APPENDIX

Appendix 1　Mineral assemblages of the rocks under thin section

Appendix 1　Mineral assemblages of the rocks under thin section

Ser. No.	Sample No. (m)	Rock name	Texture	Alteration	*1	Primary minerals *2											Secondary minerals *2										
						Quartz	Potash felsper	Plagioclase	Biotite	Hornblende	Zircon	Sphen	Apatite	Garnet	Opaque minerals		Quartz	Albite	Sericite	Biotite	Epidote	Chlorite	Sphen	Carbonate minerals	Limonite	Smectite	Opaque minerals
1	MJJ-10 165.0m	Granodiorite	Holocrystalline	Pl, Bi- Sericitization Bi- Chloritization	(S) (w)	◎	⦶	◎	○		•	•	•		•				◎		•	⦶	•				•
2	MJJ-10 226.00	Quartz porphyry	Porphyritic	Pl, Kf, Bi, Hb-Sericitization Silicification	(S) (w)	○	⦶	◎	○	•	•		•		•		○	⦶	◎			•			•	•	•
3	MJJ-11 87.00	Quartz porphyry	Porphyritic	Bi, Hb, Pl- Sericitization	(W)	◎	⦶	◎	○	•	•		•		•		○		○		○	⦶	•			•	•
4	MJJ-12 100.00	Granodiorite	Porphyritic	Pl, Kf- Sericitization	(W) (W)	○	○	◎	⦶	•	•		•		•				⦶	•		•	•				•
5	MJJ-12 191.00	Granodiorite	Porphyritic	Pl- Sericitization Silicification	(M) (W)	○	⦶	○	•	•	•		•		•		○		◎		⦶	•		•			•
6	MJJ-13 57.80	Granodiorite	Holocrystalline	Pl, Kf, Bi, Hb-Sericitization	(S)	○	○	◎	○	•	•		•		•				◎		⦶	⦶					⦶
7	MJJ-13 100.00	Quartz porphyry	Porphyritic	Bi, Hb, Pl, Kf-Sericitization Hb, Bi- Chloritization	(S) (W)	○	⦶	◎	⦶	○	•		•	•	•		○		○		⦶	⦶					•
8	MJC-1 58.60	Altered rock (completed)	?	Sericitization Silicification	(S) (S)	◎													◎								⦶
9	MJC-1 137.90	Granodiorite	Holocrystalline	Pl, Kf-Sericitization Silicification Biotitization	(M) (W) (W)	◎	○	◎	○	•	•		•		•		○		○			•		⦶			•
10	MJC-2 201.50	Granodiorite	Porphyritic	Silicification Pl, Kf-Sericitization Biotitization	(M) (W) (W)	○	○	◎	○		•	•	•	•	•		◎		○	•		•					•
11	MJC-2 137.30	Granodiorite	Porphyritic	Pl, Kf-Sericitization	(W)	○	○	◎	○	•	•		•		•				○			•	•	•			•
12	MJC-2 200.00	Granodiorite	Holocrystalline	Pl, Kf-Sericitization	(W)	○	⦶	◎	○	⦶	•		•	•	•		•		⦶		•	•	•				•

*1　(S):Strong, (M):Moderate, (W):Weak
*2　◎ : Abundant, ○ : Common, ⦶ : A little, • : Rare

