Appendix 13　Rock magnetic intensity in the western Erdenet area

Ser. No.	Sample No.	Area	Coordinates		Rock Name		Geological Unit	Rock magnetics
			N	E				
Mogoin gol Area								
1	MA2001	Mogoin gol	5442040	410731	Pl-andesite			12.10
2	MA2002	Mogoin gol	5441809	410705	Pl-andesite			18.70
3	MA2003	Mogoin gol	5441872	410237	Pl-andesite			0.64
4	MA2004	Mogoin gol	5441963	409901	Pl-andesite			0.37
5	MA2005	Mogoin gol	5442104	409560	Pl-andesite			0.94
6	MA2006	Mogoin gol	5442130	409546	Pl-andesite			0.29
7	MA2007	Mogoin gol	5442316	409112	Pl-andesite			13.60
8	MA2008	Mogoin gol	5442290	409004	Liparite			13.30
9	MA2009	Mogoin gol	5442077	408628	Pl-andesite			0.47
10	MA2010	Mogoin gol	5442661	408657	Andesitic coarse tuff			0.86
11	MA2012	Mogoin gol	5442977	408190	Andesitic lapili tuff			0.25
12	MA2013	Mogoin gol	5442092	410853	Pl-andesite			15.90
13	MA2014	Mogoin gol	5442601	410927	Argi.-sil.-rock			0.07
14	MA2015	Mogoin gol	5442794	410600	Argi.-sil.-rock			0.06
15	MA2016	Mogoin gol	5443386	409896	Pl-andesite			2.50
16		Mogoin gol	5444311	410027	Liparite			0.70
17		Mogoin gol	5443592	410025	And. Lapilli tuff			0.48
18	MA2017	Mogoin gol	5443643	410005	Pl-andesite			1.83
19		Mogoin gol	5443667	410017	Pl-andesite			9.20
20		Mogoin gol	5443775	409957	Aphanitic andesite			0.66
21	MA2018	Mogoin gol	5444039	410078	Aphanitic andesite			66.34
22	MA2019	Mogoin gol	5444345	410108	Ho-diorite			37.31
23	MA2020	Mogoin gol	5444620	410247	Ho-andesite			0.58
24	MA2021	Mogoin gol	5444902	410518	Aphanitic andesite			44.95
25	MA2022	Mogoin gol	5445178	410918	Aphanitic andesite			76.70
26	MA2023	Mogoin gol	5444200	410751	Aphanitic andesite			0.67
27	MA2024	Mogoin gol	5443928	408993	Aphanitic liparite			0.52
28	MA2025	Mogoin gol	5444326	409288	Pl-andesite			7.43
29		Mogoin gol	5444476	409371	Fine tuff			2.19
30	MA2026	Mogoin gol	5444533	409497	Fine tuff			10.53
31		Mogoin gol	5443734	409768	Liparite			6.92
32	MA2027	Mogoin gol	5443688	409472	Andesitic lapili tuff			1.54
33	MA2028	Mogoin gol	5443999	408549	granodiorite			0.62
34		Mogoin gol	5444082	408657	granodiorite			0.77
35	MA2029	Mogoin gol	5447077	408233	Ho-bi-granodiorite			38.70
36		Mogoin gol	5447012	408206	diorite			44.10
37	MA2030	Mogoin gol	5446971	408200	Pl-andesite			34.76
38	MA2031	Mogoin gol	5446331	408024	Pl-andesite			4.34
39	MA2032	Mogoin gol	5445872	408097	Aphanitic andesite			37.22
40	MA2033	Mogoin gol	5445551	408552	Aphanitic andesite			18.17
41	MA2034	Mogoin gol	5447016	408216	Micro-diorite porphyry			55.18
42	MA2035	Mogoin gol	5447645	408167	Micro-diorite			29.80
43	MA2036	Mogoin gol	5448234	407892	Andesite			31.70
44	MA2037	Mogoin gol	5448842	407715	Aphanitic andesite			11.69
45	MA2038	Mogoin gol	5449093	407583	Aphanitic andesite			13.07
46	MA2039	Mogoin gol	5449368	407707	Silicified rock			1.77
47	MA2040	Mogoin gol	5449385	408100	Aphanitic andesite			0.42
48	MA2041	Mogoin gol	5448919	409134	Aphanitic andesite			0.55
49	MA2042	Mogoin gol	5446882	409667	Secondary quartzite			0.02
50	MA2043	Mogoin gol	5446631	409513	Argi.-sil.-rock			0.08

Ser. No.	Sample No.	Area	Coordinates		Rock Name		Geological Unit	Rock magnetics
			N	E				
51	MA2044	Mogoin gol	5446409	409494	Secondary quartzite			0.04
52	MA2045	Mogoin gol	5445777	409266	Aphanitic andesite			45.95
53	MA2046	Mogoin gol	5446343	410626	Basalt			38.76
54		Mogoin gol	5446592	410604	Liparite			5.07
55		Mogoin gol	5446691	410633	And. Lapilli tuff			10.68
56	MA2047	Mogoin gol	5446935	410690	Aphanitic andesite			63.17
57	MA2048	Mogoin gol	5447175	410562	Aphanitic andesite			3.43
58	MA2049	Mogoin gol	5447383	410380	Aphanitic andesite			55.98
59	MA2050	Mogoin gol	5447460	410276	Liparite			2.04
60	MA2052	Mogoin gol	5447956	410339	Liparite			0.05
61	MA2053	Mogoin gol	5448319	410495	Aphanitic andesite			1.14
62	MA2054	Mogoin gol	5448898	410333	Silicified rock			0.39
63	MA2055	Mogoin gol	5449118	410050	Silicified rock			0.03
64	MA2056	Mogoin gol	5449421	409747	Silicified rock			0.02
65	MA2057	Mogoin gol	5449375	409532	Silicified rock			0.05
66		Mogoin gol	5449318	409344	Silicified rock (andesite)			0.16
67	MA2058	Mogoin gol	5448160	409766	Andesitic tuff			8.57
68	MA2059	Mogoin gol	5447531	410135	Aphanitic andesite			32.53
69	MA2060	Mogoin gol	5447182	410113	Fine granodiorite			12.73
70		Mogoin gol	5446878	409869	Sili. Argill. Rock			0.04
71	MA2061	Mogoin gol	5446640	409935	Sil.-argi.-rock			0.03
72	MA2062	Mogoin gol	5446208	410054	Argi.-sil.-rock			0.02
73	MA2063	Mogoin gol	5447190	408885	Andesite			33.10
74	MA2064	Mogoin gol	5447573	408422	Aphanitic andesite			29.62
75		Mogoin gol	5448129	408173	Aphanitic andesite			34.40
76	MA2065	Mogoin gol	5448358	408300	Aphanitic andesite			0.86
77		Mogoin gol	5448484	408503	Aphanitic andesite			47.36
78	MA2066	Mogoin gol	5448427	408730	Aphanitic andesite			40.34
79	MA2067	Mogoin gol	5447734	408573	Silicified andesite			13.72
80	MA2068	Mogoin gol	5446852	409308	Secondary quartzite			0.09
81	MA2069	Mogoin gol	5446782	409353	Iron oxide rock			0.26
82	MA2070	Mogoin gol	5446694	409316	Iron oxide rock			0.07
83	MA2071	Mogoin gol	5448375	410476	Aphanitic andesite			0.25
84	MA2072	Mogoin gol	5449030	410288	Iron oxide rock			0.22
85	MA2073	Mogoin gol	5449118	410036	Specularite vein			0.29
86	MA2074	Mogoin gol	5449157	410003	Silicified rock			0.20
87	MA2075	Mogoin gol	5449349	410185	Aphanitic andesite			20.80
88	MA2076	Mogoin gol	5449617	410485	Silicified andesite			0.21
89	MA2077	Mogoin gol	5449215	410946	Altered andesite			0.43
90		Mogoin gol	5449095	410833	Silicified rock			0.82
91	MA2078	Mogoin gol	5449045	410496	Argilized andesite			0.08
92	MA2079	Mogoin gol	5448255	410811	Aphanitic andesite			1.86
93	MA2080	Mogoin gol	5447902	410840	Silicified andesite			0.29
94	MA2081	Mogoin gol	5447471	410263	Liparite			2.20
95	MA2082	Mogoin gol	5447376	410221	Andesite			32.68
96	MA2083	Mogoin gol	5446885	409720	Secondary quartzite			0.04
97	MA2084	Mogoin gol	5446885	409600	Secondary quartzite			0.01
98	MA2085	Mogoin gol	5446178	409724	Secondary quartzite			0.16
99	MA2087	Mogoin gol	5446174	409724	Secondary quartzite			0.26
100	MA2088	Mogoin gol	5446153	409721	Silicified argilized rock			0.13
101	MA2089	Mogoin gol	5446140	409719	Liparite		dyke	1.62
102	MA2090	Mogoin gol	5446120	409716	Argilized silicified rock			0.04

Ser. No.	Sample No.	Area	Coordinates		Rock Name		Geological Unit	Rock magnetics
			N	E				
103	MA2091	Mogoin gol	5446100	409713	Argilized silicified rock			0.75
104	MA2092	Mogoin gol	5446044	409706	Silicified andesite			0.11
105	MA2093	Mogoin gol	5446036	409732	Argilized silicified rock			0.35
106	MA2095	Mogoin gol	5446139	409742	Silicified andesite			0.32
107	MA2096	Erdenet SE	5426859	443999	Dacitic welded tuff			0.79
108	MA2097	Erdenet SE	5426791	444379	Dacitic lapili tuff			4.22
109		Mogoin gol	5449791	410122	Aphanitic andesite			19.23
110		Mogoin gol	5449801	410588	Pl. andesite			5.55
111		Mogoin gol	5448498	408740	Aphanitic andesite			33.80
112	MA2243	Mogoin gol	5447956	408835	Andesite			26.20
113		Mogoin gol	5448162	408840	Sandy tuff	MG2-34		12.30
114		Mogoin gol	5449205	410890	Altered andesite	MG10-44		0.33
115		Mogoin gol	5449386	410570	Silicified rock			0.01
116		Mogoin gol	5449544	410832	Coarse tuff			16.18
117		Mogoin gol	5449810	410901	Andesite			25.43
118		Mogoin gol	5450105	411340	Andesitic pumice tuff			0.43
119		Mogoin gol	5450297	411520	Pl. andesite			15.00
120		Mogoin gol	5450480	411690	Andesitic pumice tuff			6.65
121	MA2250	Mogoin gol	5449505	411814	Silicified rock			0.02
122	MA2251	Mogoin gol	5449382	412035	Syanitic granite			3.34
123	MA2252	Mogoin gol	5449295	411957	Granite porphyry			17.73
124	MA2253	Mogoin gol	5449106	411756	Ho-bi granodiorite			3.28
125	MA2254	Mogoin gol	5448576	411761	Mediume granodiorite			12.09
126		Mogoin gol	5449392	408710		MG1-46		101.80
127	MA2255	Mogoin gol	5448585	408380	Andesitic fine tuff	MG0-38		120.00
128		Mogoin gol	5448803	408364	Pl. andesite	MG0-40		51.07
129		Mogoin gol	5448961	408358	Sandy tuff	MG0-42		23.25
130		Mogoin gol	5449147	408352	Sandy tuff altered	MG0-44		0.21
131		Mogoin gol	5449273	408374	Tuffaceous sand stone			37.85
132		Mogoin gol	5449356	408354	Pl. andesite			33.70
133		Mogoin gol	5449444	408357	Tuffaceous sand stone			24.03
134		Mogoin gol	5449603	408364	Tuffaceous sand stone	MG0-48		0.38
135	MA2256	Mogoin gol	5451587	408305	Tuffaceous sand stone			51.45
136	MA2257	Mogoin gol	5451589	408305	Diorite porphyry	MG0-68		14.33
137	MA2258	Mogoin gol	5451053	410335	Diorite porphyry			27.70
138		Mogoin gol	5451109	410274	Fine diorite			7.96
139	MA2259	Mogoin gol	5451126	410245	Andesite porphyry			35.48
140		Mogoin gol	5451195	410195	Granodiorite			39.78
141	MA2260	Mogoin gol	5451344	410188	Syanitic granite			2.92
142	MA2261	Mogoin gol	5451424	410173	Ho-bi granodiorite			5.81
143	MA2262	Mogoin gol	5451682	410135	Syanitic granite			3.62
144	MA2263	Mogoin gol	5451824	410087	Granodiorite porphyry			1.15
145	MA2264	Mogoin gol	5451675	409780	Ho-bi granodiorite			13.75
146	MA2265	Mogoin gol	5451508	409397	Medium diorite			0.75
147		Mogoin gol	5451088	409998	Altered andesite			26.42
148	MA2267	Mogoin gol	5451107	410602	Ho-bi granodiorite			21.00
149	MA2268	Mogoin gol	5451107	410602	Fine granite		Dyke	7.47
150	MA2269	Mogoin gol	5451257	410685	Syanitic granite			10.40
151		Mogoin gol	5451545	410693	Andesite		Dyke	0.36
152	MA2270	Mogoin gol	5451663	410688	Ho-bi granodiorite			7.07
153		Mogoin gol	5452137	411054	Ho-bi granodiorite			14.88
154	MA2272	Mogoin gol	5451826	411222	Granodiorite porphyry			11.16

Ser. No.	Sample No.	Area	Coordinates		Rock Name		Geological Unit	Rock magnetics
			N	E				
155	MA2273	Mogoin gol	5451365	411234	Altered andesite			24.55
156		Mogoin gol	5451300	411070	Ho-bi granodiorite			15.23
157		Mogoin gol	5451165	409865	Ho-bi granodiorite			4.82
158	MA2274	Mogoin gol	5451448	409839	Syanitic granite			12.90
159	MA2275	Mogoin gol	5452312	409354	Granite porphyry			0.21
160	MA2276	Mogoin gol	5452647	409317	Ho-bi granodiorite			0.49
161		Mogoin gol	5453115	409116	Ho-bi granodiorite			4.69
162	MA2279	Mogoin gol	5451662	408722	Syanitic granite			6.77
163	MA2225	Mogoin gol	5450401	409190	Andesitic coarse tuff			0.19
164	MA2239	Mogoin gol	5449432	410250	Porphyritic diorite			32.70
165		Mogoin gol	5449860	409885	Aphanitic andesite			31.30

Ser. No.	Sample No.	Area	Coordinates		Rock Name		Geological Unit	Rock magnetics
			N	E				
Erdenet Area								
1		Erdenet SE	5426557	444452	And. Lapilli tuff			0.17
2	MA2098	Erdenet SE	5426337	444419	Pl-andesite	H-1		0.16
3	MA2099	Erdenet SE	5426331	444655	Dacitic welded tuff			1.09
4	MA2100	Erdenet SE	5426330	444738	Dacitic welded tuff			9.34
5	MA2101	Erdenet SE	5426233	444972	Dacitic welded tuff			0.13
6	MA2102	Erdenet SE	5426316	445037	Pl-andesite			0.05
7	MA2103	Erdenet SE	5427649	445261	Granodiorite			5.79
8	MA2104	Erdenet SE	5427649	445261	Pl-porphyritic diorite			14.30
9	MA2105	Erdenet SE	5427649	445261	granodiorite			40.15
10	MA2106	Erdenet SE	5428119	445557	granodiorite			0.80
11	MA2107	Erdenet SE	5429904	446154	Fine granite			3.20
12	MA2108	Erdenet SE	5429990	445746	Andesite porphyry			19.45
13	MA2109	Erdenet SE	5430121	445466	Fine granodiorite			15.88
14	MA2110	Erdenet SE	5429644	445882	Mediume granodiorite			42.08
15		Erdenet SE	5429500	445865	Pl. andesite			13.44
16	MA2111	Erdenet SE	5429305	445792	Mediume granodiorite			4.37
17	MA2113	Erdenet SE	5428938	445668	Andesite porphyry			9.79
18	MA2114	Erdenet SE	5428593	445757	Mediume granodiorite			45.93
19	MA2115	Erdenet SE	5428139	445515	Fine granodiorite			10.65
20	MA2116	Erdenet SE	5429536	446750	Pl-andesite			0.45
21	MA2117	Erdenet SE	5429478	446765	Fine granite			0.82
22	MA2118	Erdenet SE	5429002	446232	Mediume granodiorite			0.89
23	MA2119	Erdenet SE	5430922	439730	Granodiorite			19.90
24	MA2120	Erdenet SE	5428119	447305	Fine granodiorite			0.75
25	MA2121	Erdenet SE	5428176	447358	Sil. epidote rock			0.59
26	MA2122	Erdenet SE	5428273	447377	Sil. epidote rock			0.06
27	MA2123	Erdenet SE	5428359	447400	Silcified rock			0.02
28	MA2124	Erdenet SE	5428464	447478	Silcified rock			0.07
29	MA2125	Erdenet SE	5428348	447782	Fine granodiorite			6.40
30	MA2126	Erdenet SE	5429593	446677	Granodiorite			3.23
31	MA2127	Erdenet SE	5429268	444591	Granodiorite			9.38
32	MA2128	Erdenet SE	5429191	444544	Diorite porphyry			13.25
33	MA2129	Erdenet SE	5428881	444550	Heterogeneous granodiorite			7.33
34		Erdenet SE	5428681	444547	Granodiorite			16.75
35	MA2130	Erdenet SE	5428469	444573	Heterogeneous granodiorite			29.87
36	MA2131	Erdenet SE	5429788	445348	Fine diorite			72.33
37	MA2132	Erdenet SE	5429322	445734	Mediume granodiorite			34.96
38	MA2133	Erdenet SE	5429236	445578	Andesite porphyry			20.08
39	MA2134	Erdenet SE	5429099	445387	Mediume granodiorite			33.55
40	MA2135	Erdenet SE	5428426	445204	Fine diorite			11.93
41	MA2136	Erdenet SE	5427448	447246	Fine diorite			13.03
42	MA2137	Erdenet SE	5427557	447309	Fine granite			2.55
43	MA2138	Erdenet SE	5427557	447309	Mediume granodiorite			29.25
44	MA2139	Erdenet SE	5428696	443956	Heterogeneous granodiorite			21.40
45		Erdenet SE	5428592	443600	Fine diorite			22.68
46		Erdenet SE	5428438	443590	Fine diorite			42.68
47	MA2140	Erdenet SE	5428428	443592	Quartz vein			0.01
48	MA2141	Erdenet SE	5428310	443599	Fine diorite			28.03
49	MA2142	Erdenet SE	5426851	444008	Dacitic welded tuff			1.30
50	MA2143	Erdenet SE	5426308	445043	Dacitic welded tuff			0.11
51	MA2144	Erdenet SE	5428600	444146	Heterogeneous granodiorite			15.45

Ser. No.	Sample No.	Area	Coordinates		Rock Name		Geological Unit	Rock magnetics
			N	E				
52	MA2145	Erdenet SE	5427934	444904	Micro diorite			51.55
53	MA2146	Erdenet SE	5427970	445302	Micro diorite			8.02
54	MA2147	Erdenet SE	5427906	445493	Micro diorite			3.37
55	MA2148	Erdenet SE	5425704	445208	Dacitic welded tuff			0.08
56	MA2149	Erdenet SE	5425768	444914	Dacitic welded tuff	K-0		0.54
57		Erdenet SE	5426194	444690	Dacitic welded tuff			10.99
58		Erdenet SE	5426321	444734	Dacitic welded tuff			10.43
59		Erdenet SE	5426354	444988	Dacitic lapili tuff			0.33
60		Erdenet SE	5426203	444946	Dacitic lapili tuff			0.57
61	MA2211	Erdenet SE	5426024	444805	Rhyorite	J-1		0.06
62		Erdenet SE	5426743	444440	Dacitic lapili tuff	G-4		0.40

Appendix 14　Report on the IP survey results in the Erdenet SE area

Erdenet SE 地区における物理探査

1　調査位置及び調査量

本調査地区は Erdenet 鉱山の南東方向約 7km に位置し，第 1 年次の空中磁気探査で捕捉された低磁気異常帯を含む。調査位置を Fig.1 及び Fig.2 に，調査量を Table A14-1 にそれぞれ示す。

Table A14-1 Survey amounts of TDIP

AREA	LENGTH(km)	No. of Lines	No. of POINTS
Erdenet SE	24	12 Lines ×2.0km	360

2　調査方法

(1)　測定方法

測定手法は時間領域における IP 法を用いた。電極配置はダイポール・ダイポール配置とし，電極間隔は a=200m，電極隔離係数は n=1~5 とした。電流値 1.5A～4.0A の直流電流を周期 8sec の休止矩形波形にて流し，通電中の受信電位より見掛比抵抗を求め，電流切断後の減衰電位より分極率を測定した。減衰電位測定に用いたウインドウ数は 4 個（ウインドウ幅：120, 220, 420, 820msec）で delay time は 160msec である。

各測点における測定は，原則としてスタッキング回数を 5 回以上とした。本調査地域におけるデータの品質は総じて良好であったが，一部の測点において，測定後に表示される測定データの標準偏差が大きくなったり，分極率にばらつきが認められたため，必要に応じスタッキング回数を増すか，再測定を行った。

(2)　データ処理方法

本調査に用いた IP 法の電極配置はダイポール・ダイポール配置である。電極間隔 a，電極隔離係数 n のダイポール・ダイポール配置において，電流電極 C_1C_2 間に電流 I を通電し，電位電極 P_1P_2 間において測定される一次電位が V_p である時，大地の見掛比抵抗 ρ_a は次式により表される。

$$\rho_a = \pi a n (n+1)(n+2)\frac{V_p}{I} \qquad (1\text{-}1)$$

また，直流電流通電中に電位電極 P_1P_2 間において測定される一次電位 V_p と，電流遮断後 t_1 から t_2 までの電位の過渡現象（二次電位 V_t）の時間積分値の比は，IP 効果の大きさの指標である見掛分極率 M_a として，次式により表される。

$$M_a = \frac{1}{V_p (t_2 - t_1)} \int_{t_1}^{t_2} V_t dt \qquad (1\text{-}2)$$

本報告書では t_1=450msec から t_2=1100msec までの時間積分値の比を 1.87 倍したものを見掛分極率

M_a とし解析に用いた。減衰電位測定に用いた 4 個のウインドウ（ウインドウ幅：120, 220, 420, 820msec）における見掛分極率をそれぞれ M_1, M_2, M_3, M_4 とした場合，M_a は次式にて近似できる。

$$M_a = \frac{50M_2 + 420M_3 + 180M_4}{50 + 420 + 180} \qquad (1\text{-}3)$$

また，IP 効果を表現する量の一種であるメタルファクター（*MF*）は上記の見掛比抵抗値及び見掛分極率により，次式により算出される。

$$MF = \frac{M_a}{\rho_a} \times 100 \qquad (1\text{-}4)$$

(3) 使用機器

本調査に使用した機器を Table A14-2　に示す。

Table A14-2　Specification of TDIP survey instruments

Receiver	IRIS ELREC-T
Number of Channels	2ch
Dynamic Input Range	±5V
Reading Resolution of Vp	10 μ V
Chargeability	0.1mV/V
Transmitter	IRIS VIP3000
Maximum Output Power	3000VA
Maximum Output Current	5A
Generator	DENYO GA5500
Maximum Output Power	5000VA
Output Voltage	220V
Output Frequency	50Hz
Potential Electrode	Non-polarizable $Pb/PbCl_2$ Pot

3 調査結果

(1) 測線設定

測線数は 12 本で，測線長は各 2.0km，測線方向は N42.5° E である。測線位置を Fig.A14-1 に示す。

(2) 測定結果

見掛比抵抗, 見掛分極率及び見掛メタルファクターの断面図をそれぞれFig.A14-2～Fig.A14-4に，また平面図を Fig.A14-5～Fig.A14-7 に示す。

見掛比抵抗は約 60～1500Ωm を示しており，以下のような構造を表しているものと考えられる。

- A 測線～C 測線，測点 2～6 の n=1，D 測線～J 測線，測点 6～12 の n=1～2，K 測線～L 測線の n=1～3 における 150Ωm 以下の低比抵抗部は，第四系の沖積層に相当する。
- A 測線, 測点 8～10 の n=1 及び A 測線～H 測線, 測点 16～18 の n=1～5 における 200～400Ωm の比抵抗部は，三畳紀からジュラ紀のセレンゲ複合岩体である閃緑岩～花崗閃緑岩に相当し，深部まで連続する。
- G 測線～K 測線，測点 2～6 の n=1～5 における 500Ωm 以上の高比抵抗部は二畳紀から三畳紀の火山岩類である石英安山岩～流紋岩質凝灰岩に相当し，G 測線～L 測線の深部まで連続する。

見掛分極率及び見掛メタルファクターについては，全体的に値が低く，コントラストに乏しい結果となった。

(3) 2 次元解析結果

測定データは九州大学佐々木裕博士作成の 2 次元逆解析プログラムを用いて解析を行った。解析により得られた比抵抗, 分極率及びメタルファクターの断面図をそれぞれFig.A14-8～Fig.A14-10に，また平面図を Fig.A14-11～Fig.A14-13 に示す。

比抵抗は約 30～4,000Ωm に解析され，以下のような構造を表しているものと考えられる。

- A 測線～C 測線の測点 2～10 の地下浅部，D 測線～J 測線の測点 6～16 の地下浅部及び K 測線～L 測線の地下浅部に解析された 100Ωm 以下の低比抵抗部は，第四系の沖積層に相当し，深度 100m から深い所では深度 200m 付近まで堆積している。
- A 測線の測点 7～10 の地下浅部及び B 測線～D 測線の測点 5～10 で深度約 250m～400m 付近に解析された 1,000Ωm 以上の高比抵抗部は，三畳紀からジュラ紀のセレンゲ複合岩体である閃緑岩～花崗閃緑岩に相当する。このセレンゲ複合岩体は A 測線～H 測線の測点 16～18 の地下浅部にも分布すると考えられるが，比抵抗値は 200～600Ωm と解析されている。この比抵抗値の違いは，閃緑岩又は花崗閃緑岩中に貫入している安山岩～安山岩斑岩脈の影響か，または地下深部に二畳紀から三畳紀のセレンゲ複合岩体である角閃石～黒雲母花崗閃緑岩が潜頭している可能性が考えられる。また，B 測線～C 測線の測点 12～14 の地下浅部から深度方向にほぼ垂直に延びる 100Ωm 以下の低比抵抗部が解析されているが，これは安山岩～安山岩斑岩脈による影響により低比抵抗に解析されたものと推測される。

・G 測線～K 測線の測点 2～6 の地下浅部に解析された 1,000Ωm 以上の高比抵抗部は二畳紀から三畳紀の火山岩類である石英安山岩～流紋岩質凝灰岩に相当し，G 測線～L 測線の深部まで北方向に傾斜しながら連続する。

分極率については全体的に値が低くコントラストに乏しい結果となっている。メタルファクターについては第四系の沖積層に相当する部分で 10 前後の値を示してる他は値が低い。これらの結果からは鉱化変質を示唆する異常帯は認められない。

4 結論

Erdenet SE 地区における比抵抗構造は次の３つに大別できる。調査範囲北部には三畳紀からジュラ紀のセレンゲ複合岩体である閃緑岩～花崗閃緑岩と考えられる高～中比抵抗体が深部まで連続し，調査範囲南部には二畳紀から三畳紀の火山岩類である石英安山岩～流紋岩質凝灰岩と考えられる高比抵抗体が深部まで連続している。そして調査範囲中央部にはこれらの地層の大部分を覆う第四系の沖積層と考えられる低比抵抗体が地下浅部に分布している。

調査範囲北部における高～中比抵抗体は閃緑岩～花崗閃緑岩と考えられるが，その比抵抗値から変質している可能性は低く，さらに分極率の値も全体的に低いことから，鉱化変質の可能性は低い。調査範囲内のその他の場所でも，低比抵抗・高分極率異常は認められず鉱化変質の可能性は低い。

昨年度の空中磁気探査では本調査地域に低磁気異常が捕捉されており，この低磁気異常をもたらしたと考えられる貫入岩体の存在が期待されていた。本調査からは，調査範囲北部に露出する三畳紀からジュラ紀のセレンゲ複合岩体及び調査範囲南西部に露出する二畳紀から三畳紀の石英安山岩～流紋岩質凝灰岩の両方が低磁気異常に起因すると考えられる。IP 効果がほとんど認められないことから，鉱化作用をもたらす斑岩の貫入している可能性は非常に低いと結論される。

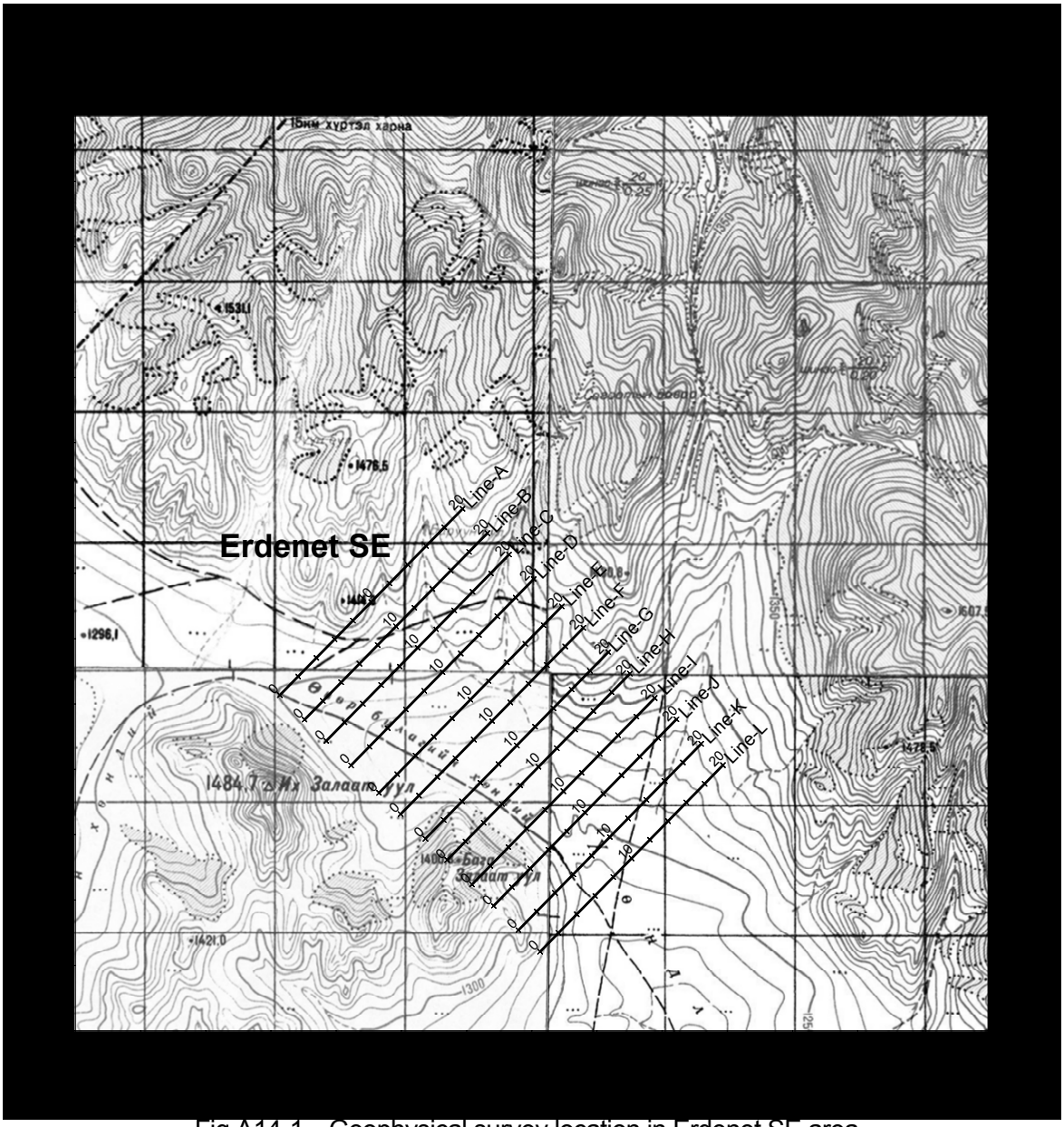


Fig.A14-1　Geophysical survey location in Erdenet SE area

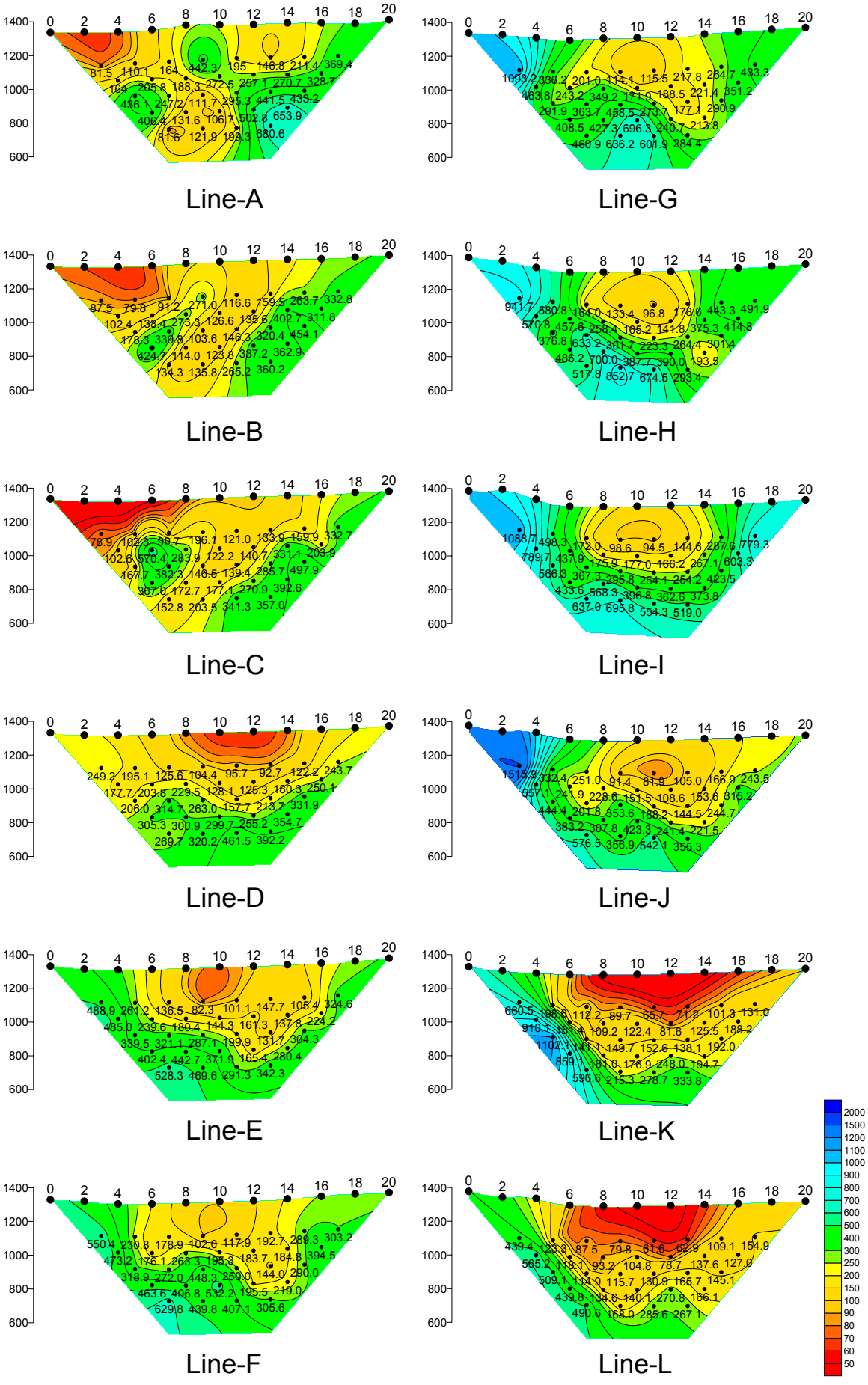


Fig.A14-2 Section maps of apparent resistivity in Erdenet SE area

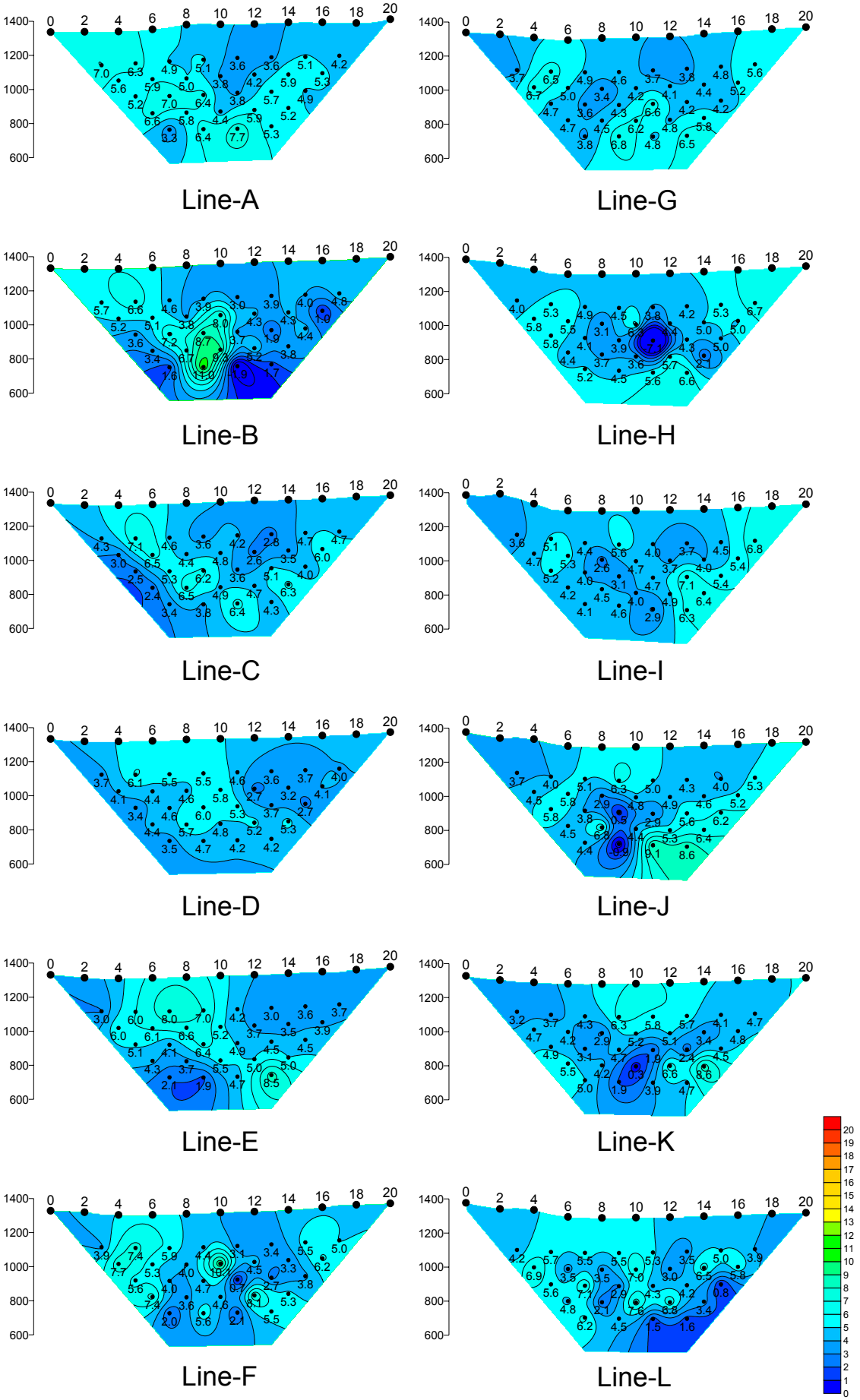


Fig.A14-3 Section maps of chargeability in Erdenet SE area

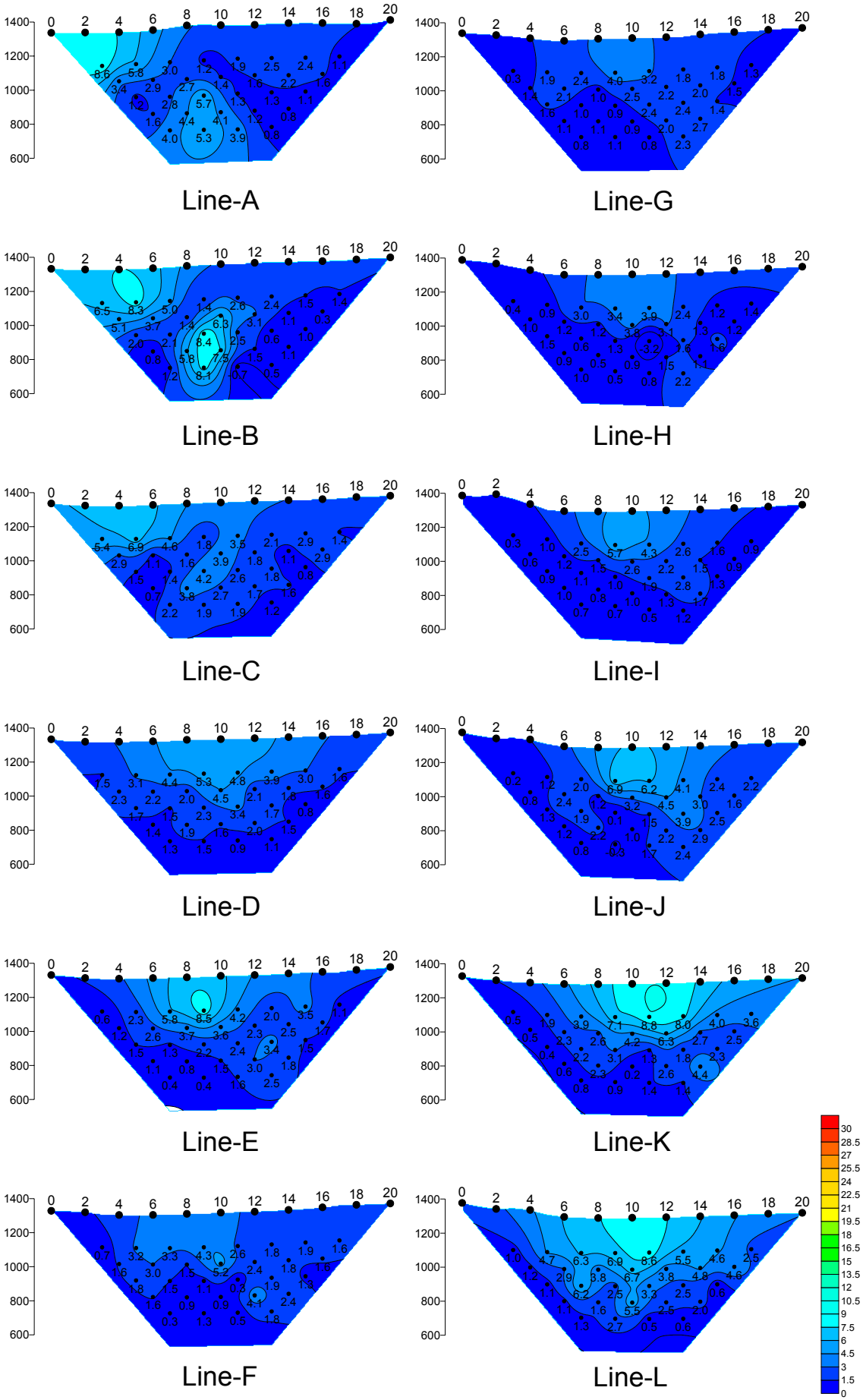


Fig.A14-4 Section maps of Metal Factor in Erdenet SE area

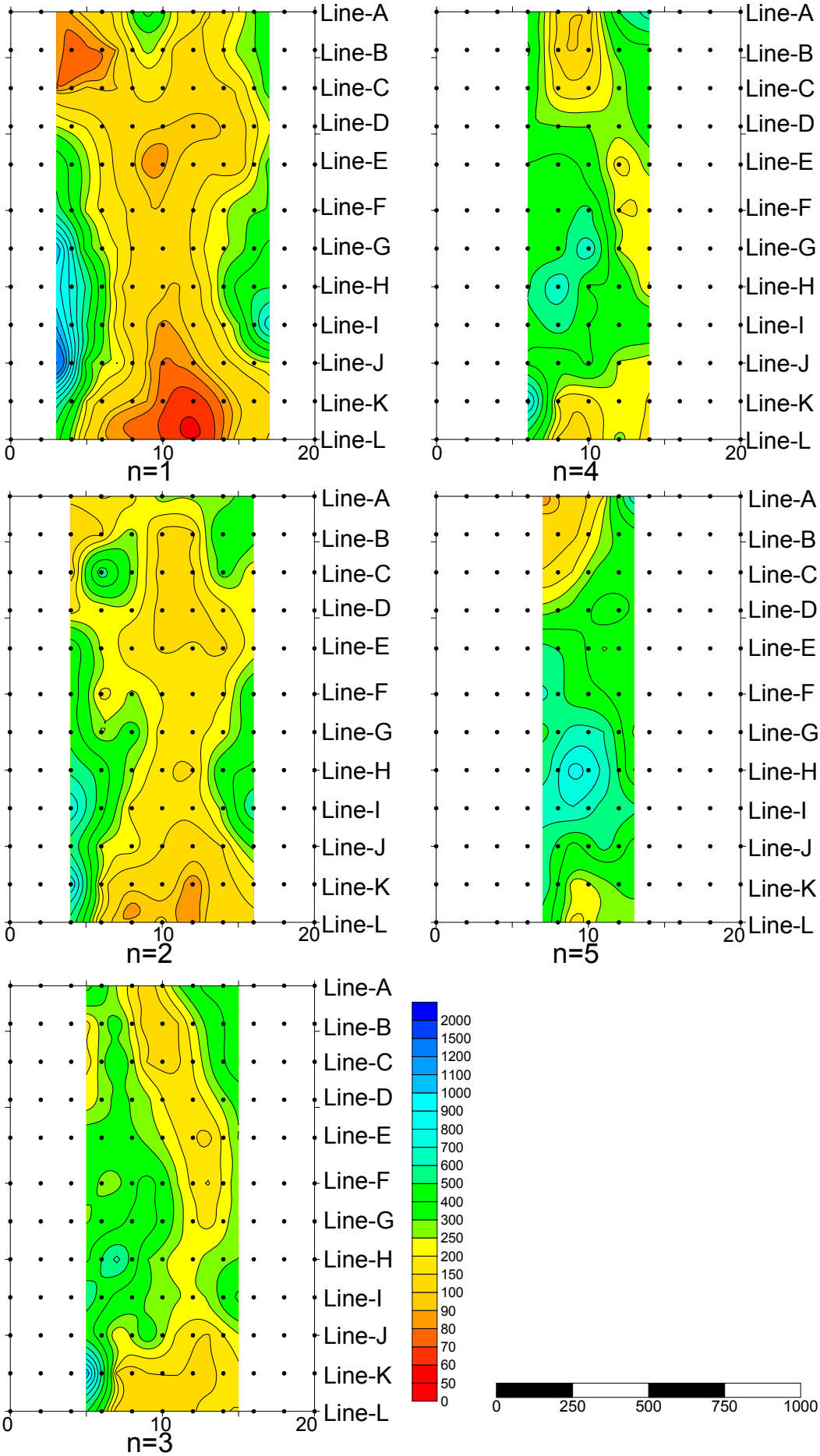


Fig.A14-5 Plan maps of Apparent Resistivity in Erdenet SE area

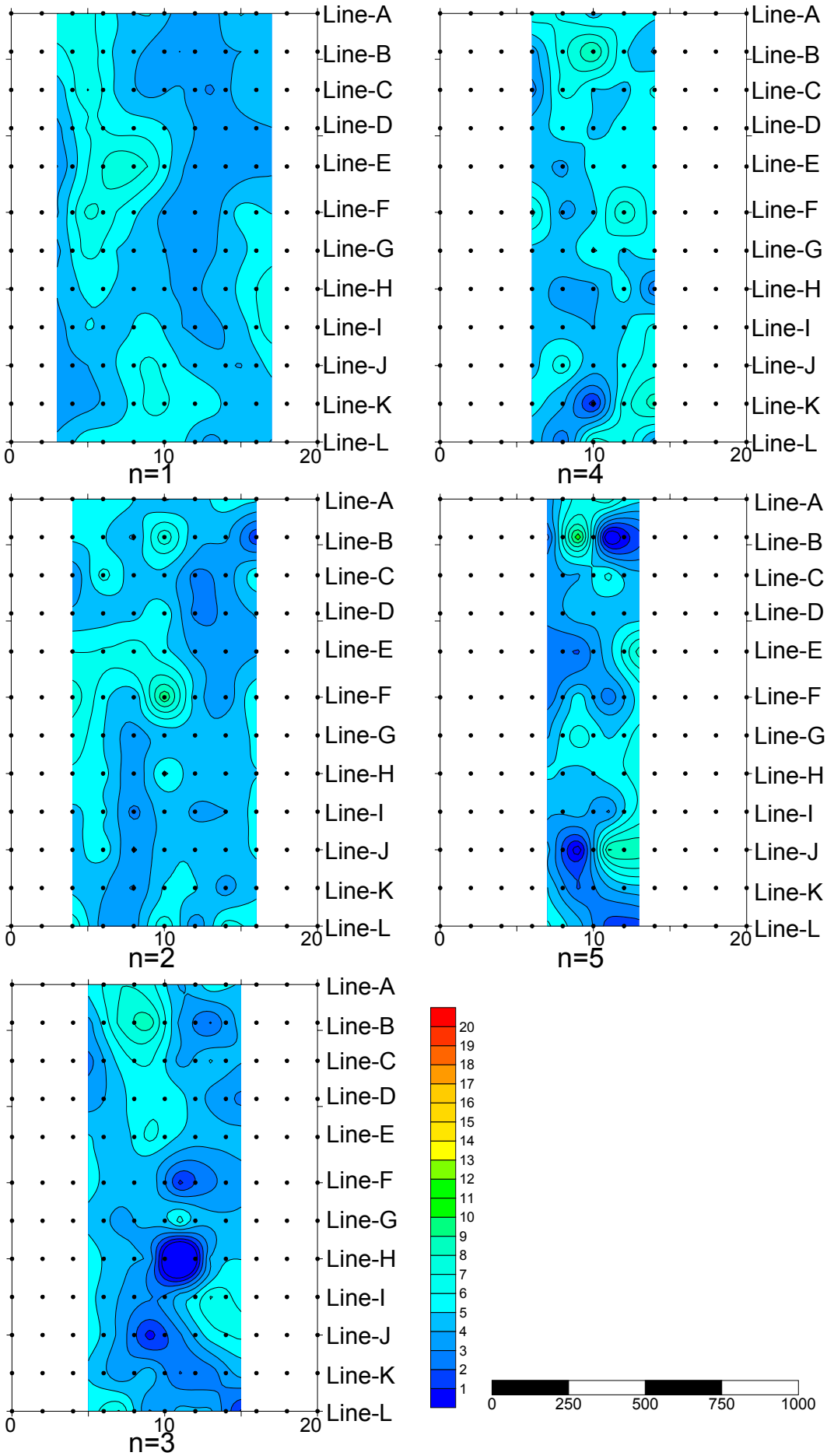


Fig.A14-6 Plan maps of Chargeability in Erdenet SE area

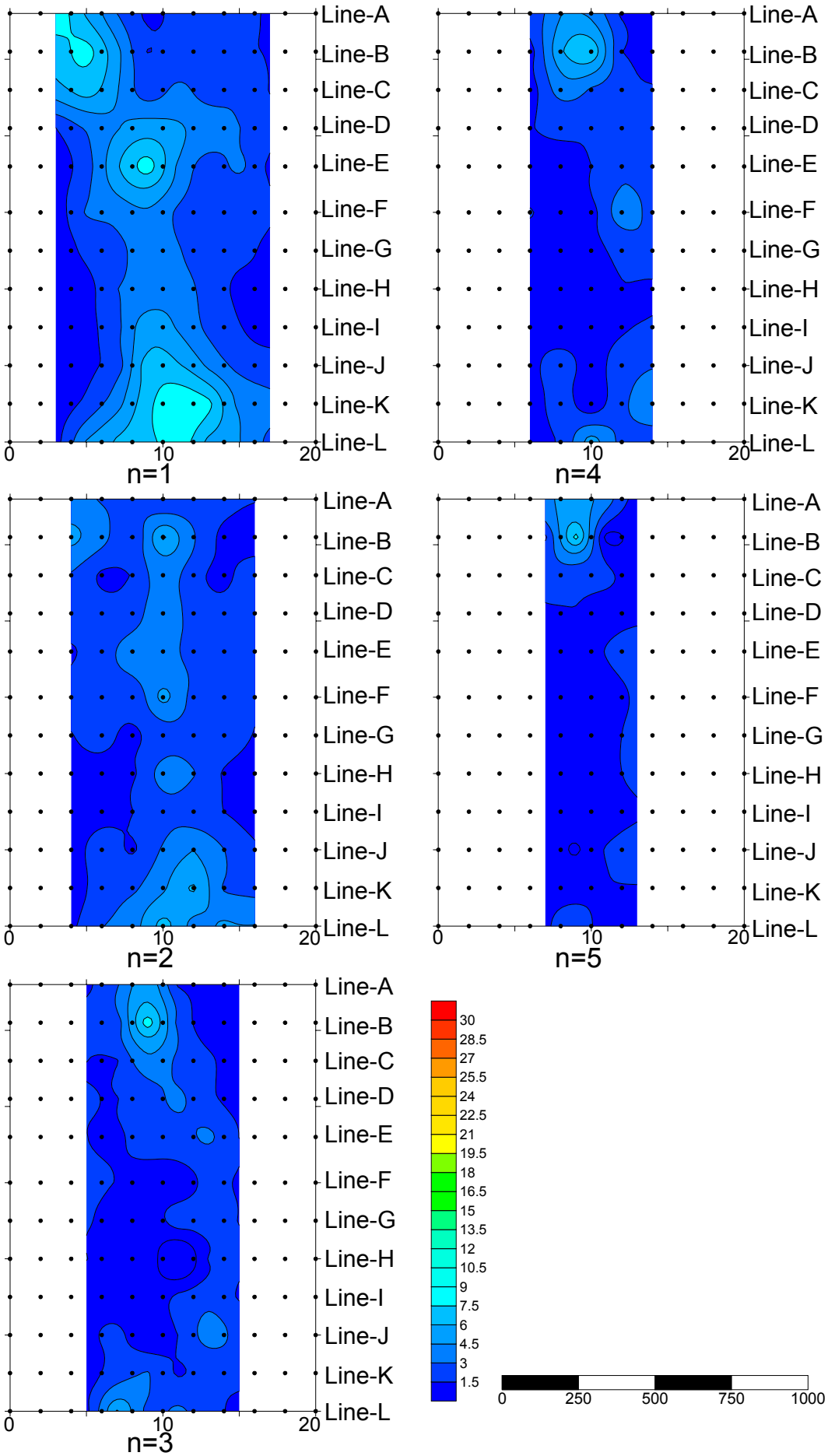


Fig.A14-7 Plan maps of Metal Factor in Erdenet SE area

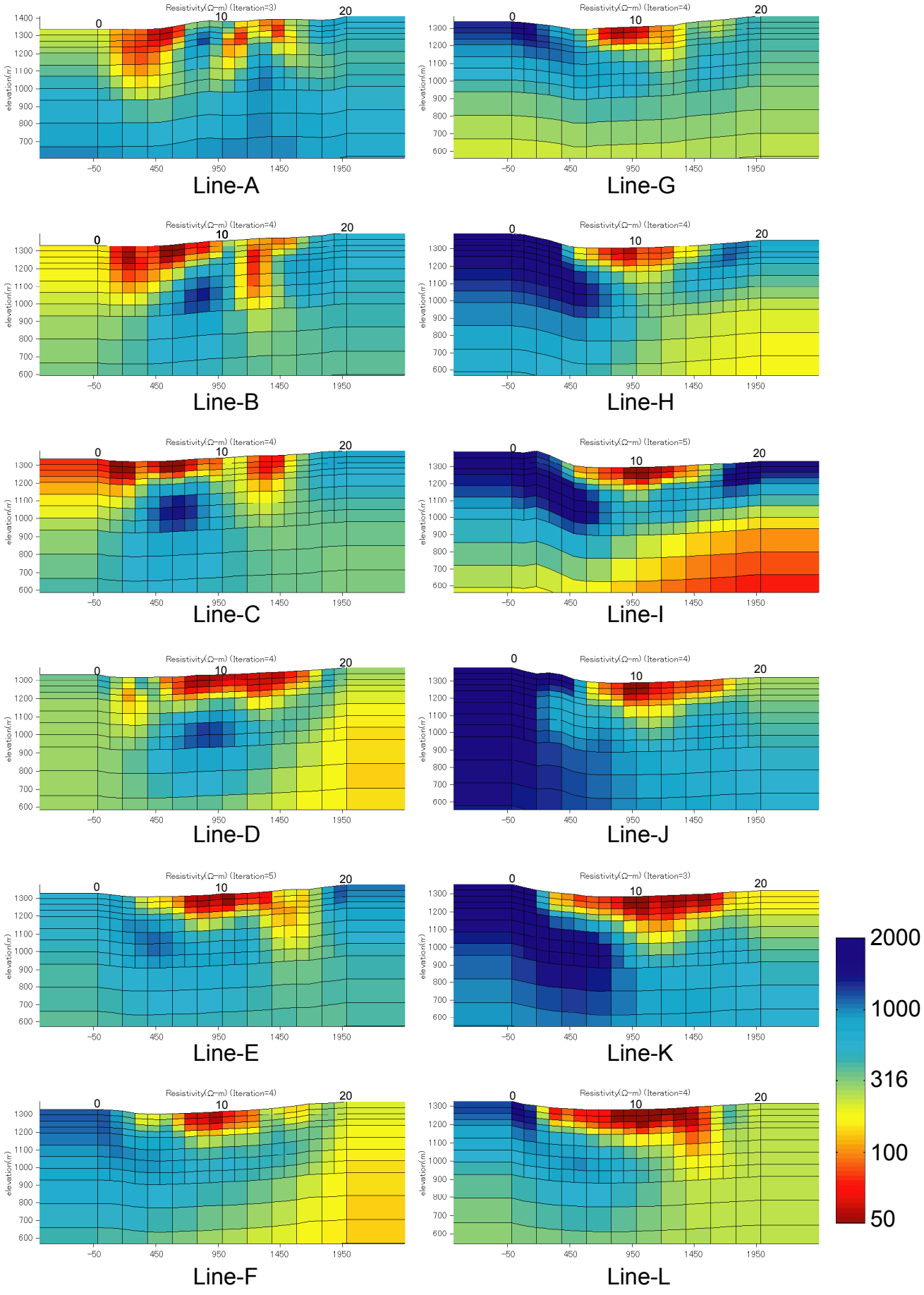


Fig.A14-8　2D analysis section maps of Resistivity in Erdenet SE area

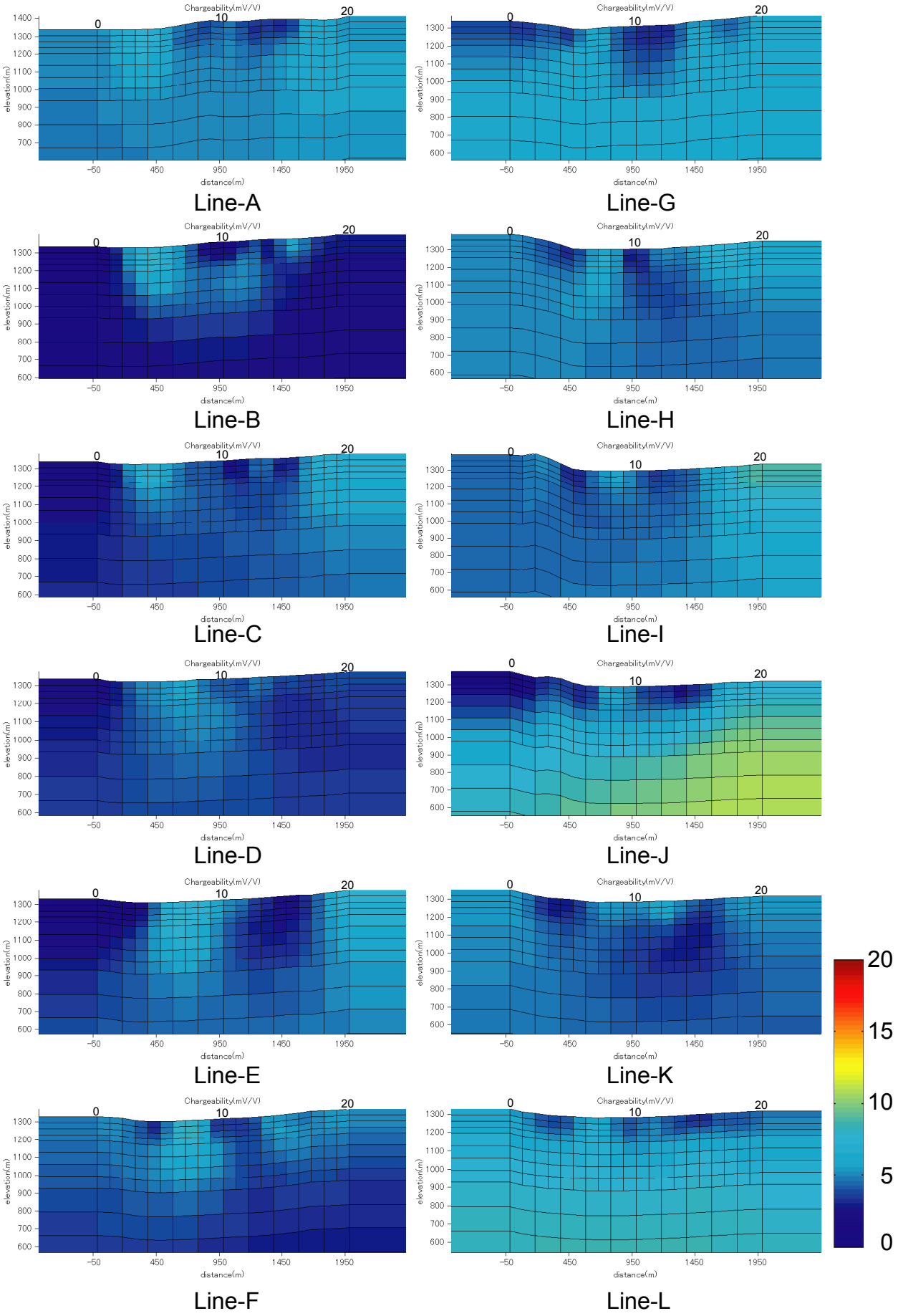


Fig.A14-9　2D analysis section maps of Chargeability in Erdenet SE area

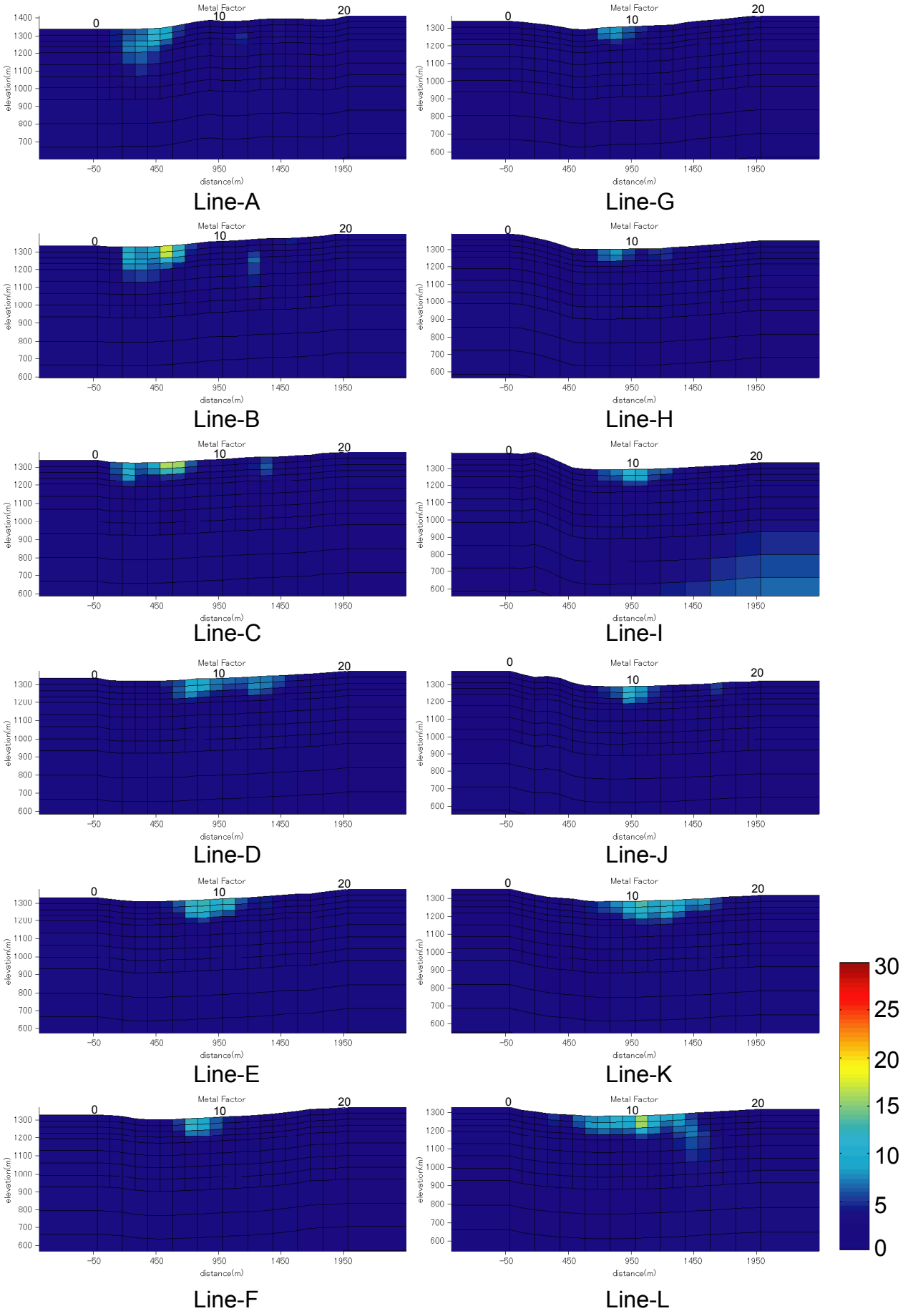


Fig.A14-10　2D analysis section maps of Metal Factor in Erdenet SE area

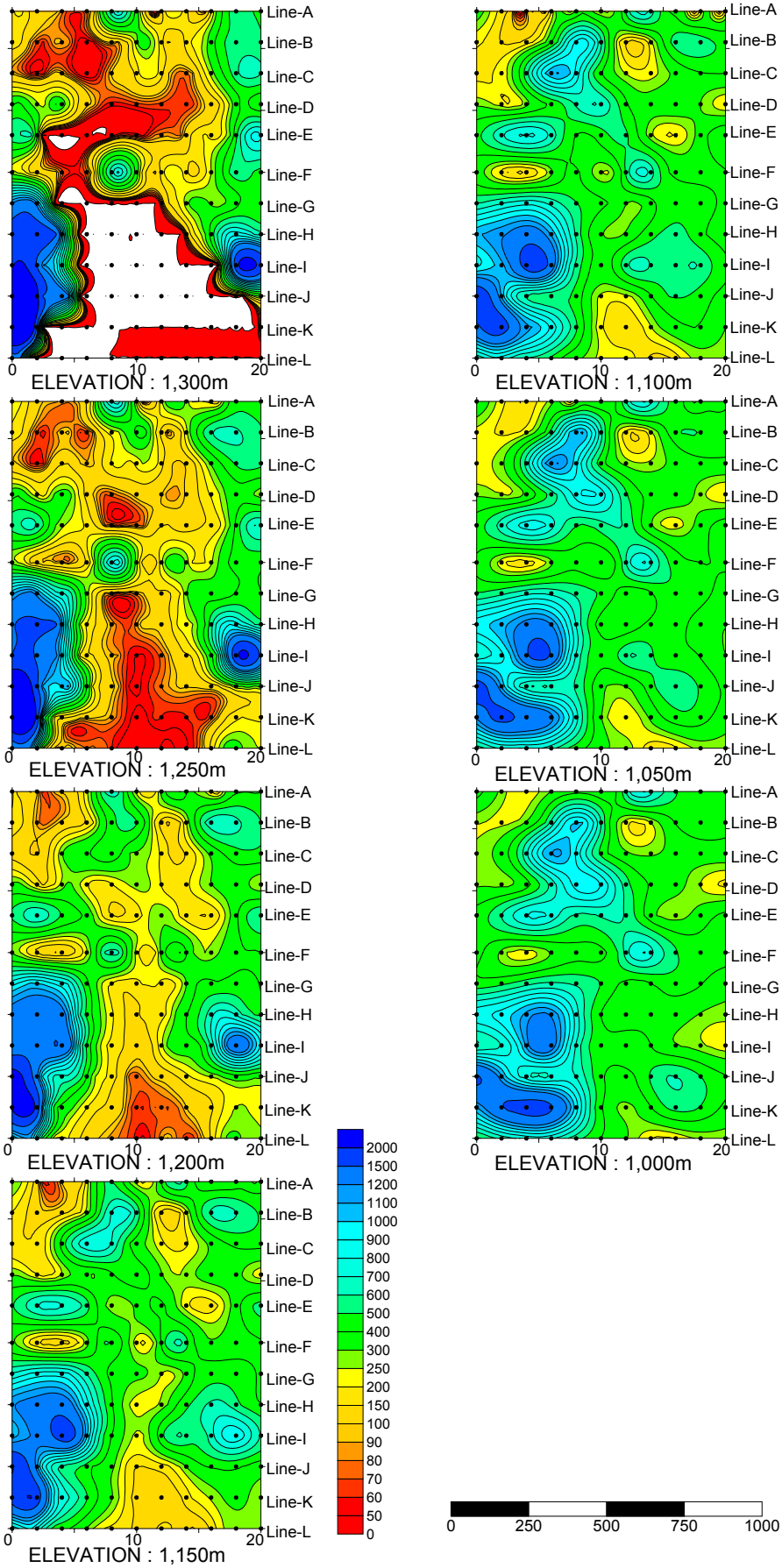


Fig. A14-12　2D analysis plan maps of Resistivity in Erdenet SE area

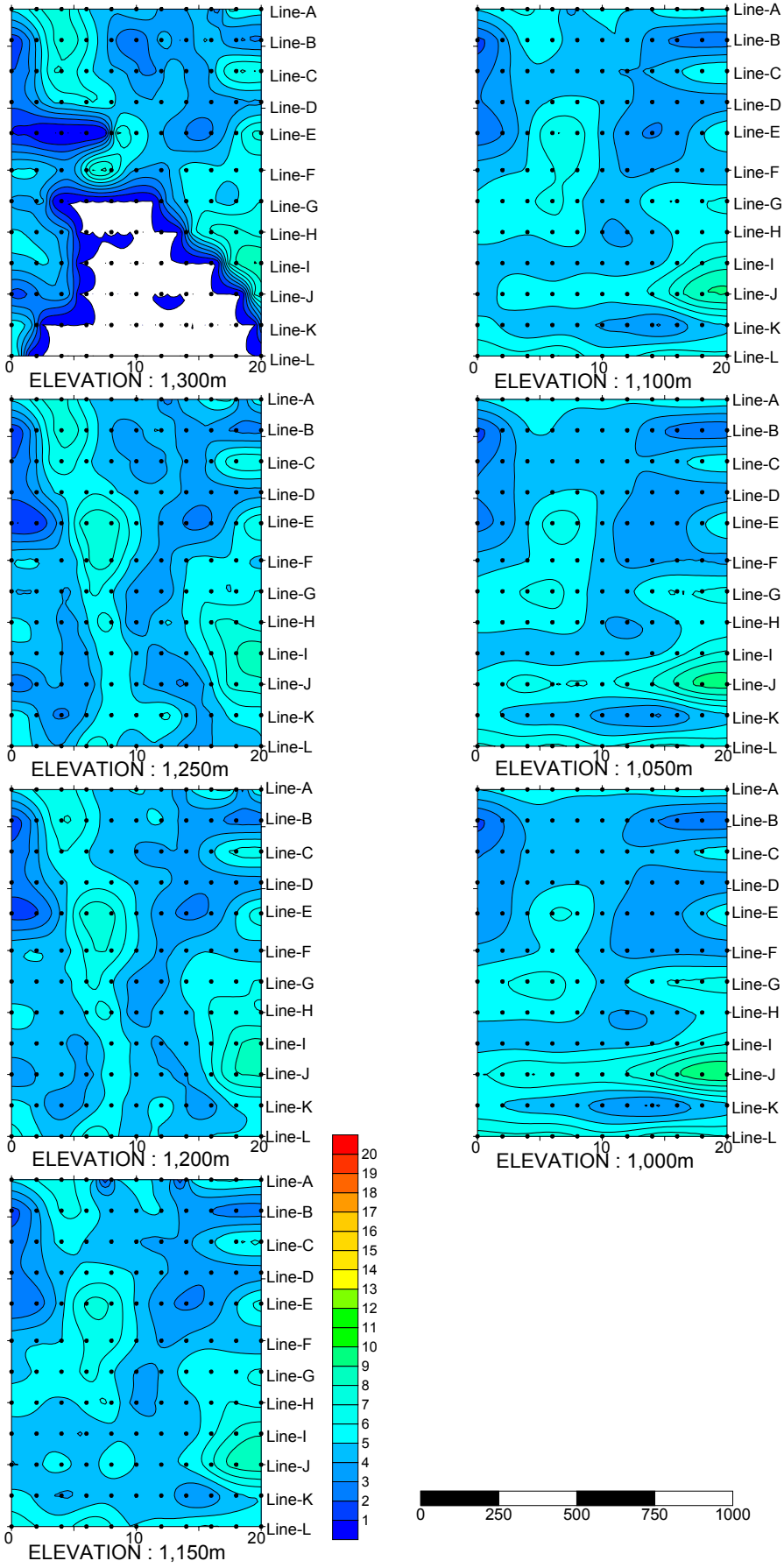


Fig. A14-13 2D analysis plan maps of Chargeability in Erdenet SE area

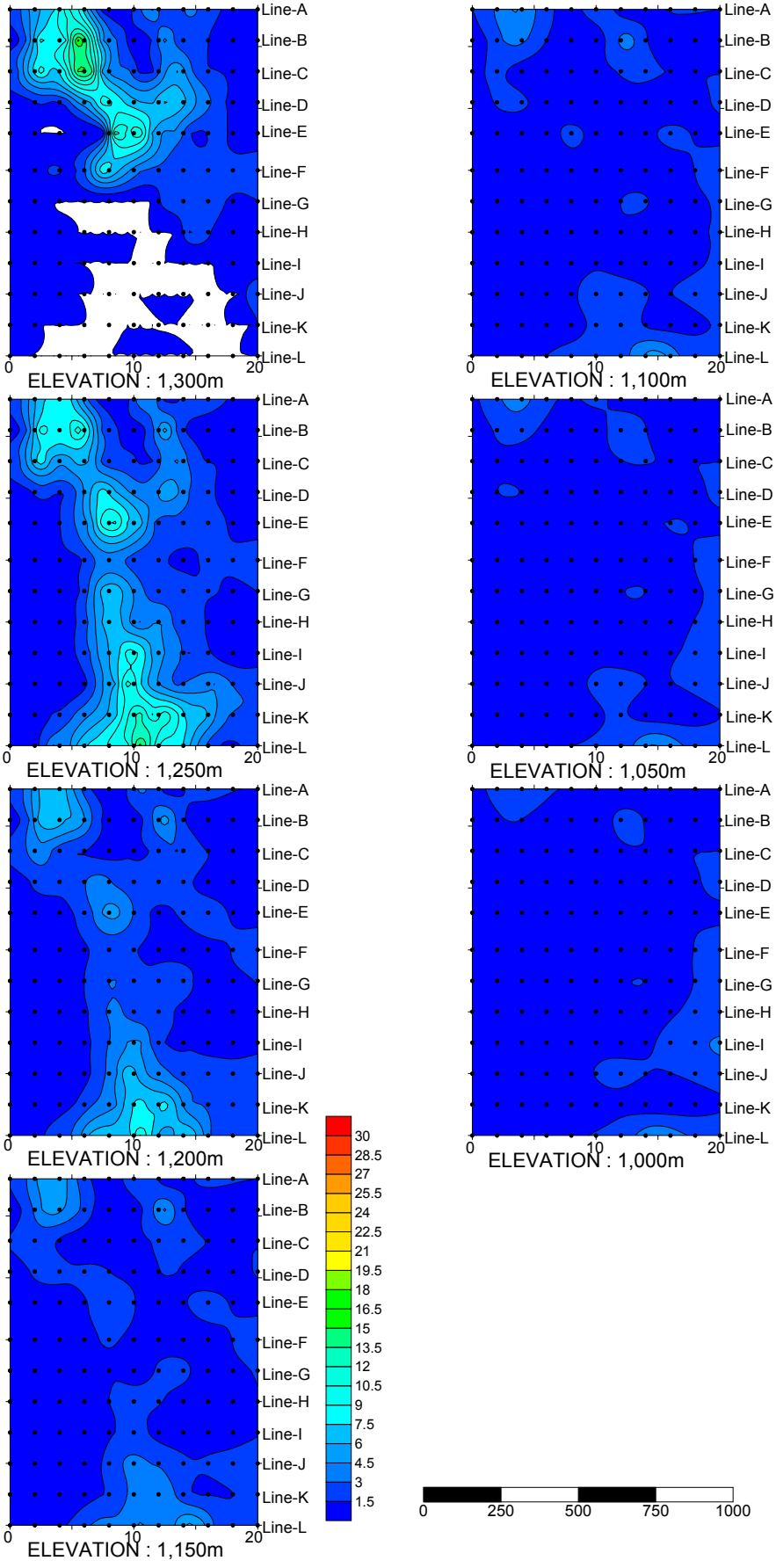


Fig. A14-14 2D analysis plan maps of Metal Factor in Erdenet SE area

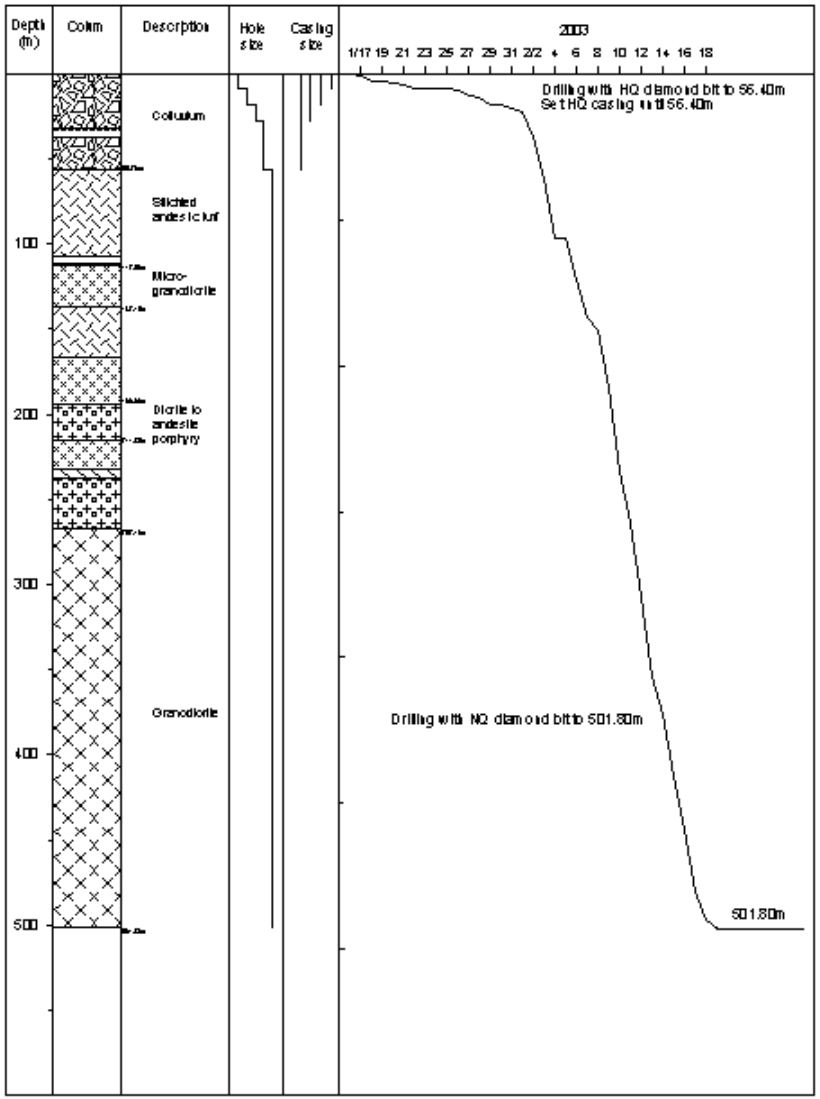
Appendix 15 Drilling equipments and consumed material, generalized drilling results and progress record of drilling

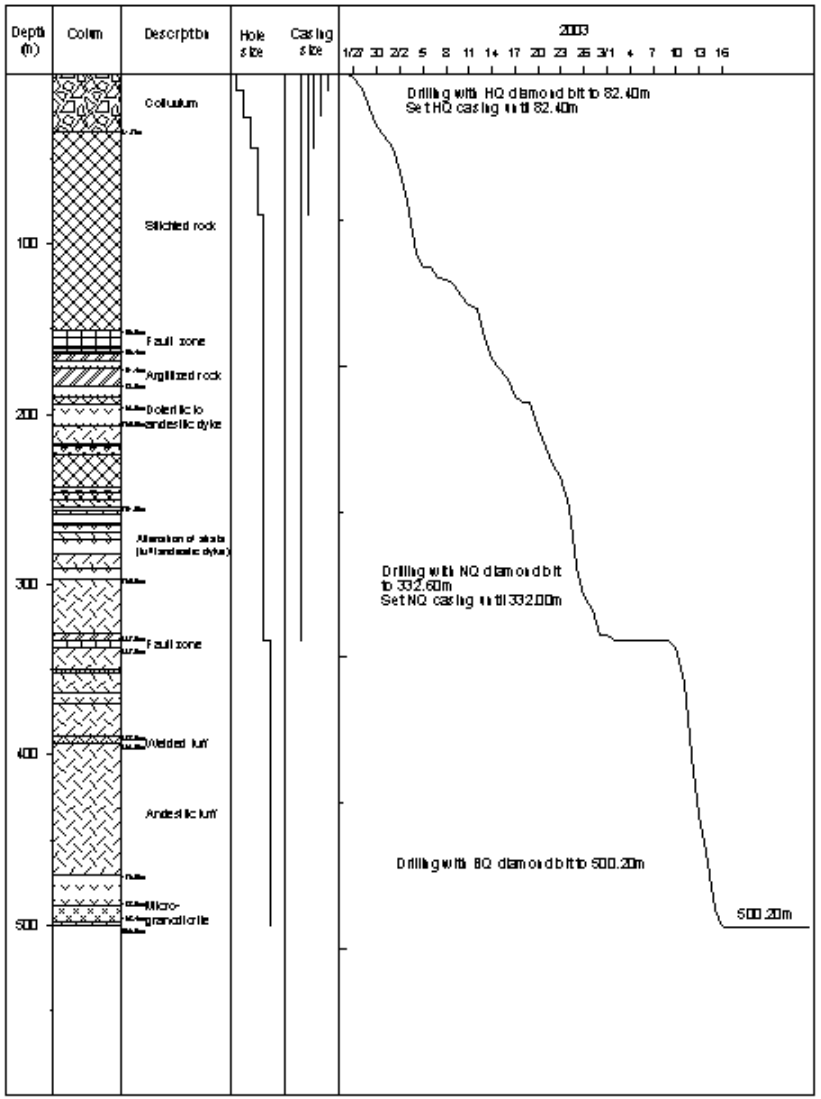
Appendix 15 (1) Drilling Equipments and consumed material

Hole No.	MJME-M1	MJME-M2
Rig Model Maker	SKB 5 (2000 type) Made in Russia	SKB 5 (2000 type) Made in Russia
Drilling capacity of wire line coring NQ size BQ size	 500 m 800 m	 500 m 800 m
Angle hole drilling capacity	60° – 90°	60°- 90°
Circulation pump	32.5 GPM NAS-5 (6 kw) Made in Japan	32.5 GPM NAS-5 (6 kw) Made in Japan
Bit: NQ Bit: BQ	11 pics	14 pics 2 pics
Light Oil (l)	9600 L	18300 L
Mud (kg)	1500 kg	8000 kg

Appendix 15 (2) Progress record of drilling from January 2003 to March 2003

Hole No.	MJME-M1	MJME-M2
Preparation	1/11 to 1/16	1/23 to 1/27
Day	6	4
Drilling	1/17 to 2/19	1/27 to 3/16
Day	34	46
Removing	2/19 to 2/24	2/19 to 2/24
Day	4	6
Total days	44	56
Planned depth (m)	500m	500m
Drilling depth (m)	501.80m	500.20m
Overburden (m)	56.20m	34.20m
Core length (m)	456.64m	431.15m
Recovery (%)	90.98 %	86.20 %
146mm casing (m)	8.70m	9.70m
127mm casing (m)	18.00m	25.20m
112mm casing (m)	27.50m	43.20m
HQ casing (m)	56.40m	82.40m
NQ casing (m)		332.20m
meter/day (m)	14.76m	10.87m
meter/total day (m)	11.40m	8.93m


MJME-M1
Depth (m)
Colum
Description
Hole size
Casing size
2003
1/17 19 21 23 25 27 29 31 2/2 4 6 8 10 12 14 16 18
Drilling with HQ diamond bit to 56.40m
Set HQ casing until 56.40m
Colluvium
Silicified andesitic tuff
Micro-granodiorite
Diorite to andesite porphyry
Granodiorite
Drilling with NQ diamond bit to 501.80m
501.80m
100
200
300
400
500


MJME-M2
Depth (m)
Colum
Description
Hole size
Casing size
2003
1/27 30 2/2 5 8 11 14 17 20 23 26 3/1 4 7 10 13 16
Drilling with HQ diamond bit to 82.40m
Set HQ casing until 82.40m
Colluvium
Silicified rock
Fault zone
Argillized rock
Doleritic to andesitic dyke
Alteration of strata (to silicified andesitic dyke)
Drilling with NQ diamond bit to 332.60m
Set NQ casing until 332.00m
Fault zone
Welded tuff
Andesitic tuff
Micro-granodiorite
Drilling with BQ diamond bit to 500.20m
500.20m
100
200
300
400
500

Appendix 16　Results of laboratorial tests related to drilling survey

(1) Description of thin section
(2) Description of polished thin section
(3) Results of X-ray diffraction analyses
(4) Ore grade assay results
(5) Results of homogenization temperature and salinity of fluid inclusion samples
(6) Resistivity and chargeability of drilling core samples

Appendix 16 (1) Description of thin section

Ser. No.	Hole No.	Core sample depth (m)		Rock Name	Geological Unit	Texture	Phenocrysts, crystals												Secondary Minerals														Remarks
		from	to				quartz	K-feldspar	plagioclase	muscovite	biotite	hornblende	clinopyroxene	orthopyroxene	apatite	zircon	glass	opaque minerals	quartz	muscovite	biotite	sericite	chlorite	epidote	allanite	actinolite	kaolinite	clinozoicite	carbonate	rutile	pyrite	limonite	opaque minerals	
1	MJME-M1	84.95		Trachytic andesitic tuff	α β anT2-J1	cryptocrystalline intersetal	・	△	◎				・						○			△	・	△							・			
2	MJME-M1	109.35		Dolerite dyke	dyke	ophytic cryptocrystalline	△		◎			◎	△					・				・	○	○										tremolite(△)
3	MJME-M1	131.45		Micro-granodiorite	dyke	poikilitic	・	・	○			◎	△	△	・			・				△	△	・					・		△		・	
4	MJME-M1	240.00	240.05	Diorite porphyry	δ 1T1s	porphyritic	・	△	◎		・	○	△									△	・	△		△			・		△		・	
5	MJME-M1	315.60	315.70	Granodiorite	γ δ 1T1s	hypidiomprphic granular	○	・	◎			△	△		・			・				△	△	△		・								
6	MJME-M1	321.00	321.05	Granodiorite	γ δ 1T1s	hypidiomprphic granular	○	△	◎			△			△			・				・	△	・		・					・		・	
7	MJME-M2	39.20	39.25	Silicified tuff with pyrite dissemination	α β anT2-J1	intersetal	・		△				・						○			△	・	・							△	△	・	tremolite(・)
8	MJME-M2	111.70	111.75	Andesite to porphyry	dyke	porphyritic	△		◎				・						△			△	・								・		・	
9	MJME-M2	115.70	115.80	Argillized & silicified rock	AZ	cryptocrystalline			・										○			◎	・								△		△	
10	MJME-M2	284.00	284.05	Silicifed ansesitic tuff	α β anT2-J1	intersetal	△		○				・					・	△			◎	△						△		△		・	
11	MJME-M2	350.55	350.60	Andesitic wellded tuff	α β anT2-J1	cryptocrystalline	△												○			◎	○								△	・	△	
12	MJME-M2	380.05	380.15	Andesitic tuff with hematitization	α β anT2-J1	pyroblastic													○			◎	△						・		・	△	・	hematite(○)
13	MJME-M2	429.80	429.85	Andesitic tuff	α β anT2-J1	cryptocrystalline	△		◎										○			○	△	△					△		・	・	△	

◎: abundant, ○: commonn, △: a little, ・: rare

Appendix 16 (2) Description of polished thin section

Ser. No.	Hole No.	Core sample depth (m)		Rock Name	Description	Phenocrysts, crystals										Secondary Minerals												Ore Minerals												Remarks
		from	to			quartz	K-feldspar	plagioclase	biotite	hornblende	orthopyroxene	clinopyroxene	apatite	zircon	opaque minerals	quartz	K-feldspar	muscovite	biotite	sericite	chlorite	epidote	actinolite	kaolinite	andalusite	zeolite	carbonate	pyrite	goethite	hematite	limonite	magnetite	chalcopyrite	chalcocite	covellite	bornite	azurite	shalerite	galena	pyrrhotite	
1	MJME-M1	261.55	261.60	andesite porphyry	Pyrite and chalcopyrite dissemination in andesite porphyry		・	◎				○				・				△	・	・				・		・		・		・	・								
2	MJME-M1	334.60	334.70	Epidote-Chlorite vein with pyrite	Epidote-Chlorite vein with pyrite	・	・									・				・	△	◎					○	○					△					・		
3	MJME-M1	347.80	347.90	Chalcopyrite spots in epidote-quartz vein	Chalcopyrite spots in epidote-quartz vein	△	△	・								○					△	○					△	○					◎					・		
4	MJME-M1	369.30	369.35	Chalcopyrite spots in epidote-chlorite-calcite-quartz vein	Chalcopyrite spots in epidote-chlorite-calcite-quartz vein	・	・	○				△				・					△	△				・	・	○		・		・	△							
5	MJME-M1	418.40	418.50	silicified-epidotized granodiorite	Chalcopyrite dissemination in silicified-epidotized granodiorite	○	・	△							・	○				・	△	△				・	△	・		・		・	◎				・			
6	MJME-M1	499.40	499.50	Chalcopyrite spots in epidote-chlorite-quartz vein	Chalcopyrite spots in epidote-chlorite-quartz vein	△	△	○		・						・				△	△	△				・	・	・		・		△	◎							
7	MJME-M2	64.00	64.05	silicified rock with brecciation	Pyrite dissemination in silicified rock with brecciation										・	△				○	・					○		○		○										
8	MJME-M2	83.95	84.00	silicified rock with brecciation	Pyrite dissemination in silicified rock with brecciation	・	・								・	○				○	・					△		○		△										
9	MJME-M2	106.40	106.45	Pyrite dissemination and chalcopyrite spots in quartz vein	Pyrite dissemination and chalcopyrite spots in quartz vein											△				△	△					△		○		△	△		△				△			
10	MJME-M2	119.70	119.75	silicified rock	Chalcopyrite and pyrite dissemination in silicified rock											◎				◎	・					・		○		・		・	・							
11	MJME-M2	380.60	380.70	silicified tuff	Spotted pyrite in silicified tuff											◎				◎						△		◎		△										
12	MJME-M2	392.35	392.45	strong silicified rock	Cubic pyrite in strong silicified rock											◎		△		◎						○		◎	○	○						△				gypsum(△), flourite(・)
13	MJME-M2	395.20	395.30	silicified rock with brecciation	Pyrite dissemination in silicified rock with brecciation											○		△		◎						△		◎		△										
14	MJME-M2	406.90	406.95	silicifoed-sericitized rock	Reddish mineral(?) in silicifoed-sericitized rock			・								○		△		◎	△					○	△	◎		○	△						・			gypsum(△)
15	MJME-M2	410.95	411.00	sheared tuff	Gypsum vein in sheared tuff											○				◎						○		◎		○							・			gypsum(△)
16	MJME-M2	462.15	462.25	silicified tuff	Chalcopyrite-pyrite-quartz sulphide vein in silicified tuff	・		○								○				△	・	△				△		◎		△	○		○							
17	MJME-M2	499.45	499.50	silicified tuff with quartz veins	Chalcopyrite-pyrite dissemination in silicified tuff with quartz veins											○				◎	△	△				△		○		△	△		△							
18	MJME-M2	104.50	104.55	silicified tuff with quartz veins	Chalcopyrite-calcocite in and along quartz vein (1 cm) in sil. tuff											◎				△						・		○		・	△		△				・	○	/	
19	MJME-M2	217.20	217.30	sil.-K altered rock	Py dissem. in sil.-K alteration rock with blue mineral (anhydrite?)											◎		・		○						△		◎		△	△					△				
20	MJME-M2	244.25	244.40	silicified tuff	Cpy-hematite vein in silicified tuff with py diss.											△		△		◎	○					◎		△		◎	△		△							

◎: abundant, ○: commonn, △: a little, ・: rare

Appendix 16 (3) Results of X-ray diffraction analyses (1/2)

Ser. No.	Hole No.	Core sample depth (m) from	to	Rock Name	Geological Unit	Description	Silicate Minwrals				Other Minerals											Other Minerals		
								Feldspar																
							Quartz	plagioclase	K-feldspar	hornblende	chlorite	sericite	kaolin	epidote	clinoptilolite	stellerite	laumontite	stilbote	analcite	pyrophyllite	gypsum	pyrite	goethite	hematite
1	MJME-M1	54.00	55.00	Andesitic tuff	$\alpha\beta$ tfT2~J1	weak sil., mod. chl., moderate sericite, weak py. veins and diss.	11.4	10.3			1.3	1.0												
2	MJME-M1	60.00	60.05	Andesitic tuff	$\alpha\beta$ tfT2~J1	weak sil., mod. chl., moderate sericite, weak py. veins and diss.	11.8	11.1			3.4	0.4												
3	MJME-M1	80.00	80.05	Andesitic tuff	$\alpha\beta$ tfT2~J1	weak sil., mod. chl., moderate sericite, weak py. veins and diss.	11.7	10.6			1.9	1.0												
4	MJME-M1	82.40	82.50	Andesitic tuff	$\alpha\beta$ tfT2~J1	weak sil., mod. chl., moderate sericite, weak py. veins and diss.	23.2	8.2			0.9	3.2												
5	MJME-M1	94.00	94.40	Andesitic tuff	$\alpha\beta$ tfT2~J1	moderate sil., weak chlorite, moderate sericite, weak pyrite dissemination.	5.9	4.7				1.7				9.0								
6	MJME-M1	100.00	100.05	Andesitic tuff	$\alpha\beta$ tfT2~J1	weak sil., mod. chl., moderate sericite, weak py. veins and diss.	10.7	14.9			3.9	2.0												
7	MJME-M1	120.15	120.20	Microgranodiorite	δ 1T1s	moderate chlorite, weak sericite, weak epidote, very weak pyrite dissemination	0.6	10.6			4.9													
8	MJME-M1	140.00	140.05	Microgranodiorite	δ 1T1s	brecciation, moderate sil., white clay veins, weak sericite, moderate chlorite, very weak pyrite dissemination	1.1	13.3		2.7	3.3											0.6		
9	MJME-M1	160.05	160.10	Andesitic tuff	$\alpha\beta$ tfT2~J1	moderate silicification, clay veins, qtz veins, moderate sericite, weak chlorite, weak epidote, weak pyrite dissemination.	21.1	19.7			0.9	0.7												
10	MJME-M1	180.08	180.10	Microgranodiorite	δ 1T1s	white clay veins, weak sericite, weak chlorite, weak epidote, weak pyrite dissemination.	1.4	12.8		3.3	3.9											0.4		
11	MJME-M1	199.98	200.00	Diorite porphyry	$\gamma\delta$ 2P2~T1s	moderate chlorite, weak epidote, very weak pyrite dissemination	3.4	12.1		4.6	3.4													
12	MJME-M1	220.05	220.10	Microgranodiorite	δ 1T1s	white clay veins, weak chlorite, weak epidote, weak pyrite dissemination.		11.3		2.6	5.3				2.6									
13	MJME-M1	240.05	240.10	Diorite porphyry	$\gamma\delta$ 2P2~T1s	white clay veins, qtz veinlets, moderate chlorite, weak epidote, very weak pyrite dissemination	3.4	13.3		4.1	0.7	5.0												
14	MJME-M1	260.05	260.10	Diorite porphyry	$\gamma\delta$ 2P2~T1s	white clay veins, qtz veinlets, moderate chlorite, weak epidote, pyrite dissemination	8.3	13.3		4.1	2.9	2.1										2.6		
15	MJME-M1	280.20	280.25	Granodiorite	$\gamma\delta$ 2P2~T1s	clay veinlets, moderate chlorite, weak epidote, very weak pyrite dissemination	2.9	15.0		3.9	4.0													
16	MJME-M1	300.05	300.10	Granodiorite	$\gamma\delta$ 2P2~T1s	clay veinlets, weak chlorite, weak epidote	8.3	11.1		1.3	3.4	0.7												
17	MJME-M1	320.30	320.35	Granodiorite	$\gamma\delta$ 2P2~T1s	clay veinlets, weak chlorite, weak epidote	4.9	15.7		3.6	3.7													
18	MJME-M1	340.00	340.05	Granodiorite	$\gamma\delta$ 2P2~T1s	clay veinlets, weak chlorite, weak epidote	0.6	27.1		3.6	9.3													
19	MJME-M1	360.05	360.10	Granodiorite	$\gamma\delta$ 2P2~T1s	weak chlorite, strong epidote, moderate pyrite dissemination	3.4	8.3		4.9	2.1			2.4								0.7		
20	MJME-M1	380.05	380.10	Granodiorite	$\gamma\delta$ 2P2~T1s	weak chlorite, weak epidote, weak pyrite dissemination	3.3	12.6		3.9	6.0													
21	MJME-M1	400.05	400.10	Granodiorite	$\gamma\delta$ 2P2~T1s	calcite-clay veinlets, weak sericite, weak chlorite, weak epidote, weak pyrite dissemination	2.7	19.4		4.1	3.0	0.4												
22	MJME-M1	400.25	400.30	Granodiorite	$\gamma\delta$ 2P2~T1s	moderate chlorite, strong epidotization	5.4	3.4			6.0					13.1								
23	MJME-M1	409.60	409.60	Granodiorite	$\gamma\delta$ 2P2~T1s	epidote-calcite network veinlets,								2.8		53.1								
24	MJME-M1	420.20	420.25	Granodiorite	$\gamma\delta$ 2P2~T1s	weak sericite, weak chlorite, weak epidote, weak pyrite dissemination	6.8	19.3		4.3		8.1												
25	MJME-M1	440.10	440.15	Granodiorite	$\gamma\delta$ 2P2~T1s	K-fel veinlets, epi-chl veinlets, weak chlorite, weak epidote, weak pyrite dissemination, pyrite veinlets	3.4	13.8	2.7	1.1	4.5													
26	MJME-M1	460.05	460.10	Granodiorite	$\gamma\delta$ 2P2~T1s	epidote veins, epi-chl veinlets, brownish clay veinlets, weak sericite, weak chlorite, weak epidote, k-fel veinlets	2.1	14.0	3.7		2.8	0.6												
27	MJME-M1	480.20	480.25	Granodiorite	$\gamma\delta$ 2P2~T1s	epidote veins, epi-chl veinlets, brownish clay veinlets, weak sericite, weak chlorite, weak epidote, K-alteration	1.9	16.4	6.4	5.1	2.3													
28	MJME-M1	500.00	500.05	Granodiorite	$\gamma\delta$ 2P2~T1s	epidote veins, epi-calcite veinlets, brownish clay veinlets, weak sericite, mooderate chlorite, weak epidote, K-alteration	6.2	9.0	1.8	1.8	4.6	0.9												
29	MJME-M1	501.75	501.80	Granodiorite	$\gamma\delta$ 2P2~T1s	epidote veins, epi-calcite veinlets, brownish clay veinlets, weak sericite, mooderate chlorite, weak epidote, K-alteration	9.5	9.9	2.3	3.2	1.9	0.5												
30	MJME-M2	40.00	40.05	str. sil.-rock with py. diss.	AZ	mod. silicification, mod. argillization, strong sericitization, weak chloritization, mod. pyritization	28.5	28.5			3.1	1.3										1.6		

Appendix 16 (3) Results of X-ray diffraction analyses (2/2)

Ser. No.	Hole No.	Core sample depth (m) from	to	Rock Name	Geological Unit	Description	Silicate Minwrals				Other Minerals											Other Minerals		
								Feldspar																
							Quartz	plagioclase	K-feldspar	hornblende	chlorite	sericite	kaolin	epidote	clinoptilolite	stellerite	laumontite	stilbote	analcite	pyrophyllite	gypsum	pyrite	goethite	hematite
31	MJME-M2	60.00	60.05	str. sil.-rock with py. diss.	AZ	brecciated structure, mod. silicification, mod. argillization, strong sericitization, weak chloritization, mod. pyritization	23.8	23.8			2.3	2.6										5.2		
32	MJME-M2	79.75	79.80	str. sil.-rock with py. diss.	AZ	brecciated structure, mod. silicification, mod. argillization, strong sericitization, weak chloritization, mod. pyritization	18.3	18.3			3.1	2.1										2		
33	MJME-M2	100.00	100.05	str. sil.-rock with py. diss.	AZ	str. silicification, mod. argillization, strong sericitization, mod. pyritization	25.1	25.1	0.6		0.8	7.6										1.4		
34	MJME-M2	109.00	109.05	str. sil. argi. rock	AZ	str. silicification, mod. argillization, strong sericitization, mod. pyritization, pyrite veinlets, fluorite veinlets	37.3					1.7	2.5											
35	MJME-M2	114.35	114.40	str. sil.-argi-rock with py. diss.	AZ	mod. silicification, strong. argillization, strong sericitization, weak pyritization, hematite vein	35.4				5.8									8.0				
36	MJME-M2	116.95	117.00	brecciated, strongly sil.-rock	AZ	very strong. silicification, strong. argillization, weak pyritization, qtz. vein	80.4																	
37	MJME-M2	119.00	119.05	str. sil.-rock with py. diss.	AZ	very strong silicification, mod. pyritization, pyrite veinlets, weak chalcopyrite dissemination	68.9																	1.4
38	MJME-M2	119.90	119.95	str. sil.-rock with py. diss.	AZ	(granitic rock?), very str. silicification, weak argillization, weak sericitization, qtz. network, weak pyrite disemination and pyrite veinlets, fluorite veinlets	63.8	63.8	0.7													0.8		
39	MJME-M2	140.15	140.20	str. sil.-rock with py. diss.	AZ	brecciation, very str. Sil., weak sericite, weak chlorite, qtz. network, weak pyrite disemination, hematite-chlorite-specurralite veinlets	78.1	78.1	1.4		1.8													
40	MJME-M2	160.40	160.45	greenish grey, sil. tuff	AZ	mod. argillization, qtz. network, weak sericute, mod. argilization, weak pyritization, quartz-hematite veinlets	20.2	20.2	0.7		4.2	3.7			1.3							0.6		
41	MJME-M2	180.00	180.05	brownish grey tuff	AZ	weak sil. , pink clay veins, weak sericite, mod. chlorite, weak pyrite veins and dissemination	15.4	15.4			4.4	1.1										4.2		
42	MJME-M2	199.00	199.05	sil., tuff breccia	AZ	greenish grey, weak sil. , pink clay veins, weak chl., weak py. veins.	28.5					8.9												
43	MJME-M2	220.00	220.05	sil., tuff breccia	AZ	andesitic, brecciated structure, very str. silicification, mod. argillization, strong sericitization, qtz. network, strong argilization, weak pyritization	22.2				1.3	7.0										4.4		
44	MJME-M2	240.10	240.15	strongly sil.-rock	AZ	very str. Silicif., pinkish ckay in fractures, mod. argillization, weak sericitization, strong argilization, mod. pyritization	88.0																	
45	MJME-M2	258.00	258.05	greenish grey, sil. tuff	AZ	hematitization, mod. Sil., quartz veinles, weak sericitization and chloritization	19.6				5.1	3.2												
46	MJME-M2	280.00	280.05	andesite to dolerite	dyke	qtz veinlets, mod. Chl. And weak epi.		17.7		17.7	8.2											0.6		
47	MJME-M2	300.00	300.05	sil.-ser. tuff	AZ	brecciated, mod. silicification, weak argillization, mod. sericitization, stockwork sulphide, pyrophyrite veins, mod. pyritization	30.4				2.5	16.5							1.3					
48	MJME-M2	320.00	320.05	sil.-ser. tuff	AZ	brecciated, mod. silicification, weak argillization, mod. sericitization, stockwork sulphide, hematitization, pyrophyrite veins, mod. pyritization	25.3				8.9	3.8												
49	MJME-M2	340.00	340.05	sil.-ser. tuff	AZ	brecciated, mod. silicification, mod. argillization, weak. sericitization, fluorite veins	31.0				5.1	6.3									1.9			
50	MJME-M2	360.00	360.05	sil.-ser. tuff	AZ	weak silicif., mod. Sericitization, mod. chloritization, mod. Epidotization	29.8				5.1	3.2									5.7			
51	MJME-M2	380.00	380.05	sil.-ser. tuff	AZ	weak silicif., mod. sericitization, mod. chloritization, mod. epidotization	25.9				2.5	9.5									5.1			
52	MJME-M2	400.15	400.20	sheared tuff	AZ	brecciation, mod. silicif., mod sericitization, strong argilization, weak pyritization, gypsum, qtz. Veinlet, fluorite veinlet	26.6	5.1		5.1							8.5				11.4			
53	MJME-M2	420.30	420.35	sil.-ser. tuff	AZ	mod. silicif., mod sericitization, weak pyritization, gypsum, qtz. Veinlet, fluorite veinlet	14.2					19.0									5.5	4.5		
54	MJME-M2	440.05	440.10	silicifed tuff	AZ	brecciation, mod. silicif., weak sericitization, strong pyritization, gypsum, qtz. veinlet, fluorite veinlet	14.2	11.6		11.6							3.3	2.5						
55	MJME-M2	460.00	460.05	silicifed tuff	AZ	weak silicif., weak sericitization, weak chloritization, weak pyritization, gypsum, chl.-epi.-qtz. Veinlet	9.6	5.8		5.8	4.4													
56	MJME-M2	480.00	480.05	silicifed tuff	AZ	weak silicif., weak sericitization, weak chlorite, mod. pyritization, gypsum, qtz.-epi-chl. veinlet,gypsum veinlet	5.1				6.3						5.1				4.4			
57	MJME-M2	491.40	491.45	Microgranodiorite	dyke	weak chlorite, weak epidote, qtz.-epi-chl. veinlet, gypsum veinlet		15.2		15.2	3.2										8.0			
58	MJME-M2	500.15	500.20	silicifed tuff	AZ	mod. silicif., weak chlorite, mod. pyritization, qtz.-epi-chl. veinlet	19.6	9.5		9.5	6.3													

Appendix 16 (4) Ore assay results for drilling core of MJME-M1 and MJME-M2 (1/11)

Ser. No.	Hole No.	Core sample depth (m) from	to	Core length (m)	Description	Au g/t	Ag g/t	As %	Cu %	Mo %	Pb %	Zn %	S %	SiO2 %	Fe %
1	MJME-M1	56.00	58.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.006	0.004	0.14	54.5	3.29
2	MJME-M1	58.00	60.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.007	0.004	0.03	55.9	3.77
3	MJME-M1	60.00	62.00	2.00	Andesitic tuff	<0.01	<5	0.001	<0.001	<0.001	0.006	0.003	0.03	56.0	3.16
4	MJME-M1	62.00	64.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.007	0.004	0.04	55.4	2.85
5	MJME-M1	64.00	66.00	2.00	Andesitic tuff with pyrite veinlets	<0.01	<5	0.001	<0.001	<0.001	0.007	0.005	0.06	52.7	4.52
6	MJME-M1	66.00	68.00	2.00	Andesitic tuff with pyrite veinlets	<0.01	<5	<0.001	<0.001	<0.001	0.006	0.003	0.06	51.1	3.86
7	MJME-M1	68.00	70.00	2.00	Andesitic tuff with pyrite veinlets	<0.01	<5	<0.001	<0.001	<0.001	0.008	0.006	0.12	56.3	3.19
8	MJME-M1	70.00	72.00	2.00	Andesitic tuff with pyrite veinlets	<0.01	<5	<0.001	<0.001	<0.001	0.007	0.004	0.13	55.2	2.96
9	MJME-M1	72.00	74.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.005	0.004	0.22	54.0	3.27
10	MJME-M1	74.00	76.00	2.00	Andesitic tuff with epidote vein and limonite veins	<0.01	<5	<0.001	0.001	<0.001	0.018	0.017	0.14	53.5	3.64
11	MJME-M1	76.00	78.00	2.00	Andesitic tuff	<0.01	<5	<0.001	0.001	<0.001	0.007	0.007	0.16	54.5	3.44
12	MJME-M1	78.00	80.00	2.00	Epidotized andesitic tuff	<0.01	<5	0.001	<0.001	<0.001	0.005	0.003	0.09	54.0	3.56
13	MJME-M1	80.00	82.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.006	0.004	0.09	54.1	3.61
14	MJME-M1	82.00	84.00	2.00	Strong silicified, andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.008	0.006	0.03	56.0	1.65
15	MJME-M1	84.00	86.00	2.00	Strong silicified, andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.007	0.008	0.14	56.0	2.93
16	MJME-M1	86.00	88.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.007	0.003	0.06	54.2	3.76
17	MJME-M1	88.00	90.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.007	0.004	0.03	54.6	3.61
18	MJME-M1	90.00	92.00	2.00	Andesitic tuff with epidote vein and kaolinite veins	<0.01	<5	<0.001	<0.001	<0.001	0.007	0.003	0.06	53.7	2.90
19	MJME-M1	92.00	94.00	2.00	Andesitic tuff with epidote vein and kaolinite veins	<0.01	<5	<0.001	<0.001	<0.001	0.007	0.003	0.04	53.4	2.53
20	MJME-M1	94.00	96.00	2.00	Andesitic tuff with epidote vein and kaolinite veins	<0.01	<5	<0.001	<0.001	<0.001	0.006	0.002	0.02	57.7	2.02
21	MJME-M1	96.00	98.00	2.00	Andesitic tuff with epidote vein and kaolinite veins	<0.01	<5	<0.001	<0.001	<0.001	0.009	0.007	0.07	57.0	2.56
22	MJME-M1	98.00	100.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.009	0.006	0.07	55.7	2.82
23	MJME-M1	100.00	102.00	2.00	Andesitic tuff with qtz-epi-chl veins	<0.01	<5	<0.001	0.001	<0.001	0.008	0.007	0.06	53.3	2.50
24	MJME-M1	102.00	104.00	2.00	Andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.008	0.006	0.19	45.9	4.54
25	MJME-M1	104.00	106.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.008	0.006	0.03	60.1	1.96
26	MJME-M1	106.00	108.00	2.00	Andesitic tuff/dolerire dyke	<0.01	<5	<0.001	0.003	<0.001	0.007	0.010	0.07	48.8	4.60
27	MJME-M1	108.00	110.00	2.00	Dolerire dyke	<0.01	<5	<0.001	0.005	<0.001	0.007	0.012	0.11	39.3	6.70
28	MJME-M1	110.00	112.45	2.45	Andesitic tuff/dolerire dyke	<0.01	<5	<0.001	0.004	<0.001	0.007	0.010	0.12	43.8	6.13
29	MJME-M1	112.80	114.00	1.20	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.007	0.010	0.09	58.0	6.22
30	MJME-M1	114.00	116.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.004	<0.001	0.006	0.010	0.06	56.5	6.12
31	MJME-M1	116.00	118.00	2.00	Microgranodiorite/dolerire dyke	<0.01	<5	<0.001	0.004	<0.001	0.007	0.009	0.10	55.3	5.86
32	MJME-M1	118.00	120.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.006	0.009	0.11	52.1	6.04
33	MJME-M1	120.00	122.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.006	<0.001	0.009	0.027	0.11	52.0	6.15
34	MJME-M1	122.00	124.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.006	0.009	0.07	48.9	6.00
35	MJME-M1	124.00	126.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.007	0.009	0.06	46.5	5.81
36	MJME-M1	126.00	128.00	2.00	Microgranodiorite/dolerire dyke	<0.01	<5	<0.001	0.004	<0.001	0.006	0.009	0.07	48.7	5.78
37	MJME-M1	128.00	130.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.005	0.009	0.08	50.3	5.75
38	MJME-M1	130.00	132.00	2.00	Microgranodiorite with pyrite dissemination	<0.01	<5	<0.001	0.005	<0.001	0.008	0.010	0.07	45.4	5.87
39	MJME-M1	132.00	134.00	2.00	Microgranodiorite with pyrite dissemination	<0.01	<5	<0.001	0.005	<0.001	0.007	0.010	0.07	45.5	5.97
40	MJME-M1	134.00	136.00	2.00	Microgranodiorite with pyrite dissemination	<0.01	<5	<0.001	0.005	<0.001	0.007	0.010	0.11	43.0	5.90
41	MJME-M1	136.00	138.00	2.00	Microgranodiorite with pyrite dissemination	<0.01	<5	<0.001	0.005	<0.001	0.006	0.010	0.08	43.9	6.14
42	MJME-M1	138.00	140.00	2.00	Breccisted microgranodiorite/tuff	<0.01	<5	<0.001	0.003	<0.001	0.007	0.010	0.09	46.1	5.66
43	MJME-M1	140.00	142.00	2.00	Brecciated andesitic tuff	<0.01	<5	<0.001	0.004	<0.001	0.008	0.010	0.12	43.2	6.07
44	MJME-M1	142.00	144.00	2.00	Brecciated andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.009	0.010	0.06	50.3	4.25
45	MJME-M1	144.00	146.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.005	0.002	0.04	56.7	2.52
46	MJME-M1	146.00	148.00	2.00	Andesitic tuff	<0.01	<5	0.001	<0.001	<0.001	0.006	0.003	0.05	56.6	2.03
47	MJME-M1	148.00	150.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.009	0.005	0.10	57.3	2.94
48	MJME-M1	150.00	152.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.005	0.002	0.05	57.9	2.30
49	MJME-M1	152.00	154.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.006	0.002	0.03	57.9	2.35
50	MJME-M1	154.00	156.00	2.00	Andesitic tuff/dolerire dyke	<0.01	<5	<0.001	0.002	<0.001	0.006	0.005	0.13	49.8	4.42
51	MJME-M1	156.00	158.00	2.00	Andesitic tuff/dolerire dyke	<0.01	<5	<0.001	0.003	<0.001	0.007	0.008	0.14	56.7	5.25
52	MJME-M1	158.00	160.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.007	0.002	0.06	54.4	2.21
53	MJME-M1	160.00	162.00	2.00	Andesitic tuff	<0.01	<5	0.001	<0.001	<0.001	0.005	0.003	0.04	53.2	2.01
54	MJME-M1	162.00	164.00	2.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.008	0.004	0.06	60.3	2.13
55	MJME-M1	164.00	167.00	3.00	Andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.007	0.003	0.17	58.0	3.70
56	MJME-M1	167.00	168.00	1.00	Microgranodiorite	<0.01	<5	0.001	0.005	<0.001	0.007	0.009	0.11	45.8	5.75
57	MJME-M1	168.00	170.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.006	0.009	0.11	48.6	5.58
58	MJME-M1	170.00	172.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.007	0.009	0.12	48.4	5.60
59	MJME-M1	172.00	174.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.007	0.010	0.11	47.6	5.78
60	MJME-M1	174.00	176.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.007	0.010	0.09	45.0	5.91

Appendix 16 (4) Ore assay results for drilling core of MJME-M1 and MJME-M2 (2/11)

Ser. No.	Hole No.	Core sample depth (m) from	to	Core length (m)	Description	Au g/t	Ag g/t	As %	Cu %	Mo %	Pb %	Zn %	S %	SiO2 %	Fe %
61	MJME-M1	176.00	178.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.006	<0.001	0.006	0.007	0.20	38.5	5.47
62	MJME-M1	178.00	180.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.006	0.009	0.13	45.0	5.64
63	MJME-M1	180.00	182.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.006	0.009	0.12	50.7	5.73
64	MJME-M1	182.00	184.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.006	0.010	0.08	49.3	5.74
65	MJME-M1	184.00	186.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.008	0.010	0.09	47.7	5.83
66	MJME-M1	186.00	188.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.008	0.010	0.09	46.1	5.80
67	MJME-M1	188.00	190.90	2.90	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.008	0.009	0.12	43.8	5.63
68	MJME-M1	190.90	194.30	3.40	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.007	0.013	0.07	47.5	5.79
69	MJME-M1	194.30	196.00	1.70	Microgranodiorite/Diorite porphyry	<0.01	<5	<0.001	0.004	<0.001	0.008	0.012	0.06	46.4	5.72
70	MJME-M1	196.00	198.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.003	<0.001	0.008	0.014	0.05	46.1	5.61
71	MJME-M1	198.00	199.85	1.85	Diorite porphyry	<0.01	<5	<0.001	0.005	<0.001	0.007	0.011	0.13	43.9	5.44
72	MJME-M1	200.00	202.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.005	<0.001	0.007	0.011	0.08	50.2	5.64
73	MJME-M1	202.00	204.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.005	<0.001	0.007	0.011	0.07	48.7	5.62
74	MJME-M1	204.00	206.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.011	<0.001	0.008	0.012	0.14	47.5	5.77
75	MJME-M1	206.00	208.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.005	<0.001	0.008	0.011	0.11	45.8	5.75
76	MJME-M1	208.00	210.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.007	<0.001	0.006	0.011	0.10	53.4	5.63
77	MJME-M1	210.00	212.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.007	<0.001	0.008	0.011	0.08	53.6	5.61
78	MJME-M1	212.00	214.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.004	<0.001	0.007	0.011	0.08	44.0	5.60
79	MJME-M1	214.00	215.00	1.00	Diorite porphyry	<0.01	<5	<0.001	0.005	<0.001	0.008	0.012	0.08	52.2	5.74
80	MJME-M1	215.00	216.00	1.00	Diorite porphyry/Microgranodiorite	<0.01	<5	<0.001	0.002	<0.001	0.007	0.009	0.09	52.0	5.72
81	MJME-M1	216.00	218.00	2.00	Microgranodiorite	<0.01	<5	0.001	0.005	<0.001	0.006	0.010	0.18	49.6	5.87
82	MJME-M1	218.00	220.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.006	0.010	0.14	43.3	6.07
83	MJME-M1	220.00	222.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.006	<0.001	0.006	0.010	0.09	44.3	5.94
84	MJME-M1	222.00	224.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.008	0.010	0.09	45.3	5.78
85	MJME-M1	224.00	226.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.007	0.010	0.08	45.0	5.88
86	MJME-M1	226.00	228.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.007	0.010	0.08	50.5	5.81
87	MJME-M1	228.00	230.00	2.00	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.006	0.010	0.08	49.0	5.88
88	MJME-M1	230.00	232.50	2.50	Microgranodiorite with calcite veins	<0.01	<5	<0.001	0.006	<0.001	0.007	0.009	0.15	47.8	5.91
89	MJME-M1	232.50	234.00	1.50	Andesitic tuff with calcite veins	<0.01	<5	<0.001	0.001	<0.001	0.007	0.006	0.18	50.0	2.88
90	MJME-M1	234.00	236.00	2.00	Andesitic tuff with calcite veins	<0.01	<5	<0.001	<0.001	<0.001	0.006	0.003	0.02	51.3	2.57
91	MJME-M1	236.00	238.00	2.00	Andesitic tuff/dolerire dyke	<0.01	<5	<0.001	<0.001	<0.001	0.004	0.009	0.04	42.4	3.87
92	MJME-M1	238.00	240.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.005	<0.001	0.006	0.012	0.06	47.9	5.93
93	MJME-M1	240.00	242.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.005	<0.001	0.006	0.011	0.07	49.6	5.75
94	MJME-M1	242.00	244.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.004	<0.001	0.007	0.012	0.06	54.4	5.67
95	MJME-M1	244.00	246.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.004	<0.001	0.008	0.012	0.08	51.1	5.78
96	MJME-M1	246.00	248.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.005	<0.001	0.006	0.012	0.07	52.0	5.88
97	MJME-M1	248.00	250.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.005	<0.001	0.007	0.012	0.07	48.3	5.68
98	MJME-M1	250.00	252.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.006	<0.001	0.010	0.012	0.07	46.3	5.71
99	MJME-M1	252.00	254.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.004	<0.001	0.009	0.012	0.56	46.9	5.74
100	MJME-M1	254.00	256.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.005	<0.001	0.006	0.012	0.08	44.7	5.75
101	MJME-M1	256.00	258.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.005	<0.001	0.007	0.012	0.07	52.2	6.13
102	MJME-M1	258.00	260.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.004	<0.001	0.007	0.011	0.08	53.7	5.96
103	MJME-M1	260.00	262.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.004	<0.001	0.007	0.012	0.08	52.7	6.15
104	MJME-M1	262.00	264.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.005	<0.001	0.006	0.012	0.08	52.8	6.10
105	MJME-M1	264.00	266.00	2.00	Diorite porphyry	<0.01	<5	<0.001	0.005	<0.001	0.006	0.011	0.07	52.9	6.04
106	MJME-M1	266.00	267.40	1.40	Diorite porphyry	<0.01	<5	<0.001	0.005	<0.001	0.007	0.011	0.09	53.3	6.15
107	MJME-M1	267.40	270.00	2.60	Granodiorite	<0.01	<5	0.002	0.001	<0.001	0.005	0.008	0.12	56.5	6.19
108	MJME-M1	270.00	272.00	2.00	Granodiorite	<0.01	<5	0.001	0.006	<0.001	0.007	0.007	0.05	56.1	6.78
109	MJME-M1	272.00	274.00	2.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.007	0.006	0.04	57.1	6.15
110	MJME-M1	274.00	276.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.006	0.007	0.05	56.4	6.40
111	MJME-M1	276.00	278.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.006	0.006	0.07	60.3	5.45
112	MJME-M1	278.00	280.00	2.00	Granodiorite	<0.01	<5	0.001	0.002	<0.001	0.006	0.008	0.08	56.6	6.73
113	MJME-M1	280.00	282.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.007	0.007	0.07	56.6	6.34
114	MJME-M1	282.00	284.00	2.00	Granodiorite	<0.01	<5	0.001	0.002	<0.001	0.006	0.006	0.19	55.6	6.13
115	MJME-M1	284.00	286.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.007	0.006	0.05	56.9	6.24
116	MJME-M1	286.00	288.00	2.00	Granodiorite	<0.01	<5	0.001	0.001	<0.001	0.006	0.006	0.07	58.9	5.80
117	MJME-M1	288.00	290.00	2.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.004	0.007	0.05	59.1	5.76
118	MJME-M1	290.00	292.00	2.00	Granodiorite	<0.01	<5	0.001	0.002	<0.001	0.002	0.008	0.15	56.9	5.96
119	MJME-M1	292.00	294.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.006	0.013	0.05	57.1	6.20
120	MJME-M1	294.00	296.00	2.00	Granodiorite	<0.01	<5	<0.001	0.001	<0.001	0.006	0.013	0.08	60.4	5.84

Appendix 16 (4) Ore assay results for drilling core of MJME-M1 and MJME-M2 (3/11)

Ser. No.	Hole No.	Core sample depth (m) from	to	Core length (m)	Description	Au g/t	Ag g/t	As %	Cu %	Mo %	Pb %	Zn %	S %	SiO2 %	Fe %
121	MJME-M1	296.00	298.00	2.00	Granodiorite	<0.01	<5	<0.001	0.001	<0.001	0.007	0.008	0.06	59.5	5.84
122	MJME-M1	298.00	300.00	2.00	Granodiorite	<0.01	<5	<0.001	0.001	<0.001	0.006	0.009	0.04	58.7	5.96
123	MJME-M1	300.00	302.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.007	0.007	0.04	58.7	5.92
124	MJME-M1	302.00	304.00	2.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.006	0.008	0.05	57.1	6.34
125	MJME-M1	304.00	306.00	2.00	Granodiorite/aprite dyke	<0.01	<5	0.001	0.002	<0.001	0.007	0.010	0.05	57.2	5.78
126	MJME-M1	306.00	308.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.007	0.014	0.06	55.7	6.21
127	MJME-M1	308.00	310.00	2.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.005	0.007	0.04	57.2	6.44
128	MJME-M1	310.00	312.00	2.00	Granodiorite	<0.01	<5	0.001	0.003	<0.001	0.006	0.007	0.04	57.3	6.18
129	MJME-M1	312.00	314.00	2.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.004	0.006	0.04	58.3	5.90
130	MJME-M1	314.00	316.00	2.00	Granodiorite/aprite dyke	<0.01	<5	<0.001	0.002	<0.001	0.004	0.004	0.06	63.8	4.23
131	MJME-M1	316.00	318.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.005	0.006	0.07	57.4	5.90
132	MJME-M1	318.00	320.00	2.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.005	0.005	0.08	57.6	5.77
133	MJME-M1	320.00	322.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.005	0.006	0.11	58.0	5.86
134	MJME-M1	322.00	324.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.005	0.005	0.04	61.1	4.86
135	MJME-M1	324.00	326.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.006	0.006	0.04	58.1	5.89
136	MJME-M1	326.00	328.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.004	0.006	0.05	58.2	5.82
137	MJME-M1	328.00	330.00	2.00	Granodiorite	<0.01	<5	<0.001	0.001	<0.001	0.006	0.008	0.06	55.9	5.48
138	MJME-M1	330.00	332.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.005	0.009	0.24	57.7	6.30
139	MJME-M1	332.00	334.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.006	0.008	0.11	57.4	6.04
140	MJME-M1	334.00	336.00	2.00	Granodiorite	<0.01	<5	0.003	0.003	<0.001	0.005	0.007	1.67	54.9	5.81
141	MJME-M1	336.00	337.00	1.00	Granodiorite	<0.01	<5	0.001	0.001	<0.001	0.006	0.007	0.48	55.3	5.49
142	MJME-M1	337.00	338.00	1.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.007	0.007	1.47	55.3	6.44
143	MJME-M1	338.00	339.00	1.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.004	0.007	0.14	57.2	5.56
144	MJME-M1	339.00	340.00	1.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.005	0.008	0.18	56.6	6.11
145	MJME-M1	340.00	341.00	1.00	Granodiorite	<0.01	<5	<0.001	<0.001	<0.001	0.008	0.006	1.37	51.5	6.87
146	MJME-M1	341.00	342.00	1.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.006	0.008	0.11	57.8	6.30
147	MJME-M1	342.00	343.00	1.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.006	0.006	0.10	63.6	4.62
148	MJME-M1	343.00	344.00	1.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.005	0.008	0.10	57.3	5.91
149	MJME-M1	344.00	346.00	2.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.006	0.007	0.06	57.9	5.66
150	MJME-M1	346.00	348.00	2.00	Granodiorite	<0.01	<5	<0.001	0.001	<0.001	0.005	0.009	0.18	57.6	6.31
151	MJME-M1	348.00	349.00	1.00	Granodiorite	<0.01	<5	<0.001	0.001	<0.001	0.007	0.010	0.27	55.0	7.17
152	MJME-M1	349.00	351.47	2.47	Microgranodiorite with sulphyde veins/Granodiorite	<0.01	<5	<0.001	0.001	<0.001	0.006	0.013	0.41	53.3	6.72
153	MJME-M1	351.47	353.00	1.53	Granodiorite	<0.01	<5	<0.001	0.001	<0.001	0.008	0.011	0.05	55.3	7.00
154	MJME-M1	353.00	354.00	1.00	Granodiorite	<0.01	<5	<0.001	<0.001	<0.001	0.008	0.012	0.06	55.3	6.21
155	MJME-M1	354.00	356.00	2.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.006	0.011	0.05	55.2	6.56
156	MJME-M1	356.00	358.00	2.00	Granodiorite with epidote veinlets	<0.01	<5	<0.001	0.004	<0.001	0.006	0.010	0.05	55.5	6.56
157	MJME-M1	358.00	360.00	2.00	Granodiorite with epidote veinlets	<0.01	<5	<0.001	0.005	<0.001	0.007	0.010	0.05	56.1	6.37
158	MJME-M1	360.00	361.00	1.00	Granodiorite with epidote veinlets	<0.01	<5	<0.001	0.004	<0.001	0.007	0.010	0.48	56.6	6.15
159	MJME-M1	361.00	362.00	1.00	Granodiorite	<0.01	<5	<0.001	0.001	<0.001	0.007	0.011	1.89	52.7	7.06
160	MJME-M1	362.00	363.00	1.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.006	0.009	0.92	57.0	6.24
161	MJME-M1	363.00	364.00	1.00	Granodiorite	<0.01	<5	<0.001	0.004	<0.001	0.007	0.009	0.58	54.0	6.98
162	MJME-M1	364.00	365.00	1.00	Granodiorite with pyrite veinlets and chalcopyrite spots	<0.01	<5	<0.001	0.017	<0.001	0.006	0.009	0.13	55.0	7.24
163	MJME-M1	365.00	366.00	1.00	Granodiorite	<0.01	<5	<0.001	0.004	<0.001	0.006	0.009	0.05	56.0	6.79
164	MJME-M1	366.00	367.00	1.00	Granodiorite	<0.01	<5	<0.001	0.009	<0.001	0.006	0.010	0.28	54.2	7.29
165	MJME-M1	367.00	368.00	1.00	Granodiorite	<0.01	<5	<0.001	0.008	<0.001	0.007	0.009	0.47	54.5	6.76
166	MJME-M1	368.00	369.00	1.00	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.008	0.010	0.30	55.7	6.79
167	MJME-M1	369.00	370.00	1.00	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.008	0.010	0.38	53.9	7.21
168	MJME-M1	370.00	371.00	1.00	Granodiorite with strong epidotization	<0.01	<5	<0.001	0.012	<0.001	0.011	0.015	0.10	52.6	7.82
169	MJME-M1	371.00	372.00	1.00	Granodiorite with strong epidotization	<0.01	<5	0.001	0.010	<0.001	0.021	0.022	0.08	54.8	6.69
170	MJME-M1	372.00	373.00	1.00	Granodiorite	<0.01	<5	<0.001	0.004	<0.001	0.007	0.010	0.09	55.9	6.60
171	MJME-M1	373.00	374.00	1.00	Granodiorite	<0.01	<5	0.001	0.001	<0.001	0.006	0.010	0.25	56.1	6.36
172	MJME-M1	374.00	375.00	1.00	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.005	0.011	0.51	53.6	6.51
173	MJME-M1	375.00	377.00	2.00	Granodiorite	<0.01	<5	<0.001	0.010	<0.001	0.020	0.009	0.40	54.7	6.83
174	MJME-M1	377.00	379.00	2.00	Granodiorite	<0.01	<5	<0.001	0.004	<0.001	0.006	0.010	0.08	53.7	7.19
175	MJME-M1	379.00	381.00	2.00	Granodiorite	<0.01	<5	0.002	0.005	<0.001	0.007	0.010	0.06	53.4	7.57
176	MJME-M1	381.00	383.00	2.00	Granodiorite with epidotization	<0.01	<5	<0.001	0.011	<0.001	0.008	0.013	0.25	53.3	7.74
177	MJME-M1	383.00	385.00	2.00	Granodiorite with py dissem. and epidote veins with cpy spots	<0.01	<5	<0.001	0.100	<0.001	0.007	0.011	0.62	53.6	8.08
178	MJME-M1	385.00	387.00	2.00	Granodiorite	<0.01	<5	<0.001	0.007	<0.001	0.006	0.009	0.08	50.6	7.62
179	MJME-M1	387.00	389.00	2.00	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.006	0.009	0.17	53.7	7.30
180	MJME-M1	389.00	391.00	2.00	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.006	0.009	0.20	57.0	6.80

Appendix 16 (4) Ore assay results for drilling core of MJME-M1 and MJME-M2 (4/11)

Ser. No.	Hole No.	Core sample depth (m) from	to	Core length (m)	Description	Au g/t	Ag g/t	As %	Cu %	Mo %	Pb %	Zn %	S %	SiO2 %	Fe %
181	MJME-M1	391.00	392.00	1.00	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.006	0.013	0.19	52.6	8.20
182	MJME-M1	392.00	393.00	1.00	Granodiorite	<0.01	<5	<0.001	0.005	<0.001	0.006	0.011	0.09	51.7	7.98
183	MJME-M1	393.00	395.00	2.00	Granodiorite with py dissem.	<0.01	<5	<0.001	0.013	<0.001	0.007	0.011	0.13	52.2	8.15
184	MJME-M1	395.00	396.00	1.00	Granodiorite	<0.01	<5	0.002	0.005	<0.001	0.005	0.011	0.23	52.9	7.32
185	MJME-M1	396.00	397.00	1.00	Granodiorite	<0.01	<5	<0.001	0.009	<0.001	0.005	0.009	0.06	51.6	7.46
186	MJME-M1	397.00	399.00	2.00	Granodiorite	<0.01	<5	<0.001	0.009	<0.001	0.007	0.010	0.07	52.6	7.71
187	MJME-M1	399.00	400.00	1.00	Granodiorite with calcite veins	<0.01	<5	<0.001	0.023	<0.001	0.007	0.015	0.09	53.5	7.59
188	MJME-M1	400.00	401.00	1.00	Granodiorite with strong epidotization	<0.01	<5	<0.001	0.013	<0.001	0.006	0.010	0.13	51.7	7.58
189	MJME-M1	401.00	402.00	1.00	Granodiorite with strong epidotization	<0.01	<5	<0.001	0.010	<0.001	0.007	0.011	0.06	51.4	7.58
190	MJME-M1	402.00	403.00	1.00	Granodiorite with strong epidotization	<0.01	<5	0.001	0.013	<0.001	0.008	0.010	0.14	51.1	7.37
191	MJME-M1	403.15	404.00	0.85	Granodiorite	<0.01	<5	<0.001	0.008	<0.001	0.005	0.011	0.04	55.0	7.03
192	MJME-M1	404.00	405.68	1.68	Granodiorite	<0.01	<5	<0.001	0.012	<0.001	0.007	0.011	0.05	53.2	7.44
193	MJME-M1	405.68	407.25	1.57	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.006	0.009	0.12	55.6	5.94
194	MJME-M1	407.25	409.00	1.75	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.007	0.010	0.09	53.7	6.95
195	MJME-M1	409.00	410.00	1.00	Granodiorite with strong epidotization	<0.01	<5	<0.001	0.020	<0.001	0.005	0.011	0.09	54.7	7.04
196	MJME-M1	410.00	411.00	1.00	Granodiorite	<0.01	<5	<0.001	0.008	<0.001	0.006	0.009	0.10	55.6	6.52
197	MJME-M1	411.00	412.00	1.00	Granodiorite	<0.01	<5	<0.001	0.004	<0.001	0.005	0.009	0.93	54.4	6.84
198	MJME-M1	412.00	413.00	1.00	Granodiorite with strong epidotization	<0.01	<5	<0.001	0.010	<0.001	0.006	0.011	0.21	53.8	6.97
199	MJME-M1	413.00	414.00	1.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.005	0.010	0.05	53.6	6.59
200	MJME-M1	414.00	415.00	1.00	Granodiorite	<0.01	<5	<0.001	0.004	<0.001	0.007	0.011	0.10	55.4	6.61
201	MJME-M1	415.00	415.50	0.50	Dolerite dyke/Granodiorite	<0.01	<5	<0.001	0.007	<0.001	0.009	0.013	0.12	56.4	6.39
202	MJME-M1	415.50	416.50	1.00	Granodiorite with qtz veinlets & epi veinlets	<0.01	<5	<0.001	0.012	<0.001	0.007	0.010	0.06	56.3	7.06
203	MJME-M1	416.50	417.50	1.00	Granodiorite with qtz veinlets & epi veinlets	<0.01	<5	<0.001	0.016	<0.001	0.008	0.010	0.08	53.7	7.00
204	MJME-M1	417.50	419.00	1.50	Granodiorite	<0.01	<5	<0.001	0.008	<0.001	0.008	0.009	0.40	57.6	6.88
205	MJME-M1	419.00	421.00	2.00	Granodiorite	<0.01	<5	<0.001	0.009	<0.001	0.007	0.010	0.06	58.1	7.28
206	MJME-M1	421.00	422.00	1.00	Granodiorite	<0.01	<5	0.001	0.033	<0.001	0.006	0.009	0.30	58.8	6.16
207	MJME-M1	422.00	423.00	1.00	Granodiorite	<0.01	<5	<0.001	0.005	<0.001	0.007	0.008	0.87	60.9	6.03
208	MJME-M1	423.00	424.00	1.00	Granodiorite with epi vein with pyrite dissemination	<0.01	<5	<0.001	0.010	<0.001	0.006	0.009	0.63	57.6	6.81
209	MJME-M1	424.00	424.97	0.97	Granodiorite	<0.01	<5	<0.001	0.009	<0.001	0.007	0.009	0.18	54.3	6.87
210	MJME-M1	424.97	426.40	1.43	Andesite dyke	<0.01	<5	<0.001	0.005	<0.001	0.009	0.010	0.27	52.1	7.46
211	MJME-M1	426.40	428.00	1.60	Granodiorite	<0.01	<5	<0.001	0.009	<0.001	0.007	0.010	0.11	55.3	7.23
212	MJME-M1	428.00	429.00	1.00	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.006	0.008	0.06	59.0	7.10
213	MJME-M1	429.00	431.20	2.20	Granodiorite	<0.01	<5	<0.001	0.007	<0.001	0.008	0.010	0.08	57.5	7.12
214	MJME-M1	431.20	432.50	1.30	Dolerite dyke/Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.009	0.012	0.67	55.7	5.67
215	MJME-M1	432.50	434.50	2.00	Granodiorite	<0.01	<5	<0.001	0.010	<0.001	0.006	0.008	0.22	54.6	7.01
216	MJME-M1	434.50	436.00	1.50	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.009	0.009	0.08	55.4	7.43
217	MJME-M1	436.00	437.00	1.00	Dolerite dyke/Granodiorite	<0.01	<5	<0.001	0.012	<0.001	0.009	0.009	0.07	60.7	6.96
218	MJME-M1	437.00	438.00	1.00	Granodiorite	<0.01	<5	<0.001	0.005	<0.001	0.006	0.009	0.07	57.8	6.77
219	MJME-M1	438.00	438.90	0.90	Granodiorite with epi-chl-calc veinlets	<0.01	<5	<0.001	0.016	<0.001	0.007	0.010	0.12	56.9	6.63
220	MJME-M1	438.90	440.00	1.10	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.008	0.009	0.31	55.5	6.45
221	MJME-M1	440.00	441.00	1.00	Granodiorite	<0.01	<5	<0.001	0.007	<0.001	0.009	0.008	0.81	57.2	6.80
222	MJME-M1	441.00	442.00	1.00	Granodiorite with pyrite veinlets	<0.01	<5	<0.001	0.019	<0.001	0.009	0.008	1.08	59.5	7.24
223	MJME-M1	442.00	443.00	1.00	Granodiorite	<0.01	<5	<0.001	0.008	<0.001	0.007	0.008	0.51	61.3	6.40
224	MJME-M1	443.00	444.00	1.00	Granodiorite	<0.01	<5	<0.001	0.009	<0.001	0.007	0.009	0.71	59.8	6.58
225	MJME-M1	444.00	444.90	0.90	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.009	0.010	0.39	60.5	6.22
226	MJME-M1	444.90	446.30	1.40	Dolerite dyke/Granodiorite	<0.01	<5	<0.001	0.004	<0.001	0.008	0.011	0.49	61.2	5.95
227	MJME-M1	446.30	448.20	1.90	Andesite porphyry dyke	<0.01	<5	<0.001	<0.001	<0.001	0.009	0.012	0.07	57.0	6.04
228	MJME-M1	448.20	449.20	1.00	Granodiorite with pyrite dissemination	<0.01	<5	<0.001	0.002	<0.001	0.007	0.014	0.24	57.4	5.98
229	MJME-M1	449.20	450.35	1.15	Andesite porphyry dyke	<0.01	<5	<0.001	0.006	<0.001	0.008	0.010	0.39	53.6	6.34
230	MJME-M1	450.35	451.00	0.65	Granodiorite	<0.01	<5	<0.001	0.007	<0.001	0.008	0.008	0.16	54.4	6.45
231	MJME-M1	451.00	452.00	1.00	Granodiorite with chalcopyrite spots	<0.01	<5	<0.001	0.010	<0.001	0.008	0.009	0.55	53.1	6.79
232	MJME-M1	452.00	453.00	1.00	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.008	0.009	0.46	50.0	6.76
233	MJME-M1	453.00	454.00	1.00	Granodiorite	<0.01	<5	<0.001	0.009	<0.001	0.007	0.008	0.19	50.2	6.35
234	MJME-M1	454.00	455.00	1.00	Granodiorite/andesite dyke	<0.01	<5	<0.001	0.006	<0.001	0.006	0.009	0.19	58.1	6.32
235	MJME-M1	455.00	456.00	1.00	Granodiorite with strong veins and epidotization	<0.01	<5	<0.001	0.031	<0.001	0.007	0.008	0.14	54.7	6.62
236	MJME-M1	456.00	457.00	1.00	Granodiorite	<0.01	<5	0.001	0.004	<0.001	0.008	0.008	0.24	54.6	6.59
237	MJME-M1	457.00	458.00	1.00	Granodiorite/andesite dyke	<0.01	<5	<0.001	0.002	<0.001	0.008	0.011	0.18	52.1	6.37
238	MJME-M1	458.00	460.00	2.00	Granodiorite	<0.01	<5	<0.001	0.005	<0.001	0.007	0.008	0.12	52.6	6.60
239	MJME-M1	460.00	462.00	2.00	Granodiorite with epi-chl veinlets	<0.01	<5	<0.001	0.017	<0.001	0.008	0.012	0.23	56.6	7.02
240	MJME-M1	462.00	464.00	2.00	Granodiorite	<0.01	<5	<0.001	0.007	<0.001	0.007	0.010	0.74	53.9	5.89

Appendix 16 (4) Ore assay results for drilling core of MJME-M1 and MJME-M2 (5/11)

Ser. No.	Hole No.	Core sample depth (m) from	to	Core length (m)	Description	Au g/t	Ag g/t	As %	Cu %	Mo %	Pb %	Zn %	S %	SiO2 %	Fe %
241	MJME-M1	464.00	466.00	2.00	Granodiorite/andesite dyke	<0.01	<5	<0.001	0.006	<0.001	0.007	0.009	0.51	54.7	6.35
242	MJME-M1	466.00	467.00	1.00	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.007	0.008	0.72	51.6	6.10
243	MJME-M1	467.00	468.00	1.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.009	0.007	0.45	51.6	6.64
244	MJME-M1	468.00	469.00	1.00	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.006	0.009	0.09	60.4	6.94
245	MJME-M1	469.00	470.00	1.00	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.007	0.009	0.09	58.5	6.47
246	MJME-M1	470.00	471.00	1.00	Granodiorite	<0.01	<5	<0.001	0.005	<0.001	0.007	0.008	0.12	56.1	6.45
247	MJME-M1	471.00	472.00	1.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.007	0.008	0.08	55.1	6.46
248	MJME-M1	472.00	473.00	1.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.007	0.006	0.90	54.5	5.96
249	MJME-M1	473.00	474.00	1.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.007	0.008	0.50	59.2	6.64
250	MJME-M1	474.00	475.00	1.00	Granodiorite with epidotization and epi. Veinlets, pottasic alteration	<0.01	<5	<0.001	0.048	<0.001	0.006	0.007	0.90	58.1	5.94
251	MJME-M1	475.00	476.00	1.00	Granodiorite with epidotization and epi. Veinlets	<0.01	<5	<0.001	0.007	<0.001	0.007	0.007	0.56	57.0	6.50
252	MJME-M1	476.00	478.00	2.00	Granodiorite with epidotization and epi. Veinlets	<0.01	<5	<0.001	0.006	<0.001	0.007	0.008	0.14	59.3	6.88
253	MJME-M1	478.00	480.00	2.00	Granodiorite with epidotization and epi. Veinlets, black chl. Vein	<0.01	<5	<0.001	0.035	<0.001	0.007	0.009	0.14	57.2	7.48
254	MJME-M1	480.00	481.00	1.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.006	0.008	0.47	58.1	6.16
255	MJME-M1	481.00	482.00	1.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.007	0.007	0.89	55.0	6.20
256	MJME-M1	482.00	483.00	1.00	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.007	0.008	0.06	56.4	6.44
257	MJME-M1	483.00	484.00	1.00	Granodiorite	<0.01	<5	<0.001	0.004	<0.001	0.006	0.007	0.13	63.3	6.03
258	MJME-M1	484.00	485.00	1.00	Granodiorite	<0.01	<5	<0.001	0.005	<0.001	0.006	0.006	0.08	60.4	6.13
259	MJME-M1	485.00	486.00	1.00	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.007	0.006	0.10	60.0	5.73
260	MJME-M1	486.00	487.00	1.00	Granodiorite with epi-chl veinlets	<0.01	<5	<0.001	0.009	<0.001	0.007	0.006	0.14	57.4	5.76
261	MJME-M1	487.00	488.00	1.00	Granodiorite	<0.01	<5	<0.001	0.006	<0.001	0.009	0.007	0.09	62.7	5.85
262	MJME-M1	488.00	489.00	1.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.007	0.006	0.23	57.2	5.68
263	MJME-M1	489.00	490.00	1.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.006	0.008	0.15	59.6	5.46
264	MJME-M1	490.00	491.00	1.00	Granodiorite	<0.01	<5	<0.001	0.003	<0.001	0.007	0.006	0.81	56.7	5.79
265	MJME-M1	491.00	492.00	1.00	Granodiorite	<0.01	<5	<0.001	0.002	<0.001	0.008	0.006	1.66	55.1	6.05
266	MJME-M1	492.00	493.00	1.00	Granodiorite	<0.01	<5	<0.001	0.001	<0.001	0.009	0.006	0.59	58.1	5.34
267	MJME-M1	493.00	494.00	1.00	Granodiorite	<0.01	<5	<0.001	0.001	<0.001	0.008	0.007	0.97	56.8	5.58
268	MJME-M1	494.00	495.00	1.00	Granodiorite	<0.01	<5	<0.001	0.005	<0.001	0.006	0.007	0.12	59.4	6.03
269	MJME-M1	495.00	496.00	1.00	Granodiorite	<0.01	<5	<0.001	0.005	<0.001	0.007	0.007	0.15	58.6	5.65
270	MJME-M1	496.00	497.00	1.00	Granodiorite with epi-chl veinlets	<0.01	<5	<0.001	0.009	<0.001	0.005	0.007	0.33	58.8	5.57
271	MJME-M1	497.00	498.00	1.00	Granodiorite with epi-chl veinlets	<0.01	<5	<0.001	0.009	<0.001	0.007	0.007	0.24	61.1	5.85
272	MJME-M1	498.00	499.00	1.00	Granodiorite with epi-chl veinlets	<0.01	<5	<0.001	0.006	<0.001	0.006	0.007	0.18	58.4	5.84
273	MJME-M1	499.00	500.00	1.00	Granodiorite with qtz-epi-chl veinlets with cpy dissem.	<0.01	<5	<0.001	0.030	<0.001	0.005	0.009	0.13	58.2	5.93
274	MJME-M1	500.00	501.00	1.00	Granodiorite with epi-chl veinlets	<0.01	<5	<0.001	0.007	<0.001	0.006	0.008	0.42	59.1	6.12
275	MJME-M1	501.00	501.80	0.80	Granodiorite	<0.01	<5	<0.001	0.005	<0.001	0.007	0.006	0.49	56.5	5.85
276	MJME-M2	34.20	36.00	1.80	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.007	0.023	5.98	51.1	8.13
277	MJME-M2	36.00	38.00	2.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.007	0.025	5.09	53.3	7.44
278	MJME-M2	38.00	40.00	2.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.005	<0.001	0.006	0.012	6.10	54.3	7.69
279	MJME-M2	40.00	42.00	2.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	0.002	0.006	<0.001	0.008	0.015	5.54	51.9	7.50
280	MJME-M2	42.00	44.00	2.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.008	0.016	6.28	49.7	8.13
281	MJME-M2	44.00	46.00	2.00	str. sil.-rock with py. diss. and py veinlets	<0.01	<5	<0.001	0.005	<0.001	0.007	0.017	8.25	54.6	10.7
282	MJME-M2	46.00	48.00	2.00	str. sil.-rock with py. diss. and py veinlets	<0.01	<5	<0.001	0.005	<0.001	0.009	0.017	7.05	56.0	9.04
283	MJME-M2	48.00	50.00	2.00	str. sil.-rock with py. diss. and py veinlets	<0.01	<5	<0.001	0.004	<0.001	0.005	0.023	5.09	61.9	7.19
284	MJME-M2	50.00	51.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.005	<0.001	0.007	0.034	2.72	53.2	6.26
285	MJME-M2	51.00	52.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.015	<0.001	0.004	0.042	0.98	53.2	5.69
286	MJME-M2	52.00	53.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.003	<0.001	0.004	0.027	3.59	59.4	6.21
287	MJME-M2	53.00	54.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.005	<0.001	0.005	0.018	8.02	56.1	9.48
288	MJME-M2	54.00	55.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.005	<0.001	0.005	0.019	8.01	56.1	9.46
289	MJME-M2	55.00	56.00	1.00	str. sil.-rock with py. diss. and stockwork	<0.01	<5	<0.001	0.006	<0.001	0.005	0.025	8.72	53.4	10.5
290	MJME-M2	56.00	57.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.004	0.016	7.11	57.8	8.47
291	MJME-M2	57.00	58.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.006	0.012	8.15	54.6	9.11
292	MJME-M2	58.00	59.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.005	<0.001	0.005	0.009	8.69	56.1	9.41
293	MJME-M2	59.00	60.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.005	<0.001	0.005	0.009	9.75	55.8	10.3
294	MJME-M2	60.00	61.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.006	0.005	6.55	59.5	6.72
295	MJME-M2	61.00	62.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.006	0.008	6.81	58.6	6.87
296	MJME-M2	62.00	63.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.005	<0.001	0.005	0.005	6.02	65.4	6.00
297	MJME-M2	63.00	64.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.008	<0.001	0.007	0.026	6.87	59.4	7.13
298	MJME-M2	64.00	65.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.005	<0.001	0.003	0.019	7.56	57.4	7.92
299	MJME-M2	65.00	66.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.005	<0.001	0.007	0.009	7.25	52.6	7.56
300	MJME-M2	66.00	67.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.007	0.003	6.33	57.7	6.33

Appendix 16 (4) Ore assay results for drilling core of MJME-M1 and MJME-M2 (6/11)

Ser. No.	Hole No.	Core sample depth (m) from	to	Core length (m)	Description	Au g/t	Ag g/t	As %	Cu %	Mo %	Pb %	Zn %	S %	SiO2 %	Fe %
301	MJME-M2	67.00	68.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.010	<0.001	0.004	0.017	9.62	53.7	10.3
302	MJME-M2	68.00	69.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.004	0.006	8.90	53.0	9.14
303	MJME-M2	69.00	70.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.003	<0.001	0.005	0.007	9.00	51.5	9.47
304	MJME-M2	70.00	71.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.003	<0.001	0.005	0.012	7.54	54.5	8.48
305	MJME-M2	71.00	72.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.005	0.011	7.91	55.7	8.64
306	MJME-M2	72.00	73.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.003	<0.001	0.005	0.017	7.56	57.2	9.17
307	MJME-M2	73.00	74.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.005	0.014	6.46	53.0	7.66
308	MJME-M2	74.00	75.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.006	0.013	6.20	52.5	7.26
309	MJME-M2	75.00	76.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.006	0.008	7.91	50.4	8.54
310	MJME-M2	76.00	77.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.003	<0.001	0.007	0.011	6.88	48.0	7.87
311	MJME-M2	77.00	78.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.005	<0.001	0.005	0.006	9.42	52.2	10.2
312	MJME-M2	78.00	79.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.005	0.006	8.87	52.0	9.21
313	MJME-M2	79.00	80.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.003	<0.001	0.006	0.013	7.86	55.6	9.13
314	MJME-M2	80.00	81.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.006	0.011	9.49	44.4	10.7
315	MJME-M2	81.00	82.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.003	<0.001	0.005	0.009	8.61	54.4	9.43
316	MJME-M2	82.00	83.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	0.002	0.003	<0.001	0.009	0.006	8.22	53.5	9.61
317	MJME-M2	83.00	84.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.003	<0.001	0.006	0.009	8.90	55.7	10.7
318	MJME-M2	84.00	85.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.003	<0.001	0.007	0.008	8.27	54.2	9.98
319	MJME-M2	85.00	86.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.005	<0.001	0.008	0.009	8.14	50.3	9.87
320	MJME-M2	86.00	87.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.003	<0.001	0.006	0.016	6.55	56.3	8.13
321	MJME-M2	87.00	88.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	0.001	0.009	<0.001	0.007	0.115	6.12	52.7	8.18
322	MJME-M2	88.00	89.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.003	<0.001	0.007	0.023	6.66	52.0	8.77
323	MJME-M2	89.00	90.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.003	<0.001	0.007	0.013	6.67	53.3	8.43
324	MJME-M2	90.00	91.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.005	<0.001	0.007	0.016	6.56	54.8	8.66
325	MJME-M2	91.00	92.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.007	0.021	5.16	54.0	7.13
326	MJME-M2	92.00	93.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.008	0.014	5.48	53.6	7.02
327	MJME-M2	93.00	94.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.008	0.010	4.88	56.5	6.33
328	MJME-M2	94.00	95.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.009	0.008	5.04	54.9	6.35
329	MJME-M2	95.00	96.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.008	0.022	5.63	48.0	8.08
330	MJME-M2	96.00	97.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.008	0.011	5.58	54.5	7.36
331	MJME-M2	97.00	98.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.005	<0.001	0.007	0.015	5.92	53.9	7.54
332	MJME-M2	98.00	99.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.008	0.017	5.30	54.8	6.96
333	MJME-M2	99.00	100.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.006	0.016	5.54	56.4	6.72
334	MJME-M2	100.00	101.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.011	<0.001	0.007	0.012	5.48	54.4	6.88
335	MJME-M2	101.00	102.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.003	<0.001	0.008	0.010	5.32	57.4	6.65
336	MJME-M2	102.00	103.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.007	0.021	5.45	54.3	7.48
337	MJME-M2	103.00	104.00	1.00	str. sil. rock with brecciation including py. diss.	0.04	<5	<0.001	0.004	<0.001	0.006	0.031	3.79	53.4	5.74
338	MJME-M2	104.00	105.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	0.001	0.010	<0.001	0.005	0.047	4.93	56.7	6.03
339	MJME-M2	105.00	106.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.005	0.012	5.75	54.4	6.78
340	MJME-M2	106.00	107.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.005	<0.001	0.005	0.022	7.08	50.4	7.48
341	MJME-M2	107.00	108.00	1.00	str. sil. rock with brecciation including py. diss.	<0.01	<5	<0.001	0.015	<0.001	0.009	0.016	7.09	47.6	9.24
342	MJME-M2	108.00	109.00	1.00	str. sil.-rock with py. diss.	<0.01	<5	<0.001	0.007	<0.001	0.008	0.007	4.28	59.1	5.53
343	MJME-M2	109.00	110.00	1.00	str. sil. argi. rock	<0.01	<5	<0.001	0.004	<0.001	0.006	0.010	1.43	66.4	3.64
344	MJME-M2	110.00	111.00	1.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.005	0.012	0.05	46.5	7.28
345	MJME-M2	111.00	112.00	1.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.006	<0.001	0.005	0.011	0.04	47.8	6.99
346	MJME-M2	112.00	113.00	1.00	str. sil. argi. rock	<0.01	<5	<0.001	0.001	0.001	0.009	0.001	0.05	68.4	0.66
347	MJME-M2	113.00	114.00	1.00	str. sil. argi. rock	<0.01	<5	<0.001	0.001	<0.001	0.010	0.001	0.89	63.2	1.26
348	MJME-M2	114.00	115.00	1.00	str. sil. argi. rock	<0.01	<5	<0.001	<0.001	<0.001	0.010	<0.001	0.21	57.7	1.86
349	MJME-M2	115.00	116.00	1.00	str. sil. argi. rock	<0.01	<5	<0.001	<0.001	<0.001	0.007	<0.001	0.37	60.9	0.72
350	MJME-M2	116.00	117.00	1.00	very str. sil.-rock with py. diss.	<0.01	<5	<0.001	0.003	<0.001	0.005	0.001	1.21	76.5	2.42
351	MJME-M2	117.00	118.00	1.00	very str. sil.-rock with brecciation including strong py. diss.	<0.01	<5	<0.001	0.008	<0.001	0.010	0.004	7.97	48.4	9.48
352	MJME-M2	118.00	120.00	2.00	very str. sil.-rock with py. diss.	<0.01	<5	<0.001	0.001	<0.001	0.001	<0.001	0.38	93.1	2.86
353	MJME-M2	120.00	122.00	2.00	very str. sil.-rock with py. diss.	<0.01	<5	<0.001	<0.001	<0.001	0.001	0.004	0.05	80.9	2.08
354	MJME-M2	122.00	124.00	2.00	very str. sil.-rock with py. diss.	<0.01	<5	<0.001	<0.001	<0.001	0.001	<0.001	0.02	95.7	0.28
355	MJME-M2	124.00	125.00	1.00	very str. sil.-rock with py. diss.	<0.01	<5	<0.001	<0.001	<0.001	0.001	<0.001	0.02	94.8	0.34
356	MJME-M2	125.00	126.00	1.00	very str. sil.-rock with py. diss.	<0.01	<5	<0.001	<0.001	<0.001	0.001	0.004	0.01	87.5	0.51
357	MJME-M2	126.00	127.00	1.00	str. sil.-rock with py. diss.	<0.01	<5	<0.001	0.002	<0.001	0.003	0.002	0.51	82.9	1.79
358	MJME-M2	127.00	128.00	1.00	str. sil.-rock with py. diss.	<0.01	<5	<0.001	0.004	<0.001	0.005	0.004	1.71	69.3	3.74
359	MJME-M2	128.00	129.00	1.00	str. sil.-rock with py. Stockwork and diss.	<0.01	<5	<0.001	0.006	<0.001	0.006	0.004	6.38	54.9	8.07
360	MJME-M2	129.00	131.00	2.00	str. sil.-rock with py. Stockwork and diss.	<0.01	<5	<0.001	0.011	<0.001	0.006	0.005	8.57	57.3	11.0

Appendix 16 (4) Ore assay results for drilling core of MJME-M1 and MJME-M2 (7/11)

Ser. No.	Hole No.	Core sample depth (m) from	to	Core length (m)	Description	Au g/t	Ag g/t	As %	Cu %	Mo %	Pb %	Zn %	S %	SiO2 %	Fe %
361	MJME-M2	131.00	132.00	1.00	str. sil.-rock with py. Stockwork and diss.	<0.01	<5	<0.001	0.007	<0.001	0.006	0.004	7.58	59.8	9.08
362	MJME-M2	132.00	133.00	1.00	str. sil.-rock with py. Stockwork and diss.	<0.01	<5	<0.001	0.001	<0.001	0.006	0.002	0.85	69.0	1.82
363	MJME-M2	133.00	134.00	1.00	str. sil.-rock with py. Stockwork and diss.	<0.01	<5	<0.001	0.007	<0.001	0.010	0.003	8.03	60.1	9.32
364	MJME-M2	134.00	135.00	1.00	very str. sil.-rock with py. diss.	<0.01	<5	<0.001	<0.001	<0.001	0.001	<0.001	0.04	89.4	1.26
365	MJME-M2	135.00	136.00	1.00	very str. sil.-rock with py. diss.	<0.01	<5	<0.001	<0.001	<0.001	0.002	<0.001	0.04	91.2	1.20
366	MJME-M2	136.00	137.00	1.00	very str. sil.-rock with py. diss.	<0.01	<5	<0.001	<0.001	<0.001	0.001	<0.001	0.02	85.9	0.37
367	MJME-M2	137.00	138.00	1.00	very str. sil.-rock with py. diss.	<0.01	<5	<0.001	<0.001	<0.001	0.001	0.001	0.02	93.8	0.83
368	MJME-M2	138.00	139.00	1.00	very str. sil.-rock with py. diss.	<0.01	<5	<0.001	<0.001	<0.001	0.001	<0.001	0.03	87.7	0.80
369	MJME-M2	139.00	140.00	1.00	very str. sil.-rock with py. diss.	<0.01	<5	<0.001	<0.001	<0.001	<0.001	<0.001	0.04	93.4	0.72
370	MJME-M2	140.00	143.00	3.00	str. sil.-rock with py. diss.	<0.01	<5	<0.001	0.002	<0.001	0.004	0.001	0.47	73.7	1.29
371	MJME-M2	143.00	144.00	1.00	str. sil.-rock with py. diss.	<0.01	<5	<0.001	0.001	<0.001	0.006	<0.001	1.26	60.4	1.46
372	MJME-M2	144.00	145.10	1.10	str. sil.-rock with py. diss.	<0.01	<5	0.001	<0.001	<0.001	0.005	0.001	0.49	62.2	0.62
373	MJME-M2	149.00	151.00	2.00	str. sil.-rock with py. diss. & veinlets	<0.01	<5	<0.001	0.002	<0.001	0.008	0.002	2.52	56.5	3.29
374	MJME-M2	160.40	161.70	1.30	str. sil.-rock with py. diss.	<0.01	<5	<0.001	0.001	<0.001	0.006	0.015	0.43	50.4	6.35
375	MJME-M2	164.00	166.00	2.00	Andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.005	0.012	1.43	52.7	5.80
376	MJME-M2	166.00	167.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.007	0.011	0.14	48.8	5.52
377	MJME-M2	167.90	168.40	0.50	Andesitic tuff	<0.01	<5	<0.001	0.001	<0.001	0.005	0.014	0.06	50.2	5.66
378	MJME-M2	168.40	170.00	1.60	Andesite porphyry dyke	<0.01	<5	<0.001	0.002	<0.001	0.005	0.012	0.69	59.7	5.56
379	MJME-M2	170.00	171.00	1.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.008	<0.001	0.006	0.010	0.17	59.9	5.69
380	MJME-M2	171.00	172.00	1.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.002	<0.001	0.006	0.010	0.21	58.6	5.34
381	MJME-M2	172.00	173.00	1.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.002	<0.001	0.006	0.013	0.53	59.7	5.15
382	MJME-M2	173.00	174.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.005	0.014	0.05	57.7	4.88
383	MJME-M2	174.00	175.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.005	<0.001	0.006	0.014	0.07	60.0	5.11
384	MJME-M2	175.00	176.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.006	0.011	0.07	59.6	5.11
385	MJME-M2	176.00	177.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.006	0.010	0.05	57.0	5.53
386	MJME-M2	177.00	179.00	2.00	Andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.005	0.010	0.17	53.3	5.51
387	MJME-M2	179.00	181.00	2.00	Andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.005	0.015	0.12	56.0	5.94
388	MJME-M2	181.00	182.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.001	<0.001	0.005	0.018	1.07	62.9	6.90
389	MJME-M2	182.00	183.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.008	<0.001	0.008	0.017	0.43	59.7	6.66
390	MJME-M2	183.00	184.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.001	<0.001	0.007	0.019	0.77	61.6	6.96
391	MJME-M2	184.00	185.00	1.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.002	<0.001	0.006	0.014	0.05	50.1	6.78
392	MJME-M2	185.00	186.00	1.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.006	0.012	0.05	43.7	6.89
393	MJME-M2	186.00	187.00	1.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.007	0.013	0.64	48.2	6.95
394	MJME-M2	187.00	188.00	1.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.007	0.012	0.06	46.7	6.93
395	MJME-M2	188.00	189.00	1.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.007	0.012	0.07	47.5	6.94
396	MJME-M2	189.00	190.00	1.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.008	0.012	0.77	47.3	6.53
397	MJME-M2	190.00	191.00	1.00	Sil. Argillized tuff with qtz-hem-chl-spec. veinlets and spots	<0.01	<5	<0.001	0.003	<0.001	0.009	0.001	6.30	60.4	6.90
398	MJME-M2	191.00	192.00	1.00	Sil. Argillized tuff with qtz-hem-chl-spec. veinlets and spots	<0.01	<5	0.001	0.004	<0.001	0.006	0.001	4.91	57.8	5.79
399	MJME-M2	192.00	192.60	0.60	Sil. Argillized tuff with qtz-hem-chl-spec. veinlets and spots	<0.01	<5	<0.001	0.004	<0.001	0.006	0.002	4.59	57.7	5.41
400	MJME-M2	192.60	192.95	0.35	Sil. Argillized tuff with qtz-hem-chl-spec. veinlets and spots	<0.01	<5	<0.001	0.002	<0.001	0.006	0.010	2.63	65.8	7.00
401	MJME-M2	192.95	193.60	0.65	Sil. Argillized tuff with qtz-hem-chl-spec. veinlets and spots	<0.01	<5	<0.001	0.002	<0.001	0.008	0.003	1.24	61.3	6.57
402	MJME-M2	193.60	193.95	0.35	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.007	0.011	0.16	45.9	6.35
403	MJME-M2	193.95	195.00	1.05	Sil. Argillized tuff with qtz-fluorite veins	<0.01	<5	<0.001	0.007	<0.001	0.006	0.001	4.29	70.9	5.27
404	MJME-M2	195.00	196.00	1.00	Andesitic tuff/andesite dyke	<0.01	<5	<0.001	0.003	<0.001	0.005	0.002	0.83	79.7	2.02
405	MJME-M2	196.00	196.65	0.65	Sil. rock	<0.01	<5	0.001	<0.001	<0.001	<0.001	<0.001	0.06	96.3	0.26
406	MJME-M2	196.65	196.80	0.15	Sil. rock with py-cpy sulphyde vein	0.28	61	0.002	0.802	<0.001	0.002	0.009	3.29	86.8	3.93
407	MJME-M2	196.80	197.25	0.45	Sil. rock	<0.01	<5	<0.001	0.002	<0.001	<0.001	<0.001	0.12	95.7	0.37
408	MJME-M2	197.25	198.30	1.05	Andesite porphyry dyke	<0.01	<5	<0.001	0.008	<0.001	0.005	0.010	0.40	56.3	5.85
409	MJME-M2	198.30	199.05	0.75	Sil. Argillized rock	<0.01	<5	<0.001	0.001	<0.001	0.001	<0.001	0.03	93.1	0.32
410	MJME-M2	199.05	201.00	1.95	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.008	0.011	0.16	47.7	6.18
411	MJME-M2	201.00	203.00	2.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.007	0.011	0.15	45.9	6.22
412	MJME-M2	203.00	205.00	2.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.004	<0.001	0.003	0.009	0.19	47.2	5.16
413	MJME-M2	205.00	206.65	1.65	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.007	0.012	0.06	51.6	6.97
414	MJME-M2	206.65	207.65	1.00	Strong sil. argillized rock	<0.01	<5	<0.001	0.001	<0.001	0.001	0.003	1.67	88.1	2.51
415	MJME-M2	207.65	209.00	1.35	Strong sil. argillized rock/ andesite dyke	<0.01	<5	<0.001	0.001	<0.001	0.002	0.003	0.80	79.1	2.84
416	MJME-M2	209.00	209.50	0.50	Strong sil. argillized rock	<0.01	<5	<0.001	0.005	<0.001	0.006	0.011	0.75	57.2	6.03
417	MJME-M2	209.50	210.50	1.00	Strong sil. argillized rock	<0.01	<5	<0.001	0.001	<0.001	0.002	<0.001	1.06	93.8	1.39
418	MJME-M2	210.50	211.50	1.00	Strong sil. argillized rock	<0.01	<5	<0.001	0.001	<0.001	0.002	<0.001	0.91	93.0	1.33
419	MJME-M2	211.50	212.45	0.95	Strong sil. argillized rock	<0.01	<5	<0.001	<0.001	<0.001	0.001	<0.001	0.35	95.7	0.49
420	MJME-M2	212.45	213.45	1.00	Strong sil. argillized rock	<0.01	<5	<0.001	<0.001	<0.001	<0.001	<0.001	0.05	95.3	0.32

Appendix 16 (4) Ore assay results for drilling core of MJME-M1 and MJME-M2 (8/11)

Ser. No.	Hole No.	Core sample depth (m) from	to	Core length (m)	Description	Au g/t	Ag g/t	As %	Cu %	Mo %	Pb %	Zn %	S %	SiO2 %	Fe %
421	MJME-M2	213.45	214.45	1.00	Strong sil. argillized rock with sulphyd network veins	<0.01	<5	<0.001	0.004	<0.001	0.008	0.001	2.31	64.3	2.86
422	MJME-M2	214.45	215.40	0.95	Strong sil. argillized rock with sulphyd network veins	<0.01	<5	<0.001	0.002	<0.001	0.009	0.001	1.46	57.4	2.18
423	MJME-M2	215.40	216.40	1.00	Strong sil. argillized rock with sulphyd network veins	<0.01	<5	<0.001	0.004	<0.001	0.010	0.001	2.78	68.6	3.88
424	MJME-M2	216.40	217.10	0.70	Strong sil. argillized rock with sulphyd network veins	<0.01	<5	<0.001	0.009	<0.001	0.007	0.001	4.32	64.7	6.07
425	MJME-M2	217.10	218.10	1.00	Very strong sil. argillized rock with sulphyd (py>cpy) network veins	<0.01	<5	0.001	0.010	<0.001	0.001	<0.001	1.75	90.7	2.36
426	MJME-M2	218.10	219.10	1.00	Very strong sil. argillized rock with qtz-hem-py veinlets	<0.01	<5	<0.001	0.011	<0.001	0.004	0.001	3.18	81.1	4.05
427	MJME-M2	219.10	220.10	1.00	Strong sil. argillized rock with qtz-hem-py veinlets	<0.01	<5	<0.001	0.011	<0.001	0.008	0.014	0.48	59.0	9.71
428	MJME-M2	220.10	221.05	0.95	sil., tuff breccia with qtz-hem-py veinlets	<0.01	<5	<0.001	0.006	<0.001	0.006	0.012	1.38	69.3	11.2
429	MJME-M2	221.05	222.00	0.95	sil., tuff breccia with qtz-hem-py veinlets	<0.01	<5	<0.001	0.003	<0.001	0.007	0.019	0.94	63.7	12.9
430	MJME-M2	222.00	223.00	1.00	sil., tuff breccia with qtz-hem-py veinlets	<0.01	<5	<0.001	0.004	<0.001	0.007	0.002	2.87	66.4	3.88
431	MJME-M2	223.00	223.65	0.65	sil., tuff breccia with qtz-hem-py veinlets	<0.01	<5	<0.001	0.007	<0.001	0.007	0.011	1.13	67.6	4.74
432	MJME-M2	223.65	224.65	1.00	Very strong sil. argillized rock	<0.01	<5	0.002	0.001	<0.001	0.002	<0.001	0.10	92.0	0.34
433	MJME-M2	224.65	225.65	1.00	Very strong sil. argillized rock	<0.01	<5	<0.001	<0.001	<0.001	<0.001	<0.001	0.03	95.1	0.30
434	MJME-M2	225.65	226.65	1.00	Very strong sil. argillized rock	<0.01	<5	0.001	<0.001	<0.001	0.001	<0.001	0.04	94.8	0.27
435	MJME-M2	226.65	227.65	1.00	Very strong sil. argillized rock	<0.01	<5	0.001	<0.001	<0.001	0.001	<0.001	0.15	95.9	0.32
436	MJME-M2	227.65	228.65	1.00	Very strong sil. argillized rock	<0.01	<5	0.001	0.001	<0.001	0.001	<0.001	0.10	89.4	0.30
437	MJME-M2	228.65	229.65	1.00	Very strong sil. argillized rock	<0.01	<5	<0.001	0.001	<0.001	0.001	<0.001	0.05	95.6	0.24
438	MJME-M2	229.65	230.65	1.00	Very strong sil. argillized rock	<0.01	<5	0.001	0.002	<0.001	0.001	<0.001	0.08	97.1	0.27
439	MJME-M2	230.65	231.65	1.00	Very strong sil. argillized rock	<0.01	<5	<0.001	0.002	<0.001	0.001	<0.001	0.05	96.0	0.24
440	MJME-M2	231.65	232.65	1.00	Very strong sil. argillized rock	<0.01	<5	<0.001	<0.001	<0.001	0.001	<0.001	0.03	95.2	0.24
441	MJME-M2	232.65	234.00	1.35	Very strong sil. argillized rock	<0.01	<5	0.001	0.001	<0.001	0.001	<0.001	0.03	95.0	0.24
442	MJME-M2	234.00	236.00	2.00	Very strong sil. argillized rock	<0.01	<5	<0.001	0.005	<0.001	<0.001	<0.001	0.14	95.2	0.33
443	MJME-M2	236.00	238.00	2.00	Very strong sil. argillized rock	<0.01	<5	0.001	0.002	<0.001	<0.001	<0.001	0.08	90.4	0.30
444	MJME-M2	238.00	240.00	2.00	Very strong sil. argillized rock	<0.01	<5	<0.001	0.002	<0.001	0.001	<0.001	0.05	80.0	0.27
445	MJME-M2	240.00	241.00	1.00	Very strong sil. argillized rock	<0.01	<5	0.001	0.001	<0.001	0.003	<0.001	0.07	95.5	0.24
446	MJME-M2	241.00	242.00	1.00	Very strong sil. argillized rock	<0.01	<5	0.001	0.002	<0.001	0.003	<0.001	1.32	87.5	1.83
447	MJME-M2	242.00	243.00	1.00	Strong sil. argillized rock with hem veinlets	<0.01	<5	<0.001	0.004	<0.001	0.006	0.001	3.86	67.1	4.80
448	MJME-M2	243.00	244.00	1.00	Sil. Argillized tuff with hematitization	<0.01	<5	<0.001	0.006	<0.001	0.008	0.004	0.63	67.0	9.86
449	MJME-M2	244.00	245.00	1.00	Sil. Argillized tuff	<0.01	<5	<0.001	0.004	<0.001	0.007	0.005	0.26	66.8	9.96
450	MJME-M2	245.00	246.00	1.00	Sil. Argillized tuff	<0.01	<5	<0.001	0.003	<0.001	0.005	0.009	0.07	66.4	9.41
451	MJME-M2	246.00	247.00	1.00	Clayed zone in sil. rock with pyrite dissemination	<0.01	<5	<0.001	0.009	<0.001	0.006	0.007	4.46	71.8	6.74
452	MJME-M2	247.00	248.00	1.00	Sil. Argillized rock with strong pyrite dissemination	<0.01	<5	<0.001	0.006	<0.001	0.006	0.002	6.96	66.9	7.91
453	MJME-M2	248.00	249.00	1.00	Sil. Argillized rock with strong pyrite dissemination	<0.01	<5	<0.001	0.006	<0.001	0.009	0.002	7.13	64.6	7.79
454	MJME-M2	249.00	251.00	2.00	Sil. Argillized rock with pyrite dissemination	<0.01	<5	<0.001	0.007	<0.001	0.005	0.019	5.02	57.2	9.09
455	MJME-M2	251.00	252.00	1.00	Sil. Argillized tuff with hematitization	<0.01	<5	<0.001	0.005	<0.001	0.004	0.030	2.55	55.7	10.4
456	MJME-M2	252.00	253.00	1.00	Sil. Argillized tuff with hematitization	<0.01	<5	<0.001	0.005	<0.001	0.007	0.033	1.99	71.9	8.16
457	MJME-M2	253.00	254.00	1.00	Sil. Argillized tuff with hematitization	<0.01	<5	<0.001	0.004	<0.001	0.007	0.029	0.54	66.6	10.3
458	MJME-M2	254.00	255.00	1.00	Sil. Argillized tuff with hematitization	<0.01	<5	<0.001	0.003	<0.001	0.008	0.020	0.31	67.6	9.71
459	MJME-M2	255.00	257.00	2.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.004	<0.001	0.006	0.013	0.06	53.2	6.53
460	MJME-M2	257.00	259.00	2.00	Sil. Argillized tuff with hematitization	<0.01	<5	<0.001	0.006	<0.001	0.008	0.018	0.09	53.4	7.05
461	MJME-M2	259.00	261.00	2.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.003	<0.001	0.007	0.011	0.06	51.6	6.68
462	MJME-M2	261.00	262.00	1.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.004	<0.001	0.006	0.010	0.07	54.6	6.10
463	MJME-M2	262.00	263.80	1.80	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.009	0.010	0.15	52.1	6.14
464	MJME-M2	263.80	265.55	1.75	Sil. Argillized tuff with hematite veinlets and films	<0.01	<5	<0.001	0.003	<0.001	0.005	0.011	0.89	69.1	5.80
465	MJME-M2	265.55	268.00	2.45	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.005	0.009	0.25	49.7	6.01
466	MJME-M2	268.00	269.00	1.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.008	0.009	0.33	49.4	5.70
467	MJME-M2	269.00	270.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.004	<0.001	0.006	0.008	0.13	58.5	5.17
468	MJME-M2	270.00	272.00	2.00	Andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.006	0.008	0.03	56.3	5.51
469	MJME-M2	272.00	273.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.006	<0.001	0.007	0.008	0.05	56.9	5.13
470	MJME-M2	273.00	274.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.005	0.007	0.04	62.3	5.52
471	MJME-M2	274.00	275.00	1.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.007	0.010	0.11	50.6	5.92
472	MJME-M2	275.00	276.10	1.10	Andesite porphyry dyke	<0.01	<5	<0.001	0.004	<0.001	0.006	0.009	0.13	50.2	5.58
473	MJME-M2	276.10	278.00	1.90	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.004	0.009	0.13	48.0	5.76
474	MJME-M2	278.00	280.00	2.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.006	<0.001	0.006	0.009	0.12	49.0	5.78
475	MJME-M2	280.00	282.00	2.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.007	0.009	0.16	47.9	5.75
476	MJME-M2	282.00	283.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.004	<0.001	0.006	0.008	0.44	52.6	5.38
477	MJME-M2	283.00	284.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.009	<0.001	0.007	0.008	0.56	54.0	5.47
478	MJME-M2	284.00	285.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.007	0.007	0.43	51.0	5.37
479	MJME-M2	285.00	286.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.004	<0.001	0.004	0.008	0.34	52.1	5.22
480	MJME-M2	286.00	287.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.004	<0.001	0.007	0.008	0.50	55.1	5.22

Appendix 16 (4) Ore assay results for drilling core of MJME-M1 and MJME-M2 (9/11)

Ser. No.	Hole No.	Core sample depth (m) from	to	Core length (m)	Description	Au g/t	Ag g/t	As %	Cu %	Mo %	Pb %	Zn %	S %	SiO2 %	Fe %
481	MJME-M2	287.00	288.00	1.00	Andesitic tuff	<0.01	<5	<0.001	0.004	<0.001	0.008	0.008	0.85	54.5	5.33
482	MJME-M2	288.00	290.00	2.00	Andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.007	0.009	0.50	55.3	5.38
483	MJME-M2	290.00	293.00	3.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.004	<0.001	0.008	0.011	0.17	46.4	6.14
484	MJME-M2	293.00	296.50	3.50	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.007	0.011	0.20	45.3	6.21
485	MJME-M2	296.50	298.00	1.50	sil.-ser. Tuff with pyrite dissemination and pyrite veinlets	<0.01	<5	<0.001	0.008	<0.001	0.006	0.001	5.04	67.4	5.52
486	MJME-M2	298.00	299.00	1.00	sil.-ser. Tuff with pyrite dissemination and pyrite veinlets	<0.01	<5	0.001	0.005	<0.001	0.007	0.001	5.62	68.5	6.12
487	MJME-M2	299.00	300.00	1.00	sil.-ser. Tuff with pyrite dissemination and pyrite veinlets	<0.01	<5	0.001	0.004	<0.001	0.006	0.004	5.96	69.7	6.55
488	MJME-M2	300.00	301.00	1.00	sil.-ser. Tuff with pyrite dissemination and pyrite veinlets	<0.01	<5	<0.001	0.004	<0.001	0.006	0.001	5.54	67.7	6.10
489	MJME-M2	301.00	302.00	1.00	sil.-ser. Tuff with pyrite dissemination and pyrite veinlets	<0.01	<5	<0.001	0.007	<0.001	0.006	0.002	5.68	71.4	6.23
490	MJME-M2	302.00	303.00	1.00	sil.-ser. Tuff with pyrite dissemination and pyrite veinlets	<0.01	<5	0.001	0.004	<0.001	0.005	0.001	5.49	60.8	6.01
491	MJME-M2	303.00	304.00	1.00	sil.-ser. Tuff with pyrite dissemination and pyrite veinlets	<0.01	<5	<0.001	0.006	<0.001	0.005	0.001	4.32	69.8	4.58
492	MJME-M2	304.00	305.00	1.00	sil.-ser. Tuff with pyrite dissemination and pyrite veinlets	<0.01	<5	<0.001	0.005	<0.001	0.005	0.001	4.38	67.5	4.54
493	MJME-M2	305.00	306.40	1.40	sil.-ser. Tuff with pyrite dissemination and pyrite veinlets	<0.01	<5	<0.001	0.005	<0.001	0.005	0.001	5.39	64.3	5.94
494	MJME-M2	306.40	307.20	0.80	andesitic tuff	<0.01	<5	<0.001	0.008	<0.001	0.006	0.013	1.43	55.3	5.90
495	MJME-M2	307.20	307.75	0.55	Andesite porphyry dyke with hematite veinlets	<0.01	<5	<0.001	0.011	<0.001	0.005	0.030	0.40	57.4	8.24
496	MJME-M2	307.75	308.80	1.05	andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.007	0.013	0.38	62.3	6.18
497	MJME-M2	308.80	309.90	1.10	andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.005	0.009	0.45	60.8	4.99
498	MJME-M2	309.90	310.80	0.90	Andesite porphyry dyke	<0.01	<5	<0.001	0.003	<0.001	0.006	0.013	0.31	56.5	6.82
499	MJME-M2	310.80	312.20	1.40	andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.005	0.009	0.26	59.6	5.18
500	MJME-M2	312.20	313.85	1.65	Andesite porphyry dyke	<0.01	<5	<0.001	0.002	<0.001	0.008	0.028	0.22	59.5	7.46
501	MJME-M2	313.85	314.90	1.05	andesitic tuff	<0.01	<5	<0.001	0.001	<0.001	0.007	0.029	0.03	66.0	8.00
502	MJME-M2	314.90	315.90	1.00	andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.007	0.009	0.04	60.2	5.39
503	MJME-M2	315.90	317.90	2.00	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.008	0.013	0.12	46.6	6.87
504	MJME-M2	317.90	319.10	1.20	Andesite porphyry dyke	<0.01	<5	<0.001	0.005	<0.001	0.008	0.013	0.11	45.9	7.12
505	MJME-M2	319.10	320.00	0.90	andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.008	0.023	0.28	61.9	7.22
506	MJME-M2	320.00	321.00	1.00	andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.005	0.023	0.12	65.9	7.08
507	MJME-M2	321.00	322.00	1.00	andesitic tuff	<0.01	<5	0.001	0.002	<0.001	0.007	0.006	2.32	68.2	4.52
508	MJME-M2	322.00	323.00	1.00	andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.006	0.023	1.01	65.3	7.34
509	MJME-M2	323.00	324.00	1.00	andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.005	0.023	0.25	63.4	7.92
510	MJME-M2	324.00	325.00	1.00	silicified tuff with py veinlets	<0.01	<5	0.001	0.004	<0.001	0.007	0.002	2.71	67.6	3.88
511	MJME-M2	325.00	326.00	1.00	silicified tuff with py veinlets	<0.01	<5	<0.001	0.004	<0.001	0.008	0.003	5.15	66.5	6.28
512	MJME-M2	326.00	327.00	1.00	silicified tuff with py veinlets	<0.01	<5	0.001	0.005	<0.001	0.009	0.005	3.48	64.9	4.43
513	MJME-M2	327.00	328.00	1.00	silicified tuff with py veinlets	<0.01	<5	0.001	0.002	<0.001	0.010	0.013	0.85	56.2	1.68
514	MJME-M2	328.00	330.00	2.00	Argillized rock	<0.01	<5	<0.001	0.006	<0.001	0.009	0.016	2.35	60.4	2.90
515	MJME-M2	330.00	332.60	2.60	Argillized rock with fluorite vein and pyrophyrite veins	0.01	137	<0.001	0.160	<0.001	0.007	0.057	2.70	63.3	5.08
516	MJME-M2	332.60	337.20	4.60	Slime fragments in open fault	<0.01	6	<0.001	0.011	<0.001	0.006	0.004	2.44	69.2	4.25
517	MJME-M2	337.20	339.00	1.80	silicified tuff with py veinlets	<0.01	<5	<0.001	0.007	<0.001	0.005	0.002	3.24	67.5	4.50
518	MJME-M2	339.00	341.00	2.00	silicified tuff with py veinlets	<0.01	<5	<0.001	0.009	<0.001	0.006	0.002	6.32	56.2	6.30
519	MJME-M2	341.00	343.00	2.00	silicified tuff with py veinlets	<0.01	<5	<0.001	0.004	<0.001	0.008	0.004	6.30	63.6	6.96
520	MJME-M2	343.00	344.00	1.00	silicified tuff with py veinlets	<0.01	<5	<0.001	0.005	<0.001	0.007	0.001	4.95	65.2	5.27
521	MJME-M2	344.00	345.00	1.00	silicified tuff with py veinlets	<0.01	<5	<0.001	0.003	<0.001	0.007	0.001	3.69	70.3	3.97
522	MJME-M2	345.00	346.00	1.00	silicified tuff with py veinlets	<0.01	<5	0.001	0.004	<0.001	0.007	0.001	3.56	64.7	3.76
523	MJME-M2	346.00	347.00	1.00	silicified tuff with py veinlets	<0.01	<5	<0.001	0.002	<0.001	0.006	0.001	3.43	69.8	3.43
524	MJME-M2	347.00	348.00	1.00	silicified tuff with py veinlets	<0.01	<5	0.001	0.004	0.001	0.006	0.003	3.94	71.8	2.95
525	MJME-M2	348.00	349.00	1.00	silicified tuff with py veinlets	<0.01	<5	0.001	0.002	<0.001	0.009	0.007	4.49	66.3	5.01
526	MJME-M2	349.00	350.00	1.00	silicified tuff with py veinlets	<0.01	<5	<0.001	0.002	<0.001	0.006	0.006	3.07	71.4	4.04
527	MJME-M2	350.00	352.00	2.00	Andesitic welded tuff	<0.01	<5	<0.001	0.004	<0.001	0.004	0.029	1.94	61.6	7.41
528	MJME-M2	352.00	354.00	2.00	andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.005	0.009	0.82	58.6	5.70
529	MJME-M2	354.00	356.00	2.00	andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.008	0.010	0.29	56.1	5.01
530	MJME-M2	356.00	358.00	2.00	andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.006	0.009	0.66	55.0	5.07
531	MJME-M2	358.00	360.00	2.00	andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.007	0.010	0.42	61.0	5.21
532	MJME-M2	360.00	362.35	2.35	andesitic tuff	<0.01	<5	<0.001	0.004	<0.001	0.006	0.010	0.58	59.1	5.00
533	MJME-M2	362.70	363.90	1.20	andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.005	0.008	0.57	56.1	4.89
534	MJME-M2	363.90	369.45	5.55	Andesite porphyry dyke	<0.01	<5	<0.001	0.006	<0.001	0.005	0.011	0.25	45.5	6.87
535	MJME-M2	369.45	371.20	1.75	andesitic tuff and thin andesite dyke	<0.01	<5	<0.001	0.010	<0.001	0.007	0.011	0.82	56.4	5.51
536	MJME-M2	371.20	373.20	2.00	andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.006	0.011	0.62	57.5	5.21
537	MJME-M2	373.20	375.20	2.00	andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.007	0.009	0.49	54.7	5.34
538	MJME-M2	375.20	377.20	2.00	andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.007	0.011	0.10	54.0	5.43
539	MJME-M2	377.20	379.20	2.00	andesitic tuff	<0.01	<5	<0.001	0.004	<0.001	0.005	0.010	0.28	56.1	5.50
540	MJME-M2	379.20	380.30	1.10	andesitic tuff	<0.01	<5	<0.001	<0.001	<0.001	0.007	0.011	0.51	59.4	7.76

Appendix 16 (4) Ore assay results for drilling core of MJME-M1 and MJME-M2 (10/11)

Ser. No.	Hole No.	Core sample depth (m) from	to	Core length (m)	Description	Au g/t	Ag g/t	As %	Cu %	Mo %	Pb %	Zn %	S %	SiO2 %	Fe %
541	MJME-M2	380.30	382.30	2.00	silicified tuff with qtz-py stock work	<0.01	<5	0.002	0.005	<0.001	0.008	0.008	3.73	59.0	3.32
542	MJME-M2	382.30	384.30	2.00	silicified tuff	<0.01	<5	0.002	0.003	<0.001	0.006	0.001	3.13	72.6	2.69
543	MJME-M2	384.30	386.30	2.00	silicified tuff	<0.01	<5	<0.001	0.002	0.001	0.008	0.001	2.43	71.1	1.92
544	MJME-M2	386.30	388.50	2.20	silicified tuff with py network	<0.01	<5	0.001	0.005	<0.001	0.007	0.004	3.30	68.4	2.93
545	MJME-M2	388.50	391.00	2.50	Andesitic welded tuff with py network	<0.01	<5	<0.001	0.005	<0.001	0.006	0.021	3.32	57.6	8.07
546	MJME-M2	391.00	393.35	2.35	Andesitic welded tuff with py network	<0.01	<5	<0.001	0.005	<0.001	0.004	0.020	1.62	60.1	8.01
547	MJME-M2	393.35	395.35	2.00	silicified tuff with py dissemination	<0.01	<5	<0.001	0.003	<0.001	0.007	0.011	3.63	66.1	3.24
548	MJME-M2	395.35	396.40	1.05	silicified tuff with py dissemination	<0.01	<5	<0.001	0.003	<0.001	0.008	0.002	4.77	65.1	3.89
549	MJME-M2	396.40	397.40	1.00	silicified tuff with py dissemination	<0.01	<5	<0.001	0.008	<0.001	0.008	0.002	6.43	63.4	7.48
550	MJME-M2	397.40	398.40	1.00	silicified tuff with py dissemination	<0.01	<5	<0.001	0.003	<0.001	0.011	0.001	6.60	56.7	5.63
551	MJME-M2	398.40	399.40	1.00	silicified tuff with py dissemination	<0.01	<5	<0.001	0.002	<0.001	0.006	0.001	6.39	66.6	5.03
552	MJME-M2	399.40	400.40	1.00	silicified tuff with py dissemination	<0.01	<5	<0.001	0.004	<0.001	0.008	0.001	5.02	68.7	3.88
553	MJME-M2	400.40	401.40	1.00	silicified tuff with py dissemination	<0.01	<5	<0.001	0.004	<0.001	0.008	0.001	6.21	70.1	6.46
554	MJME-M2	401.40	402.40	1.00	silicified tuff with py dissemination	<0.01	<5	0.001	0.003	0.001	0.010	0.002	3.34	68.0	3.30
555	MJME-M2	402.40	403.95	1.55	silicified tuff with py dissemination	<0.01	<5	<0.001	0.004	<0.001	0.009	0.001	5.01	61.2	4.58
556	MJME-M2	405.60	407.00	1.40	silicified tuff with py dissemination	<0.01	<5	<0.001	0.007	<0.001	0.006	0.007	6.73	48.9	4.49
557	MJME-M2	407.00	407.85	0.85	silicified tuff with py dissemination	<0.01	<5	<0.001	0.002	<0.001	0.007	0.031	1.78	68.4	6.97
558	MJME-M2	407.85	408.90	1.05	silicified tuff with py dissemination	<0.01	<5	<0.001	0.004	<0.001	0.006	0.003	3.35	72.4	3.34
559	MJME-M2	408.90	409.90	1.00	silicified tuff with py dissemination	<0.01	<5	<0.001	0.005	<0.001	0.006	0.003	6.20	70.5	6.73
560	MJME-M2	409.90	410.90	1.00	silicified tuff with py dissemination	<0.01	<5	<0.001	0.001	<0.001	0.006	0.005	6.34	64.3	8.58
561	MJME-M2	410.90	411.90	1.00	silicified tuff with py dissemination	<0.01	<5	<0.001	0.002	<0.001	0.006	0.002	5.47	61.3	5.62
562	MJME-M2	411.90	413.25	1.35	silicified tuff with py dissemination	<0.01	<5	<0.001	0.003	<0.001	0.006	0.008	5.26	67.9	5.05
563	MJME-M2	413.85	414.90	1.05	silicified tuff with stockwork sulphyde veinlets and diss.	<0.01	<5	<0.001	0.008	<0.001	0.004	0.003	7.55	61.8	5.14
564	MJME-M2	414.90	415.90	1.00	silicified tuff with stockwork sulphyde veinlets and diss.	<0.01	<5	<0.001	0.034	<0.001	0.004	0.005	8.55	58.7	6.41
565	MJME-M2	415.90	416.90	1.00	silicified tuff with stockwork sulphyde veinlets and diss.	<0.01	<5	<0.001	0.005	<0.001	0.006	0.001	7.93	54.2	6.38
566	MJME-M2	416.90	417.90	1.00	silicified tuff with stockwork sulphyde veinlets and diss.	<0.01	<5	<0.001	0.004	<0.001	0.006	0.001	7.57	53.3	5.23
567	MJME-M2	417.90	418.90	1.00	silicified tuff with py dissemination	<0.01	<5	<0.001	0.006	<0.001	0.005	0.001	6.01	64.2	5.49
568	MJME-M2	418.90	420.50	1.60	silicified tuff with py dissemination	<0.01	<5	<0.001	0.004	<0.001	0.004	0.001	4.93	59.3	4.98
569	MJME-M2	420.50	422.50	2.00	andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.005	0.017	1.12	56.0	6.71
570	MJME-M2	422.50	424.70	2.20	andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.005	0.010	0.43	60.1	5.73
571	MJME-M2	425.80	427.80	2.00	andesitic tuff	<0.01	<5	<0.001	0.002	<0.001	0.005	0.007	0.10	57.4	5.14
572	MJME-M2	427.80	429.80	2.00	andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.004	0.007	0.18	56.6	5.01
573	MJME-M2	429.80	431.80	2.00	andesitic tuff	<0.01	<5	<0.001	0.003	<0.001	0.003	0.008	0.23	54.4	5.23
574	MJME-M2	431.80	433.00	1.20	silicified sericitized rock	<0.01	<5	<0.001	0.005	<0.001	0.006	0.010	2.61	54.8	5.94
575	MJME-M2	433.00	434.00	1.00	silicified sericitized rock with cubic pyrite spots	<0.01	<5	<0.001	0.007	<0.001	0.006	0.007	5.23	61.2	6.28
576	MJME-M2	434.00	435.00	1.00	silicified sericitized rock with cubic pyrite spots	<0.01	<5	<0.001	0.009	<0.001	0.005	0.004	4.83	64.1	5.37
577	MJME-M2	435.00	436.00	1.00	silicified sericitized rock with cubic pyrite spots	<0.01	<5	<0.001	0.012	<0.001	0.007	0.003	3.13	67.4	3.82
578	MJME-M2	436.00	437.00	1.00	silicified sericitized rock with cubic pyrite spots	<0.01	<5	<0.001	0.010	<0.001	0.005	0.004	3.54	60.2	4.10
579	MJME-M2	437.00	438.00	1.00	silicified sericitized rock with cubic pyrite spots	<0.01	<5	<0.001	0.005	<0.001	0.005	0.004	4.49	55.4	4.96
580	MJME-M2	438.00	439.00	1.00	silicified sericitized rock with cubic pyrite spots	<0.01	<5	<0.001	0.007	<0.001	0.006	0.004	5.43	69.5	5.83
581	MJME-M2	439.00	440.00	1.00	silicified sericitized rock with cubic pyrite spots	<0.01	<5	<0.001	0.006	<0.001	0.006	0.006	5.41	66.3	5.72
582	MJME-M2	440.00	441.00	1.00	silicified sericitized rock with cubic pyrite spots	<0.01	<5	<0.001	0.007	<0.001	0.005	0.006	4.61	67.7	5.05
583	MJME-M2	441.00	442.00	1.00	silicified sericitized rock with cubic pyrite spots	<0.01	<5	<0.001	0.004	<0.001	0.006	0.013	5.56	62.3	5.99
584	MJME-M2	442.00	443.00	1.00	silicified sericitized rock with cubic pyrite spots	<0.01	<5	<0.001	0.004	<0.001	0.004	0.010	4.75	59.1	5.05
585	MJME-M2	443.00	444.00	1.00	silicified sericitized rock with cubic pyrite spots	<0.01	<5	<0.001	0.004	<0.001	0.007	0.006	5.39	66.8	5.75
586	MJME-M2	444.00	445.00	1.00	silicified sericitized rock with cubic pyrite spots	<0.01	<5	<0.001	0.004	<0.001	0.007	0.004	5.74	61.2	6.26
587	MJME-M2	445.00	446.00	1.00	silicified sericitized rock with cubic pyrite spots	<0.01	<5	<0.001	0.005	<0.001	0.005	0.012	3.30	55.6	5.45
588	MJME-M2	446.00	447.00	1.00	silicified tuff	<0.01	<5	<0.001	0.002	<0.001	0.004	0.012	1.00	52.3	4.61
589	MJME-M2	447.00	448.00	1.00	silicified tuff	<0.01	<5	<0.001	0.004	<0.001	0.005	0.011	0.42	52.7	4.93
590	MJME-M2	448.00	450.00	2.00	silicified tuff	<0.01	<5	<0.001	0.006	<0.001	0.004	0.011	0.31	58.7	5.09
591	MJME-M2	450.00	452.00	2.00	silicified tuff	<0.01	<5	<0.001	0.005	<0.001	0.006	0.010	0.29	56.2	5.23
592	MJME-M2	452.00	454.00	2.00	silicified tuff	<0.01	<5	<0.001	0.005	<0.001	0.006	0.008	0.35	52.0	5.39
593	MJME-M2	454.00	456.30	2.30	silicified tuff	<0.01	<5	<0.001	0.004	<0.001	0.006	0.007	1.20	61.0	5.25
594	MJME-M2	456.30	457.30	1.00	silicified tuff with qtz-epi-py veinlets and py disemination	<0.01	<5	<0.001	0.003	<0.001	0.005	0.006	4.42	60.8	5.19
595	MJME-M2	457.30	458.30	1.00	silicified tuff	<0.01	<5	<0.001	0.004	<0.001	0.005	0.006	2.28	59.8	5.84
596	MJME-M2	458.30	460.00	1.70	silicified tuff with epi-py veinlets	<0.01	<5	<0.001	0.005	<0.001	0.005	0.007	3.81	57.3	4.93
597	MJME-M2	460.00	462.00	2.00	silicified tuff	<0.01	<5	<0.001	0.003	<0.001	0.006	0.007	1.01	57.0	5.03
598	MJME-M2	462.00	462.40	0.40	silicified tuff with qtz-cp-py veinlets and dissemination	<0.01	<5	<0.001	0.040	<0.001	0.005	0.006	3.27	61.0	5.43
599	MJME-M2	462.40	464.00	1.60	silicified tuff	<0.01	<5	<0.001	0.004	<0.001	0.006	0.007	1.02	58.4	4.82
600	MJME-M2	464.00	466.00	2.00	silicified tuff	<0.01	<5	<0.001	0.005	<0.001	0.006	0.009	0.90	59.3	5.58

Appendix 16 (4) Ore assay results for drilling core of MJME-M1 and MJME-M2 (11/11)

Ser. No.	Hole No.	Core sample depth (m) from	to	Core length (m)	Description	Au g/t	Ag g/t	As %	Cu %	Mo %	Pb %	Zn %	S %	SiO2 %	Fe %
601	MJME-M2	466.00	468.00	2.00	silicified tuff	<0.01	<5	<0.001	0.004	<0.001	0.006	0.007	0.58	62.5	4.83
602	MJME-M2	468.00	470.05	2.05	silicified tuff	<0.01	<5	<0.001	0.004	<0.001	0.007	0.007	0.32	59.8	4.64
603	MJME-M2	470.05	472.00	1.95	Andesite porphyry dyke	<0.01	<5	<0.001	0.004	<0.001	0.006	0.013	0.22	49.2	6.43
604	MJME-M2	472.00	475.05	3.05	silicified tuff	<0.01	<5	<0.001	0.005	<0.001	0.006	0.011	0.13	49.5	5.87
605	MJME-M2	475.05	477.00	1.95	Andesite porphyry dyke	<0.01	<5	<0.001	0.007	<0.001	0.007	0.010	0.40	53.2	5.71
606	MJME-M2	477.00	477.25	0.25	strongly sil.-rock	<0.01	<5	<0.001	0.007	<0.001	0.007	0.010	0.49	51.0	5.06
607	MJME-M2	477.25	479.90	2.65	Andesite porphyry dyke with qtz-epi veinlets	<0.01	<5	<0.001	0.010	<0.001	0.006	0.010	0.41	49.6	5.40
608	MJME-M2	479.90	481.20	1.30	strongly sil.-rock	<0.01	<5	<0.001	0.007	<0.001	0.006	0.005	0.93	53.4	5.56
609	MJME-M2	481.20	484.50	3.30	Andesite porphyry dyke	<0.01	<5	<0.001	0.004	<0.001	0.006	0.011	0.69	52.0	5.80
610	MJME-M2	484.50	487.75	3.25	Andesite porphyry dyke with pyrite veinlets	<0.01	<5	<0.001	0.006	<0.001	0.010	0.028	6.92	43.9	4.99
611	MJME-M2	487.75	488.60	0.85	strongly sil.-rock	<0.01	<5	<0.001	0.008	<0.001	0.005	0.014	1.56	45.9	6.37
612	MJME-M2	488.60	490.00	1.40	Microgranodiorite	<0.01	<5	<0.001	0.009	<0.001	0.009	0.014	1.90	45.9	6.11
613	MJME-M2	490.00	493.10	3.10	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.006	0.010	0.35	55.0	5.73
614	MJME-M2	493.10	496.00	2.90	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.005	0.010	0.42	52.3	5.78
615	MJME-M2	496.00	498.40	2.40	Microgranodiorite	<0.01	<5	<0.001	0.005	<0.001	0.004	0.011	0.32	52.8	5.69
616	MJME-M2	498.40	499.40	1.00	strongly sil.-rock	<0.01	<5	<0.001	0.003	<0.001	0.005	0.012	1.34	63.7	5.20
617	MJME-M2	499.40	500.20	0.80	strongly sil.-rock	<0.01	<5	<0.001	0.002	<0.001	0.005	0.008	1.28	70.2	3.49
618	MJME-M1	334.60	334.70	0.10	Qtz.-epi.-cal. vein in granodiorite, including pyrite dissemination	0.02	<5	0.001	0.001	<0.001	0.005	0.004	2.73	37.1	5.89
619	MJME-M1	347.80	347.90	0.10	Qtz.-epi.-cal. vein in granodiorite, including pyrite dissemination	<0.01	<5	0.002	0.002	<0.001	0.018	0.076	4.85	47.5	8.64
620	MJME-M1	499.50	499.60	0.10	qtz.-epi.-chl. vein in granodiorite, including chalcopyrite dissemination	<0.01	<5	<0.001	0.065	<0.001	0.003	0.010	0.14	55.1	5.41

Appendix 16 (5)-1 Results of homogenization temperature and salinity of fluid inclusion samples

Type of fluid inclusions	Sample No.	Th: L+V			Th: CO_2(L)+CO_2(V)			Tm: Ice			Salinity(%) (NaCl eq.)
		Num.	Range	Ave.	Num.	Range	Ave.	Num.	Range	Ave.	
H_2O	MJG-M1_329.50-329.50	6	150 - 192	165.3	-	-	-	4	-5.1 - -4.9	-5.0	8.5
H_2O-CO_2	MJG-M1_385.10-385.20	5	17 - 204	147.4	2	17.5-29.0	23.3	5	-17- +7.3	-6.7	17.3
H_2O	MJG-M1_418.40-418.50	5	107 - 212	157.2	-	-	-	4	-3 - -1.4	-2.3	3.9
H2O	MJG-M2_105.75-105.80	15	143.7 - 291	188.0	-	-	-	16	-2.5 - +0.2	-0.8	1.8
H2O	MJG-M2_423.60-423.70	1	173	173.0	-	-	-	-	-	-	-
-	MJG-M2-499.6-499.70	Inclusions are too small for the measurement.									

Appendix 16 (5)-2 Homogenization temperature and salinity

MJMG-M1-329.50-329.55m

	Th:L-V (℃)	Tm:Ice (℃)	Salinity (%)	Size (μ m)	Form
a	150.0	-4.9	8.3	5.0	square
b	159.0	-5.1	8.7	3.0	square
c	170.0	-5.0	8.5	3.0	square
d	150.0	—	—	2.0	square
e	171.0	-4.9	8.3	4.0	square
f	192.0	—	—	2.0	square

MJMG-M1-385.10-329.55m

	Th:L-V (℃)	Th:CO_2 L-V (℃)	Tm:Ice (℃)	Salinity (%)	Size (μ m)	Form
a	250.0	17.5	—	—	10.0	square
b	130.0	—	—	—	5.0	oval
c	—	—	-17.0	28.9	12.0	infinite form
d	136.0	—	-17.0	28.9	8.0	square
e	—	29.0	7.3	—	12.0	square
f	—	—	—	—	5.0	square
g	17.0	—	-6.0	10.2	5.0	triangle
h	204.0	—	-0.7	1.2	10.0	square

MJMG-418.40-418.50m

	Th:L-V (℃)	Tm:Ice (℃)	Salinity (%)	Size (μ m)	Form	Discriptions
a	162.0	-2.5	4.3	7.0	square	calcite
b	155.0	-1.4	2.4	20.0	polymorphous	calcite
c	150.0	-2.2	3.7	7.0	square	calcite
d	212.0	-3.0	5.1	25.0	infinite form	calcite
e	107.0	—	—	<5	square	

MJMG-M2-105.75-105.80

	Th:L-V(℃)	Tm:Ice (℃)	Salinity (%)	Size (μ m)	Form	Discriptions
a	176.6	-0.6	1.0	20.0	square	—
b	164.5	0.2	—	7.0	pentagon	—
c	153.7	0.2	—	5.0	square	—
d	154.2	0.2	—	10.0	square	—
e	167.0	-1.5	2.6	7.0	square	—
f	143.7	-0.6	1.0	5.0	triangle	secondary
g	270.0	-0.6	1.0	15.0	square	—
h	153.5	-0.5	0.9	15.0	infinite form	—
i	149.2	-0.5	0.9	5.0	square	—
j	240.0	-0.5	0.9	10.0	square	—
k	164.0	-0.5	0.9	7.0	square	—
l	233.0	-2.0	3.4	20.0	square	—
m	291.0	-1.7	2.9	20.0	pentagon	—
n	—	-2.5	4.3	15.0	polymorphous	—
o	200.0	-0.5	0.9	20.0	polymorphous	—
p	160.0	-1.7	2.9	7.0	pentagon	—

MJMG-M2-422.6

	Th:L-V	Tm:Ice	salinity(%)	size(μ m)	form	discriptions
a	173.0	—	—	20.0	—	only one inclusion for measurement

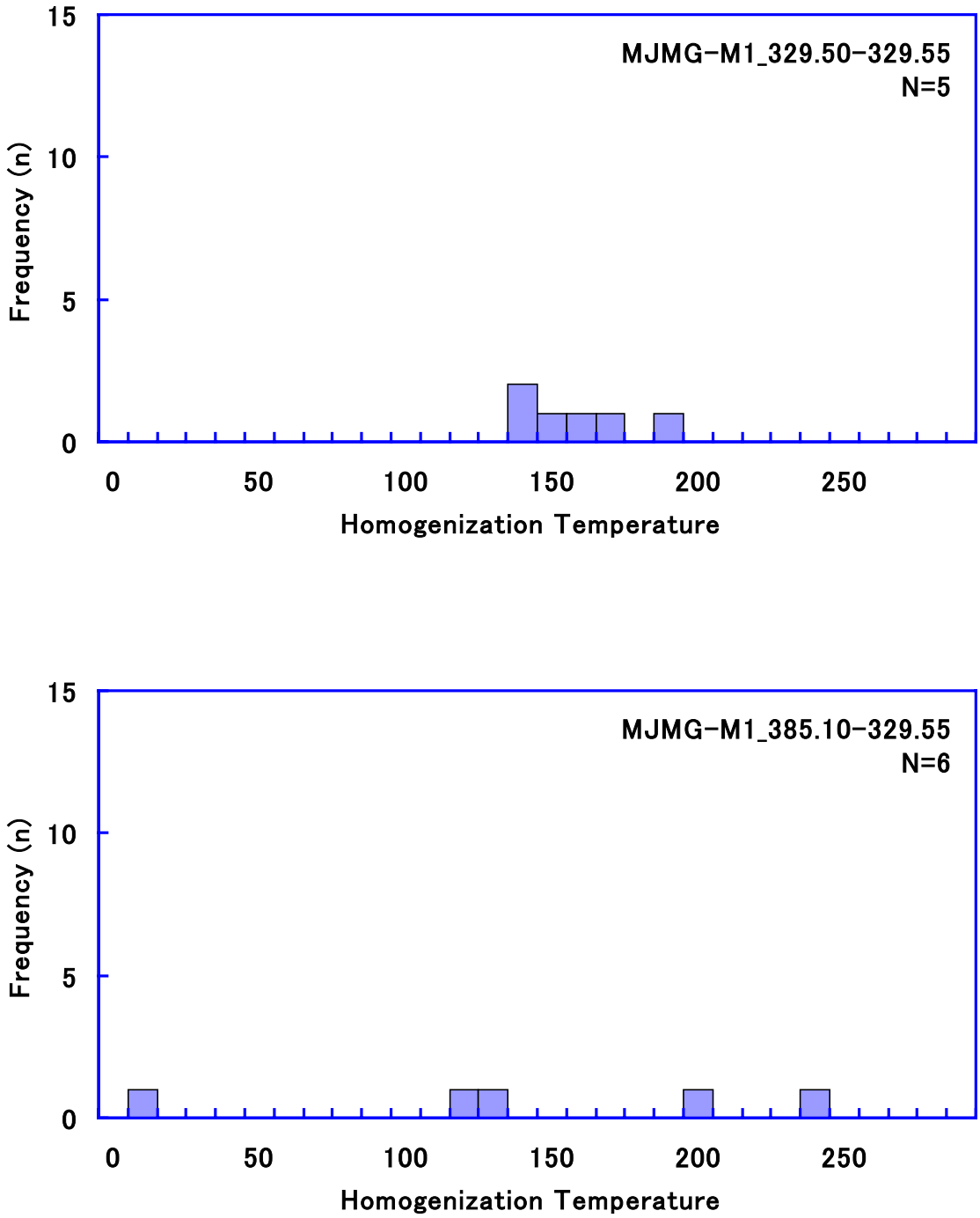


Figure 1 Histogram of homogenization temperature

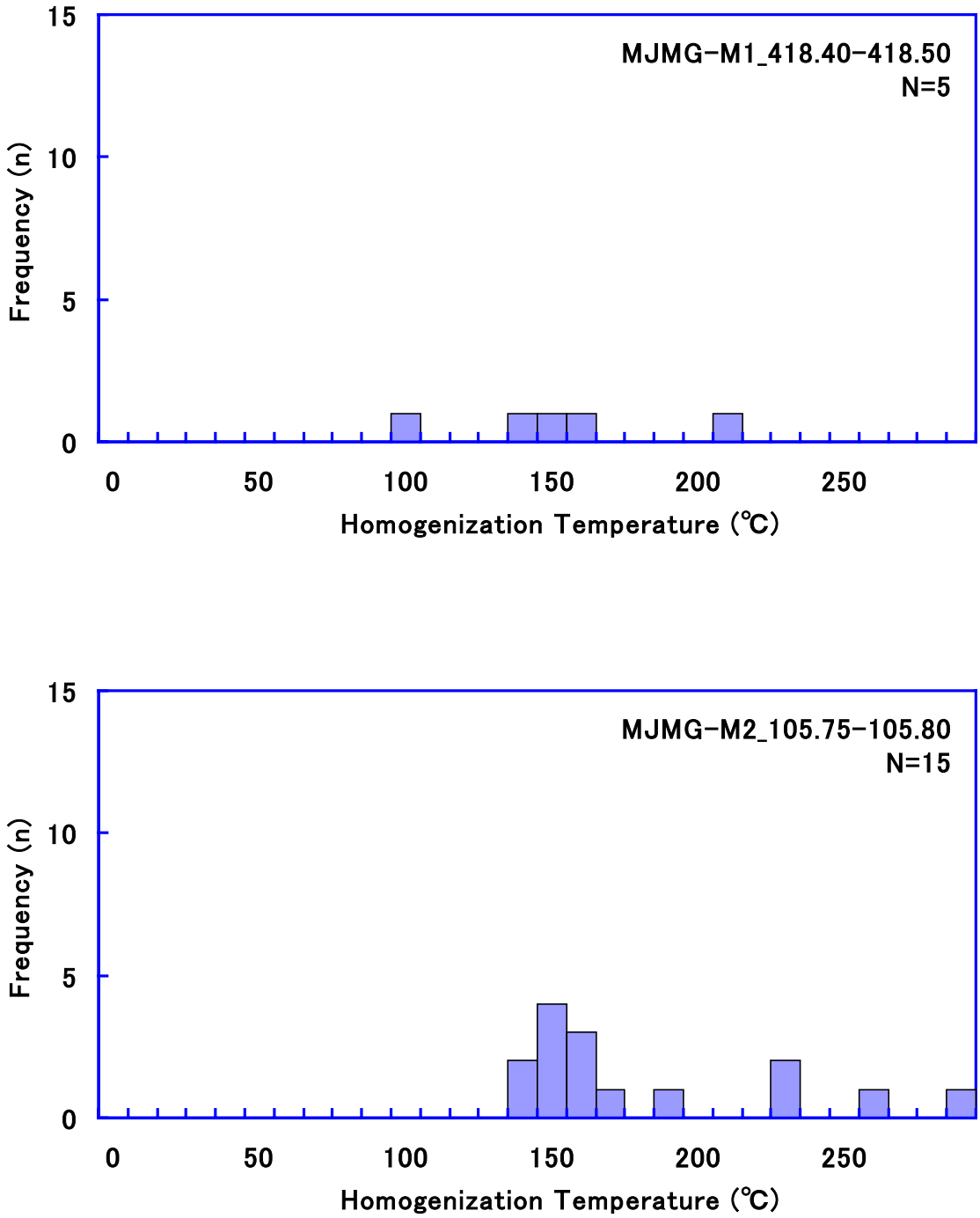


Figure 2 Histogram of homogenization temperature

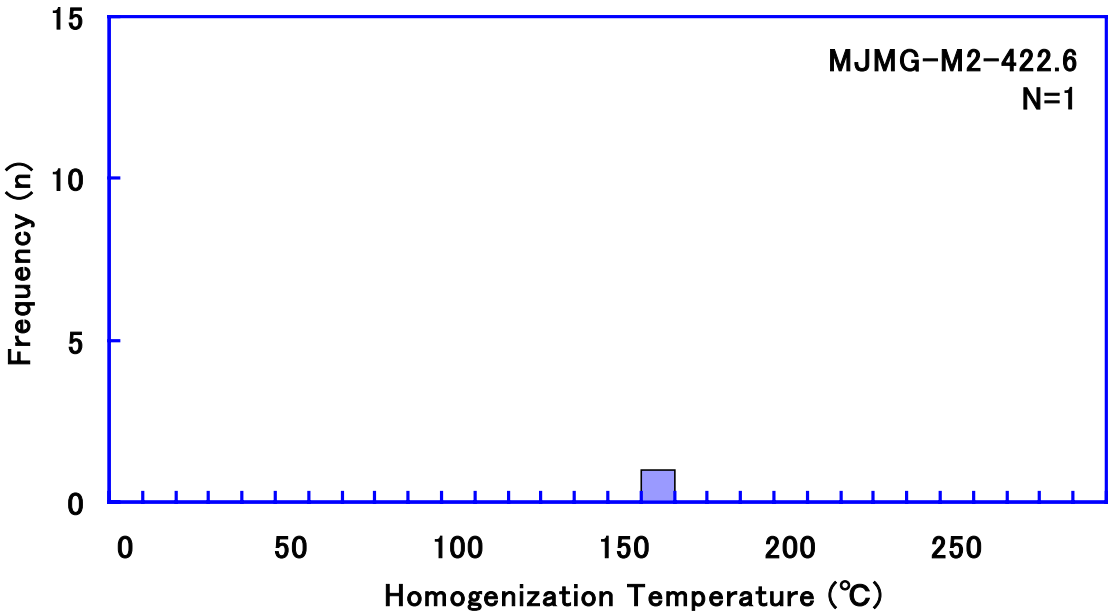


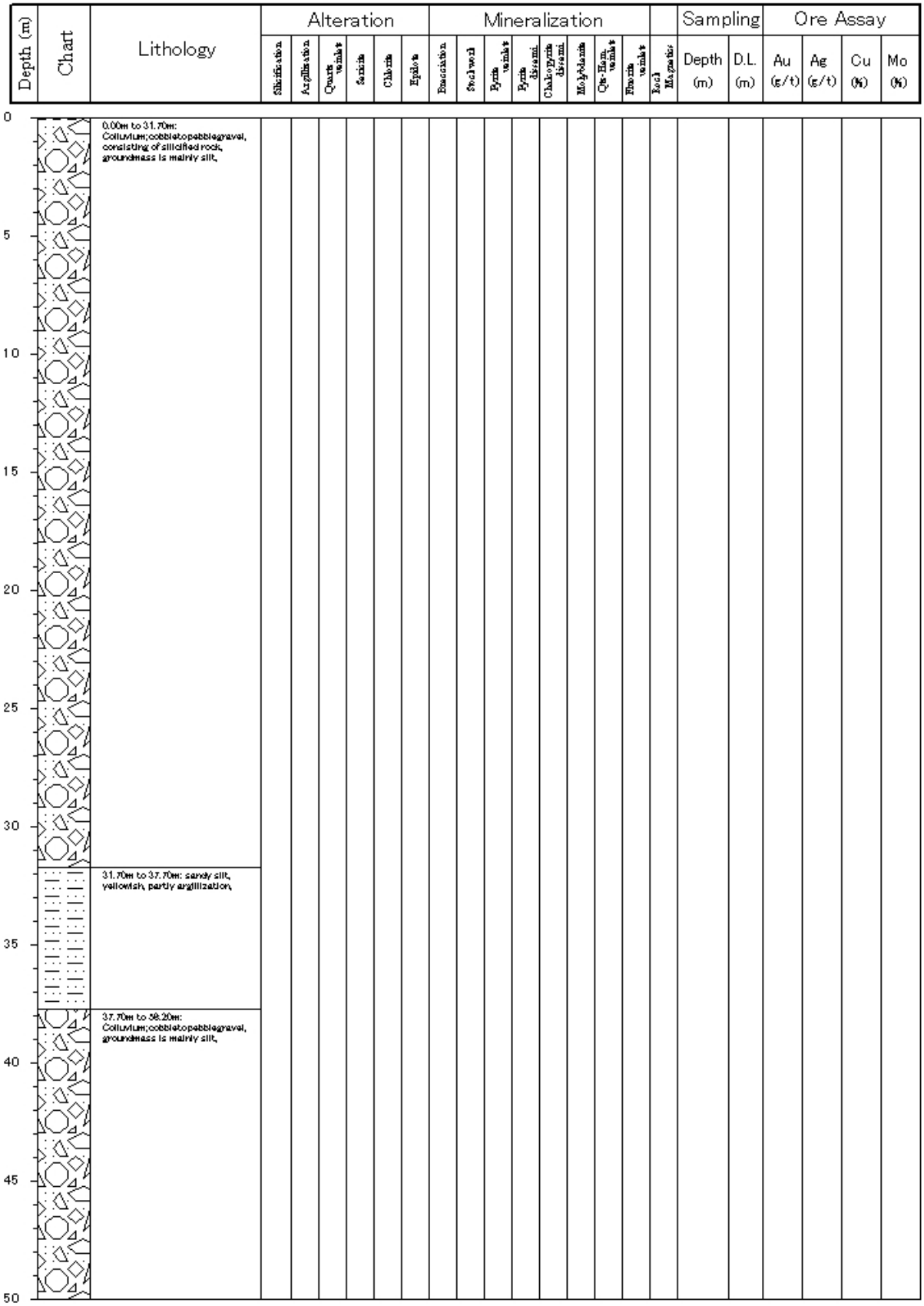
Figure 3 Histogram of homogenization temperature

Appendix 16 (6) Resistivity and chargeability of drilling core samples

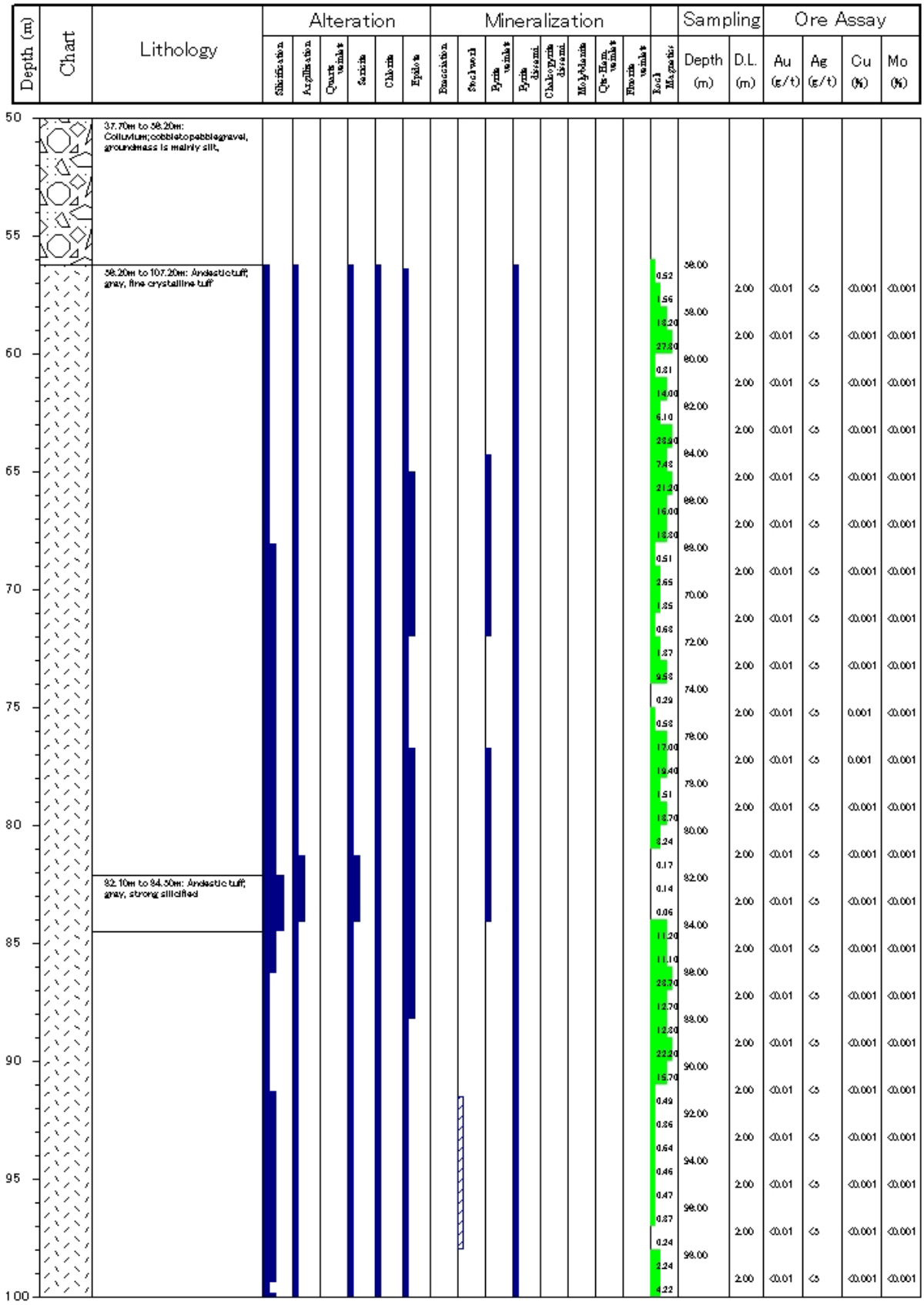
Ser. No.	Hole No.	Core sample depth (m)		Rock Name	Geological Unit	Description	Resistivity (Ωm)	Chargeability (mV/V)
		from	to					
1	MJME-M1	99.52	99.63	Andesitic tuff	αβtfT2-J1	weak sil., mod. chl., moderate sericite, weak py. veins and diss.	10,636.67	4.38
2	MJME-M1	199.87	199.98	Diorite porphyry	δ3P2-T1s	moderate chlorite, weak epidote, very weak pyrite dissemination	4,319.34	5.93
3	MJME-M1	300.85	301.00	Granodiorite	γδ2P2-T1s	clay veinlets, weak chlorite, weak epidote	10,460.44	8.58
4	MJME-M1	403.02	403.14	Granodiorite	γδ2P2-T1s	moderate chlorite, strong epidotization	2,999.62	7.10
5	MJME-M1	500.03	500.11	Granodiorite with epi-chl	γδ2P2-T1s	epidote veins, epi-calcite veinlets, brownish clay veinlets, weak sericite, mooderate chlorite, weak epidote, K-alteration	5,820.23	8.83
6	MJME-M2	100.30	100.40	str. sil. rock with	AZ	str. silicification, mod. argillization, strong sericitization, mod. pyritization	531.52	8.10
7	MJME-M2	190.20	190.35	Andesitic tuff	αβtfT2-J1	Sil. Argillized tuff with qtz-hem-chl-spec. veinlets and spots	1,244.45	16.80
8	MJME-M2	302.30	302.50	Andesitic tuff	αβtfT2-J1	sil.-ser. Tuff with pyrite dissemination and pyrite veinlets	7,783.14	4.43
9	MJME-M2	397.45	397.56	sheared tuff	αβtfT2-J1	brecciation, mod. silicif., mod sericitization, strong argilization, weak pyritization, gypsum, qtz. Veinlet, fluorite veinlet	2,067.65	2.82
10	MJME-M2	498.54	498.66	Andesitic tuff	αβtfT2-J1	strongly sil.-rock	2,609.59	4.47

Appendix 17　Drilling results for hole No. MJME-M1 and MJME-M2

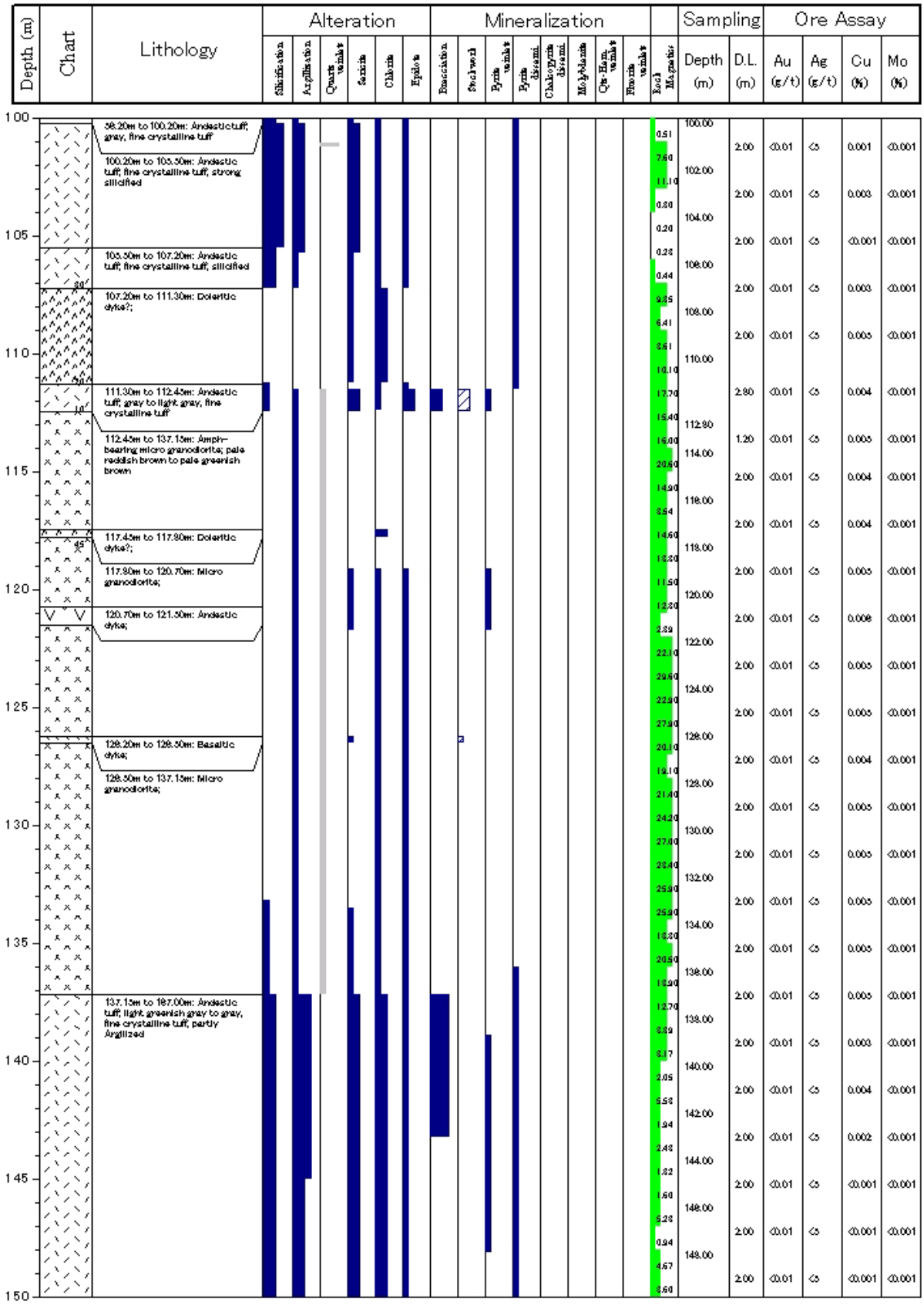
Hole No. MJME-M1 (501.80 m ; from 0.00 m to 50.00 m)



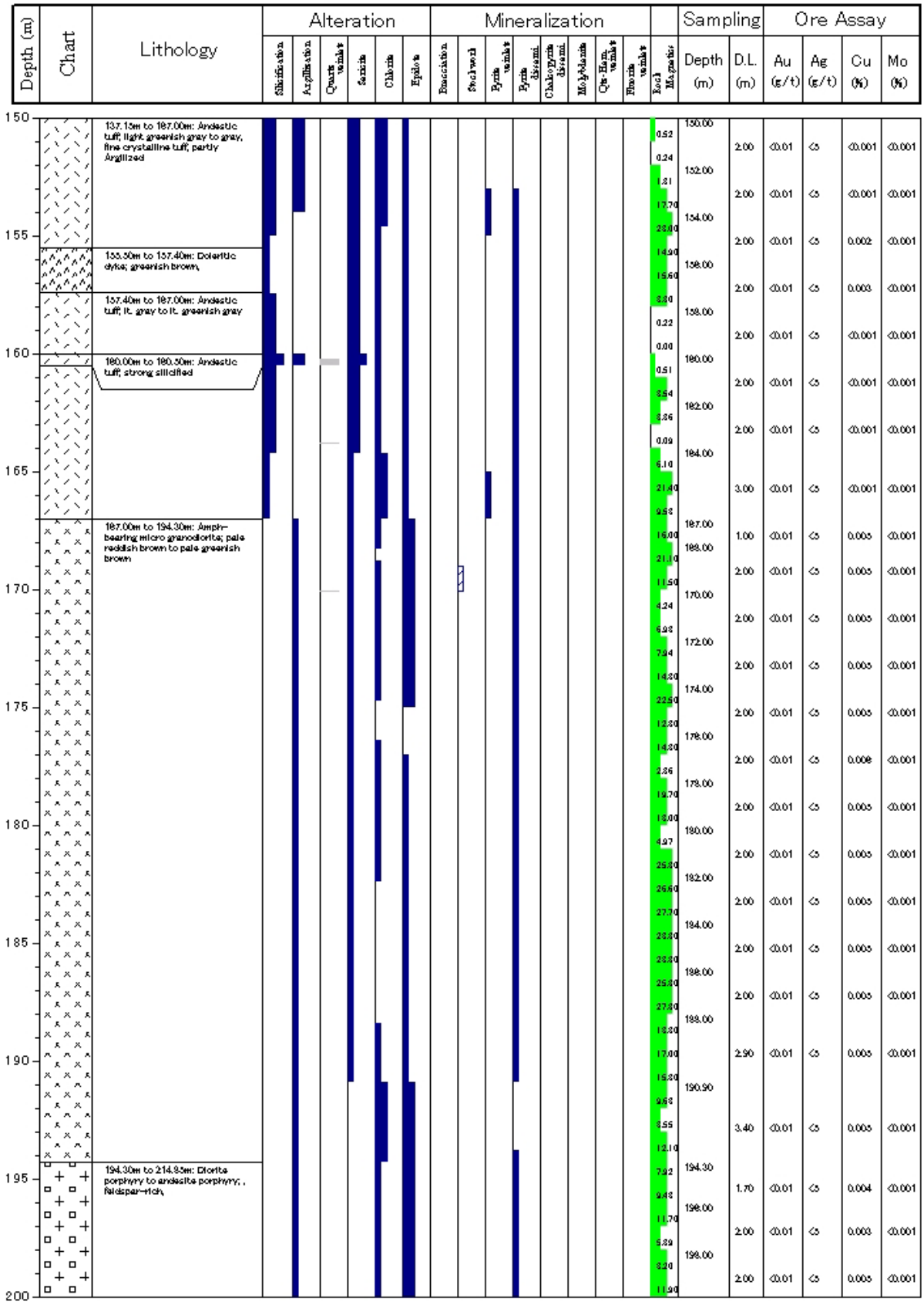
Hole No. MJME-M1 (501.80 m ; from 50.00 m to 100.00 m)



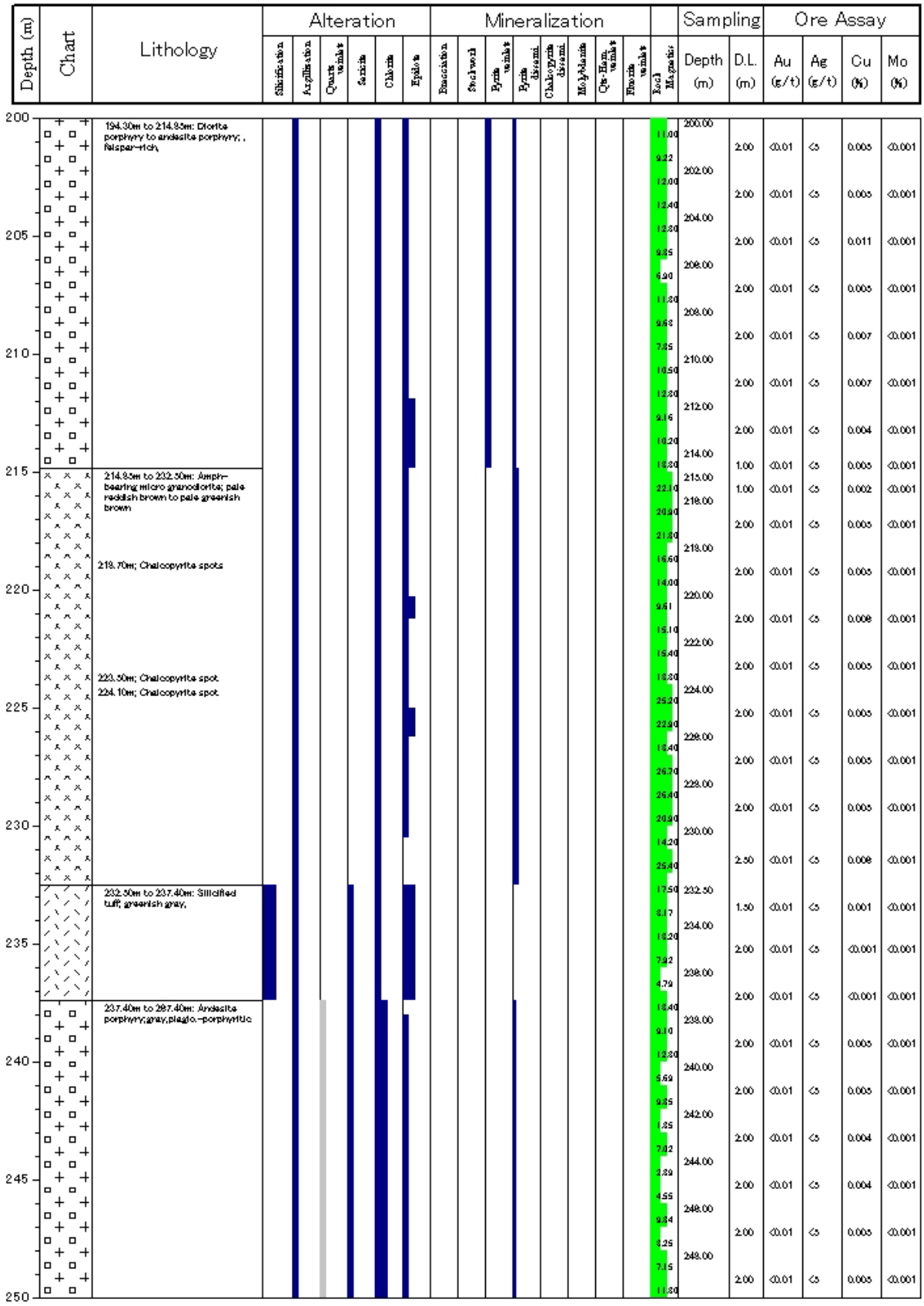
Hole No. MJME-M1 (501.80 m ; from 100.00 m to 150.00 m)



Hole No. MJME-M1 (501.80 m ; from 150.00 m to 200.00 m)

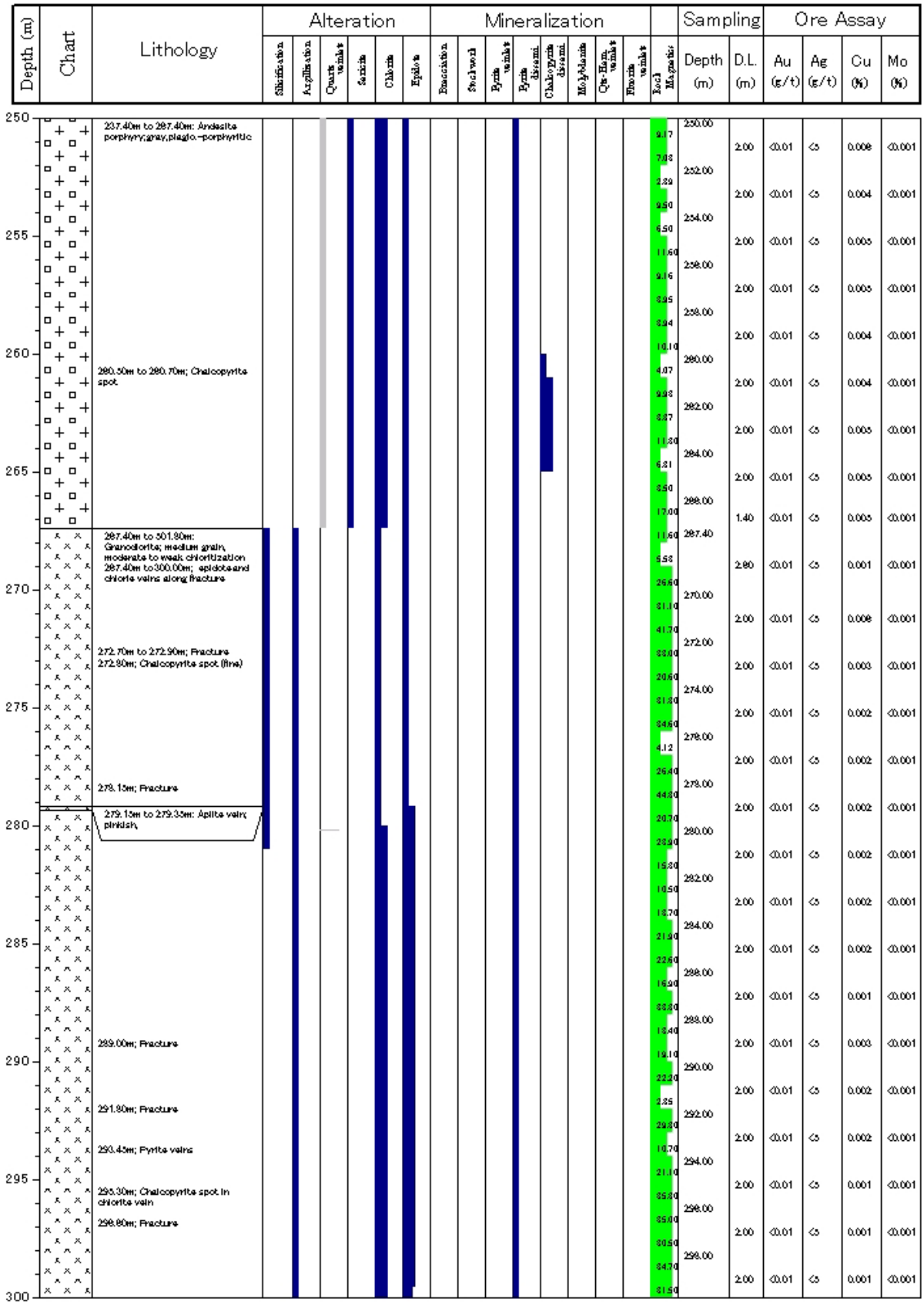


Hole No. MJME-M1 (501.80 m ; from 200.00 m to 250.00 m)

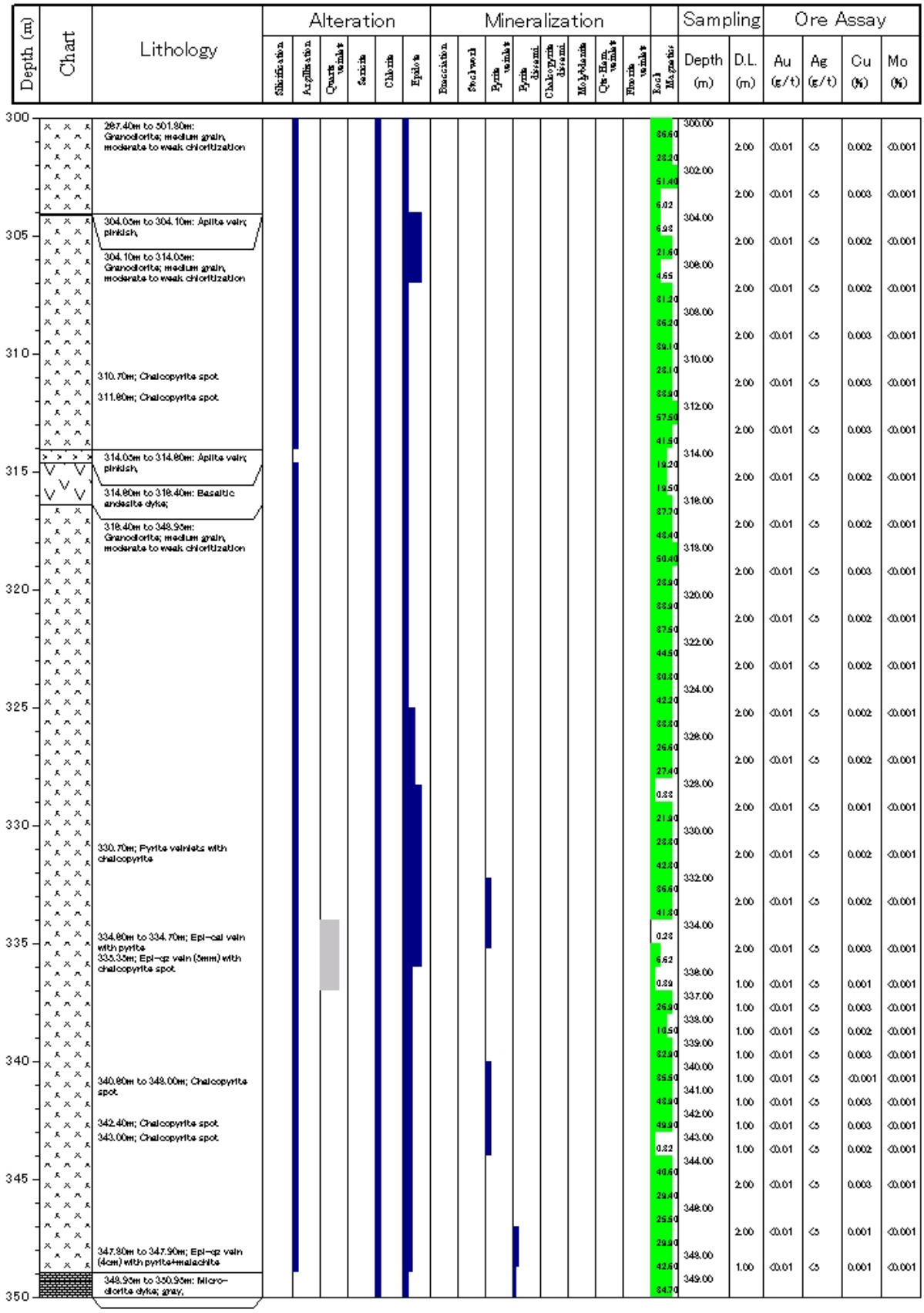


Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Mo (%)
200.00	2.00	<0.01	<5	0.005	<0.001
202.00	2.00	<0.01	<5	0.005	<0.001
204.00	2.00	<0.01	<5	0.011	<0.001
206.00	2.00	<0.01	<5	0.005	<0.001
208.00	2.00	<0.01	<5	0.007	<0.001
210.00	2.00	<0.01	<5	0.007	<0.001
212.00	2.00	<0.01	<5	0.004	<0.001
214.00	1.00	<0.01	<5	0.005	<0.001
215.00	1.00	<0.01	<5	0.002	<0.001
216.00	2.00	<0.01	<5	0.005	<0.001
218.00	2.00	<0.01	<5	0.005	<0.001
220.00	2.00	<0.01	<5	0.008	<0.001
222.00	2.00	<0.01	<5	0.005	<0.001
224.00	2.00	<0.01	<5	0.005	<0.001
226.00	2.00	<0.01	<5	0.005	<0.001
228.00	2.00	<0.01	<5	0.005	<0.001
230.00	2.50	<0.01	<5	0.008	<0.001
232.50	1.50	<0.01	<5	0.001	<0.001
234.00	2.00	<0.01	<5	<0.001	<0.001
236.00	2.00	<0.01	<5	<0.001	<0.001
238.00	2.00	<0.01	<5	0.005	<0.001
240.00	2.00	<0.01	<5	0.005	<0.001
242.00	2.00	<0.01	<5	0.004	<0.001
244.00	2.00	<0.01	<5	0.004	<0.001
246.00	2.00	<0.01	<5	0.005	<0.001
248.00	2.00	<0.01	<5	0.005	<0.001

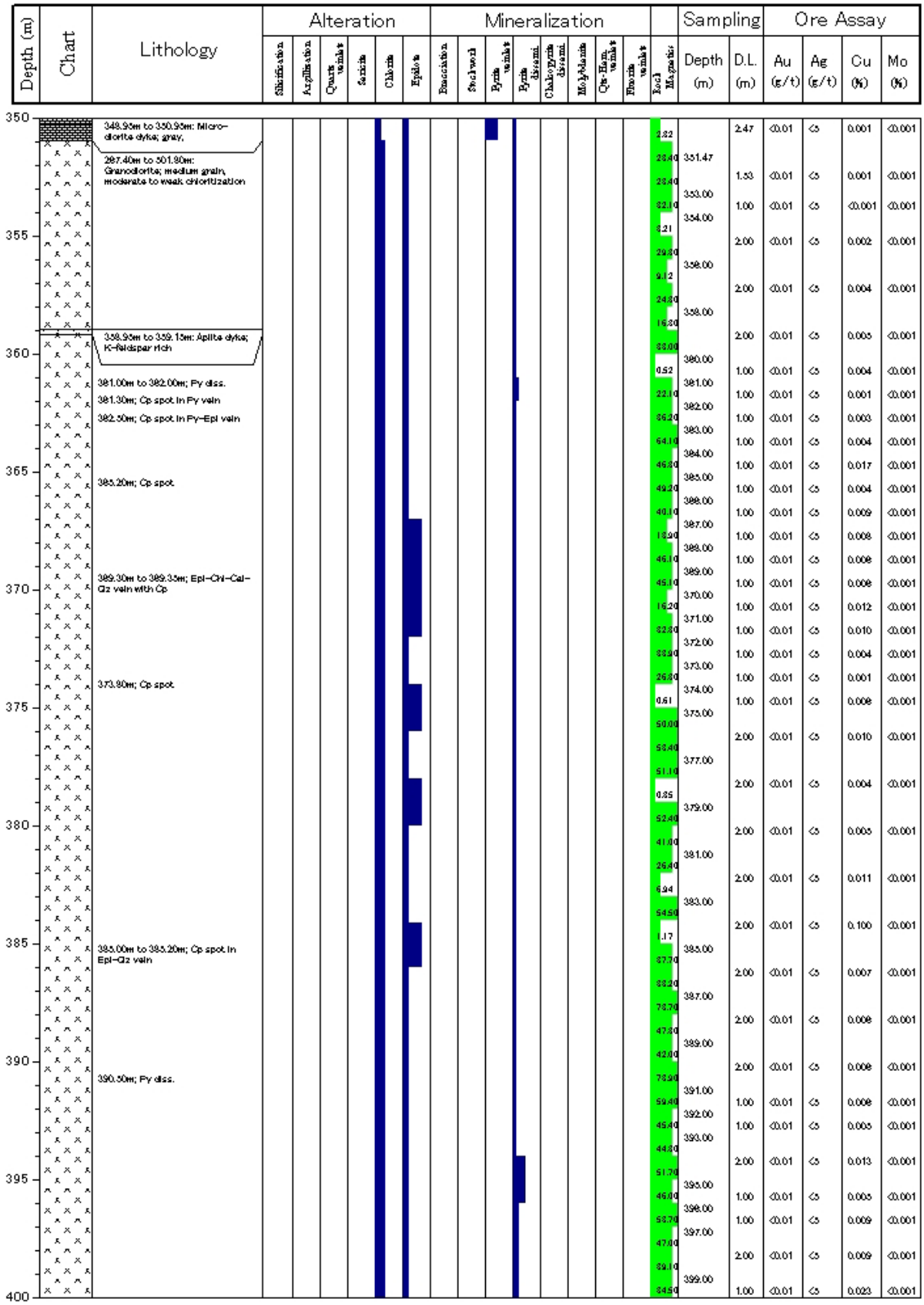
Hole No. MJME-M1 (501.80 m ; from 250.00 m to 300.00 m)



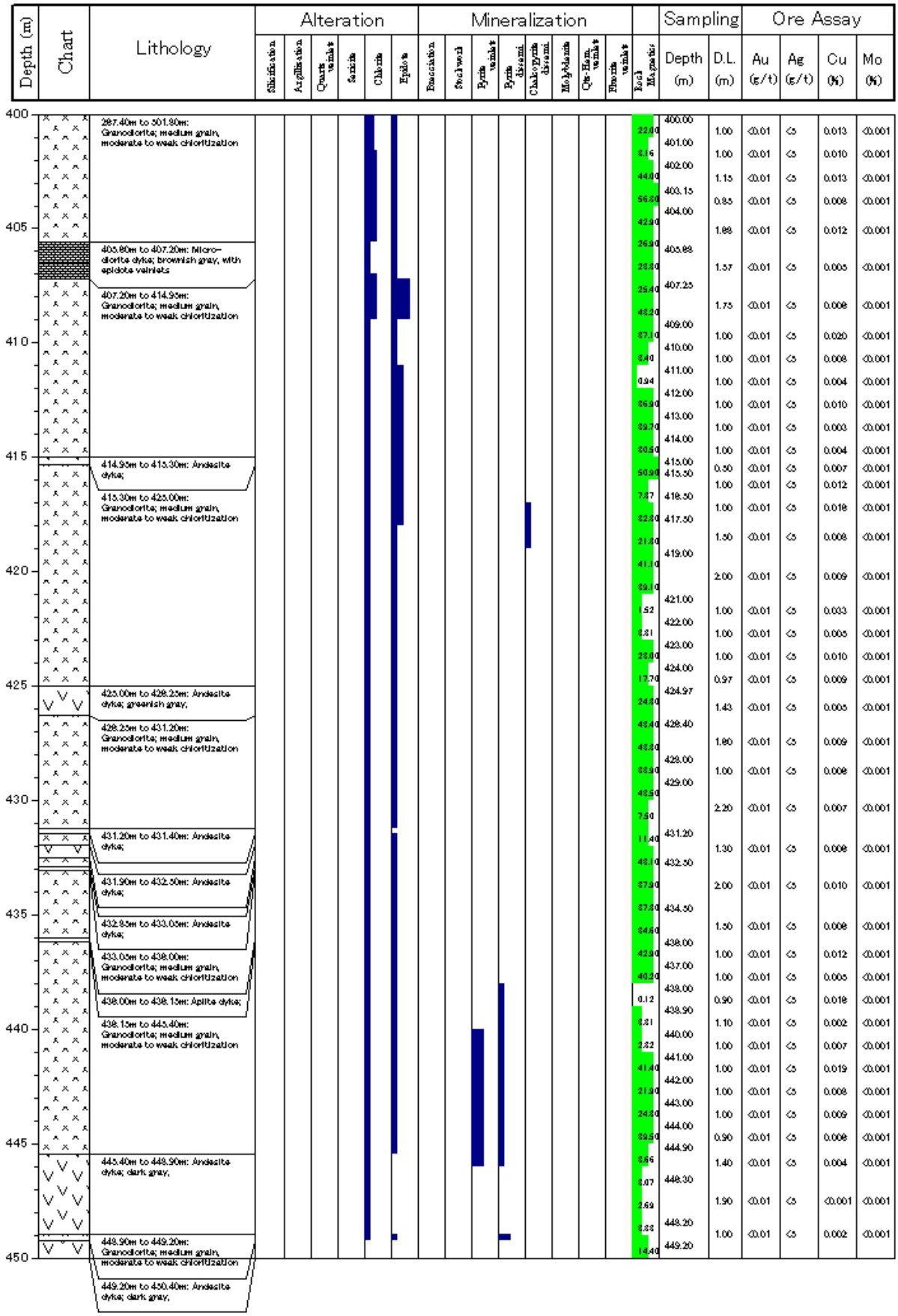
Hole No. MJME-M1 (501.80 m ; from 300.00 m to 350.00 m)



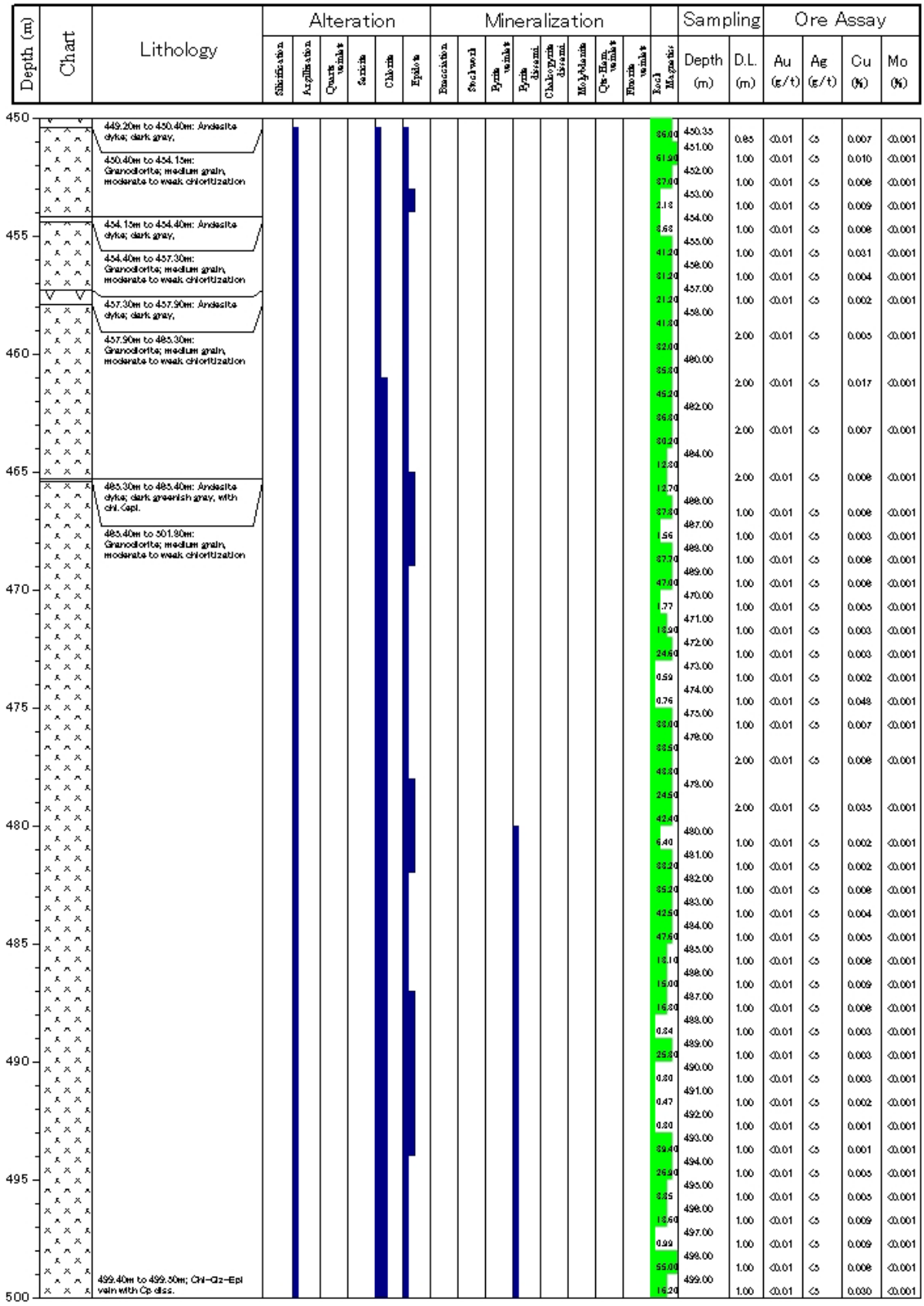
Hole No. MJME-M1 (501.80 m ; from 350.00 m to 400.00 m)



Hole No. MJME-M1 (501.80 m ; from 400.00 m to 450.00 m)



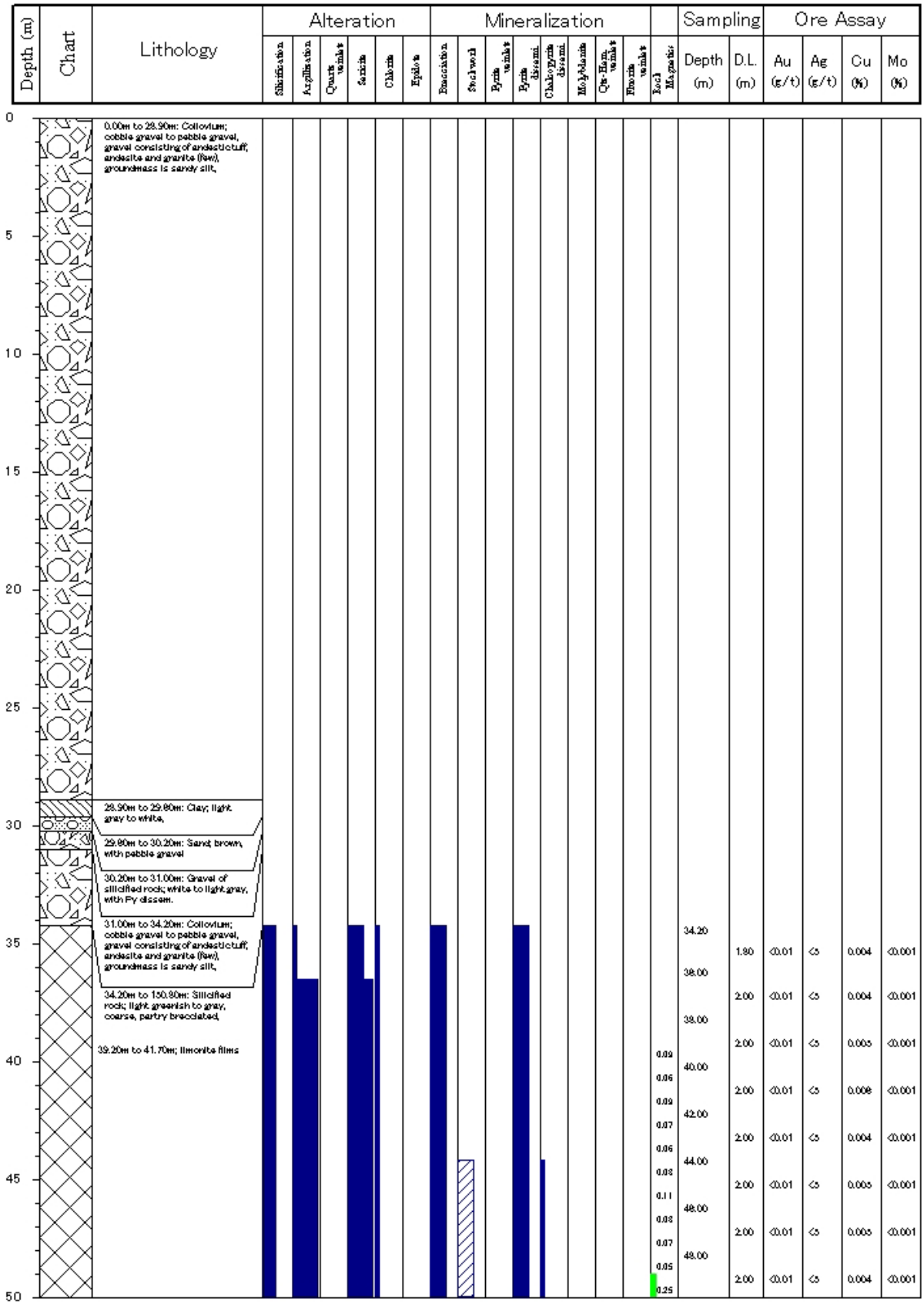
Hole No. MJME-M1 (501.80 m ; from 450.00 m to 500.00 m)



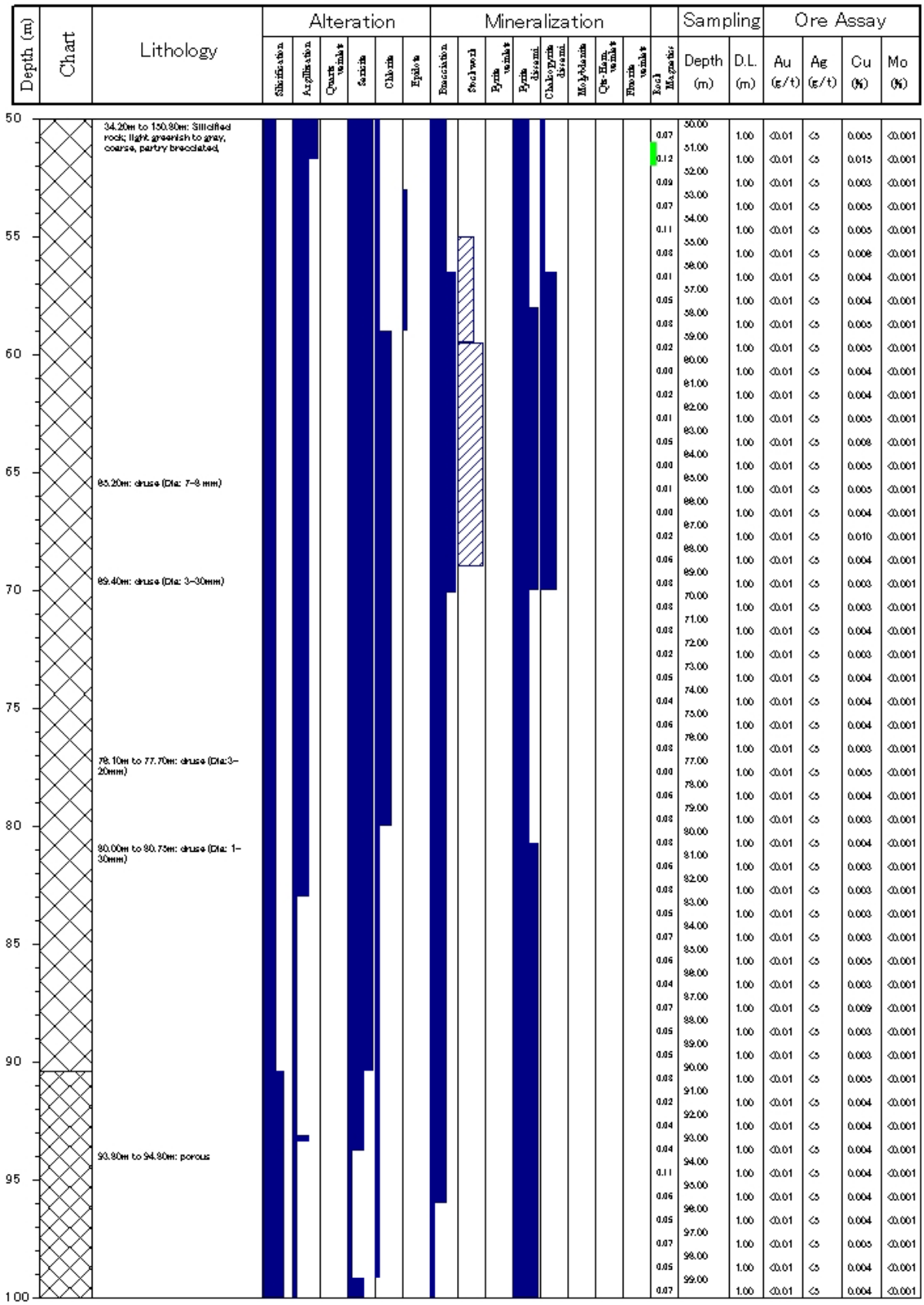
Hole No. MJME-M1 (501.80 m ; from 500.00 m to 550.00 m)

Depth (m)	Chart	Lithology	Alteration						Mineralization									Sampling		Ore Assay			
			Silicification	Argillization	Quartz veinlets	Sericite	Chlorite	Epidote	Brecciation	Stockwork	Pyrite veinlets	Pyrite disemi.	Chalcopyrite disemi.	Molybdenite	Qtz-Hem. veinlets	Fluorite veinlets	Kaolinite	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Mo (%)
500		287.40m to 501.80m: Granodiorite; medium grain, moderate to weak chloritization																45.40	500.00 501.00 501.80	1.00 0.80	<0.01 <0.01	<5 <5	0.007 0.005	<0.001 <0.001
505																								
510																								
515																								
520																								
525																								
530																								
535																								
540																								
545																								
550																								

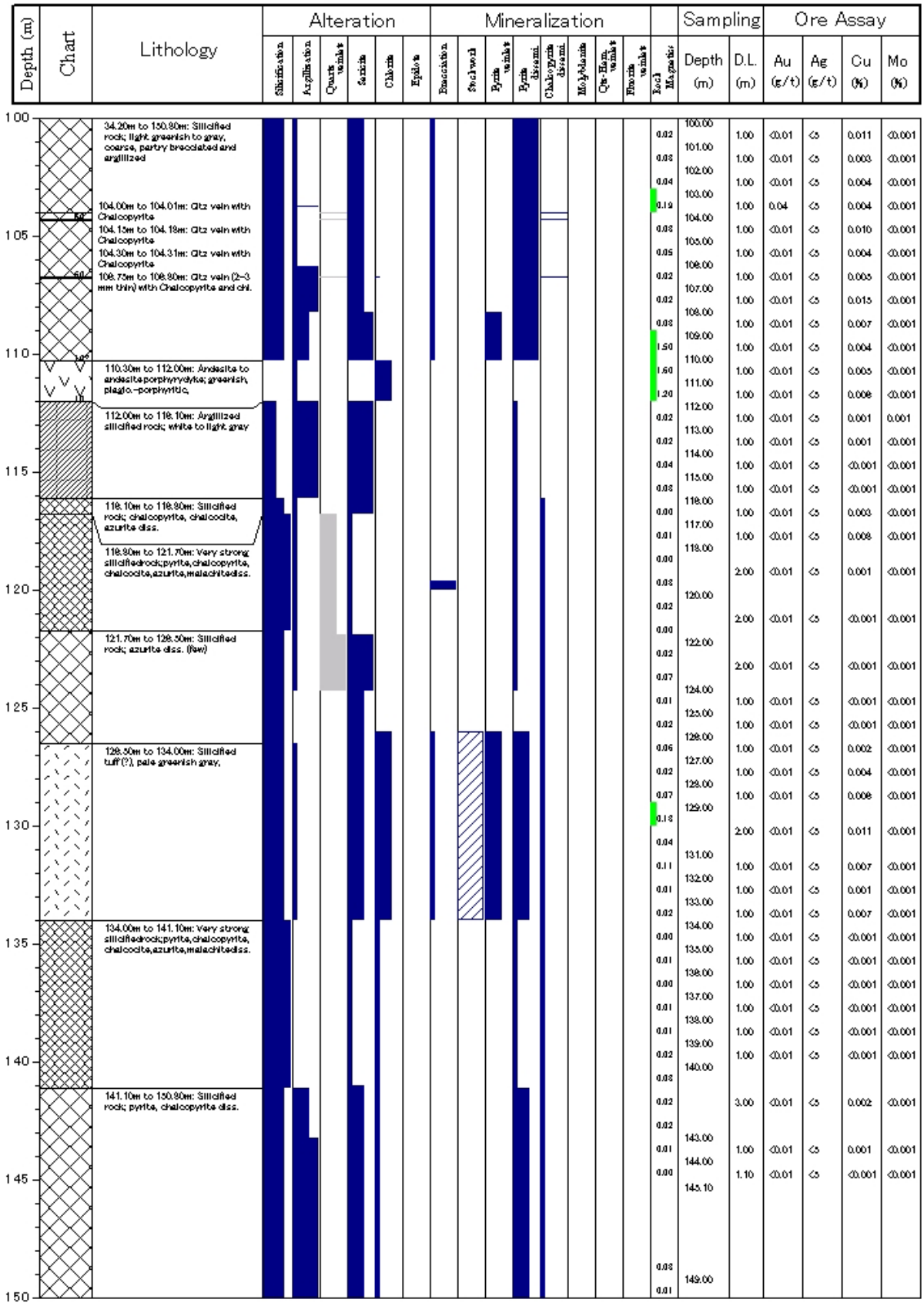
Hole No. MJME-M2 (500.20 m ; from 0.00 m to 50.00 m)



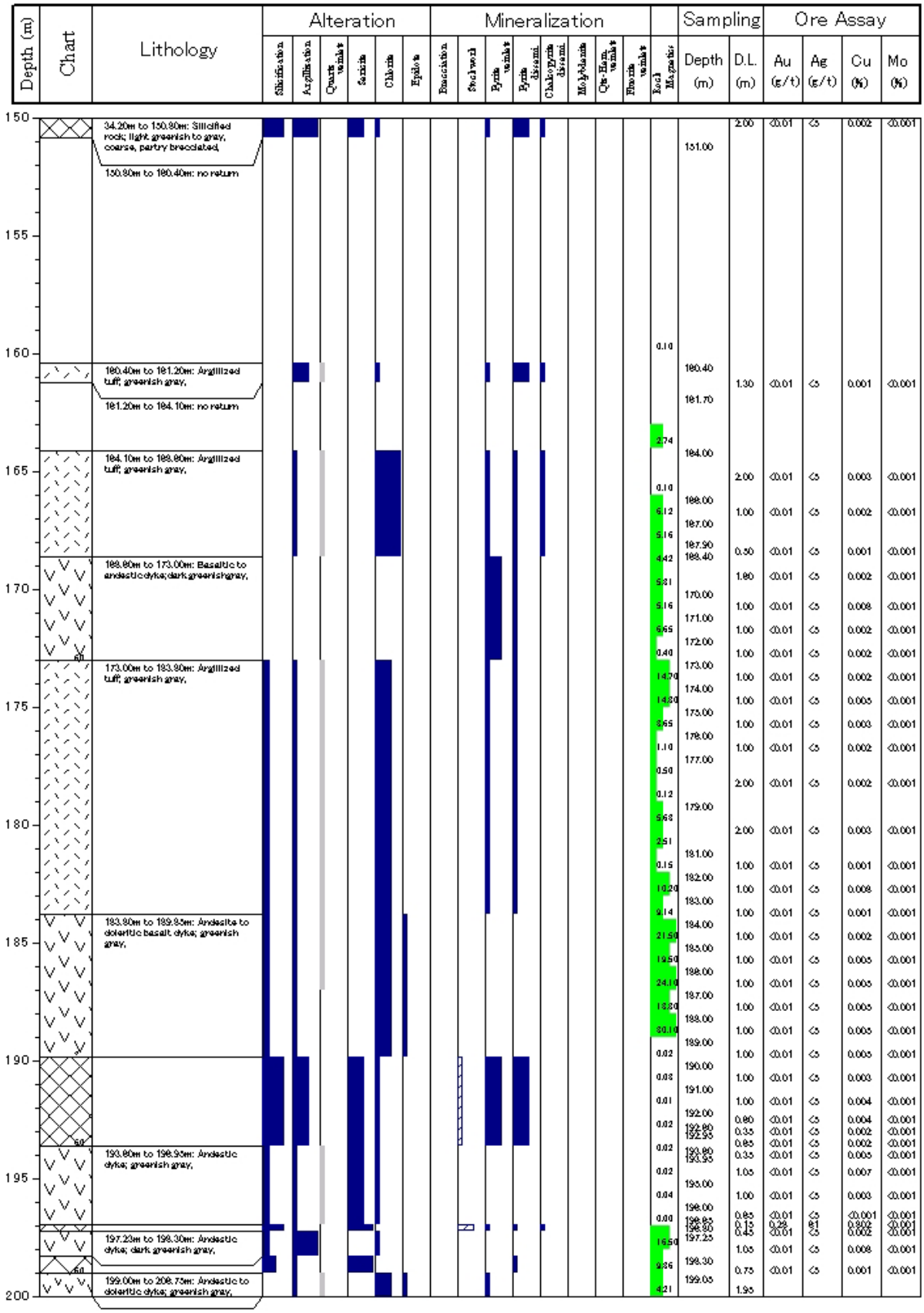
Hole No. MJME-M2 (500.20 m ; from 50.00 m to 100.00 m)



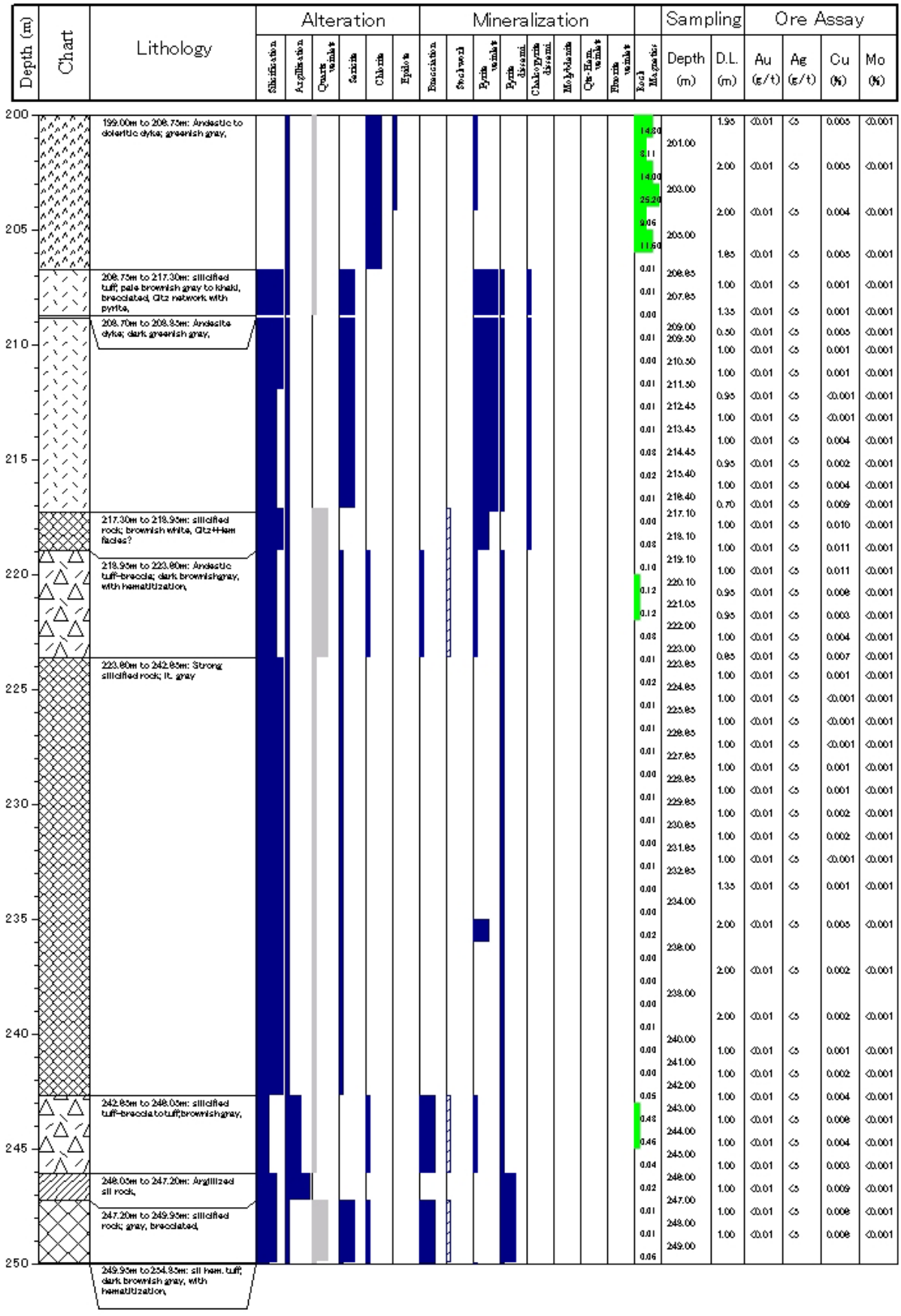
Hole No. MJME-M2 (500.20 m ; from 100.00 m to 150.00 m)



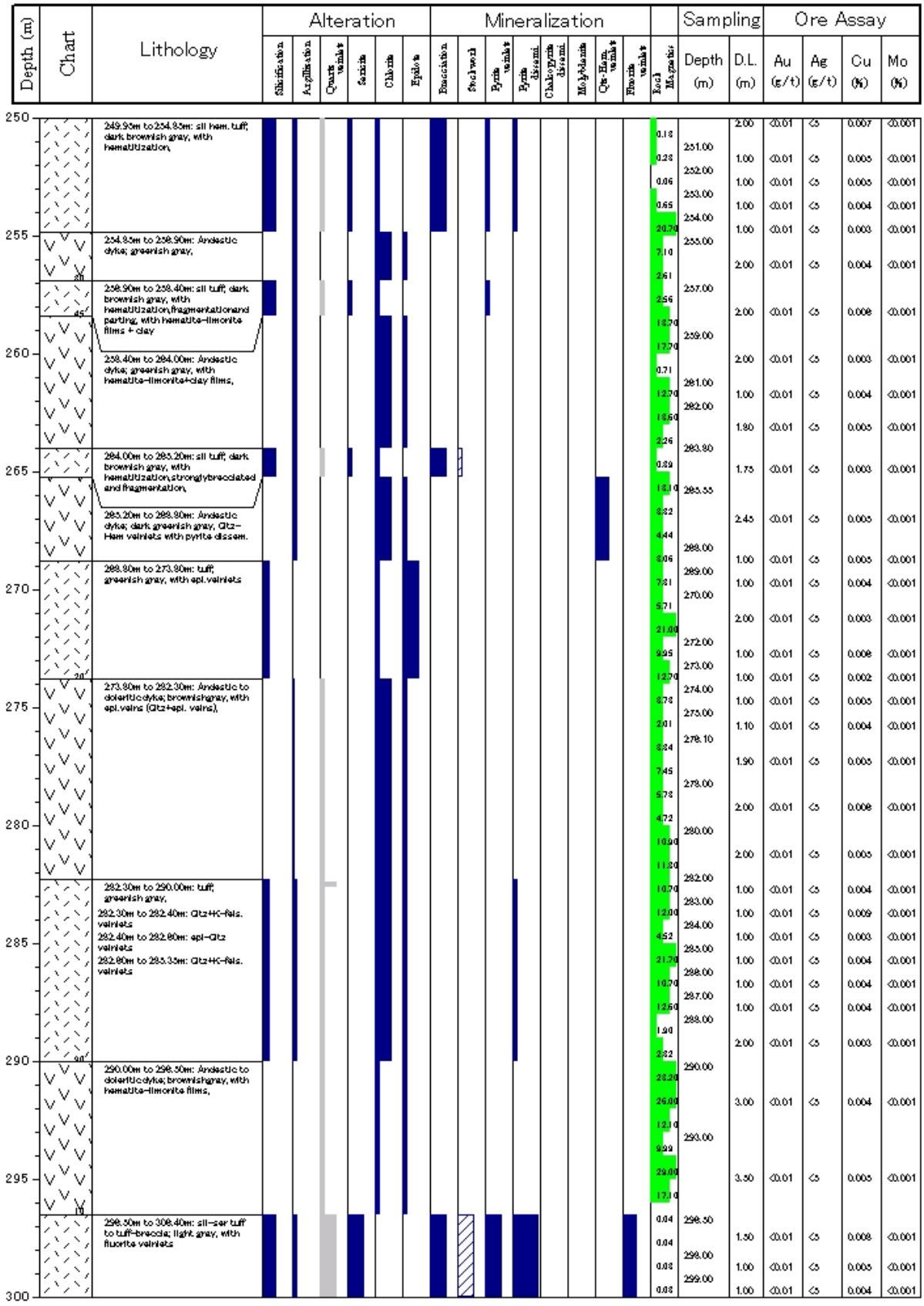
Hole No. MJME-M2 (500.20 m ; from 150.00 m to 200.00 m)



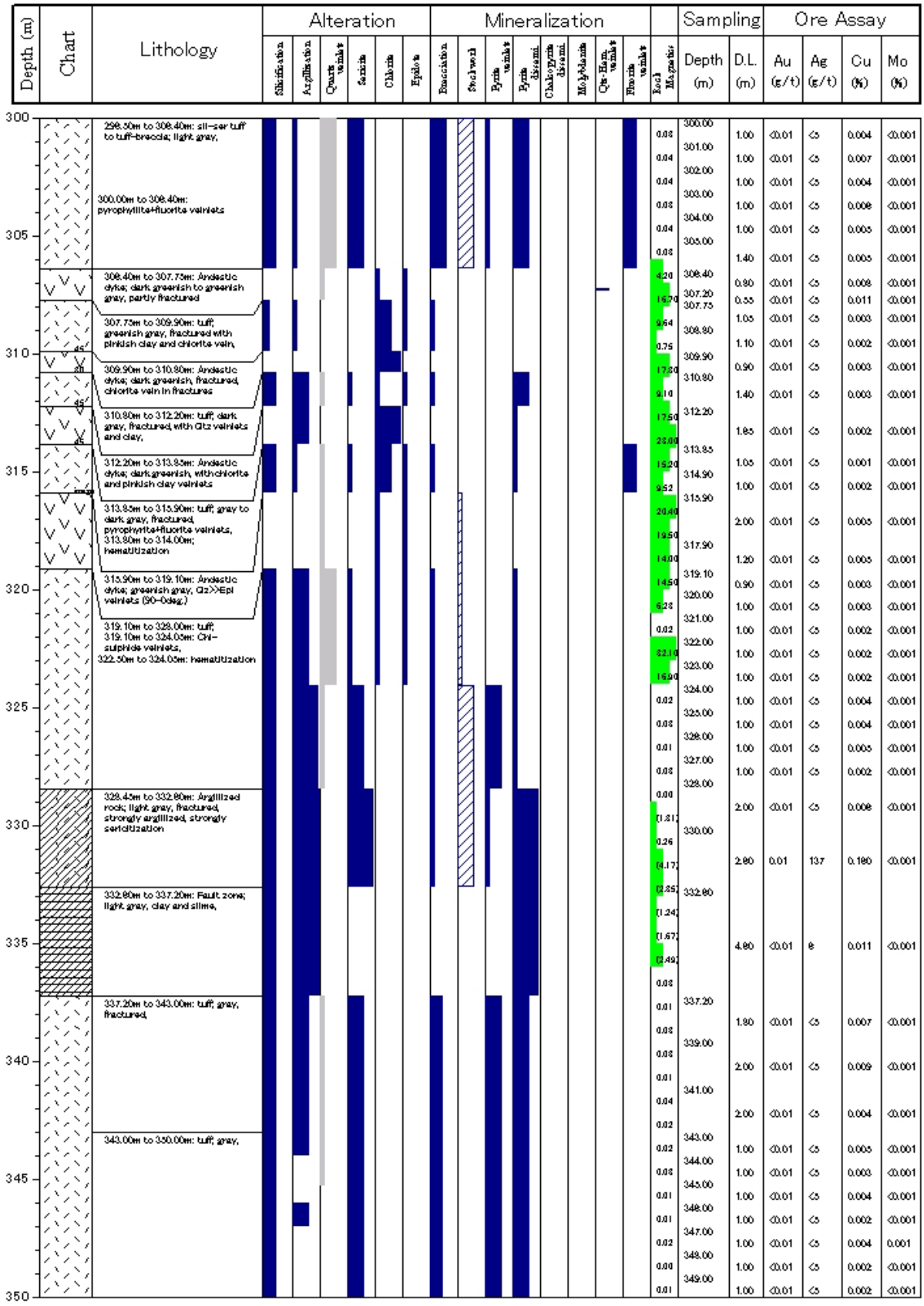
Hole No. MJME-M2 (500.20 m ; from 200.00 m to 250.00 m)



Hole No. MJME-M2 (500.20 m ; from 250.00 m to 300.00 m)

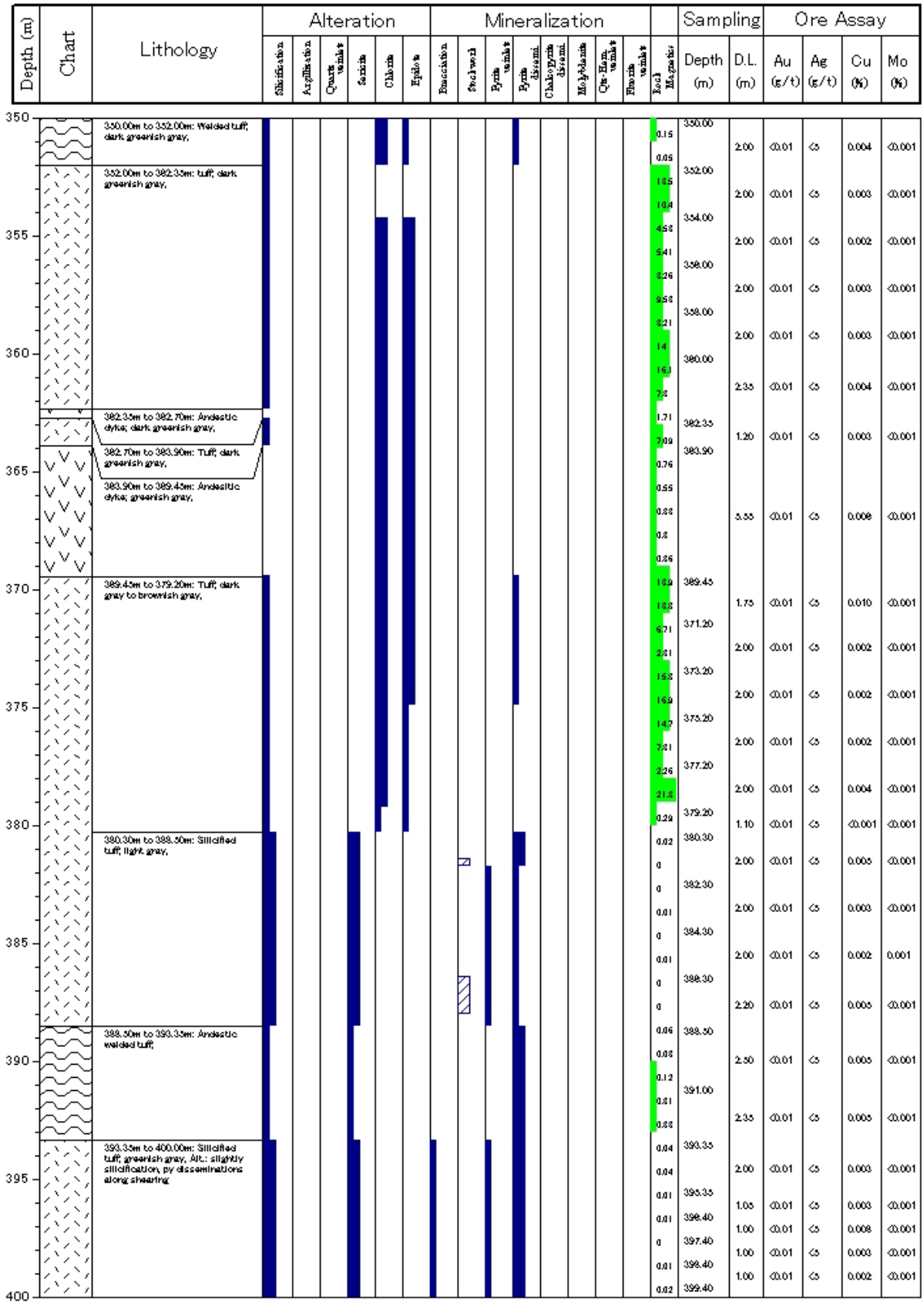


Hole No. MJME-M2 (500.20 m ; from 300.00 m to 350.00 m)



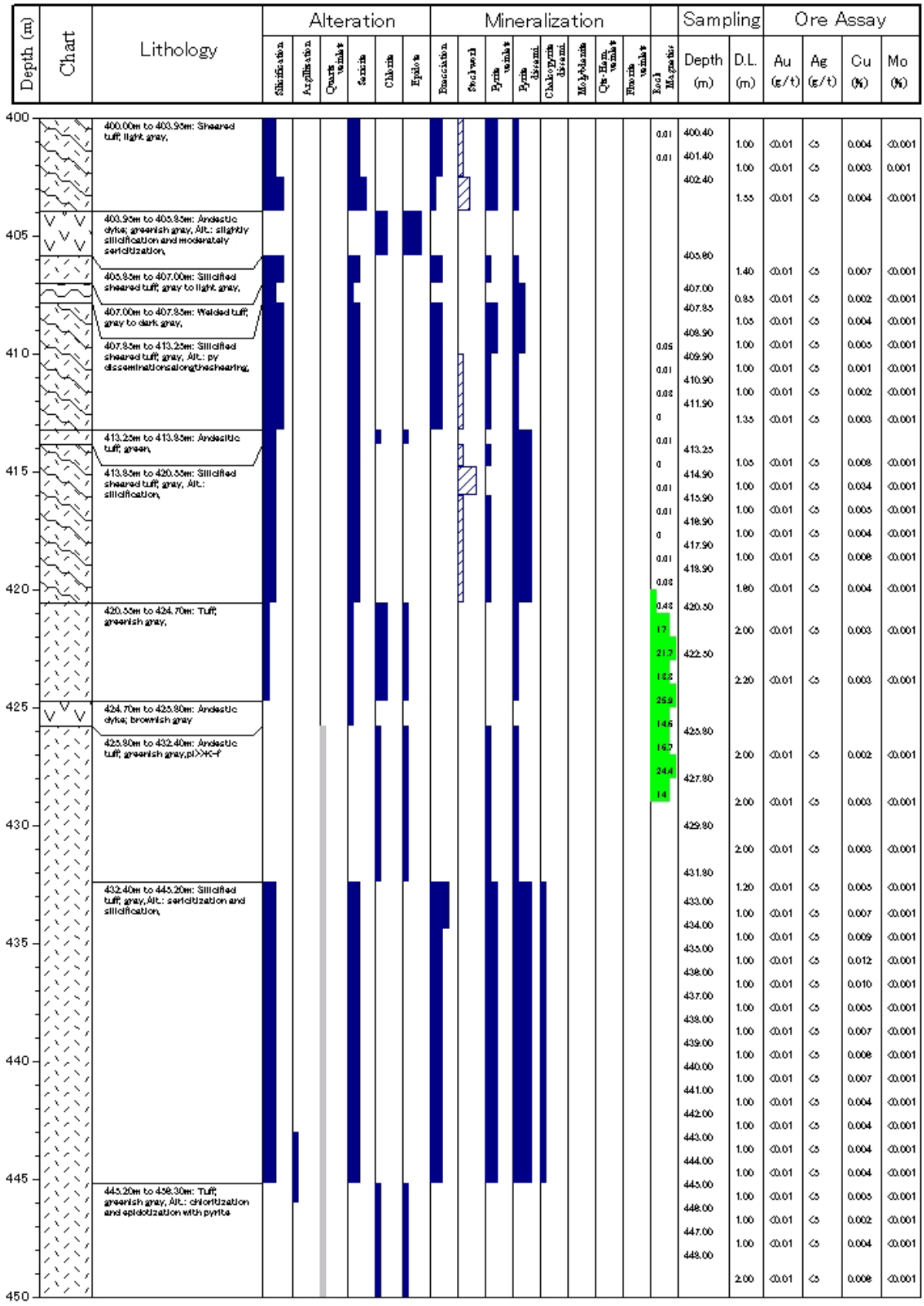
Depth (m)	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Mo (%)
	300.00	1.00	<0.01	<5	0.004	<0.001
	301.00	1.00	<0.01	<5	0.007	<0.001
	302.00	1.00	<0.01	<5	0.004	<0.001
	303.00	1.00	<0.01	<5	0.006	<0.001
	304.00	1.00	<0.01	<5	0.005	<0.001
	305.00	1.40	<0.01	<5	0.005	<0.001
	306.40	0.80	<0.01	<5	0.008	<0.001
	307.20	0.55	<0.01	<5	0.011	<0.001
	307.75	1.05	<0.01	<5	0.003	<0.001
	308.80	1.10	<0.01	<5	0.002	<0.001
	309.90	0.90	<0.01	<5	0.003	<0.001
	310.80	1.40	<0.01	<5	0.003	<0.001
	312.20	1.65	<0.01	<5	0.002	<0.001
	313.85	1.05	<0.01	<5	0.001	<0.001
	314.90	1.00	<0.01	<5	0.002	<0.001
	315.90	2.00	<0.01	<5	0.005	<0.001
	317.90	1.20	<0.01	<5	0.005	<0.001
	319.10	0.90	<0.01	<5	0.003	<0.001
	320.00	1.00	<0.01	<5	0.003	<0.001
	321.00	1.00	<0.01	<5	0.002	<0.001
	322.00	1.00	<0.01	<5	0.002	<0.001
	323.00	1.00	<0.01	<5	0.002	<0.001
	324.00	1.00	<0.01	<5	0.004	<0.001
	325.00	1.00	<0.01	<5	0.004	<0.001
	326.00	1.00	<0.01	<5	0.005	<0.001
	327.00	1.00	<0.01	<5	0.002	<0.001
	328.00	2.00	<0.01	<5	0.008	<0.001
	330.00	2.80	0.01	137	0.180	<0.001
	332.80	4.80	<0.01	8	0.011	<0.001
	337.20	1.80	<0.01	<5	0.007	<0.001
	339.00	2.00	<0.01	<5	0.009	<0.001
	341.00	2.00	<0.01	<5	0.004	<0.001
	343.00	1.00	<0.01	<5	0.005	<0.001
	344.00	1.00	<0.01	<5	0.003	<0.001
	345.00	1.00	<0.01	<5	0.004	<0.001
	346.00	1.00	<0.01	<5	0.002	<0.001
	347.00	1.00	<0.01	<5	0.004	0.001
	348.00	1.00	<0.01	<5	0.002	<0.001
	349.00	1.00	<0.01	<5	0.002	<0.001

Hole No. MJME-M2 (500.20 m ; from 350.00 m to 400.00 m)

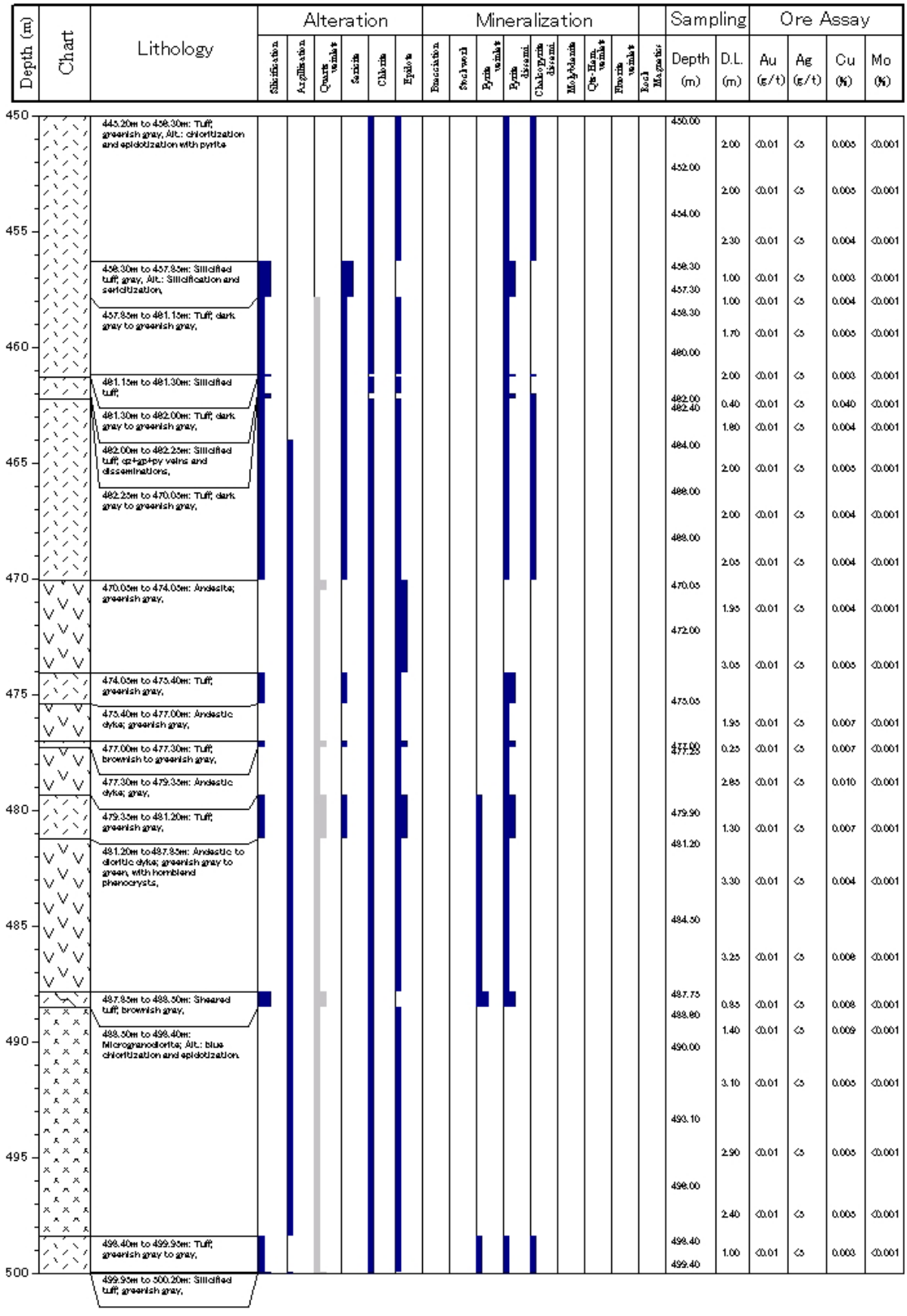


Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Mo (%)
350.00	2.00	<0.01	<5	0.004	<0.001
352.00	2.00	<0.01	<5	0.003	<0.001
354.00	2.00	<0.01	<5	0.002	<0.001
356.00	2.00	<0.01	<5	0.003	<0.001
358.00	2.00	<0.01	<5	0.003	<0.001
360.00	2.35	<0.01	<5	0.004	<0.001
382.35	1.20	<0.01	<5	0.003	<0.001
383.90	5.55	<0.01	<5	0.008	<0.001
389.45	1.75	<0.01	<5	0.010	<0.001
371.20	2.00	<0.01	<5	0.002	<0.001
373.20	2.00	<0.01	<5	0.002	<0.001
375.20	2.00	<0.01	<5	0.002	<0.001
377.20	2.00	<0.01	<5	0.004	<0.001
379.20	1.10	<0.01	<5	<0.001	<0.001
380.30	2.00	<0.01	<5	0.005	<0.001
382.30	2.00	<0.01	<5	0.003	<0.001
384.30	2.00	<0.01	<5	0.002	0.001
386.30	2.20	<0.01	<5	0.005	<0.001
388.50	2.50	<0.01	<5	0.005	<0.001
391.00	2.35	<0.01	<5	0.005	<0.001
393.35	2.00	<0.01	<5	0.003	<0.001
395.35	1.05	<0.01	<5	0.003	<0.001
396.40	1.00	<0.01	<5	0.008	<0.001
397.40	1.00	<0.01	<5	0.003	<0.001
398.40	1.00	<0.01	<5	0.002	<0.001
399.40					

Hole No. MJME-M2 (500.20 m ; from 400.00 m to 450.00 m)



Hole No. MJME-M2 (500.20 m ; from 450.00 m to 500.00 m)



Hole No. MJME-M2 (500.20 m ; from 500.00 m to 550.00 m)