

APPENDICES

Appendix-1 Results of Chemical Analysis for Ore Samples (1)

No.	Sample No.	Au(g/t)	Ag(g/t)	Cu(%)	Fe(%)	Mo(%)	Pb(%)	S(%)	Zn(%)
1	KCR-02	0.03	<0.2	0.004	3.06	<0.001	0.001	0.02	0.003
2	KCR-03	<0.01	<0.2	0.001	1.95	<0.001	<0.001	<0.01	0.002
3	KCR-06	0.15	<0.2	0.006	1.57	<0.001	<0.001	0.03	0.009
4	KCR-07	0.12	<0.2	0.003	1.33	<0.001	<0.001	<0.01	0.002
5	KCR-08	0.02	<0.2	0.004	1.11	<0.001	<0.001	<0.01	0.002
6	KCR-09	0.29	0.2	0.006	2.82	<0.001	<0.001	0.01	0.005
7	KCR-10	<0.01	0.2	0.004	2.41	<0.001	<0.001	<0.01	0.005
8	KCR-11	<0.01	<0.2	0.001	0.44	<0.001	<0.001	<0.01	0.000
9	KCR-12	<0.01	<0.2	0.006	2.53	<0.001	<0.001	<0.01	0.003
10	KCR-13	<0.01	0.2	0.010	2.31	<0.001	<0.001	0.05	0.007
11	KCR-14	<0.01	0.4	0.008	3.88	<0.001	<0.001	0.02	0.006
12	KCR-15	0.07	0.2	0.007	1.81	<0.001	<0.001	0.27	0.003
13	KCR-16	0.06	0.2	0.003	1.77	<0.001	<0.001	0.10	0.002
14	KCR-19	<0.01	<0.2	0.003	1.97	<0.001	<0.001	0.03	0.003
15	KCR-21	0.05	0.2	0.013	4.02	<0.001	<0.001	0.15	0.006
16	KCR-22	<0.01	0.2	0.003	1.06	<0.001	<0.001	3.00	0.002
17	KCR-23	<0.01	0.2	0.038	3.83	<0.001	<0.001	0.06	0.008
18	KCR-24	<0.01	<0.2	0.005	3.25	<0.001	<0.001	0.25	0.004
19	KCR-25	<0.01	0.2	0.007	2.22	<0.001	0.001	0.03	0.003
20	KCR-26	<0.01	0.2	0.011	3.33	<0.001	<0.001	0.11	0.005
21	KCR-27	<0.01	0.6	0.018	5.38	<0.001	<0.001	0.53	0.009
22	KCR-28	<0.01	0.2	0.006	3.32	<0.001	<0.001	0.01	0.007
23	KCR-29	<0.01	0.4	0.011	3.70	<0.001	0.001	0.15	0.008
24	KCR-30	<0.01	<0.2	0.002	1.96	<0.001	0.001	<0.01	0.001
25	KCR-31	<0.01	0.2	0.008	3.83	<0.001	<0.001	0.10	0.005
26	KCR-33	<0.01	0.4	0.016	4.91	<0.001	<0.001	0.46	0.007
27	KCR-34	<0.01	<0.2	0.002	1.77	<0.001	0.001	<0.01	0.001
28	KCR-36	<0.01	<0.2	<0.001	1.09	<0.001	<0.001	<0.01	0.001
29	KCR-37	0.08	0.2	0.006	2.66	<0.001	<0.001	0.03	0.005
30	KFR-01	0.01	<0.2	0.002	2.01	<0.001	<0.001	0.01	0.003
31	KFR-02	0.01	<0.2	0.023	6.75	<0.001	<0.001	0.10	0.016
32	KFR-03	<0.01	<0.2	0.007	5.14	<0.001	<0.001	0.56	0.007
33	KFR-04	<0.01	<0.2	0.013	7.12	<0.001	<0.001	2.51	0.016
34	KFR-05	<0.01	<0.2	0.015	5.71	<0.001	<0.001	0.02	0.008
35	KFR-06	<0.01	<0.2	0.026	3.19	<0.001	<0.001	0.15	0.006
36	KFR-09	<0.01	<0.2	0.020	5.24	<0.001	<0.001	1.07	0.008
37	KFR-12	0.02	<0.2	0.012	3.65	<0.001	<0.001	0.35	0.007
38	KFR-14	<0.01	<0.2	0.017	5.37	<0.001	<0.001	0.39	0.008
39	KFR-15	<0.01	<0.2	0.018	4.08	<0.001	<0.001	0.03	0.006
40	KFR-16	<0.01	<0.2	0.001	2.36	<0.001	<0.001	<0.01	0.003
41	KFR-19	<0.01	<0.2	0.001	2.78	<0.001	<0.001	0.30	0.003
42	KFR-21	<0.01	<0.2	0.003	2.28	<0.001	<0.001	0.03	0.003
43	KFR-01	0.02	<0.2	0.002	1.23	<0.001	<0.001	<0.01	0.001
44	KFR-01	0.02	0.2	0.024	3.79	<0.001	0.001	0.01	0.006
45	KFR-05	0.01	<0.2	0.018	5.49	<0.001	<0.001	0.06	0.009
46	KGR-03	<0.01	<0.2	0.007	3.39	<0.001	<0.001	<0.01	0.007
47	KGR-04	<0.01	0.2	0.014	4.08	<0.001	<0.001	0.06	0.007
48	KJR-01	0.01	<0.2	0.006	4.45	<0.001	<0.001	0.31	0.006
49	KJR-02	<0.01	<0.2	0.024	4.75	<0.001	0.001	0.02	0.009
50	KJR-03	0.01	<0.2	0.018	5.67	<0.001	0.001	<0.01	0.009
51	KJR-04	<0.01	<0.2	0.018	4.82	<0.001	<0.001	<0.01	0.009
52	KJR-05	0.01	<0.2	0.014	4.25	<0.001	0.001	0.08	0.009
53	KJR-06	<0.01	<0.2	0.017	5.68	<0.001	<0.001	<0.01	0.012
54	KJR-07	0.09	0.4	0.018	5.94	<0.001	0.001	1.41	0.006
55	KJR-08	<0.01	<0.2	0.015	5.33	<0.001	0.002	<0.01	0.010
56	KJR-09	<0.01	0.2	0.005	4.71	<0.001	0.001	0.67	0.004
57	KJR-10	0.06	<0.2	0.021	4.05	<0.001	0.001	<0.01	0.007
58	KJR-11	0.01	<0.2	0.021	3.18	<0.001	0.001	0.60	0.003
59	KJR-12	<0.01	<0.2	0.012	4.94	<0.001	<0.001	0.16	0.007
60	KJR-13	<0.01	<0.2	0.006	2.59	<0.001	0.001	<0.01	0.007
61	KJR-14	<0.01	<0.2	0.018	2.67	<0.001	<0.001	<0.01	0.005
62	KJR-15	<0.01	<0.2	0.011	4.74	<0.001	0.001	0.09	0.007
63	KJR-16	0.20	<0.2	0.011	3.55	<0.001	<0.001	<0.01	0.007
64	KJR-17	<0.01	0.2	0.013	4.25	<0.001	<0.001	<0.01	0.008
65	KJR-18	0.04	<0.2	0.010	1.78	<0.001	<0.001	<0.01	0.003
66	KJR-20	0.01	<0.2	0.003	1.11	<0.001	<0.001	<0.01	0.002
67	KJR-21	0.03	0.2	0.001	1.37	<0.001	<0.001	0.05	0.002
68	KJR-22	0.13	<0.2	0.005	1.81	<0.001	<0.001	0.01	0.004
69	KJR-23	0.03	<0.2	0.003	1.73	<0.001	<0.001	0.01	0.004
70	KJR-24	0.01	0.2	0.009	3.19	<0.001	<0.001	<0.01	0.009
71	KJR-25	0.14	<0.2	0.008	1.82	<0.001	<0.001	<0.01	0.004
72	KJR-26	0.15	0.2	0.012	5.06	0.001	0.001	0.34	0.008
73	KJR-27	0.04	0.2	0.004	3.38	<0.001	<0.001	0.66	0.005
74	KJR-28	<0.01	<0.2	0.007	3.95	<0.001	<0.001	0.26	0.006
75	KJR-29	<0.01	0.2	0.012	5.82	<0.001	<0.001	0.20	0.009
76	KJR-30	0.01	0.2	0.014	6.04	<0.001	<0.001	0.17	0.009
77	KJR-31	0.02	0.4	0.013	5.76	<0.001	<0.001	0.62	0.008
78	KJR-32	<0.01	<0.2	0.012	4.91	<0.001	<0.001	0.20	0.008
79	KJR-33	<0.01	<0.2	0.014	4.47	<0.001	<0.001	<0.01	0.007
80	KJR-34	<0.01	<0.2	0.017	5.28	<0.001	<0.001	0.09	0.008
81	KJR-35	<0.01	<0.2	0.011	3.28	<0.001	<0.001	0.02	0.005
82	KJR-36	<0.01	<0.2	0.001	0.91	<0.001	<0.001	<0.01	0.001
83	KJR-37	<0.01	<0.2	0.012	3.72	<0.001	0.001	0.06	0.007
84	KJR-38	0.01	<0.2	0.007	3.29	<0.001	<0.001	<0.01	0.007

Appendix-1 Results of Chemical Analysis for Ore Samples (2)

No.	Sample No.	Au(g/t)	Ag(g/t)	Cu(%)	Fe(%)	Mn(%)	Pb(%)	S(%)	Zn(%)
85	CCR-01A	20.80	0.4	0.002	1.99	<0.001	<0.001	0.90	0.002
86	CCR-01B	0.31	<0.2	0.003	0.57	<0.001	0.001	0.01	0.008
87	CCR-02	0.45	0.2	0.002	0.91	<0.001	0.002	0.03	0.007
88	CCR-03	1.50	0.2	0.003	2.25	<0.001	<0.001	0.01	0.002
89	CCR-04	0.11	<0.2	0.001	0.87	<0.001	<0.001	<0.01	0.001
90	CCR-05	0.07	<0.2	0.003	1.26	<0.001	<0.001	<0.01	0.001
91	CCR-06	0.01	0.2	0.002	1.00	<0.001	<0.001	0.27	<0.001
92	CCR-07	10.20	0.4	0.007	3.57	<0.001	<0.001	1.09	0.003
93	CCR-08	2.85	0.2	0.005	2.03	<0.001	<0.001	0.02	0.002
94	CCR-09	0.33	0.2	0.002	2.01	<0.001	<0.001	<0.01	0.002
95	CCR-10	0.02	<0.2	0.003	0.96	<0.001	<0.001	<0.01	0.001
96	CCR-11	0.15	0.2	0.001	0.54	<0.001	<0.001	<0.01	<0.001
97	CCR-12	0.01	<0.2	0.010	3.88	<0.001	<0.001	<0.01	0.008
98	CCR-13	0.90	<0.2	<0.001	0.39	<0.001	<0.001	<0.01	<0.001
99	CCR-14	0.62	0.2	0.001	3.63	<0.001	<0.001	0.01	0.005
100	CCR-15	0.31	0.2	0.007	3.89	<0.001	<0.001	0.56	0.002
101	CCR-16	0.18	0.2	0.015	8.63	<0.001	<0.001	0.02	0.012
102	CCR-17	0.80	0.6	0.002	5.38	<0.001	<0.001	1.43	0.001
103	CJR-01	<0.01	<0.2	0.015	4.99	<0.001	<0.001	<0.01	0.011
104	CJR-61	0.01	0.6	0.020	7.41	<0.001	<0.001	<0.01	0.016
105	CJR-62	0.01	<0.2	0.020	9.40	<0.001	0.001	<0.01	0.011
106	CJR-63	0.09	0.2	0.011	5.35	<0.001	<0.001	0.05	0.005
107	GT1-01	1.60	<0.2	0.003	3.02	<0.001	<0.001	0.01	0.002
108	GT1-02	3.70	<0.2	0.003	2.01	<0.001	<0.001	0.01	0.001
109	GT1-03	0.37	<0.2	0.002	1.55	<0.001	<0.001	<0.01	0.001
110	GT1-04	0.40	<0.2	0.002	1.11	<0.001	<0.001	<0.01	0.001
111	JT1-02	0.10	<0.2	0.028	9.49	<0.001	<0.001	0.01	0.015
112	JT1-03	2.10	<0.2	0.020	7.02	<0.001	<0.001	0.02	0.008
113	JT1-04	0.08	<0.2	0.034	8.91	<0.001	<0.001	0.03	0.017
114	JT1-05	0.13	<0.2	0.026	9.77	<0.001	<0.001	0.02	0.017
115	JT1-06	1.30	<0.2	0.020	6.86	<0.001	<0.001	0.02	0.011
116	JT1-07	0.05	<0.2	0.039	9.24	<0.001	<0.001	0.03	0.023
117	JT1-22	3.80	<0.2	0.024	4.98	<0.001	<0.001	<0.01	0.011
118	JT1-23	4.70	<0.2	0.007	1.89	<0.001	<0.001	0.01	0.003
119	JT1-24	0.02	<0.2	0.017	8.45	<0.001	0.001	0.03	0.011
120	JT1-25	2.20	0.2	0.020	6.50	<0.001	0.001	0.04	0.010
121	ET2-01	0.08	<0.2	0.004	2.40	<0.001	<0.001	0.01	0.003
122	ET2-02	0.01	<0.2	0.008	2.62	<0.001	<0.001	<0.01	0.003
123	ET2-03	0.22	<0.2	0.003	1.81	<0.001	<0.001	<0.01	0.001
124	ET2-04	0.19	<0.2	0.004	2.34	<0.001	<0.001	0.01	0.003
125	JT2-29	0.04	<0.2	0.020	9.63	<0.001	0.001	0.04	0.007
126	JT2-30	1.30	<0.2	0.022	8.91	<0.001	<0.001	0.03	0.008
127	JT2-31	0.10	<0.2	0.017	7.74	<0.001	<0.001	0.02	0.008
128	JT2-32	0.30	<0.2	0.028	11.30	<0.001	<0.001	0.02	0.011
129	JT2-33	0.04	<0.2	0.025	9.54	<0.001	<0.001	0.03	0.011
130	JT2-34	0.20	0.2	0.005	3.91	<0.001	<0.001	0.03	0.005
131	FT3-01	0.02	<0.2	0.004	1.70	<0.001	<0.001	0.01	0.001
132	FT3-02	0.00	<0.2	0.003	1.91	<0.001	<0.001	<0.01	0.001
133	FT3-03	23.90	0.2	0.004	1.09	<0.001	<0.001	0.01	0.001
134	FT3-04	1.90	<0.2	0.013	3.90	<0.001	<0.001	0.01	0.004
135	FT3-05	0.45	<0.2	0.004	1.57	<0.001	<0.001	0.01	0.005
136	FT3-06	56.60	0.6	0.008	2.88	<0.001	0.001	0.02	0.003
137	FT3-07	6.50	<0.2	0.022	8.39	<0.001	0.003	0.04	0.011
138	FT3-08	1.89	<0.2	0.005	2.34	<0.001	<0.001	0.02	0.001
139	FT3-09	58.80	1.2	0.009	2.13	<0.001	0.001	0.01	0.003
140	FT3-10	44.60	<0.2	0.006	2.79	<0.001	<0.001	0.01	0.002
141	JT3-08	0.02	<0.2	0.049	10.50	<0.001	0.001	0.03	0.012
142	JT3-09	<0.01	<0.2	0.024	8.72	<0.001	<0.001	<0.01	0.018
143	JT3-10	0.10	<0.2	0.027	8.99	<0.001	<0.001	0.03	0.015
144	JT3-11	0.38	<0.2	0.036	11.30	<0.001	<0.001	0.02	0.019
145	JT3-12	4.20	<0.2	0.023	8.97	<0.001	0.001	0.03	0.012
146	JT3-13	0.11	<0.2	0.020	9.14	<0.001	<0.001	0.03	0.011
147	JT3-14	0.45	<0.2	0.024	10.15	<0.001	<0.001	0.02	0.015
148	JT3-15	2.28	<0.2	0.018	8.85	<0.001	<0.001	0.03	0.009
149	JT3-39	2.30	<0.2	0.017	8.79	<0.001	<0.001	0.01	0.012
150	JT3-40	0.09	<0.2	0.023	10.80	<0.001	<0.001	0.03	0.011
151	JT3-41	0.60	<0.2	0.017	8.42	<0.001	<0.001	0.04	0.007
152	JT3-42	0.15	<0.2	0.013	7.24	<0.001	<0.001	0.04	0.003
153	JT3-43	0.08	<0.2	0.019	10.35	<0.001	<0.001	0.04	0.006
154	ET4-05	0.04	<0.2	0.003	2.12	<0.001	<0.001	<0.01	0.002
155	ET4-06	0.41	<0.2	0.006	2.51	<0.001	<0.001	<0.01	0.003
156	ET4-07	0.75	<0.2	0.012	3.99	<0.001	<0.001	0.01	0.007
157	ET4-08	1.00	<0.2	0.004	2.18	<0.001	<0.001	0.01	0.002
158	ET4-09	0.08	<0.2	0.005	1.65	<0.001	<0.001	<0.01	0.001
159	ET4-10	0.04	<0.2	0.002	1.41	<0.001	<0.001	<0.01	0.001
160	ET4-11	0.07	<0.2	0.001	1.80	<0.001	<0.001	<0.01	0.002
161	ET4-12	0.15	<0.2	0.002	2.25	<0.001	<0.001	0.02	0.003
162	ET4-13	0.34	<0.2	0.004	2.24	<0.001	<0.001	<0.01	0.003
163	ET4-14	0.15	<0.2	0.002	2.37	<0.001	<0.001	<0.01	0.002
164	JT4-16	2.80	0.2	0.011	6.10	<0.001	<0.001	0.03	0.009
165	JT4-17	0.70	<0.2	0.024	9.83	<0.001	<0.001	0.01	0.012
166	JT4-18	0.62	<0.2	0.022	8.60	<0.001	<0.001	<0.01	0.012
167	JT4-44	0.14	<0.2	0.019	9.55	<0.001	<0.001	<0.01	0.014
168	JT4-45	0.21	<0.2	0.019	7.80	<0.001	<0.001	0.01	0.010
169	JT4-47	0.09	<0.2	0.022	7.62	<0.001	<0.001	<0.01	0.014

Appendix-1 Results of Chemical Analysis for Ore Samples (3)