Appendix 2 Mineral assemblages of the ores under polished section

Appendix 2 Mineral assemblages of the ores under polished section

Polished Section No.	Area	Occurrence	Chalcopyrite (Cp)	Bornite (Bn)	Chalcocite (Cc)	Covellite (Cv)	Cuprite (Cup)	Malachite (Mal)	Native Copper (Cu)	Molybdenite (Mo)	Tetrahedrit (Td)	Sphalerite (Sp)	Galena (Gn)	Pyrite (Py)	Magnetite (Mt)	Hematite (Hm)	Goethite (Goe)	Gangue minerals (G),Q:Quartz	Remarks
1. MJJ-10 165.0m		(Cp)-(Py)dissemination	•											•	•			◎	
2. MJJ-10 226.00m		(Mo)-(Bn)-(Cp)quartz veinlet and (Cp)-(Bn)dissemination	•	•	•					•				•	•			◎	Thin plate of molybdenite (mo) in quartz veinlet.
3. MJJ-11 87.00m		py dissemination	•											●				◎	
4. MJJ-12 100.00m		(Bn)-(Cc)quartz veinlet and Mt dissemination		•	•										●	•		◎	
5. MJJ-12 191.00m		(Cp)-(Py)dissemination	•									•		•	•			◎	
6. MJJ-13 57.80m		Cp dissemination	●									•						◎	
7. MJJ-13 100.00m		(Mo)-(Bn)-(Cp)quartz veinlet and Mt dissemination	•	•						•				•	●	•		◎	Thin plate of molybdenite (mo) in quartz veinlet.
8. MJC-1 58.60m		Cp veinlet and Cp dissemination	○	•	•							•		•				◎	
9. MJC-1 137.90m		Cp dissemination	●	•	•							•		•	•			◎	* Chalcocite and digenite occur as Cu-S series minerals
10. MJC-2 201.50m		(Cp)dissemination	•	•	* •							•			•			◎	
11. MJC-2 137.30m		Cp dissemination	●												•			◎	
12. MJC-2 200.00m		Py-(Cp)quartz veinlet and Mt dissemination	•									•		●	●	•		◎	

◎ > ○ > ● > •

Appendix 3 Drilling logs of MJJ-10 to MJJ-13 and MJC-1 to MJC-2(1:200)

Depth	Strati-Column	Structure	Description	Alteration							Assay Results							
				Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
			Non-core															
2.00																		
			Granodiorite	1		1	2	1	1	2								
			silicified &															
			fractured															
5.50																		
6.70			Dissemination	3		1	2	1	2	2								
			of Py, Cp and															
			Bo	3		1	2	1	2	2								
8.20																		
10			Quartz Por	3		1	2	1	2	2	10	100	<0.1	1.2	7170	22	28	<1
11.00			Granodiorite	1		1	2	2	2	2								
12.00																		
			Quartz Por	1		1	2	2	2	2								
			fractured															
			intensely	1		1	2	2	2	2	14	100	<0.1	0.7	4195	15	26	4
			Abundant Qtz-	3		1	3	3	1	1								
			veinlets															
			Dissemination	3		1	3	3	1	1	18	100	–	–	3890	17	72	67
			of Py, Bo and															
20			Cp	3		1	3	3	1	1								
			Quartz Por	4		1	3	3	1	1								
			fractured															
			intensely	4		1	3	3	1	1	22	100	<0.1	5.0	73871	14	85	37
			Abundant Qtz-	4		1	3	3	1	1								
			veinlets															
				4		1	3	3	1	1	26	100	<0.1	1.0	4989	13	30	2
			Dissemination															
			of Py, Cp and	4		1	3	3	1	1								
			Bo															
30				4		1	3	3	1	1	30	100	<0.1	1.9	8304	11	24	542
			Quartz Por															
				4		1	2	3	1	1								
33.00				4		1	2	3	1	1								
			Granodiorite															
			Weakly	4		1	2	3	1	1	34	100	–	–	540	14	129	9
			fractured															
				1		1	1	1	2	2								
			Dissemination															
			of Py, Bo and	1		1	1	1	2	2	38	100	–	–	177	18	454	<1
			Cp															
40				1		1	1	1	2	2								
40.50			Quartz Por															
41.00				1		1	1	1	2	2								
			Granodiorite															
			fractured	1		1	1	1	2	2	42	100	–	–	133	16	425	<1
			intensely															
				1		1	1	1	2	2								
				3		1	1	1	2	2	46	100	–	–	421	12	138	<1
46.80																		
			Quartz POr	3		1	1	1	2	2								
			fractured															
50				3		1	1	1	2	2	50	100	<0.1	0.9	4442	12	71	2

