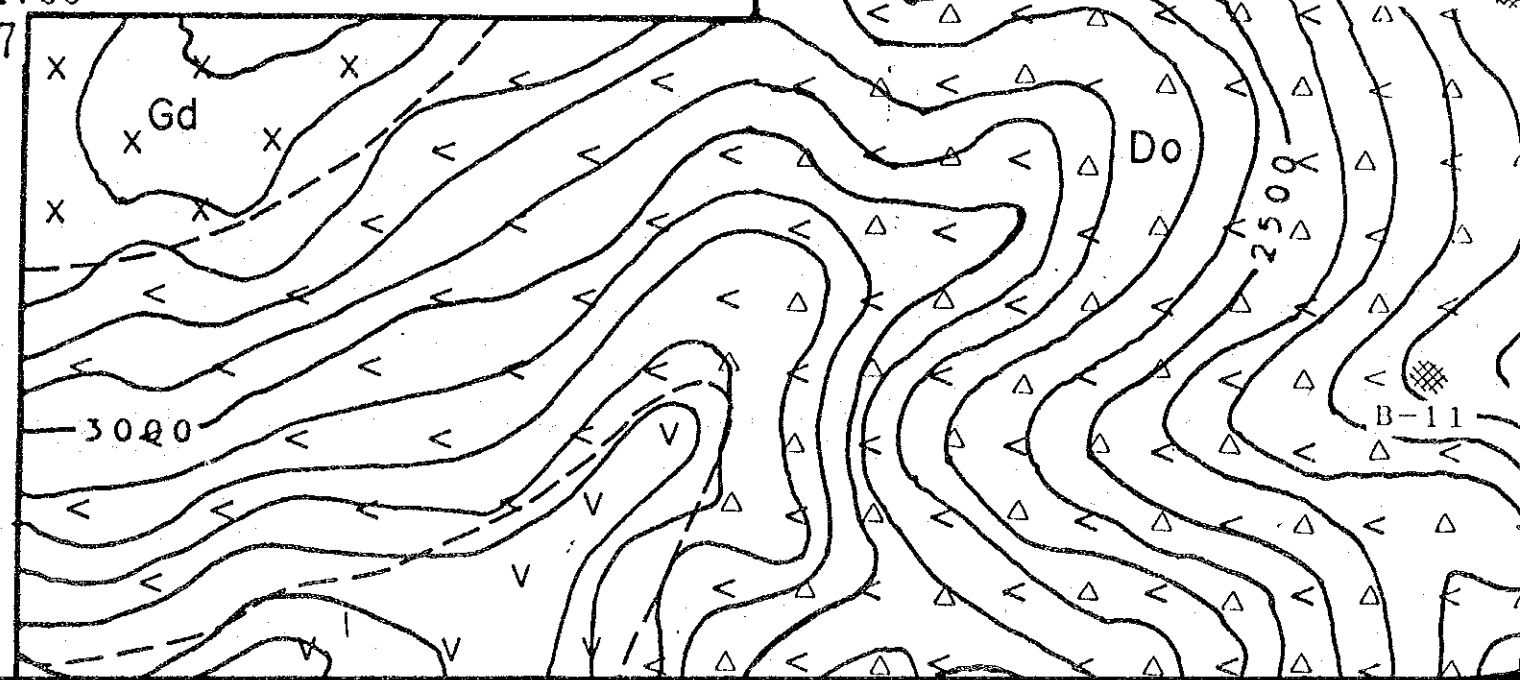




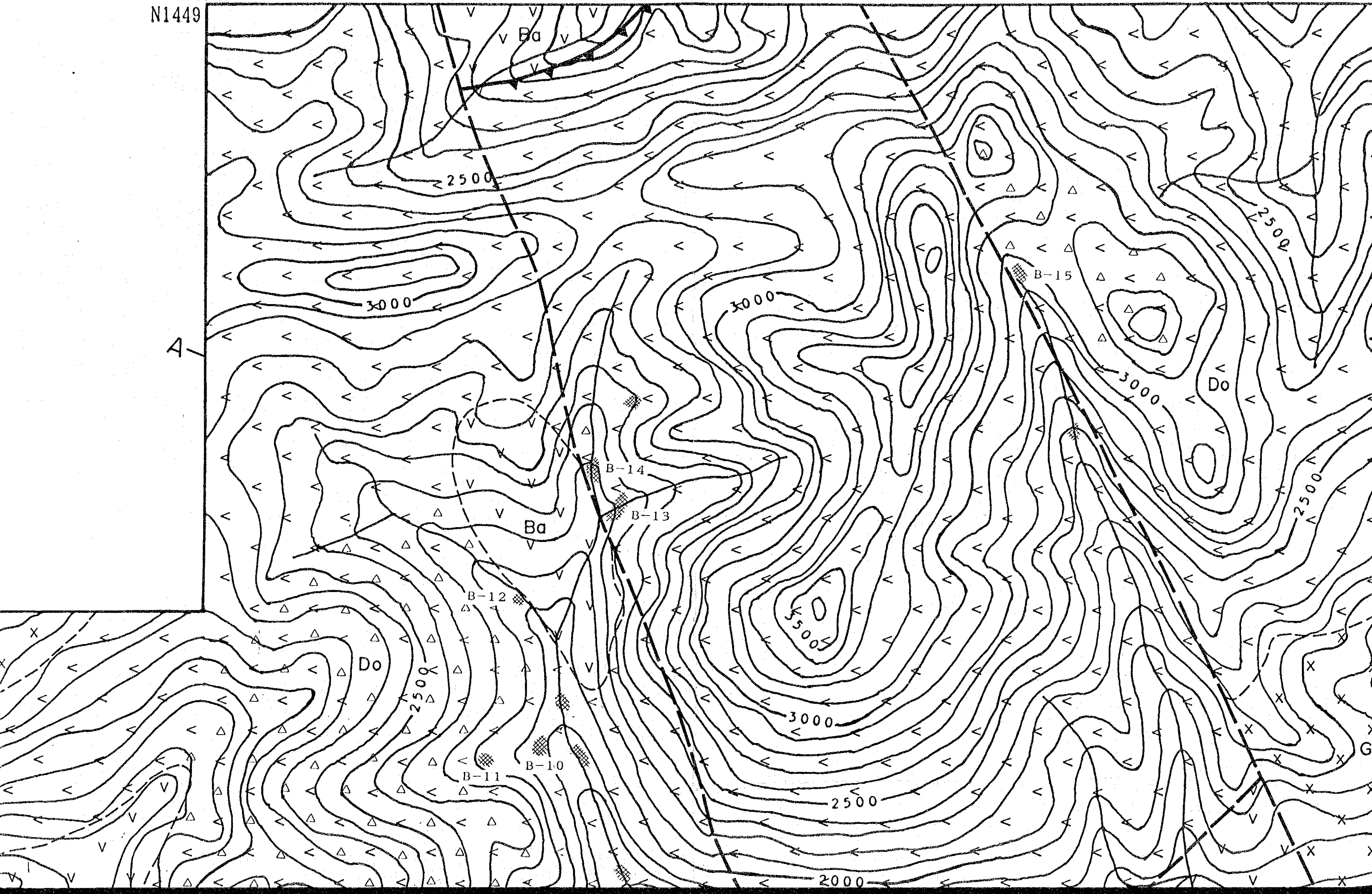
E4736  
N1449

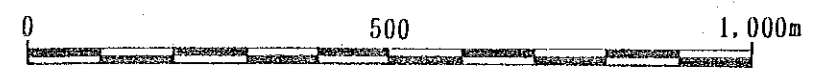
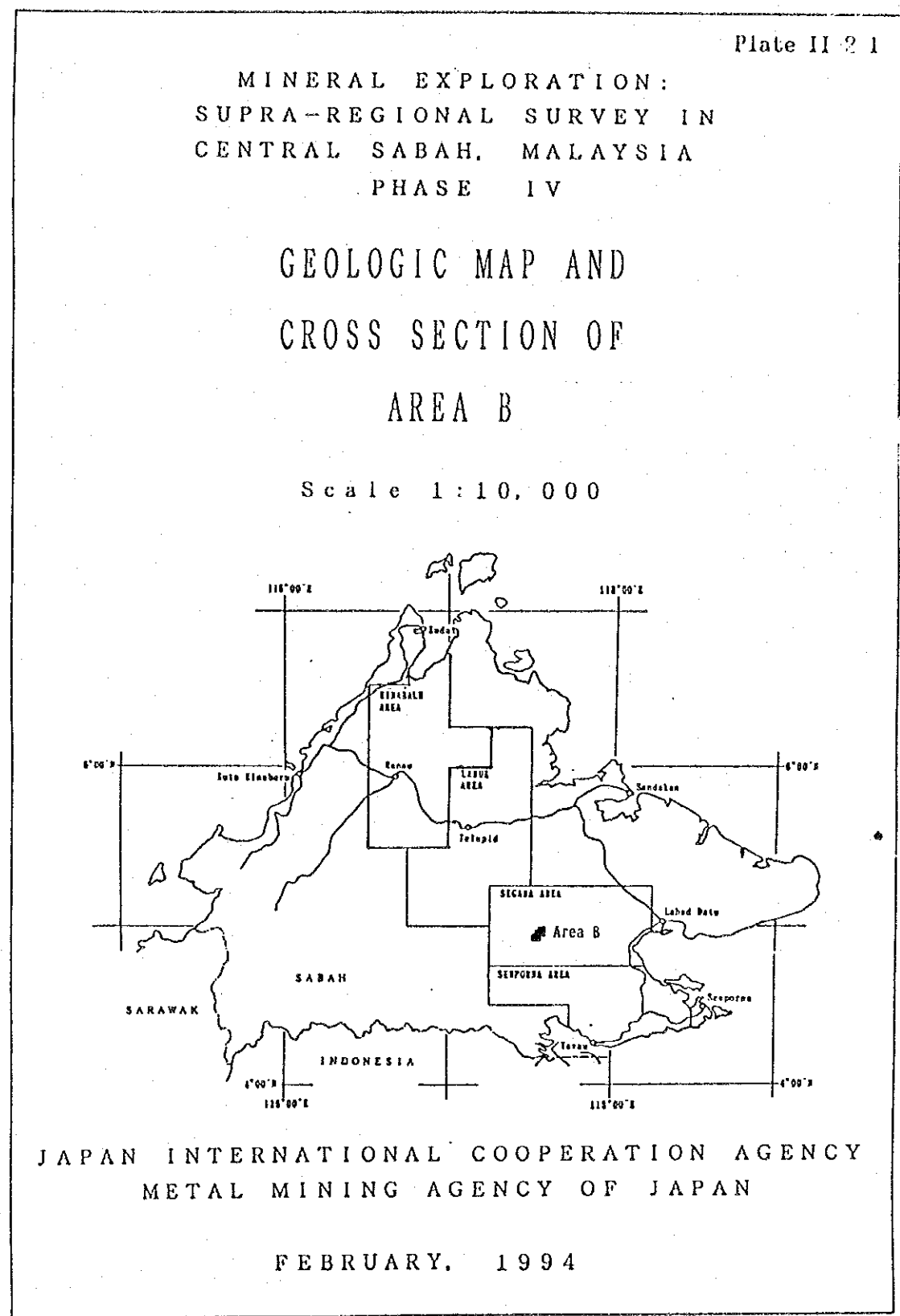
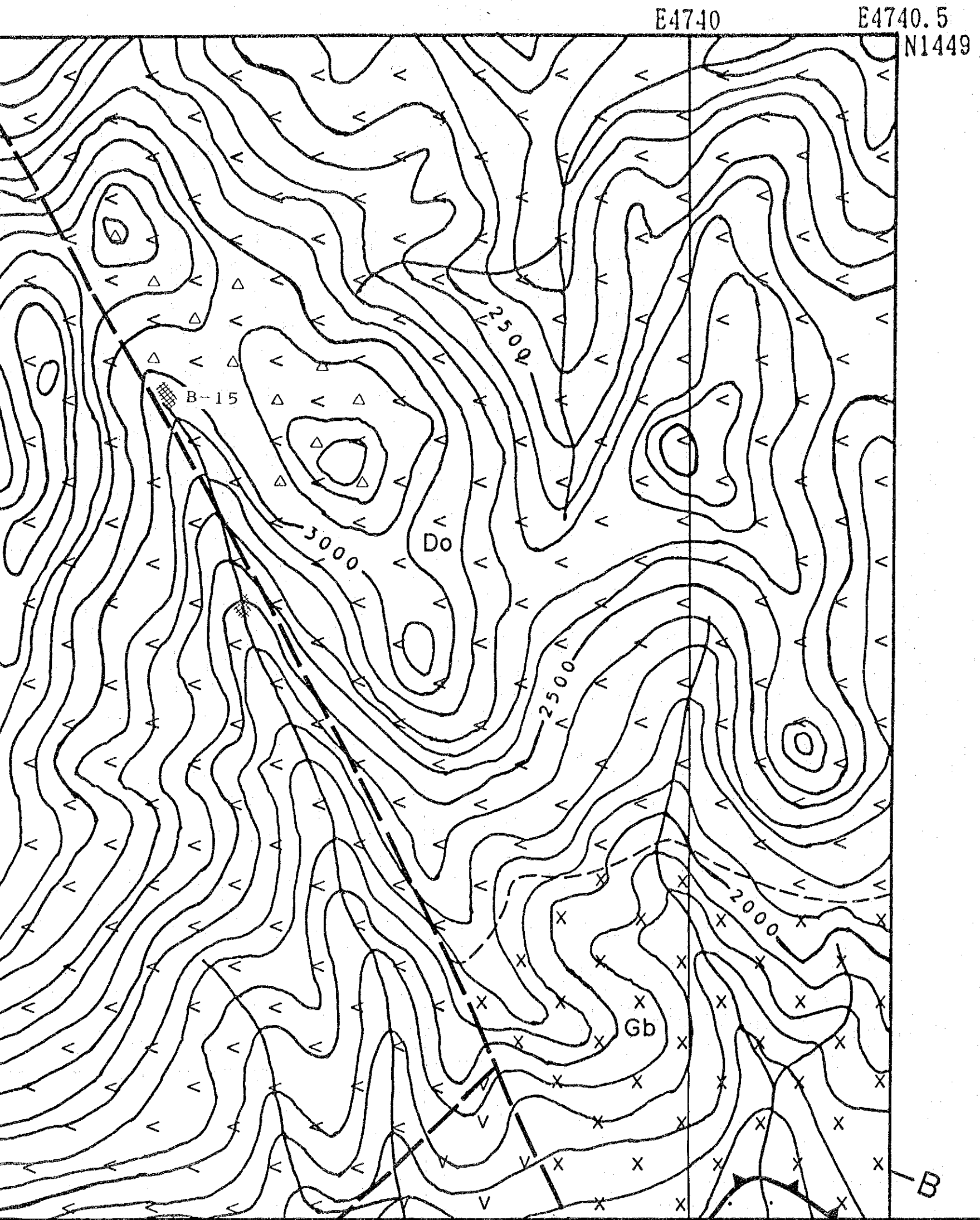


E4735  
N1447



E4736  
N1449





E4735  
N1447

E4733  
N1446

N1445

C