No.	Sample No.	Au(g/t)	Ag(g/t)	Cu(%)	Fe(%)	Mn(%)	Pb(%)	S(%)	Zn(%)
170	J14-48	1.50	<0.2	0.016	7.99	<0.001	<0.001	<0.01	0.012
171	J14-49	0.95	<0.2	0.023	10.20	<0.001	<0.001	0.02	0.011
172	J14-50	0.01	<0.2	0.002	1.75	<0.001	<0.001	<0.01	0.002
173	J14-51	1.70	<0.2	0.012	6.88	<0.001	<0.001	<0.01	0.017
174	J14-52	0.06	<0.2	0.005	1.45	<0.001	<0.001	<0.01	0.001
175	J14-53	0.32	<0.2	0.019	9.14	<0.001	<0.001	0.02	0.012
176	J14-54	0.34	<0.2	0.023	10.10	<0.001	<0.001	<0.01	0.011
177	J14-55	0.41	<0.2	0.024	10.30	<0.001	<0.001	<0.01	0.012
178	J14-56	0.15	<0.2	0.023	11.55	<0.001	<0.001	0.02	0.013
179	GT5-01	0.02	<0.2	0.001	1.49	<0.001	<0.001	0.01	0.001
180	GT5-02	0.02	<0.2	0.026	9.87	<0.001	<0.001	0.01	0.005
181	GT5-03	0.01	<0.2	0.005	2.95	<0.001	<0.001	0.01	0.002
182	GT5-04	0.01	<0.2	0.001	0.77	<0.001	<0.001	<0.01	<0.001
183	GT5-05	0.02	<0.2	0.002	0.99	<0.001	<0.001	0.01	0.001
184	GT5-07	0.01	<0.2	0.002	1.05	<0.001	<0.001	<0.01	<0.001
185	GT5-08	<0.01	<0.2	0.003	1.29	<0.001	<0.001	<0.01	<0.001
186	GT5-09	0.06	<0.2	0.002	0.85	<0.001	<0.001	<0.01	<0.001
187	GT5-10	0.03	1.2	0.030	8.83	<0.001	<0.001	<0.01	0.006
188	GT5-11	0.01	<0.2	0.024	8.84	<0.001	<0.001	0.02	0.006
189	GT5-12	0.02	<0.2	0.006	2.91	<0.001	<0.001	0.01	0.002
190	GT5-13	0.01	<0.2	0.028	10.30	<0.001	<0.001	0.02	0.012
191	GT5-14	0.02	<0.2	0.018	7.45	<0.001	<0.001	0.02	0.007
192	GT5-15	0.03	<0.2	0.016	8.15	<0.001	<0.001	0.02	0.005
193	GT5-16	0.02	<0.2	0.023	10.20	<0.001	<0.001	0.06	0.003
194	GT5-17	0.05	<0.2	0.028	10.20	<0.001	<0.001	0.06	0.001
195	GT5-18	0.11	<0.2	0.021	6.48	<0.001	<0.001	0.03	0.004
196	GT5-19	0.03	<0.2	0.001	1.29	<0.001	<0.001	<0.01	0.002
197	GT5-20	0.01	<0.2	0.002	0.70	<0.001	<0.001	<0.01	<0.001
198	GT5-21	0.03	<0.2	0.023	9.28	<0.001	<0.001	0.06	0.001
199	GT5-22	0.03	<0.2	0.025	9.86	<0.001	0.001	0.06	0.005
200	GT5-23	0.03	0.2	0.015	8.36	<0.001	<0.001	0.05	0.003
201	GT5-24	0.01	<0.2	0.003	1.45	<0.001	<0.001	0.01	0.001
202	GT5-25	0.06	<0.2	0.017	9.47	<0.001	<0.001	0.05	0.003
203	GT5-26	0.03	<0.2	0.020	10.45	<0.001	<0.001	0.06	0.003
204	GT5-27	0.01	<0.2	0.003	1.26	<0.001	<0.001	0.00	0.003
205	GT5-28	<0.01	<0.2	0.002	0.80	<0.001	<0.001	<0.01	0.002
206	GT5-29	0.04	<0.2	0.022	10.55	<0.001	<0.001	0.06	0.001
207	GT5-30	0.14	<0.2	0.005	2.59	<0.001	<0.001	0.01	0.001
208	GT5-31	0.21	<0.2	0.019	9.83	<0.001	<0.001	0.05	0.003
209	GT5-32	0.10	<0.2	0.025	10.80	<0.001	<0.001	0.05	0.003
210	GT5-33	0.10	<0.2	0.005	2.12	<0.001	<0.001	0.01	0.002
211	GT5-34	0.39	<0.2	0.029	10.55	<0.001	<0.001	0.08	0.001
212	GT5-35	0.55	<0.2	0.031	10.15	<0.001	0.001	0.08	0.001
213	GT5-36	0.10	<0.2	0.002	1.12	<0.001	<0.001	0.01	0.001
214	GT5-37	0.13	<0.2	0.003	2.25	<0.001	<0.001	0.01	0.002
215	GT5-38	0.03	<0.2	0.003	1.39	<0.001	<0.001	0.01	0.001
216	GT5-39	0.76	<0.2	0.001	1.91	<0.001	<0.001	0.01	0.001
217	GT5-40	0.24	<0.2	0.032	8.38	<0.001	<0.001	0.01	0.006
218	GT5-41	0.13	<0.2	0.038	9.91	<0.001	<0.001	0.01	0.009
219	GT5-42	0.17	<0.2	0.029	9.46	<0.001	<0.001	0.01	0.005
220	GT5-43	0.25	<0.2	0.023	8.93	<0.001	<0.001	0.05	0.003
221	GT5-44	3.30	<0.2	0.019	4.71	<0.001	<0.001	0.02	0.003
222	J15-57	0.02	<0.2	0.001	0.78	<0.001	<0.001	<0.01	0.001
223	J15-58	0.03	0.4	0.011	10.40	<0.001	<0.001	0.05	0.003
224	FT6-01	0.40	<0.2	0.026	9.08	<0.001	<0.001	0.05	0.006
225	FT6-02	0.19	<0.2	0.018	6.18	<0.001	<0.001	0.03	0.001
226	FT6-03	0.62	<0.2	0.028	8.02	<0.001	<0.001	0.03	0.007
227	FT6-04	0.02	<0.2	0.003	1.40	<0.001	<0.001	<0.01	<0.001
228	FT6-05	0.03	<0.2	0.020	8.76	<0.001	<0.001	0.01	0.003
229	FT6-06	0.02	<0.2	0.010	4.17	<0.001	<0.001	0.02	0.002
230	FT6-07	0.03	<0.2	0.020	8.18	<0.001	<0.001	0.03	0.003
231	FT6-08	0.03	<0.2	0.017	9.48	<0.001	<0.001	0.03	0.003
232	FT6-09	0.02	<0.2	0.020	8.52	<0.001	<0.001	0.03	0.003
233	FT6-10	0.01	<0.2	0.012	5.30	<0.001	<0.001	0.03	0.001
234	FT6-11	0.14	<0.2	0.026	9.30	<0.001	<0.001	0.03	0.005
235	FT6-12	0.65	0.2	0.023	9.14	<0.001	<0.001	0.02	0.001
236	FT6-13	0.01	<0.2	0.016	8.51	<0.001	0.001	0.03	0.003
237	FT6-14	30.30	0.4	0.015	4.79	<0.001	<0.001	0.02	0.003
238	FT6-15	0.03	<0.2	0.005	2.40	<0.001	<0.001	0.01	0.001
239	FT6-16	0.38	<0.2	0.002	1.61	<0.001	<0.001	<0.01	0.001
240	FT6-17	0.34	<0.2	0.022	8.09	<0.001	<0.001	0.03	0.001
241	J16-60	0.16	<0.2	0.002	1.63	<0.001	<0.001	<0.01	0.002
242	J17-19	0.02	<0.2	0.022	8.14	<0.001	<0.001	0.03	0.015
243	J17-20	0.02	<0.2	0.022	7.81	<0.001	<0.001	0.02	0.013
244	J17-21	2.35	<0.2	0.005	1.26	<0.001	0.016	0.07	0.010
245	E18-15	0.03	<0.2	0.002	1.56	<0.001	<0.001	<0.01	0.001
246	E18-16	0.66	<0.2	0.001	2.02	<0.001	<0.001	<0.01	0.002
247	J18-26	1.05	<0.2	0.031	11.60	<0.001	<0.001	0.03	0.009
248	J18-27	0.11	<0.2	0.007	8.49	<0.001	<0.001	<0.01	0.009
249	J18-28	0.15	<0.2	0.021	10.45	<0.001	<0.001	0.05	0.005
250	FT9-11	0.19	<0.2	0.001	2.54	<0.001	<0.001	<0.01	0.001
251	FT9-12	0.11	<0.2	0.001	1.83	<0.001	<0.001	<0.01	0.001
252	FT9-13	0.03	<0.2	0.002	1.58	<0.001	<0.001	<0.01	0.001
253	J19-35	0.55	<0.2	0.025	8.57	<0.001	<0.001	0.04	0.007

Appendix-1 Results of Chemical Analysis for Ore Samples (4)

No.	Sample No.	Au(g/t)	Ag(g/t)	Cu(%)	Fe(%)	Mn(%)	Pb(%)	S(%)	Zn(%)
254	119-36	0.17	<0.2	0.024	10.26	<0.001	<0.001	0.04	0.008
255	119-37	0.13	<0.2	0.003	1.35	<0.001	<0.001	0.01	0.001
256	119-38	0.40	<0.2	0.047	13.20	<0.001	<0.001	0.02	0.021
257	1-0.40~3.50	0.16	0.2	0.023	8.28	<0.001	<0.001	0.05	0.015
258	1-3.50~6.90	0.07	<0.2	0.030	8.64	<0.001	<0.001	0.04	0.019
259	1-6.90~10.00	0.25	<0.2	0.030	8.78	<0.001	<0.001	0.04	0.017
260	1-10.00~13.55	0.04	<0.2	0.029	9.04	<0.001	<0.001	0.04	0.016
261	1-13.55~16.45	0.10	<0.2	0.022	8.21	<0.001	<0.001	0.03	0.015
262	1-16.45~18.10	0.90	<0.2	0.010	5.12	<0.001	<0.001	0.07	0.009
263	1-18.10~20.00	0.50	<0.2	0.028	7.85	<0.001	<0.001	0.21	0.028
264	1-20.00~20.55	1.00	<0.2	0.028	8.73	<0.001	<0.001	0.10	0.029
265	1-20.55~21.55	1.20	<0.2	0.029	7.83	<0.001	<0.001	0.05	0.014
266	1-21.55~24.70	0.08	<0.2	0.019	6.87	<0.001	<0.001	<0.01	0.014
267	1-24.70~29.00	0.03	<0.2	0.014	6.70	<0.001	<0.001	0.06	0.011
268	1-29.00~32.00	0.16	<0.2	0.016	5.88	<0.001	<0.001	0.33	0.010
269	1-32.00~34.30	0.39	<0.2	0.022	5.63	<0.001	<0.001	1.11	0.009
270	1-35.60~35.75	0.14	0.2	0.011	4.02	<0.001	<0.001	1.12	0.006
271	1-41.55~43.40	0.29	<0.2	0.012	5.50	<0.001	<0.001	0.91	0.008
272	2-0.00~3.20	0.30	0.6	0.022	9.57	<0.001	<0.001	0.06	0.021
273	2-3.20~4.40	0.37	0.6	0.023	9.35	<0.001	<0.001	0.03	0.019
274	2-4.40~7.15	0.24	3.4	0.027	10.35	0.001	<0.001	0.04	0.013
275	2-7.15~10.75	0.22	3.6	0.033	10.20	0.001	<0.001	0.02	0.023
276	2-10.75~13.15	0.04	0.4	0.015	5.64	<0.001	<0.001	<0.01	0.031
277	2-13.15~15.80	0.03	0.6	0.017	6.79	<0.001	<0.001	<0.01	0.027
278	2-24.95~25.40	0.02	<0.2	0.014	4.85	<0.001	<0.001	0.06	0.008
279	2-25.55~25.65	<0.01	<0.2	0.003	1.62	<0.001	<0.001	0.02	0.004
280	2-27.90~28.85	0.23	<0.2	0.011	4.46	<0.001	<0.001	0.01	0.008
281	2-40.00~42.25	0.04	0.2	0.016	5.51	<0.001	<0.001	<0.01	0.009
282	2-42.25~44.50	0.07	<0.2	0.016	6.62	<0.001	<0.001	0.05	0.009
283	2-44.50~48.00	0.04	<0.2	0.019	5.92	<0.001	<0.001	0.03	0.009
284	3-11.00~12.00	0.02	<0.2	0.014	6.56	<0.001	<0.001	0.04	0.010
285	3-12.00~14.95	0.70	0.4	0.024	6.15	<0.001	<0.001	0.88	0.009
286	3-14.95~15.70	0.80	<0.2	0.048	5.71	<0.001	<0.001	0.16	0.011
287	3-15.70~15.80	0.14	<0.2	0.006	3.55	<0.001	<0.001	0.62	0.005
288	3-15.80~16.40	0.07	0.2	0.029	6.45	<0.001	<0.001	0.33	0.010
289	3-16.40~16.60	0.70	0.2	0.011	5.49	<0.001	<0.001	1.86	0.005
290	3-16.60~17.45	0.28	0.2	0.033	6.41	<0.001	<0.001	0.55	0.011
291	3-17.45~18.40	0.10	<0.2	0.020	6.05	<0.001	<0.001	0.14	0.010
292	3-18.40~19.60	0.04	<0.2	0.019	5.74	<0.001	<0.001	0.06	0.009
293	3-18.85	0.01	<0.2	0.016	5.08	<0.001	<0.001	0.05	0.009
294	3-19.60~20.60	0.13	0.2	0.018	5.97	<0.001	<0.001	0.11	0.009
295	3-20.60~20.80	1.29	<0.2	0.009	2.63	<0.001	<0.001	0.24	0.004
296	3-20.80~22.55	0.18	<0.2	0.019	6.44	<0.001	<0.001	0.06	0.010
297	3-22.55~24.15	0.05	<0.2	0.021	6.23	<0.001	<0.001	0.02	0.011
298	3-24.15~24.30	0.11	0.2	0.023	6.22	<0.001	<0.001	0.10	0.011
299	3-24.30~24.60	0.14	<0.2	0.014	6.61	<0.001	<0.001	0.06	0.011
300	3-24.60~26.80	0.28	0.2	0.016	5.87	<0.001	<0.001	0.15	0.010
301	3-26.80~27.30	0.21	0.4	0.010	5.87	<0.001	<0.001	0.02	0.010
302	3-27.30~27.40	0.23	0.2	0.009	5.60	<0.001	<0.001	0.03	0.008
303	3-27.40~28.55	0.08	<0.2	0.015	6.57	<0.001	<0.001	0.04	0.011
304	3-28.55~29.50	0.02	<0.2	0.016	6.24	<0.001	<0.001	<0.01	0.011
305	3-31.95~33.30	0.09	<0.2	0.019	5.27	<0.001	<0.001	0.05	0.010
306	3-33.30~34.65	0.32	0.2	0.020	6.17	<0.001	<0.001	1.03	0.010
307	3-34.65~36.65	0.40	0.2	0.015	6.40	<0.001	<0.001	0.77	0.011
308	3-36.65~37.75	0.06	<0.2	0.015	5.80	<0.001	<0.001	0.04	0.009
309	3-45.75~46.25	0.01	0.2	0.028	4.97	<0.001	<0.001	0.04	0.011
310	3-46.25~47.55	0.01	<0.2	0.013	4.45	<0.001	<0.001	<0.01	0.009
311	3-47.55~49.80	0.01	<0.2	0.019	4.18	<0.001	<0.001	<0.01	0.010
312	3-75.00	0.02	<0.2	0.015	5.14	<0.001	<0.001	0.02	0.008
313	3-88.70	0.01	<0.2	0.010	3.89	<0.001	<0.001	0.11	0.009
314	4-6.00~7.60	1.10	<0.2	0.029	8.11	<0.001	<0.001	0.02	0.024
315	4-7.60~9.50	0.36	1.2	0.065	8.30	<0.001	0.003	0.18	0.021
316	4-9.50~11.10	0.26	<0.2	0.014	5.18	<0.001	<0.001	0.53	0.007
317	4-10.60~10.70	0.80	<0.2	0.010	4.37	<0.001	0.006	0.26	0.018
318	4-11.10~12.80	0.03	<0.2	0.015	5.77	<0.001	<0.001	0.02	0.009
319	4-12.80~13.50	0.11	<0.2	0.014	5.40	<0.001	<0.001	<0.01	0.008
320	4-13.50~14.90	0.06	<0.2	0.014	6.04	<0.001	<0.001	<0.01	0.009
321	4-14.90~16.40	0.16	<0.2	0.017	5.91	<0.001	<0.001	0.04	0.009
322	4-16.40~17.60	0.04	<0.2	0.020	5.78	<0.001	<0.001	<0.01	0.010
323	4-17.60~18.60	0.04	<0.2	0.020	6.30	<0.001	<0.001	<0.01	0.011
324	4-18.60~19.60	0.30	<0.2	0.022	5.29	<0.001	<0.001	<0.01	0.012
325	4-19.60~20.60	0.36	<0.2	0.027	4.53	<0.001	<0.001	0.76	0.006
326	4-20.60~22.30	0.27	<0.2	0.020	4.62	<0.001	<0.001	0.27	0.006
327	4-22.30~23.80	0.19	<0.2	0.035	6.15	<0.001	<0.001	0.33	0.010
328	4-23.80~24.80	0.05	<0.2	0.016	6.66	<0.001	<0.001	<0.01	0.010
329	4-24.80~25.90	0.25	<0.2	0.015	5.70	<0.001	<0.001	<0.01	0.007
330	4-25.90~26.75	0.02	<0.2	0.015	6.39	<0.001	<0.001	<0.01	0.008
331	4-26.75~26.90	0.01	<0.2	0.007	6.77	<0.001	<0.001	<0.01	0.010
332	4-26.90	0.01	<0.2	0.020	6.05	<0.001	<0.001	<0.01	0.010
333	4-26.90~28.40	0.02	<0.2	0.022	6.23	<0.001	<0.001	<0.01	0.009
334	4-28.40~29.10	0.01	<0.2	0.017	6.44	<0.001	<0.001	<0.01	0.009
335	4-29.10~30.20	0.01	<0.2	0.012	5.76	<0.001	<0.001	<0.01	0.009
336	4-30.20~32.20	0.02	<0.2	0.020	5.95	<0.001	<0.001	<0.01	0.010
337	4-32.20~33.20	0.01	<0.2	0.016	4.31	<0.001	<0.001	<0.01	0.009
338	4-33.70	0.24	<0.2	0.002	6.34	<0.001	<0.001	<0.01	0.009

Appendix-1 Results of Chemical Analysis for Ore Samples (5)

No.	Sample No.	Au(g/t)	Ag(g/t)	Cu(%)	Fe(%)	Mo(%)	Pb(%)	S(%)	Zn(%)
339	4-38.35	0.01	0.2	0.017	4.59	<0.001	0.002	0.02	0.010
340	4-62.00	0.03	<0.2	0.011	3.82	<0.001	<0.001	<0.01	0.005
341	4-65.50~66.50	0.01	<0.2	0.023	4.61	<0.001	<0.001	0.03	0.010
342	4-66.50~67.00	0.01	<0.2	0.018	5.26	<0.001	<0.001	<0.01	0.009
343	4-67.00~68.30	0.01	<0.2	0.020	6.01	<0.001	<0.001	0.15	0.010
344	4-68.30~68.70	0.02	<0.2	0.020	4.35	<0.001	<0.001	0.01	0.010
345	4-68.70~70.00	0.01	<0.2	0.018	5.63	<0.001	<0.001	<0.01	0.010
346	4-83.00	0.01	0.2	0.015	2.99	<0.001	<0.001	<0.01	0.005
347	4-96.80~97.50	0.01	<0.2	0.022	5.60	<0.001	<0.001	<0.01	0.010
348	4-97.50~97.85	0.01	<0.2	0.019	4.45	<0.001	<0.001	<0.01	0.010
349	4-97.85~99.00	0.01	<0.2	0.011	4.10	<0.001	<0.001	<0.01	0.007
350	5-1.00~3.00	0.80	<0.2	0.020	9.46	<0.001	<0.001	0.01	0.055
351	5-3.00~5.00	1.00	<0.2	0.023	9.23	<0.001	<0.001	0.20	0.042
352	5-5.00~6.00	0.39	<0.2	0.024	7.69	<0.001	<0.001	0.01	0.025
353	5-6.00~7.00	0.06	<0.2	0.017	6.77	<0.001	<0.001	<0.01	0.016
354	5-6.50	0.11	0.2	0.023	7.02	<0.001	0.001	0.01	0.016
355	5-7.40~7.65	0.70	0.2	0.024	5.97	<0.001	<0.001	0.31	0.009
356	5-7.65~7.80	0.83	<0.2	0.003	2.53	<0.001	<0.001	0.01	0.004
357	5-7.80~8.75	0.55	0.2	0.017	5.99	<0.001	<0.001	0.05	0.009
358	5-8.75~9.60	0.35	0.2	0.017	6.06	<0.001	<0.001	0.74	0.009
359	5-9.60~10.50	0.09	<0.2	0.017	5.76	<0.001	<0.001	0.14	0.009
360	5-10.50~11.20	0.37	0.2	0.020	5.45	<0.001	<0.001	0.60	0.009
361	5-11.20~11.40	0.25	<0.2	0.006	3.99	<0.001	<0.001	0.39	0.006
362	5-11.40~11.80	0.28	0.2	0.011	5.32	<0.001	<0.001	0.96	0.007
363	5-11.80~13.00	0.14	0.2	0.016	5.35	<0.001	<0.001	0.08	0.008
364	5-12.65~12.85	0.80	<0.2	0.009	5.19	<0.001	0.001	0.14	0.005
365	5-13.00~15.40	0.05	<0.2	0.016	5.38	<0.001	<0.001	<0.01	0.010
366	5-15.40~16.50	0.48	0.4	0.023	5.72	<0.001	<0.001	0.53	0.009
367	5-16.50~17.40	0.25	0.2	0.015	5.60	<0.001	<0.001	0.21	0.009
368	5-17.40~18.00	0.08	0.2	0.019	5.85	<0.001	<0.001	<0.01	0.011
369	5-21.50~26.00	0.02	0.2	0.020	5.83	<0.001	<0.001	<0.01	0.010
370	5-26.00~26.80	0.18	<0.2	0.015	5.74	<0.001	<0.001	0.36	0.010
371	5-26.30~26.44	0.20	0.2	0.009	5.93	<0.001	0.001	0.73	0.005
372	5-26.80~27.30	1.40	0.4	0.024	4.75	<0.001	<0.001	2.82	0.005
373	5-27.30~28.10	2.68	0.4	0.038	6.43	<0.001	<0.001	2.88	0.006
374	5-27.70~27.85	2.30	0.2	0.040	6.99	<0.001	0.001	1.13	0.010
375	5-27.85	1.45	<0.2	0.028	6.37	<0.001	<0.001	2.42	0.009
376	5-28.10~28.90	1.93	0.2	0.031	5.50	<0.001	<0.001	1.83	0.007
377	5-28.90~30.85	0.90	0.4	0.030	5.73	<0.001	<0.001	2.80	0.007
378	5-30.85~33.00	0.23	<0.2	0.018	8.07	<0.001	<0.001	0.95	0.012
379	5-33.00~33.45	0.15	<0.2	0.026	7.26	<0.001	<0.001	0.15	0.011
380	5-33.15	0.01	<0.2	0.035	7.56	<0.001	<0.001	<0.01	0.011
381	5-33.45~35.45	0.29	<0.2	0.019	6.43	<0.001	<0.001	0.86	0.009
382	5-35.45~36.15	0.23	<0.2	0.009	6.23	<0.001	<0.001	0.73	0.009
383	5-36.15~38.20	0.15	<0.2	0.018	6.75	<0.001	<0.001	0.26	0.010
384	5-38.20~39.40	0.03	<0.2	0.016	6.86	<0.001	<0.001	0.03	0.011
385	5-39.40~40.25	0.08	<0.2	0.016	7.54	<0.001	<0.001	<0.01	0.012
386	5-40.25~41.45	0.23	<0.2	0.025	8.18	<0.001	<0.001	0.35	0.013
387	5-40.45	1.30	<0.2	0.008	6.34	<0.001	<0.001	3.15	0.007
388	5-41.45~43.00	0.07	<0.2	0.016	5.73	<0.001	<0.001	0.35	0.009
389	5-43.00~44.00	0.06	<0.2	0.019	5.97	<0.001	<0.001	<0.01	0.010
390	5-44.95	0.01	<0.2	0.015	5.12	<0.001	<0.001	0.04	0.009
391	5-49.40~49.70	0.44	<0.2	0.010	5.18	<0.001	<0.001	1.92	0.005
392	5-51.80~52.10	0.11	<0.2	0.017	6.69	<0.001	<0.001	0.37	0.009
393	5-60.00	0.01	<0.2	0.014	4.31	<0.001	<0.001	0.03	0.006
394	5-60.45~60.60	1.10	<0.2	0.005	2.00	<0.001	<0.001	0.32	0.003
395	5-66.80~68.00	0.32	<0.2	0.017	5.12	<0.001	<0.001	0.31	0.009
396	5-68.00~68.70	0.15	<0.2	0.011	4.90	<0.001	<0.001	0.37	0.010
397	5-68.70~69.50	0.41	<0.2	0.015	5.70	<0.001	<0.001	0.41	0.010
398	5-74.20	0.01	<0.2	0.015	4.93	<0.001	<0.001	<0.01	0.011
399	5-82.00~83.20	0.03	<0.2	0.013	5.11	<0.001	<0.001	0.05	0.009
400	5-83.20~84.90	0.04	<0.2	0.015	5.48	<0.001	<0.001	0.06	0.011
401	5-83.60	0.01	<0.2	0.017	4.18	<0.001	<0.001	0.02	0.009
402	5-84.90~85.70	0.15	<0.2	0.008	4.54	<0.001	<0.001	0.51	0.010
403	5-93.50	0.01	<0.2	0.018	4.85	<0.001	<0.001	<0.01	0.010
404	5-105.00	0.05	<0.2	0.014	4.39	<0.001	<0.001	<0.01	0.009
405	5-119.10	0.02	<0.2	0.020	6.52	<0.001	<0.001	0.01	0.012
406	5-131.35	0.01	<0.2	0.019	5.19	<0.001	<0.001	0.40	0.007
407	6-0.80~3.00	0.10	<0.2	0.025	7.22	<0.001	0.001	0.03	0.009
408	6-3.00~4.70	0.39	<0.2	0.029	8.14	<0.001	0.001	0.01	0.018
409	6-4.70~5.25	1.00	<0.2	0.030	6.89	<0.001	<0.001	0.02	0.064
410	6-5.25~8.00	1.41	<0.2	0.032	8.04	<0.001	0.001	0.05	0.029
411	6-8.00~9.30	0.19	<0.2	0.016	4.56	<0.001	<0.001	0.34	0.005
412	6-9.30~10.40	0.09	0.2	0.017	5.61	<0.001	<0.001	0.12	0.008
413	6-10.40~11.50	0.10	0.2	0.015	5.54	<0.001	<0.001	0.11	0.008
414	6-11.50~11.65	0.49	0.4	0.017	5.22	<0.001	<0.001	1.79	0.007
415	6-11.65~12.85	0.16	<0.2	0.018	5.84	<0.001	<0.001	0.45	0.008
416	6-12.85~13.40	0.18	0.2	0.013	4.85	<0.001	<0.001	1.06	0.006
417	6-13.40~14.00	0.22	0.2	0.020	3.55	<0.001	<0.001	0.67	0.007
418	6-14.00~16.80	1.15	0.2	0.014	5.12	<0.001	<0.001	1.10	0.008
419	6-16.80~20.70	0.67	0.2	0.022	6.20	<0.001	<0.001	1.49	0.009
420	6-20.70~22.70	0.90	0.2	0.010	5.53	<0.001	<0.001	1.63	0.008
421	6-22.70~22.75	0.80	0.6	0.024	6.84	<0.001	0.001	3.29	0.008
422	6-22.75~23.80	0.80	0.4	0.023	6.91	<0.001	<0.001	2.26	0.010
423	6-23.80~24.50	0.15	0.2	0.036	5.66	<0.001	<0.001	0.23	0.009

Appendix-1 Results of Chemical Analysis for Ore Samples (6)

No.	Sample No.	Au (g/t)	Ag (g/t)	Cu (%)	Fe (%)	Mn (%)	Pb (%)	S (%)	Zn (%)
424	6-24.50~24.65	0.15	0.2	0.001	3.81	<0.001	<0.001	0.26	0.018
425	6-24.65~26.60	0.07	<0.2	0.021	5.01	<0.001	<0.001	0.01	0.009
426	6-26.60~28.80	0.08	<0.2	0.023	5.89	<0.001	<0.001	0.01	0.010
427	6-28.80~31.50	0.17	0.2	0.019	5.51	<0.001	<0.001	0.22	0.009
428	6-31.50~32.80	0.13	<0.2	0.015	5.72	<0.001	<0.001	0.36	0.007
429	6-32.80~33.30	0.05	<0.2	0.026	6.98	<0.001	<0.001	0.05	0.011
430	6-33.30~33.80	0.25	<0.2	0.011	5.68	<0.001	<0.001	1.00	0.006
431	6-33.80~36.70	0.22	<0.2	0.015	5.88	<0.001	<0.001	0.85	0.008
432	6-36.70~37.60	0.24	<0.2	0.008	4.97	<0.001	<0.001	1.09	0.006
433	6-37.60~38.80	0.21	<0.2	0.015	4.72	<0.001	<0.001	0.81	0.006
434	6-39.60~40.55	0.36	<0.2	0.014	4.70	<0.001	<0.001	0.96	0.007
435	6-40.55~40.70	0.21	<0.2	0.019	5.41	<0.001	<0.001	0.82	0.007
436	6-40.70~41.10	0.33	<0.2	0.019	5.50	<0.001	<0.001	1.15	0.007
437	6-41.10~41.80	0.14	<0.2	0.029	6.24	<0.001	<0.001	0.11	0.010
438	6-41.80~42.50	0.06	<0.2	0.019	6.51	<0.001	<0.001	0.07	0.010
439	6-59.50~60.65	0.11	<0.2	0.016	4.71	<0.001	<0.001	0.32	0.007
440	6-66.20~66.65	0.11	<0.2	0.015	5.48	<0.001	<0.001	0.15	0.009
441	6-68.24~69.10	0.07	0.2	0.018	5.24	<0.001	<0.001	0.13	0.009
442	6-82.50~83.50	0.06	<0.2	0.016	5.58	<0.001	<0.001	0.06	0.010
443	6-83.50~84.80	0.08	0.2	0.019	5.45	<0.001	<0.001	0.76	0.008
444	6-84.80~85.90	0.12	0.2	0.009	5.68	<0.001	<0.001	1.82	0.007
445	6-85.90~87.00	0.05	<0.2	0.017	5.76	<0.001	<0.001	0.60	0.010
446	6-95.25~95.40	0.01	<0.2	0.010	3.40	<0.001	<0.001	0.09	0.007
447	7-1.80~3.75	0.03	<0.2	0.019	9.33	<0.001	<0.001	0.03	0.019
448	7-8.00~11.00	0.50	<0.2	0.019	7.47	<0.001	<0.001	0.01	0.024
449	7-14.40~16.60	0.17	<0.2	0.018	7.29	<0.001	<0.001	<0.01	0.026
450	7-18.00~20.40	0.60	0.2	0.020	7.02	<0.001	<0.001	<0.01	0.017
451	7-20.40~20.90	0.02	0.2	0.014	6.30	<0.001	<0.001	<0.01	0.012
452	7-20.90~22.00	0.02	<0.2	0.013	5.48	<0.001	<0.001	0.03	0.010
453	7-31.90~32.00	0.02	<0.2	0.018	6.09	<0.001	<0.001	<0.01	0.011
454	7-32.00~32.45	<0.01	<0.2	0.008	2.99	<0.001	<0.001	<0.01	0.007
455	7-32.45~33.15	<0.01	<0.2	0.015	4.66	<0.001	<0.001	<0.01	0.010
456	7-41.00~42.55	0.06	<0.2	0.023	6.35	<0.001	<0.001	0.02	0.010
457	7-42.55~44.00	0.03	<0.2	0.007	6.96	<0.001	<0.001	0.04	0.010
458	7-44.00~45.40	<0.01	<0.2	0.005	6.90	<0.001	<0.001	<0.01	0.010
459	7-45.40~47.90	0.01	<0.2	0.013	6.55	<0.001	<0.001	0.01	0.011
460	7-47.90~49.70	0.01	<0.2	0.012	5.83	<0.001	<0.001	<0.01	0.008
461	7-48.75	<0.01	<0.2	0.020	6.71	<0.001	<0.001	<0.01	0.009
462	7-49.70~50.60	<0.01	0.2	0.014	7.14	<0.001	<0.001	<0.01	0.009
463	7-50.60~52.25	0.01	<0.2	0.018	6.63	<0.001	<0.001	0.01	0.011
464	7-52.25~52.65	<0.01	<0.2	0.019	8.37	<0.001	<0.001	0.02	0.011
465	7-52.40	<0.01	<0.2	0.026	8.39	<0.001	<0.001	0.02	0.011
466	7-52.65~52.72	<0.01	<0.2	0.009	4.82	<0.001	<0.001	0.01	0.006
467	7-52.72~53.50	<0.01	<0.2	0.012	6.81	<0.001	<0.001	0.01	0.006
468	8-0.00~3.00	0.07	<0.2	0.021	10.00	<0.001	<0.001	0.05	0.032
469	8-3.00~6.00	0.06	<0.2	0.020	9.22	<0.001	<0.001	0.02	0.036
470	8-6.00~9.00	0.12	<0.2	0.028	8.72	<0.001	<0.001	0.02	0.027
471	8-11.30~12.00	0.28	<0.2	0.019	7.59	<0.001	<0.001	0.01	0.063
472	8-12.00~18.00	0.21	<0.2	0.024	8.21	<0.001	0.002	0.04	0.036
473	8-18.00~19.50	0.04	0.2	0.051	9.49	<0.001	<0.001	<0.01	0.039
474	8-19.50~20.00	2.25	<0.2	0.033	6.51	<0.001	<0.001	<0.01	0.014
475	8-20.00~22.50	0.11	<0.2	0.009	9.39	<0.001	<0.001	<0.01	0.017
476	8-22.50~24.35	0.11	<0.2	0.017	7.30	<0.001	<0.001	0.02	0.013
477	8-23.70	2.60	0.2	0.015	7.38	<0.001	<0.001	0.18	0.008
478	8-24.35~26.00	0.17	<0.2	0.080	6.19	<0.001	0.003	0.02	0.045
479	8-26.00~27.50	0.01	<0.2	0.010	5.43	<0.001	<0.001	0.04	0.010
480	8-27.50~29.00	0.01	<0.2	0.015	6.96	<0.001	<0.001	<0.01	0.013
481	8-80.00~81.25	<0.01	<0.2	0.002	5.17	<0.001	<0.001	<0.01	0.007
482	8-81.25~81.75	0.07	<0.2	0.004	5.62	<0.001	<0.001	0.78	0.007
483	8-81.75~83.20	0.30	<0.2	0.006	6.16	<0.001	<0.001	0.63	0.009
484	8-82.25	0.38	<0.2	0.004	6.03	<0.001	<0.001	3.76	0.005
485	8-83.20~84.20	1.15	<0.2	0.009	6.31	<0.001	<0.001	1.06	0.008
486	8-84.20~85.80	0.38	<0.2	0.026	7.01	<0.001	<0.001	0.79	0.016
487	8-85.80~87.00	0.22	<0.2	0.026	7.51	<0.001	<0.001	0.37	0.010
488	8-99.55	0.01	<0.2	0.020	5.91	<0.001	<0.001	0.06	0.008
489	8-101.00~102.80	0.01	<0.2	0.017	5.80	<0.001	<0.001	0.02	0.009
490	8-102.80~103.70	0.12	<0.2	0.020	5.95	<0.001	<0.001	0.22	0.009
491	8-103.70~105.75	0.02	<0.2	0.022	5.95	<0.001	<0.001	0.08	0.009
492	8-105.75~106.25	0.07	<0.2	0.022	7.05	<0.001	<0.001	0.15	0.011
493	8-106.25~107.25	0.03	<0.2	0.017	5.95	<0.001	<0.001	0.14	0.010
494	8-107.25~109.00	0.01	<0.2	0.018	5.53	<0.001	<0.001	0.01	0.010
495	9-1.00~4.00	0.10	<0.2	0.019	9.66	<0.001	<0.001	0.05	0.014
496	9-4.00~7.00	0.13	<0.2	0.019	9.10	<0.001	<0.001	0.03	0.016
497	9-7.00~10.00	1.90	<0.2	0.022	8.91	<0.001	<0.001	0.08	0.016
498	9-10.00~13.00	0.47	<0.2	0.027	9.49	<0.001	0.001	0.02	0.018
499	9-13.00~16.00	0.25	<0.2	0.044	12.05	<0.001	0.001	<0.01	0.023
500	9-16.00~19.00	1.31	<0.2	0.035	9.78	<0.001	<0.001	0.01	0.017
501	9-19.00~22.00	0.70	<0.2	0.026	9.26	<0.001	0.001	0.01	0.017
502	9-20.10	0.13	<0.2	0.019	4.62	<0.001	<0.001	<0.01	0.010
503	9-22.00~23.00	0.27	<0.2	0.020	6.85	<0.001	<0.001	0.02	0.023
504	9-23.00~24.50	0.39	<0.2	0.021	8.04	<0.001	0.001	<0.01	0.012
505	9-24.50~25.00	0.25	<0.2	0.022	6.73	<0.001	<0.001	0.06	0.013
506	9-25.00~27.00	0.03	<0.2	0.017	7.36	<0.001	<0.001	0.02	0.014
507	9-27.00~29.70	0.02	<0.2	0.018	7.06	<0.001	<0.001	<0.01	0.013
508	9-29.70~31.10	0.01	<0.2	0.015	5.67	<0.001	<0.001	0.02	0.011

Appendix-1 Results of Chemical Analysis for Ore Samples (7)

No.	Sample No.	Au(g/t)	Ag(g/t)	Cu(%)	Fe(%)	Mo(%)	Pb(%)	S(%)	Zn(%)
509	9-31.10~32.40	0.02	<0.2	0.018	6.55	<0.001	<0.001	0.01	0.013
510	9-32.40~33.50	0.01	<0.2	0.022	6.57	<0.001	<0.001	0.02	0.012
511	9-34.45~34.60	0.02	<0.2	0.031	4.44	<0.001	<0.001	<0.01	0.008
512	9-48.30	0.17	<0.2	0.006	5.07	<0.001	<0.001	<0.01	0.006
513	9-55.10~56.00	0.26	<0.2	0.016	6.25	<0.001	<0.001	0.01	0.011
514	9-56.00~57.00	0.26	<0.2	0.014	5.76	<0.001	<0.001	1.20	0.010
515	9-57.00~58.00	0.18	<0.2	0.006	4.45	<0.001	<0.001	0.21	0.006
516	9-58.00~49.00	0.06	<0.2	0.006	7.48	<0.001	<0.001	0.04	0.009
517	9-58.85	0.11	<0.2	0.005	5.10	<0.001	<0.001	0.20	0.006
518	9-59.00~59.85	0.05	<0.2	0.003	6.64	<0.001	<0.001	0.09	0.008
519	9-59.85~61.00	0.16	<0.2	0.007	5.18	<0.001	<0.001	0.43	0.007
520	9-61.00~61.90	0.19	<0.2	0.013	4.81	<0.001	<0.001	1.19	0.006
521	9-61.50~61.70	0.10	<0.2	0.003	2.37	<0.001	<0.001	0.67	0.002
522	9-61.90~62.90	0.17	<0.2	0.023	6.46	<0.001	<0.001	0.91	0.010
523	9-62.82~63.00	0.10	0.2	0.020	5.91	<0.001	0.001	0.67	0.005
524	9-62.90~63.80	0.08	<0.2	0.012	6.50	<0.001	<0.001	0.30	0.009
525	9-63.80~65.20	0.04	<0.2	0.011	5.94	<0.001	<0.001	0.05	0.007
526	9-65.20~65.40	0.32	<0.2	0.017	5.96	<0.001	<0.001	0.53	0.009
527	9-65.40~66.60	0.02	<0.2	0.019	5.29	<0.001	<0.001	0.04	0.009
528	9-66.60~68.10	0.06	<0.2	0.027	6.56	<0.001	<0.001	0.22	0.012
529	9-67.50	0.01	<0.2	0.022	6.45	<0.001	<0.001	<0.01	0.013
530	9-68.10~69.30	0.14	<0.2	0.027	8.20	<0.001	<0.001	0.54	0.014
531	9-69.30~69.50	0.31	<0.2	0.016	6.41	<0.001	<0.001	1.52	0.009
532	9-69.50~70.50	0.21	<0.2	0.026	7.44	<0.001	<0.001	0.38	0.011
533	9-70.50~71.90	0.19	<0.2	0.025	7.54	<0.001	<0.001	0.73	0.011
534	9-71.90~73.70	0.33	<0.2	0.013	6.72	<0.001	<0.001	0.61	0.009
535	9-73.70~73.85	0.25	<0.2	0.008	5.18	<0.001	<0.001	0.96	0.006
536	9-73.85~74.60	0.18	<0.2	0.020	6.59	<0.001	<0.001	0.54	0.009
537	9-74.60~75.90	0.05	<0.2	0.032	6.12	<0.001	<0.001	0.05	0.011
538	9-75.90~77.20	0.20	<0.2	0.020	5.74	<0.001	<0.001	0.49	0.008
539	9-77.20~78.20	0.22	<0.2	0.009	5.90	<0.001	<0.001	0.88	0.007
540	9-78.20~79.10	0.80	<0.2	0.007	5.54	<0.001	<0.001	0.59	0.008
541	9-79.10~80.00	0.06	<0.2	0.017	5.72	<0.001	<0.001	0.01	0.012
542	9-85.50~86.00	0.02	<0.2	0.014	4.83	<0.001	<0.001	0.02	0.009
543	9-97.00	0.03	<0.2	0.020	5.31	<0.001	<0.001	<0.01	0.009
544	9-99.60	0.01	<0.2	0.020	5.31	<0.001	<0.001	<0.01	0.008
545	10-0.00~3.00	0.45	<0.2	0.027	9.78	<0.001	<0.001	0.05	0.016
546	10-3.00~6.00	0.26	<0.2	0.027	8.72	<0.001	<0.001	0.06	0.021
547	10-6.00~8.65	0.60	<0.2	0.054	10.80	<0.001	<0.001	0.02	0.038
548	10-8.65~14.80	0.15	<0.2	0.050	9.07	<0.001	<0.001	0.03	0.019
549	10-14.80~18.00	0.04	<0.2	0.029	9.63	<0.001	<0.001	<0.01	0.017
550	10-18.00~19.60	0.03	<0.2	0.019	8.26	<0.001	<0.001	<0.01	0.017
551	10-19.60~19.80	0.05	0.4	0.030	7.92	0.004	<0.001	1.23	0.014
552	10-19.80~20.50	0.05	<0.2	0.022	7.57	<0.001	<0.001	0.11	0.013
553	10-20.50~20.70	0.01	<0.2	0.009	2.29	<0.001	<0.001	<0.01	0.005
554	10-20.70~22.30	0.43	<0.2	0.019	6.51	<0.001	<0.001	0.03	0.012
555	10-22.30~22.95	1.60	<0.2	0.010	7.98	<0.001	<0.001	2.37	0.011
556	10-22.95~27.85	0.19	<0.2	0.023	7.45	<0.001	<0.001	0.09	0.015
557	10-27.85~31.00	0.30	<0.2	0.018	6.52	<0.001	<0.001	0.02	0.010
558	10-32.15~33.35	0.40	<0.2	0.012	4.86	<0.001	<0.001	0.13	0.007
559	10-36.00~36.30	0.04	<0.2	0.018	4.45	<0.001	<0.001	<0.01	0.007
560	10-38.45~38.85	2.80	<0.2	0.006	5.20	<0.001	<0.001	0.51	0.007
561	10-64.75~66.50	0.10	<0.2	0.040	5.80	<0.001	<0.001	0.17	0.012
562	10-66.60~66.50	0.02	<0.2	0.017	5.19	<0.001	<0.001	<0.01	0.010
563	10-72.00~73.70	0.03	<0.2	0.012	5.12	<0.001	<0.001	0.01	0.007
564	10-73.70~75.75	0.01	<0.2	0.002	5.41	<0.001	<0.001	<0.01	0.004
565	10-75.75~76.00	0.01	<0.2	0.001	4.34	<0.001	<0.001	0.03	0.003
566	10-76.00~81.50	0.02	<0.2	0.018	5.74	<0.001	<0.001	0.04	0.009
567	10-81.50~83.50	0.18	<0.2	0.018	5.64	<0.001	<0.001	1.41	0.010
568	10-83.50~85.50	0.08	<0.2	0.017	5.68	<0.001	<0.001	0.63	0.010
569	10-85.50~88.25	0.02	<0.2	0.016	5.81	<0.001	<0.001	0.07	0.010
570	10-88.25~91.25	0.02	<0.2	0.015	4.99	<0.001	<0.001	1.19	0.010
571	10-91.25~94.35	0.06	<0.2	0.020	5.51	<0.001	<0.001	0.20	0.011
572	11-0.00~3.00	0.85	<0.2	0.027	9.61	<0.001	0.001	0.05	0.031
573	11-3.00~6.00	0.75	<0.2	0.023	9.20	<0.001	<0.001	0.02	0.025
574	11-6.00~9.00	0.24	<0.2	0.025	10.05	<0.001	<0.001	<0.01	0.040
575	11-9.00~13.00	0.12	<0.2	0.023	9.91	<0.001	0.001	0.01	0.075
576	11-15.00~18.00	0.05	<0.2	0.041	9.66	<0.001	<0.001	0.03	0.023
577	11-20.00~23.00	0.02	<0.2	0.012	9.61	<0.001	<0.001	<0.01	0.022
578	11-25.00~27.00	0.31	0.2	0.033	6.90	<0.001	<0.001	0.10	0.012
579	11-27.00~27.30	0.60	<0.2	0.023	6.03	<0.001	<0.001	0.78	0.008
580	11-27.30~30.85	0.09	<0.2	0.026	7.29	<0.001	<0.001	0.07	0.011
581	11-30.85~35.50	0.11	<0.2	0.031	7.95	<0.001	<0.001	<0.01	0.013
582	11-35.50~35.80	0.18	<0.2	0.029	7.52	<0.001	<0.001	0.17	0.011
583	11-35.80~37.75	0.28	<0.2	0.022	9.25	<0.001	0.001	0.01	0.013
584	11-37.75~38.45	0.39	<0.2	0.039	8.78	<0.001	<0.001	1.61	0.014
585	11-38.45~39.25	0.05	0.2	0.026	7.59	<0.001	<0.001	0.08	0.012
586	11-39.25~40.15	0.27	<0.2	0.020	6.71	<0.001	<0.001	0.84	0.009
587	11-40.15~42.00	0.24	<0.2	0.023	10.10	<0.001	<0.001	0.21	0.013
588	11-42.00~44.50	0.28	<0.2	0.011	8.18	<0.001	<0.001	0.05	0.011
589	11-49.30~49.70	0.09	<0.2	0.024	6.31	<0.001	<0.001	0.01	0.009
590	11-51.90~54.50	0.33	<0.2	0.022	6.49	<0.001	<0.001	0.02	0.010
591	11-54.50~55.60	0.35	<0.2	0.011	4.91	<0.001	<0.001	<0.01	0.007
592	11-55.60~58.55	0.09	<0.2	0.017	7.28	<0.001	<0.001	0.01	0.010
593	11-58.55~63.60	0.16	<0.2	0.016	6.06	<0.001	<0.001	<0.01	0.010

Appendix-1 Results of Chemical Analysis for Ore Samples (8)

No.	Sample No.	Au (g/t)	Ag (g/t)	Cu (%)	Fe (%)	Mo (%)	Pb (%)	S (%)	Zn (%)
594	11-63.50~68.30	0.18	<0.2	0.017	5.68	<0.001	<0.001	<0.01	0.009
595	11-68.30~73.50	0.19	<0.2	0.017	5.74	<0.001	<0.001	<0.01	0.010
596	11-73.50~76.50	0.21	<0.2	0.014	5.15	<0.001	<0.001	<0.01	0.009
597	11-76.50~78.45	0.16	<0.2	0.021	6.26	<0.001	<0.001	<0.01	0.009
598	11-78.45~78.60	0.06	<0.2	0.005	1.83	<0.001	<0.001	<0.01	0.003
599	11-78.60~82.60	0.34	<0.2	0.020	5.56	<0.001	<0.001	<0.01	0.010
600	11-82.60~88.40	0.18	<0.2	0.015	5.52	<0.001	<0.001	<0.01	0.009
601	11-90.80~95.30	0.04	<0.2	0.013	4.57	<0.001	<0.001	<0.01	0.007
602	12-8.00~8.25	0.04	<0.2	0.017	6.27	<0.001	<0.001	0.03	0.011
603	12-8.25~8.40	0.11	<0.2	0.008	3.94	<0.001	<0.001	0.02	0.007
604	12-8.40~9.25	0.08	<0.2	0.014	6.36	<0.001	<0.001	<0.01	0.012
605	12-17.75~18.15	0.02	<0.2	0.014	4.93	<0.001	<0.001	<0.01	0.009
606	12-18.15~20.15	0.01	<0.2	0.012	4.93	<0.001	<0.001	0.01	0.008
607	12-20.15~21.25	<0.01	<0.2	0.013	3.76	<0.001	<0.001	0.01	0.008
608	12-36.00~37.50	0.02	<0.2	0.015	4.93	<0.001	<0.001	<0.01	0.006
609	12-37.50~39.00	0.62	<0.2	0.001	5.97	<0.001	<0.001	<0.01	0.005
610	12-39.00~40.20	0.02	<0.2	0.013	5.77	<0.001	<0.001	0.02	0.009
611	12-40.20~45.70	0.02	<0.2	0.014	4.80	<0.001	<0.001	0.03	0.007
612	12-44.50	0.01	<0.2	0.052	8.18	<0.001	<0.001	0.03	0.013
613	12-52.15~52.80	<0.01	<0.2	0.021	6.82	<0.001	<0.001	0.03	0.010
614	12-52.80~53.80	0.01	<0.2	0.020	6.42	<0.001	<0.001	0.01	0.009
615	12-87.05~88.30	<0.01	<0.2	0.015	3.95	<0.001	<0.001	<0.01	0.009
616	12-91.00~97.15	<0.01	<0.2	0.016	5.06	<0.001	<0.001	0.02	0.010
617	12-44.50	0.01	<0.2	0.046	7.88	<0.001	<0.001	0.05	0.013
618	ACR-01	1.30	<0.2	0.010	6.17	<0.001	<0.001	0.01	0.009
619	ACR-02	0.11	<0.2	0.023	8.78	<0.001	<0.001	0.02	0.011
620	ACR-06	1.20	<0.2	0.017	7.55	<0.001	<0.001	0.08	0.007
621	ACR-07	0.16	<0.2	0.017	7.36	<0.001	<0.001	0.01	0.009
622	ACR-10	3.80	<0.2	0.004	1.62	<0.001	<0.001	0.01	0.001
623	ACR-12	1.45	0.2	0.004	5.25	<0.001	<0.001	0.71	0.002
624	FL-5-1	1.10	<0.2	0.030	9.68	<0.001	<0.001	0.43	0.011
625	FL-5-2	0.19	0.2	0.050	9.85	<0.001	<0.001	0.05	0.016
626	KKR-01	0.01	<0.2	0.018	5.14	<0.001	<0.001	0.02	0.011
627	KKR-06	<0.01	<0.2	0.031	4.25	<0.001	0.001	0.02	0.009
628	KKR-09-1	<0.01	<0.2	0.003	3.37	<0.001	<0.001	<0.01	0.008
629	KKR-09-2	0.01	<0.2	0.006	4.77	<0.001	0.001	0.01	0.012
630	BC-01	0.01	<0.2	0.019	5.98	<0.001	<0.001	<0.01	0.009
631	BC-02	<0.01	<0.2	0.024	6.00	<0.001	<0.001	<0.01	0.009
632	BC-03-1	0.01	<0.2	0.009	2.88	<0.001	<0.001	<0.01	0.003
633	BC-03-2	0.04	<0.2	0.001	1.96	<0.001	0.001	<0.01	0.001

Appendix-2 Results of Chemical Analysis for Soil Samples (1)

No.	Element Units Detection	Au ppb 1.0	Ag ppm 0.2	As ppm 2.0	Cu ppm 1.0	Fe % 0.01	Hg ppm 1.0	Mo ppm 1.0	Pb ppm 2.0	S % 0.01	Sb ppm 2.0	Zn ppm 2.0
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Appendix-2 Results of Chemical Analysis for Soil Samples (2)

No.	Element Unit Detection	Au ppb	Ag ppm	As ppm	Cu ppm	Fe %	Hg ppm	Mo ppm	Pb ppm	S %	Sb ppm	Zn ppm
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Appendix-2 Results of Chemical Analysis for Soil Samples (3)

No.	Element Units Detection	Au ppb 1.0	Ag ppb 0.2	As ppm 2.0	Cu ppm 1.0	Fe % 0.01	Hg ppm 1.0	K ppm 1.0	Pb ppm 2.0	S % 0.01	Sb ppm 2.0	Zn ppm 2.0
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Appendix-2 Results of Chemical Analysis for Soil Samples (4)

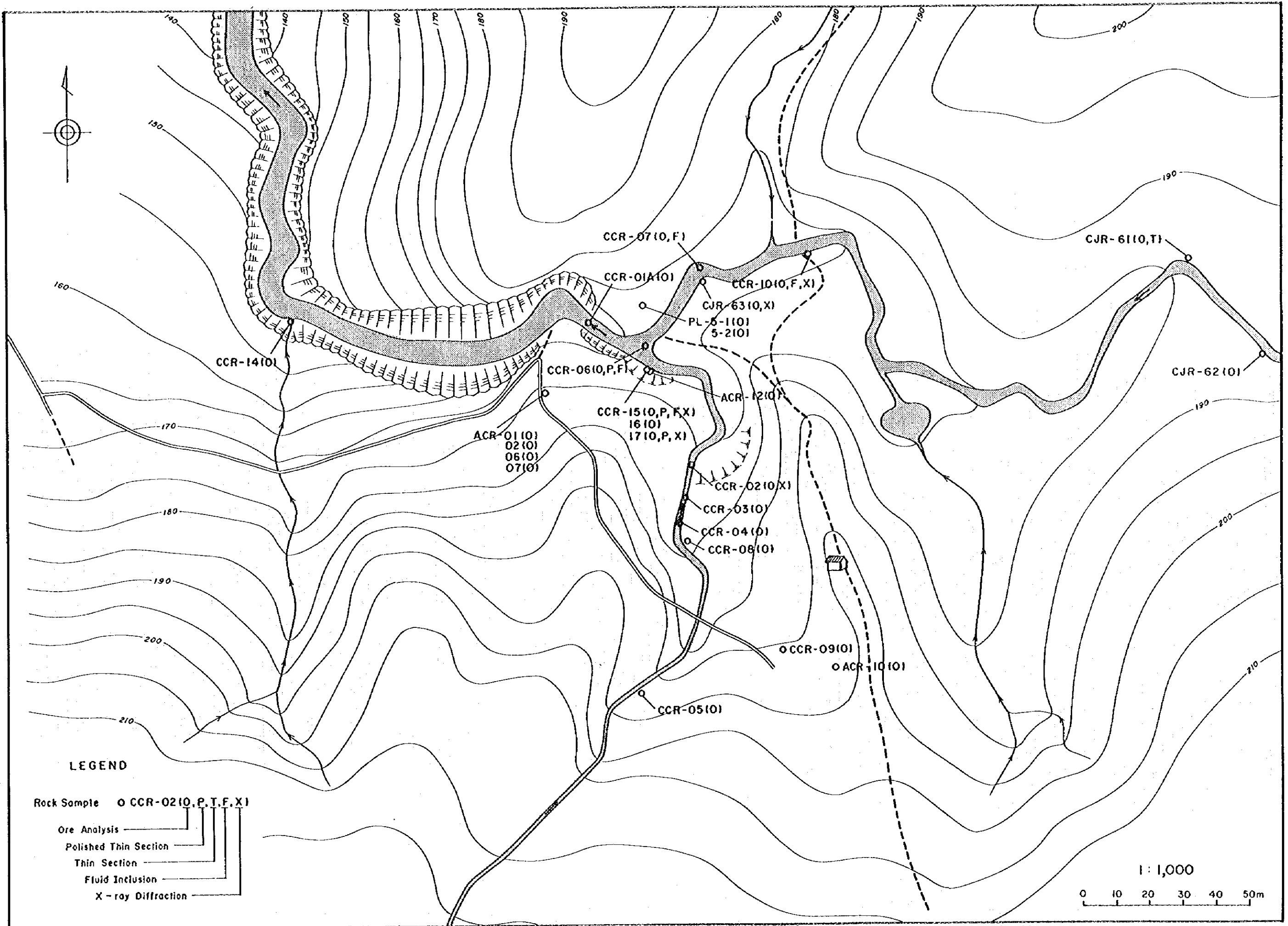
No.	Element Units Detection Limit	Au ppb	Ag ppb	As ppb	Cu ppm	Fe %	Hg ppb	Mo ppm	Pb ppb	S %	Sb ppb	Zn ppm
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Appendix-2 Results of Chemical Analysis for Soil Samples (5)

No.	Element Units Detection Limit	Au ppb 1.0	Ag ppb 0.2	As ppm 2.0	Cu ppm 1.0	Fe % 0.01	Hg ppm 1.0	Mo ppm 1.0	Pb ppm 2.0	S % 0.01	Sb ppm 2.0	Zn ppm 2.0
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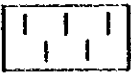
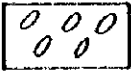

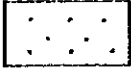
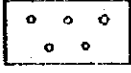
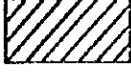
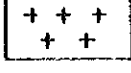
Appendix-2 Results of Chemical Analysis for Soil Samples (6)

No.	Element Units Detection	Au ppb 1.0	Ag ppb 0.2	As ppb 0.0	Cu ppb 1.0	Fe % 0.01	Hg ppb 1.0	Mo ppb 1.0	Pb ppb 2.0	S % 0.01	Sb ppb 2.0	Zn ppb 2.0
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Appendix-3 Sampling Locations of Rocks in Carorongán Area

LEGEND OF CORE LOGGING SHEET

	soil
	schistosed lapilli tuff
	very coarse sandstone → V.C. sandstone → VCSS
	fine sandstone → f. sandstone → fss
	{ medium sandstone → m. sandstone → mss coarse sandstone → c. sandstone → css siltstone → silt.
	
	schistosed gabbro
~ ~ ~	sheared zone

Bedding / Schistosity → Bed./Sch.

<10° : bedding
 <45° : schistosity
 S₁

Color

bw : brown, brownish
 yel : yellow, yellowish
 gn : green, greenish
 gy : gray, grayish
 dk : dark
 lt : light
 rd : red, reddish
 wt : white, whitish

Description

carb. : carbonitization
 qv : quartz vein
 qvt : veinlets
 limo : limonite
 py : pyrite
 stg. : strong or strongly
 frg : fragments
 sil : silicified or silicification
 diss : dissemination
 bar. : barren
 lap.tf : lapilli tuff
 ep : epidote
 gb : gabbro
 chl : chlorite
 sh : shale

Alteration and Mineralization

V : frequency of veins / veinlets
 S : intensity of silicification
 Ep : intensity of epidotization
 Py : intensity of pyritization

0' : rare
 1 : a few / a little
 2 : common
 3 : abundant
 4 : extremely abundant

Fracture → Fr

⑤ : frequency of fractures, related to fault(?)
 3 : frequency of fractures
 CR : core recovery

Laboratory test → Lab. test

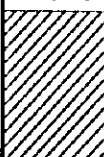
P : polished thin section
 X : x-ray diffraction analysis
 W : whole rock analysis
 F : homogenization temperature of fluid inclusion
 K-Ar : K-Ar dating

MJPC - 1(1) S50°W, -60° 0.00 - 45.00m

Platform 1
Altitude 179.00m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization					Fracture	Assay		Lab. test	
						V	S	Ep	Py	Fr		CR (%)	Au (g/t)		Cu (%)
0.40			overburden	bw gy											
1.00			highly weathered rocks and soil	dk rd bw	weathered zone up to 13.55m original rock							0.16	0.02		
1.50		rd bw		1.00 - 1.50m } silt											
		dk bw		11.30 - 12.00m } mss											
5.40		yel bw		7.40 - 8.90m } ss or gabbro?									0.07	0.03	
6.90				9.30 - 10.30m } some wt argillite?											
				5.40 - 6.90m } the rest parts are soil									0.25	0.03	
10					dk bw										
11.30															
12.00					bw								0.04	0.03	
13.55				c. sandstone	gn gy	with dk gn spotted mineral									
16.45			silicified siltstone	cream wt	highly silicified 17.10 - 18.10m wt qv with limo, py	3.5	3.5	0+	0+	1		0.90	0.01		
18.10			soil	bw gy	soil after weathering ss origin							0.80	0.03		
20												1.00	0.03		
20.55			c. sandstone	gn bw	20.55 - 24.70m fracture surface is marked by bk staining							1.20	0.03		
24.00						2.5						0.08	0.02		
25.60			v.c. sandstone	gn gy	with intermittent qvt 0.1 - 0.5mm			0+							
27.00			lapilli tuff		26.70 - 29.00m fracture surface is marked by bk staining										
29.00															
30			m. sandstone with silt intercalations		schistosed sandstone qvt with py: 60 - 80° some g-chl veins: without py	3.5	2.5	0+	3.5	3f?		0.16	0.02		
32.00			v.c. sandstone	gn gy	silt. zone (32.00 - 34.20m, 35.60 - 35.85m) are cut by clear wt qvt and chl vt										
33.30			lapilli tuff			2	0+	0+							
			m. sandstone		with intercalations of siltstone	3.5	3.5	3.5				0.14	0.01		
38.00															
40			schistosed lapilli tuff	yel gn	40.00, 42.00m qv 1cm, 45°	2	0+	3	0+						
					41.55 - 43.40m cream colored silicified zone	3									
						3.5	3.5	0+	3.5			0.29	0.01		
							0+	2.5	1						

Appendix-4 Geologic Column of Drilling Cores (1) f? = fault?

MJPC - I (2) S50°W, - 60° 45.00-50.20m Platform 2 Altitude 179.00m													
Depth(m)	geologic column	Bed/Sch.	Rock name	color	Description	Alteration and Mineralization				Frac- ture	Assay		Lab. test
						V	S	Ep	Py		FR	CR (%)	
46.10	0 0 0	<5-10° S ₁	lapilli tuff	yel gn									
		<35°	siltstone with intercalations of m.sandstone	gn gy	48.55m q-chl vein 2cm strong epidotization along finer siltstone layers	3	0 ⁺						
50-		<25°				0 ⁺		2	0 ⁺				
50.20													

Appendix-4 Geologic Column of Drilling Cores (2)
A - 19

MJPC - 2(1) S50°W, -60° 0.00 - 45.00m

Platform 1
Altitude 179.00m

Depth (m)	geologic column	Bed/Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
			overburden											
3.20			highly weathered rock	rd bw	original rock : css(?) sporadic lenticular spot of argillite → original rock : gabbro(?)							0.30	0.02	
3.60										30		0.37	0.02	
4.30										76				
4.75			siltstone (?)	rd purp bw	red purplish brown tuffaceous silt					3		0.24	0.03	
7.15			soil	yel ochre	after ss (?)									
8.65			m. sandstone	gn gy	8.65 - 13.15 m highly fragmented	0+				2.5	50	0.22	0.03	
10						3	0+	2						
10.75			siltstone			0+				3	60			
11.75			c. sandstone	gn bw gy	11.75 - 13.15 m ss > soil							0.04	0.02	
13.15										3				
15.80			soil	bw gy	sticky soil (clay) weathering : up to 15.80m	0						0.03	0.02	
16.90		< 45°	c. sandstone		15.80 - 21.75m fracture surface is marked by bw - bk staining probably because of circulation of ground water									
18.30			schistosed v.c. sandstone					2.5			80			
20		< 75°	c. > m. - f. sandstone		20.25 - 21.35 m m - f ss	1				2.5				
21.35		< 70° S ₁	schistosed lapilli tuff		frg : elongated, essential φ = 0.5 - 1.5 x 2.5 cm					3.5		62		
24.35		< 65° S ₁				3.5				2	71			
25.80		< 55°	c. > m. sandstone	gn gy	24.95 - 25.10 m qv 6cm 30°					2.5		0.02	0.01	
27.20		< 40°	f. sandstone		25.55 m qv 7cm 28.05 - 28.15 m qv 10cm	3				1	70	0.00	0.00	
30		< 90° S ₁			fault of 26.70 - 27.50 m and 33.85 - 34.80 m					3	58			
36.00		< 70° S ₁	schistosed lapilli tuff		27.20 - 36.00 m frg : essential, lenticular or angular φ = 1.5 x 3.5 cm (max) 2 episodes of veining (0.5 - 2.0 cm) high angle (60° - 80°) cut low angle (10° - 40°) system qv and qvt milky - transparent, barren	3.5			0+			0.23	0.01	
38.75		< 80° S ₁				2.5				1				
42.25		< 30° S ₁	m. sandstone	yel gn	cut by qvt with 2 trends: 28° - 30° and 60° - 80°					2				
		< 75°	siltstone with slate intercalations	lo dk bw	affected by randomly oriented qvt	3	0.5	2.5				0.04	0.02	
		< 45°												
		< 30° S ₁	schistosed gabbro	gn gy	with limo minute dots without mt 2 sets of veining; one is wt and the other is creamy	2.5	0+	1.5				0.07	0.02	
		< 30° S ₁								87		0.04	0.02	

Appendix-4 Geologic Column of Drilling Cores (3)

MJPC - 2(2) S50°W, - 60° 45.00--50.40m

Platform I
 Allitude 179.00m

Depth(m)	geologic column	Bed/Sch.	Rock name	color	Description	Alteration and Mineralization				Frac-ture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
50-50.40	+++ +++ +++ +++ +++ +++	X ^{50°} X ^{50°} X ^{50°} X ^{50°} X ^{50°} X ^{75°}	schistosed gabbro	gn gy	wt clear veinlet usually cut creamy wt veinlet 44.00m, 45.40m, 46.20m qv 1-2cm . 30°		2				87	0.04	0.02	
						3		o ⁺	o ⁺					
							1							
						1.5		3	2					

Appendix-4 Geologic Column of Drilling Cores (4)

MJPC - 3(1) S50°W, -60° 0.00 - 45.00m

Platform 2
Altitude 177.50m

Depth (m)	geologic column	Bed/Sch.	Rock name	color	Description	Alteration and Mineralization					Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)		
1.00			overburden		soil										
			soil	bw											
7.30			m.-c. sandstone	yel ochre	weathered and schistosed	2.5	2.5		0		29				
											60				
10			schistosed lapilli tuff	pale gn gy	weathering : up to 12.40m				1.5	3	40				
12.40						2	1.5	0	0		35	0.02	0.01		
15.70			c. sandstone	lt gy	stg. sil. and carb. qz veinlets 17.70m milky qv, 1.5cm 70° barren	3.5	3.5		2		89	0.70	0.02		
17.30						3	1.5		0.5			0.60	0.02		
17.30						3.5	3		2			0.14	0.01		
17.30												0.07	0.03		
17.30												0.70	0.01		15.75m
17.30												0.28	0.03		P, X
17.30												0.10	0.02		
20			schistosed v.c. sandstone		cut by numerous, randomly oriented qvt 17.70m qv 1.5cm 70° barren 20.60-20.80m milky barren qv 60°				0.5			0.04	0.02		18.85m
20												0.13	0.02		P, X, W
20.80		qv	schistosed gabbro			3.5	2		0.5	1		1.29	0.01		20.70m
20.80												0.18	0.02		F
23.30			c. sandstone		py ϕ = 2-5mm diss.		3.5		2.5	3	72	0.11	0.02		
25.40									0.5			0.14	0.01		
25.40			schistosed gabbro		27.30-28.55m chilled margin		1.5		0.4			0.28	0.02		
25.40							2		0.5			0.21	0.01		
25.40												0.23	0.01		
25.40												0.08	0.02		
28.55			f. sandstone		29.70m So = 15° (silt/fss)	2						0.02	0.02		
29.70							1.5		0.4						
30			c. sandstone						0.5						
30.95			f.-m. sandstone		fss (60%) with mss (40%) intercalations					2	47	0.09	0.02		
33.30			schistosed lapilli tuff		frag: elongated, max 4x50mm stg. silicification sheared zone at 35.65-36.65m	3.5	3		2.5			0.32	0.02		
35.65												0.40	0.02		
36.65			v.c. sandstone		schistosed							0.06	0.02		
37.75			css sill		small fault	3	1.5		0+						
38.80															
40			siltstone		silt (70%) chocolate color f- <i>css</i> (30%)	0.5	1		0+						
40			f.-c. sandstone			3	1.5		0						
43.20			schistosed lapilli tuff	yel gn gy	some intercalations of c- <i>vss</i> frag: elongated, essential	0+	0.5		2						

Appendix-4 Geologic Column of Drilling Cores (5)

MJPC - 3(2) S50°W, -60° 45.00 - 90.00m

Platform 2
Altitude 177.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Frocture		Assay		Lab. test	
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)		
46.23					ϕ = 7 x 30mm (max)										
47.55		15'	siltstone		silt (70%) with fss (30%) intercalations			2		2		0.01	0.03		
			c. sandstone		48.50-49.10m schistosed vcss							0.01	0.02		
49.80															
50		15'	schistosed lapilli tuff	yel gn gy	frag: elongated, essential ϕ = 3x1 ~ 4x0.5cm (max) some of fragments were underwent stg. epidolization										
		5-10'			58.70 - 60.00m amount of frag. decrease and frag. become unflattened	2									
59.50		25'													
60		10'	schistosed v.c. sandstone		frag. elongated but of 61.60 - 70.00m subangular	0+		3							
		15'					1.5	0.5							
		45'					0+		0						
68.50															
70		20'	schistosed lapilli tuff		frag: elongated ϕ = 4x0.7 cm (max)										
70.85															
			schistosed v.c. sandstone	gn gy	intercalated with silt, very weak metamorphism			3							
73.60															
		50'	f. sandstone	dk gy	intercalated with silt				1						
75.15															
			c. sandstone	yel gn gy	78.20 - 78.80m lap. lf				2						
80		20'			79.40 - 79.80m slit	0+									
					77.00m slit in css normal grading So = 10°				3+						
85.15		15'	slitstone	dk gy	86.02 - 86.10m q - ep vein (w = 8cm)	2.5		1.5							
86.70			schistosed v.c. sandstone	yel gn gy	intercalated with mss 88.00 - 88.10m oxinite qv		0+		3						
89.50				dk gy											
90															

Appendix-4 Geologic Column of Drilling Cores (6)

MJPC - 3(3) S50°W, -60° 90.00-100.25m

Platform 2
Altitude 177.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
90.95		25° 50'	c. - m. sandstone	dk gy	Intercalated with silt 93.90m qv 1cm 65° barren 95.70-95.75m milky bar qv 5cm, 55°	2	0+	3	0	1.5				
		15° 50'		yel gn gy										
		30° 50'+5'												
98.45		20° 51'	schistose lapilli tuff		frag: essential, elongated φ = 1x10mm (max)									
100.														
100.25														

Appendix-4 Geologic Column of Drilling Cores (7)
A - 24

MJPC - 4(1)

N50°E, -90° 0.00 - 45.00m

Platform 2

Altitude 177.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Frac-ture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
1.00			overburden		soil									
					light brown soil									
			soil	lt bw						0				
7.60										40	1.10	0.03		
			c. sandstone	bw gy	weathered ss weathering : up to 9.50m					15	0.36	0.07		
9.50			f. sandstone		stg. sil. - carb.	3	3.5		3		0.26	0.01		
10								0+			0.80	0.01		
11.10			schistosed lap(III)		top lf with m ss intercalations				1		0.03	0.02		
			tuff								0.11	0.01		
14.90		<20° S1	schistosed v.c. sandstone			3.5	1		0+	?	0.06	0.01		
16.40											0.16	0.02		
17.00		<30°	siltstone ~ f. sandstone	gn gy	silt ± fss 17.30m, silt normal grading					0.5	0.04	0.02		
19.60										3	0.04	0.02		
20					stg. sil and carb. siderite dot (22.50 - 28.40m) chloritization schistosity 30 - 55°	2.5			3	2.5	0.36	0.03		
			schistosed gabbro		19.60 - 22.30 hydrothermal breccia stg. sil. ϕ = 1 - 2cm 19.66 - 22.80m and 26.30 - 28.40m f - m grained 28.40m just contact, 15° 15.50 - 23.80m fractured zone		3		3	2.5	0.27	0.02	22.20m P, X	
		<55° S1					2		2		0.19	0.04		
		<35° S1				3.5	2.5				0.05	0.02		
		<30° S1									0.25	0.02		
		<35° S1									0.02	0.02		
		<45° S1				3	1				0.01	0.01	26.90m P, X	
28.40		<80° S1									0.02	0.02		
			siltstone		silt with css intercalations silt (80%), css(20%) 30.20m qv 2cm, 90°					3.5	0.01	0.01		
30		<25°				2.5	0.5				0.02	0.02		
32.20														
			c. sandstone		css with silt intercalations css (80%), silt (20%)						0.01	0.02		
34.10											spot	(3370 ml)		
			siltstone	yel gn gy	silt with css intercalations unit layer : 5 - 30cm			3	0+		0.24	0.00		
36.30		<35°												
			c. sandstone		css(90%) with silt intercalations(10%)									
38.00										1				
		<30°	siltstone			0.5	0.5				spot	(3835 ml)		
39.35														
40		<10° S1	v.c. sandstone	gn gy	schistosed			1.5			0.01	0.02		
40.20					41.25 - 41.60m mss 42.20 - 42.45m c ss									
		<15°	siltstone	yel gn gy	silt with m-c ss intercalations				0+	1.5				
43.80						2.5								

Appendix-4 Geologic Column of Drilling Cores (8)

MJPC - 4(2) N50°E, -90° 45.00-90.00m

Platform 2
Allitude 177.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
47.25	0 0 0	<20° S1	schistosed lapilli tuff	yel gn gy	frag : essential, elongated 45.0 - 48.35m minor qv (<1cm) cut schistosity. 45°- 60°			3						
48.55	diagonal lines	<15°	siltstone	dk gy				2.5						
50	0 0 0		c. sandstone		c ss > v.c. ss	0.5		3						
50.25	0 0 0	<40° S1	schistosed lapilli tuff	yel gn gy	frag : essential, elongated ϕ = 7 x 25mm (max)			2						
52.55	0 0 0	<10° S1	schistosed v.c. sandstone				0.5	3						
54.00	diagonal lines		schistosed v.c. sandstone					2.5	0+					
56.60	0 0 0		c. sandstone		54.60 - 56.60m qv (<1cm) with minor py. 10°-80°	3.5		1						
56.60	diagonal lines	<25° S1	schistosed v.c. sandstone	gn gy				1.5						
59.60	diagonal lines	<40° S1	schistosed v.c. sandstone			2		3						
60	0 0 0		lapilli tuff		schistosed	3.5	3	0.5						
60.70	Δ Δ Δ	<40° S1	schistosed tuff breccia		frag : essential (basaltic andesite) ϕ = 6 x 7cm (max)			2.5						
65.10	Δ Δ Δ	<35° S1	schistosed tuff breccia	yel		0+	0.5	1.5					spot (62.00m) 0.03 0.01	P, X
65.10	diagonal lines	<40° S1	schistosed v.c. sandstone	gn gy	css - vcss			2					0.01 0.02	
68.30	diagonal lines		schistosed v.c. sandstone			3.5	3.0	0.5	0.5				0.01 0.02	
68.30	0 0 0	<35°	c. sandstone		css > vcss > silt			1.5					0.02 0.02	
70	0 0 0		c. sandstone										0.01 0.02	
71.30	diagonal lines	<30°	siltstone	dk gy	73.75m qv cut schistosity 60°, w = 1.5cm	1.5		2						
74.00	diagonal lines		siltstone							1.5				
74.00	diagonal lines		c. sandstone		css with silt intercalations			3						
76.30	0 0 0	<25°	c. sandstone	yel				1.5						
76.30	0 0 0		c. sandstone	gn gy		2			0+					
78.70	diagonal lines	<20°	c. sandstone		css (70%) with silt intercalations (30%)		0.5	3						
80	diagonal lines		c. sandstone											
80.70	0 0 0		c. sandstone											
82.15	0 0 0	<25° S1	lapilli tuff		schistosed			3.5						
83.20	0 0 0		f. sandstone			1.5		2.5					spot (83.00m) 0.01 0.01	
84.55	diagonal lines		f. sandstone							2.5				
84.55	diagonal lines	<15°	siltstone	dk gy to dk gn	86.50m qv 1.5cm, 50° 88.00m qv 1.5cm, 65°			2						
89.25	diagonal lines	<10°	siltstone							1.5				
90	diagonal lines		siltstone											

Appendix-4 Geologic Column of Drilling Cores (9)

MJPC -4(3) N50°E, -90° 90.00-100.25m

Platform 2
Altitude 177.50m

Depth (m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
91.80			c. sandstone	yel gn gy	ss with vc ss and silt intercalations									
92.40					89.25m qv with py, cp, lcm, 55°									
93.00					89.50m qv 2cm, 15°	2.5	0.5	3.5	0.1					
93.50					91.00m qv barren, 3cm, 40°									
95.50					95.80m, 96.50m, qv 1cm 55°									
96.80			m. sandstone	gn gy	ss with silt intercalations	3.5	3		0.5			0.01	0.02	
97.50													0.01	0.02
100														0.01
100.25														

Appendix-4 Geologic Column of Drilling Cores (10)

MJPC - 5 (1) N50°E, -60° 0.00 - 45.00m

Platform 2
Altitude 177.50m

Depth(m)	geologic column	Bed./Sch.	Rock nome	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
1.00			overburden											
			soil	yel to ochre								0.80	0.02	
4.60			weathered c. sandstone	gn gy to bw	weathering : up to 6.00m							1.00	0.02	
7.40	•••		schistosed v.c. sandstone		7.65-7.80m milky qv 15cm 40°							0.39	0.02	
8.75	///	<25° S1										0.06	0.02	spot 6.5m X
10	•••	<40°	m.-f. sandstone		m-fss with css and silt intercalations 10.90m qv 2.5cm 10°-20°	35						0.70	0.02	
11.40	•••	<40°										0.83	0.00	
	///		schistosed v.c. sandstone	gn gy	subparallel qvt: with 30-60 inclination qv(1.5-2.5cm) at 10°-20° at 10.90m					1.5		0.55	0.02	
14.05	///	<20°										0.35	0.02	
	•••	<35°	schistose m. sandstone		15.80m qvt with py, 10°	25						0.09	0.02	
16.00	•••	<40°										0.37	0.02	
17.10	///	<30° S1	schistosed lapilli tuff			35						0.25	0.01	
	•••	<50°	f. sandstone with siltstone intercalations	gn gy to dk gy	at least 2 episodes of veining at 17.20m fss (70%), silt (30%) 22.35m qv, 2.5cm, 25°	3						0.28	0.01	spot 12.60m X
20	•••	<70°										0.14	0.02	X 12.80m X, F
21.50	///	<60°	schistosed v.c. sandstone		vcss > css	25						0.05	0.02	
22.70	///	<35°										0.48	0.02	
	•••	<50°	f. sandstone with siltstone intercalations	gn gy	fss (75%), silt (25%)	35						0.25	0.02	
	•••	<60°										0.08	0.02	
26.80	•••	<25°										0.02	0.02	spot 26.4m P, X
	+				highly silicified gabbro 26.80-38.20m coarse grained 38.20-41.45m fine grained							0.18	0.02	spot 27.85m P, X
30	+											1.40	0.02	spot 31.75m P, X F.
	+	<60° S1										2.68	0.04	spot 33.15m P, X F.
	+	<55° S1			34.20-38.50m many minute bw dots of limonite	3.5						1.93	0.03	spot 35.15m P, X W
	+				26.50-38.15m highly silicified with py							0.90	0.03	
	+	<60° S1										0.23	0.02	
	+	<55° S1										0.15	0.03	
	+	<60° S1										0.29	0.02	
	+	<40° S1										0.23	0.01	
40	+											0.03	0.02	
	+											0.08	0.02	
41.45	///		f. sandstone with siltstone intercalations	gn gy	silt (60%), fss(40%)	25						0.23	0.03	spot 40.45m P, X
	///	<65°										0.07	0.02	
	///	<35°										0.06	0.02	spot 44.95m P, X
	///											0.01	0.02	

Appendix-4 Geologic Column of Drilling Cores (11)

MJPC - 5(2) N50°E, -60° 45.00-90.00m

Platform 2
Altitude 177.50m

Depth (m)	geologic column	Bed/Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
45.28	///	<40°	schistosed v.c. sandstone	yel gn	with highly epidotized silt intercalations			3.5						
46.50		<60°	siltstone with fss intercalations	gn gy	silicified zone ore relatively rich in py	0 ⁺	1	2.5		0 ⁺				
50		<40°	siltstone with fss intercalations	to dk gy	silicified zones ore traces of fault due to high schistosed structure then cut qv (55°) subperpendicular to s1	3.5	3.5	0	3.5		0.44	0.01		
53.40		<55°	siltstone with fss intercalations	to dk gy	silicified zones ore traces of fault due to high schistosed structure then cut qv (55°) subperpendicular to s1	3.5	3.5	0	2.5		0.11	0.02		
53.40	o o o	<75°	sandstone with siltstone intercalations		53.40-55.30m css (90%), silt (10%)	1.5		2			71			
55.30	o o o	<65°	sandstone with siltstone intercalations		55.30-60.45m m-css (60%), silt (40%)	3		2.5						
60	o o o	<65°	sandstone with siltstone intercalations						0 ⁺	0 ⁺				
60.45	o o o	<75°	schistosed lapilli tuff	gn gy	at least 2 episodes of veining as shown by the crosscutting of veins	0.5		1				0.01	0.01	spot 60.0m
60.45	o o o	<80°	schistosed lapilli tuff		60.45-60.65m qv 20°							1.10	0.01	P, X W
65.45	o o o	<70°	sandstone with siltstone intercalations		60.45-60.65m qv 20°			3	3.5					
65.45	o o o	<75°	sandstone with siltstone intercalations		c-m ss (70%), silt (30%)	3			0 ⁺					
68.00	o o o	<75°	sandstone with siltstone intercalations		68.00-68.40m fault	3.5	3.5		3.5	0 ⁺		0.32	0.02	
69.90	o o o	<80°	sandstone with siltstone intercalations		68.00-68.40m fault				3			0.15	0.01	
70	o o o	<80°	sandstone with siltstone intercalations		68.00-68.40m fault				1	2.5	88	0.41	0.02	
72.90	///	<45°	schistosed v.c. sandstone		v.c. ss ~ css qv 30°~80°	1								
72.90	///	<65°	schistosed v.c. sandstone		v.c. ss ~ css qv 30°~80°						88			
77.90	o o o	<65°	schistosed lapilli tuff	yel gn	frg : elongated max : 10x20 ~ 4x30 ^{mm}	0 ⁺	0 ⁺	3				0.01	0.02	spot 74.20m
77.90	o o o	<70°	schistosed lapilli tuff		frg : elongated max : 10x20 ~ 4x30 ^{mm}									P, X W
80	o o o	<75°	c. sandstone		79.80 and 81.00 ^m ep-qv lcm 5°									
80	o o o	<65°	c. sandstone		79.80 and 81.00 ^m ep-qv lcm 5°					1.5				
81.00	///	<65°	schistosed v.c. sandstone			2.5		1.5						
83.50	///	<55°	schistosed v.c. sandstone	gn gy					0 ⁺			0.03	0.01	
83.50	///	<55°	schistosed v.c. sandstone	gn gy							2			
83.50	o o o	<55°	schistosed c. sandstone		2 episodes of quartz veining 84.90-85.70m fault	2		1.5		2		0.04	0.02	spot 83.60m
84.90	o o o	<55°	schistosed c. sandstone		2 episodes of quartz veining 84.90-85.70m fault	3.5	0	2.5	3.5			0.15	0.01	
89.20	o o o	<40°	v.c. sandstone			3.5								
89.20	o o o	<30°	v.c. sandstone			1.5	1.5		0 ⁺					
90	///	<30°	v.c. sandstone											

Appendix-4 Geologic Column of Drilling Cores (12)

MJPC - 5(3) N50°E, 60° 90.00-132.70m

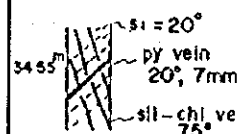
Platform 2
Altitude 177.50m

Depth (m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test											
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)												
93.25	/ / /	<35°	schistose	gn gy																					
		<40°	v.c. sandstone			25	1	1		1	95														
93.60 100	0 0 0	<40° S1	schistose lapilli tuff	yel gn	95.70-97.80m tuff breccia frg: essential φ = 4 x 3.5cm (max) 2 episodes of veining	0 ⁺		3.5		1	89	0.01	0.02	← spot 93.50m											
		<35° S1																							
		<45° S1																							
		<40° S1																							
105.50	o o o	<25°	c. sandstone	gn gy	c ss with intercalation of v.c.s and silt 102.75m ep-qv 1-2cm	0 ⁺		2		0.5	80	0.05	0.01	← spot 105.00m											
		<50°																							
		<30°																							
		<45°																							
110	o o o	<20°	m.-f. sandstone with intercalations of siltstone	gn gy	m-fss (85%), silt (15%) 106.60-114.80m fault highly fractured leading poor core recovery 109.10 and 111.00m qv 1-2cm 20°	3	1	25	0 ⁺	15	80	0.05	0.01	← spot 105.00m											
		<25°																							
		<20°																							
113.50	o o o	<70° S1	schistose lapilli tuff	yel gn gn gy	115.35m qv 5cm	1		3.5		15	60														
		<60° S1																							
120	diagonal hatching	<25°	siltstone with sandstone intercalations	gn gy	siltstone shows two colors bk part (60%) yel gn tuffaceous part (40%)	2				73		0.02	0.02	← spot 119.10m P, X											
		<40°																							
		<25°																							
		<35°																							
127.70	o o o	<45°	c. sandstone with siltstone intercalations		129.30m qv 2-3cm, 15°	25		35				0.01	0.02	← spot 131.35m											
		<45°																							
132.70	o o o																								

Appendix-4 Geologic Column of Drilling Cores (13)

MJPC - 6(1) N0°, - 60° 0.00 - 45.00m

Platform 2
Altitude 177.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization					Fracture	Assay		Lab. test	
						V	S	Ep	Py	Fr		CR (%)	Au (g/t)		Cu (%)
0.80			overburden	bw											
			soil	yel ochre	soil - highly weathered rock with some black stains of Mn-Fe minerals								0.10	0.03	
				gy bw										0.39	0.03
														1.00	0.30
														1.41	0.03
8.00	o o o			c. sandstone		yel wl	py ϕ = 0.5 - 3mm impregnation \rightarrow stringer	3	4		1.5	3			0.19
9.30	o o o		v.c. sandstone	gy gn	schistosed	2			1				0.60	0.02	
10.20	o o o	<30°	c. sandstone	pale bw gy	8.00 ~ 23.80m cream wl ~ pale bw gy > pale gn gy in color strongly silicified zone composed of carb. \rightarrow ser. \rightarrow chl. py: ϕ = 5mm (max) impregnation stringer qv and qvt parallel ~ subparallel to bedding (= schistosity) > cutting the bedding 14.00 ~ 23.80m fault?	3.5	3		3				0.10	0.02	
	o o o	<40°		pale gn gy		2	3.5		1.5					0.49	0.02
	o o o	<40°				15	3		2.5					0.16	0.02
	o o o	<40°				2			3	1				0.18	0.01
	o o o	<40°				15	3		3					0.22	0.02
	o o o	<40°				2			2					1.15	0.01
	o o o	<40°				25			4					0.67	0.02
	o o o	<40°				25			3.5		3.5			0.90	0.01
	o o o	<55°				3	15				2.5			0.80	0.02
	o o o	<55°												0.15	0.04
26.60	o o o	<55°	siltstone		silt with intercolations of fss		1	15	0.5	2			0.07	0.02	
28.80	+	<30° Si	schistosed gabbro?	gn gy	gabbro? like gn schist 28.90 ~ 29.90m hydrothermal breccia vein, w = 1-3cm	2					70		0.08	0.02	
30	+	<20° Si	schistosed gabbro		cream wl ~ pale bw gy ~ gn gy schistosity 20° ~ 30° strongly silicified and carbonated with many bw dots (lima) qv ~ qvt 0.5 ~ 5cm, 25° ~ 75° 	3			2				0.13	0.02	
	+	<20° Si				3	4		0.1					0.05	0.03
	+	<20° Si				3	3.5		2.5					0.25	0.01
	+	<30° Si				4			3					0.22	0.02
	+	<30° Si				2.5			4		3			0.24	0.01
	+	<30° Si				2.5	3.5							0.21	0.02
	+	<30° Si				1.5					2.5			0.36	0.01
40	+	<30° Si									1			0.21	0.02
41.10	+	<70°	siltstone		42.50 ~ 43.50m vcss								0.33	0.01	
42.50	+	<60° Si			41.10 ~ 47.60m silt (60%) > fss (40%)	2	2		0.5				0.14	0.03	
43.50	+	<60° Si					3			2			0.06	0.02	

Appendix-4 Geologic Column of Drilling Cores (14)

MJPC - 6(2)		NO ^o - 60 ^o 45.00 - 90.00m		Platform 2		Altitude 177.50m								
Depth (m)	geologic column	Bed/Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
47.60 - 53.20	[diagonal lines]	<55°	siltstone with intercalations of fss		47.60 - 53.20m silt (50%), fss (50%)					1				
42.90 - 43.00					wt qv 10cm									
50		<55°			qv~qt cutting the bedding \geq parallel to the bedding	1.5	1.5			1	77			
53.20	[circles]	<70°	m. sandstone		mss with intercalations of silt mss (70%) silt (30%)		1		0.5					
	[diagonal lines]		schistosed v.c. sandstone		56.90 - 58.20m fault	2		0 ⁺		2				
59.10	[circles]	<70°	m. sandstone	qn qy	mss (70%), silt (30%)									
60	[circles]		schistosed lopilli tuff		frg : elongated, essential, $\phi = 1 \times 10$ cm (max)	3	3					0.11	0.02	
	[circles]	<90° Si			59.40 - 59.45m semi transp. qv 10 ^o -40 ^o		1.5			1				
	[circles]		m. sandstone		62.10 - 62.14m qv		2.5							
	[circles]				63.25 - 63.35m milky qv 10 ^o -30 ^o			0 ⁺						
65.00	[diagonal lines]	<50°	siltstone		qv (1cm), qv 20 ^o cutting the bedding	2								
66.00	[diagonal lines]	<60°			intercalated with fss		1.5							
	[diagonal lines]		schistosed c. ~ v.c. sandstone		qv cut the schistosity			0.5		2		0.11	0.02	
	[diagonal lines]				st=50 ^o 68.50m ~ qv with py 30 ^o -40 ^o		3		0 ⁺			0.07	0.02	
70	[diagonal lines]					1	1			2				
71.30	[circles]		c-m. sandstone		sporadic appearance of qvt and qv (10 ^o -30 ^o) cut the schistosity = bedding					2				
	[circles]	<50°		yel qn qy	76.85 - 76.91m milky py-qv, 30 ^o		0 ⁺	0 ⁺	2.5					
76.00	[circles]	<50° Si	schistosed lopilli tuff		lap. ff essential frg : elongated, 3-30 ^{mm} (max)									
80	[circles]													
80.40	[diagonal lines]		schistosed v.c. sandstone			1.5								
82.50	[diagonal lines]	<55° Si	lopilli tuff		schistosed		2	1		1		0.06	0.02	
83.40	[diagonal lines]	<50° Si	v.c. c. sandstone	qy	strongly silicified rock many qv and qvt (30 ^o -50 ^o) cut the schistosity	3	3.5	0	3.5			0.08	0.02	
	[diagonal lines]						4					0.12	0.01	
85.90	[diagonal lines]						3	1.5	2			0.05	0.02	
87.50	[diagonal lines]		v.c. sandstone	qn qy	schistosed.			0 ⁺	2.5					
89.00	[diagonal lines]					1								
90	[circles]	<50°	c. sandstone		89.50m milky qv 2cm 30 ^o									

Appendix-4 Geologic Column of Drilling Cores (15)

MJPC - 6(3) N0₁° - 60° 90.00 - 100.25m

Platform 2
Altitude 177.50m

Depth (m)	geologic column	Bed/Sch.	Rock name	color	Description	Alteration and Mineralization					Fracture		Assay		Lab. test	
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)			
92.40	○ ○ ○		c. sandstone with silt intercolations	gn gy	92.40 - 93.50m shale - silt - fss											
93.50	▨	40°			sporadic appearance of qv (1 - 2cm, 20° - 30°)		1									
96.00	○ ○ ○		schistose v.c. sandstone	gn gy	97.20 - 97.80m shale - silt								0.01	0.01		
	▨	50°														
	▨	35°			95.80 - 95.90m milky qv 2 - 3cm, 20°		0 ⁺									
100 - 100.25	▨															

MJPC - 7(1) S50°W, -60° 0.00 - 45.00m

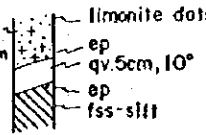
Platform 3
Altitude 192.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
1.80			overburden											
				rd bw	soil after highly weathering									
3.75				yel bw	sporadic remaining of yellowish argillite	2.5				35		0.03	0.02	
				yel ochre	at 1.20-3.75, 4.50-5.00 18.00-18.60, 19.00-19.80m	2								
8.50			highly weathered rock		altered and weathered product of gabbro (?)					35				
10			soil		bk(Mn?) staining at 2.20-2.65m and 3.00-3.50m	0 ⁺		0				0.50	0.02	
				bw gy	weathering (soil) up to 20.40m	2.5								
				dk bw gy		0 ⁺		0 ⁺						
18.00				yel		2.5				3.5		0.17	0.02	
20-20.40				ochre	gabbro?	0 ⁺						0.02	0.01	
21.90		<40° S1	m. sandstone									0.02	0.01	
24.00		<40° S1	schistose lapilli tuff		with intercolations of silt at 21.00m and 23.10-23.40m									
		<40° S1	vc. sandstone	yel gn	qvt ore oxidized	2			3					
28.60										25				
30			siltstone with fss intercolations	gn gy	32.45-32.55m qvt 75, with bk stains (Mn?) 28.60-48.60m fault?					42				
		<35°				15				67				
33.00		<20°	m. sandstone			3.5	4		0 ⁺	66		0.02	0.02	
34.95										45		0.00	0.01	
		<30°	siltstone	gn gy	39.70-40.80m spotted dark green minerals	1		15		32		0.00	0.02	
40				to						68				
		<30°		dk gy						50				
42.55					fine grained at 42.55-46.00m and 50.70-52.70m	3.5				33		0.06	0.02	
		<25° S1								61		0.03	0.01	
										29		0.00	0.01	
										34		0.00	0.01	
										32		0.00	0.01	

Appendix-4 Geologic Column of Drilling Cores (17)

MJPC - 7(2) S50°W, -60° 45.00 - 57.80m

Platform 3
Altitude 192.50m

Depth (m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization					Frac-ture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)		
50	+ + + + + + + + +	25° S1	schistosed gabbro	gn gy	rich in limonite dots parallel to schistosity epidolization is marked qvt 50°-60° frg of gb 52.70m 	35	1	25			83 50	0.01	0.01	48.75m P, X W	
															0.01
52.70		10-15° S1	siltstone with intercolations of f. sandstone	dk gy	56.80m : qv 1-2cm, 80°							0.00	0.01	52.40m P, X	
												0.01	0.02		
56.00		15° S1	c-m. sandstone	yel gn	with silt intercolations	3	0+	3	0+			0.00	0.02		
57.80						1	1	2				0.00	0.01		

Appendix-4 Geologic Column of Drilling Cores (18)

MJPC - 8(1)

N90°E, -60° 0.00 - 4500m

Platform 3
Altitude 192.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test	
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)		
1.00			overburden												
			soil	rd bw	highly weathered 0.00 - 12.00m soil							0.07	0.02		
				rd bw									0.06	0.02	
				rd bw	yel ochre								0.12	0.03	
				rd bw	rd bw										
10				rd bw	bw gy										
				gn gy bw											
12.00	o o o	<20°	m. sandstone	gn bw	m ss or weathered gabbro										
	o o o														
15.00	+ + +		highly weathered rock (gabbro)	bw gy	soft, weathered gabbro 15.00 - 18.00m soil-like							0.21	0.02		
	+ + +														
	+ + +					19.50 - 20.00m spotted orgillization									
	+ + +														
20 20.50	+ + +			lt bw											
	~ ~ ~		c.-v.c. sandstone		soft and weathered rock up to 23.70m										
	~ ~ ~					grain size : c.- v.c.	15	35							
	~ ~ ~					32.70 - 32.80m									
	~ ~ ~					milky qvt bar. 20°			o+						
	~ ~ ~					36.25m milky qv, 3cm, 15°									
	~ ~ ~					20.50 - 36.05m fault?									
	~ ~ ~														
	~ ~ ~														
	~ ~ ~														
	~ ~ ~														
30	o o o	<70°		gn gy											
	o o o														
	o o o														
	o o o														
	o o o														
	o o o														
	o o o														
	o o o														
	o o o														
	o o o														
36.60	o o o	<60°													
	o o o	<70° S1	schistosed lapilli tuff		frg : elongated > subangular φ = (1x5mm), (1x1.5cm)										
	o o o					qv (1-2cm) w/ schistosity inclination 10°-30° > 40°-60°									
	o o o														
	o o o	<30° S1													
43.40	o o o		m.-c. sandstone	yel gn											

Appendix-4 Geologic Column of Drilling Cores (19)

MJPC - 8(2)

N90°E, -60° 45.00 - 90.00m

Platform 3

Altitude 192.50m

Depth (m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
45.40		65°	f. > m. sandstone			2	0 ⁺	2.5						
47.50		65°	lapilli tuff			3	1.5							
50			v.c. sandstone					1.5						
51.00				yel		1	0 ⁺							
52.30		70°	f. sandstone	gn										
		60°	~ siltstone			2.5		3						
			> m. sandstone											
55.00		50°	schistosed lapilli tuff		frg: elongated, essential ϕ = 5 x 20mm (max.) 57.50 - 61.40m fault						90			
59.00		51°									53			
60			siltstone		silt - bk shale						60			
		40°		gn	2 episodes of veining						67			
		45°		v	20° - 40°, 50° - 70°						33			
		40°		yel	60.05m milky qv, 40°				0.5	0 ⁺				
		40°		gn										
66.00		30°	m. sandstone		qvt cutting bedding > parallel to bedding 80° >> 50°	1								
						3		2.5						
						1	1							
69.00		35°	f. sandstone with silt and m. sandstone	gn gy	(ss(50%), silt(30%), mss(20%))	3								
						2.5		0.5						
73.20		40°	m. sandstone	yel gn	mss(80%), silt(20%)									
74.70		90°	siltstone with m ss Intercolations	gn gy	2 systems of veining bar. qvt bar. qvt 45° - 60° 	5								
		90°									2.5			
		90°				2						0.00	0.00	
81.25					81.25 - 82.75m, 102.80 - 106.25m fine grained (chilled margin)							0.07	0.00	
				gn gy	82.75 - 86.90m strongly silt. and py diss.	3	3.5					0.30	0.01	spot 82.25m
												1.15	0.01	
			schistosed gabbro	l		2	3	3.5				0.88	0.03	
				dk gn	at least 2 veining episodes		2		2			0.22	0.03	
						3	1			0 ⁺				
90		15°												
		51°												

Appendix-4 Geologic Column of Drilling Cores (20)

MJPC - 8(3)

N90°E, -60° 9000-110.50m

Platform 3

Altitude 192.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Frocture		Assoy		Lab. test	
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)		
100	+	+	schistosed gabbro	dx gn	91.00 - 92.00m breccia - qv 2 - 4cm, 70°	3		1							
	+	+													
	+	+													
	+	+													
	+	+													
	+	+													
	+	+													
	+	+													
	+	+													
	+	+													
106.25		35°	siltstone	gn gy	106.25-107.25m, 108.70-110.50m										
107.25		25°	schistosed v.c. sandstone		silt (60%), fss (40%)										
108.70		30°	siltstone		qv1 milky bar. 30°										

Appendix-4 Geologic Column of Drilling Cores (21)

MJPC - 9(1)

N50°E, -60° 0.00 - 45.00m

Platform 3

Altitude 192.50m

Depth (m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Frac-ture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
1.00			overburden											
				rd bw	soil offer highly weathering original rock: gabbro (?)							0.10	0.02	
												0.13	0.02	
10			soil									1.90	0.02	
				bw gy							1.5	0.47	0.03	
												0.25	0.04	
												1.31	0.04	
20	+		weathered rock	yel ochre	highly weathered gabbro (?)							0.70	0.03	spot 21.10m X ₁
23.00	+											0.27	0.02	
	/		schistosed v.c. sandstone		25.00 - 31.10m : fault	1	2				18	0.39	0.02	
	~											0.25	0.02	
27.00				gn gy							44	0.03	0.02	
	o		schistosed lapilli tuff		frg : elongated, essential φ = 5 x 20mm		0.5			3	65	0.02	0.02	
30	o				34.10m milky qv with ht 2cm, 20°						28	0.01	0.02	
	o											0.02	0.02	
	o											0.01	0.02	
35.70	o			yel gn gy								0.02	0.03	spot 34.45m
	o		siltstone with f. sandstone		silt (50%), fss(50%) qvt 5-7mm 50°-60°	2		2.5	0 ⁺					
37.50	o													
	o		c. sandstone		css > fss - silt > lap. ff	0.5					2			
40	o							1.5			80			
	o													
	o		schistosed lapilli tuff	gn gy	frg : elongated, essential φ = 5 x 30mm (max)						2		39	
44.10	o					2								
	o		siltstone								2			

Appendix-4 Geologic Column of Drilling Cores (22)

MJPC - 9(2)

N50°E, -60° 45.00 - 90.00m

Platform 3
Altitude 192.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
50		<70°	siltstone with intercalations of fss		silt(50%), fss(50%) underwent almost non-metamorphism qvt cut the bedding 48.50 - 56.50m : fault		0+					0.17	0.01	spot 48.30m
50.50		<70°	schistosed top III tuff	gn gy		2	05			0+	30			
53.60														
56.50			schistosed v.c. sandstone		56.00 - 57.00m fault with py dlss. 59.90 - 60.00m, 60.80 - 60.90m, 61.55 - 61.30m milky qv 59.80 - 63.90m very strongly silicified		2.5	1.5	15	60		0.26	0.02	
60		<70°				3.5	3.5					0.18	0.01	
61.00		<70°				2						0.06	0.01	spot 58.65m
						3	3.5		2			0.06	0.00	P, X
												0.16	0.01	60.50m
												0.19	0.01	F
												0.17	0.02	61.50m
												0.08	0.01	X, F
												0.04	0.01	P
						0.5	1.5					0.32	0.02	63.30m
		<40°				2.6	3.5	2				0.02	0.02	X
		<40°	schistosed gabbro	gn gy	75.00 - 77.20m highly schistosed 58.80 - 63.90m, 76.50 - 78.00m brecciated structure	0+	0.5	3.5	0+			0.06	0.03	67.50m
		<40°										0.14	0.03	P, X
		<90°				3	3					0.31	0.02	W
70		<90°			wide distribution of limo dots							0.21	0.03	69.30m
		<40°			limo partially aligned parallel to schistosity				2			0.19	0.03	P, X
		<75°				3.5	3.5					0.33	0.01	K-Ar
		<60°										0.25	0.01	
		<65°							1.5			0.18	0.02	
		<65°							1.5			0.05	0.03	
77.20					77.20 - 78.20m : fault	3	3		3.5			0.20	0.02	
									1.5	2.5		0.22	0.01	
79.10		<80°										0.80	0.01	
80		<80°	f. sandstone with silt intercalations	dk gy to	fss(60%), silt-bk shale(40%) 85.65 - 85.90m silicified v - qv	1.5	1		0+	2.5		0.06	0.02	
		<80°			87.00 - 87.50m vc ss			1.5						
		<70°			88.00 - 88.10m qvt, 20°									
85.50		<75°			88.55m milky qv, 2cm, 20°	3.5	3.5		0+			0.02	0.01	85.70m
86.00									2					F
89.80						1.5	0+		0+					
90			m. sandstone	yel gn	qv - qvt cut the bedding				3.5					

Appendix-4 Geologic Column of Drilling Cores (23)

MJPC -9(3)		N50°E, -60° 90.00 -100.15m		Platform 3		Altitude 192.50m										
Depth(m)	geologic column	Bed./Sch.	Rock nome	color	Description	Alteration and Mineralization					Fracture		Assay		Lab. test	
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)			
92.80	○ ○ ○		m. sandstone	yel gn	89.00m milky bar, qv, 3cm, 30°											
					89.50m " " 1cm, 30°											
					90.00m " " 2cm, 30°											
92.10m qv with ep, 4cm, 40°	05	35														
94.65	○ ○ ○	90°	f. sandstone	dk gy	fss(60%), silt - bksh(40%)											
		85°			93.35m milky qv, 2cm, 25°											
		75°	schistosed v.c. sandstone	gy to gn gy	94.35 - 97.75m bar. qvt, 10° - 20°	1.5		1.5	0 ⁺							
97.40	▨	75°	siltstone with sandstone	yel gn	97.40 - 98.45m silt - fss							0.03	0.02	spot		
98.45	○ ○ ○				98.45 - 99.50m m - css											
99.50	▨				99.50 - 100.15m shale like	0 ⁺		2				0.01	0.02	spot		
100.15																

Appendix-4 Geologic Column of Drilling Cores (24)
A - 41

MJPC - 10(1) S50°W, -60° 0.00 - 45.00m

Platform 4
Attitude 192.50m

Depth (m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test		
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)			
1.00			overburden													
			soil	rd bw	highly weathered reddish brown soil							0.45	0.03			
	+ + +	<60° Si		gn bw		3.00-3.50m schistosed rock after gabbro (?)	0+	1	1.5				0.20	0.03		
				bw gy		slightly silicified weathering (soil) up to 8.65m							0.60	0.05		
				dk bw						3						
8.65	+ +		schistosed weathered gabbro	gn gy	containing limonite and magnetite	2.5	1.5	1		50						
10	+ + +	<10° Si				8.65-18.00m small spots of argillite	3.5	3.5	0+		100		0.15	0.05		
	+ + +	<15° Si			14.80-18.00m bw weathered gabbro		1.5	1.5		73						
	+ + +			bw	highly weathered	2.5		0+		80		0.04	0.03			
18.00	+ + +	<15° Si	highly schistosed gabbro	yel ochre to bw	highly schistosed and sedimentary origin-like appearance		3.5	3.5		51		0.03	0.02			
20	+ + +	<25° Si				18.00-20.00m m ss like			0+	1			0.05	0.03		
21.60	+ + +	<30° Si		gy to bw wt		2000-21.60m v c ss like			3	3			0.05	0.02		
22.70	+ + +	<30° Si				21.60-22.70m c ss like			0+				0.43	0.02		
	+ + +					22.70-29.00m sericite schist like			3.5				1.60	0.01		
	+ + +	<25° Si				29.00-30.00m v c ss like		3.5	0+		1.5	23		0.19	0.02	
29.00	+ + +			30.00-33.35m c ss like			0+									
30	+ + +		yel ochre		22.70-29.00m with dotted dk gn minerals				2.5	30		0.30	0.02			
33.35	+ + +	<30° Si		gn gy		20.50-20.70m qv		0+	1.5							
35.60	+ + +	<30° Si	m. sandstone with silt intercalations	bw gy	host rock is generally affected by qvt, some are subparallel to schistosity. at least 2 episodes of veining is present. older one is qvt and younger one is q-chl vt.	3.5				78						
36.10	•••	<25°		gn gy		35.60-36.10m silicified zone		1		0+			0.04	0.02		
40	•••					38.35-38.90m with lots of py		3.5		3.5			2.60	0.01		
40.20	•••					42.50-42.70m		2		0+						
42.50	•••	<30°				44.65-46.60m qvt 1cm, 60°, barren			1		2					
45.70	•••								0+							

Appendix-4 Geologic Column of Drilling Cores (25)

MJPC -10(2) S50°W, -60° 45.00-90.00m





Platform 4
Altitude 192.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
47.40		<30°	m. sandstone with silt intercalations		q-chl vt cut q-corb, vt at 42.80m		1							
48.65		<30°				35		1						
50		<30°	schistosed v.c. sandstone	gn gy	with lapilli tuff many qvt (60°-90°)									
51.80		<5°	siltstone with f ss intercalations		52.50 - 53.00, 54.60 - 54.90m qv 1 - 2.5cm, barren			ot		?				
54.30		<15°	m. sandstone											
55.40		<10°	schistosed lapilli tuff	yel gn	highly epidotized	1		3		1				
57.00		<20°/51°	m. sandstone with minor siltstone		m ss (90%), silt (10%) silt w=1-2cm			ot		1				
59.25		<20°				2								
60		<5°/51°	schistosed v.c. sandstone	gn gy	vc ss - lapilli tuff with silt thin layers 66.35 - 66.50m hydrothermal breccia vein 64.75 - 66.50m fault 2 episodes of veining 20° vein systems cut by 80° vein systems			ot						
66.35		<5°/51°				25		25	ot	15				
66.50		<5°	siltstone	yel gn	epidotized on silt layers generally fractured and fracture surfaces are marked by oxidized bw staining	1		3		1		0.10	0.04	
70		<5°										0.02	0.02	
71.00		<5°								2				
73.70		<10°/51°	schistosed v.c. sandstone		fractured with bw staining on surfaces	2				2		0.03	0.01	
77.00					fine grained at 73.70 - 78.50m and 86.00 - 88.25m (chilled margin) small dots of limonite > magnetite are observed							0.01	0.00	
80		<10°/51°	schistosed gabbro	gn gy	silicified zones are generally affected by wt qv containing carbonate silicified zone with py at 81.00 - 85.50m	3	1			1		0.02	0.02	
81.00		<50°/51°			fractured with bw staining on surfaces py rich parts lack limonite and magnetite		3.5		3.5					
82.00		<50°/51°					1.5		3	2		0.18	0.02	
83.00		<50°/51°					3.5		3.5	1		0.08	0.02	
84.00		<35°/51°				35				3				
85.00		<35°/51°					1.5		1	1		0.02	0.02	
88.25		<30°	siltstone		silt >> vc ss	3	1			2		0.02	0.02	
90		<30°							ot	1				

Appendix-4 Geologic Column of Drilling Cores (26)
A - 43

MJPC -10(3) S55°W, -60° 90.00 -100.90m

Platform 4
Altitude 192.50m

Depth (m)	geologic column	Bed/Sch.	Rock name	color	Description	Alteration and Mineralization					Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)		
93.25		<20° 51'	v.c. sandstone	gn gy	fault at 91.25 - 94.25 m 91.25m silt bedding 30°	35				0+ 2 3	1 25 82	0.02 0.06	0.02		
94.35 95.20		<30°	m. sandstone	yel gn	with silt intercalations visible epdolization qv - qvt (40° - 70°) cut bedding		0+								
		<5°		l	98.80m qv wh bar 2cm 75°	25			0+	1	87				
100 - 100.90		<10°		gn gy	100.85m qv wh bar 3cm 50°						80				

Appendix-4 Geologic Column of Drilling Cores (27)

MJPC - 11(1) N50°E, -60° 0.00 - 45.00m

Platform 4
Altitude 192.50m

Depth (m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test		
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)			
2.80			soil	rd bw	reddish brown soil							0.85	0.03			
	+ + +		schistosed gabbro	gn gy	weathering up to 25.80m											
10	+ + +	<30° Sl				2.80 - 14.00m nearly soil			ot	2	3.5		81	0.75	0.02	
	+ + +				14.00 - 25.80m soft weathered gabbro schistosed											
	+ + +				fine grained gabbro									0.24	0.03	
	+ + +				2.80 - 23.50m and 51.65 - 58.55m											
	+ + +				rich in limo and mt, but the places abundant in limo are poor(lack) in mt.								65	0.12	0.02	
	+ + +				both minerals are dotted (disseminated) or aligned parallel to schistosity.								100			
	+ + +												50			
	+ + +												100			
	+ + +															
	+ + +															
20	+ + +	<25° Sl		spoxodic vt of hematite			ot	1				68	0.05	0.04		
	+ + +		schistosed gabbro													
	+ + +		generally affected by randomly oriented qvt.													
	+ + +		at least 2 episodes of veining													
	+ + +															
	+ + +	<15° Sl		gn gy	{(1) wt qvt with minor ep then cut by											
	+ + +	<25° Sl			{(2) cream colored dolomite vt.											
	+ + +															
	+ + +	<40° Sl														
	+ + +															
30	+ + +	<50° Sl		faults at 30.85 - 35.25m												
	+ + +			36.55 - 38.25m and 46.35 - 46.95m												
	+ + +			where rock chips has slickenside and marked by bw staining (oxidation)												
	+ + +															
	+ + +	<45° Sl														
	+ + +															
	+ + +															
	+ + +															
	+ + +															
	+ + +															
40	+ + +	<50° Sl		27.00 - 27.30m sili. zone with py, 40°												
	+ + +															
	+ + +															
	+ + +															
	+ + +															
	+ + +															
	+ + +															
	+ + +															
	+ + +															
	+ + +	<50° Sl														
40	+ + +															
	+ + +															
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Appendix-4 Geologic Column of Drilling Cores (28)

MJPC - 11(2) N50°E, -60° 45.00 - 90.00m

Platform 4
Altitude 192.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Frocture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
	+++									2	60			
	+++									(3.3)	100			
	+++	<38° S1				3	2							
	+++							0+	0+		87			
50	+++	<55° S1	schistosed gabbro				3					0.09	0.02	
	+++				5190 - 54.75m silt zone with py	3.5	2				100			
	+++	<30° S1							1.5		33	0.35	0.02	
	+++				55.05 - 55.12m and 55.50 - 55.60m									
	+++				wt barren milky qv, 60°							0.35	0.01	
	+++					3		05						
	+++	<45° S1					2					0.09	0.02	
58.55	+++	<25° S1												
	///	<25° S1	schistosed		frg : elongated, ø = 5x10mm (max)					2				
60	///		v.c. sandstone				1.5					0.16	0.02	
	///	<30° S1												
63.50	///	<30°												
		<45°	siltstone	gn gy	intercalated silt and bk shale		1					0.18	0.02	
		<45°												
68.30								15		2	77			
	o o o				73.50 - 74.50m v.c.s.s		0+			(3)	100			
70	o o o	<60°	c. sandstone		69.40 - 70.00 m				0+	2	70	0.19	0.02	
	o o o	<60°			fault zone, chl schist-like appearance									
73.50	o o o					3.5								
74.50	o o o	<60°									25	0.21	0.01	
	o o o	<50°					0+							
76.50	+++	<30° S1	schistosed gabbro		fine grained schistosed gabbro				1			0.16	0.02	
	+++				many randomly oriented qvt.							0.06	0.01	
	+++	<25° S1			Ilmonite dots aligned parallel		1.5	2		2				
80	+++	<25° S1			to schistosity							0.34	0.02	
	+++	<25° S1			78.45 - 78.60m wt barren qv, 60°									
82.10	+++	<65° S1			82.10 - 82.60m silt-fss				1					
82.60	+++		f. sandstone											
83.60		<50°												
		<45°	siltstone		silt and bk sh intercalations				2					
							0+					0.18	0.01	
87.20		<35°								1				
	o o o		c. sandstone	dk gn gy										
88.40	o o o							2.5						
90	o o o					2								

Appendix-4 Geologic Column of Drilling Cores (29)

MJPC - 11(3) N50°E, -60° 90.00 -100.30m

Platform 4
Altitude 192.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Frac-ture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
	• • •	<30°	m. sandstone with siltstone intercalations	gn gy yel gn	normal grading at 93.00m bedding 100	3.5								
	• • •	<10°			1 - 2cm qv at 99.05m (30°), 98.20m (10°), 99.65m (10°) and 100.20m (40°)	1						0.01	0.01	
	• • •	<35°			3	0 ⁺								
	• • •	<40°			2									
100-100.30	• • •													

Appendix-4 Geologic Column of Drilling Cores (30)

MJPC - 12(1) N50°E, -60° 0.00 - 45.00m

Platform 5
Altitude 172.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
0.60			overburden	bw	soil									
			soil	yel ochre	highly weathered rock					3				
				dk br	0.60 - 2.70m frg of mss (?) soil up to 6.85m	2				3.5				
4.60	o o o		c. sandstone	yel gy	some argillized spot → galbro (?)									
5.75								2						
	o o o	< 60°	c. sandstone	gn gy	weathering up to 7.50m 8.25 - 8.40m wt yel carb. - sil. rock with minor che. 5° 2 sets of veining: 20-30° and 70-80°					2.5	85	0.04	0.02	
9.60	o o o	< 65°				1						0.11	0.01	
10.40	o o o	< 50°	v.c. sandstone							2.5		0.08	0.01	
12.33	o o o	< 50°					0+							
	o o o	< 55°	c. sandstone with minor siltstone	yel gn	ep vl. are usually subparallel to schistosity	2				3.5				
15.75	o o o	< 50°	schistosed v.c. sandstone		15.10 - 17.75m fault, rock is marked bw staining or surface					70				
18.15	o o o	< 50°								3				
20	o o o	< 50°				3.5	0+	2				0.02	0.01	
	o o o	< 50°				3.5						0.01	0.01	
	o o o	< 50°	bk shale and siltstone	gn gy	bk sh and silt with minor ss bk sh (70%), silt (25%), ss (5%)	1	0+	3.5		2.5		0.00	0.01	
	o o o	< 60°			18.25 - 19.75m silt. zone									
	o o o	< 65°			28.50m 1.5cm q-hl vein with minor ep	2		3						
	o o o	< 60°				1.5				2.5				
	o o o	< 60°			28.20 - 29.30m small fault									
	o o o	< 60°			31.40 - 34.90m fault	3		1.5	0.5	1		88		
30	o o o	< 60°								100				
	o o o	< 50°								70				
	o o o	< 55°				2.5	0+			100				
33.70	o o o	< 60°	c. sandstone	yel gn gy	5cm thick qv(10°) at 35.50m with 0.5 - 0.8cm subparallel qv					80				
	o o o	< 45°								100		0.02	0.02	
39.00	o o o	< 30°								83		0.02	0.00	
40	o o o	< 30°								23		0.02	0.01	
	o o o	< 30°								2				
	o o o	< 15°	schistosed gabbro		39.00 - 42.70m and 51.00 - 52.65m fine grained gabbro	3		3.5	2	2				
	o o o				52.20 - 52.65m porphyritic					2				
	o o o				limo : 39.00 - 52.65m					0.5		0.02	0.01	
	o o o				ml : 43.00 - 45.00m					3				
	o o o				silt. zone : 39.75, 41.80, 44.65m									

Appendix-4 Geologic Column of Drilling Cores (31)

MJPC - 12(2)

N50°E, -60° 45.00-90.00m

Platform 5
Altitude 172.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Frocture		Assoy		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
50	+++	<30° S1	schistosed gabbro		where ep is conspicuous, limo and mt disappeared epidolization and ep vein ore observed up to 46.2m many qv, qvt and some ep vein					1				
	+++	<35° S1												
	+++	<50° S1				1.5	1.5	3.5	0.3					
	+++	<50° S1								1				
	+++	<50° S1									2			
52.65		<30°	siltstone with sandstone intercalations		silt (bk sh) (60%), mss (40%) microfolding at 56.70m 57.05m qv 3cm							0.00	0.02	
	<40°	3				1	2	0+			0.01	0.02		
57.90		<55°	c. sandstone	gn gy	58.30-58.60m silicified zone					3	2			
60		<45°			60.30-61.10m vcss	0+	0+	3.5		2				
61.75		<55°	siltstone with bk sh. and mss		silt (35%) bk sh (25%) mss (30%)									
65.10		<50°				3	1	2		1				
67.35		<50°	v.c. ~ f. - c. sandstone with minor silt		vcss: schistosed 64.00-65.50m: many qvt					0+				
69.00		<40° S1			m-vcss (70%), silt (30%)	1	0+	3						
70		<55°			schistosed									
72.00		<55°			(ss (40%), m-vcss (40%) silt (20%)									
75.00		<50° S1	schistosed lapilli tuff		frag: essential $\phi = 5 \times 20$ mm (max)						2			
76.75		<50°				3	1	1						
76.75		<50°	m. sandstone with silt		mss (60%), silt - bk sh (40%)									
80		<50° S1	schistosed lapilli tuff	gn gy	frag: elongated, essential $\phi = 2 \times 10$ mm (max) 1-4cm q-ep vein at 80.20m, boundary is a 0.8cm cut qv.						2			
85.00		<50° S1				2				0			2	
85.00		<40° S1	schistosed v.c. sandstone with vc and lap. lf		with some vc and lapilli tuff ep vt. rich at 89.00-90.00m								0.00	0.02
90		<55° S1				1								

Appendix-4 Geologic Column of Drilling Cores (32)

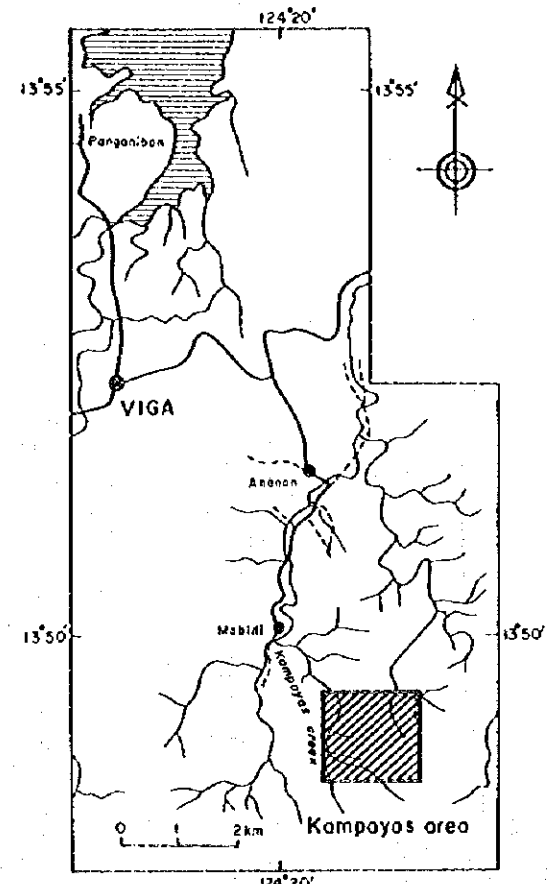
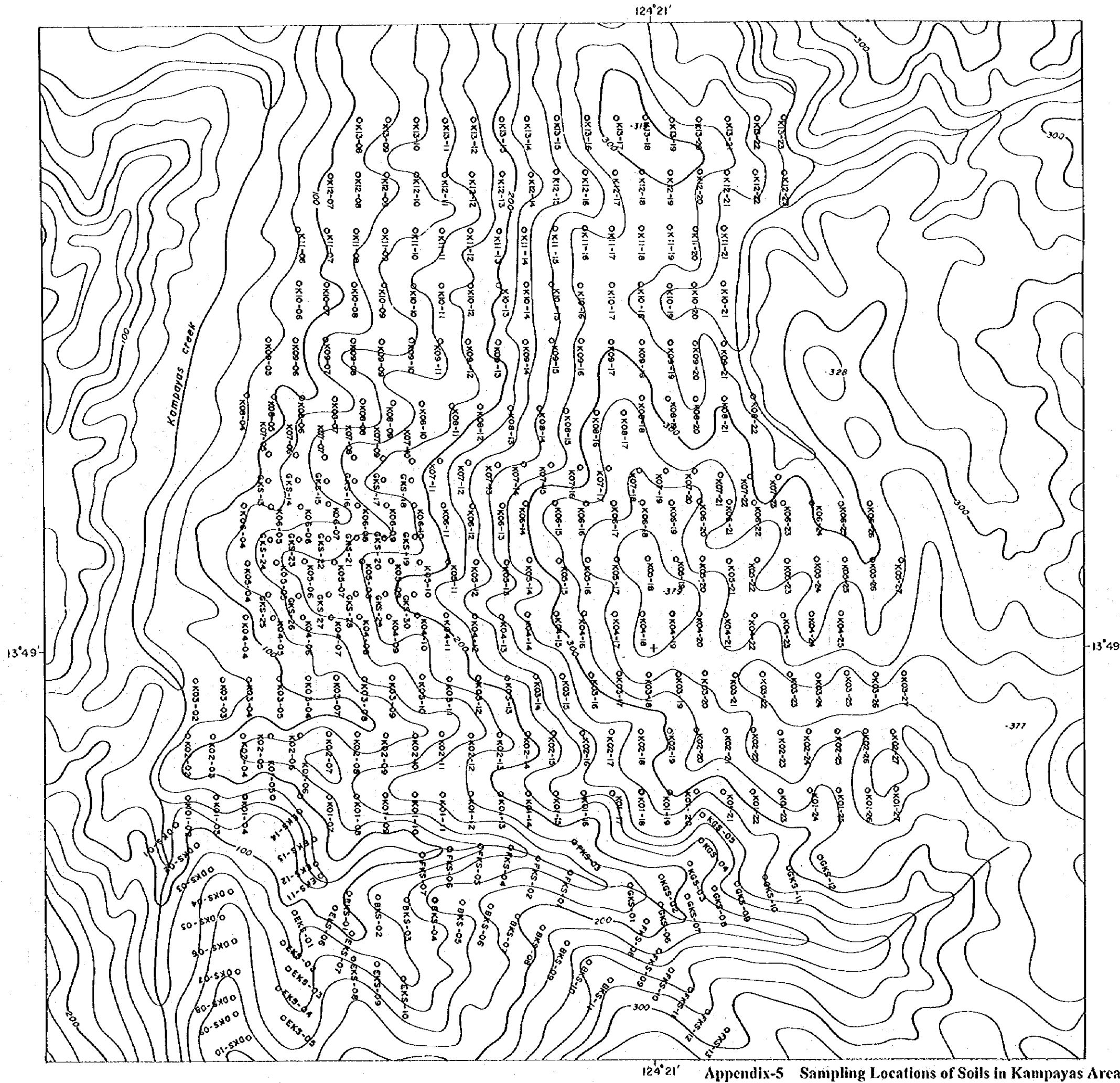
MJPC -12(3)

N50°E, -60° 90.00-100.30m

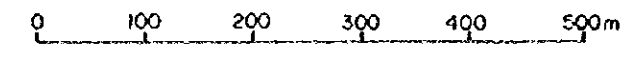
Platform 5
Altitude 172.50m

Depth(m)	geologic column	Bed./Sch.	Rock name	color	Description	Alteration and Mineralization				Fracture		Assay		Lab. test
						V	S	Ep	Py	Fr	CR (%)	Au (g/t)	Cu (%)	
92.55		< 45° Si	schistosed v.c. sandstone with css and lop. ff	gn gy	at least 2 episodes of veining with 0.2-1.2 cm 1) 60°-70° 2) 20°-40° some are epidotized and contain py	1		3						
		< 50° Si						0+						
		< 55° Si						3	0+	2.5			0.00	0.02
		< 60° Si									0+	2		
99.30 100- 100.30		< 45° Si	lopilli tuff	ye gn	schistosed	1		3.5						

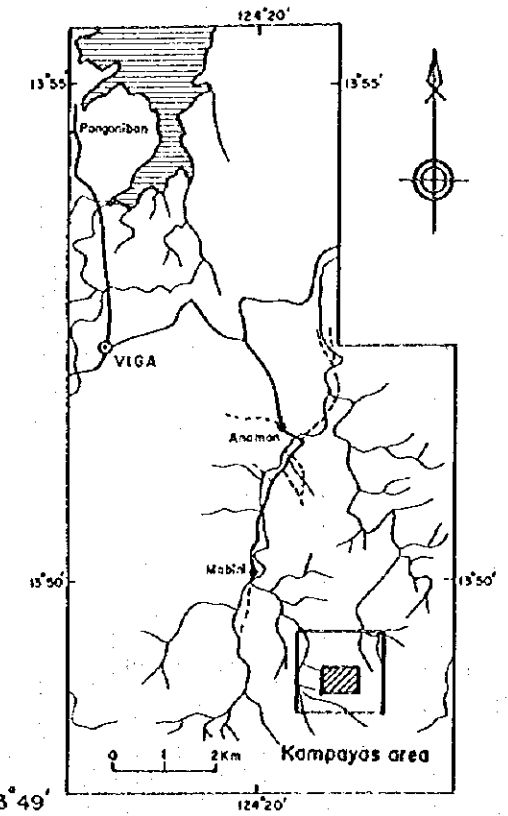
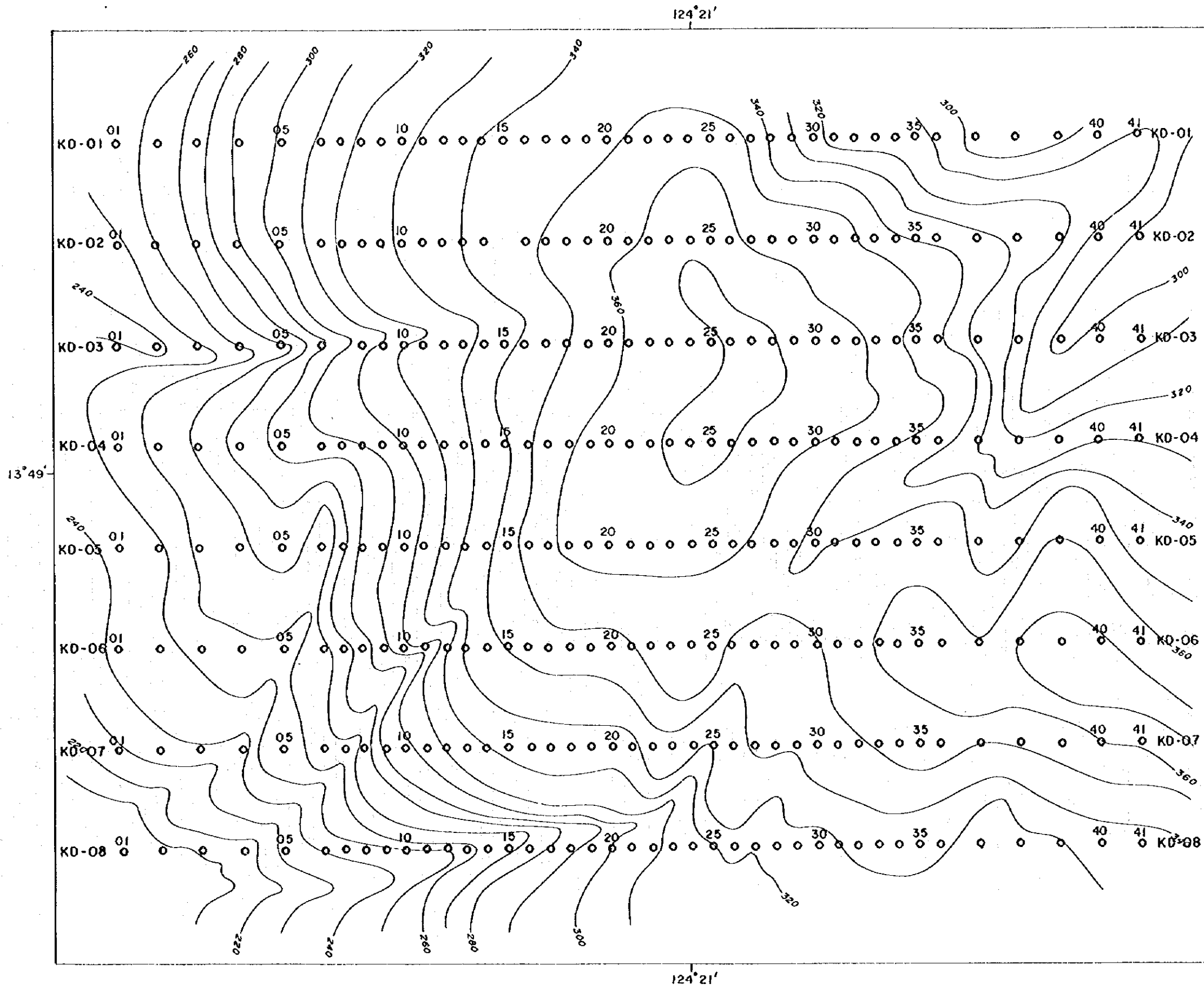
Appendix-4 Geologic Column of Drilling Cores (33)



LEGEND
 OK01-02 Soil Sample

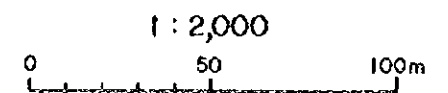


124°21' Appendix-5 Sampling Locations of Soils in Kampayas Area(1)

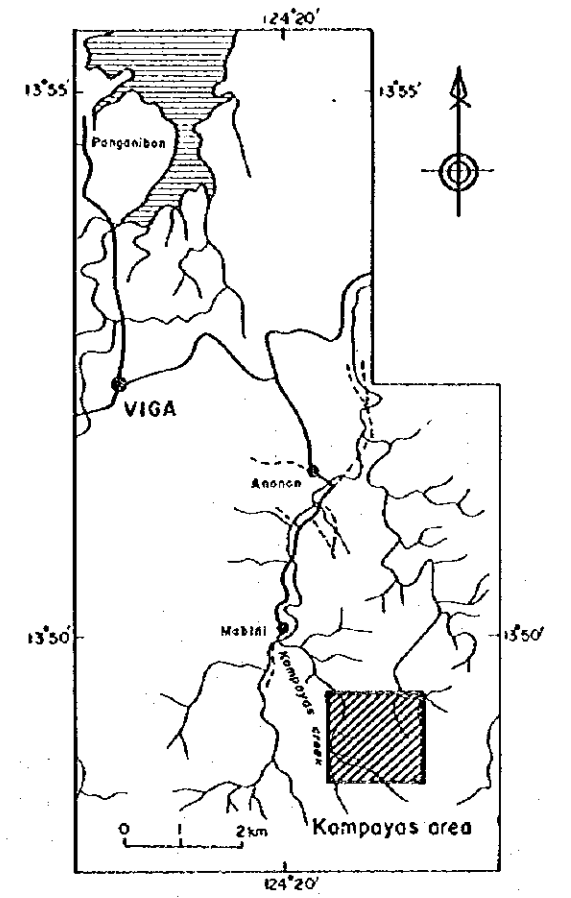
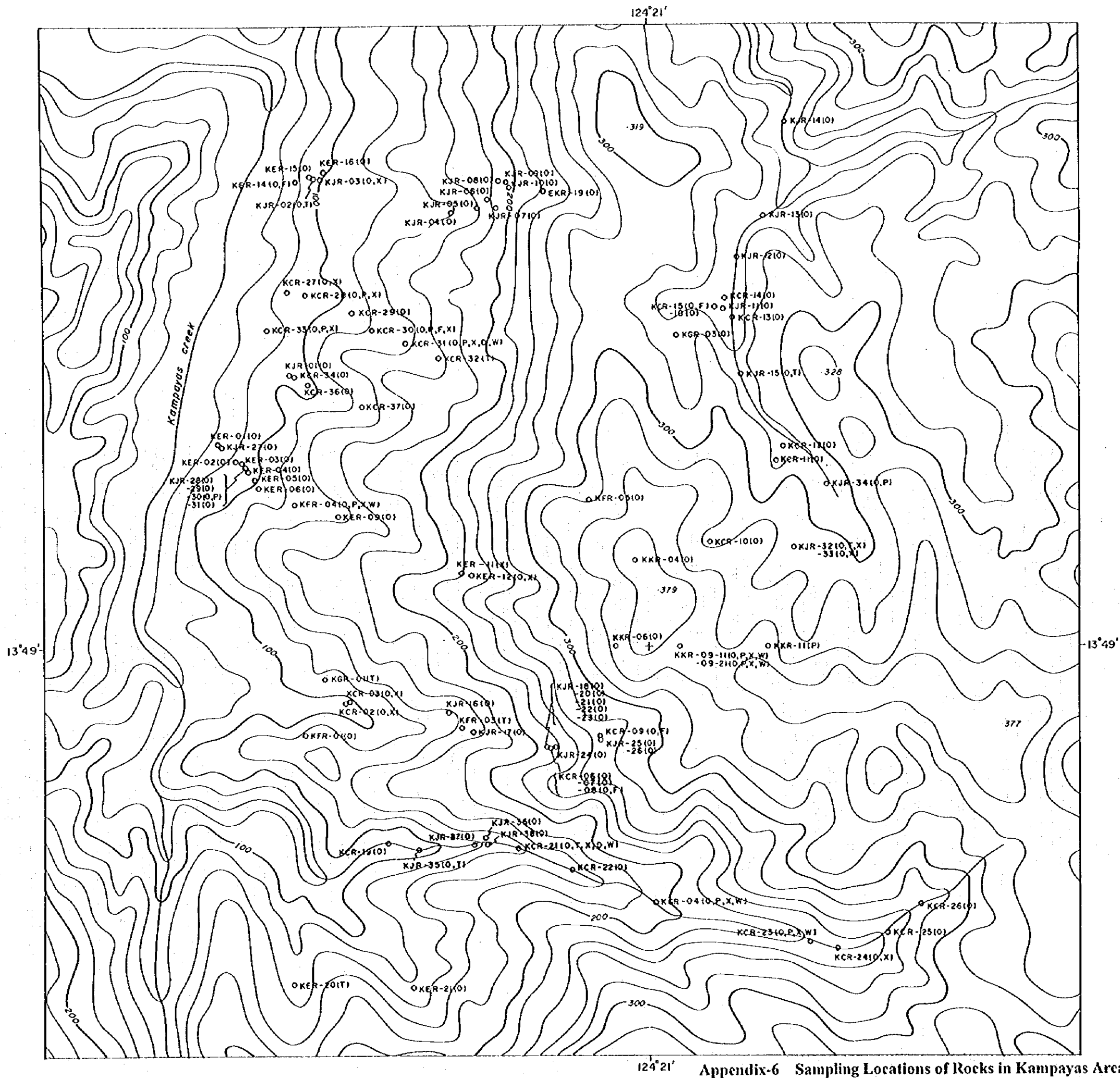


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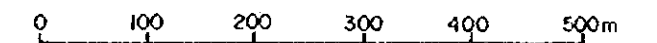
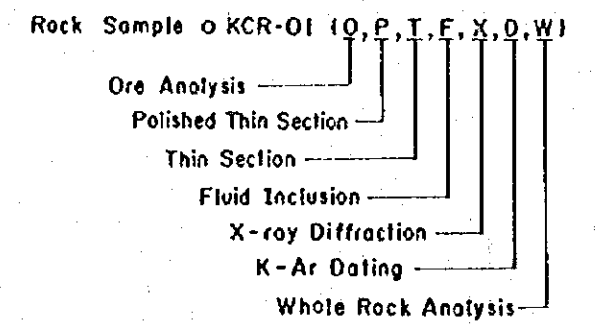
○ Soil Sample



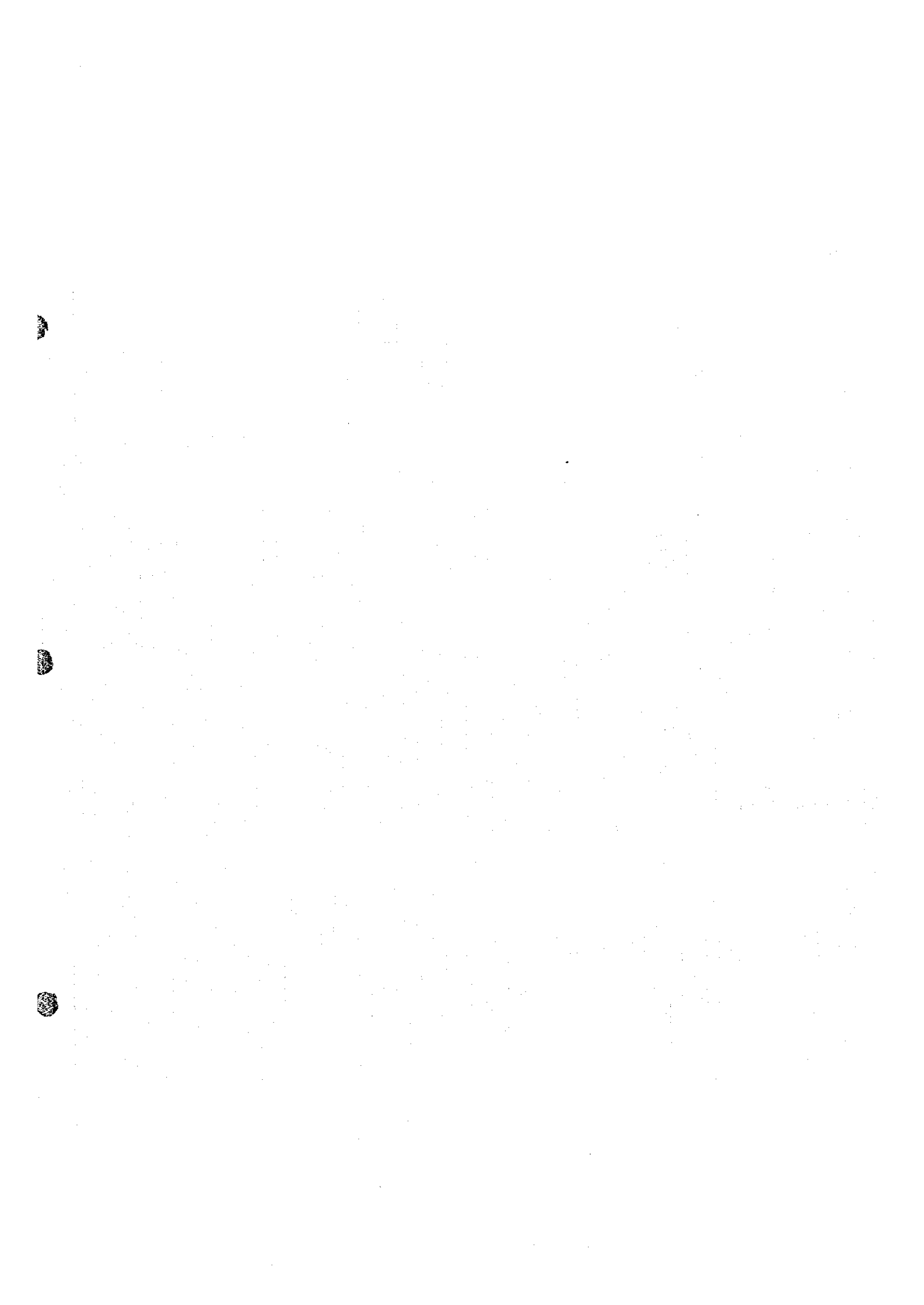
Appendix-5 Sampling Locations of Soils in Kampayás Area(2)



LEGEND



124°21' Appendix-6 Sampling Locations of Rocks in Kampayas Area



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