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	L		Quartz Por fractured & argilized	3		1	1	1	1	1								
	L			3		1	1	1	1	1	52	100	<0.1	1.7	5313	12	90	29
			Dissemination of Py, Cp and Bo	3		1	1	1	1	1	54	100	−	−	2867	10	34	<1
	L			3		1	1	2	1	1	56	100	−	−	2382	14	55	2
				3		1	1	2	1	1	58	100	<0.1	4.6	22106	19	222	57
60	L			3		1	1	2	1	1	60	100	<0.1	4.1	22113	14	186	42
	L		Quartz Por fractured & argilized 60.0-67.0 shear-zone								62	100	−	−	2988	15	254	<1
	L										64	100	<0.1	1.6	5290	15	430	6
66.20	L			3		1	2	3	3	3	66	100	−	−	1635	13	99	1
	+		Granodiorite Weakly fractured	3		1	2	3	3	3	68	100	−	−	2326	15	115	2
69.10 70	L L		Quartz Por	3		1	2	3	3	3	70	100	−	−	2017	10	45	7
	+		Granodiorite fractured	2		1	1	1	2	2								
	+			2		1	1	1	2	2	72	100	−	−	1985	15	562	11
			Dissemination Of Py and Cp	2		1	1	1	2	2	74	100	−	−	1841	11	303	8
	+			1		1	3	4	3	3	76	100	−	−	828	13	133	<1
	+			1		1	3	4	3	3	78	100	−	−	2116	9	138	5
80				1		1	3	4	3	3	80	100	<0.1	4.0	4991	14	188	118
	+		Granodiorite slicified & fractured	3		1	3	4	3	3								
	+			3		1	3	4	3	3	82	100	−	−	705	17	194	10
			Dissemination of Py, Cp and Bo	3		1	3	4	3	3	84	100	−	−	130	16	140	<1
	+			2		1	3	4	3	3	86	100	−	−	127	12	180	<1
	+			2		1	3	4	3	3	88	100	−	−	326	16	449	2
90				2		1	3	4	3	3								
	+		Granodiorite slicified, fractured & argilized	3		1	2	4	2	2								
	+			3		1	2	4	2	2								
			Stringer of molybdenite	3		1	2	4	2	2								
	+			1		1	1	3	2	2								
			Dissemination of Py, Cp and Bo	1		1	1	3	2	2								
100	+			1		1	1	3	2	2								

Depth	Strati-Column	Structure	Description	Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	+		Granodiorite Weakly fractured	1		1	1	3	2	2								
	+			1		1	1	3	2	2								
	+		109.0 Stringer of molybdenite	1		1	1	3	2	2								
	+			1		1	1	3	2	2								
	+			1		1	1	3	2	2								
110				1		1	1	3	2	2								
	+		Granodiorite Weakly fractured	1		2	2	2	2	2								
	+			1		2	2	2	2	2								
	+		Epidote in fractures	1		2	2	2	2	2								
	+			1		1	1	3	2	2								
	+			1		1	1	3	2	2								
120				1		1	1	3	2	2								
	+		Granodiorite Weakly fractured	1		1	1	2	2	2								
	+			1		1	1	2	2	2								
	+		128.0-129.0 Dissemination of Py & Cp	1		1	1	2	2	2								
	+			3		1	1	3	2	2								
	+			3		1	1	3	2	2								
130				3		1	1	3	2	2								
	+		Granodiorite Weakly fractured	1		1	1	1	2	1								
	+			1		1	1	1	2	1								
	+		Dissemination v. Weakly	1		1	1	1	2	1								
	+			1		1	1	3	3	3								
	+			1		1	1	3	3	3								
140				1		1	1	3	3	3								
	+		Granodiorite Weakly fractured	1		1	1	1	2	2								
	+			1		1	1	1	2	2								
	+		Veinlets of Qtz & Chl	1		1	1	1	2	2								
	+		Dissemination v. weakly	1		1	1	3	3	3								
	+			1		1	1	3	3	3	148	100	–	–	525	12	426	<1
150				1		1	1	3	3	3								

Depth	Strati-Column	Structure	Description	Alteration							Assay Results							
				Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
			Granodiorite Weakly fractured	1		1	1	1	1	2								
				1		1	1	1	1	2								
			158.5-162.0 Fault zone	1		1	1	1	1	2								
				1		1	1	1	1	2								
				1		1	2	3	3	3	158	100	<0.1	12.0	38285	19	221	5
160				1		1	2	3	3	3								
			Granodiorite fractured weakly	3		1	1	3	3	3								
				3		1	1	3	3	3	162	100	—	—	454	15	349	<1
			Dissemination of Py & Cp	3		1	1	3	3	3								
166.40				4		1	1	1	2	2	166	100	—	—	426	17	70	5
167.90				4		1	1	1	2	2								
170				4		1	1	1	2	2	170	100	—	—	721	16	160	<1
			Granodiorite fractured weakly	1		1	1	1	1	2								
				1		1	1	1	1	2								
			Dissemination of Py	1		1	1	1	1	2								
			Quartz veinlet w:0.30 @179/00 m	3		1	1	2	2	2								
				3		1	1	2	2	2								
180				3		1	1	2	2	2								
			Granodiorite v. weakly	2		1	1	2	2	2								
			Qtz-stringers @182.5 m and @185.5 m	2		1	1	2	2	2								
				2		1	1	2	2	2								
				2		1	1	3	3	1								
				2		1	1	3	3	1								
190				2		1	1	3	3	1	190	100	—	—	1130	12	127	<1
			Granodiorite fractured & argillized	1		1	1	2	3	3								
				1		1	1	2	3	3								
			Epidote and chlorite abundant	1		1	1	2	3	3	194	100	—	—	662	12	123	6
				1		1	1	1	3	3								
				1		1	1	1	3	3								
199.50 200			Quartz Por	1		1	1	1	3	3								

Depth	Strati-Column	Structure	Description	Alteration							Assay Results							
				Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
			Quartz Por fractured &	1		1	1	1	3	3								
202.00			argillized	1		1	1	1	3	3	202	100	–	–	214	15	81	<1
			Granodiorite argillized &	1		1	1	1	3	3								
			fractured	1		1	2	3	3	3	206	100	–	–	233	18	97	<1
			Chlorite and epidote	1		1	2	3	3	3								
210			dominant	1		1	2	3	3	3	210	100	–	–	3227	15	60	14
			Granodiorite argillized &	2		1	3	4	3	3								
			fractured	2		1	3	4	3	3								
			Chlorite and epidote	2		1	3	4	3	3	214	100	<0.1	2.6	20271	12	47	2
			abundant	2		1	3	4	3	3								
				2		1	3	4	3	3								
219.50 220				2		1	3	4	3	3								
			Quartz Por fractured &	4		1	1	1	2	2								
			argillized	4		1	1	1	2	2	222	100	–	–	195	11	84	2
			Dissemination & stockwark	4		1	1	1	2	2	224	100	–	–	166	12	103	1
			of Py, Cp and Bo	4		1	3	3	3	3	226	100	–	–	258	15	59	6
				4		1	3	3	3	3								
228.80 230			Granodiorite	4		1	3	3	3	3	230	100	–	–	853	13	273	19
			fractured & argillized	3		1	2	3	2	2								
231.50 232.60			Quartz Por	3		1	2	3	2	2								
			Granodiorite fractured &	3		1	2	3	2	2	234	100	–	–	416	13	85	<1
			strongly argillized	3		1	3	4	3	3								
236.60 238.20			Quartz Por	3		1	3	4	3	3	238	100	<0.1	10.8	35794	11	38	16
240			Granodiorite fractured &	3		1	3	4	3	3								
			argillized	2		1	1	3	3	3								
			Dissemination of Py & Cp	2		1	1	3	3	3								
			Epidote in	2		1	1	3	3	3								
			fractures	2		1	1	2	2	3								
				2		1	1	2	2	3								
250				2		1	1	2	2	3								

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	+		Granodiorite fractured & argillized	1		1	1	2	2	3								
				1		1	1	2	2	3								
	+		Dissemination of Py & Cp	1		1	1	2	2	3								
	+		@257.00 Qtz-veinlet w:0.40 m	3		1	1	2	2	3	256	100	–	–	112	13	81	<1
				3		1	1	2	2	3								
260	+			3		1	1	2	2	3	260	100	–	–	216	15	82	<1
	+		Granodiorite fractured & argillized	3		3	2	3	3	3								
				3		3	2	3	3	3								
	+		Dissemination of Py, Cp & Bo	3		3	2	3	3	3	264	100	–	–	622	15	230	<1
	+			3		3	2	3	3	3								
267.30	L		Quartz Por Strongly fractured	3		3	2	3	3	3	268	100	<0.1	1.9	4246	22	153	59
270	L			3		3	2	3	3	3								
	L L		Shear zone	3		1	3	3	3	3								
271.50	+		Granodiorite fractured strongly	3		1	3	3	3	3	272	100	–	–	359	16	376	<1
	+			3		1	3	3	3	3								
	+		Fault zone with sheared rocks	3		1	3	3	3	3								
	+			3		1	3	3	3	3	278	100	–	–	1168	15	177	6
279.30 280	L L		Quartz Por	3		1	3	3	3	3								
	+ +		Granodiorite fractured & argillized	1		1	1	4	3	3								
282.50	L L		Quartz Por	1		1	1	4	3	3	282	100	–	–	426	103	124	11
283.60	+		Granodiorite fractured & argillized	1		1	1	4	3	3								
				1		1	1	4	3	3								
	+		Dissemination of Py & Cp	1		1	1	4	3	3								
290	+			1		1	1	4	3	3								
	+		Dissemination of Py & Cp	2		1	1	3	3	3								
291.20	L L		Quartz Por	2		1	1	3	3	3	292	100	<0.1	2.1	6480	14	106	469
292.90	+		Granodiorite argillized	2		1	1	3	3	3								
	+			2		1	1	3	3	3								
296.60	L L		Quartz Por															
297.70	+			2		1	1	3	3	3	298	100	–	–	297	14	39	8
300	+		Granodiorite fractured	2		1	1	3	3	3								
301.3	+		Bottom	2		2	1	4	3	3								

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
			Non-core															
14.00																		
	L		Quartz Por Strongly fractured &	1		2	2	1	1	1								
	L		weakly disseminated	1		2	2	1	1	1								
	L		ore-minerals	1		2	2	2	3	2								
	L			1		2	2	2	3	2								
10											10	100	—	—	251	10	28	242
	L		Quartz Por fractured strongly	1		1	1	2	1	1								
	L			1		1	1	2	1	1								
25.70																		
	+		Granodiorite fractured strongly								14	100	<0.1	1.4	9722	11	20	131
	+			1		3	1	2	3	4								
			Dissemination of Bo, Cp & Py								18	100	—	—	1898	14	52	23
	+			1		3	1	2	3	4								
20																		
	+		Granodiorite fractured	1		2	2	2	2	3								
	+		Dissemination & stockwark of Bo, Cp, Py								22	100	—	—	3685	13	27	131
	+			1		2	2	2	2	3								
	L		Quartz Por fractured	4		1	3	2	3	1	26	100	—	—	2272	10	25	235
	L			4		1	3	2	3	1								
30											30	100	—	—	2442	12	38	10
	L		Quartz Por fractured	4		1	3	2	3	1								
	L		Dissemination of Cp, Py & Bo	4		1	3	2	3	1	34	100	—	—	834	10	33	87
	L			4		1	3	3	2	1								
	L										38	100	—	—	943	14	25	25
	L			4		1	3	3	2	1								
40																		
	L		Quartz Por fractured intensely	5		1	3	3	3	1								
	L										42	100	—	—	121	12	32	2
				5		1	3	3	3	1								
	L			2		2	1	2	2	2	46	100	—	—	3902	10	23	16
46.40																		
	+		Granodiorite fractured	2		2	1	2	2	2								
50	+										50	100	—	—	1751	14	28	5

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
			Granodiorite															
			fractured	3		2	1	1	2	2								
			weakly															
											52	100	–	–	308	11	33	<1
			Dissemination	3		2	1	1	2	2								
			of Cp, Py &								54	100	–	–	130	12	44	<1
			Bo															
				3		3	1	2	2	2	56	100	<0.1	2.2	8221	10	24	249
											58	100	–	–	737	12	39	<1
				3		3	1	2	2	2								
60											60	100	–	–	866	14	57	8
			Granodiorite															
			fractured	3		3	1	3	2	2								
			moderately															
											62	100	–	–	3799	12	37	9
			Dissemination	3		3	1	3	2	2								
			of Bo, Cp &								64	100	–	–	2196	12	41	96
			Py															
				5		1	3	3	2	1	66	100	–	–	2153	13	30	18
64.70																		
			Quartz POr								68	100	–	–	1341	11	29	5
			fractured	5		1	3	3	2	1								
70			strongly								70	100	–	–	384	11	22	<1
			Quartz Por															
			fractured	5		1	3	3	2	1								
			strongly															
											72	100	–	–	2009	31	505	335
			Dissemination	5		1	3	3	2	1								
			of Bo, Cp &								74	100	–	–	1093	13	22	10
			Bo															
				4		1	5	4	2	1	76	100	–	–	350	10	28	25
			Mo-stringers															
			occasionally								78	100	–	–	879	10	31	28
				4		1	5	4	2	1								
80											80	100	<0.1	1.4	4284	12	22	24
			Quartz Por															
			Strongly	4		1	5	4	2	1								
			fractured															
											82	100	<0.1	3.3	9901	12	22	1089
			Dissemination	4		1	5	4	2	1								
			of Cp, Py &								84	100	–	–	708	14	19	19
			Bo															
			Mo-stringers	1		2	1	3	3	2	86	100	–	–	2134	11	24	324
			80.0-85.0															
			sheared zone								88	100	–	–	3217	11	17	460
88.50				1		2	1	3	3	2								
90			Granodiorite								90	100	–	–	807	15	42	50
			fractured															
			strongly	3		3	1	2	2	2								
			Dissemination															
			of Bo, Cp, Py	3		3	1	2	2	2								
			and MO								94	100	–	–	1014	15	34	20
			Mo-stringers	3		3	1	1	2	2								
			occasionally															
											98	100	–	–	663	15	31	39
				3		3	1	1	2	2								
100																		

Depth	Strati-Column	Structure	Description	Alteration							Assay Results							
				Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	+		Granodiorite fractured strongly	2		3	1	2	3	2								
											102	100	–	–	448	12	36	<1
	+		Dissemination of Cp, Py & Bo	2		3	1	2	3	2								
	+			3		2	1	2	3	3	106	100	–	–	629	15	47	<1
	+			3		2	1	2	3	3								
110											110	100	–	–	179	11	41	5
	+		Granodiorite fractured	3		3	1	2	3	3								
			Dissemination of Cp, Py, Bo								112	100	–	–	873	15	43	9
	+										114	100	–	–	238	12	39	21
	+		Qtz-stringers occasionally	3		2	2	1	2	2								
											118	100	–	–	694	15	32	71
	+			3		2	2	1	2	2								
120																		
	+		Granodiorite Strongly fractured	3		2	1	2	2	2								
											122	100	–	–	3064	13	15	67
	+		Dissemination of Cp, Py, Bo	3		2	1	2	2	2								
	+			3		2	1	1	2	1	126	100	–	–	639	13	37	9
	+			3		2	1	1	2	1								
130											130	100	–	–	247	11	35	12
	+		Granodiorite fractured strongly	3		1	1	1	2	1								
	+		Dissemination of Cp, Bo, Py	3		1	1	1	2	1	134	100	–	–	730	15	31	46
	+		Stockwork occasionally	3		1	1	1	2	2								
											138	100	<0.1	1.8	4509	17	36	4
	+			3		1	1	1	2	2								
140											140	100	–	–	2513	14	24	20
	+		Granodiorite fractured strongly	3		2	1	1	2	2								
											142	100	–	–	2967	14	33	20
	+		Dissemination of Cp, Py, Bo	3		2	1	1	2	2								
											144	100	<0.1	0.7	6476	11	24	48
	+		Qtz stringers and veinlets abundantly	2		2	1	2	2	2	146	100	<0.1	1.3	10482	14	18	448
											148	100	–	–	1205	9	26	57
	+			2		2	1	2	2	2								
150											150	100	–	–	457	15	24	4

Depth	Strati-Column	Structure	Description	Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	+		Granodiorite fractured moderately	2		2	1	2	2	2								
											152	100	–	–	3582	15	22	56
	+		Dissemination of Cp, Bo & Py	2		2	1	2	2	2								
											154	100	–	–	1134	18	24	113
	+			3		2	1	1	2	1	156	100	–	–	600	14	16	3
											158	100	–	–	1276	16	26	74
	+			3		2	1	1	2	1								
160											160	100	–	–	1751	16	28	8
	+		Granodiorite fractured moderately	3		2	1	2	2	2								
											162	100	–	–	609	16	34	8
	+		Dissemination of Cp, Py & Bo	3		2	1	2	2	2								
											164	100	–	–	2554	13	27	69
	+			3		2	2	1	2	2	166	100	–	–	1740	11	26	12
											168	100	–	–	1309	19	22	22
	+			3		2	2	1	2	2								
170											170	100	–	–	2892	13	21	101
	+		Granodiorite fractured moderately	3		2	2	2	2	2								
											172	100	–	–	1173	12	11	63
	+		Dissemination & stockwork of Cp, Bo & Py	3		2	2	2	2	2								
											174	100	–	–	1238	11	18	267
	+			3		1	1	2	1	1	176	100	<0.1	3.9	12304	12	11	387
											178	100	–	–	1244	14	20	20
	+			3		1	1	2	1	1								
180											180	100	–	–	3575	11	21	150
	+		Granodiorite fractured moderately	3		1	1	2	2	2								
	+		Dissemination of Bo, Cp & Py	3		1	1	2	2	2								
											184	100	–	–	2448	12	19	264
	+			3		1	1	2	2	2								
											188	100	–	–	838	11	21	53
	+			3		1	1	2	2	2								
190																		
	+		Granodiorite fractured moderately	3		1	1	2	2	2								
											192	100	–	–	1732	13	20	171
	+		Dissemination of Py, Cp, Bo	3		1	1	2	2	2								
	+		Sericite and chlorite dominante	3		1	2	2	2	2	196	100	–	–	630	12	16	1
	+			3		1	2	2	2	2								
200											200	100	–	–	921	14	24	28

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
			Granodiorite															
	+		fractured	2		2	2	2	2	3								
			moderately															
											202	100	—	—	896	21	35	5
	+		Dissemination	3		2	2	2	2	3								
			of Bo, Cp &								204	100	—	—	199	13	20	12
			Py															
	+			2		2	1	2	2	3	206	100	—	—	2258	15	18	27
			Qtz-stringers															
			abundant								208	100	—	—	1444	16	22	21
	+			2		2	1	2	2	3								
210											210	100	—	—	1993	12	16	56
			Granodiorite															
	+		fractured	2		2	2	2	2	3								
			strongly															
											212	100	—	—	3823	16	23	97
	+		Dissemination	2		2	2	2	2	3								
			& stockwork								214	100	—	—	1929	15	29	67
			of Bo, Cp &															
	+		Py	2		3	1	3	2	3	216	100	—	—	1424	285	29	262
											218	100	—	—	624	11	19	1447
218.60				2		3	1	3	2	3								
220	L		Quartz Por								220	100	—	—	1693	11	10	145
	L		fractured															
	L		strongly	5		1	2	3	2	1								
222.50																		
			Granodiorite								222	100	—	—	1255	13	16	58
	+		fractured	5		1	2	3	2	1								
			strongly								224	100	—	—	767	13	17	44
	+			3		2	1	2	2	2	226	100	—	—	1440	19	28	259
											228	100	—	—	3073	13	25	124
	+			3		2	1	2	2	2								
230											230	100	<0.1	4.0	12797	11	19	250
			Granodiorite															
	+		fractured	3		3	1	2	2	3								
			strongly &															
			argillized								232	100	—	—	3662	15	21	93
	+		moderately	3		3	1	2	2	3								
											234	100	—	—	2802	14	17	720
			Dissemination															
	+		& stockwork	3		3	1	1	2	3	236	100	—	—	2460	21	49	253
			of Bo, Cp, Py															
			and Mo								238	100	—	—	2403	15	26	156
	+			3		3	1	1	2	3								
240											240	100	—	—	627	15	29	15
			Granodiorite															
	+		fractured	2		3	1	2	2	3								
			moderately															
	+		Dissemination	2		3	1	2	2	3								
			of Bo, Cp &								244	100	—	—	2718	15	89	201
			Py															
	+			2		3	2	3	2	4								
			Mo-Stringers															
			occasionally								248	100	—	—	1562	13	37	90
	+			2		3	2	3	2	4								
250																		

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	+		Granodiorite fractured weakly	2		3	1	1	2	3								
											252	100	–	–	2124	15	35	252
	+			2		3	1	1	2	3								
	+			2		2	1	1	2	3	256	100	–	–	1420	13	73	60
	+			2		2	1	1	2	3								
260											260	100	<0.1	0.6	4221	12	64	50
	+		Granodiorite fractured strongly & argillized weakly	2		2	1	2	2	3								
	+			2		2	1	2	2	3								
											264	100	–	–	3236	11	19	109
	+		Dissemination of Bo, Cp & Py	3		2	1	2	2	3								
											268	100	–	–	1448	11	16	23
	+			3		2	1	2	2	3								
270																		
	+		Granodiorite fractured weakly	3		5	1	1	2	2								
											272	100	–	–	407	11	47	<1
	+		Dissemination of Bo, Cp & Py	3		5	1	1	2	2								
	+			3		2	1	1	2	2	276	100	–	–	3221	11	6	419
	+			3		2	1	1	2	2								
280											280	100	–	–	3361	12	43	176
	+		Granodiorite fractured moderately	3		3	1	1	2	2								
	+		Dissemination of Bo, Cp & