List of Geochemical Analysis(2)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) 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
51	LQ551	4684.390	1501.840	35	1>	10	520	6722	1117	122	.03	1.56	3042	1>	.01	4356	2>	.011	539.6	1>	.07	.2>	2>	418
52	LQ552	4685.070	1501.430	11	6	8	392	6706	69	85	.04	3.92	3482	1>	.06	2899	2>	.021	485.3	8	.56	.2>	2>	431
53	LQ553	4685.400	1501.360	2	1	4	244	6843	31	86	.04	2.57	2169	1>	.04	1757	2>	.014	474.9	5	.74	.2>	2>	409
54	LQ554	4685.410	1501.840	36	41	5	305	6825	96	82	.04	2.21	1946	1>	.02	3229	2>	.011	491.9	1>	.17	.2>	2>	391
55	LQ555	4685.540	1501.960	46	4	9	366	6879	89	89	.03	2.72	3052	1>	.01	3954	2>	.010	356.4	1>	.24	.2>	2>	319
56	LQ556	4685.790	1502.260	1>	1>	10	457	7084	130	81	.04	3.38	3985	1>	.02	4369	2>	.012	293.2	1>	.07	.2>	2>	325
57	LQ557	4686.010	1502.550	31	2	6	273	7050	38	47	.03	2.78	2285	1>	.01	2803	2>	.008	359.6	1>	.05	.2>	2>	316
58	LQ558	4685.570	1501.820	24	1	6	421	7186	98	105	.04	1.80	2287	1>	.02	4355	2>	.018	299.1	1>	.10	.2>	2>	324
59	LQ559	4685.850	1501.810	24	20	7	346	6818	90	72	.04	3.90	2590	1>	.02	4040	2>	.012	529.6	1>	.11	.2>	2>	468
60	LQ560	4686.070	1502.430	27	2	8	320	6815	59	40	.04	4.48	2794	1>	.02	3351	2>	.008	547.3	1>	.06	.2>	2>	528
61	LQ561	4685.150	1499.720	16	1>	8	352	6953	39	86	.04	5.52	2844	1>	.08	2747	2>	.016	374.2	2	.32	.2>	2>	457
62	LQ562	4685.510	1499.900	18	1	11	329	6904	34	71	.05	5.31	2669	1>	.10	2524	2>	.013	425.1	2	.35	.2>	2>	502
63	LQ563	4685.840	1500.310	6	1>	5	344	6849	28	100	.04	5.41	3060	1>	.05	2528	2>	.014	488.9	1	.36	.2>	2>	545
64	LQ564	4686.180	1500.450	1>	1>	6	325	7011	26	57	.04	5.95	2798	1>	.10	2600	2>	.014	355.1	1	.31	.2>	2>	437
65	LQ565	4686.580	1500.770	8	1>	6	358	6957	35	71	.04	7.01	2760	1>	.17	3136	2>	.017	376.0	1	.26	.2>	2>	441
66	LQ566	4686.870	1500.860	1	1>	13	379	7106	36	81	.05	6.59	3019	1>	.13	3434	2>	.015	260.5	2	.24	.2>	2>	368
67	LQ567	4687.220	1500.890	1>	1>	7	311	6932	27	59	.04	7.04	2573	1>	.08	2529	2>	.014	380.1	2	.26	.2>	2>	489
68	LQ568	4687.500	1500.740	20	1>	7	328	6916	31	83	.04	5.63	2295	1>	.05	2983	2>	.013	423.4	1	.26	.2>	2>	488
69	LQ569	4687.840	1500.690	13	1>	19	339	7081	32	69	.05	7.63	2655	1>	.11	2998	2>	.016	285.3	2	.26	.2>	2>	387
70	LQ570	4688.080	1500.420	1>	1>	5	285	6938	25	65	.04	7.07	2247	1>	.10	2441	2>	.016	399.2	2	.28	.2>	2>	504
71	LQ571	4688.210	1500.200	9	1>	14	391	7132	52	87	.05	3.71	2587	1>	.13	2924	2>	.017	238.3	2	.30	.2	2>	332
72	LQ572	4688.150	1499.840	19	1>	35	429	7155	57	112	.06	2.68	2655	1>	.15	2647	2>	.018	220.3	3	.30	.2>	2>	314
73	LQ573	4686.420	1500.790	18	1>	11	332	7051	23	108	.05	7.16	1974	1>	.13	2994	2>	.022	315.3	2	.27	.2>	2>	415
74	LQ574	4685.200	1498.950	1>	1>	32	190	7299	35	65	.08	6.03	1506	1>	.20	1925	2>	.019	189.5	6	.25	.2>	2>	368
75	LQ575	4685.660	1499.010	4	1>	28	223	7244	42	76	.09	4.40	2045	1>	.13	1855	2>	.015	227.7	6	.28	.2	2>	398
76	LQ576	4686.370	1498.900	2	1>	29	190	7282	21	66	.06	7.57	1286	1>	.30	1799	2>	.023	196.8	8	.20	.2	2>	407
77	LQ577	4686.760	1498.800	3	1>	10	238	7301	33	67	.05	8.21	1792	1>	.31	2132	2>	.022	143.8	6	.20	.2>	2>	313
78	LQ578	4687.100	1498.740	9	1>	8	269	7207	45	57	.05	7.79	2249	1>	.33	2548	2>	.023	169.7	6	.22	.2>	2>	345
79	LQ579	4687.450	1498.680	18	1>	14	233	7252	30	41	.06	9.86	2321	1>	.35	2392	2>	.023	152.7	8	.20	.2>	2>	353
80	LQ580	4685.750	1499.330	6	1>	15	238	7194	31	72	.06	4.75	1558	1>	.17	1701	2>	.012	297.9	2	.31	.2>	2>	474
81	LQ581	4686.000	1499.580	10	1>	17	260	7135	30	57	.05	6.05	1967	1>	.15	1946	2>	.013	310.9	3	.28	.2>	2>	505
82	LQ582	4686.400	1499.160	2	1>	14	185	7168	40	61	.04	3.37	1902	1>	.07	1640	2>	.014	321.3	3	.29	.2>	2>	571
83	LQ583	4686.660	1499.320	4	1>	11	179	7108	37	41	.05	6.31	2313	1>	.14	1787	2>	.011	337.7	6	.25	.2>	2>	661
84	LQ584	4686.970	1499.420	1>	1>	12	230	7338	214	159	.04	1.26	2270	1>	.23	2266	2>	.019	91.3	3	.37	.4	2>	220
85	LQ585	4687.280	1499.470	19	1>	8	320	7115	189	99	.04	4.63	3255	1>	.15	2787	2>	.017	254.1	3	.24	.2>	2>	472

Appendix 24

List of soil geochemical samples in Area R

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

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
1	LR001	1494.37	4681.40	S. Karamuak	sandstone	P_2Cr	40	R.B.	F	C	M	W	secondary forest
2	LR002	1494.68	4681.95	S. Karamuak	———	P_2Cr	40	Y.B.	F	S	F	W	secondary forest
3	LR003	1494.25	4681.88	S. Karamuak	———	P_2Cr	40	Y.B.	F	C	F	W	secondary forest
4	LR004	1494.48	4682.66	S. Karamuak	———	P_2Cr	40	Y.B.	F	S	F	W	secondary forest
5	LR005	1494.02	4682.85	S. Karamuak	———	P_2Cr	40	Y.B.	F	S	M	W	secondary forest
6	LR006	1494.62	4683.44	S. Karamuak	———	P_2Cr	40	Y.B.	F	C	F	W	secondary forest
7	LR007	1494.25	4683.74	S. Karamuak	———	P_2Cr	40	Y.B.	F	S	F	W	secondary forest
8	LR008	1493.86	4681.48	S. Karamuak	———	P_2Cr	40	R.B.	R	C	F	W	secondary forest
9	LR009	1493.35	4681.35	S. Karamuak	———	P_2Cr	40	B.	R	C	M	W	secondary forest
10	LR010	1493.45	4681.90	S. Karamuak	———	P_2Cr	40	B.	R	S	M	W	secondary forest
11	LR011	1493.15	4682.37	S. Karamuak	perid. boulder	Csba	40	D.B.	F	S	F	W	secondary forest
12	LR012	1493.50	4682.90	S. Karamuak	———	P_2Cr	40	Y.B.	R	S	M	W	secondary forest
13	LR013	1493.70	4683.50	S. Karamuak	———	P_2Cr	40	Y.	R	S	F	W	secondary forest
14	LR014	1493.18	4683.87	S. Karamuak	———	P_2Cr	40	Y.	R	S	M	W	secondary forest
15	LR015	1493.80	4684.28	S. Karamuak	———	P_2Cr	40	Y.B.	R	S	F	W	secondary forest
16	LR016	1493.20	4684.48	S. Karamuak	———	P_2Cr	40	Y.	R	S	F	W	secondary forest
17	LR017	1493.16	4685.40	S. Karamuak	———	P_2Cr	40	B.	R	S	F	W	secondary forest
18	LR018	1492.86	4681.48	S. Karamuak	———	Csba	40	D.B.	F	S	S	W	secondary forest
19	LR019	1492.32	4681.53	S. Karamuak	———	Csba	40	D.B.	F	S	M	W	secondary forest
20	LR020	1492.78	4682.00	S. Karamuak	———	Csba	40	D.B.	F	S	F	W	secondary forest
21	LR021	1492.55	4682.45	S. Karamuak	dolerite	Csba	40	D.B.	F	S	F	W	secondary forest
22	LR022	1492.48	4682.97	S. Karamuak	———	P_2Cr	40	R.B.	F	S	F	W	secondary forest
23	LR023	1492.95	4683.20	S. Karamuak	sandstone	P_2Cr	40	Y.	R	C	M	W	secondary forest
24	LR024	1492.55	4683.77	S. Karamuak	———	P_2Cr	40	Y.B.	R	S	F	W	secondary forest
25	LR025	1492.74	4684.34	S. Karamuak	———	P_2Cr	40	B.	R	S	F	W	secondary forest
26	LR026	1492.03	4684.43	S. Karamuak	———	P_2Cr	40	R.B.	F	C	M	W	secondary forest
27	LR027	1492.94	4684.90	S. Karamuak	———	P_2Cr	40	B.	R	S	F	W	secondary forest
28	LR028	1492.45	4685.44	S. Karamuak	———	P_2Cr	40	R.B.	R	C	M	W	secondary forest
29	LR029	1491.35	4681.45	S. Karamuak	peridotite	Pr	40	D.B.	F	S	S	W	primary forest
30	LR030	1491.66	4681.80	S. Karamuak	peridotite	Pr	40	D.B.	F	S	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)

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

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
31	LR031	1491.98	4682.11	S. Karamuak	———	Csba	40	R.B.	F	C	M	W	secondary forest
32	LR032	1491.02	4682.24	S. Karamuak	peridotite	Pr	40	R.B.	R	S	M	W	secondary forest
33	LR033	1491.92	4682.83	S. Karamuak	———	P_2Cr	40	R.B.	F	S	M	W	secondary forest
34	LR034	1491.26	4682.72	S. Karamuak	serpentinite	Pr	40	D.B.	F	S	S	W	secondary forest
35	LR035	1491.71	4683.45	S. Karamuak	———	P_2Cr	40	R.B.	R	S	M	W	secondary forest
36	LR036	1491.14	4683.43	S. Karamuak	———	Gs	40	D.B.	R	S	M	W	secondary forest
37	LR037	1491.43	4684.07	S. Karamuak	———	P_2Cr	40	Y.B.	R	S	M	W	primary forest
38	LR038	1491.21	4684.60	S. Karamuak	———	P_2Cr	40	R.B.	F	S	M	W	secondary forest
39	LR039	1491.95	4685.18	S. Karamuak	———	P_2Cr	40	Y.B.	F	S	M	W	secondary forest
40	LR040	1491.34	4685.35	S. Karamuak	———	P_2Cr	10	B.	R	C	M	W	secondary forest
41	LR041	1490.88	4681.87	S. Karamuak	peridotite	Pr	40	R.B.	R	S	S	W	primary forest
42	LR042	1490.22	4682.28	S. Karamuak	peridotite	Pr	40	D.B.	F	S	S	W	primary forest
43	LR043	1490.57	4682.63	S. Karamuak	peridotite	Pr	40	D.B.	F	S	M	W	secondary forest
44	LR044	1490.34	4683.32	S. Karamuak	peridotite	Pr	40	D.B.	F	C	M	W	secondary forest
45	LR045	1490.77	4683.78	S. Karamuak	peridotite	Pr	40	D.B.	M	C	S	W	secondary forest
46	LR046	1490.08	4683.87	S. Karamuak	peridotite	Pr	40	D.B.	F	C	F	W	secondary forest
47	LR047	1490.60	4684.15	S. Karamuak	———	Pr	30	D.B.	F	C	M	W	secondary forest
48	LR048	1490.48	4684.53	S. Karamuak	peridotite	Pr	15	B.	F	C	S	W	primary forest
49	LR049	1490.64	4685.15	S. Karamuak	green schist	Gs	15	L.B.	R	C	S	W	primary forest
50	LR050	1490.72	4685.67	S. Karamuak	———	Gs	20	B.	R	C	S	W	primary forest
51	LR051	1489.79	4683.05	S. Karamuak	peridotite	Pr	40	D.B.	F	S	S	W	primary forest
52	LR052	1489.41	4683.55	S. Karamuak	———	Pr	40	D.B.	R	S	S	W	primary forest
53	LR053	1489.73	4684.23	S. Karamuak	perid. boulder	Pr	40	D.B.	F	S	M	W	primary forest
54	LR054	1489.38	4684.52	S. Karamuak	perid. boulder	Pr	40	D.B.	R	S	F	W	secondary forest
55	LR055	1489.55	4685.50	S. Karamuak	peridotite	Pr	25	D.B.	F	C	S	W	secondary forest
56	LR056	1489.26	4685.65	S. Karamuak	———	Pr	20	D.B.	M	C	M	W	secondary forest
57	LR057	1489.13	4686.25	S. Karamuak	peridotite	Pr	30	B.	R	C	S	W	primary forest
58	LR058	1489.16	4686.76	S. Karamuak	peridotite	Pr	30	B.	R	C	S	W	primary forest
59	LR059	1489.40	4687.35	S. Karamuak	peridotite	Pr	30	B.	R	C	S	W	primary forest
60	LR060	1489.13	4687.75	S. Karamuak	peridotite	Pr	30	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 N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
61	LR061	1489.54	4688.73	S. Karamuak	peridotite	Pr	25	B.	F	C	S	W	primary forest
62	LR062	1489.20	4688.63	S. Karamuak	peridotite	Pr	30	B.	R	C	S	W	primary forest
63	LR063	1489.28	4689.15	S. Karamuak	sandstone	P_2Cr	30	Y.B.	R	C	S	W	primary forest
64	LR064	1489.68	4689.85	S. Karamuak	———	Pr	30	B.	M	C	S	W	primary forest
65	LR065	1489.40	4690.25	S. Karamuak	green schist	Gs	30	B.	M	C	S	W	primary forest
66	LR066	1489.13	4690.83	S. Karamuak	———	Pr	30	B.	M	C	M	W	primary forest
67	LR067	1488.56	4683.52	S. Karamuak	peridotite	Pr	20	B.	F	C	S	W	secondary forest
68	LR068	1488.98	4684.12	S. Karamuak	harzburgite	Pr	30	D.B.	M	C	S	W	secondary forest
69	LR069	1488.62	4684.31	S. Karamuak	harzburgite	Pr	40	B.	M	C	S	W	secondary forest
70	LR070	1488.95	4684.72	S. Karamuak	green schist	Gs	20	B.	F	C	S	W	secondary forest
71	LR071	1488.23	4684.78	S. Karamuak	———	Pr	20	B.	F	C	F	W	bush
72	LR072	1488.46	4685.10	S. Karamuak	———	Gs	15	R.B.	F	C	F	W	secondary forest
73	LR073	1488.71	4685.32	S. Karamuak	———	Gs	15	B.	R	C	M	W	secondary forest
74	LR074	1488.40	4685.64	S. Karamuak	peridotite	Pr	15	R.B.	R	C	M	W	secondary forest
75	LR075	1488.30	4686.18	S. Karamuak	———	Pr	15	B.	F	C	M	W	secondary forest
76	LR076	1488.54	4686.72	S. Karamuak	peridotite	Pr	30	B.	R	C	M	W	primary forest
77	LR077	1488.36	4687.10	S. Karamuak	peridotite	Pr	30	B.	R	C	M	W	primary forest
78	LR078	1488.57	4687.80	S. Karamuak	peridotite	Pr	30	B.	R	C	M	W	primary forest
79	LR079	1488.15	4688.45	S. Karamuak	peridotite	Pr	25	B.	R	C	M	W	primary forest
80	LR080	1488.96	4689.31	S. Karamuak	sandstone	P_2Cr	20	Y.B.	R	C	S	W	primary forest
81	LR081	1488.27	4689.75	S. Karamuak	basalt	Csba	30	B.	M	S	F	W	secondary forest
82	LR082	1488.75	4690.20	S. Karamuak	serpentinite	Pr	30	B.	M	C	M	W	secondary forest
83	LR083	1488.35	4690.60	S. Karamuak	serpentinite	Pr	30	B.	M	C	M	W	secondary forest
84	LR084	1487.90	4683.52	S. Karamuak	peridotite	Pr	15	D.B.	R	C	M	W	secondary forest
85	LR085	1487.45	4683.27	S. Karamuak	peridotite	Pr	30	D.B.	F	C	M	W	secondary forest
86	LR086	1487.26	4683.95	S. Karamuak	———	Pr	15	B.	R	C	M	W	secondary forest
87	LR087	1487.80	4684.33	S. Karamuak	peridotite	Pr	30	D.B.	M	C	S	W	secondary forest
88	LR088	1486.95	4684.37	S. Karamuak	———	Pr	20	D.B.	F	C	M	W	secondary forest
89	LR089	1487.64	4684.81	S. Karamuak	peridotite	Pr	20	R.B.	M	C	M	W	secondary forest
90	LR090	1487.83	4685.25	S. Karamuak	peridotite	Pr	25	R.B.	F	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)

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

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
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	C	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	4690.65	S. Karamuak	shale	P_2Cr	30	B.	M	C	M	W	secondary forest
105	LR105	1486.95	4683.60	S. Karamuak	sandstone	P_2Cr	10	B.	F	C	F	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	S	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	S	M	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	C	S	W	primary forest
116	LR116	1486.55	4690.35	S. Karamuak	harzburgite	Pr	30	B.	M	C	S	W	primary forest
117	LR117	1485.20	4683.43	S. Karamuak	sandstone	P_2Cr	20	B.	R	S	M	W	secondary forest
118	LR118	1485.60	4683.97	S. Karamuak	mudstone	P_2Cr	30	B.	R	C	F	W	secondary forest
119	LR119	1485.05	4684.53	S. Karamuak	sandstone	P_2Cr	15	B.	R	S	F	W	secondary forest
120	LR120	1485.47	4684.85	S. Karamuak	peridotite	Pr	10	R.B.	F	C	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 N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
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	D.B.	M	C	S	W	secondary forest
124	LR124	1485.46	4686.73	S. Karamuak	peridotite	Pr	10	R.B.	M	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_2Cr	10	R.B.	F	C	F	W	secondary forest
137	LR137	1484.42	4684.18	S. Karamuak	———	P_2Cr	30	D.B.	R	C	F	W	secondary forest
138	LR138	1484.65	4684.52	S. Karamuak	shale	P_2Cr	10	B.	R	C	F	W	secondary forest
139	LR139	1484.38	4685.50	S. Karamuak	———	P_2Cr	40	B.	M	C	S	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.	F	C	M	W	primary forest
145	LR145	1484.09	4688.05	S. Karamuak	peridotite	Pr	30	B.	F	C	S	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	M	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	M	W	secondary forest
150	LR150	1484.10	4690.55	S. Karamuak	———	Pr	10	D.B.	F	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	Location(km) 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	LR001	4681.400	1494.370	1>	1>	126	7	113	16	63	.87	.44	95	2	.12	28	15	.016	3.2	36	.42	1.8	2>	21
2	LR002	4681.950	1494.680	2	1>	91	5	109	8	84	.44	.34	148	1	.07	24	15	.011	1.9	24	.36	2.2	2>	9
3	LR003	4681.880	1494.250	1>	1>	77	40	610	32	55	.20	.35	615	1	.06	143	4	.016	6.3	23	.44	1.2	2>	37
4	LR004	4682.660	1494.480	4	1>	51	2	72	5	74	.19	.18	40	1>	.03	11	4	.011	3.9	13	.30	1.6	2>	1>
5	LR005	4682.850	1494.020	5	1>	53	3	48	3	80	.18	.11	26	1>	.03	9	5	.014	1.4	15	.33	2.4	2>	1>
6	LR006	4683.440	1494.620	3	1>	63	1	55	5	77	.31	.21	33	1	.07	14	12	.016	2.6	16	.31	2.0	2>	1>
7	LR007	4683.740	1494.250	3	1>	56	1>	51	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	64	.53	1.54	1888	1>	.65	353	6	.022	14.2	59	.72	.8	2>	94
9	LR009	4681.350	1493.350	1>	1>	89	45	296	79	50	.66	.74	1240	2	.30	104	10	.018	7.0	47	.78	1.0	2>	67
10	LR010	4681.900	1493.450	2	1>	88	5	107	11	43	.51	.40	72	1	.07	26	12	.013	6.9	19	.40	2.0	2>	9
11	LR011	4682.370	1493.150	1>	1>	50	111	406	34	71	.08	1.65	3246	3	2.19	139	2>	.015	16.8	72	1.64	.2>	2>	26
12	LR012	4682.900	1493.500	5	1>	70	6	128	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	55	.15	.13	21	1>	.02	19	7	.007	.2>	16	.32	2.2	2>	1>
14	LR014	4683.870	1493.180	8	1>	58	7	343	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>	37	17	933	17	48	.10	.65	217	1>	.05	245	3	.016	8.3	16	.43	1.8	2>	13
16	LR016	4684.480	1493.200	2	1>	47	142	1537	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	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	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>	56	263	3850	36	108	.10	7.79	5273	1>	.48	2308	2>	.047	31.0	35	.29	.2	2>	91
20	LR020	4682.000	1492.780	4	1>	47	94	3025	43	72	.14	6.13	1744	1>	.46	1057	2>	.038	22.8	44	.46	.4	2>	85
21	LR021	4682.450	1492.550	1>	1>	48	266	3662	43	127	.09	2.73	3777	1>	.10	1525	2>	.027	30.0	9	.43	.6	2>	108
22	LR022	4682.970	1492.480	1>	1>	38	2	90	4	110	.11	.13	51	1>	.03	17	9	.009	.2	11	.42	2.8	2>	1>
23	LR023	4683.200	1492.950	3	1>	57	5	351	7	76	.22	.25	41	1>	.03	50	6	.011	3.1	21	.39	2.2	2>	1>
24	LR024	4683.770	1492.550	3	1>	43	46	2343	19	72	.15	.52	375	1>	.04	444	8	.018	13.1	15	.47	1.4	2>	78
25	LR025	4684.340	1492.740	4	1>	41	42	2192	27	76	.13	.42	235	1>	.04	612	9	.014	12.5	15	.54	1.6	2>	73
26	LR026	4684.430	1492.030	5	1>	114	5	98	11	56	.50	.42	52	1	.06	40	23	.012	6.1	28	.39	2.2	2>	4
27	LR027	4684.900	1492.940	2	1>	45	201	2224	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	69	.15	.15	37	1	.02	17	5	.009	1.2	10	.26	1.8	2>	1>
29	LR029	4681.450	1491.350	9	1	16	693	7361	82	233	.04	1.61	5431	1>	.15	4388	2>	.029	62.8	2	.38	.2>	2>	157
30	LR030	4681.800	1491.660	1>	1>	46	13	263	69	122	.14	.21	533	2	.08	95	6	.021	6.2	7	1.25	1.4	2>	29
31	LR031	4682.110	1491.980	1>	1>	79	20	268	70	87	.39	.49	712	2	.19	103	10	.019	4.0	14	.79	1.0	2>	43
32	LR032	4682.240	1491.020	30	2	20	114	7240	92	164	.07	.18	358	1>	.18	2875	2>	.047	44.8	3	.55	.2	2>	124
33	LR033	4682.830	1491.920	3	1>	69	35	383	17	49	.44	.44	119	1	.08	191	15	.006	3.9	16	.52	2.4	2>	32
34	LR034	4682.720	1491.260	17	1>	9	297	4969	26	103	.04	9.06	3223	1>	.20	2583	2>	.034	34.8	11	.17	.2>	2>	113
35	LR035	4683.450	1491.710	7	1>	62	5	437	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	52	.37	.40	140	2	.09	117	12	.008	7.3	18	.59	2.0	2>	24
37	LR037	4684.070	1491.430	11	1>	67	268	3590	51	100	.12	2.12	3906	1>	.27	1568	7	.015	27.2	24	1.11	.8	2>	110
38	LR038	4684.600	1491.210	7	1>	63	6	190	6	58	.31	.26	72	1	.05	38	12	.011	5.5	15	.38	2.4	3	3
39	LR039	4685.180	1491.950	1>	1>	76	6	127	9	52	.43	.28	44	1>	.08	33	17	.007	5.5	20	.31	2.4	2>	1>
40	LR040	4685.350	1491.340	30	1>	16	411	6399	37	119	.05	2.66	2673	1>	.07	2644	10	.024	44.1	3	.26	.2>	2>	112
41	LR041	4681.870	1490.880	4	1	46	329	3144	125	97	.25	3.47	5602	1>	.44	1869	2	.026	37.8	51	.95	.2	2>	134
42	LR042	4682.280	1490.220	3	1>	11	243	2752	23	86	.05	7.04	2446	1>	.18	1354	2>	.044	24.7	10	.12	.2>	2>	53
43	LR043	4682.630	1490.570	36	1>	38	459	5660	41	142	.05	6.31	7872	1>	.23	3720	2>	.035	43.1	10	.23	.2>	2>	119
44	LR044	4683.320	1490.340	1>	1>	127	57	994	42	49	.90	2.27	920	1>	.31	563	13	.023	18.6	31	.44	1.6	2>	58
45	LR045	4683.780	1490.770	28	1>	26	307	2023	26	41	.05	10.75	3440	1>	.05	2829	2>	.018	21.4	2	.95	.2	2>	100
46	LR046	4683.870	1490.080	15	1>	64	402	4979	38	117	.06	3.28	5268	1>	.07	1869	2>	.032	42.5	8	.36	.6	2>	90
47	LR047	4684.150	1490.600	17	1>	149	138	3053	35	94	.68	2.30	4206	1>	.50	1053	10	.016	21.7	40	.41	1.4	2>	89
48	LR048	4684.530	1490.480	29	1>	22	313	5686	66	140	.07	8.29	3253	1>	.32	3989	2>	.025	38.7	7	.24	.2>	2>	107
49	LR049	4685.150	1490.640	8	1	88	138	1540	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	10	1>	91	79	1452	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) X-coord	Location(km) 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
51	LR051	4683.050	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	4683.550	1489.410	1>	1>	46	109	226	62	86	.11	1.10	3842	1>	.68	93	4	.030	16.4	94	1.30	.4	2>	92
53	LR053	4684.230	1489.730	12	1>	9	135	5024	13	51	.06	9.72	1746	1>	.29	1119	2>	.045	27.8	17	.28	.2>	2>	127
54	LR054	4684.520	1489.380	1>	1>	39	334	4657	85	66	.08	6.98	4777	1>	.21	2389	4	.026	36.2	10	.28	.2>	2>	87
55	LR055	4685.500	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	4685.650	1489.260	17	1>	13	388	6418	31	104	.06	8.96	3729	1>	.24	2372	2>	.031	41.0	7	.24	.2>	2>	117
57	LR057	4686.250	1489.130	29	6	18	114	6913	108	287	.08	.09	645	1>	.22	2434	2>	.070	72.6	3	.41	.2>	2>	127
58	LR058	4686.760	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	4687.350	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	4687.750	1489.130	1>	6	17	186	5930	82	178	.07	.08	1521	1>	.16	1585	2>	.042	51.3	3	.68	.4	2>	130
61	LR061	4688.730	1489.540	34	3	5	49	6893	126	214	.04	.07	253	1>	.24	2633	2>	.064	67.9	1	.48	.4	2>	167
62	LR062	4688.630	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	4689.150	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	4689.850	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	4690.250	1489.400	46	1>	13	531	6577	86	251	.04	2.55	4823	1>	.18	3965	2>	.030	51.4	2	.26	.2>	2>	102
66	LR066	4690.830	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	4683.520	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	4684.120	1488.980	12	1>	5	235	2851	43	93	.04	10.19	2380	1>	.20	2579	2>	.024	22.2	10	.15	.2>	2>	80
69	LR069	4684.310	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	4684.720	1488.950	1>	1>	135	45	296	72	73	.71	.83	473	1>	.65	178	8	.012	9.0	9	.82	1.8	2>	78
71	LR071	4684.780	1488.230	14	1>	81	152	2336	44	77	.39	1.37	2176	1>	.33	1247	10	.016	18.3	21	.50	1.4	2>	70
72	LR072	4685.100	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	4685.320	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	4685.640	1488.400	26	1>	5	149	6974	41	117	.04	.22	1023	1>	.01	3017	4	.034	104.0	2	.55	.2	2>	159
75	LR075	4686.180	1488.300	1>	1>	10	63	396	33	56	.07	1.51	2305	1>	2.13	114	2>	.026	12.6	65	1.70	.2	2>	34
76	LR076	4686.720	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	4687.100	1488.360	1>	1	19	5	884	62	123	.09	.18	884	1>	.26	222	2>	.049	9.2	3	1.28	.2	2>	24
78	LR078	4687.800	1488.570	7	3	124	59	1339	97	113	.95	.70	1210	2	.17	497	18	.016	13.2	23	.76	1.8	2>	77
79	LR079	4688.450	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	4689.310	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	4689.750	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	4690.200	1488.750	1>	1>	25	488	6814	131	155	.08	4.76	4489	1>	.19	4005	2>	.025	57.0	3	.30	.2>	2>	125
83	LR083	4690.600	1488.350	43	3	8	219	6858	131	195	.05	.25	1005	1>	.24	3561	2>	.062	84.5	2	.33	.2	2>	153
84	LR084	4683.520	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	4683.270	1487.450	27	1>	15	461	5402	63	164	.04	10.81	5443	1>	.03	4004	4	.017	33.0	2	.11	.2	2>	146
86	LR086	4683.950	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	4684.330	1487.800	35	1>	12	283	6934	78	104	.05	9.38	2991	1>	.10	2585	2>	.030	44.6	6	.11	.2>	2>	149
88	LR088	4684.370	1486.950	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	4684.810	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	4685.250	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	4685.850	1487.540	8	1>	117	51	834	38	61	.93	.79	665	1>	.25	251	14	.012	7.8	27	.45	1.8	2>	50
92	LR092	4686.330	1487.730	1>	1>	33	837	6867	48	222	.05	1.25	7705	1>	.05	4020	2>	.027	61.7	5	.39	.2>	2>	165
93	LR093	4686.450	1487.350	31	3	73	346	5326	90	167	.19	.58	2834	1>	.22	2966	2>	.010	43.5	8	.50	.6	2>	105
94	LR094	4686.770	1487.950	23	3	52	158	6876	111	495	.08	.22	1019	1>	.25	2931	2>	.040	70.2	3	.50	.2	2>	131
95	LR095	4687.090	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	4687.650	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	4687.800	1487.130	46	1>	33	300	4266	139	113	.11	3.74	4367	1>	.39	3755	2>	.025	26.5	25	.65	.2>	2>	138
98	LR098	4687.970	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	4688.680	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	4688.550	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

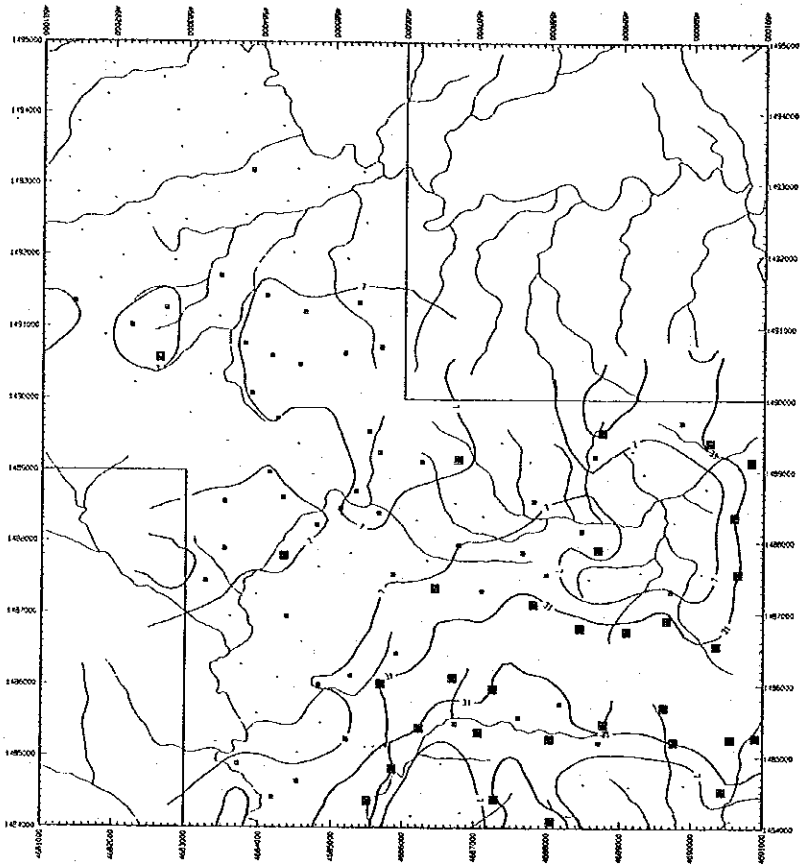
List of Geochemical Analysis(3)

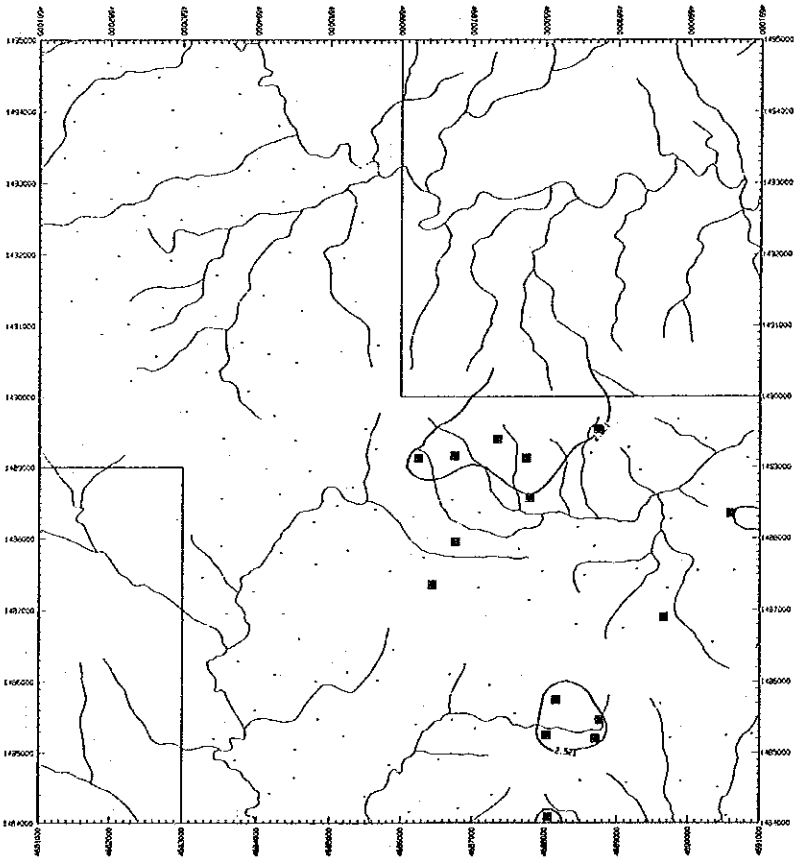
Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
101	LR101	4689.270	1487.570	3	1>	54	80	1324	114	113	.36	1.51	696	1>	.32	725	2>	.025	14.8	5	.87	1.2	2>	89
102	LR102	4689.700	1487.300	13	1>	52	334	4446	88	122	.16	7.55	4884	1>	.68	3107	2>	.033	36.1	25	.44	.2	2>	117
103	LR103	4690.140	1487.550	1>	1>	93	51	533	124	75	1.17	.98	674	1>	.36	326	2>	.019	7.6	7	1.44	.4	2>	139
104	LR104	4690.650	1487.550	32	1>	54	404	5243	77	132	.10	5.31	6291	1>	.45	3030	2>	.029	36.7	32	.59	.4	2>	114
105	LR105	4683.600	1486.950	1>	1>	52	137	415	56	135	.11	.44	1898	1>	.16	112	4	.024	7.0	21	1.20	.6	2>	41
106	LR106	4683.750	1486.280	1>	1>	11	34	248	29	62	.09	2.72	1034	1>	3.46	80	2>	.039	13.6	92	.56	.2>	2>	29
107	LR107	4684.250	1486.100	2	1>	7	52	229	40	70	.06	1.86	1354	1>	4.04	89	2>	.028	8.1	69	.50	.2>	2>	45
108	LR108	4684.580	1486.600	1>	1>	16	363	6223	36	129	.05	5.05	4130	1>	.27	2265	3	.026	43.7	8	.20	.2>	2>	126
109	LR109	4684.820	1486.000	16	1>	79	983	6554	14	132	.05	7.48	9157	1>	.28	2604	24	.036	40.0	8	.22	.2>	2>	109
110	LR110	4685.250	1486.130	10	2	15	161	6914	77	214	.07	2.36	639	1>	.19	3030	2>	.036	56.1	3	.34	.2	2>	105
111	LR111	4685.900	1486.440	18	1	16	141	6705	79	164	.04	.38	1169	1>	.21	1841	2>	.033	53.0	2	.39	.2>	2>	102
112	LR112	4686.700	1486.100	47	1>	12	661	6780	56	206	.04	1.41	3831	1>	.13	3225	2>	.031	60.1	2	.22	.2>	2>	119
113	LR113	4688.430	1486.800	62	1	31	351	5778	73	139	.05	5.67	4433	1>	.19	4430	2	.031	49.6	9	.28	.2>	2>	127
114	LR114	4689.080	1486.750	61	1	13	471	6521	67	164	.04	5.02	5034	1>	.31	3990	2>	.033	61.5	12	.29	.2>	2>	110
115	LR115	4689.650	1486.900	63	3	10	383	6804	132	233	.05	1.04	3188	1>	.35	4330	2>	.028	68.8	2	.48	.2>	2>	102
116	LR116	4690.350	1486.550	32	2	7	421	6598	77	245	.04	.86	2455	1>	.12	2442	2>	.027	56.3	2	.34	.2>	2>	105
117	LR117	4683.430	1485.200	1>	1>	74	5	104	17	70	.39	.35	91	1	.12	31	17	.010	7.2	14	.42	2.0	2>	15
118	LR118	4683.970	1485.600	1>	1>	64	69	817	27	77	.26	.37	1088	1>	.10	278	15	.011	10.6	15	.43	1.8	2>	36
119	LR119	4684.530	1485.050	5	1>	49	4	290	14	84	.18	.21	178	2	.04	35	10	.009	7.9	16	.43	2.0	2>	5
120	LR120	4684.850	1485.470	1>	1>	18	68	404	72	62	.08	1.67	1469	1	2.00	158	2>	.025	19.3	77	.87	.2>	2>	42
121	LR121	4685.200	1485.240	7	1>	133	13	177	37	61	.92	.68	220	2	.14	71	23	.012	9.6	30	.45	2.2	2>	59
122	LR122	4685.680	1486.020	48	2	8	299	6581	79	134	.05	3.08	2259	1>	.31	3869	2>	.028	68.1	10	.34	.2>	2>	103
123	LR123	4686.230	1485.400	44	1>	12	351	5581	32	90	.04	9.57	4575	1>	.38	2875	2>	.030	41.4	11	.21	.2>	2>	106
124	LR124	4686.730	1485.460	16	1>	14	405	7247	13	82	.04	9.19	4525	1>	.42	2289	3	.033	51.6	15	.09	.2>	2>	138
125	LR125	4687.250	1485.950	32	2	5	76	7449	104	142	.04	.16	365	1	.25	2203	2>	.038	77.4	1>	.44	.2	2>	120
126	LR126	4687.050	1485.340	37	2	30	811	7330	39	159	.04	3.81	8742	1>	.12	3599	2>	.029	85.5	5	.19	.2>	2>	176
127	LR127	4687.600	1485.550	11	1>	9	479	6866	33	154	.04	6.60	4115	1>	.27	2416	2>	.033	57.3	8	.22	.2>	2>	117
128	LR128	4688.030	1485.250	39	4	7	781	7359	107	156	.04	.23	3322	1>	.21	3652	2>	.038	92.1	1>	.31	.2	2>	157
129	LR129	4688.160	1485.740	26	4	5	107	7359	100	193	.04	.28	503	1	.20	2252	2>	.030	75.6	1>	.38	.2	2>	111
130	LR130	4688.700	1485.200	18	4	5	90	7450	241	161	.04	.09	539	3	.28	2049	2>	.071	79.7	1	.94	.4	2>	118
131	LR131	4688.760	1485.460	70	3	2060	64	7302	136	266	.24	.14	305	1	.47	3252	2>	.092	127.9	30	.35	.2	2>	158
132	LR132	4689.610	1485.690	33	1>	118	233	6437	26	187	.05	5.08	2303	1>	.08	2384	2>	.083	53.1	8	.14	.2	2>	137
133	LR133	4689.750	1485.210	53	1>	246	399	7360	35	131	.06	6.73	4987	1>	.20	3187	2>	.037	98.5	11	.18	.2	2>	193
134	LR134	4690.550	1485.240	85	1	578	540	7293	39	129	.09	9.49	5223	1>	.18	3845	2	.029	108.1	11	.15	.2>	2>	174
135	LR135	4690.900	1485.270	37	1>	409	300	5353	24	107	.08	9.28	3214	1>	.29	2204	2>	.038	47.6	15	.19	.2>	2>	114
136	LR136	4683.710	1484.900	22	1>	524	203	3751	50	96	.16	1.47	2347	1>	.18	1478	13	.017	44.2	18	.80	.6	2>	98
137	LR137	4684.180	1484.420	25	1>	936	116	2013	53	78	.52	3.25	2229	1>	.95	1215	2>	.024	37.1	60	.61	.6	2>	91
138	LR138	4684.520	1484.650	13	1>	1060	6	200	42	80	1.07	.61	169	3	.28	48	27	.008	15.1	45	.53	2.2	2>	35
139	LR139	4685.500	1484.380	69	1>	905	522	7298	116	112	.13	6.28	4528	1>	.32	4462	2	.019	84.2	19	.32	.2>	2>	168
140	LR140	4685.850	1484.830	94	1>	2238	326	7256	99	167	.25	1.02	1245	1>	.50	4473	2>	.040	159.7	33	.25	.2	2>	208
141	LR141	4686.130	1484.160	1>	1>	56	53	438	38	46	.27	2.48	1095	2	1.38	201	2>	.011	20.2	34	.77	.4	2>	38
142	LR142	4686.550	1484.900	1>	1>	12	619	7216	110	215	.04	3.46	4196	1>	.21	4441	2>	.019	129.9	2	.11	.2>	2>	221
143	LR143	4686.820	1484.210	1>	1>	92	4	109	15	45	.46	.30	87	1>	.09	29	14	.014	6.7	16	.40	2.0	2>	6
144	LR144	4687.280	1484.400	70	1	13	409	7344	93	150	.05	.71	1880	1>	.21	4527	2>	.026	116.4	1	.26	.4	2>	183
145	LR145	4688.050	1484.090	68	3	26	514	4237	74	118	.11	2.14	6215	1>	.26	4432	2>	.021	54.7	6	.53	.4	2>	83
146	LR146	4688.500	1484.610	1>	1>	28	146	1011	60	138	.17	1.04	3451	1	.39	229	2>	.037	24.8	27	1.53	.2	2>	69
147	LR147	4689.130	1484.580	1>	1>	26	67	356	68	105	.16	.64	1219	2	.38	165	5	.018	22.2	5	1.69	.4	2>	65
148	LR148	4689.900	1484.600	1>	1>	32	146	1530	51	121	.20	2.10	5072	1>	.75	633	2>	.033	30.5	25	1.36	.2	2>	104
149	LR149	4690.430	1484.510	38	1>	8	447	7243	115	167	.04	3.38	3004	1>	.25	4440	2	.020	103.8	1	.18	.2	2>	166
150	LR150	4690.550	1484.100	1>	1>	19	74	497	83	77	.26	1.43	1784	1>	1.01	210	3	.035	20.8	51	.90	.2	2>	61

Appendix 26

Distribution map of elements in Area R

Soil





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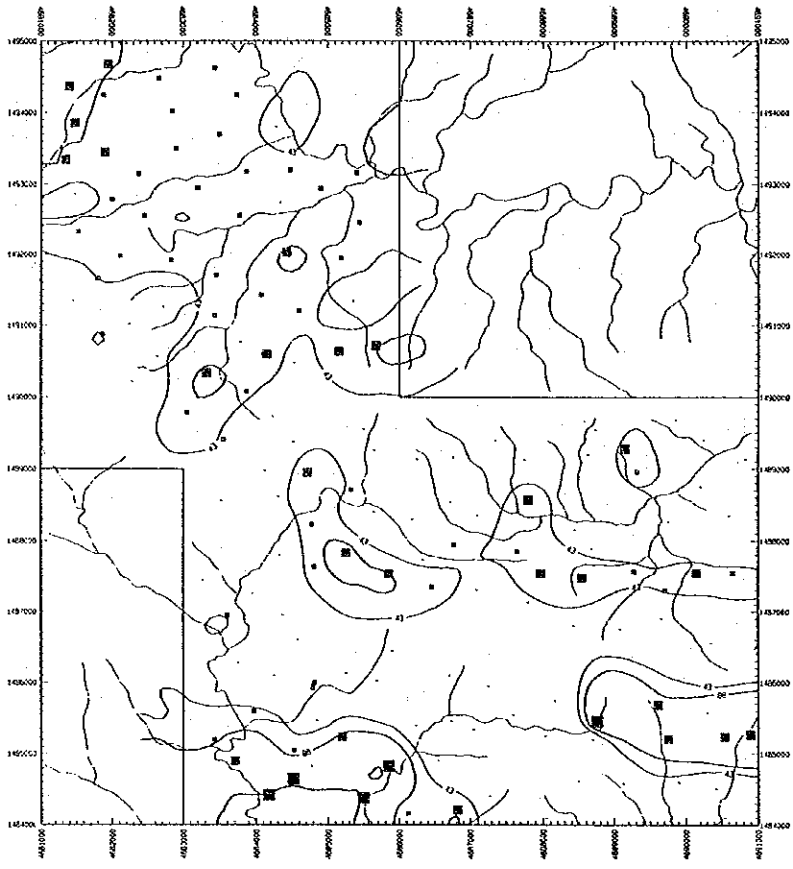

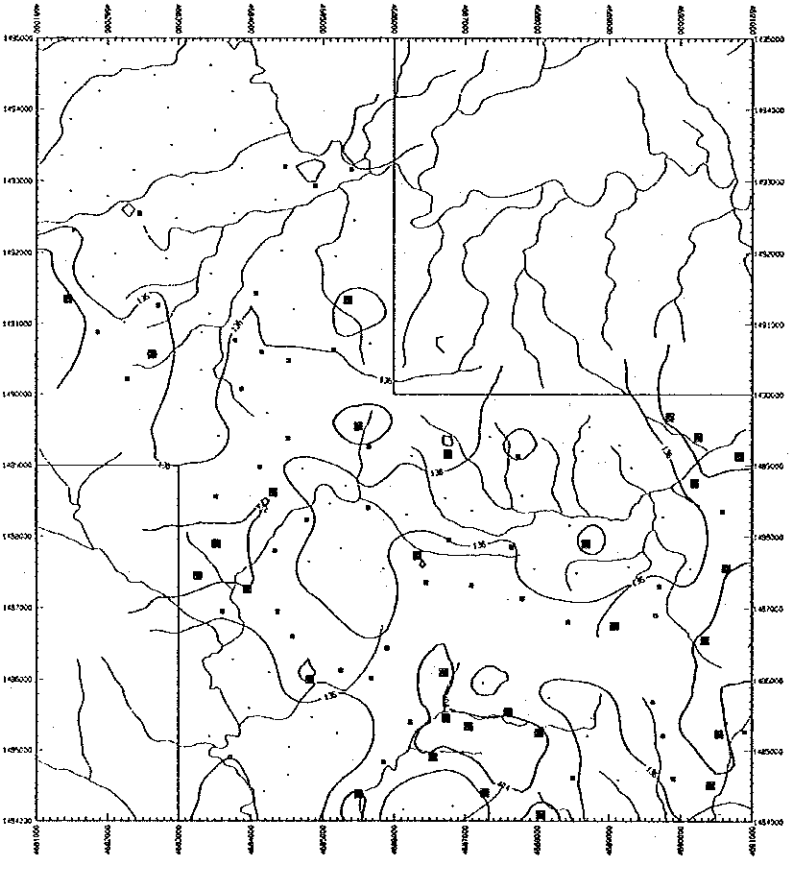

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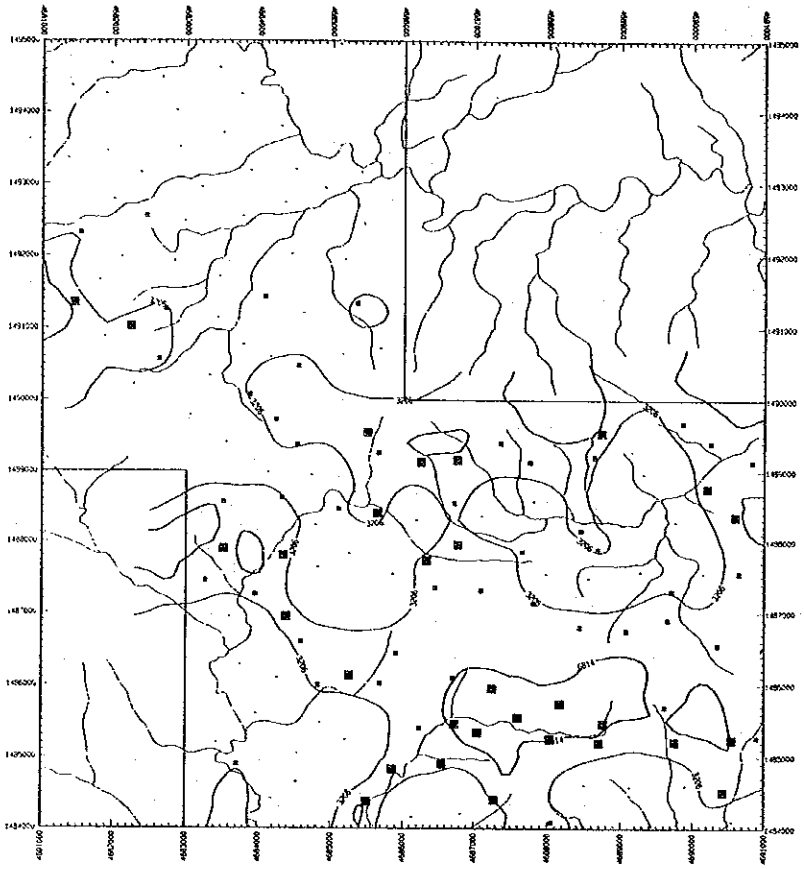

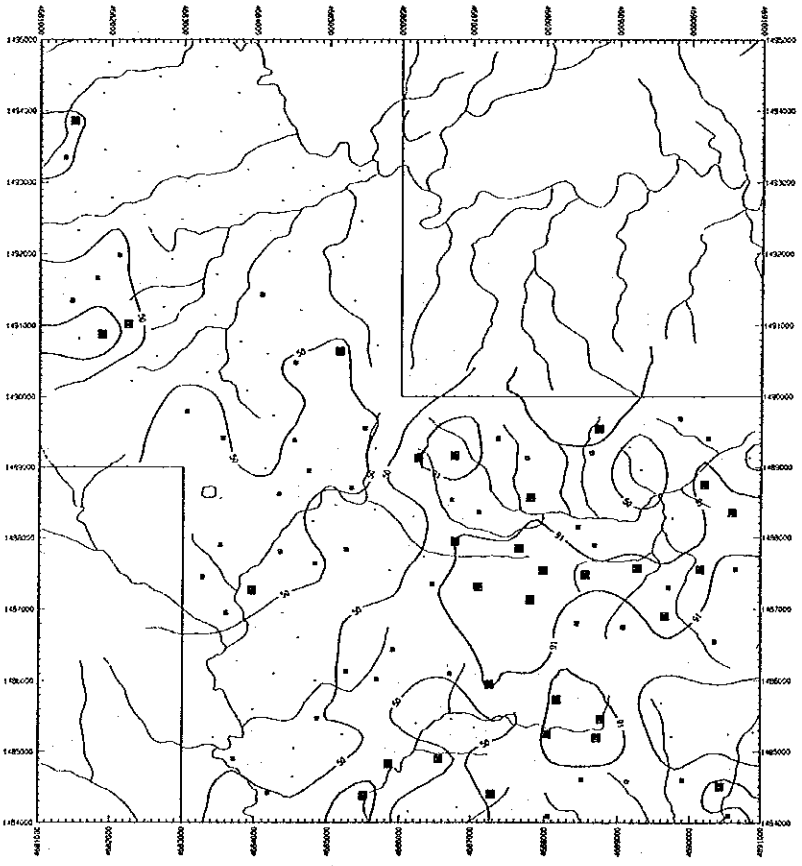

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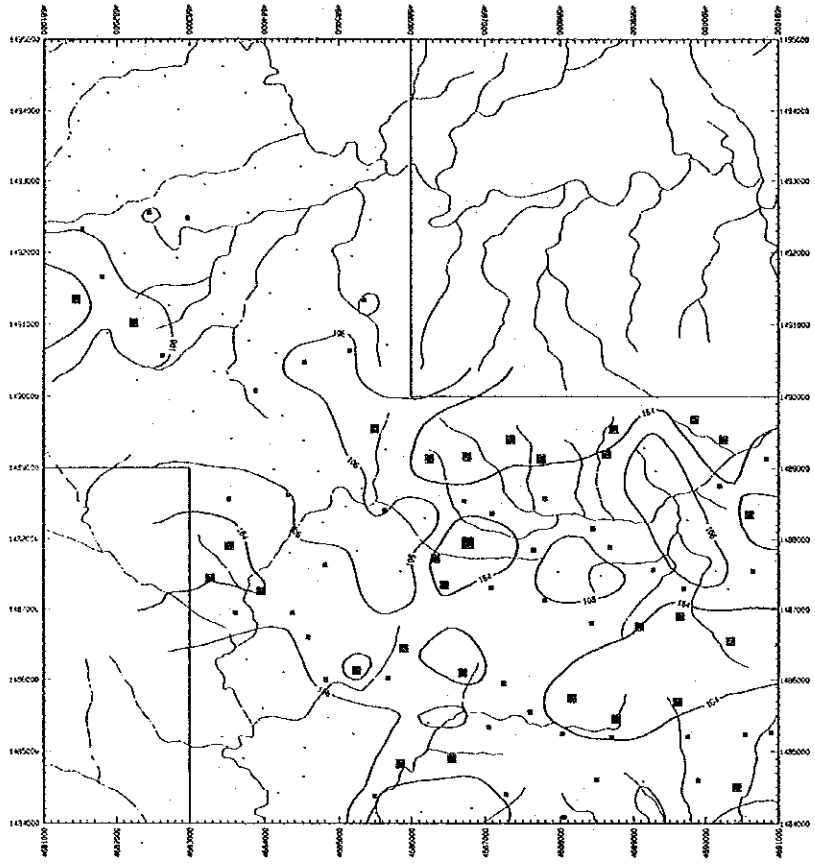

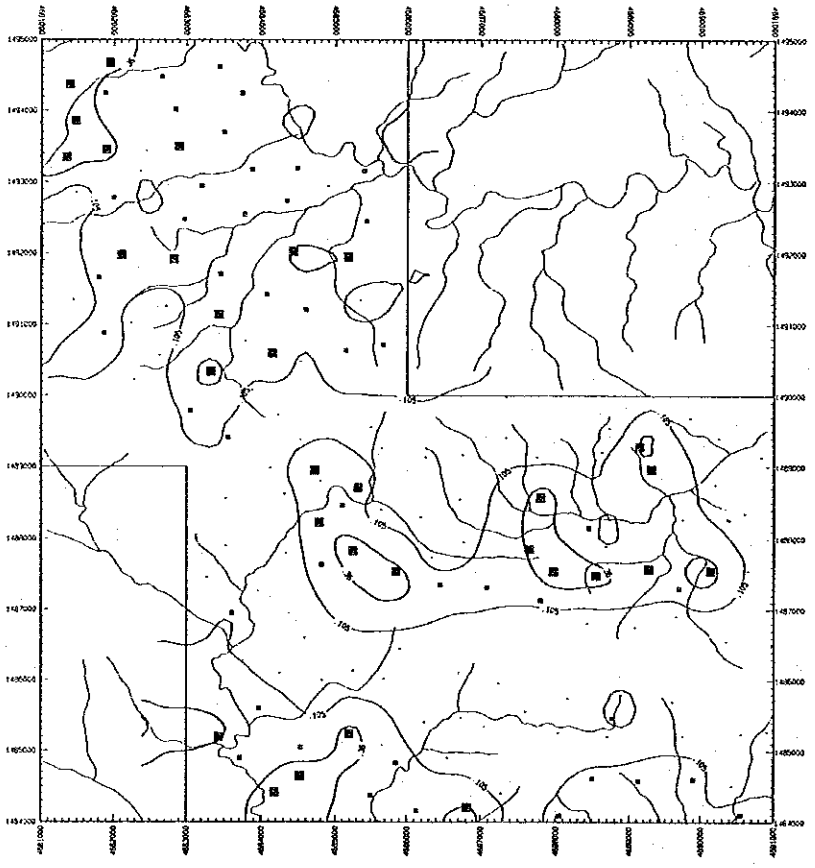

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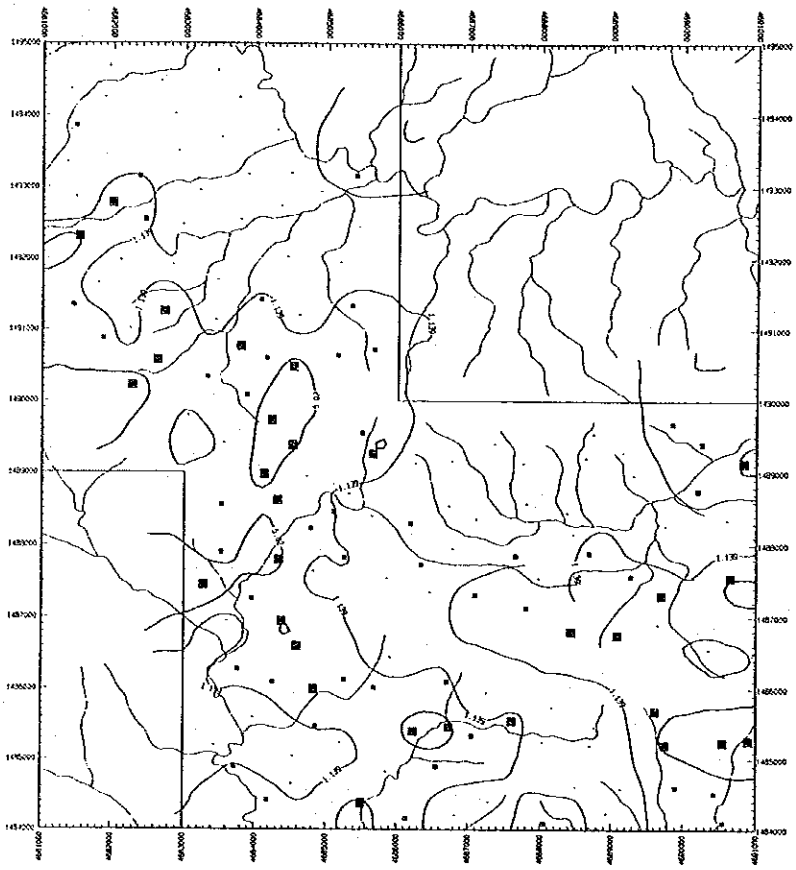

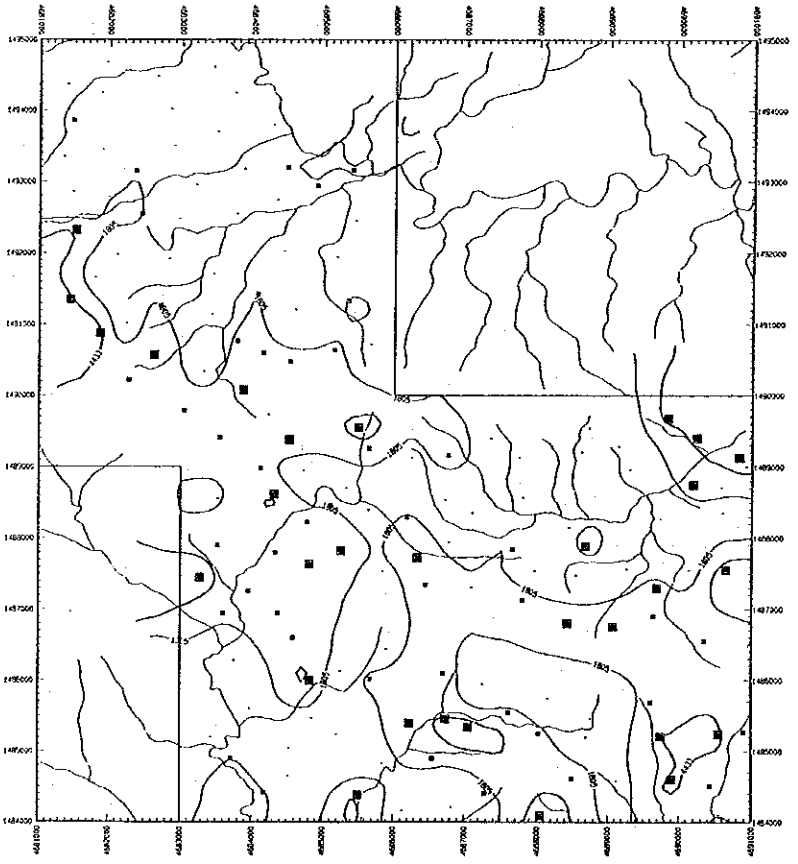

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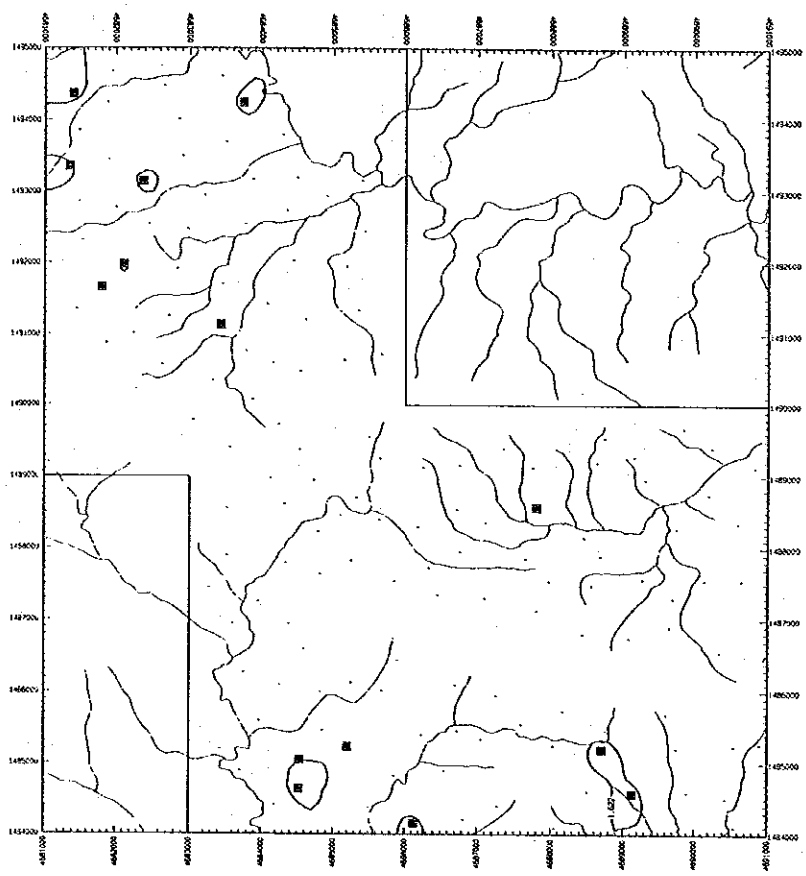

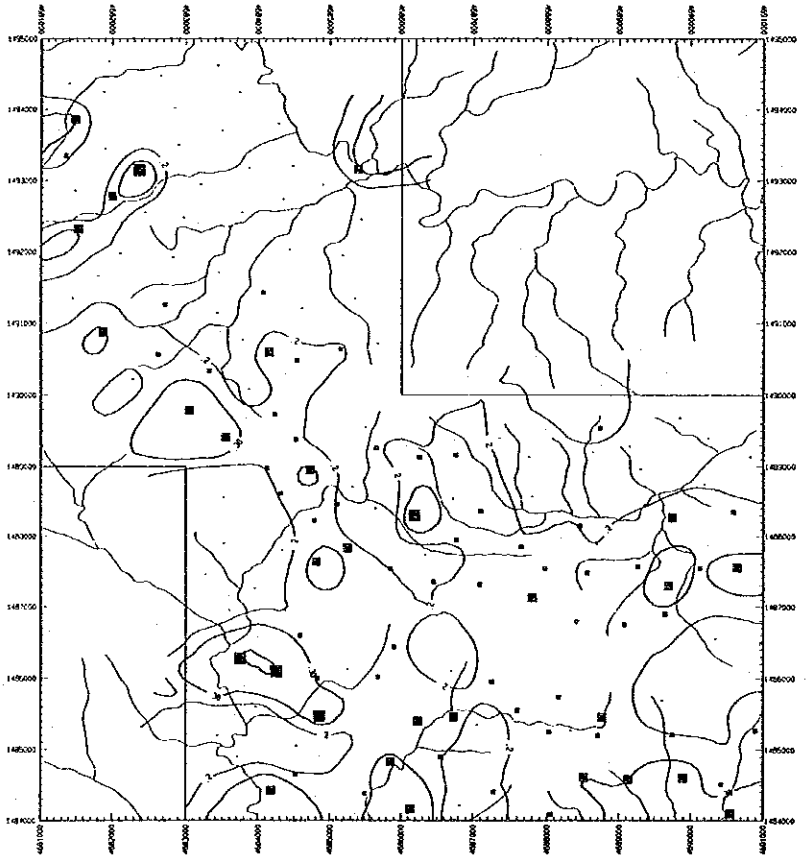

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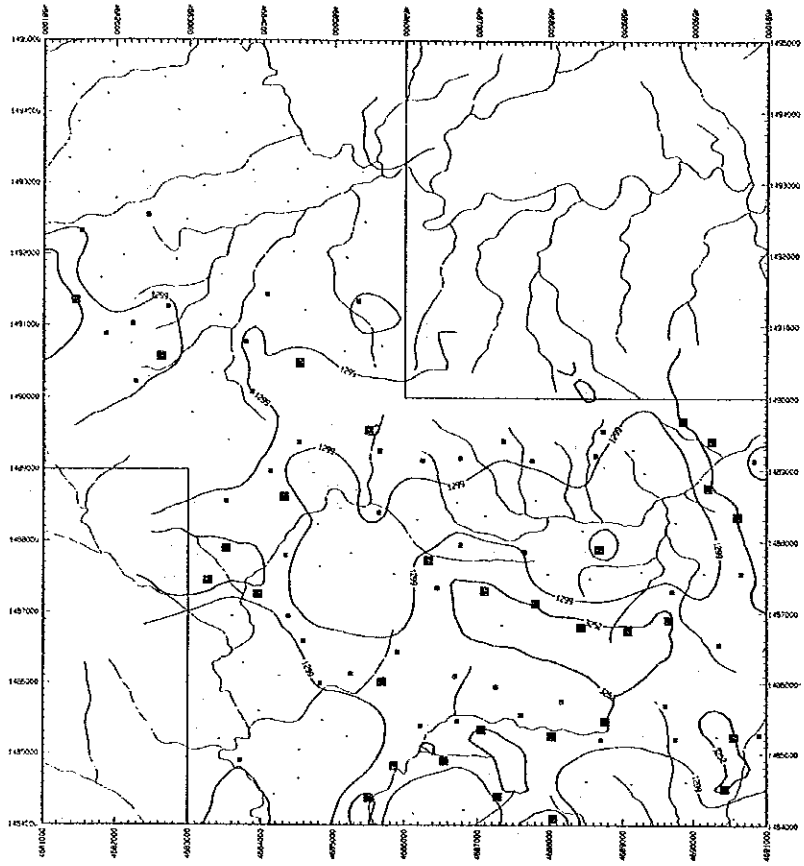

Ni

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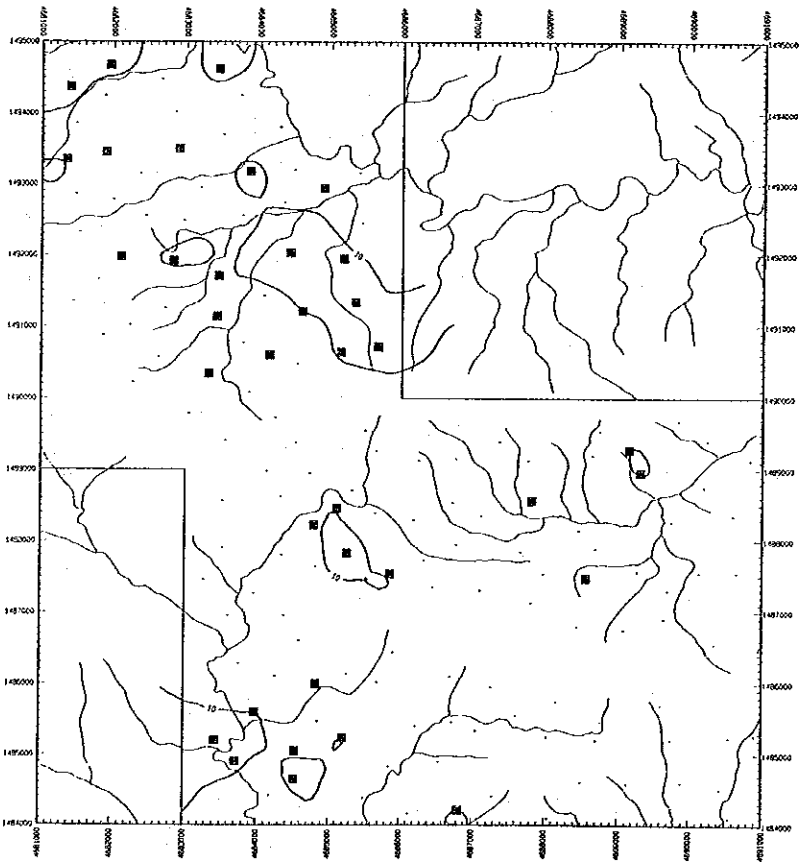

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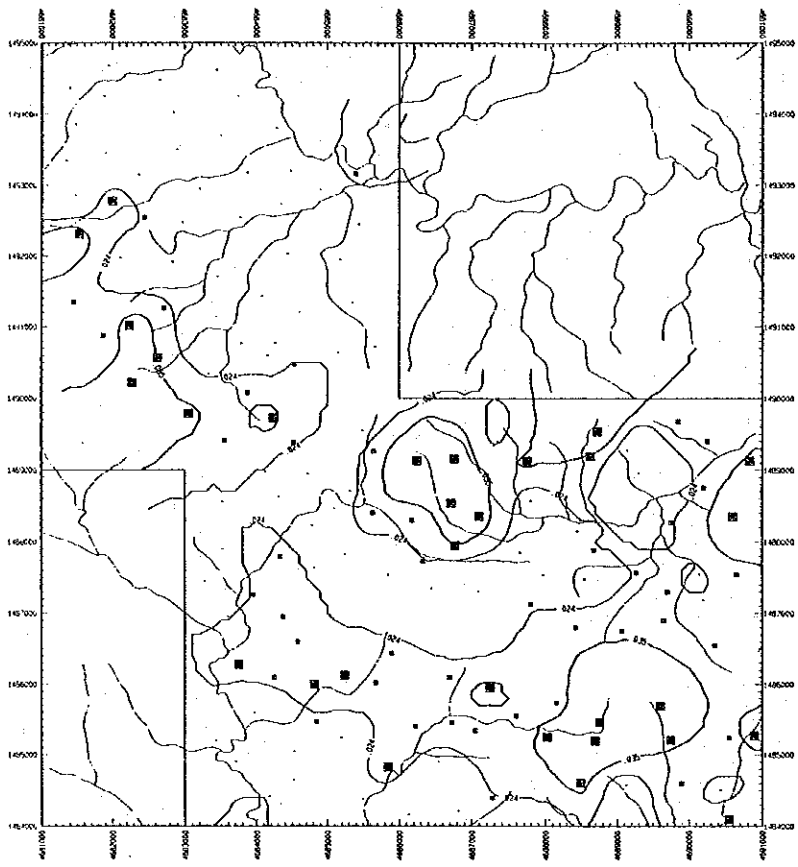

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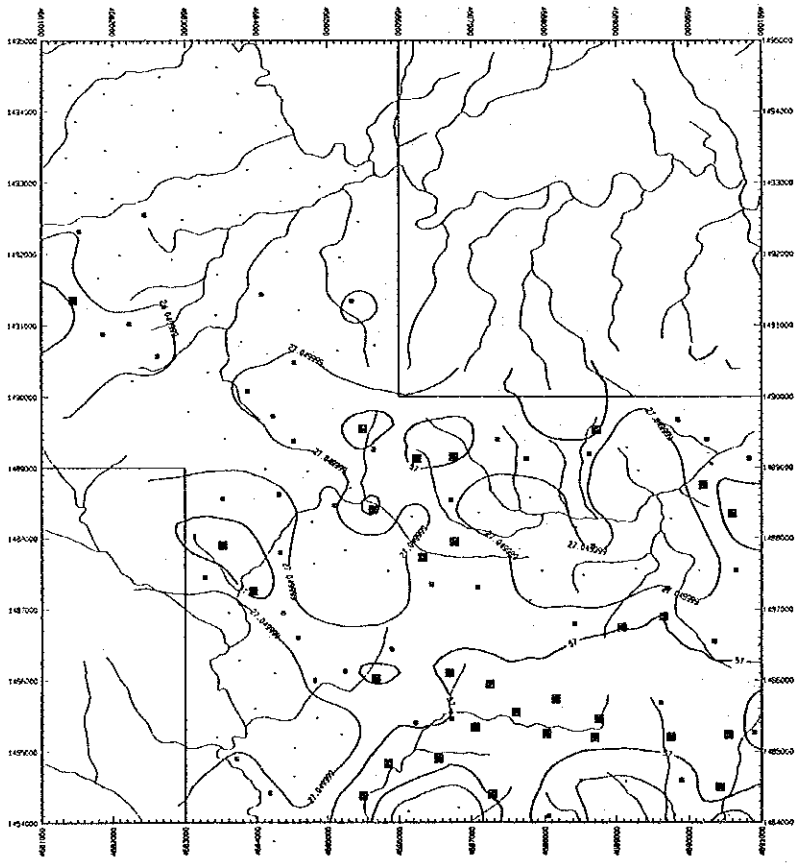

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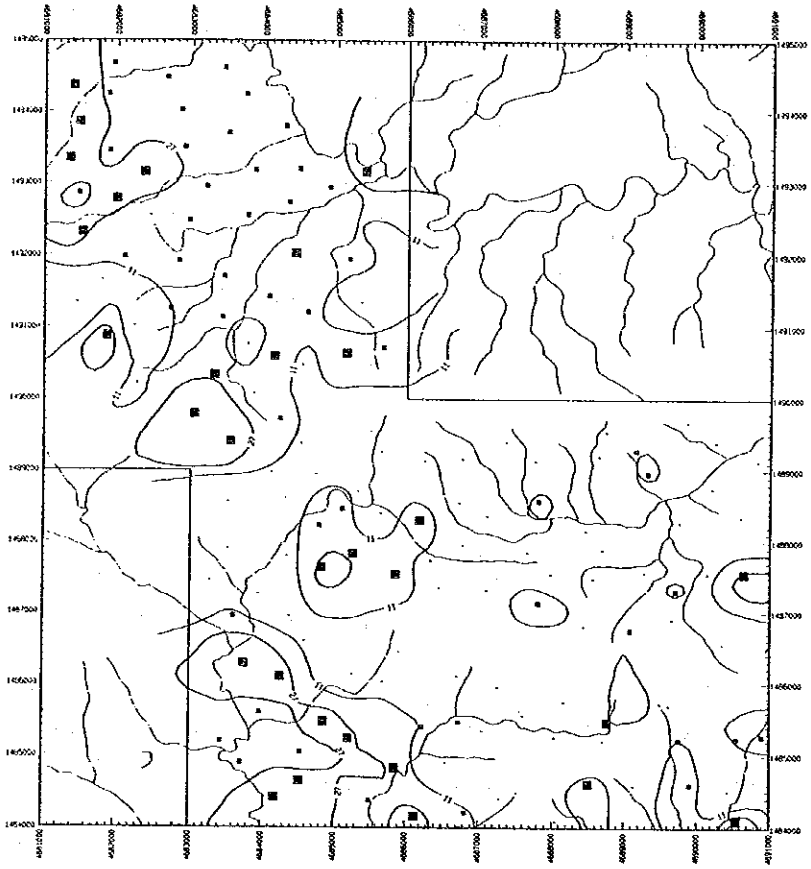
Soil



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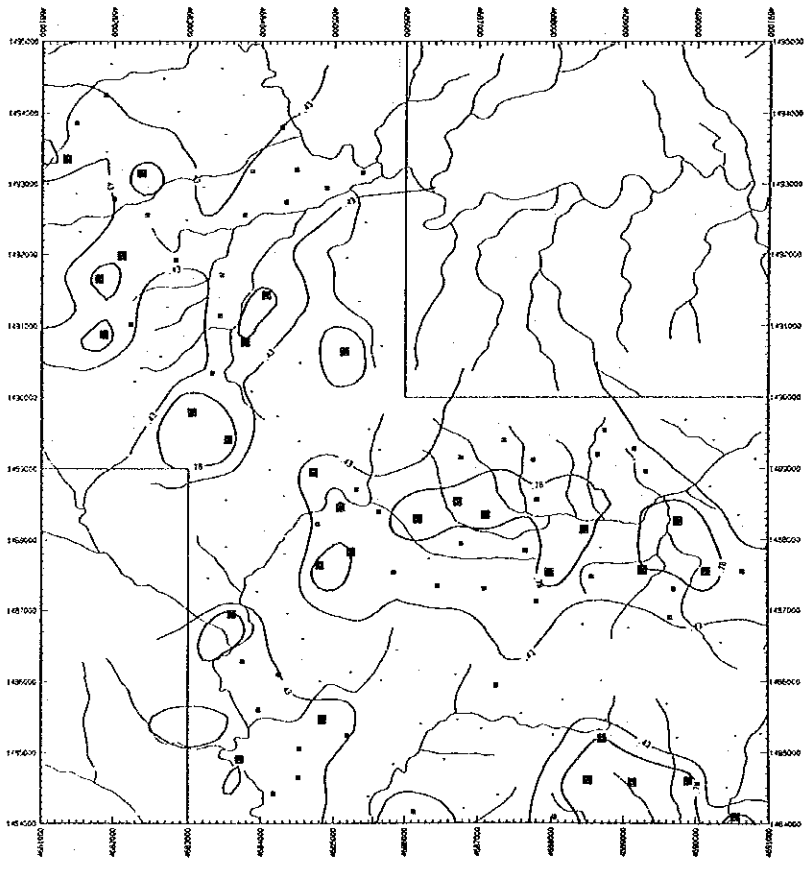
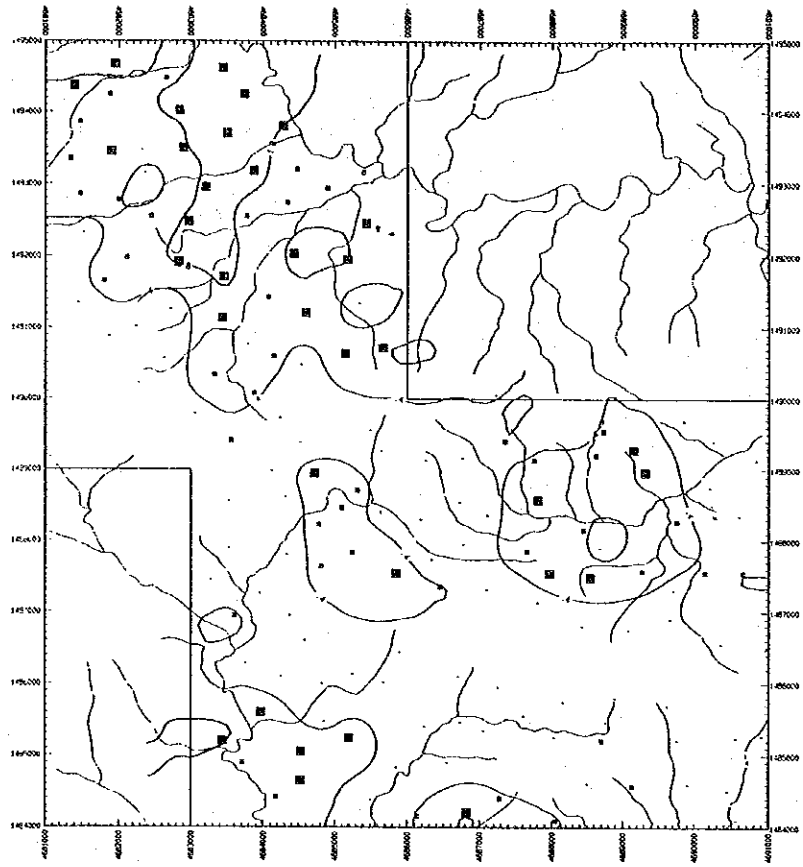
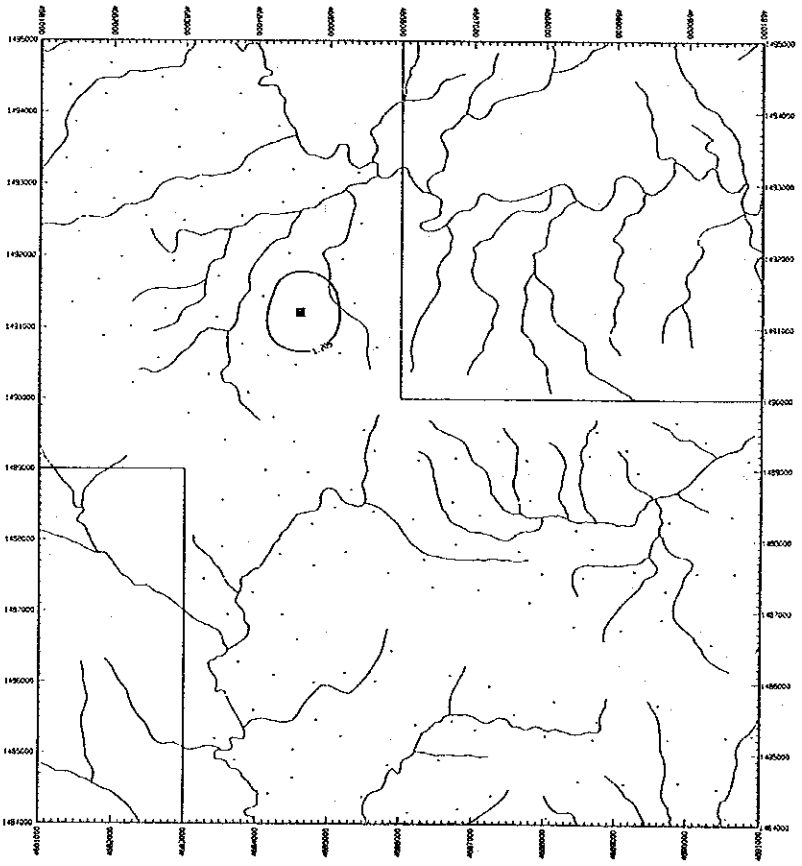


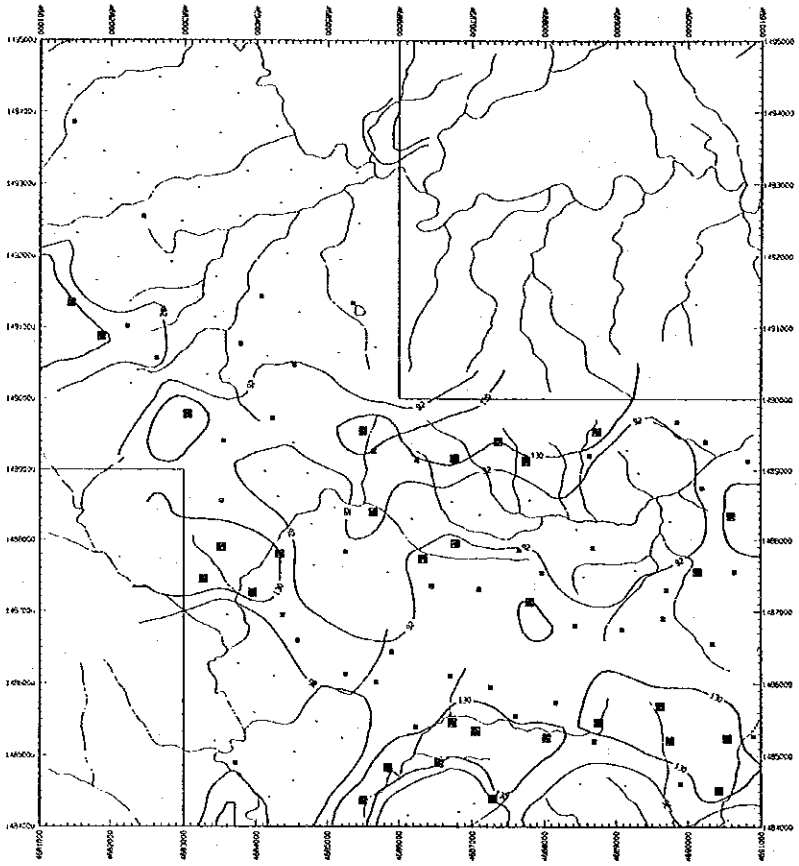
Ti

Soil





Soil

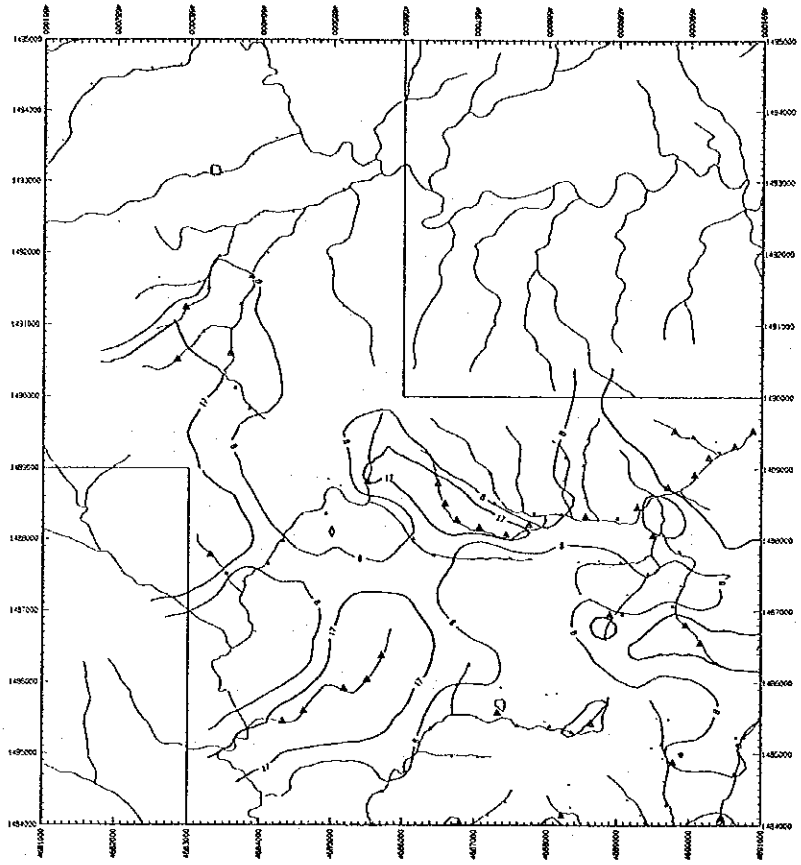


Zn

130.000

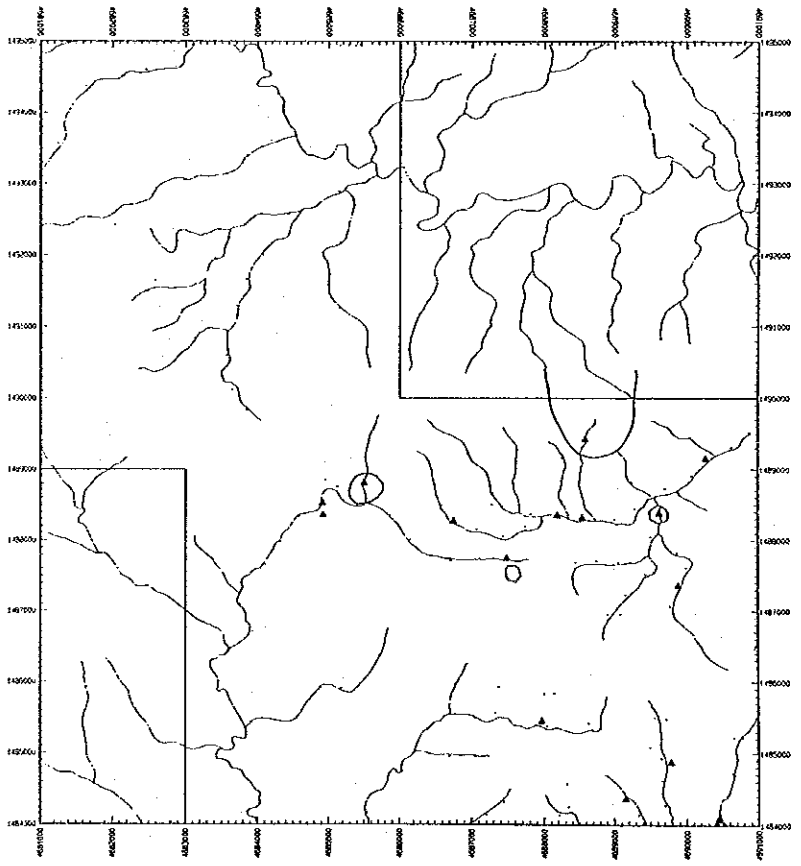
92.000

Stream Sediments



As

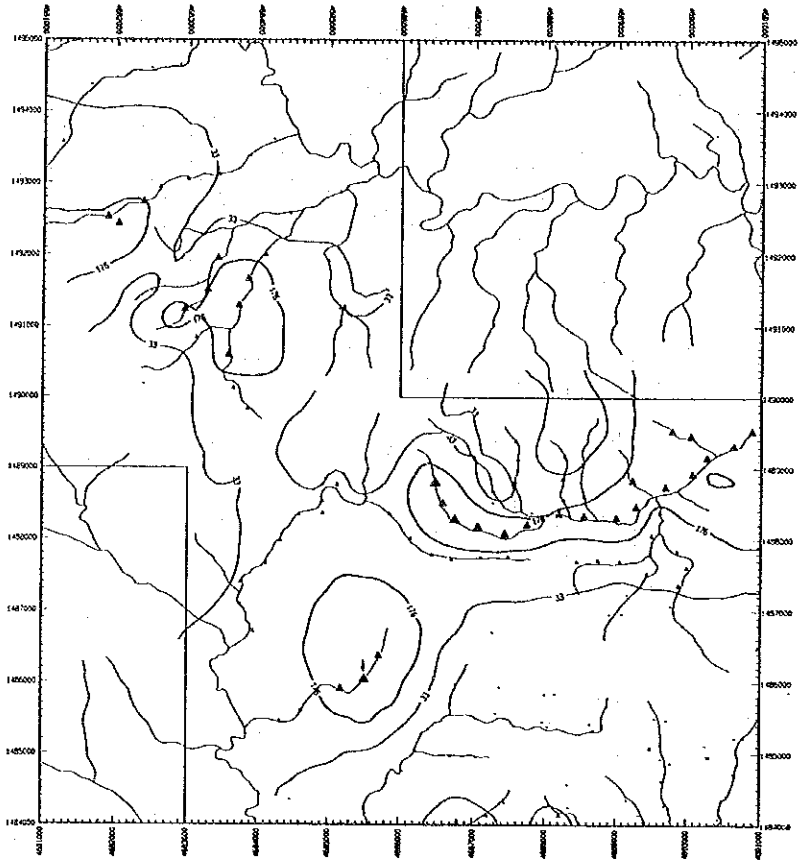
17.000
8.000



Au

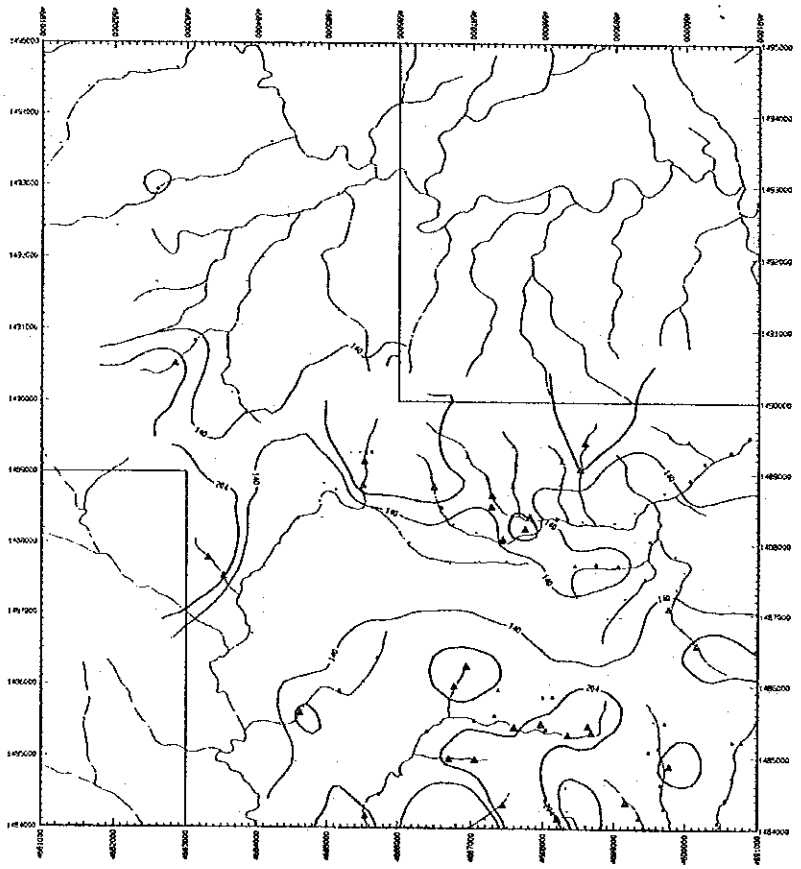
.959

Stream Sediments



Ba

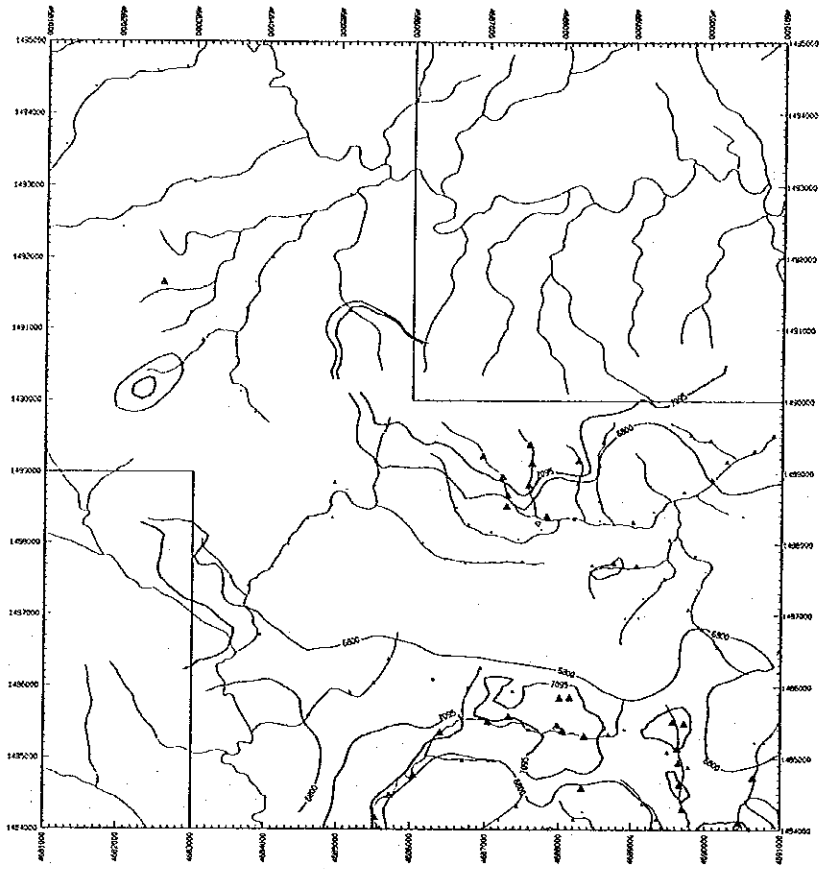
1215.000
176.000
33.000



Co

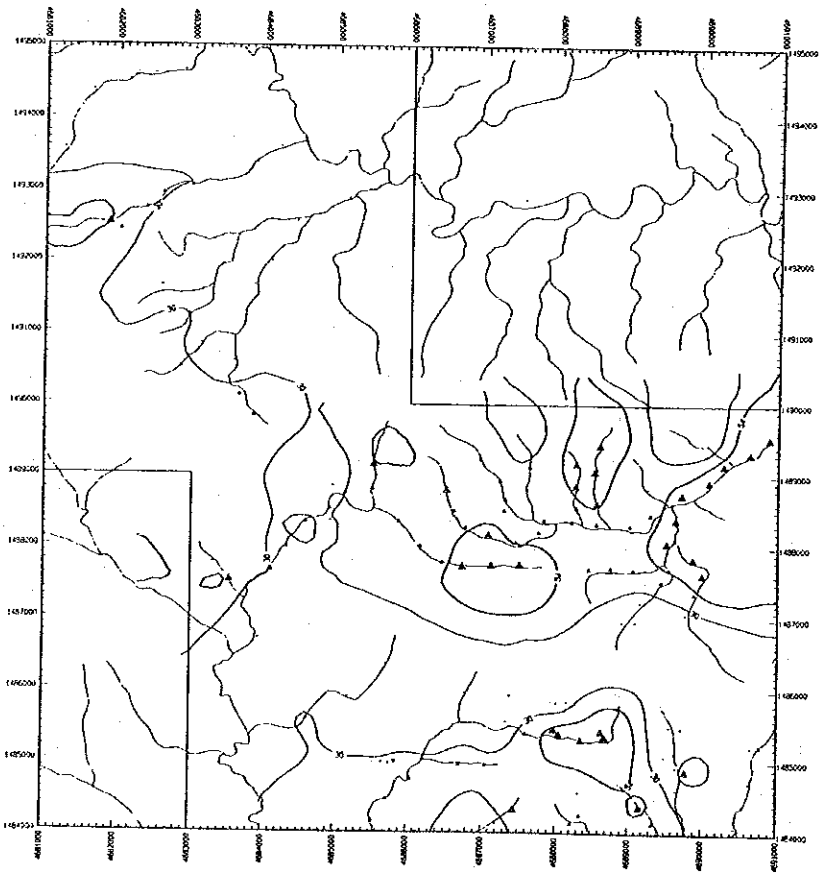
204.000
140.000

Stream Sediments



Cr

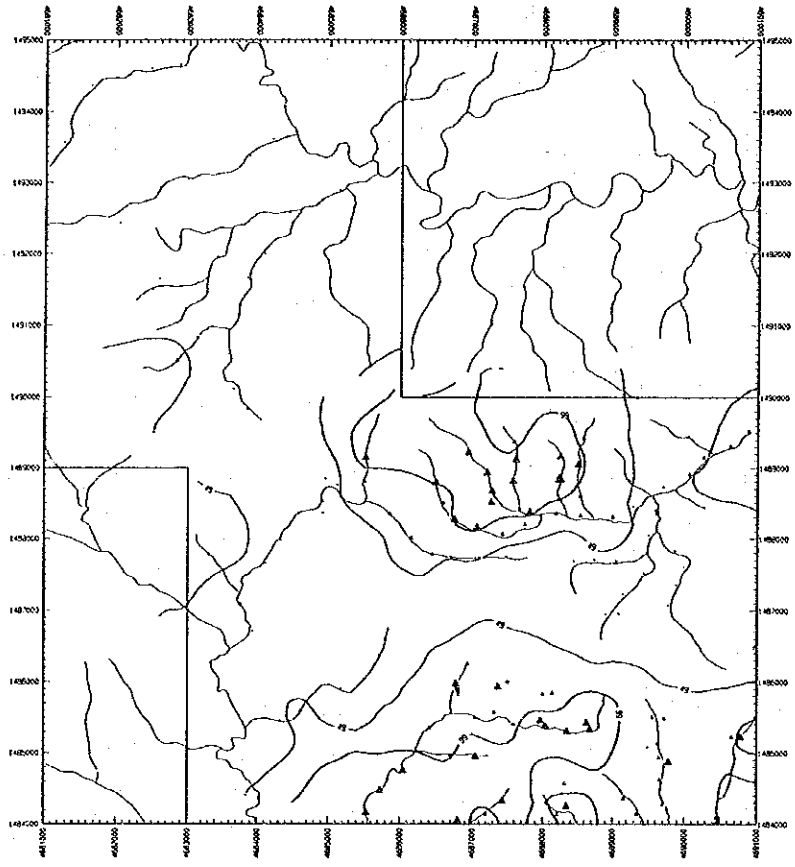
7095.000
6800.000

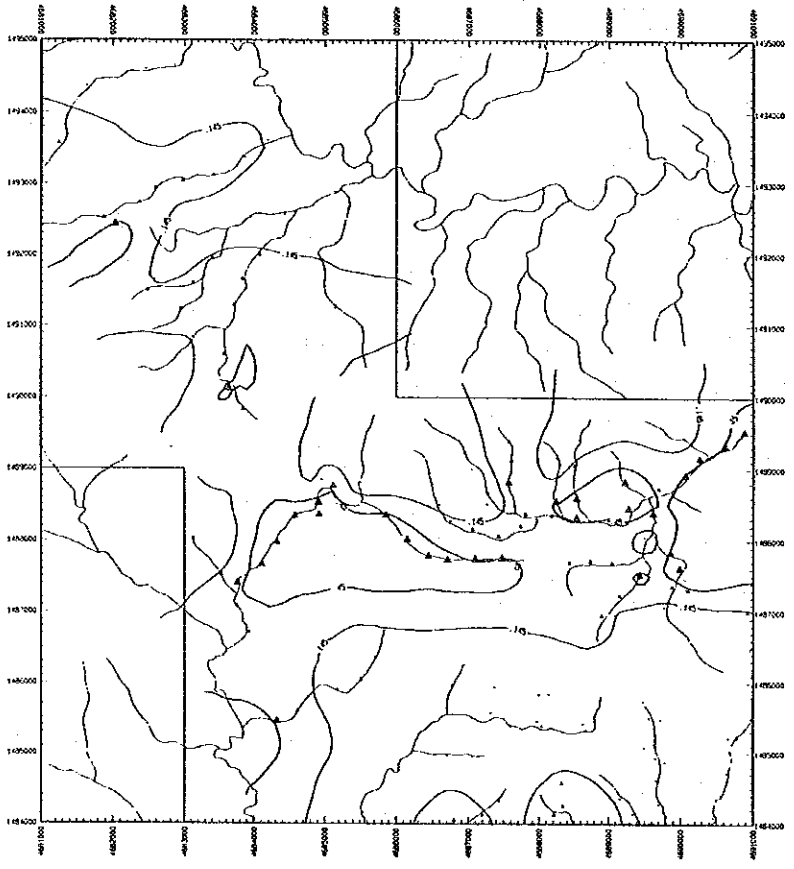


Cu

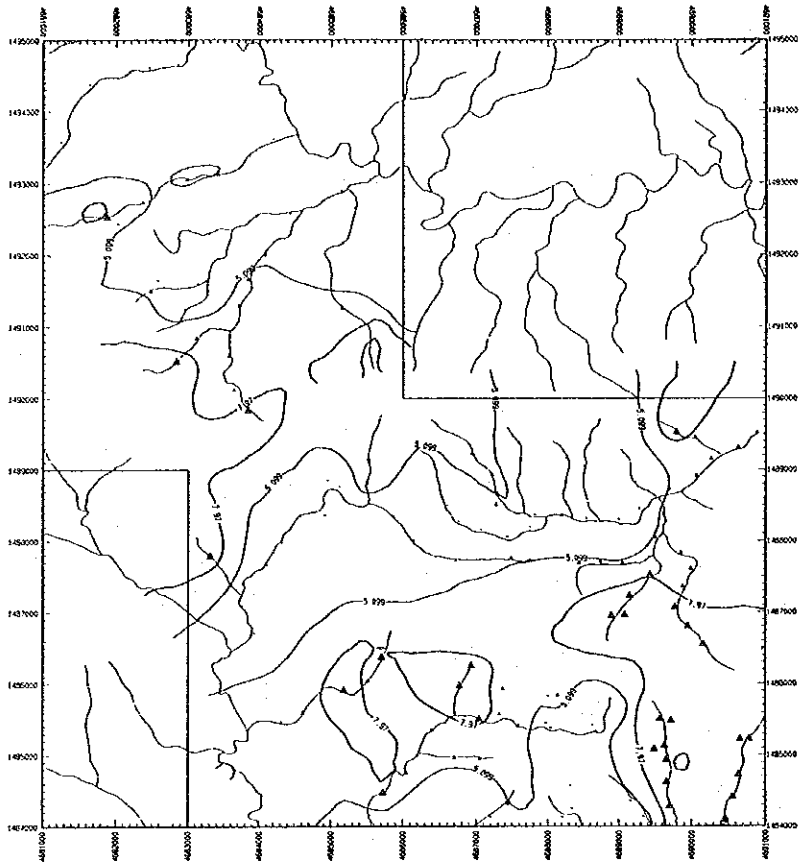
203.000
54.000
30.000

Stream Sediments



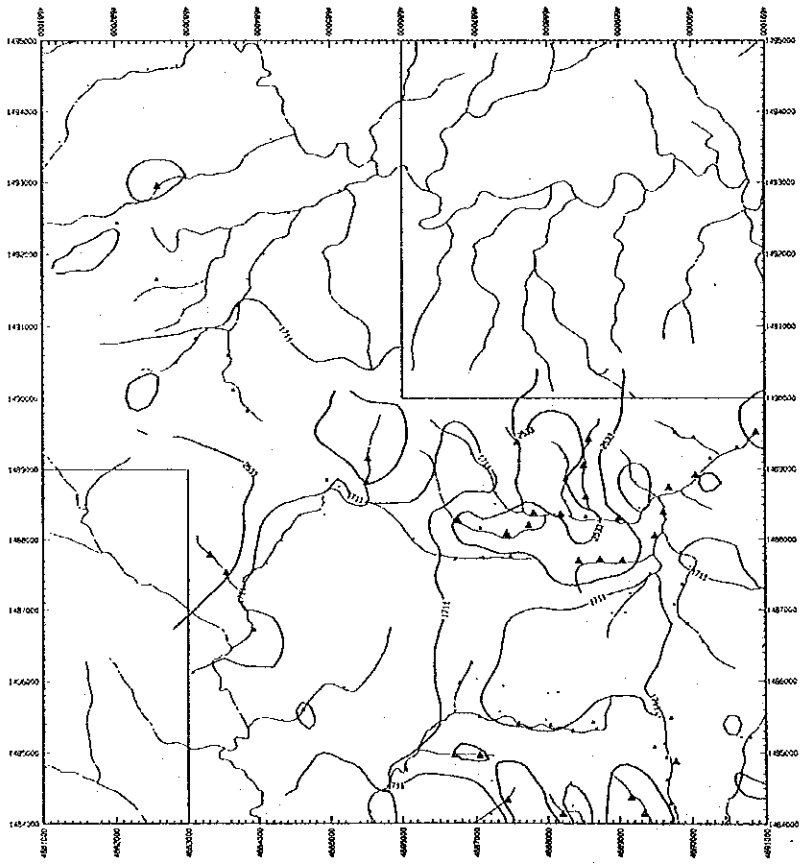


Stream Sediments



Mg

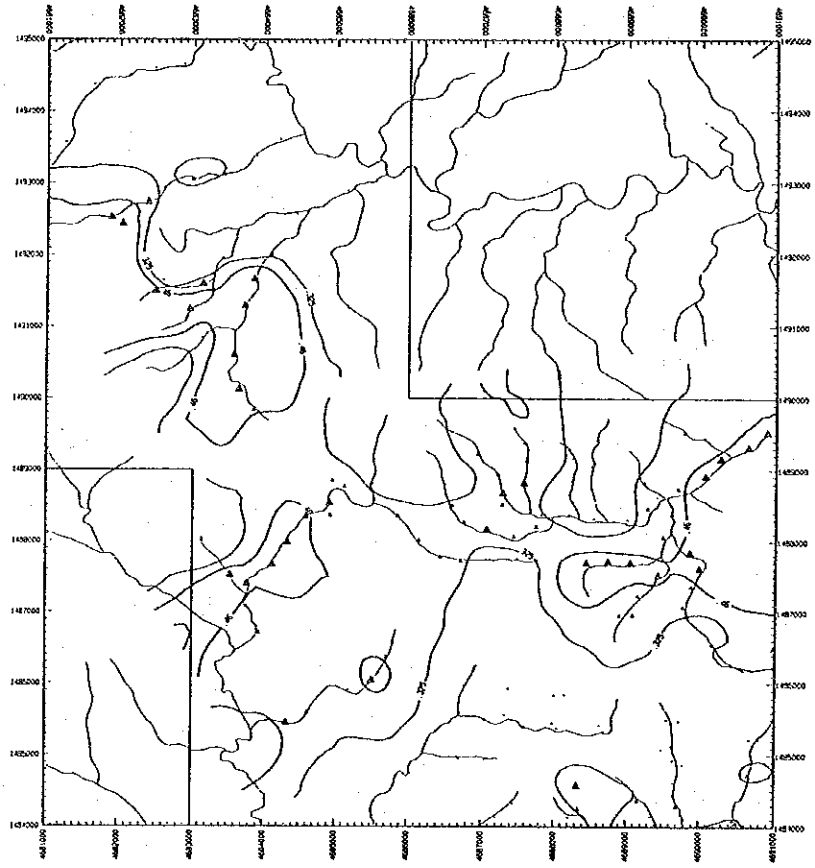
7.970
5.099



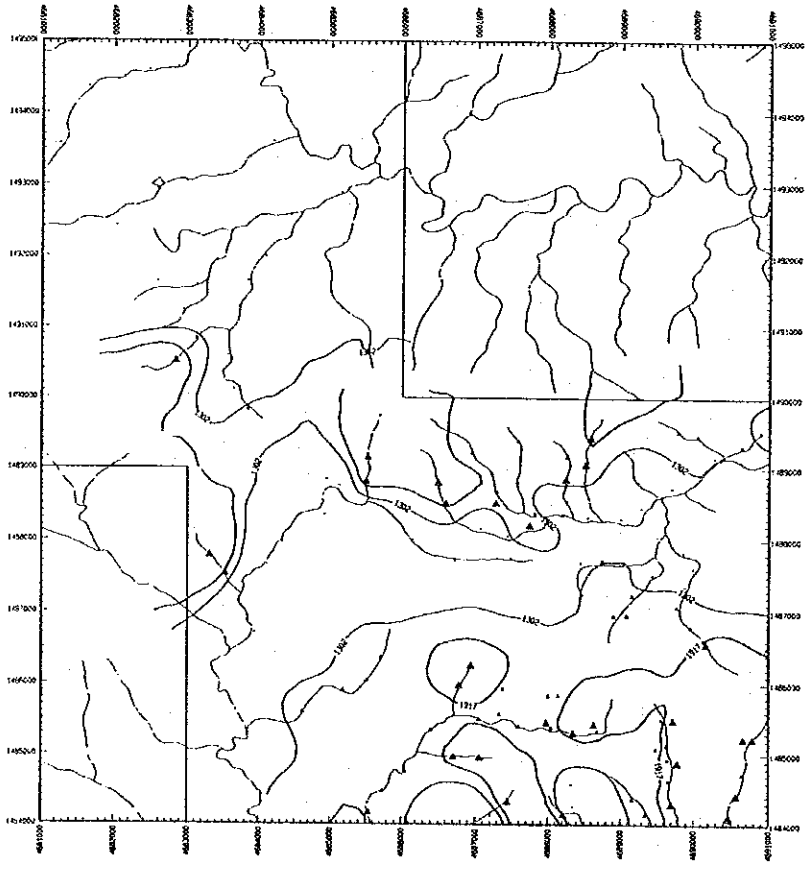
Mn

5659.000
2533.000
1751.000

Stream Sediments

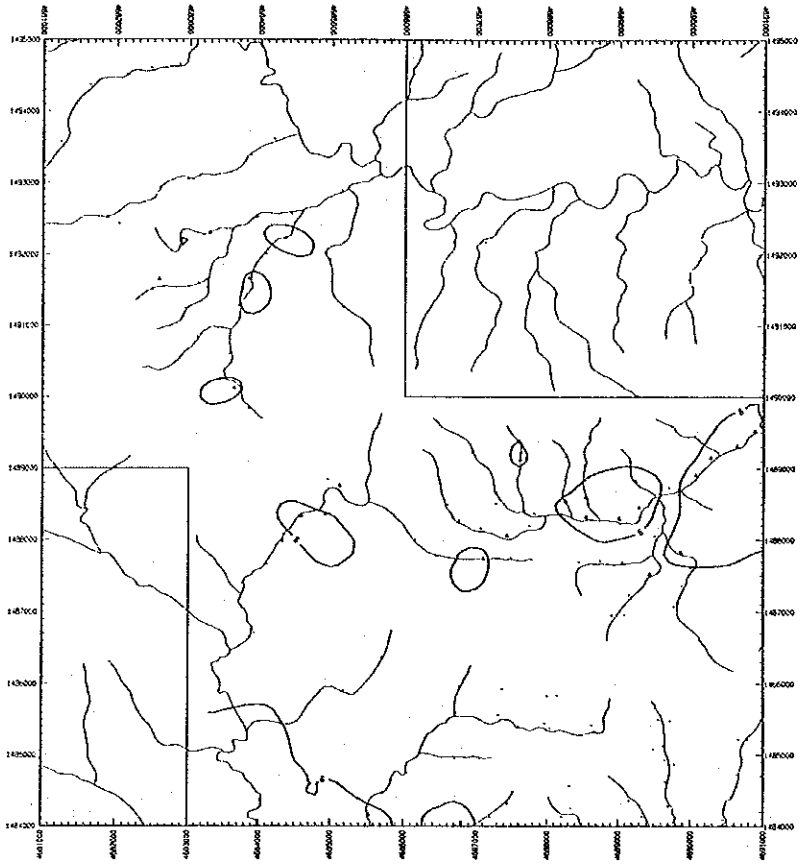


Na



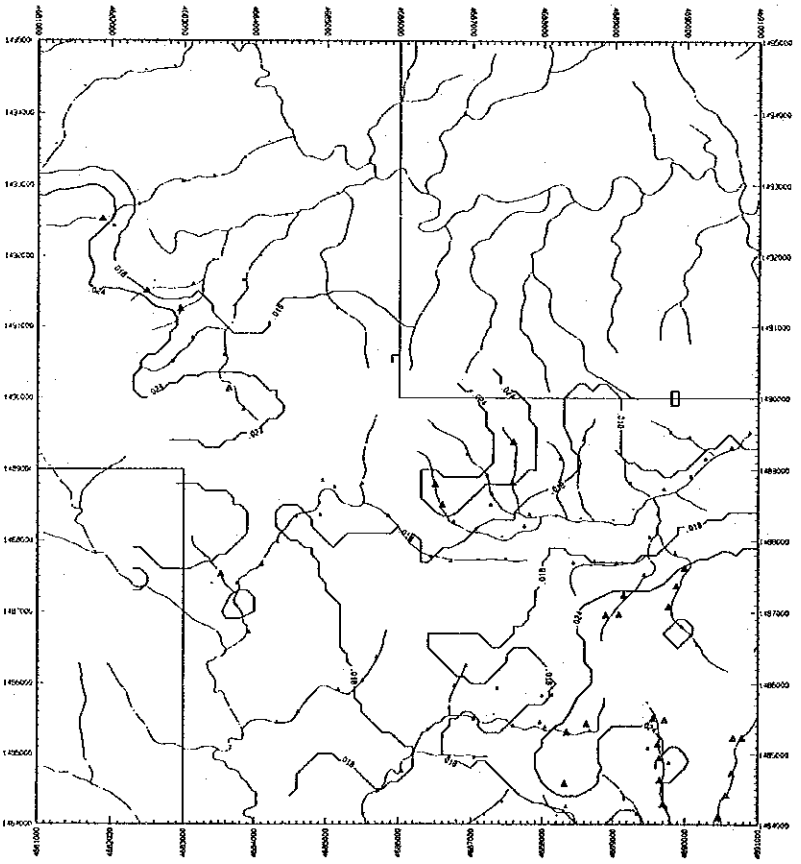
Ni

Stream Sediments



Pb

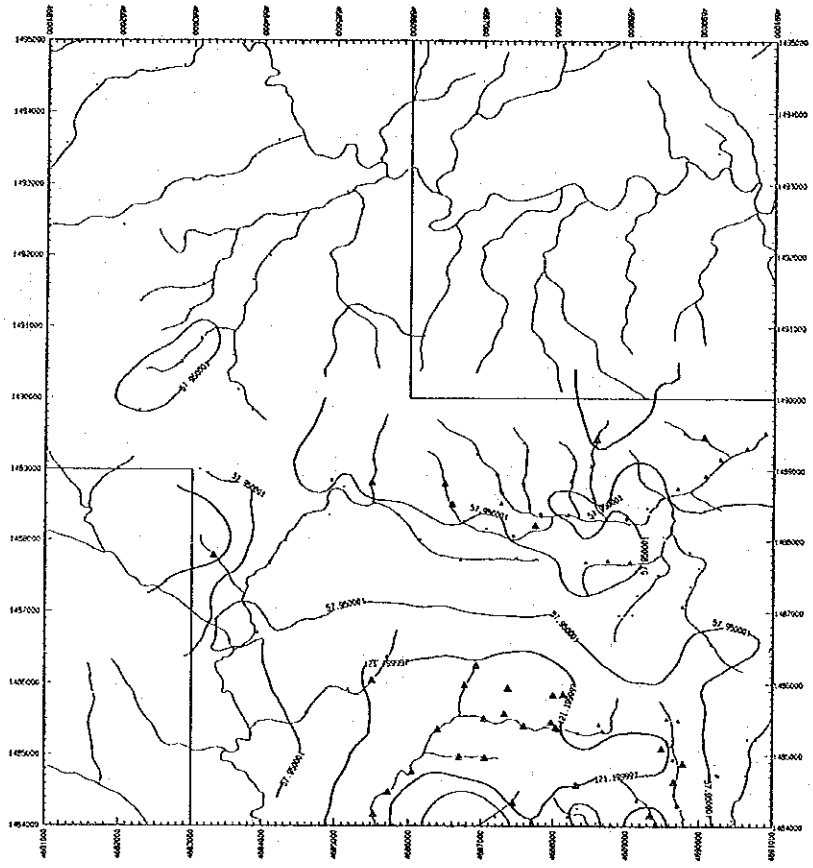
▲ 6.000



S

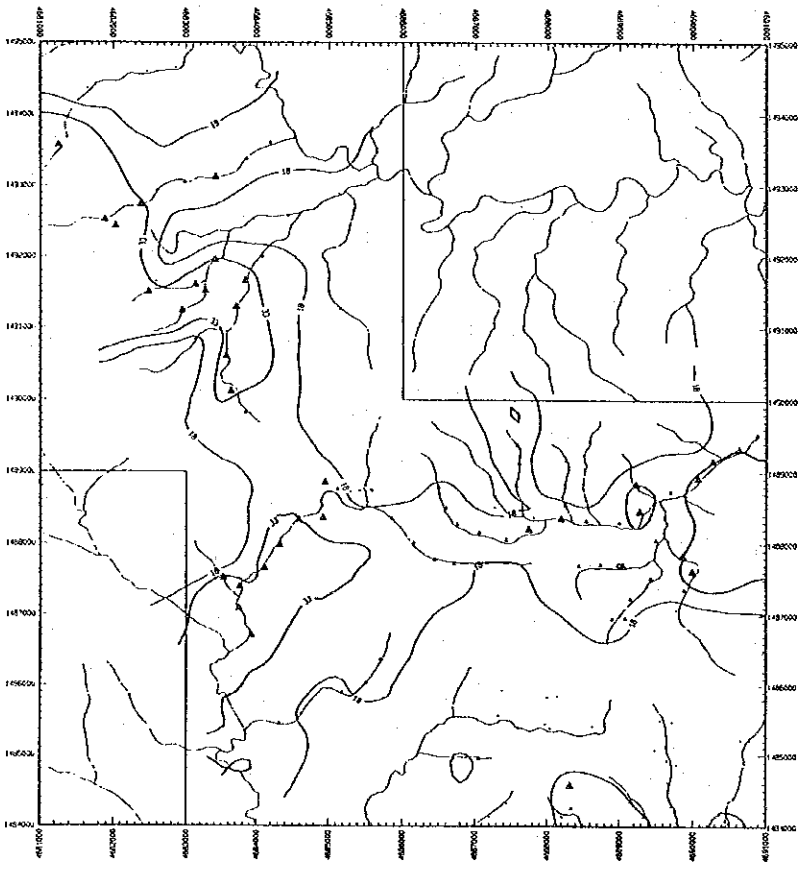
▲ .024
. .018

Stream Sediments



Sb

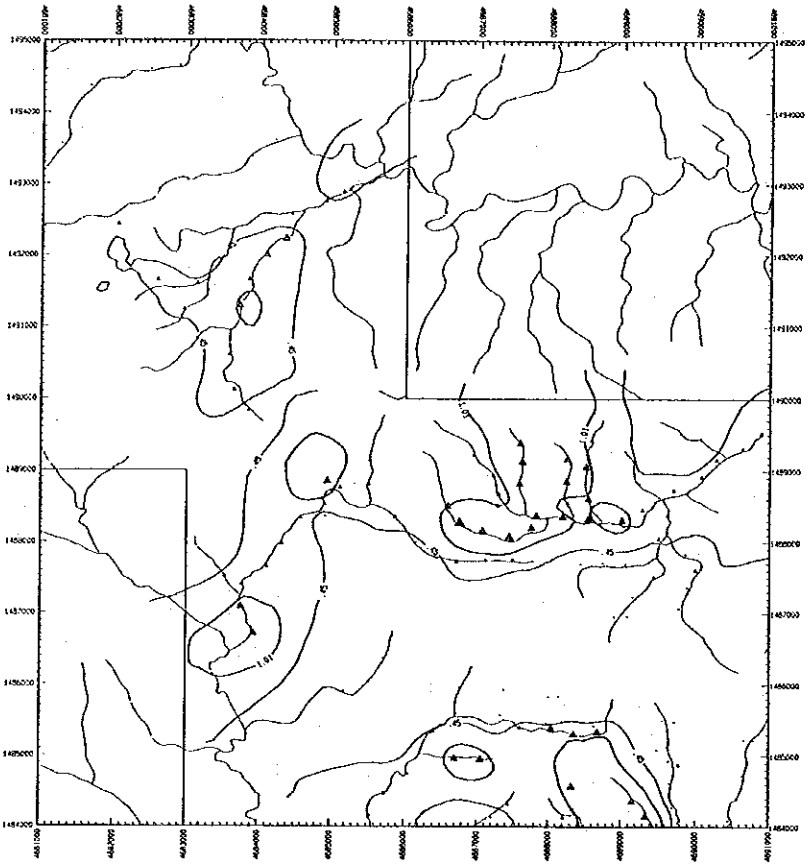
121.200
57.950



Sr

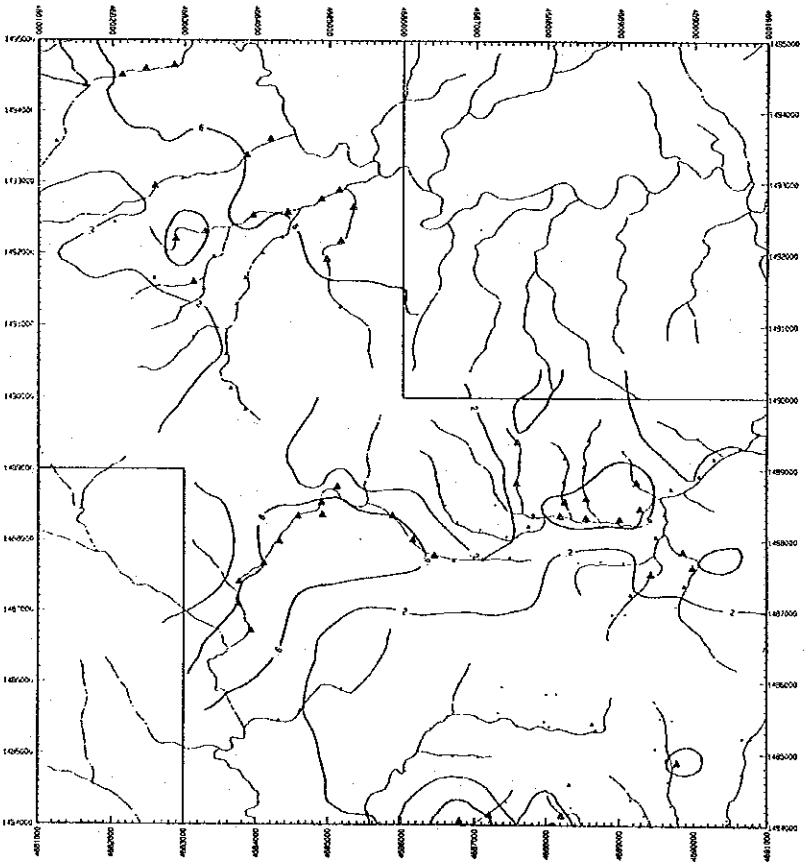
33.000
18.000

Stream Sediments



Ti

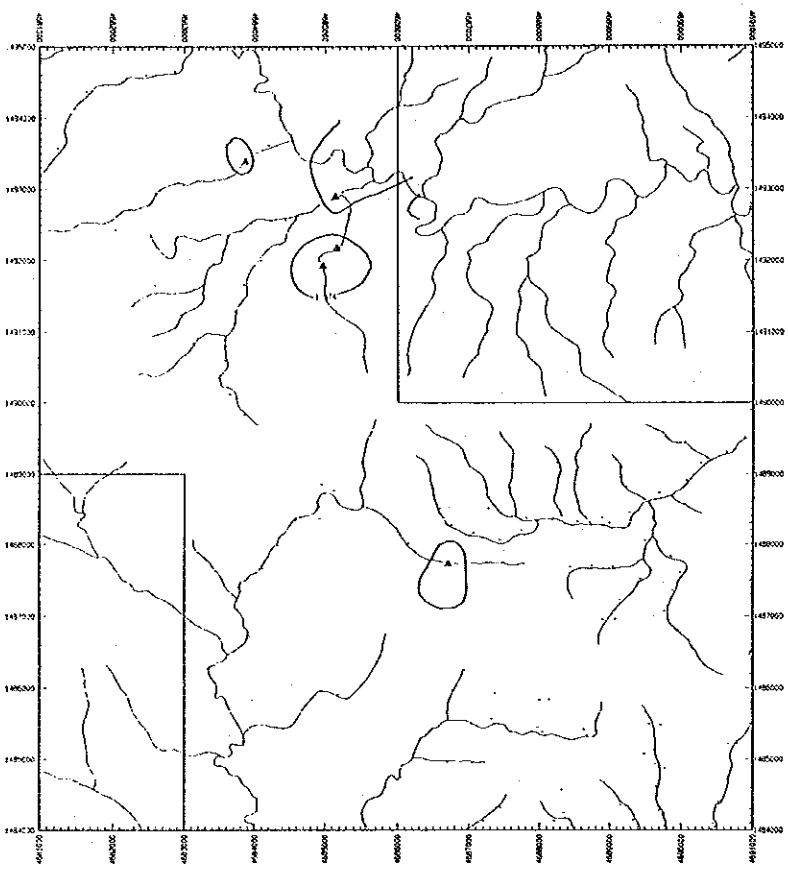
5.630
1.010
.450



U

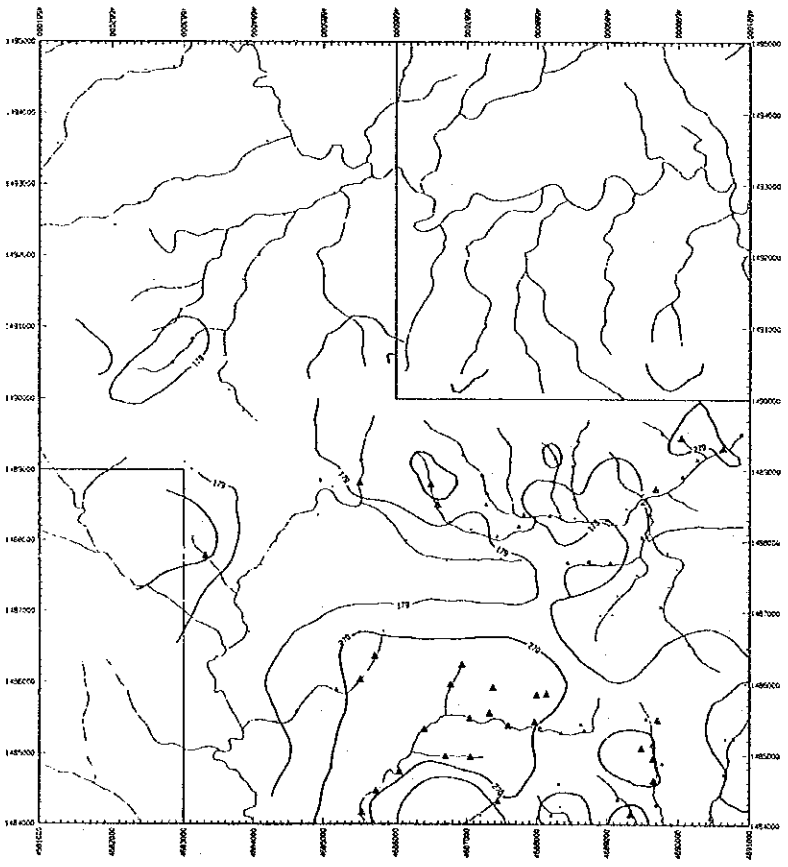
.600
.200

Stream Sediments



W

1.574



Zn

270.000

179.000

Appendix 27

List of stream sediment geochemical samples in Area R

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

Ser. No.	Sample No.	Coordinates N	Coordinates E	Name of Stream	Geology	Geol. Unit	Order	Width (m)	Flow *1	Size *2	Color
1	LR501	1494.65	4682.86	S. Randapan	———	P_2Cr	1	1.5	2	3	L.B.
2	LR502	1494.60	4682.46	S. Randapan	———	P_2Cr	1	2.5	2	3	L.B.
3	LR503	1494.51	4682.13	S. Randapan	———	P_2Cr	1	1.5	1	3	L.B.
4	LR504	1494.37	4681.64	S. Randapan	sandstone	P_2Cr	1	1.5	2	3	L.G.
5	LR505	1493.57	4681.25	S. Randapan	———	P_2Cr	1	1.5	2	3	Y.B.
6	LR506	1493.61	4684.19	S. Kelugu.K.	———	P_2Cr	2	4.0	2	1	Y.B.
7	LR507	1493.38	4683.86	S. Kelugu.K.	———	P_2Cr	2	3.0	2	1	B.
8	LR508	1493.12	4683.42	S. Kelugu.K.	———	P_2Cr	2	3.0	2	1	B.
9	LR509	1493.05	4682.98	S. Kelugu.K.	———	P_2Cr	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_2Cr	4	4.0	3	1	Y.B.
15	LR515	1492.76	4684.90	S. Kelugu.B.	———	P_2Cr	4	5.0	2	1	Y.B.
16	LR516	1492.57	4684.43	S. Kelugu.B.	———	P_2Cr	3	2.5	2	1	Y.B.
17	LR517	1492.53	4683.95	S. Kelugu.B.	———	P_2Cr	3	2.5	2	1	Y.B.
18	LR518	1492.30	4683.29	S. Kelugu.B.	———	P_2Cr	2	1.5	2	1	B.
19	LR519	1492.20	4682.88	S. Kelugu.B.	———	P_2Cr	1	1.0	1	1	Y.G.
20	LR520	1491.95	4683.41	S. Kelugu.B.	sandstone	P_2Cr	2	2.5	2	1	B.
21	LR521	1491.60	4683.13	S. Kelugu.B.	sandstone	P_2Cr	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_2Cr	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_2Cr	3	4.0	2	1	B.
27	LR527	1492.00	4684.08	S. Kelugu.B.	———	P_2Cr	3	4.0	3	1	B.
28	LR528	1491.66	4683.84	S. Kelugu.B.	sandstone	P_2Cr	3	3.0	3	1	B.
29	LR529	1491.29	4683.71	S. Kelugu.B.	———	P_2Cr	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_2Cr	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_2Cr	2	2.0	2	1	Y.B.
36	LR536	1492.17	4685.16	S. Kelugu.B.	———	P_2Cr	2	2.0	2	1	Y.B.
37	LR537	1491.92	4684.97	S. Kelugu.B.	———	P_2Cr	2	2.0	2	1	Y.B.
38	LR538	1491.26	4685.15	S. Kelugu.B.	———	P_2Cr	1	2.0	4	2	B.
39	LR539	1486.71	4683.93	S. Bangkulat	sandstone	P_2Cr	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 N	Coordinates E	Name of Stream	Geology	Geol. Unit	Order	Width (m)	Flow *1	Size *2	Color
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_2Cr	2	2.0	3	3	R.B.
60	LR560	1485.60	4684.62	S. Bangkulat	———	P_2Cr	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_2Cr	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 N	Coordinates E	Name of Stream	Geology	Geol. Unit	Order	Width (m)	Flow *1	Size *2	Color
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_2Cr	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	Location(km) 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	1494.650	4	1>	30	2	190	4	32	.07	.02	36	1>	.02	12	4	.005	3.5	7	.12	1.0	2>	1>
2	LR502	4682.460	1494.600	1>	1>	29	1>	393	4	23	.07	.02	32	1>	.02	15	3	.005	5.0	7	.10	1.2	2>	1>
3	LR503	4682.130	1494.510	1>	1>	28	11	885	11	37	.10	.45	207	1>	.04	78	3	.006	12.1	17	.16	.6	2>	17
4	LR504	4681.640	1494.370	1>	1>	29	5	254	7	32	.10	.22	119	1>	.04	31	2	.004	6.7	14	.13	.6	2>	1>
5	LR505	4681.250	1493.570	1>	1>	45	26	1014	25	36	.29	2.41	659	1>	.29	251	2>	.015	20.6	61	.28	.4	2>	57
6	LR506	4684.190	1493.610	1>	1>	28	28	1755	9	29	.14	2.64	435	1>	.14	306	3	.011	22.9	23	.18	1.0	2>	45
7	LR507	4683.860	1493.380	1>	1>	28	39	3166	12	32	.17	3.73	627	1>	.19	449	2>	.014	31.4	27	.20	.6	2	73
8	LR508	4683.420	1493.120	11	1>	33	78	5285	23	36	.21	5.57	1151	1>	.36	824	2>	.016	46.1	33	.29	.4	2>	132
9	LR509	4682.980	1493.050	3	1>	40	109	6470	30	42	.19	5.82	1677	1>	.39	1018	2>	.017	55.3	32	.35	.4	2>	159
10	LR510	4682.590	1492.940	3	1>	60	183	4385	32	48	.16	4.72	2744	1>	.29	1456	2	.012	43.8	17	.44	.6	2>	101
11	LR511	4682.370	1492.730	5	1>	256	100	5536	36	46	.28	6.10	1666	1>	.47	812	2>	.019	50.4	44	.37	.2>	2>	185
12	LR512	4682.030	1492.430	1	1>	497	80	2981	41	24	.70	4.99	1856	1>	.75	621	2>	.020	34.2	74	.46	.4	2>	130
13	LR513	4681.880	1492.520	1>	1>	176	89	4152	60	42	.18	8.59	1340	1>	.48	869	6	.031	39.9	46	.28	.2>	2>	156
14	LR514	4685.140	1492.890	1>	1>	26	32	3718	6	28	.10	1.86	661	1>	.12	284	2>	.007	35.0	17	.70	1.0	3	85
15	LR515	4684.900	1492.760	4	1>	31	26	2315	7	26	.12	1.47	571	1>	.10	265	3	.006	24.8	15	.57	1.2	2>	59
16	LR516	4684.430	1492.570	1>	1>	19	10	893	4	28	.06	.32	169	1>	.02	83	4	.003	10.9	7	.18	.6	2>	8
17	LR517	4683.950	1492.530	1>	1>	25	17	1484	6	29	.07	.61	203	1>	.03	136	6	.004	15.0	9	.21	.8	2>	27
18	LR518	4683.290	1492.300	4	1>	28	12	1638	7	32	.08	.36	276	1>	.07	110	6	.004	14.4	10	.41	.6	2>	20
19	LR519	4682.880	1492.200	1	1>	22	8	277	5	32	.08	1.13	99	1>	.02	129	9	.003	8.2	8	.16	1.2	2>	1>
20	LR520	4683.410	1491.950	12	1>	195	54	3810	18	42	.18	2.99	774	1>	.36	436	2>	.014	32.2	51	.37	.4	2>	104
21	LR521	4683.130	1491.600	6	1>	28	60	2763	24	46	.17	3.18	938	1>	.50	416	2>	.019	25.9	66	.47	.6	2>	95
22	LR522	4682.480	1491.500	1>	1>	25	65	4092	24	34	.23	5.49	1171	1>	.70	597	2>	.026	28.6	91	.39	.2>	2>	126
23	LR523	4682.580	1491.650	1>	1>	33	52	7186	9	34	.11	.96	1777	1>	.19	239	9	.004	92.5	16	.76	.4	2>	113
24	LR524	4683.270	1491.510	11	1>	296	79	6578	16	35	.26	3.36	713	1>	.41	686	2>	.017	48.8	47	.55	.2	2>	159
25	LR525	4682.950	1491.240	20	1>	480	116	5942	40	38	.28	4.63	1237	1>	.78	1025	2>	.027	41.4	82	.48	.2>	2>	173
26	LR526	4684.350	1492.230	3	1>	26	31	3392	6	27	.10	1.66	873	1>	.12	277	10	.005	31.8	15	1.18	.4	2>	59
27	LR527	4684.080	1492.000	1>	1>	154	68	5586	10	23	.18	5.44	1227	1>	.41	700	4	.014	46.7	30	1.27	.4	2>	123
28	LR528	4683.840	1491.660	13	1>	377	87	4446	19	31	.37	5.82	1377	1>	.66	868	8	.016	39.1	38	.97	.4	2>	116
29	LR529	4683.710	1491.290	8	1>	266	110	3904	24	24	.42	6.09	1906	1>	.76	925	7	.016	36.0	39	1.15	.4	2>	125
30	LR530	4683.570	1490.600	17	1>	764	106	4687	28	26	.44	6.78	1836	1>	.96	953	2>	.020	40.7	47	.77	.2	2>	142
31	LR531	4683.640	1490.120	16	1>	61	92	4950	31	26	.45	6.75	1874	1>	.87	837	11	.029	37.1	36	.73	.4	2>	149
32	LR532	4683.840	1489.830	8	1>	47	146	3859	40	26	.43	8.73	2393	1>	.45	1464	2>	.024	31.0	22	.33	.4	2>	131
33	LR533	4683.120	1490.840	5	1>	52	173	6953	17	39	.13	7.58	2276	1>	.27	1488	2>	.018	109.3	10	.38	.2>	2>	256
34	LR534	4682.840	1490.510	36	1>	15	244	6895	35	61	.06	9.17	2474	1>	.26	2610	3	.023	65.0	8	.21	.2>	2>	184
35	LR535	4685.330	1492.650	2	1>	30	1	354	4	24	.08	.21	42	1>	.02	33	5	.005	7.0	8	.13	1.2	2>	1>
36	LR536	4685.160	1492.170	1>	1>	32	1>	391	5	26	.11	.10	39	1>	.01	19	5	.005	5.3	9	.15	1.2	2	1>
37	LR537	4684.970	1491.920	10	1>	35	35	3536	8	26	.15	2.43	339	1>	.11	346	6	.012	30.7	16	.15	.8	4	59
38	LR538	4685.150	1491.260	1>	1>	33	110	7086	14	33	.20	7.23	1186	1>	.23	1086	2>	.021	57.8	11	.18	.4	2>	169
39	LR539	4683.930	1486.710	1>	1>	56	75	7019	23	36	.34	4.09	1780	1>	.40	664	2>	.022	58.1	36	1.25	.8	2>	162
40	LR540	4683.750	1487.090	6	1>	57	89	7018	25	49	.42	3.73	1706	1>	.44	718	2>	.016	63.7	33	1.07	.6	2>	165
41	LR541	4683.760	1487.400	1	1>	67	73	5263	26	35	.49	3.43	1590	1>	.46	588	2>	.018	42.0	34	1.00	.8	2>	129
42	LR542	4684.110	1487.660	14	1>	78	76	3839	30	46	.59	3.53	1492	1>	.50	619	4	.019	33.2	35	.67	.6	2>	112
43	LR543	4684.320	1487.980	10	1>	71	76	4225	28	37	.56	3.57	1487	1>	.48	591	3	.018	37.6	35	.74	.8	2>	121
44	LR544	4684.580	1488.340	2	1>	87	75	3212	33	39	.67	3.46	1538	1>	.49	648	15	.017	29.3	33	.61	.8	2>	102
45	LR545	4684.910	1488.530	1>	1	94	92	4139	36	51	.75	3.19	1438	1>	.46	687	2	.018	33.2	31	.64	1.0	2>	117
46	LR546	4685.120	1488.760	4	1>	85	82	4477	31	44	.61	3.12	1460	1>	.42	614	7	.019	36.1	30	.72	.6	2>	121
47	LR547	4685.860	1488.350	2	1>	91	107	3309	46	51	.73	3.02	1497	1>	.43	806	4	.019	29.9	32	.48	.8	2>	116
48	LR548	4686.150	1488.010	10	1>	103	102	2762	50	50	.86	2.77	1435	1>	.44	767	4	.016	23.6	31	.37	.8	2>	89
49	LR549	4686.440	1487.780	8	1>	88	94	4611	41	54	.65	3.24	1304	1>	.38	753	4	.018	34.2	28	.33	.6	2>	135
50	LR550	4686.710	1487.720	10	1>	72	125	3154	75	45	.61	4.54	2241	1>	.37	1025	6	.016	34.3	30	.49	.4	5	135

List of Geochemical Analysis(2)

Ser. No.	Sample No.	Location(km) X-coord	Location(km) 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
51	LR551	4687.100	1487.740	1>	1>	64	103	3733	79	46	.49	4.69	2077	1>	.23	971	11	.015	36.9	16	.49	.2	2>	163
52	LR552	4687.480	1487.750	4	1	66	94	3164	79	37	.52	5.34	2035	1>	.27	939	2>	.015	30.9	16	.45	.4	2>	147
53	LR553	4683.530	1487.520	14	1>	14	236	6899	59	44	.17	6.99	2877	1>	.72	2014	2>	.026	52.3	59	.52	.2>	2>	174
54	LR554	4683.310	1487.780	41	1>	15	442	6751	47	72	.04	8.66	4549	1>	.24	3465	2>	.016	155.1	4	.28	.2>	2>	292
55	LR555	4684.920	1488.360	10	1	116	26	317	25	34	.81	2.07	611	1>	.36	209	9	.018	11.4	33	.30	1.6	2>	40
56	LR556	4684.950	1488.850	1>	1>	17	88	6930	9	26	.11	4.03	2208	1>	.35	676	2>	.020	96.7	33	2.87	.2>	2>	179
57	LR557	4685.500	1488.810	26	2	8	285	6783	45	78	.04	7.44	2792	1>	.30	2543	2>	.021	122.9	5	.91	.2>	2>	278
58	LR558	4685.520	1489.150	16	1>	8	326	6807	54	112	.04	6.50	3133	1>	.25	2624	2>	.022	99.0	4	.71	.2>	2>	223
59	LR559	4684.320	1485.450	17	1>	56	111	6273	26	41	.47	7.41	1409	1>	.46	1108	9	.021	44.1	28	.37	.4	2>	150
60	LR560	4684.620	1485.600	29	1>	39	242	6954	33	61	.25	6.84	1838	1>	.34	1806	2>	.018	104.2	16	.26	.2	2>	262
61	LR561	4685.180	1485.910	37	1>	566	140	6962	14	21	.08	9.62	1134	1>	.32	1391	4	.019	88.2	15	.13	.2>	2>	238
62	LR562	4685.510	1486.040	40	1>	1441	177	6879	19	34	.16	7.33	1150	1>	.61	1507	2>	.017	150.9	32	.15	.2>	2>	340
63	LR563	4685.710	1486.370	43	1>	1110	154	6930	18	26	.12	7.97	1164	1>	.44	1427	2>	.017	114.3	24	.12	.2>	2>	282
64	LR564	4690.880	1489.520	22	1>	654	160	6915	99	54	.49	6.41	2702	1>	.46	1287	6	.018	72.0	31	.61	.2	2>	257
65	LR565	4690.630	1489.310	29	1>	948	152	6884	82	60	.47	5.81	2209	1>	.51	1337	12	.017	95.2	34	.82	.2	2>	277
66	LR566	4690.270	1489.150	26	1	1211	152	6899	105	49	.54	6.21	2521	1>	.60	1227	7	.016	70.9	40	.66	.4	2>	242
67	LR567	4690.070	1488.910	38	1>	1199	150	6905	108	52	.58	6.16	2585	1>	.62	1300	11	.016	62.7	41	.60	.2	2>	231
68	LR568	4689.700	1488.730	25	1>	746	136	6913	75	31	.33	5.77	2641	1>	.42	1045	4	.017	115.0	29	.72	.2	2>	304
69	LR569	4689.280	1488.450	19	1>	1107	28	1569	33	36	1.62	1.66	1242	1>	.43	228	22	.014	17.6	52	.46	2.2	2>	110
70	LR570	4689.000	1488.300	16	1>	825	105	6958	43	87	.36	1.56	3205	1>	.26	755	19	.012	89.5	27	2.20	.8	2>	210
71	LR571	4688.540	1488.320	22	1	489	90	4877	49	60	.46	1.96	1750	1>	.21	762	13	.013	37.8	30	1.05	1.0	2>	122
72	LR572	4688.190	1488.350	11	1	521	168	6875	41	58	.36	3.20	3151	1>	.30	1360	5	.015	76.1	34	1.69	.8	2>	179
73	LR573	4687.740	1488.200	38	1>	1098	273	6782	52	75	.28	3.78	3291	1>	.43	1971	2	.018	137.2	34	1.51	.4	2>	268
74	LR574	4687.430	1488.060	42	1>	1276	209	6772	46	63	.19	1.63	5904	1>	.42	1281	7	.014	79.9	31	6.34	.2>	2>	234
75	LR575	4687.060	1488.160	38	1>	1611	36	2831	65	127	.17	.28	2472	1>	.46	497	2	.018	26.3	30	3.89	.2>	2>	108
76	LR576	4686.750	1488.270	34	1	1433	104	6697	52	135	.14	.38	4253	1>	.36	1238	5	.023	56.3	26	5.72	.2>	2>	173
77	LR577	4686.590	1488.500	54	1>	986	203	6776	46	77	.11	4.26	1465	1>	.42	2331	2>	.028	126.7	24	1.11	.2>	2>	299
78	LR578	4686.490	1488.790	68	1>	1233	275	6788	59	108	.07	2.75	1577	1>	.16	2527	2>	.025	131.9	23	.36	.2	2>	307
79	LR579	4690.050	1489.450	15	1>	574	200	6932	18	31	.08	7.59	1874	1>	.30	1898	5	.023	127.4	13	.16	.2>	2>	286
80	LR580	4689.790	1489.520	27	1>	762	164	6915	17	33	.10	8.77	2053	1>	.35	1773	2>	.023	104.8	16	.15	.2>	2>	260
81	LR581	4689.620	1488.380	1>	2	59	134	6465	105	59	.46	6.56	2533	1>	.38	1127	3	.017	47.0	23	.47	.2	2>	183
82	LR582	4689.860	1487.830	8	1>	70	88	4603	60	26	.72	5.21	1565	1>	.49	730	15	.018	36.3	33	.38	.6	2>	147
83	LR583	4689.990	1487.610	13	1>	77	74	2681	92	35	.85	6.04	1633	1>	.84	683	5	.028	29.5	45	.45	.6	2>	133
84	LR584	4689.880	1487.360	1>	1	57	118	3661	50	34	.33	6.22	2077	1>	.34	1122	2>	.027	29.0	30	.27	.4	2>	109
85	LR585	4689.770	1487.070	16	1>	12	207	6962	25	40	.11	10.34	1935	1>	.40	1910	2>	.026	61.9	13	.18	.2>	2>	196
86	LR586	4689.950	1486.800	26	1>	6	181	6973	19	37	.04	9.60	1713	1>	.27	1770	2>	.023	56.6	8	.13	.2>	2>	172
87	LR587	4690.160	1486.550	18	1>	7	220	6962	22	32	.04	10.64	2016	1>	.33	1990	2>	.024	64.1	9	.14	.2>	2>	189
88	LR588	4689.500	1488.050	17	1>	70	151	6963	106	44	.02	6.04	2771	1>	.38	1244	3	.016	55.7	21	.51	.2	2>	196
89	LR589	4689.050	1487.690	7	1>	46	192	6950	42	40	.25	5.24	3682	1>	.52	1372	2>	.018	89.9	36	.24	.2>	2>	217
90	LR590	4688.740	1487.710	5	1>	55	174	6937	45	46	.34	6.02	2890	1>	.60	1359	5	.018	97.5	32	.26	.2>	2>	255
91	LR591	4688.440	1487.690	5	1>	41	167	6962	42	29	.23	5.74	2999	1>	.61	1233	2>	.020	73.7	31	.25	.2>	2>	209
92	LR592	4689.430	1487.520	16	1>	69	88	3465	37	29	.92	8.43	1526	1>	.53	1094	8	.020	26.5	29	.29	.6	2>	128
93	LR593	4689.150	1487.230	1>	1>	20	97	5039	21	26	.22	10.26	1375	1>	.38	1304	2>	.027	26.5	22	.19	.2	2>	134
94	LR594	4689.080	1486.960	8	1>	12	114	5351	22	33	.12	11.14	1443	1>	.42	1543	2>	.028	27.4	19	.18	.2>	2>	138
95	LR595	4688.900	1486.950	21	1>	20	97	4938	22	28	.20	10.44	1396	1>	.40	1387	2>	.026	34.5	22	.19	.2>	2>	128
96	LR596	4689.230	1488.820	6	1>	229	36	2059	29	51	1.36	1.97	1055	1>	.37	325	20	.016	21.0	42	.43	2.2	2>	92
97	LR597	4688.540	1488.600	9	1>	91	127	6986	60	63	.64	2.18	4716	1>	.16	1116	18	.010	87.8	12	1.01	1.0	2>	207
98	LR598	4688.510	1489.050	14	1>	39	222	6897	72	112	.23	2.17	3070	1>	.19	2135	4	.018	101.1	7	1.12	.4	2>	210
99	LR599	4688.580	1489.420	15	2	23	261	6918	75	83	.09	1.74	2713	1>	.19	1971	2>	.016	139.7	4	.95	.4	2>	237
100	LR600	4688.250	1488.550	3	1>	110	19	1168	46	62	.70	.66	1020	1>	.13	123	19	.007	9.7	26	.52	1.8	2>	35

List of Geochemical Analysis(3)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) 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
101	LR601	4688.240	1488.840	15	1>	52	191	7058	55	472	.12	3.74	2442	1>	.28	2068	2>	.024	119.1	12	1.72	.2	2>	204
102	LR602	4688.250	1489.160	14	1>	8	154	7245	84	249	.05	.51	1645	1>	.32	1422	2>	.021	55.8	2	1.15	.2	2>	143
103	LR603	4687.810	1488.370	1>	1>	31	239	7119	45	143	.16	3.28	3346	1>	.32	1713	2>	.016	99.4	14	1.74	.4	2>	217
104	LR604	4687.570	1488.810	1	1>	63	155	7150	34	128	.45	3.66	2261	1>	.46	1447	4	.026	68.3	31	2.15	.8	2>	208
105	LR605	4687.610	1489.120	2	1>	57	153	7112	30	99	.43	3.88	2382	1>	.38	1386	12	.024	91.2	31	2.65	.2	2>	244
106	LR606	4687.580	1489.380	1	1>	57	156	7112	26	90	.41	3.91	2567	1>	.45	1382	6	.025	87.7	32	2.74	.6	2>	241
107	LR607	4687.280	1488.670	1>	1>	10	205	7147	37	129	.06	6.79	1707	1>	.47	1877	2>	.023	104.0	11	.69	.2>	2>	260
108	LR608	4687.210	1488.930	8	1>	8	183	7152	39	135	.05	6.58	1436	1>	.41	1888	2>	.024	107.3	11	.69	.2>	2>	256
109	LR609	4686.940	1489.220	1>	1>	29	183	7150	37	110	.06	6.54	1613	1>	.37	1806	2>	.022	101.5	12	.69	.2>	2>	253
110	LR610	4687.270	1488.510	10	1>	19	205	7146	42	144	.08	6.38	1657	1>	.45	1966	2>	.023	88.0	12	.62	.2>	2>	225
111	LR611	4685.540	1484.160	1>	1>	23	220	7139	47	200	.09	4.70	2278	1>	.15	1919	13	.012	138.8	8	.64	.2	2>	290
112	LR612	4685.730	1484.470	8	1>	14	171	7136	35	154	.07	8.06	1623	1>	.30	1627	2>	.019	140.7	7	.58	.2>	2>	293
113	LR613	4686.050	1484.750	9	1>	6	198	7113	49	141	.04	7.94	1851	1>	.23	1860	3	.019	137.2	6	.52	.2>	2>	313
114	LR614	4686.400	1485.350	8	1>	5	142	7165	19	75	.04	7.36	1514	1>	.22	1331	2>	.016	126.2	4	.51	.2>	2>	299
115	LR615	4689.780	1484.870	41	1	17	464	7036	65	130	.05	4.70	2985	1>	.15	4126	2>	.019	123.3	8	.45	.6	2>	243
116	LR616	4687.040	1485.500	1>	1>	12	191	7122	24	95	.06	8.40	2044	1>	.28	1811	2>	.019	147.2	6	.40	.2>	2>	324
117	LR617	4687.590	1485.400	10	1>	12	204	7090	46	98	.06	6.85	1787	1>	.21	1737	2>	.018	166.2	4	.76	.2>	2>	349
118	LR618	4688.040	1485.380	9	1>	6	201	7116	123	120	.05	4.12	1853	1>	.24	1788	2>	.023	121.2	3	1.06	.2>	2>	247
119	LR619	4688.350	1485.300	14	1>	15	208	7126	111	119	.06	2.61	1820	1>	.21	1917	2>	.026	108.4	3	1.11	.2>	2>	217
120	LR620	4688.680	1485.330	1>	1>	13	216	7063	358	228	.06	3.97	2383	1>	.17	1867	2>	.023	119.0	4	1.92	.2	2>	231
121	LR621	4686.700	1484.960	1>	1>	9	255	6846	50	88	.05	6.89	2998	1>	.23	2467	2>	.019	252.6	26	1.75	.2>	2>	343
122	LR622	4687.050	1484.950	1>	1>	8	236	6792	30	131	.05	6.40	2731	1>	.21	2399	2>	.020	308.6	22	1.98	.2>	2>	390
123	LR623	4686.770	1485.970	8	1>	11	238	7066	21	117	.05	8.80	2064	1>	.22	2366	2>	.016	151.2	5	.16	.2>	2>	357
124	LR624	4686.930	1486.250	12	1>	13	229	7091	19	56	.06	8.26	2056	1>	.26	2443	2>	.019	125.0	6	.14	.2>	2>	322
125	LR625	4687.320	1485.570	17	1>	5	171	7103	13	57	.04	7.91	1249	1>	.24	1739	2>	.015	189.1	3	.10	.2>	2>	399
126	LR626	4687.370	1485.930	7	1>	5	199	7073	20	102	.04	7.54	1396	1>	.24	1809	2	.017	180.9	4	.13	.2>	2>	405
127	LR627	4687.970	1485.450	3	2	32	299	7151	54	127	.06	2.66	1392	1>	.18	1996	2>	.020	125.5	3	.22	.2>	2>	270
128	LR628	4688.000	1485.830	1>	1>	11	151	7178	20	83	.06	4.99	557	1>	.18	1567	2>	.017	158.7	3	.11	.2>	2>	372
129	LR629	4688.140	1485.840	1>	1>	16	195	7172	27	81	.06	6.69	1014	1>	.27	1812	2>	.018	125.2	4	.15	.2>	2>	316
130	LR630	4688.630	1485.420	30	1>	7	392	7087	86	171	.04	1.03	2073	1>	.24	3618	2>	.034	85.8	2	.36	.2	2>	182
131	LR631	4686.800	1484.050	9	1>	56	53	2003	23	115	.30	.90	652	1>	.09	541	9	.008	18.4	15	.28	1.0	2>	35
132	LR632	4687.200	1484.130	5	1>	49	50	3237	16	84	.23	.83	690	1>	.06	499	5	.007	20.7	13	.27	.8	2>	35
133	LR633	4687.440	1484.320	1>	1>	15	488	6924	64	122	.05	7.05	4252	1>	.19	4263	2>	.015	187.7	4	.52	.2>	2>	312
134	LR634	4688.340	1484.250	1>	1>	28	98	4143	53	148	.31	1.74	1167	1>	.34	511	2>	.018	31.5	29	.98	.2>	2>	93
135	LR635	4688.320	1484.570	1>	1>	19	116	7095	21	72	.21	3.65	1686	1>	.51	890	2>	.037	162.9	41	1.34	.2	2>	249
136	LR636	4688.210	1484.130	21	1>	57	342	7089	49	82	.33	4.06	3022	1>	.20	2710	2>	.015	96.1	17	.51	.8	2>	189
137	LR637	4689.340	1484.140	1>	1>	20	177	6863	45	72	.14	3.78	4690	1>	.25	1399	2>	.017	207.8	20	4.39	.2>	2>	366
138	LR638	4689.160	1484.360	1>	1	17	216	7058	76	84	.13	4.72	4336	1>	.34	1693	2>	.017	95.7	18	2.97	.2>	2>	248
139	LR639	4689.700	1484.280	8	1>	10	184	7115	28	67	.07	11.81	2172	1>	.33	2338	3	.025	75.4	10	.22	.2>	2>	219
140	LR640	4689.660	1484.620	1>	1>	8	159	7112	18	56	.05	12.48	1827	1>	.24	1789	2>	.025	127.9	8	.21	.2>	2>	301
141	LR641	4689.650	1484.930	2	1>	6	156	7139	18	66	.05	12.89	1855	1>	.31	1854	2>	.028	99.6	11	.20	.2	2>	275
142	LR642	4689.630	1485.130	15	1>	11	141	7190	18	60	.06	13.52	1714	1>	.29	1827	2>	.026	84.4	8	.16	.2>	2>	260
143	LR643	4689.720	1485.480	1	1>	8	177	7173	21	61	.04	12.24	2050	1>	.20	2063	2>	.025	98.9	6	.16	.2>	2>	274
144	LR644	4689.490	1485.080	1>	1>	34	193	6980	14	44	.04	9.59	2101	1>	.16	1805	2>	.018	266.2	5	.17	.2>	2>	460
145	LR645	4689.560	1485.500	3	1>	9	137	7190	18	63	.05	13.94	1674	1>	.27	1862	3	.026	63.0	8	.15	.2>	2>	213
146	LR646	4690.450	1484.090	18	1	9	180	7160	28	49	.10	12.93	2131	1>	.34	1970	2>	.025	54.5	22	.27	.2>	2>	205
147	LR647	4690.560	1484.410	1>	1>	9	158	6641	20	46	.05	16.86	1709	1>	.23	2142	2>	.034	23.8	12	.16	.2>	2>	174
148	LR648	4690.640	1484.720	13	1>	12	139	7163	18	45	.06	15.95	1640	1>	.37	1912	2>	.031	28.0	9	.14	.2>	2>	180
149	LR649	4690.660	1485.220	14	1>	8	142	5556	17	87	.05	16.41	1628	1>	.28	1952	2>	.032	12.6	9	.15	.2>	2>	157
150	LR650	4690.780	1485.220	4	1>	18	197	6670	21	122	.05	14.90	2389	1>	.29	2170	2>	.029	23.7	9	.17	.2>	2>	171

Appendix 29

List of soil geochemical samples in Area S

Area: Tributary of S. Imbak (Area S)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
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	———	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	———	KPSp	30	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)

Appendix 30

Analytical results of soil geochemical samples in Area S

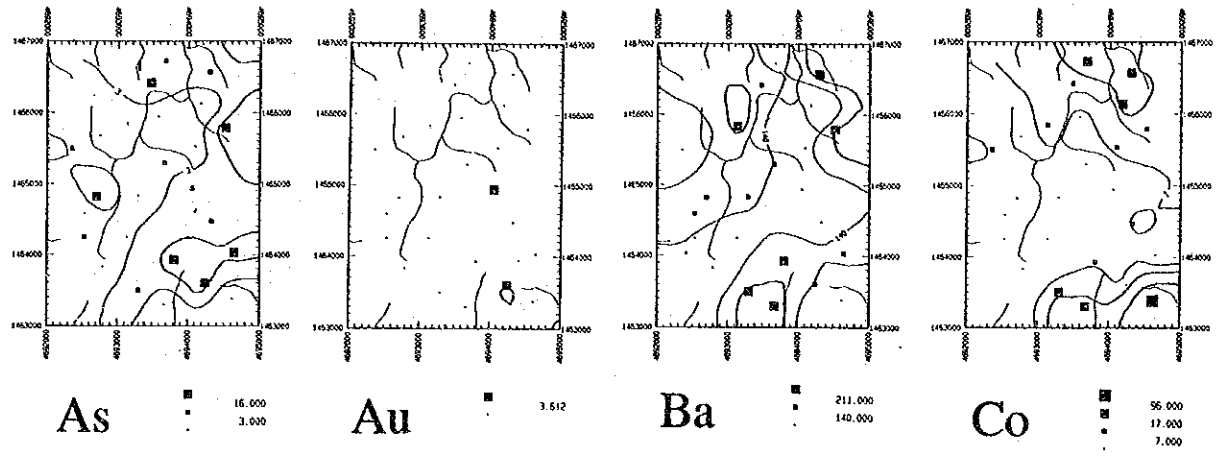
List of Geochemical Analysis(1)

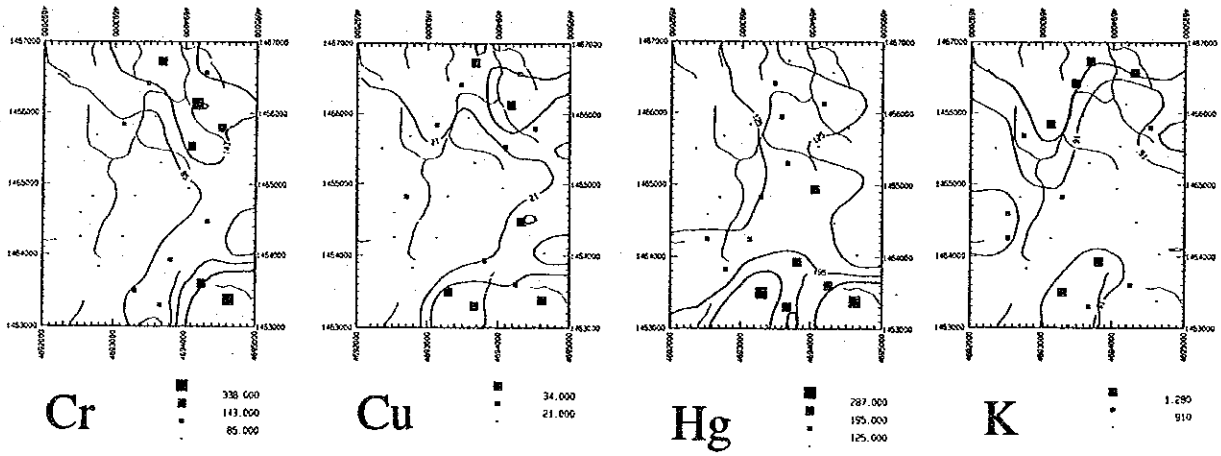
Ser. No.	Sample No.	Location(km) X-coord	Location(km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
1	LS001	4693.480	1466.420	16	1>	207	10	136	23	145	1.37	.41	152	3	.33	85	36	.015	2.0	39	.37	4.8	2>	33
2	LS002	4693.680	1466.730	10	1>	122	29	242	34	122	1.30	2.53	1410	1>	1.36	126	33	.032	11.7	77	.35	6.0	2>	88
3	LS003	4694.180	1466.130	1>	1>	37	21	436	97	172	.18	1.63	514	1>	.64	238	4	.026	8.8	14	.71	.4	2>	148
4	LS004	4694.300	1466.570	13	1>	274	17	121	32	114	1.51	.59	364	2	.35	69	32	.015	10.7	52	.49	2.6	2>	64
5	LS005	4692.350	1465.500	3	1>	115	7	54	18	98	.78	.45	94	1>	.13	26	15	.016	4.6	27	.30	2.2	2>	50
6	LS006	4692.750	1465.680	1>	1>	133	3	73	18	118	1.01	.56	65	1	.12	25	18	.013	3.2	30	.32	2.6	2>	47
7	LS007	4693.130	1465.840	1>	1>	258	14	85	32	116	2.03	.93	319	2	.39	41	23	.035	4.4	25	.46	2.6	2>	65
8	LS008	4693.580	1465.950	1>	1>	130	4	54	14	165	.84	.43	99	1>	.16	19	15	.012	3.7	13	.34	2.2	4	24
9	LS009	4693.670	1465.300	3	1>	140	4	52	7	126	.66	.32	41	1>	.11	15	18	.013	4.1	9	.35	2.2	2>	8
10	LS010	4694.100	1465.530	1>	1>	139	11	231	25	106	.79	.53	121	1	.24	148	22	.012	3.8	20	.50	2.2	2>	47
11	LS011	4694.520	1465.790	34	1>	222	12	143	25	122	1.20	.49	150	4	.27	86	28	.013	9.0	40	.43	2.8	2>	53
12	LS012	4692.530	1464.590	1>	1>	155	3	71	9	108	1.01	.43	33	1>	.15	19	20	.013	2.4	32	.39	2.6	2>	4
13	LS013	4692.530	1464.250	3	1>	138	3	84	9	147	1.07	.51	31	1>	.10	23	20	.016	4.5	48	.33	2.2	6	10
14	LS014	4692.700	1464.820	16	1>	177	6	67	21	103	.87	.46	95	2	.16	29	20	.014	2.2	31	.34	2.0	2>	23
15	LS015	4693.130	1464.250	2	1>	110	1>	50	6	125	.56	.22	19	1>	.08	14	16	.014	2.3	16	.32	2.6	2>	1>
16	LS016	4693.290	1464.830	1	1>	145	5	77	16	125	.91	.43	198	1>	.13	21	24	.017	2.7	16	.39	3.0	2>	28
17	LS017	4694.060	1464.940	11	10	99	1>	61	4	198	.41	.25	31	1>	.09	15	23	.014	2.3	10	.36	2.2	2>	2
18	LS018	4694.330	1464.470	7	1>	98	9	99	38	116	.40	.43	314	1>	.20	86	25	.023	2.7	7	.41	1.2	2>	100
19	LS019	4694.650	1464.030	21	1>	190	4	80	17	94	.90	.15	29	4	.21	20	18	.014	5.1	73	.36	2.2	2>	11
20	LS020	4692.790	1463.830	1	1>	75	1>	45	5	157	.31	.20	17	1>	.06	14	8	.010	.9	23	.28	1.6	2	1>
21	LS021	4693.300	1463.500	10	1>	224	17	88	41	595	1.28	.64	389	1>	.41	47	20	.022	6.3	36	.50	2.4	2>	98
22	LS022	4693.810	1463.930	54	1>	211	8	107	21	256	1.40	.41	292	1>	.26	31	22	.022	4.5	77	.43	3.0	2>	43
23	LS023	4693.670	1463.300	1>	1>	227	22	88	73	195	.94	.60	1063	2	.29	46	16	.017	4.5	13	.50	2.0	2>	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	3	29
25	LS025	4694.620	1463.380	1>	3	17	656	7121	112	734	.06	.06	2950	1>	.12	4287	2>	.049	101.8	2	.05	.2>	2>	308

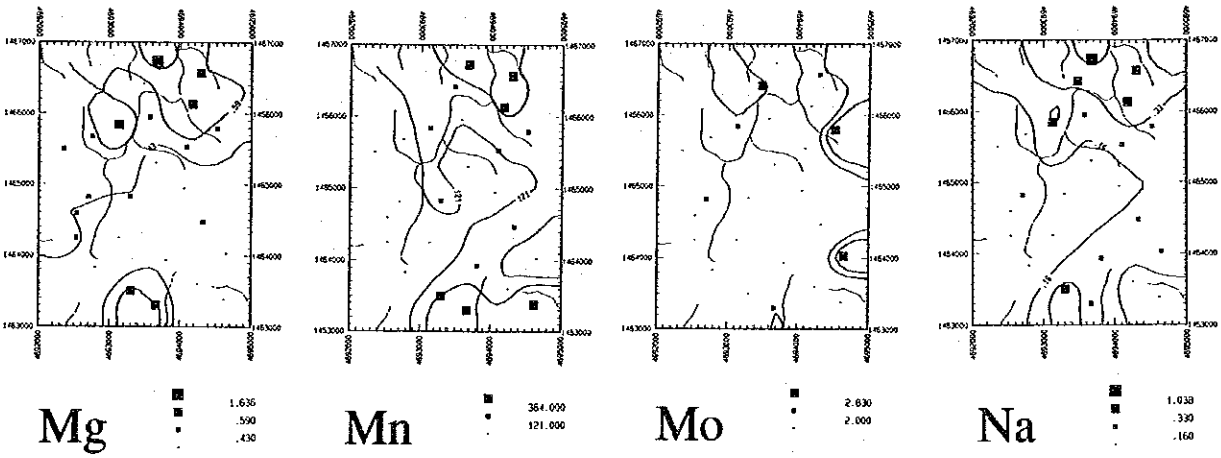
Appendix 31

Distribution map of elements in Area S

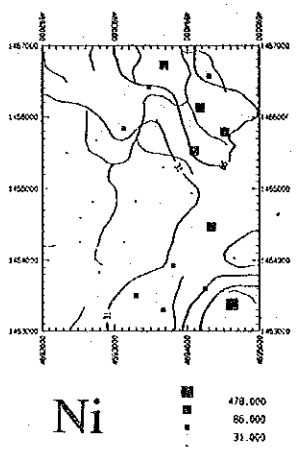
Soil

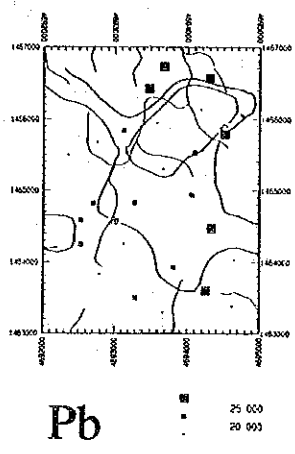

As
16.000
3.000
Au
3.612
Ba
211.000
140.000
Co
56.000
17.000
7.000

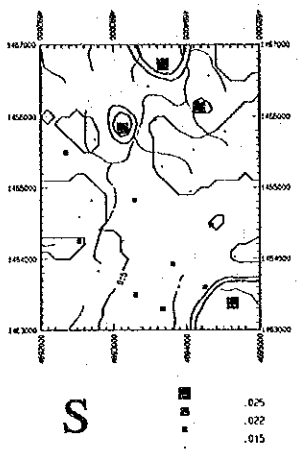

Cr
338.000
143.000
85.000
Cu
34.000
21.000
Hg
287.000
155.000
125.000
K
1.290
910

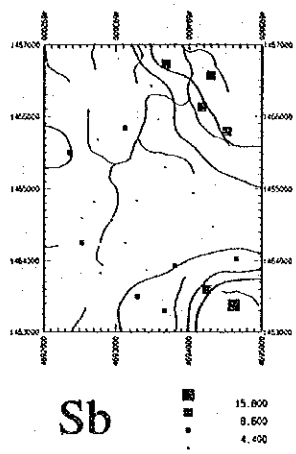

Mg
1.636
.590
.430
Mn
364.000
121.000
Mo
2.830
2.000
Na
1.038
.330
.160

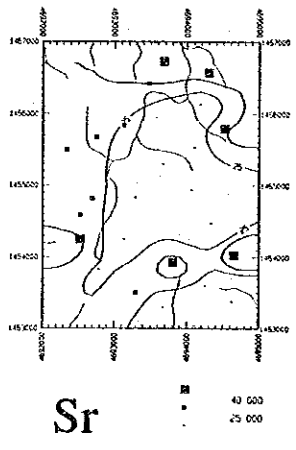
Soil

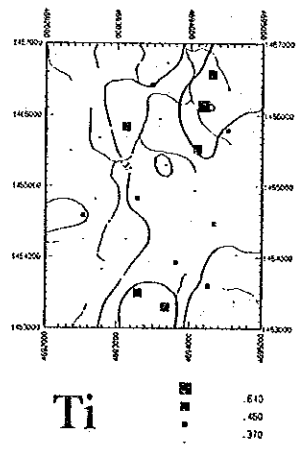

Ni
478.000
86.000
31.000

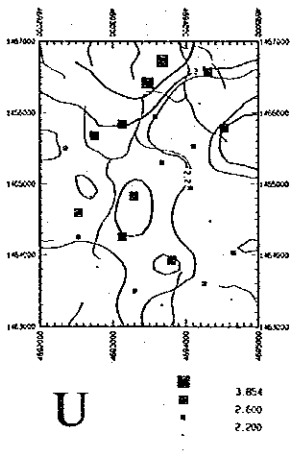

Pb
25.000
20.000

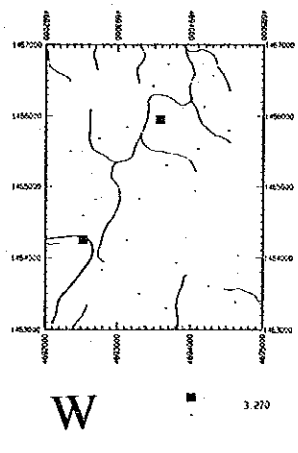

S
.025
.022
.015

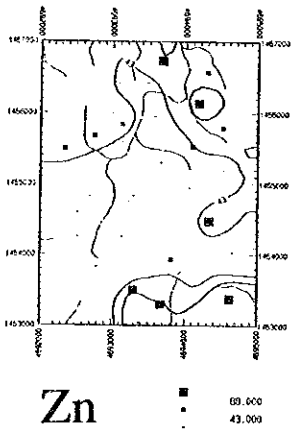

Sb
15.000
8.600
4.400


Sr
40.000
25.000

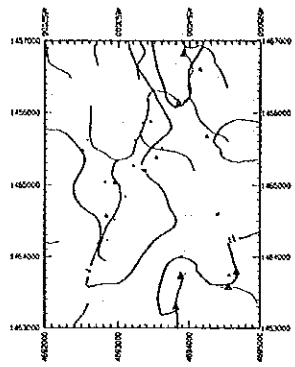

Ti
.610
.450
.370


U
3.854
2.600
2.200

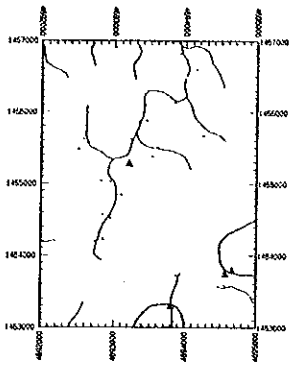

W
3.270


Zn
60.000
43.000

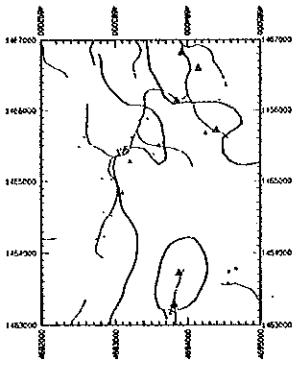
Stream Sediments



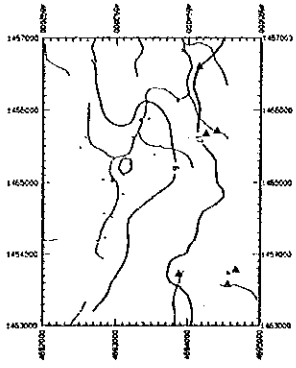
As



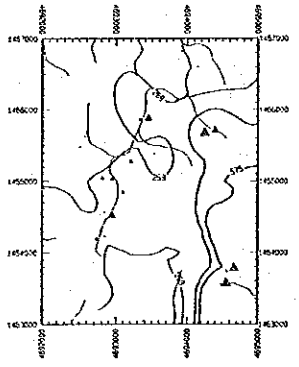
Au



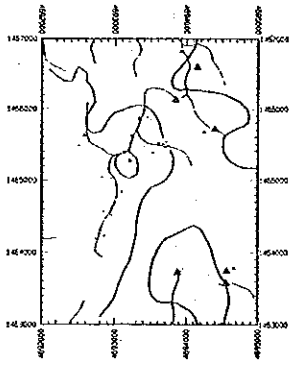
Ba



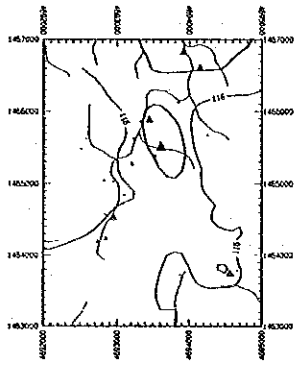
Co



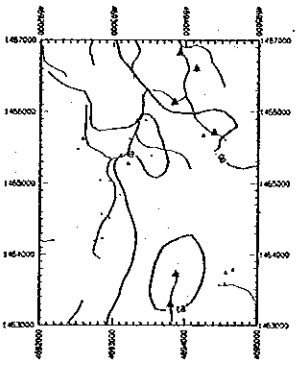
Cr



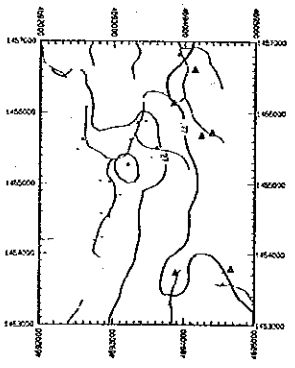
Cu



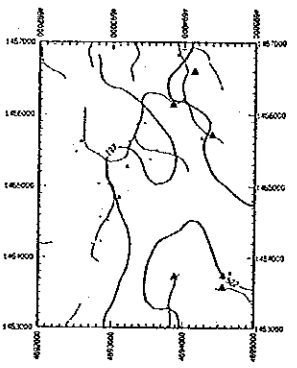
Hg



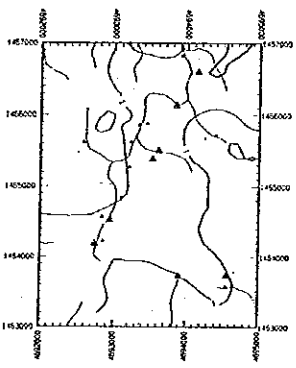
K



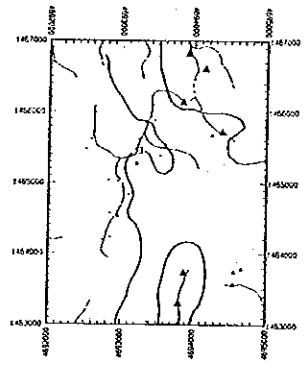
Mg



Mn

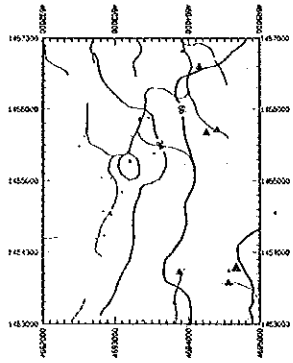


Mo

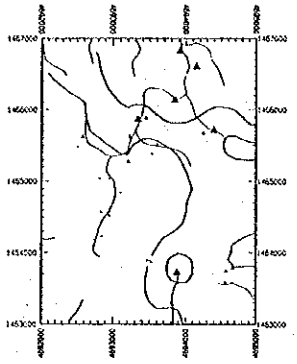


Na

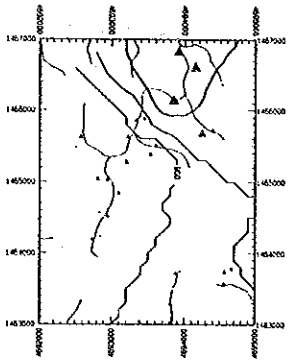
Stream Sediments



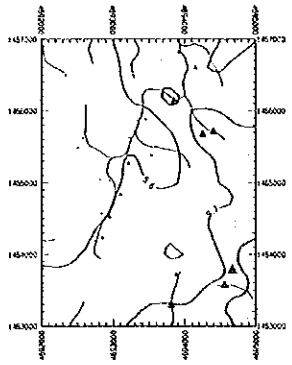
Ni



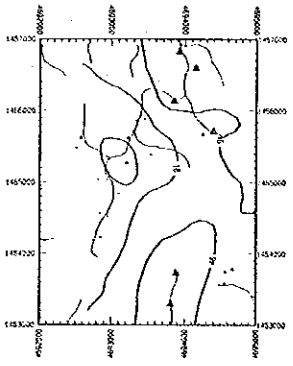
Pb



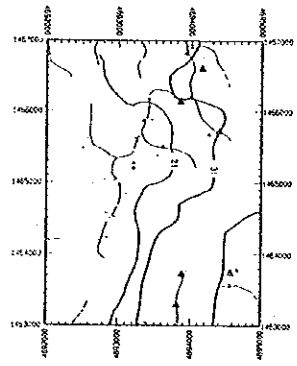
S



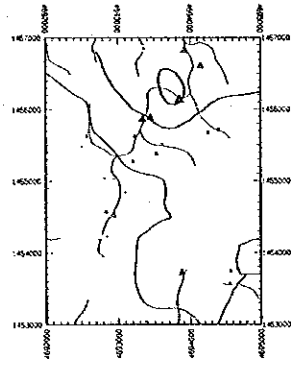
Sb



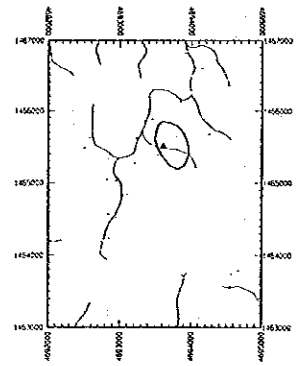
Sr



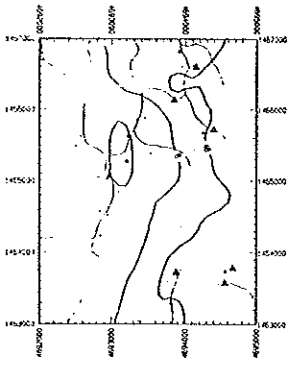
Ti



U



W



Zn

Appendix 32

List of stream sediment geochemical samples in Area S

Area: Tributary of S. Imbak (Area S)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Name of Stream	Geology	Geol. Unit	Order	Width (m)	Flow *1	Size *2	Color
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. No.	Sample No.	Location (km) X-coord	Location (km) 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	LS501	4693.920	1466.820	16	1>	220	11	227	23	327	1.51	.70	473	1	.54	57	20	.045	8.3	58	.30	2.4	2>	41
2	LS502	4694.150	1466.600	7	1>	234	18	186	29	247	1.61	.97	668	2	.59	66	20	.029	5.7	55	.34	2.2	2>	48
3	LS503	4693.850	1466.130	20	1>	230	15	236	25	143	1.82	.77	522	2	.68	64	45	.064	11.2	68	.32	2.8	3	48
4	LS504	4693.340	1465.860	1>	1>	105	7	303	11	126	.62	.32	155	1	.14	24	13	.008	5.5	14	.21	1.8	3	7
5	LS505	4693.450	1465.880	1>	1>	72	2	445	8	729	.29	.16	115	1	.12	20	7	.011	4.0	15	.14	1.8	9	1>
6	LS506	4693.230	1465.620	1	1>	77	5	253	8	112	.35	.20	169	1	.10	18	9	.007	5.4	18	.14	1.6	2>	16
7	LS507	4693.210	1465.270	3	1	182	7	302	15	175	.68	.40	431	1	.22	31	8	.008	6.8	28	.23	1.6	2>	30
8	LS508	4692.950	1465.030	4	1>	78	6	291	8	95	.33	.17	163	1>	.08	19	3	.008	3.5	15	.15	1.0	2>	8
9	LS509	4692.820	1465.040	2	1>	64	4	282	7	34	.26	.15	84	1>	.04	15	3	.006	3.4	13	.13	1.0	2>	1>
10	LS510	4693.100	1464.840	1>	1>	116	5	337	9	92	.47	.22	219	1	.12	21	2>	.006	6.7	15	.19	1.0	2>	6
11	LS511	4692.840	1464.570	4	1>	55	1	239	5	41	.20	.09	70	1	.03	12	3	.005	4.2	14	.14	1.4	2>	1>
12	LS512	4692.950	1464.520	3	1>	88	5	444	7	280	.33	.17	134	2	.13	18	2>	.007	6.2	11	.18	1.4	2>	1
13	LS513	4692.740	1464.190	9	1>	66	3	368	6	133	.23	.10	87	2	.04	15	3	.007	4.9	10	.14	1.0	2>	1>
14	LS514	4692.850	1464.230	2	1>	53	4	258	6	221	.20	.09	81	1	.03	14	2>	.005	7.5	13	.11	1.2	2>	1>
15	LS515	4694.400	1465.710	4	1>	202	17	450	25	67	1.10	1.04	615	1	.49	107	13	.013	9.7	46	.33	1.6	2>	56
16	LS516	4694.250	1465.670	4	1>	163	21	645	15	46	.82	1.36	470	1>	.44	156	9	.017	11.6	40	.28	1.4	2>	45
17	LS517	4693.610	1465.500	8	1>	106	5	230	11	787	.47	.27	130	2	.13	25	7	.007	3.7	13	.21	1.6	72	5
18	LS518	4693.530	1465.380	7	1>	97	3	253	7	147	.38	.17	139	2	.10	17	3	.006	4.7	11	.17	1.4	2>	1>
19	LS519	4692.580	1465.620	1	1>	74	5	191	12	106	.48	.27	197	1	.06	18	7	.006	1.5	18	.17	1.4	2>	2
20	LS520	4692.510	1465.460	6	1>	41	2	247	5	60	.15	.07	65	1>	.02	12	2	.005	3.2	13	.13	1.0	2>	1>
21	LS521	4693.810	1463.290	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	LS522	4693.880	1463.720	13	1>	234	18	261	37	105	1.42	.84	947	1	.66	75	15	.009	5.6	74	.54	1.8	2>	59
23	LS523	4694.560	1463.570	19	1>	161	37	2434	25	63	.78	.69	849	1	.33	276	10	.011	18.7	33	.27	1.4	2>	84
24	LS524	4694.570	1463.740	4	1	190	12	269	25	674	.94	.46	584	2	.26	44	7	.008	4.8	41	.31	1.4	2>	47
25	LS525	4694.670	1463.780	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 N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
1	LT001	1461.83	4679.73	S. Imbak	———	N_2Tj	15	Y.B.	R	C	F	W	primary forest
2	LT002	1461.55	4679.60	S. Imbak	mudstone	N_2Tj	15	Y.B.	R	C	F	W	primary forest
3	LT003	1461.19	4679.50	S. Imbak	———	N_2Tj	15	Y.B.	R	C	F	W	primary forest
4	LT004	1461.30	4679.85	S. Imbak	———	N_2Tj	15	L.B.	R	C	F	W	primary forest
5	LT005	1461.75	4680.39	S. Imbak	mudstone	N_2Tj	15	L.B.	R	C	F	W	primary forest
6	LT006	1461.34	4680.50	S. Imbak	mudstone	N_2Tj	15	L.B.	R	C	M	W	primary forest
7	LT007	1461.40	4681.39	S. Imbak	mudstone/sst	N_2Tj	10	Y.B.	R	C	M	W	primary forest
8	LT008	1461.15	4681.50	S. Imbak	mudstone/sst	N_2Tj	10	L.B.	R	C	F	W	primary forest
9	LT009	1461.85	4681.71	S. Imbak	———	N_2Tj	20	L.B.	R	C	F	W	primary forest
10	LT010	1461.35	4681.88	S. Imbak	mudstone/sst	N_2Tj	30	L.B.	R	C	F	W	primary forest
11	LT011	1461.72	4682.20	S. Imbak	sandstone	P_3Lb	30	L.B.	R	C	M	W	primary forest
12	LT012	1461.40	4682.45	S. Imbak	sandstone	P_3Lb	30	L.B.	R	C	M	W	primary forest
13	LT013	1461.11	4682.99	S. Imbak	sandstone	P_3Lb	30	L.B.	R	C	M	W	primary forest
14	LT014	1461.57	4683.15	S. Imbak	sandstone	P_3Lb	30	L.B.	R	C	M	W	primary forest
15	LT015	1461.35	4683.53	S. Imbak	sandstone	P_3Lb	30	L.B.	F	C	M	W	primary forest
16	LT016	1461.72	4684.00	S. Imbak	sandstone	P_3Lb	30	Y.B.	F	C	M	W	primary forest
17	LT017	1461.60	4684.32	S. Imbak	sandstone	P_3Lb	30	L.B.	R	C	S	W	primary forest
18	LT018	1461.15	4684.35	S. Imbak	sandstone	P_3Lb	30	B.	R	C	M	W	primary forest
19	LT019	1461.38	4684.62	S. Imbak	sandstone	P_3Lb	30	L.B.	R	C	M	W	primary forest
20	LT020	1461.05	4684.98	S. Imbak	sandstone	P_3Lb	30	L.B.	R	C	S	W	primary forest
21	LT021	1461.67	4685.33	S. Imbak	sandstone	P_3Lb	25	L.B.	R	C	M	W	primary forest
22	LT022	1461.46	4685.51	S. Imbak	sandstone	P_3Lb	30	L.B.	R	C	M	W	primary forest
23	LT023	1461.08	4685.45	S. Imbak	sst/mudstone	P_3Lb	30	L.B.	M	C	M	W	primary forest
24	LT024	1460.70	4679.52	S. Imbak	mudstone	N_2Tj	15	Y.B.	R	C	M	W	primary forest
25	LT025	1460.24	4679.56	S. Imbak	mudstone	N_2Tj	15	L.B.	R	C	M	W	primary forest
26	LT026	1460.99	4680.22	S. Imbak	mudstone	N_2Tj	15	Y.B.	R	C	M	W	primary forest
27	LT027	1460.40	4680.12	S. Imbak	mudstone	N_2Tj	15	L.B.	R	C	M	W	primary forest
28	LT028	1460.05	4680.25	S. Imbak	———	N_2Tj	20	L.B.	R	C	M	W	primary forest
29	LT029	1460.15	4680.60	S. Imbak	———	N_2Tj	15	L.B.	R	C	M	W	primary forest
30	LT030	1460.52	4680.63	S. Imbak	———	N_2Tj	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 N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
31	LT031	1460.86	4681.15	S. Imbak	———	N_2Tj	20	L.B.	R	C	M	W	primary forest
32	LT032	1460.44	4681.32	S. Imbak	mudstone	N_2Tj	15	Y.B.	R	C	M	W	primary forest
33	LT033	1460.34	4681.51	S. Imbak	mudstone	N_2Tj	15	Y.B.	R	C	M	W	primary forest
34	LT034	1460.83	4681.72	S. Imbak	mudstone	N_2Tj	15	Y.B.	R	C	M	W	primary forest
35	LT035	1460.45	4681.93	S. Imbak	mudstone	N_2Tj	30	L.B.	R	C	F	W	primary forest
36	LT036	1460.75	4682.05	S. Imbak	mudstone	N_2Tj	30	L.B.	R	C	F	W	primary forest
37	LT037	1460.96	4682.23	S. Imbak	———	Q_2	30	L.B.	R	C	F	W	primary forest
38	LT038	1460.41	4682.39	S. Imbak	mudstone	N_2Tj	30	L.B.	R	C	F	W	primary forest
39	LT039	1460.72	4682.85	S. Imbak	———	N_2Tj	30	L.B.	R	C	F	W	primary forest
40	LT040	1460.37	4682.74	S. Imbak	———	N_2Tj	30	L.B.	R	C	F	W	primary forest
41	LT041	1460.19	4682.96	S. Imbak	———	Q_2	30	L.B.	R	C	F	W	primary forest
42	LT042	1460.35	4683.35	S. Imbak	sandstone	N_2Tj	25	L.B.	R	C	F	W	primary forest
43	LT043	1460.75	4683.52	S. Imbak	sst/mudstone	P_3Lb	25	L.B.	R	C	F	W	primary forest
44	LT044	1460.48	4684.08	S. Imbak	sst/mudstone	P_3Lb	30	L.B.	R	C	M	W	primary forest
45	LT045	1460.57	4684.63	S. Imbak	sst/mudstone	P_3Lb	25	L.B.	R	S	M	D	primary forest
46	LT046	1460.07	4684.66	S. Imbak	sst/mudstone	P_3Lb	25	L.B.	R	C	S	W	primary forest
47	LT047	1460.72	4685.00	S. Imbak	sst/mudstone	P_3Lb	25	L.B.	R	S	F	D	primary forest
48	LT048	1460.38	4685.25	S. Imbak	sst/mudstone	P_3Lb	30	L.B.	R	C	S	W	primary forest
49	LT049	1460.10	4685.70	S. Imbak	sandstone	P_3Lb	30	L.B.	R	C	S	W	primary forest
50	LT050	1459.85	4679.51	S. Imbak	mudstone/sst	N_2Tj	15	L.B.	R	C	S	W	primary forest
51	LT051	1459.10	4679.47	S. Imbak	mudstone	N_2Tj	10	Y.B.	R	C	M	W	primary forest
52	LT052	1459.02	4679.82	S. Imbak	———	N_2Tj	10	Y.B.	R	C	S	W	primary forest
53	LT053	1459.88	4679.92	S. Imbak	mudstone	N_2Tj	10	L.B.	R	C	M	W	primary forest
54	LT054	1459.44	4679.87	S. Imbak	———	N_2Tj	15	Y.B.	R	C	M	W	primary forest
55	LT055	1459.05	4680.22	S. Imbak	———	N_2Tj	10	L.B.	R	C	M	W	primary forest
56	LT056	1459.75	4680.43	S. Imbak	———	N_2Tj	15	L.B.	R	C	M	W	primary forest
57	LT057	1459.41	4680.54	S. Imbak	———	N_2Tj	10	Y.B.	R	C	M	W	primary forest
58	LT058	1459.95	4681.20	S. Imbak	mudstone	N_2Tj	15	Y.B.	R	C	S	W	primary forest
59	LT059	1459.40	4680.97	S. Imbak	mudstone	N_2Tj	10	Y.B.	R	C	M	W	primary forest
60	LT060	1459.18	4681.30	S. Imbak	———	N_2Tj	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 T)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
61	LT061	1459.46	4681.87	S. Imbak	mudstone	N_2Tj	10	L.B.	R	C	M	W	primary forest
62	LT062	1459.91	4682.05	S. Imbak	———	N_2Tj	10	L.B.	R	C	F	W	primary forest
63	LT063	1459.40	4682.28	S. Imbak	mudstone	N_2Tj	30	L.B.	R	C	F	W	primary forest
64	LT064	1459.10	4682.34	S. Imbak	mudstone	N_2Tj	25	L.B.	R	C	M	W	primary forest
65	LT065	1459.55	4682.70	S. Imbak	sandstone	N_2Tj	25	L.B.	R	S	F	W	primary forest
66	LT066	1458.96	4682.77	S. Imbak	sandstone	N_2Tj	25	L.B.	R	C	F	W	primary forest
67	LT067	1459.21	4682.96	S. Imbak	sandstone	N_2Tj	30	L.B.	R	C	M	W	primary forest
68	LT068	1459.84	4683.08	S. Imbak	———	Q_2	30	L.B.	R	C	F	W	primary forest
69	LT069	1459.55	4683.16	S. Imbak	sandstone	N_2Tj	25	L.B.	R	C	F	W	primary forest
70	LT070	1459.77	4683.53	S. Imbak	sandstone	N_2Tj	25	B.	R	C	S	W	primary forest
71	LT071	1459.28	4683.35	S. Imbak	sandstone	N_2Tj	30	Y.B.	R	C	S	W	primary forest
72	LT072	1459.35	4683.80	S. Imbak	sandstone	N_2Tj	30	L.B.	M	C	S	W	primary forest
73	LT073	1459.87	4684.08	S. Imbak	sandstone	P_3Lb	30	Y.B.	R	C	M	W	primary forest
74	LT074	1459.28	4684.42	S. Imbak	sandstone	P_3Lb	25	L.B.	R	C	M	W	primary forest
75	LT075	1459.60	4684.80	S. Imbak	sandstone	P_3Lb	25	L.B.	F	C	M	W	primary forest
76	LT076	1459.72	4685.25	S. Imbak	sandstone	P_3Lb	25	L.B.	R	C	M	W	primary forest
77	LT077	1458.70	4679.90	S. Imbak	———	N_2Tj	10	Y.B.	R	C	S	W	primary forest
78	LT078	1458.78	4680.85	S. Imbak	mudstone/sst	N_2Tj	20	Y.B.	R	C	S	W	primary forest
79	LT079	1458.23	4679.85	S. Imbak	mudstone/sst	N_2Tj	15	Y.B.	R	C	S	W	primary forest
80	LT080	1458.42	4680.34	S. Imbak	mudstone/sst	N_2Tj	15	Y.B.	R	C	M	W	primary forest
81	LT081	1458.19	4680.65	S. Imbak	———	N_2Tj	10	Y.B.	R	C	S	W	primary forest
82	LT082	1458.40	4680.92	S. Imbak	mudstone	N_2Tj	15	Y.B.	R	C	S	W	primary forest
83	LT083	1458.75	4681.32	S. Imbak	mudstone	N_2Tj	10	Y.B.	R	C	F	W	primary forest
84	LT084	1458.56	4681.47	S. Imbak	mudstone	N_2Tj	10	Y.B.	R	C	M	W	primary forest
85	LT085	1458.21	4681.45	S. Imbak	mudstone	N_2Tj	15	Y.B.	R	C	S	W	primary forest
86	LT086	1458.03	4681.70	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
87	LT087	1458.92	4681.75	S. Imbak	———	N_2Tj	10	Y.B.	R	C	F	W	primary forest
88	LT088	1458.85	4681.95	S. Imbak	———	N_2Tj	10	Y.B.	R	C	F	W	primary forest
89	LT089	1458.38	4681.95	S. Imbak	———	N_2Tj	10	Y.B.	R	C	F	W	primary forest
90	LT090	1458.56	4682.42	S. Imbak	mudstone	N_2Tj	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 N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
91	LT091	1458.18	4682.80	S. Imbak	sandstone	N_2Tj	30	L.B.	R	C	F	W	primary forest
92	LT092	1458.70	4682.98	S. Imbak	sandstone	N_2Tj	25	L.B.	R	C	M	W	primary forest
93	LT093	1458.28	4683.10	S. Imbak	sandstone	N_2Tj	30	B.	R	C	S	W	primary forest
94	LT094	1458.85	4683.73	S. Imbak	sandstone	N_2Tj	30	L.B.	R	C	S	W	primary forest
95	LT095	1458.40	4683.80	S. Imbak	mudstone	N_2Tj	30	Y.	R	C	S	W	primary forest
96	LT096	1458.04	4683.90	S. Imbak	sst/mudstone	N_2Tj	30	L.B.	R	C	S	W	primary forest
97	LT097	1458.75	4684.24	S. Imbak	sandstone	N_2Tj	30	L.B.	R	C	S	W	primary forest
98	LT098	1458.28	4684.20	S. Imbak	sst/mudstone	N_2Tj	30	L.B.	R	C	S	W	primary forest
99	LT099	1458.00	4684.68	S. Imbak	sandstone	N_2Tj	30	L.B.	F	C	S	W	primary forest
100	LT100	1458.90	4684.90	S. Imbak	sandstone	P_3Lb	30	L.B.	M	C	F	W	primary forest
101	LT101	1458.38	4685.15	S. Imbak	sandstone	P_3Lb	30	L.B.	R	C	M	W	primary forest
102	LT102	1457.55	4679.70	S. Imbak	mudstone	N_2Tj	15	L.B.	R	C	S	W	primary forest
103	LT103	1457.08	4679.90	S. Imbak	mudstone/sst	N_2Tj	20	Y.B.	R	C	S	W	primary forest
104	LT104	1457.48	4680.15	S. Imbak	mudstone/sst	N_2Tj	15	L.B.	R	C	M	W	primary forest
105	LT105	1457.25	4680.29	S. Imbak	———	N_2Tj	15	Y.B.	R	C	S	W	primary forest
106	LT106	1457.48	4680.60	S. Imbak	mudstone/sst	N_2Tj	15	Y.B.	R	C	M	W	primary forest
107	LT107	1457.00	4680.71	S. Imbak	sst/mudstone	N_2Tj	15	Y.B.	R	C	S	W	primary forest
108	LT108	1457.95	4681.12	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
109	LT109	1457.14	4681.03	S. Imbak	mudstone	N_2Tj	15	Y.B.	R	C	F	W	primary forest
110	LT110	1457.38	4681.17	S. Imbak	———	N_2Tj	15	L.B.	R	C	M	W	primary forest
111	LT111	1457.60	4681.60	S. Imbak	———	N_2Tj	10	L.B.	R	C	F	W	primary forest
112	LT112	1457.78	4682.08	S. Imbak	———	N_2Tj	15	Y.B.	R	S	F	W	primary forest
113	LT113	1457.25	4681.90	S. Imbak	———	N_2Tj	15	Y.B.	R	C	F	W	primary forest
114	LT114	1457.60	4682.25	S. Imbak	mudstone	N_2Tj	15	Y.B.	R	C	F	W	primary forest
115	LT115	1457.95	4682.35	S. Imbak	mudstone	N_2Tj	30	L.B.	R	C	M	W	primary forest
116	LT116	1457.40	4682.65	S. Imbak	sandstone	N_2Tj	30	L.B.	R	C	F	W	primary forest
117	LT117	1457.65	4682.83	S. Imbak	mudstone	N_2Tj	30	L.B.	R	C	F	W	primary forest
118	LT118	1457.80	4683.22	S. Imbak	sandstone	N_2Tj	30	B.	R	C	S	W	primary forest
119	LT119	1457.35	4683.22	S. Imbak	mudstone	N_2Tj	25	L.B.	R	C	S	W	primary forest
120	LT120	1457.50	4683.75	S. Imbak	sandstone	N_2Tj	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 N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
121	LT121	1457.12	4683.88	S. Imbak	sandstone	N_2Tj	30	L.B.	R	C	S	W	primary forest
122	LT122	1457.70	4684.37	S. Imbak	sandstone	N_2Tj	30	Y.B.	M	C	F	W	primary forest
123	LT123	1457.20	4684.34	S. Imbak	sandstone	N_2Tj	30	L.B.	R	C	S	W	primary forest
124	LT124	1457.57	4684.80	S. Imbak	sandstone	N_2Tj	30	Y.B.	R	C	S	W	primary forest
125	LT125	1457.44	4684.78	S. Imbak	mudstone	N_2Tj	30	B.	R	C	S	W	primary forest
126	LT126	1457.05	4684.70	S. Imbak	mudstone/sst	N_2Tj	30	B.	R	C	S	W	primary forest
127	LT127	1457.90	4685.35	S. Imbak	sandstone	P_3Lb	30	L.B.	R	C	S	W	primary forest
128	LT128	1457.54	4685.19	S. Imbak	sandstone	P_3Lb	30	L.B.	R	C	S	W	primary forest
129	LT129	1457.50	4685.68	S. Imbak	sandstone	P_3Lb	30	L.B.	R	C	M	W	primary forest
130	LT130	1456.80	4679.80	S. Imbak	mudstone/sst	N_2Tj	20	Y.B.	R	C	S	W	primary forest
131	LT131	1456.26	4680.70	S. Imbak	mudstone/sst	N_2Tj	15	Y.B.	R	C	S	W	primary forest
132	LT132	1456.20	4680.05	S. Imbak	sst/mudstone	N_2Tj	30	B.	F	C	S	W	primary forest
133	LT133	1456.50	4680.46	S. Imbak	sst/mudstone	N_2Tj	15	Y.B.	R	C	S	W	primary forest
134	LT134	1456.41	4681.05	S. Imbak	mudstone/sst	N_2Tj	10	Y.B.	R	C	S	W	primary forest
135	LT135	1456.90	4681.45	S. Imbak	———	N_2Tj	15	Y.B.	R	C	F	W	primary forest
136	LT136	1456.48	4681.42	S. Imbak	mudstone/sst	N_2Tj	15	Y.B.	R	C	M	W	primary forest
137	LT137	1456.60	4681.71	S. Imbak	———	N_2Tj	10	Y.B.	R	C	F	W	primary forest
138	LT138	1456.00	4681.71	S. Imbak	———	N_2Tj	15	Y.B.	R	C	M	W	primary forest
139	LT139	1456.68	4681.95	S. Imbak	———	N_2Tj	15	Y.B.	R	C	F	W	primary forest
140	LT140	1456.26	4682.14	S. Imbak	———	N_2Tj	15	Y.B.	R	C	F	W	primary forest
141	LT141	1456.95	4682.48	S. Imbak	mudstone	N_2Tj	30	L.B.	R	C	M	W	primary forest
142	LT142	1456.60	4682.55	S. Imbak	mudstone	N_2Tj	30	L.B.	R	C	M	W	primary forest
143	LT143	1456.00	4682.52	S. Imbak	———	N_2Tj	30	D.B.	R	S	F	W	primary forest
144	LT144	1456.85	4682.78	S. Imbak	sandstone	N_2Tj	30	L.B.	R	C	F	W	primary forest
145	LT145	1456.35	4682.78	S. Imbak	———	N_2Tj	30	D.B.	R	C	F	W	primary forest
146	LT146	1456.67	4683.05	S. Imbak	mudstone	N_2Tj	30	D.B.	R	C	F	W	primary forest
147	LT147	1456.88	4683.15	S. Imbak	mudstone	N_2Tj	30	L.B.	R	C	M	W	primary forest
148	LT148	1456.16	4683.12	S. Imbak	———	N_2Tj	30	B.	R	C	F	W	primary forest
149	LT149	1456.35	4683.38	S. Imbak	sst/mudstone	N_2Tj	30	D.B.	F	C	F	W	primary forest
150	LT150	1456.90	4683.50	S. Imbak	sst/mudstone	N_2Tj	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)

Area: Tributary of S. Imbak (Area T)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
151	LT151	1456.72	4683.40	S. Imbak	sst/mudstone	N_2Tj	30	B.	F	C	S	W	primary forest
152	LT152	1456.08	4683.84	S. Imbak	———	N_2Tj	30	B.	F	C	S	W	primary forest
153	LT153	1457.04	4684.08	S. Imbak	sst/mudstone	N_2Tj	30	B.	R	C	M	W	primary forest
154	LT154	1456.45	4684.10	S. Imbak	sst/mudstone	N_2Tj	30	B.	R	C	S	W	primary forest
155	LT155	1456.15	4684.25	S. Imbak	sst/mudstone	N_2Tj	30	B.	R	C	S	W	primary forest
156	LT156	1456.21	4684.52	S. Imbak	sst/mudstone	N_2Tj	30	B.	F	C	S	W	primary forest
157	LT157	1456.65	4685.13	S. Imbak	mudstone	N_2Tj	30	D.B.	F	C	S	W	primary forest
158	LT158	1456.10	4685.15	S. Imbak	mudstone	N_2Tj	30	B.	R	C	M	W	primary forest
159	LT159	1457.04	4685.28	S. Imbak	sandstone	P_3Lb	30	B.	R	C	S	W	primary forest
160	LT160	1456.60	4685.68	S. Imbak	sandstone	P_3Lb	30	B.	F	C	S	W	primary forest
161	LT161	1456.08	4685.58	S. Imbak	sandstone	P_3Lb	30	B.	F	S	M	W	primary forest
162	LT162	1455.98	4679.33	S. Imbak	sandstone	N_2Tj	30	B.	F	C	S	W	primary forest
163	LT163	1455.68	4679.55	S. Imbak	sandstone	N_2Tj	30	L.B.	R	C	S	W	primary forest
164	LT164	1455.18	4679.40	S. Imbak	sandstone	N_2Tj	30	B.	F	C	S	W	primary forest
165	LT165	1455.77	4680.05	S. Imbak	sst/mudstone	N_2Tj	30	Y.B.	F	C	S	W	primary forest
166	LT166	1455.40	4680.08	S. Imbak	sst/mudstone	N_2Tj	30	B.	F	C	S	W	primary forest
167	LT167	1455.60	4680.37	S. Imbak	sst/mudstone	N_2Tj	30	D.B.	F	C	S	W	primary forest
168	LT168	1455.67	4680.78	S. Imbak	sst/mudstone	N_2Tj	30	B.	R	C	S	W	primary forest
169	LT169	1455.36	4680.92	S. Imbak	sst/mudstone	N_2Tj	30	B.	R	C	S	W	primary forest
170	LT170	1455.38	4681.22	S. Imbak	mudstone	N_2Tj	30	B.	F	C	F	W	primary forest
171	LT171	1455.56	4681.55	S. Imbak	sandstone	N_2Tj	30	B.	F	C	M	W	primary forest
172	LT172	1455.32	4681.58	S. Imbak	———	N_2Tj	30	B.	R	S	F	W	primary forest
173	LT173	1455.18	4681.75	S. Imbak	———	N_2Tj	30	D.B.	F	C	S	W	primary forest
174	LT174	1455.68	4682.04	S. Imbak	———	N_2Tj	30	B.	R	C	M	W	primary forest
175	LT175	1455.48	4682.08	S. Imbak	———	N_2Tj	30	D.B.	R	S	F	W	primary forest
176	LT176	1455.03	4682.02	S. Imbak	———	N_2Tj	30	D.B.	R	C	S	W	primary forest
177	LT177	1455.40	4682.33	S. Imbak	———	N_2Tj	30	B.	F	C	M	W	primary forest
178	LT178	1455.80	4682.77	S. Imbak	———	N_2Tj	30	D.B.	F	C	M	W	primary forest
179	LT179	1455.30	4682.72	S. Imbak	———	N_2Tj	30	B.	R	C	M	W	primary forest
180	LT180	1455.34	4683.04	S. Imbak	sst/mudstone	N_2Tj	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 N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
181	LT181	1455.78	4683.24	S. Imbak	sst/mudstone	N_2Tj	30	B.	R	C	M	W	primary forest
182	LT182	1455.19	4683.42	S. Imbak	sst/mudstone	N_2Tj	30	B.	R	C	M	W	primary forest
183	LT183	1455.51	4683.57	S. Imbak	sst/mudstone	N_2Tj	30	B.	F	C	M	W	primary forest
184	LT184	1455.39	4683.95	S. Imbak	mudstone	N_2Tj	30	Y.B.	R	C	M	W	primary forest
185	LT185	1455.58	4684.40	S. Imbak	sandstone	N_2Tj	30	B.	R	C	M	W	primary forest
186	LT186	1455.85	4684.95	S. Imbak	sandstone	N_2Tj	30	B.	F	C	M	W	primary forest
187	LT187	1455.15	4684.73	S. Imbak	sandstone	N_2Tj	30	B.	R	C	M	W	primary forest
188	LT188	1455.62	4685.40	S. Imbak	sandstone	P_3Lb	30	B.	R	C	M	W	primary forest
189	LT189	1455.10	4685.49	S. Imbak	sst/mudstone	P_3Lb	30	B.	F	C	M	W	primary forest
190	LT190	1454.63	4679.40	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
191	LT191	1454.12	4679.43	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	F	W	primary forest
192	LT192	1454.87	4679.88	S. Imbak	mudstone	N_2Tj	30	Y.B.	R	C	S	W	primary forest
193	LT193	1454.18	4679.91	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
194	LT194	1454.92	4680.30	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
195	LT195	1454.64	4680.41	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
196	LT196	1454.08	4680.22	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
197	LT197	1454.22	4680.62	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
198	LT198	1453.96	4680.65	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
199	LT199	1454.92	4680.83	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
200	LT200	1454.75	4680.87	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
201	LT201	1454.35	4681.07	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
202	LT202	1454.83	4681.35	S. Imbak	sandstone	N_2Tj	20	Y.B.	R	C	F	W	primary forest
203	LT203	1454.60	4681.55	S. Imbak	———	N_2Tj	20	Y.B.	R	C	S	W	primary forest
204	LT204	1454.20	4681.47	S. Imbak	———	N_2Tj	20	Y.B.	R	C	M	W	primary forest
205	LT205	1454.85	4682.30	S. Imbak	———	N_2Tj	20	Y.B.	R	C	F	W	primary forest
206	LT206	1454.57	4682.03	S. Imbak	———	N_2Tj	20	Y.B.	R	C	F	W	primary forest
207	LT207	1454.38	4682.42	S. Imbak	———	N_2Tj	20	Y.B.	R	C	F	W	primary forest
208	LT208	1454.96	4682.65	S. Imbak	———	N_2Tj	20	Y.B.	R	C	F	W	primary forest
209	LT209	1454.62	4682.75	S. Imbak	———	N_2Tj	20	L.B.	R	C	F	W	primary forest
210	LT210	1454.28	4682.90	S. Imbak	mudstone	N_2Tj	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 N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
211	LT211	1454.85	4683.10	S. Imbak	———	N_2Tj	20	L.B.	R	C	M	W	primary forest
212	LT212	1454.75	4683.42	S. Imbak	mudstone	N_2Tj	20	L.B.	R	C	F	W	primary forest
213	LT213	1454.42	4683.30	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
214	LT214	1454.10	4683.27	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
215	LT215	1454.30	4683.55	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
216	LT216	1454.95	4683.80	S. Imbak	mudstone	N_2Tj	30	D.B.	R	C	M	W	primary forest
217	LT217	1454.68	4683.80	S. Imbak	mudstone	N_2Tj	30	D.B.	R	C	M	W	primary forest
218	LT218	1454.88	4684.00	S. Imbak	mudstone	N_2Tj	30	R.B.	R	C	M	W	primary forest
219	LT219	1454.32	4684.18	S. Imbak	sst/mudstone	N_2Tj	30	B.	R	C	M	W	primary forest
220	LT220	1454.05	4684.32	S. Imbak	sst/mudstone	N_2Tj	30	B.	F	C	M	W	primary forest
221	LT221	1454.58	4684.55	S. Imbak	———	N_2Tj	30	B.	R	C	M	W	primary forest
222	LT222	1454.40	4685.10	S. Imbak	———	P_3Lb	30	B.	R	C	M	W	primary forest
223	LT223	1454.70	4685.45	S. Imbak	sst/mudstone	P_3Lb	30	B	R	C	S	W	primary forest
224	LT224	1453.85	4679.50	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
225	LT225	1453.22	4679.82	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
226	LT226	1453.58	4679.92	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
227	LT227	1453.86	4680.15	S. Imbak	sandstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
228	LT228	1453.80	4680.42	S. Imbak	porphyrite	N_2Tj	10	Y.B.	R	C	S	W	primary forest
229	LT229	1453.37	4680.48	S. Imbak	mudstone	N_2Tj	20	L.B.	R	C	M	W	primary forest
230	LT230	1453.70	4680.82	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
231	LT231	1453.95	4681.12	S. Imbak	sili. mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
232	LT232	1453.58	4681.05	S. Imbak	mudstone	N_2Tj	30	Y.B.	R	C	S	W	primary forest
233	LT233	1453.27	4681.26	S. Imbak	sili. mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
234	LT234	1453.77	4681.52	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
235	LT235	1453.95	4681.77	S. Imbak	mudstone	N_2Tj	10	Y.B.	R	C	M	W	primary forest
236	LT236	1453.42	4681.68	S. Imbak	sili. mudstone	N_2Tj	20	Y.B.	F	C	S	W	primary forest
237	LT237	1453.34	4681.98	S. Imbak	porphyrite	N_2Tj	30	Y.B.	R	C	S	W	primary forest
238	LT238	1453.63	4682.17	S. Imbak	mudstone	N_2Tj	30	L.B.	R	C	S	W	primary forest
239	LT239	1453.40	4682.20	S. Imbak	sili. mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
240	LT240	1453.97	4682.40	S. Imbak	sili. mudstone	N_2Tj	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 N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
241	LT241	1453.57	4682.45	S. Imbak	mudstone	N_2Tj	30	Y.B.	R	C	S	W	primary forest
242	LT242	1453.98	4682.72	S. Imbak	porphyrite	N_2Tj	20	Y.B.	R	C	M	W	primary forest
243	LT243	1453.50	4682.70	S. Imbak	mudstone	N_2Tj	10	Y.B.	R	C	M	W	primary forest
244	LT244	1453.70	4683.17	S. Imbak	———	N_2Tj	30	Y.B.	R	C	M	W	primary forest
245	LT245	1453.39	4683.10	S. Imbak	———	N_2Tj	20	Y.B.	R	C	M	W	primary forest
246	LT246	1453.30	4683.32	S. Imbak	———	N_2Tj	20	Y.B.	F	C	M	W	primary forest
247	LT247	1453.80	4683.64	S. Imbak	———	N_2Tj	20	Y.B.	R	C	M	W	primary forest
248	LT248	1453.32	4683.65	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
249	LT249	1453.97	4683.82	S. Imbak	———	N_2Tj	20	Y.B.	R	C	M	W	primary forest
250	LT250	1453.35	4683.92	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
251	LT251	1453.72	4684.45	S. Imbak	———	P_3Lb	30	B.	R	C	M	W	primary forest
252	LT252	1453.55	4684.70	S. Imbak	———	P_3Lb	30	B.	R	C	M	W	primary forest
253	LT253	1454.00	4684.90	S. Imbak	sst/mudstone	P_3Lb	30	B.	R	C	F	W	primary forest
254	LT254	1453.95	4685.28	S. Imbak	sst/mudstone	P_3Lb	30	B.	R	C	M	W	primary forest
255	LT255	1453.60	4685.30	S. Imbak	sandstone	P_3Lb	30	B.	R	C	M	W	primary forest
256	LT256	1453.50	4685.75	S. Imbak	sandstone	P_3Lb	30	Y.B.	R	C	M	W	primary forest
257	LT257	1453.20	4680.08	S. Imbak	mudstone	N_2Tj	10	Y.B.	R	C	M	W	primary forest
258	LT258	1452.88	4680.30	S. Imbak	mudstone	N_2Tj	20	Y.B.	F	C	S	W	primary forest
259	LT259	1453.08	4680.39	S. Imbak	mudstone	N_2Tj	20	L.B.	R	C	M	W	primary forest
260	LT260	1452.95	4680.63	S. Imbak	mudstone	N_2Tj	10	Y.B.	F	C	S	W	primary forest
261	LT261	1452.65	4681.23	S. Imbak	———	N_2Tj	20	Y.B.	R	C	M	W	primary forest
262	LT262	1452.85	4681.03	S. Imbak	———	N_2Tj	20	Y.B.	R	C	M	W	primary forest
263	LT263	1452.98	4681.40	S. Imbak	sili. mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
264	LT264	1453.00	4681.68	S. Imbak	sili. mudstone	N_2Tj	20	L.B.	R	C	S	W	primary forest
265	LT265	1452.58	4681.40	S. Imbak	sili. mudstone	N_2Tj	20	Y.B.	F	C	M	W	primary forest
266	LT266	1452.58	4681.61	S. Imbak	sili. mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
267	LT267	1452.85	4681.97	S. Imbak	sili. mudstone	N_2Tj	20	L.B.	R	C	S	W	primary forest
268	LT268	1452.50	4681.95	S. Imbak	sili. mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
269	LT269	1452.45	4682.20	S. Imbak	sili. mudstone	N_2Tj	20	L.B.	R	C	S	W	primary forest
270	LT270	1452.85	4682.21	S. Imbak	sili. mudstone	N_2Tj	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 N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
271	LT271	1453.02	4682.43	S. Imbak	sili. mudstone	N_2Tj	10	Y.B.	R	C	S	W	primary forest
272	LT272	1452.70	4682.47	S. Imbak	sili. mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
273	LT273	1452.65	4682.74	S. Imbak	sili. mudstone	N_2Tj	20	Y.B.	R	C	S	W	primary forest
274	LT274	1452.95	4682.92	S. Imbak	———	N_2Tj	30	Y.B.	R	C	S	W	primary forest
275	LT275	1453.00	4683.70	S. Imbak	mudstone	N_2Tj	20	Y.B.	R	C	M	W	primary forest
276	LT276	1452.66	4684.10	S. Imbak	———	P_3Lb	30	B.	R	C	M	W	primary forest
277	LT277	1452.65	4684.52	S. Imbak	———	P_3Lb	30	B.	R	C	M	W	primary forest
278	LT278	1452.99	4684.92	S. Imbak	———	P_3Lb	30	L.B.	R	C	F	W	primary forest
279	LT279	1452.97	4685.48	S. Imbak	———	P_3Lb	30	B.	R	C	F	W	primary forest
280	LT280	1452.52	4685.25	S. Imbak	———	P_3Lb	30	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)

Appendix 35

Analytical results of soil geochemical samples in Area T

List of Geochemical Analysis(1)

Ser. No.	Sample No.	Location(km) X-coord	Location(km) 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	LT001	4679.730	1461.830	3	1>	76	5	67	8	208	.33	.19	24	1>	.05	16	13	.013	2.7	31	.37	2.2	2	5
2	LT002	4679.600	1461.550	1	1>	73	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>	1>	70	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	1>	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	1>	162	14	106	18	113	1.17	.63	252	1	.45	50	13	.018	4.9	73	.47	2.2	2>	48
6	LT006	4680.500	1461.340	3	1>	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	1>	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	1>	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	1>	44	2	60	3	221	.12	.09	12	1>	.03	7	9	.016	2.8	28	.37	2.0	2>	1>
10	LT010	4681.880	1461.350	3	1>	91	7	80	10	115	.44	.31	42	1>	.15	25	19	.012	2.9	38	.37	2.2	2>	28
11	LT011	4682.200	1461.720	10	1>	88	4	67	5	145	.35	.20	25	1>	.07	11	8	.012	5.0	38	.43	2.2	2>	6
12	LT012	4682.450	1461.400	18	2	71	3	60	6	195	.32	.20	23	1	.04	10	6	.017	6.1	32	.32	2.2	2>	3
13	LT013	4682.990	1461.110	10	1>	134	1>	86	8	177	.96	.38	35	1>	.10	17	8	.017	1.2	53	.43	2.4	2>	10
14	LT014	4683.150	1461.570	6	1>	53	1>	53	2	299	.28	.13	9	1	.03	6	5	.014	2.0	37	.29	1.8	2>	1>
15	LT015	4683.530	1461.350	2	1>	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	1>	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	1>	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	1>	196	24	101	20	137	1.38	.81	867	1	.45	53	19	.024	4.9	64	.48	2.6	2>	78
19	LT019	4684.620	1461.380	1>	1>	159	12	84	21	105	1.02	.58	274	1>	.25	36	15	.020	6.0	53	.46	2.4	2>	49
20	LT020	4684.980	1461.050	4	1>	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	1>	211	9	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	1>	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	1>	178	21	91	17	91	.97	.49	244	1	.46	34	16	.016	6.8	68	.55	2.4	2>	45
24	LT024	4679.520	1460.700	7	1>	109	7	88	11	203	.45	.29	134	2	.27	25	10	.019	2.4	47	.36	2.4	2>	16
25	LT025	4679.560	1460.240	5	1>	174	14	114	24	150	1.25	.72	145	1	.32	53	19	.018	4.5	62	.56	2.6	3	58
26	LT026	4680.220	1460.990	6	1>	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	1>	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	1>	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	1>	95	5	80	10	137	.44	.27	52	1	.14	21	9	.022	3.7	37	.37	2.4	2>	13
30	LT030	4680.630	1460.520	6	1>	119	8	91	14	252	.71	.34	52	1>	.14	28	7	.017	5.9	43	.47	2.6	2>	33
31	LT031	4681.150	1460.860	10	1>	125	12	79	16	150	.70	.41	105	1>	.36	34	13	.018	2.8	55	.48	2.2	2>	37
32	LT032	4681.320	1460.440	5	1>	100	7	79	12	144	.52	.32	63	1>	.13	26	10	.022	3.5	39	.40	2.0	2>	25
33	LT033	4681.510	1460.340	3	1>	116	8	90	17	149	.76	.39	65	1	.14	39	12	.019	3.5	42	.42	2.2	2>	35
34	LT034	4681.720	1460.830	1>	1>	85	7	77	9	138	.45	.25	30	1>	.07	17	4	.016	6.2	35	.40	2.2	2	10
35	LT035	4681.930	1460.450	1>	2	72	2	63	6	156	.31	.16	24	2	.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	1	.09	19	17	.012	6.0	54	.58	2.8	2>	12
37	LT037	4682.230	1460.960	8	2	62	2	66	3	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	1>	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	4	153	15	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	.73	.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>	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>	1	153	5	112	12	126	.89	.51	64	2	.19	32	23	.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	36	20	.019	7.7	67	.46	2.0	2>	44
50	LT050	4679.510	1459.850	1>	1>	182	8	89	11	140	1.25	.49	132	1	.47	26	16	.014	6.0	23	.34	2.4	2>	16

List of Geochemical Analysis(2)

Ser. No.	Sample No.	Location(km) X-coord	Location(km) 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
51	LT051	4679.470	1459.100	8	1>	117	1	92	14	103	.71	.32	30	2	.09	16	20	.021	8.5	44	.42	2.8	2>	4
52	LT052	4679.820	1459.020	8	1>	49	2	80	6	103	.18	.14	14	1	.04	13	12	.019	4.9	29	.31	2.4	2>	1>
53	LT053	4679.920	1459.880	2	1>	74	4	66	8	203	.28	.19	37	1	.18	15	8	.024	3.5	33	.29	2.2	2>	4
54	LT054	4679.870	1459.440	3	1>	112	10	87	12	133	.56	.39	179	1	.36	32	16	.015	4.9	50	.38	2.4	2>	28
55	LT055	4680.220	1459.050	8	1>	91	3	78	11	257	.45	.26	40	1>	.08	17	17	.015	9.3	40	.39	2.6	4	11
56	LT056	4680.430	1459.750	1>	1>	136	10	94	22	286	.90	.52	97	2	.31	47	25	.015	8.7	54	.45	2.4	2>	49
57	LT057	4680.540	1459.410	4	1>	87	5	89	12	160	.39	.23	52	2	.07	23	15	.018	6.1	33	.34	2.6	2>	21
58	LT058	4681.200	1459.950	9	1>	165	11	108	25	141	1.29	.68	105	1	.27	41	31	.017	7.5	57	.54	2.2	2>	60
59	LT059	4680.970	1459.400	1>	1>	138	6	103	23	109	.98	.46	35	1	.16	28	32	.014	4.9	50	.48	2.6	2>	37
60	LT060	4681.300	1459.180	1>	1>	123	10	81	19	111	.65	.36	230	1>	.14	29	16	.023	6.0	46	.44	2.4	4	33
61	LT061	4681.870	1459.460	2	1>	133	7	93	17	95	.83	.45	71	1	.18	32	25	.018	7.0	46	.45	2.4	2>	36
62	LT062	4682.050	1459.910	2	1>	120	6	82	13	140	.69	.42	78	2	.52	27	21	.015	6.0	58	.40	2.2	2>	29
63	LT063	4682.280	1459.400	5	1>	141	13	92	15	88	1.02	.57	120	3	.21	36	29	.017	13.6	53	.51	2.4	3	41
64	LT064	4682.340	1459.100	10	1>	169	9	95	25	122	1.40	.64	141	3	.31	26	32	.023	9.6	68	.52	3.0	3	42
65	LT065	4682.700	1459.550	45	3	102	6	77	14	82	.56	.32	127	1>	.36	26	31	.019	9.4	46	.33	1.8	2>	25
66	LT066	4682.770	1458.960	24	2	114	7	72	13	495	.61	.34	96	1>	.45	24	22	.020	8.5	51	.33	2.2	2>	24
67	LT067	4682.960	1459.210	9	1>	146	8	87	18	126	1.06	.50	112	1	.41	18	21	.024	6.7	59	.45	2.6	2>	32
68	LT068	4683.080	1459.840	26	4	120	10	71	18	155	.61	.37	204	1	.39	27	30	.015	7.6	49	.31	2.2	2>	35
69	LT069	4683.160	1459.550	17	1>	182	16	84	16	139	1.15	.64	561	2	.16	39	23	.017	8.9	54	.47	2.4	2	59
70	LT070	4683.530	1459.770	6	1>	167	8	77	16	115	1.09	.51	46	2	.12	26	29	.016	8.5	56	.48	2.4	3	39
71	LT071	4683.350	1459.280	1>	1>	85	3	57	6	74	.35	.20	25	1	.05	13	19	.012	5.2	38	.35	2.2	2>	7
72	LT072	4683.800	1459.350	15	1>	229	19	104	27	72	1.55	.93	484	1	.73	54	32	.016	7.4	83	.46	2.4	2>	74
73	LT073	4684.080	1459.870	5	1>	149	8	77	20	606	.77	.41	330	2	.12	23	41	.016	6.6	51	.46	2.4	2>	38
74	LT074	4684.420	1459.280	5	1>	143	18	79	11	189	.84	.54	626	1>	.23	38	29	.015	3.5	54	.41	2.0	2>	63
75	LT075	4684.800	1459.600	5	1>	100	8	80	6	154	.39	.24	275	1	.07	40	20	.012	7.5	45	.33	2.0	2	12
76	LT076	4685.250	1459.720	5	1>	125	2	61	10	157	.63	.33	62	1	.09	16	18	.016	5.6	49	.38	2.2	2>	19
77	LT077	4679.900	1458.700	3	1>	130	5	159	14	114	.65	.33	77	2	.14	41	34	.019	7.4	46	.46	2.6	2>	26
78	LT078	4680.850	1458.780	13	1>	135	8	91	20	122	.73	.37	92	2	.21	21	18	.020	6.4	53	.44	2.6	2>	27
79	LT079	4679.850	1458.230	13	1	144	14	95	28	138	.97	.51	146	1	.29	41	32	.019	8.2	56	.46	2.6	2>	44
80	LT080	4680.340	1458.420	13	1>	118	8	101	20	631	.75	.47	46	1	.11	35	31	.017	5.1	45	.42	2.8	2>	43
81	LT081	4680.650	1458.190	5	1>	98	2	80	9	146	.45	.29	30	1	.09	19	19	.019	3.2	42	.45	2.2	2>	37
82	LT082	4680.920	1458.400	11	1>	153	11	95	24	205	1.02	.55	154	2	.28	34	32	.026	11.7	59	.47	2.8	2>	49
83	LT083	4681.320	1458.750	4	1>	114	6	76	12	63	.59	.36	64	2	.27	24	18	.011	6.7	48	.39	2.6	2>	25
84	LT084	4681.470	1458.560	6	1>	105	5	80	12	133	.60	.31	31	2	.13	18	22	.017	3.5	43	.42	2.6	2>	11
85	LT085	4681.450	1458.210	6	1>	127	10	92	19	132	.79	.46	93	2	.18	35	19	.014	8.5	48	.46	2.2	3	43
86	LT086	4681.700	1458.030	10	1>	121	5	78	13	90	.56	.35	33	2	.13	21	18	.022	7.8	45	.42	2.4	3	16
87	LT087	4681.750	1458.920	15	1>	117	12	74	12	167	.69	.42	213	1>	.35	29	24	.015	5.0	49	.39	2.6	2>	40
88	LT088	4681.950	1458.850	2	1>	79	4	62	9	111	.33	.24	37	1	.18	17	20	.021	3.2	35	.31	2.2	2>	10
89	LT089	4681.950	1458.380	12	1>	107	6	71	12	88	.59	.36	136	2	.43	26	22	.023	10.3	53	.34	2.4	2>	22
90	LT090	4682.420	1458.560	32	1>	124	9	72	12	81	.49	.34	56	1>	.30	23	21	.020	8.4	46	.32	2.4	2>	38
91	LT091	4682.800	1458.180	11	1>	193	11	89	15	101	1.38	.60	231	1	.22	26	21	.017	11.2	65	.48	2.4	3	43
92	LT092	4682.980	1458.700	9	1>	87	9	48	6	150	.38	.19	566	1	.07	9	23	.016	7.0	37	.34	2.0	2>	1>
93	LT093	4683.100	1458.280	9	1>	120	4	70	9	109	.69	.31	38	2	.10	14	28	.017	5.2	47	.39	2.4	2	5
94	LT094	4683.730	1458.850	1>	1>	138	2	70	13	139	.82	.41	113	1>	.13	15	26	.024	5.9	54	.39	2.0	2>	17
95	LT095	4683.800	1458.400	11	1>	85	3	62	5	103	.35	.30	43	1	.11	15	16	.017	3.7	42	.39	2.4	2>	11
96	LT096	4683.900	1458.040	7	1>	117	6	87	8	108	.50	.39	52	1>	.08	25	21	.019	9.3	46	.42	2.2	2>	27
97	LT097	4684.240	1458.750	1	1>	507	3	34	4	177	.14	.08	193	1	.03	9	16	.015	4.9	42	.29	1.6	2>	1>
98	LT098	4684.200	1458.280	1>	1>	159	9	64	10	88	.91	.44	107	1>	.32	23	13	.014	4.3	57	.36	2.2	2>	22
99	LT099	4684.680	1458.000	1>	1>	195	5	79	14	139	1.20	.45	98	1>	.16	24	12	.020	6.3	62	.41	2.2	2>	21
100	LT100	4684.900	1458.900	1>	1>	18	1>	23	2	628	.06	.01>	8	1>	.02	5	4	.026	.7	23	.10	1.0	2>	1>

List of Geochemical Analysis(3)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) 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
101	LT101	4685.150	1458.380	2	1>	96	1	62	3	318	.51	.26	19	1>	.08	8	13	.014	6.5	60	.36	2.2	2>	1>
102	LT102	4679.700	1457.550	9	1>	127	9	79	18	188	.71	.34	68	1	.23	32	14	.017	2.2	42	.39	2.4	2>	25
103	LT103	4679.900	1457.080	1>	3	148	24	81	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	.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	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	.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	.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	.86	.44	140	1	.42	35	15	.016	3.5	63	.43	2.2	2>	33
109	LT109	4681.030	1457.140	1>	1>	70	3	63	6	145	.28	.14	23	1>	.12	19	10	.020	1.6	32	.28	2.2	2>	1>
110	LT110	4681.170	1457.380	7	1>	118	5	79	13	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	.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	.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	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	.69	.33	74	1	.09	27	11	.026	6.5	39	.37	2.4	2>	23
115	LT115	4682.350	1457.950	14	2	143	14	109	19	391	1.06	.56	174	1	.50	37	23	.024	3.7	57	.42	2.4	2>	36
116	LT116	4682.650	1457.400	46	2	123	9	76	17	87	.75	.34	121	1>	.41	28	22	.021	4.9	49	.32	2.2	2>	29
117	LT117	4682.830	1457.650	17	2	144	7	88	18	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	.85	.42	303	1>	.54	32	19	.020	4.1	59	.34	2.4	3	30
119	LT119	4683.220	1457.350	1>	1>	150	4	83	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	.44	.16	211	1>	.05	10	10	.024	1.8	36	.31	2.0	2>	1>
121	LT121	4683.880	1457.120	1>	1>	174	15	118	18	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	.63	.27	27	1>	.09	14	13	.023	5.5	45	.33	1.8	2>	3
123	LT123	4684.340	1457.200	1>	1>	94	2	68	5	322	.56	.25	16	1>	.07	9	14	.014	4.8	48	.38	2.2	2>	1>
124	LT124	4684.800	1457.570	4	1>	29	1>	30	3	528	.13	.08	23	1>	.02	8	7	.017	1.0	37	.22	1.6	2>	1>
125	LT125	4684.780	1457.440	2	1>	170	8	77	16	128	1.29	.58	106	1>	.25	24	24	.019	6.6	53	.47	2.4	2	40
126	LT126	4684.700	1457.050	6	1>	179	17	95	16	88	1.26	.65	190	2	.21	42	21	.022	9.3	51	.52	2.8	2>	58
127	LT127	4685.350	1457.900	1>	1>	58	1	77	4	356	.31	.24	20	1>	.08	13	13	.021	3.5	54	.37	2.4	2>	15
128	LT128	4685.190	1457.540	5	1>	48	1>	50	2	227	.21	.14	10	1	.04	5	8	.015	2.4	48	.32	2.2	2>	1>
129	LT129	4685.680	1457.500	2	1>	60	1>	67	3	287	.26	.15	20	1	.04	13	14	.016	2.3	53	.25	2.0	2>	1>
130	LT130	4679.800	1456.800	1>	1>	119	5	81	18	97	.71	.34	54	1>	.10	25	10	.015	5.1	41	.37	2.4	2>	25
131	LT131	4680.700	1456.260	3	1>	113	11	84	20	89	.58	.32	107	1	.13	31	15	.016	2.6	44	.37	2.4	2>	107
132	LT132	4680.050	1456.200	1>	1>	135	13	88	24	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	.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	.43	.26	53	1	.12	21	11	.015	2.3	37	.38	2.2	2>	19
135	LT135	4681.450	1456.900	1	1>	74	5	71	6	102	.29	.25	35	1>	.16	17	11	.016	3.1	36	.35	2.2	2>	21
136	LT136	4681.420	1456.480	1>	1>	138	7	90	15	84	.88	.41	136	1	.21	24	12	.019	3.9	49	.45	2.4	2>	30
137	LT137	4681.710	1456.600	4	1>	95	3	67	7	141	.36	.21	25	1>	.08	16	11	.023	3.0	35	.42	2.4	2>	10
138	LT138	4681.710	1456.000	4	1>	132	9	105	21	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	1.11	.50	60	1	.18	27	18	.021	4.9	54	.50	2.8	2>	39
140	LT140	4682.140	1456.260	1>	1>	141	7	93	17	219	.93	.49	75	2	.22	29	19	.021	3.9	54	.48	2.6	2>	44
141	LT141	4682.480	1456.950	6	1>	198	19	95	15	63	1.16	.73	380	2	.60	41	19	.021	7.6	65	.47	2.0	2	58
142	LT142	4682.550	1456.600	26	1>	169	15	97	16	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	.69	.31	150	1>	.45	28	23	.016	6.1	52	.31	2.0	2>	26
144	LT144	4682.780	1456.850	15	1	99	4	66	9	108	.46	.23	48	1>	.30	17	14	.015	4.4	41	.31	2.2	2>	16
145	LT145	4682.780	1456.350	44	3	121	8	64	15	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	.74	.32	101	1>	.46	26	21	.019	2.9	49	.32	2.4	2>	33
147	LT147	4683.150	1456.880	1>	1>	113	4	57	6	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	1.00	.40	116	1>	.39	23	34	.022	3.4	45	.37	2.2	2>	53
149	LT149	4683.380	1456.350	1>	1>	306	21	90	20	116	1.64	.89	1258	1	.47	48	19	.028	5.6	94	.48	2.4	2>	70
150	LT150	4683.500	1456.900	1>	1>	115	3	60	8	89	.57	.27	57	1	.10	17	13	.020	4.9	41	.38	2.4	2>	19

List of Geochemical Analysis(4)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) 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
151	LT151	4683.400	1456.720	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	LT152	4683.840	1456.080	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	LT153	4684.080	1457.040	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	LT154	4684.100	1456.450	3	1>	142	4	76	11	89	.97	.46	68	1>	.13	21	15	.022	3.8	44	.40	2.2	2>	38
155	LT155	4684.250	1456.150	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	LT156	4684.520	1456.210	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	LT157	4685.130	1456.650	9	1>	222	27	91	25	137	1.81	.82	509	1>	.56	39	13	.023	2.5	74	.47	2.6	2>	65
158	LT158	4685.150	1456.100	1>	1>	161	6	86	14	102	1.19	.53	60	1>	.21	29	17	.023	3.8	57	.45	2.6	2>	46
159	LT159	4685.280	1457.040	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	LT160	4685.680	1456.600	1>	1>	96	2	63	6	257	.58	.26	22	1	.11	16	13	.016	3.1	77	.33	1.8	2>	12
161	LT161	4685.580	1456.080	10	1>	83	3	48	6	130	.42	.23	164	1	.09	12	5	.017	1.7	45	.28	2.0	2>	9
162	LT162	4679.330	1455.980	1>	1>	135	10	89	18	86	1.07	.49	79	1>	.50	41	6	.011	.2	57	.39	2.8	2>	35
163	LT163	4679.550	1455.680	5	1>	70	4	78	6	156	.22	.22	32	1>	.08	19	5	.017	2.0	33	.33	2.2	2>	20
164	LT164	4679.400	1455.180	10	1>	117	8	75	11	99	.54	.29	60	1	.27	29	15	.023	1.6	43	.36	2.0	2>	28
165	LT165	4680.050	1455.770	3	1>	121	9	91	15	52	.76	.36	117	1>	.12	30	7	.019	.2>	42	.44	2.4	2>	30
166	LT166	4680.080	1455.400	13	1>	73	2	78	9	128	.33	.27	52	1>	.12	28	6	.027	2.0	34	.35	2.4	2>	18
167	LT167	4680.370	1455.600	7	1>	175	21	93	20	84	1.20	.65	487	1>	.93	41	10	.022	4.1	88	.44	2.4	2>	57
168	LT168	4680.780	1455.670	13	1>	137	11	82	14	79	.79	.46	155	1>	.44	35	11	.019	.2>	56	.44	2.6	2>	37
169	LT169	4680.920	1455.360	2	1>	88	4	82	9	109	.44	.32	54	1>	.24	24	8	.017	.2>	42	.37	2.6	2>	22
170	LT170	4681.220	1455.380	3	1>	110	7	77	12	78	.63	.38	109	1	.52	30	5	.021	1.4	54	.34	2.8	2>	30
171	LT171	4681.550	1455.560	18	2	71	1>	81	9	115	.30	.24	45	1>	.10	15	11	.019	.2>	36	.37	2.2	2>	17
172	LT172	4681.580	1455.320	237	10	116	7	76	25	143	.71	.24	167	1>	.33	24	55	.017	4.7	44	.32	2.4	2>	27
173	LT173	4681.750	1455.180	11	1>	109	6	81	13	88	.68	.34	68	1>	.31	24	12	.025	.2>	49	.42	2.4	2>	33
174	LT174	4682.040	1455.680	41	1>	71	1>	64	8	105	.24	.15	32	1	.06	11	16	.019	2.6	30	.32	2.2	2>	13
175	LT175	4682.080	1455.480	30	2	111	7	74	13	77	.60	.26	222	1>	.40	27	13	.017	4.8	48	.31	2.4	2>	24
176	LT176	4682.020	1455.030	17	2	73	1>	66	8	69	.30	.17	37	1>	.07	12	8	.021	.9	32	.36	2.4	2>	5
177	LT177	4682.330	1455.400	10	1	106	4	79	13	130	.55	.31	76	1>	.20	19	10	.024	4.5	45	.40	2.2	2>	30
178	LT178	4682.770	1455.800	19	2	168	16	99	19	66	1.19	.69	357	1	.40	43	15	.020	4.0	56	.45	2.6	2>	62
179	LT179	4682.720	1455.300	36	4	116	8	74	15	74	.53	.28	98	2	.38	26	16	.026	2.7	47	.32	2.2	2>	37
180	LT180	4683.040	1455.340	25	3	120	3	73	8	77	.60	.31	43	1	.08	18	22	.014	2.6	40	.50	2.6	2>	25
181	LT181	4683.240	1455.780	61	0	129	7	92	20	88	.69	.37	80	1	.21	31	45	.021	.2>	40	.42	2.6	2>	111
182	LT182	4683.420	1455.190	17	3	137	3	88	14	115	.83	.44	44	1>	.12	21	13	.017	1.2	47	.52	2.8	2>	72
183	LT183	4683.570	1455.510	51	4	119	5	84	15	182	.61	.40	75	1>	.17	23	32	.024	.2>	41	.46	2.6	2>	100
184	LT184	4683.950	1455.390	16	2	119	3	78	9	306	.62	.35	47	1	.10	21	15	.013	.2>	45	.49	2.6	2>	66
185	LT185	4684.400	1455.580	10	1>	138	3	82	9	102	.70	.40	35	1>	.10	18	14	.025	1.9	50	.51	2.4	2>	58
186	LT186	4684.950	1455.850	9	1>	164	10	93	15	63	1.09	.58	110	2	.20	37	15	.014	6.0	59	.51	2.8	2>	98
187	LT187	4684.730	1455.150	3	1>	151	8	86	13	89	.85	.48	52	1	.13	24	20	.018	2.4	50	.49	2.6	2>	80
188	LT188	4685.400	1455.620	5	1>	84	1>	67	3	89	.41	.26	15	2	.05	11	13	.014	.3	47	.39	2.0	2>	43
189	LT189	4685.490	1455.100	4	1>	149	2	101	13	95	.98	.47	42	1>	.13	24	16	.019	.2>	57	.46	2.4	2>	61
190	LT190	4679.400	1454.630	6	1>	103	5	99	12	120	.54	.33	24	2	.10	24	19	.012	.2>	39	.42	2.4	2>	67
191	LT191	4679.430	1454.120	3	1>	80	2	93	10	83	.36	.28	29	1>	.09	18	16	.016	.2>	36	.41	2.4	2>	57
192	LT192	4679.880	1454.870	7	1>	80	2	91	7	124	.32	.26	31	1	.08	16	11	.020	.9	39	.43	2.6	2>	68
193	LT193	4679.910	1454.180	6	1>	103	4	106	11	133	.49	.35	30	1>	.10	20	16	.017	.5	43	.47	2.4	2>	54
194	LT194	4680.300	1454.920	8	1>	85	4	90	9	58	.35	.31	40	1	.07	27	8	.013	.2>	37	.43	2.4	2>	74
195	LT195	4680.410	1454.640	10	1>	97	6	84	9	149	.37	.29	51	1>	.15	25	11	.022	1.3	39	.39	2.2	2>	70
196	LT196	4680.220	1454.080	14	1>	113	4	104	15	167	.55	.37	28	1>	.13	23	14	.015	1.6	47	.47	2.4	2>	61
197	LT197	4680.620	1454.220	1>	1>	94	5	96	8	183	.39	.24	41	1	.10	24	9	.018	.6	36	.37	2.2	2>	58
198	LT198	4680.650	1453.960	8	1>	116	9	87	15	152	.63	.31	256	1>	.26	27	15	.016	.2>	54	.40	2.6	2>	67
199	LT199	4680.830	1454.920	14	1>	127	5	93	17	110	.78	.37	71	1>	.22	20	13	.022	1.4	52	.46	2.2	2>	64
200	LT200	4680.870	1454.750	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	Location(km) 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
201	LT201	4681.070	1454.350	10	1>	155	15	92	22	374	.91	.31	173	1>	.53	31	19	.023	1.1	112	.43	2.6	2>	83
202	LT202	4681.350	1454.830	1>	1>	64	3	71	5	112	.24	.15	31	1>	.07	13	9	.014	.2>	28	.31	2.8	2>	39
203	LT203	4681.550	1454.600	5	1	435	15	50	4	77	1.76	.62	602	2	1.43	28	20	.018	1.0	169	.36	2.8	2>	79
204	LT204	4681.470	1454.200	28	2	107	7	115	10	135	.46	.21	36	1>	.21	31	11	.013	5.8	58	.41	2.6	2>	71
205	LT205	4682.300	1454.850	16	4	146	3	157	19	90	.71	.29	19	1>	.16	41	15	.017	1.5	36	.46	2.6	2>	57
206	LT206	4682.030	1454.570	9	1>	160	3	191	10	190	.81	.27	50	1>	.18	37	8	.020	2.3	37	.43	2.8	2>	48
207	LT207	4682.420	1454.380	8	5	123	7	178	19	97	.62	.29	38	1>	.13	123	18	.026	1.4	41	.44	2.6	2>	66
208	LT208	4682.650	1454.960	60	37	78	1>	242	17	122	.40	.12	25	1	.05	49	48	.019	4.9	16	.34	2.6	2>	44
209	LT209	4682.750	1454.620	32	30	77	2	159	8	74	.42	.07	26	1>	.06	72	107	.012	2.8	12	.34	2.8	2>	32
210	LT210	4682.900	1454.280	14	1	205	14	149	24	68	1.58	.86	317	2	.59	74	27	.022	6.8	47	.49	2.4	2>	108
211	LT211	4683.100	1454.850	47	42	39	1>	142	15	203	.16	.06	20	1	.06	44	49	.021	7.5	11	.37	2.8	4	38
212	LT212	4683.420	1454.750	13	2	174	8	128	22	105	1.17	.63	136	1>	.38	43	26	.025	4.8	61	.50	2.8	2>	92
213	LT213	4683.300	1454.420	33	8	154	11	166	23	82	.98	.53	127	1>	.30	58	20	.026	1.9	32	.42	2.4	2>	89
214	LT214	4683.270	1454.100	58	6	140	8	395	39	160	.81	.27	181	1>	.19	112	92	.032	3.1	36	.52	3.6	2>	172
215	LT215	4683.550	1454.300	69	8	179	7	184	48	137	.89	.26	135	1	.19	71	81	.024	6.5	42	.57	5.0	2	134
216	LT216	4683.800	1454.950	90	8	167	13	242	38	59	1.15	.53	431	1>	.44	72	49	.021	.5	52	.38	2.4	2>	74
217	LT217	4683.800	1454.680	93	21	177	15	249	42	118	1.23	.59	418	1	.51	110	40	.029	4.3	52	.42	2.6	2>	95
218	LT218	4684.000	1454.880	54	9	118	4	140	16	89	.62	.25	50	1>	.10	45	36	.014	.2>	35	.45	3.0	3	33
219	LT219	4684.180	1454.320	1>	1>	168	14	106	13	127	.98	.33	387	1>	.48	43	18	.021	1.1	71	.37	2.2	2>	43
220	LT220	4684.320	1454.050	1>	1>	152	5	121	13	183	1.15	.34	61	1>	.24	44	15	.021	.2>	95	.39	2.2	2>	26
221	LT221	4684.550	1454.580	12	2	119	7	242	27	116	.71	.30	36	2	.12	55	17	.018	3.5	57	.51	2.4	2>	22
222	LT222	4685.100	1454.400	81	1	120	90	7092	153	128	.68	.31	331	2	.15	3510	131	.976	132.5	53	.54	2.6	2>	271
223	LT223	4685.450	1454.700	7	1>	121	7	205	15	87	.70	.31	96	1>	.09	63	12	.019	2.1	43	.37	2.4	2>	27
224	LT224	4679.500	1453.850	6	1>	109	5	216	18	116	.54	.25	32	1>	.07	57	9	.017	3.6	35	.38	2.4	2>	15
225	LT225	4679.820	1453.220	6	1>	162	15	176	27	98	1.23	.46	285	1>	.31	67	15	.026	1.3	49	.48	2.2	3	41
226	LT226	4679.920	1453.580	2	1>	115	7	139	19	171	.70	.27	110	1>	.33	47	18	.021	1.8	64	.38	2.6	2>	30
227	LT227	4680.150	1453.860	1>	1>	125	11	119	18	179	.90	.32	210	1>	.52	43	10	.017	1.2	60	.39	2.4	2>	21
228	LT228	4680.420	1453.800	4	1	130	6	113	19	255	.76	.29	117	2	.33	39	12	.022	.2>	74	.39	2.4	3	26
229	LT229	4680.480	1453.370	1>	1>	129	8	111	16	242	1.06	.30	68	1>	.44	35	10	.019	4.7	76	.39	2.2	2>	21
230	LT230	4680.820	1453.700	1>	1>	206	17	100	27	198	1.24	.40	722	1>	.61	46	16	.024	7.2	109	.38	2.4	2>	45
231	LT231	4681.120	1453.950	401	1>	153	5	93	17	610	1.13	.17	51	2	.21	24	12	.016	2.7	124	.41	2.4	5	21
232	LT232	4681.050	1453.580	5	1>	149	15	89	21	174	1.23	.34	234	1	.46	36	17	.018	5.1	57	.40	2.6	2>	36
233	LT233	4681.260	1453.270	93	11	144	8	93	22	171	1.00	.26	253	1	.13	17	16	.014	7.2	36	.39	2.6	2>	16
234	LT234	4681.520	1453.770	10	1>	144	5	90	14	104	.84	.26	46	2	.18	24	8	.019	4.3	66	.41	2.2	2>	14
235	LT235	4681.770	1453.950	120	12	114	4	87	16	167	.66	.18	39	1	.18	14	55	.016	5.8	27	.43	2.4	4	13
236	LT236	4681.680	1453.420	115	18	162	14	83	18	214	.98	.28	432	1>	.31	23	39	.026	3.8	47	.39	2.4	2>	34
237	LT237	4681.980	1453.340	330	25	188	24	100	34	179	1.17	.29	344	2	.25	26	186	.028	5.4	30	.42	2.6	2>	47
238	LT238	4682.170	1453.630	321	43	218	18	71	25	337	1.17	.27	522	1	.35	21	115	.028	6.2	60	.40	2.4	2>	92
239	LT239	4682.200	1453.400	81	14	241	1>	105	33	90	1.56	.23	52	1	.19	15	47	.018	2.1	38	.46	2.8	2>	27
240	LT240	4682.400	1453.970	7	1>	136	4	89	14	121	.79	.24	92	1>	.21	15	12	.019	.2>	34	.46	3.0	2>	17
241	LT241	4682.450	1453.570	176	35	106	2	85	13	201	.82	.17	24	1	.08	7	124	.014	6.5	17	.42	2.2	4	1>
242	LT242	4682.720	1453.980	4	1>	109	1	74	11	91	.64	.13	33	2	.13	12	14	.016	3.4	37	.41	2.4	2	3
243	LT243	4682.700	1453.500	29	5	165	1>	100	17	179	1.26	.19	31	2	.15	8	77	.024	3.8	29	.48	2.6	2>	10
244	LT244	4683.170	1453.700	1>	1>	215	13	108	24	110	1.13	.60	231	1	.30	49	15	.020	2.3	57	.60	2.6	2>	69
245	LT245	4683.100	1453.390	8	1>	160	4	90	17	105	.89	.19	26	1>	.15	20	24	.019	4.3	26	.47	2.6	2>	9
246	LT246	4683.320	1453.300	15	1>	188	3	93	23	105	1.05	.23	39	2	.17	16	22	.016	5.7	28	.49	2.8	2	19
247	LT247	4683.640	1453.800	69	1>	238	22	85	32	165	1.31	.53	1151	1	.37	48	33	.020	2.0	58	.52	2.6	2>	77
248	LT248	4683.650	1453.320	158	25	170	9	75	43	232	.85	.22	275	2	.16	26	127	.025	6.9	34	.47	4.2	4	141
249	LT249	4683.820	1453.970	1>	2	233	21	106	33	65	1.62	.90	433	1>	.53	50	33	.011	2.7	68	.51	3.0	2>	93
250	LT250	4683.920	1453.350	124	9	184	12	73	50	135	1.08	.25	289	2	.21	31	118	.021	6.2	41	.49	4.6	4	121

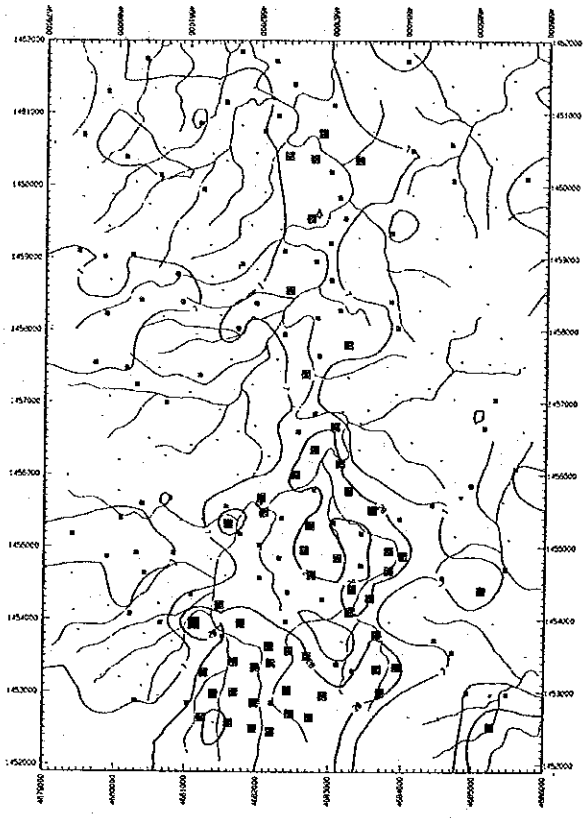
List of Geochemical Analysis(6)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) 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
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	.10	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	4685.280	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	1453.080	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	1452.850	19	8	97	3	82	6	133	.61	.21	20	1	.08	12	13	.015	10.1	18	.40	2.6	2	3
263	LT263	4681.400	1452.980	89	14	204	14	90	24	161	.97	.24	390	1	.12	19	46	.029	5.3	22	.41	2.8	2>	31
264	LT264	4681.680	1453.000	126	39	144	9	79	12	130	.82	.23	286	1	.09	17	19	.020	6.7	15	.34	2.4	2>	7
265	LT265	4681.400	1452.580	4	5	97	3	87	8	101	.36	.16	24	1>	.08	23	21	.010	6.1	12	.35	2.6	2>	20
266	LT266	4681.610	1452.580	28	4	129	3	85	9	125	.63	.20	41	1>	.10	15	13	.021	8.9	26	.42	2.4	2>	74
267	LT267	4681.970	1452.850	97	36	215	1	108	17	153	1.47	.30	64	2	.09	7	330	.024	2.3	46	.43	2.6	7	1>
268	LT268	4681.950	1452.500	233	16	106	1>	105	11	589	.58	.07	14	1>	.07	6	57	.018	9.2	19	.35	2.6	10	1>
269	LT269	4682.200	1452.450	107	16	211	2	107	43	226	1.24	.23	39	2	.11	9	32	.034	3.3	29	.38	2.6	2>	7
270	LT270	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
271	LT271	4682.430	1453.020	164	2	167	1>	101	43	149	1.22	.24	31	1>	.10	8	51	.018	4.8	22	.35	2.6	2>	26
272	LT272	4682.470	1452.700	188	12	152	1>	92	19	102	.92	.19	24	1>	.06	10	70	.008	2.5	24	.29	2.4	2>	1>
273	LT273	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	3	1>
274	LT274	4682.920	1452.950	57	7	56	1>	67	9	230	.32	.08	14	1>	.03	6	46	.021	2.0	12	.39	2.6	2>	1>
275	LT275	4683.700	1453.000	142	19	176	12	82	49	216	.78	.23	227	2	.12	29	145	.024	6.8	42	.56	5.4	5	145
276	LT276	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
277	LT277	4684.520	1452.650	1>	1>	203	18	79	23	98	1.15	.55	307	1	.46	31	26	.016	3.0	108	.41	2.8	2>	52
278	LT278	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
279	LT279	4685.480	1452.970	17	1>	129	11	69	14	130	.49	.21	184	1>	.16	28	21	.015	.5	63	.38	3.0	2>	35
280	LT280	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



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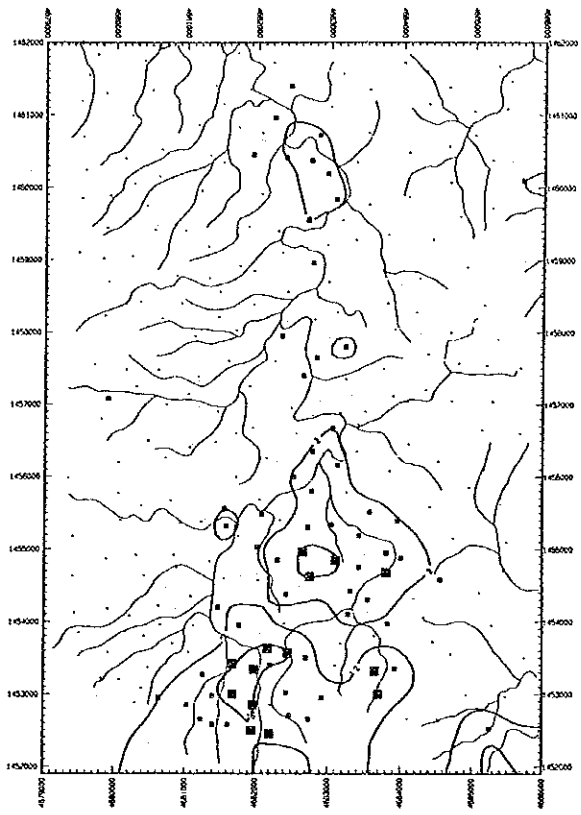

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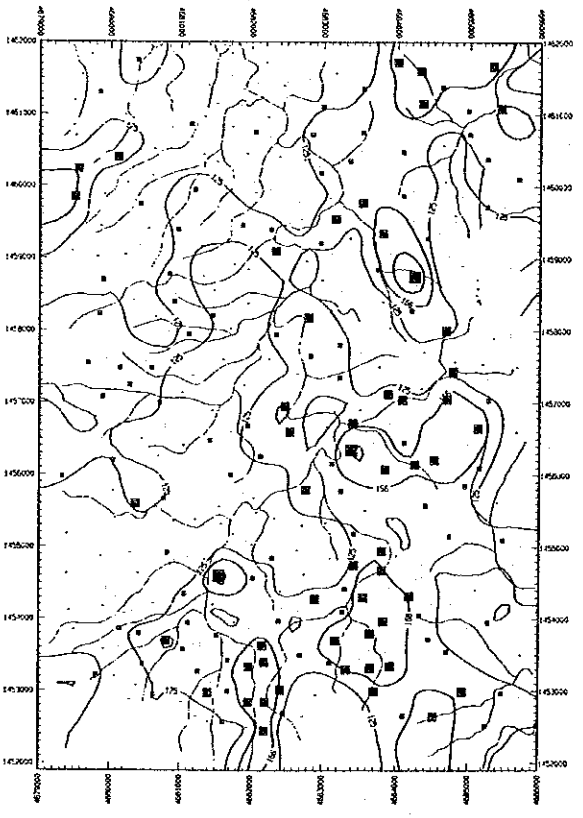

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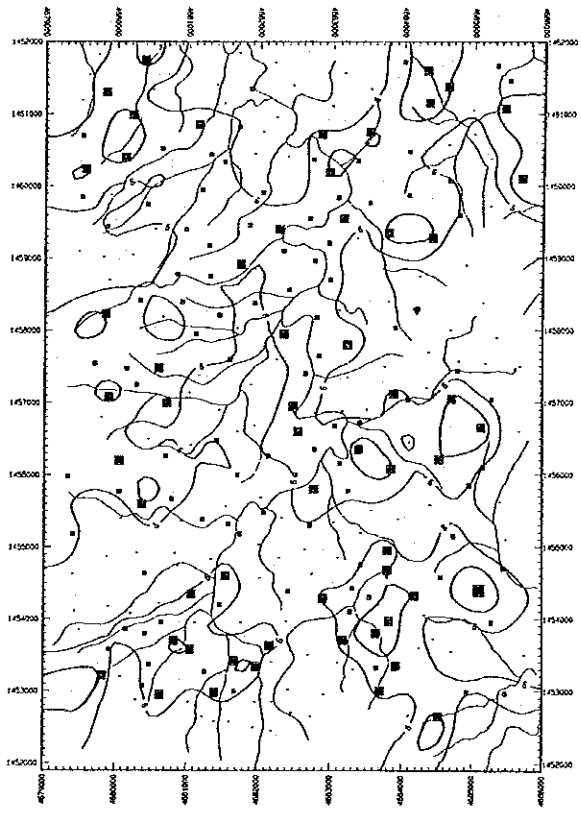
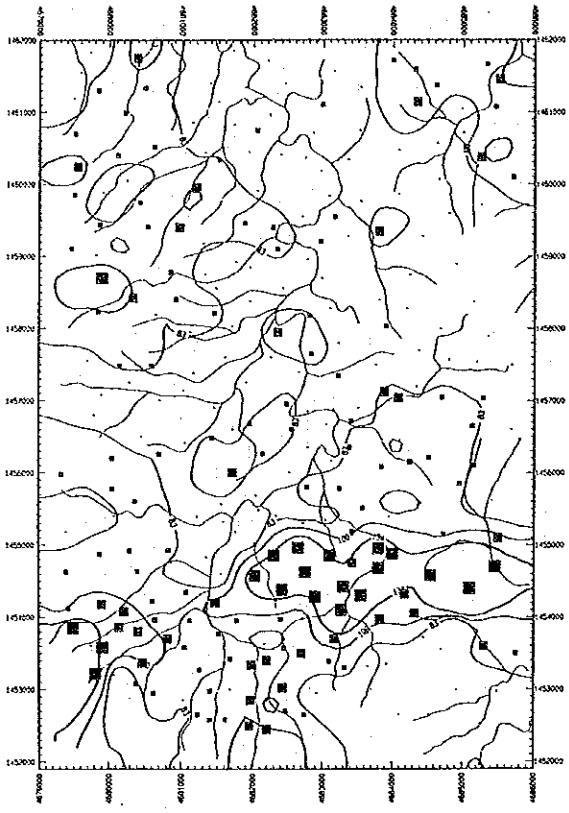


Co

Soil



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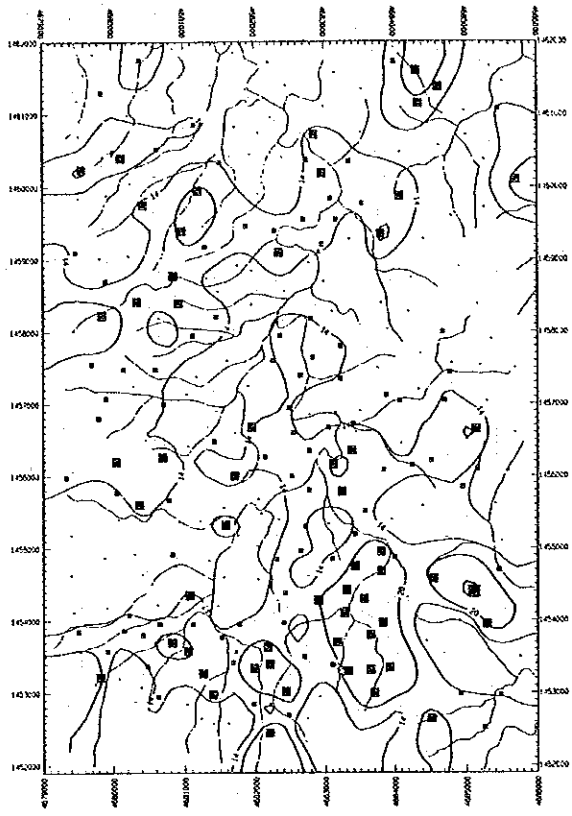

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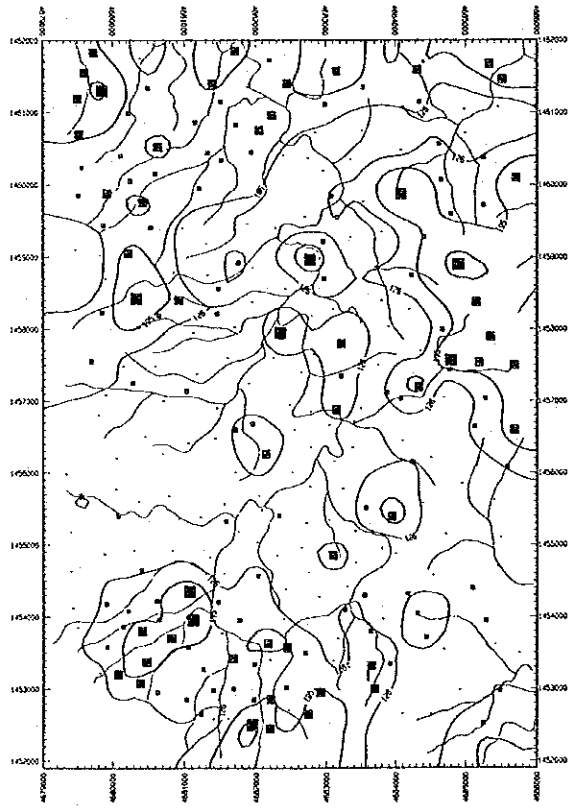

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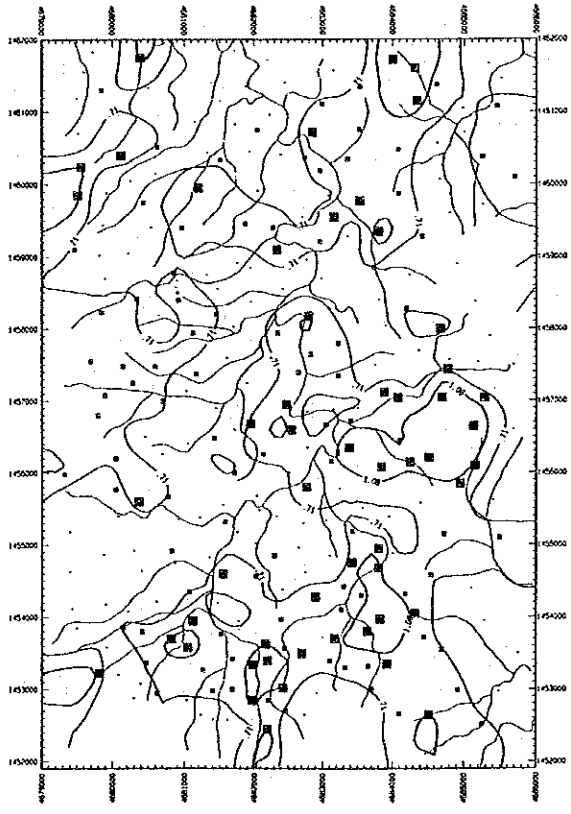
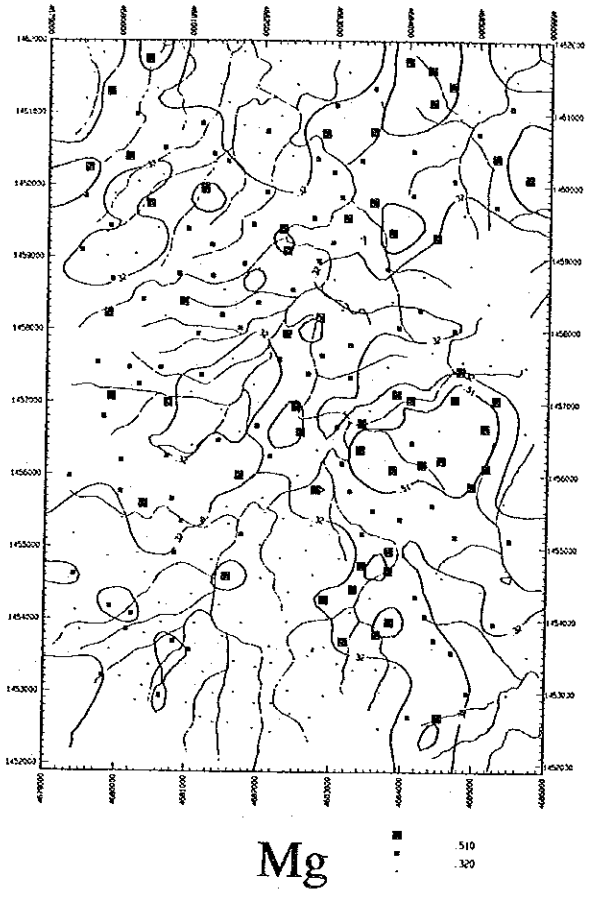


K

Soil



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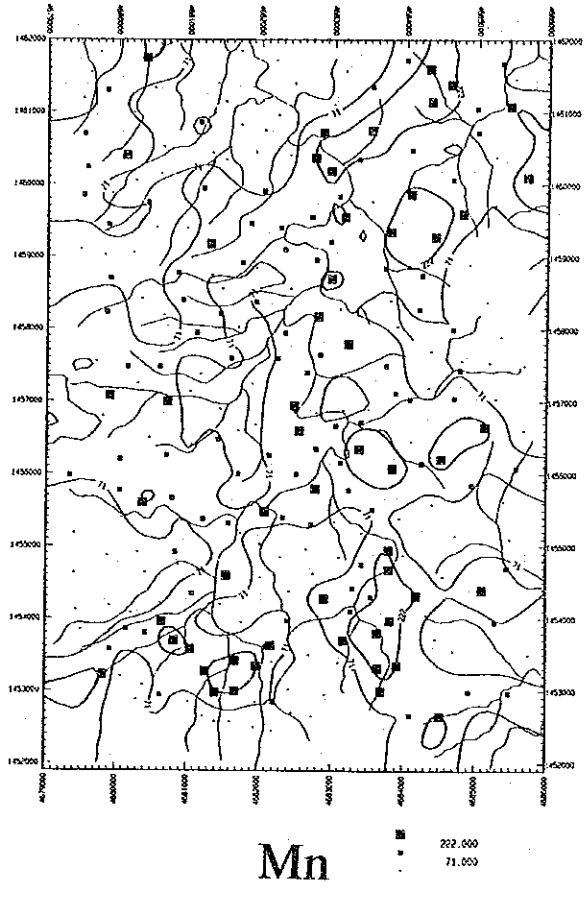

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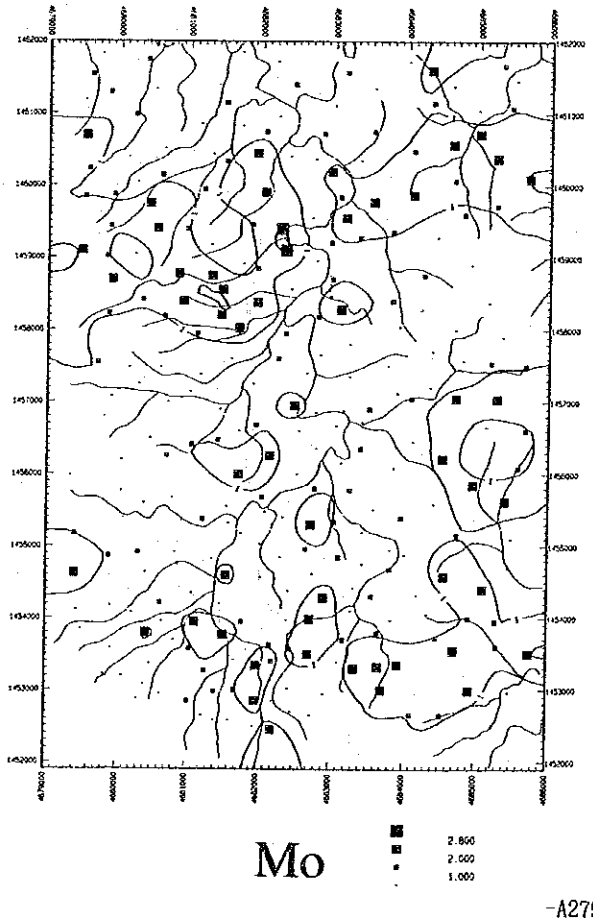

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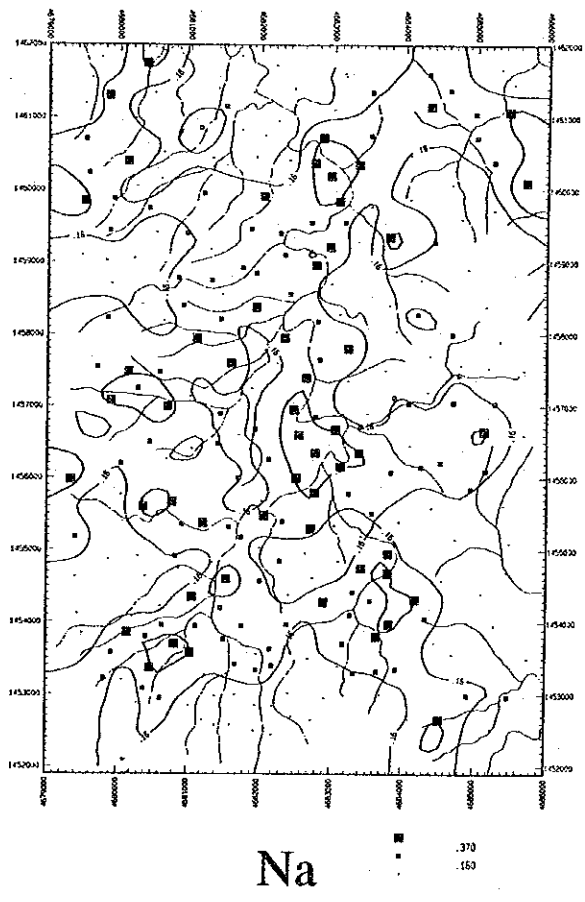
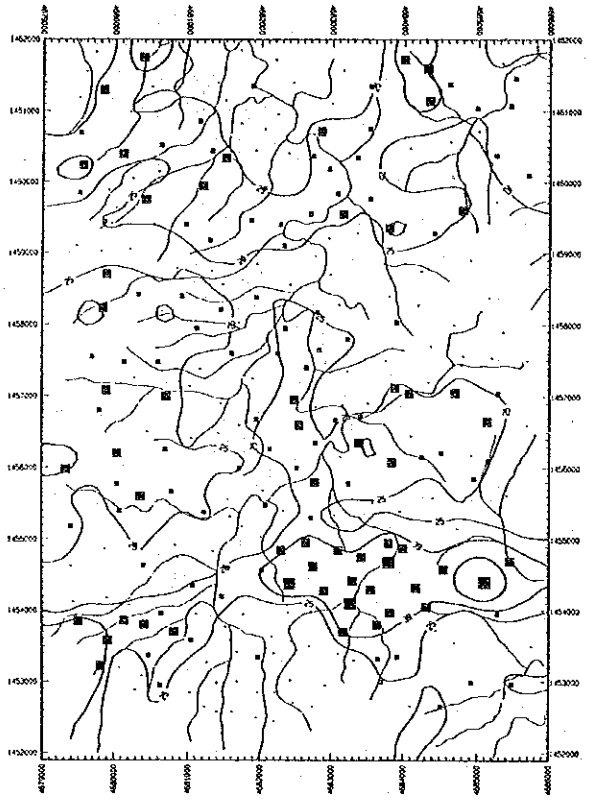


Na

Soil



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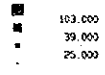

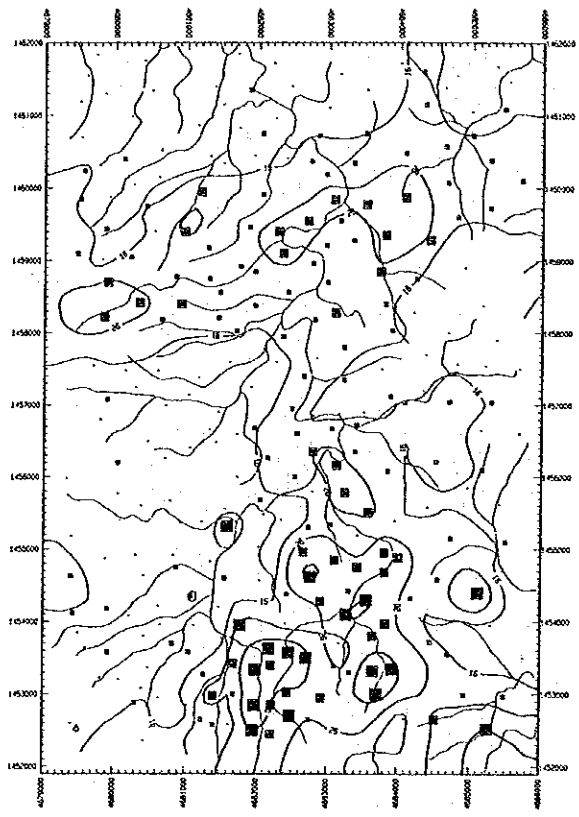

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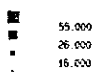

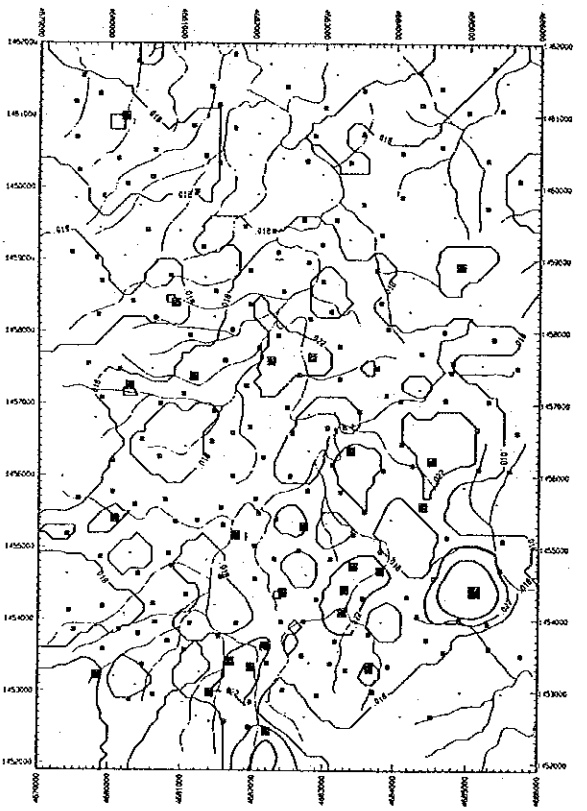

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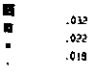

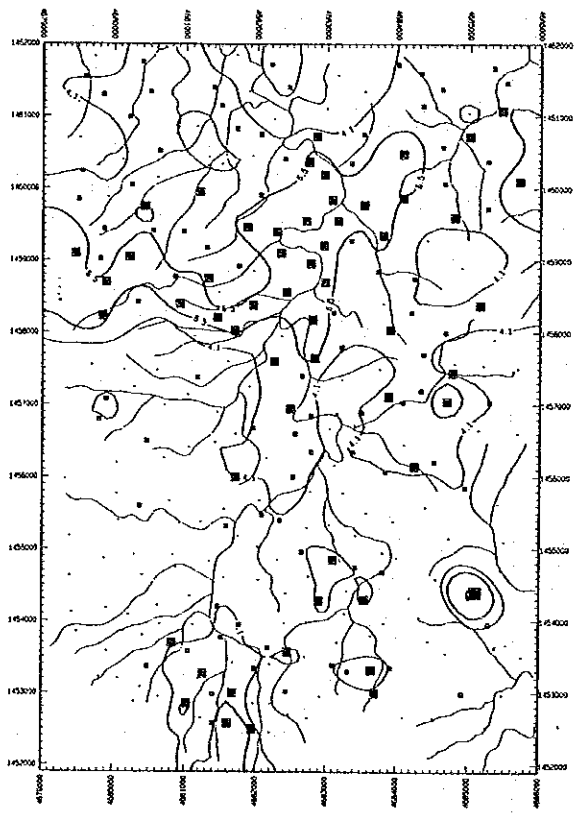

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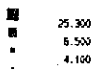
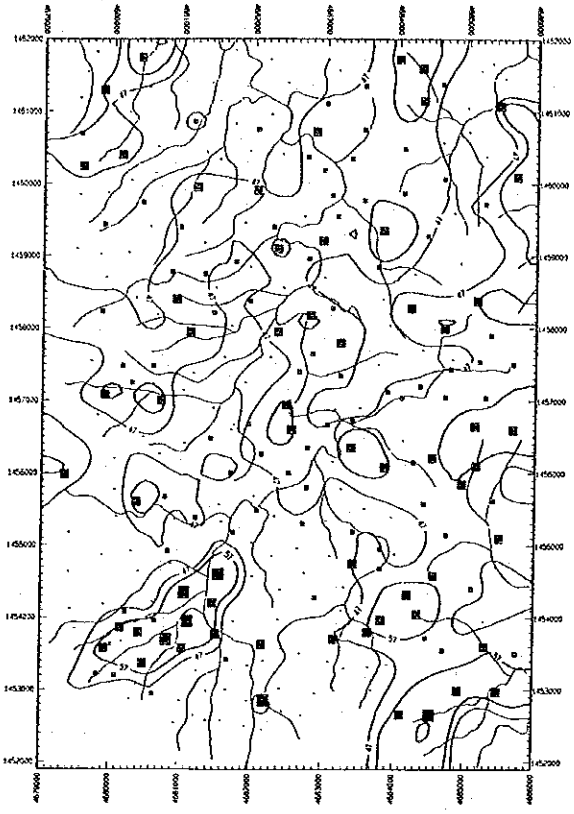


Soil



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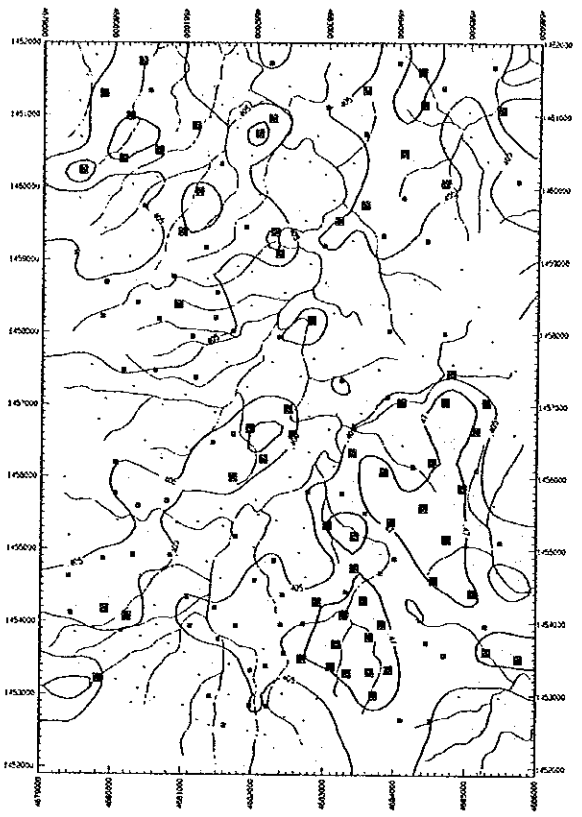

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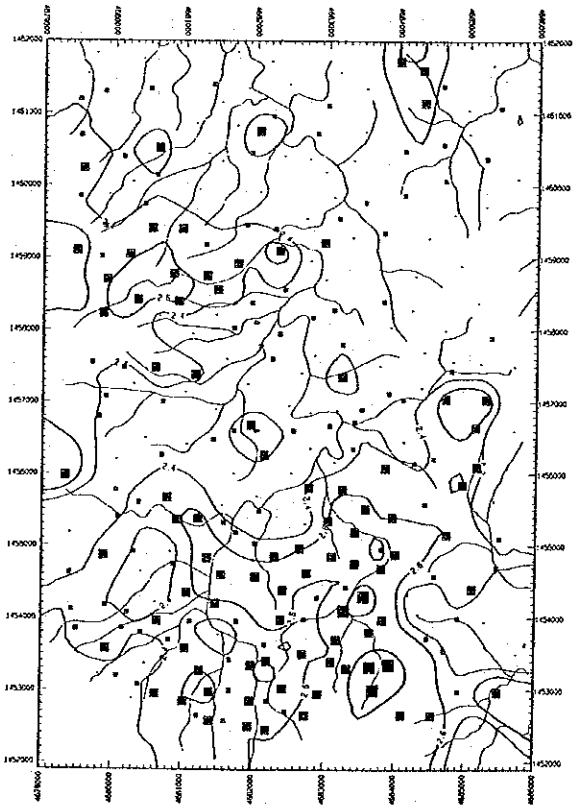

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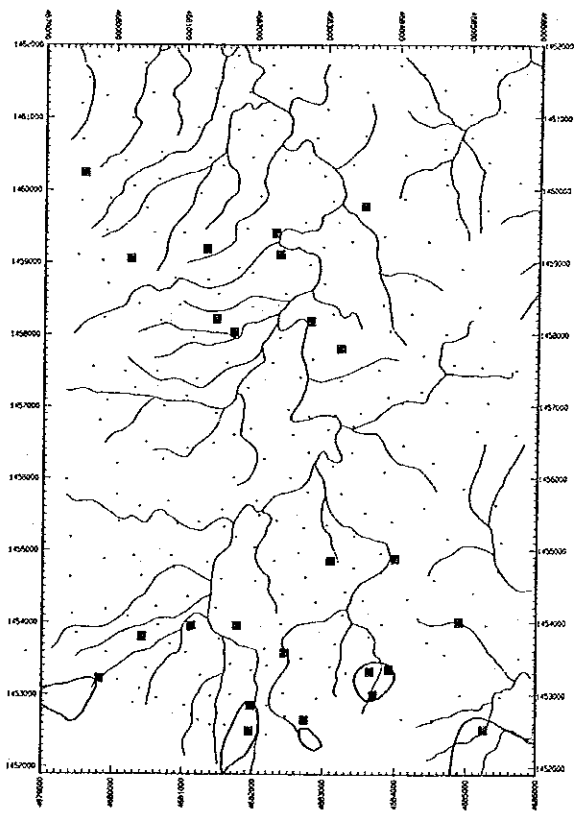

W

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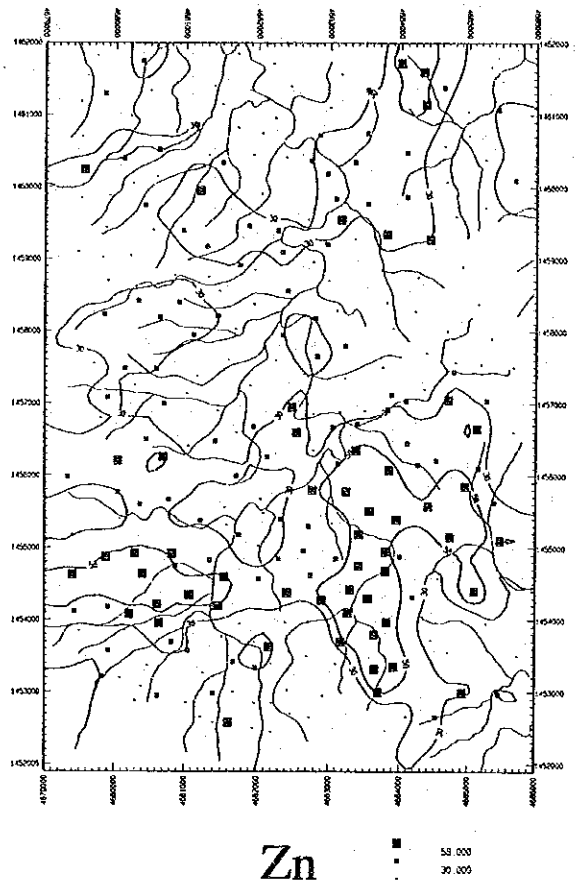

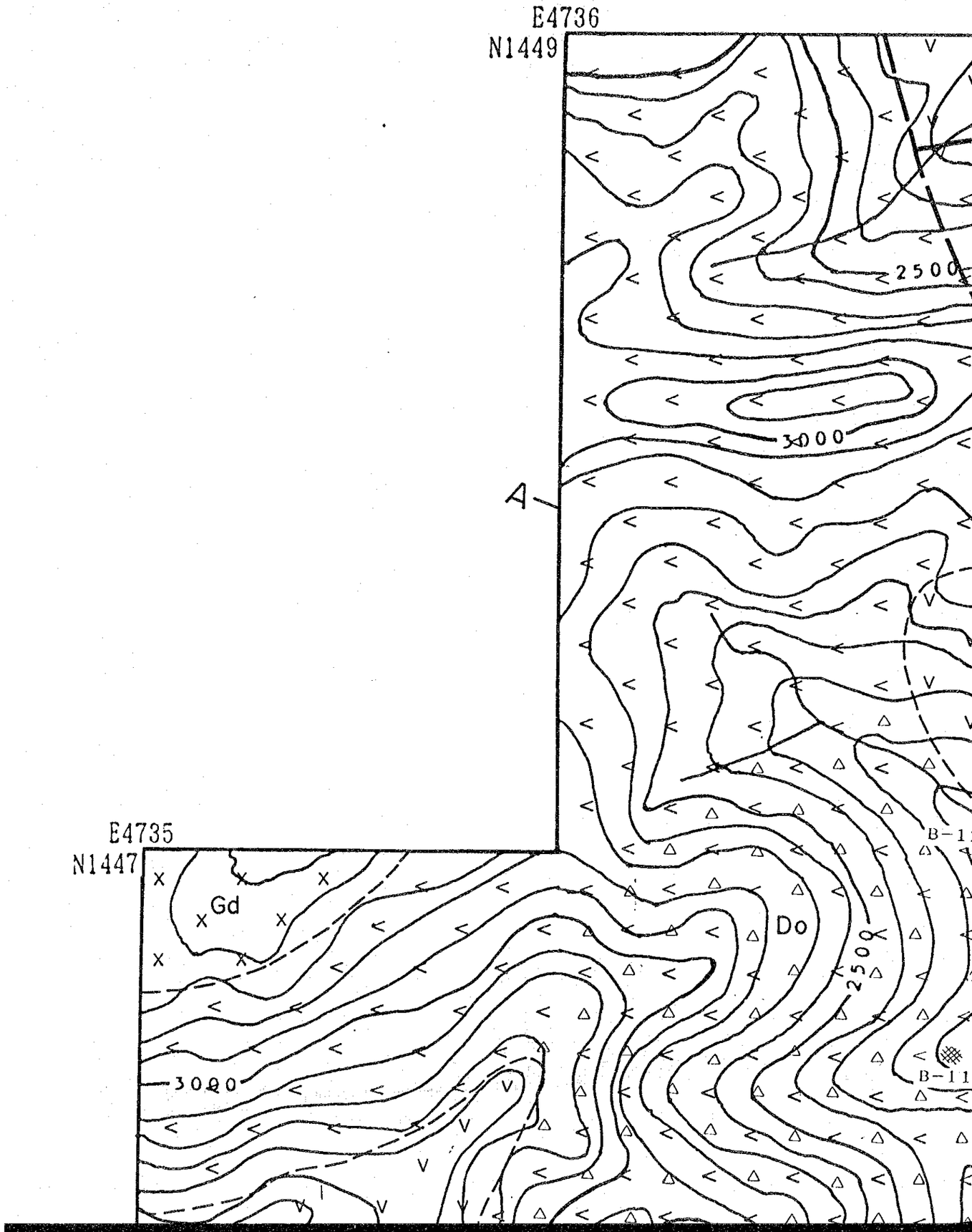
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A

Ba

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B-14

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B-11

B-10

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3000

3500

2000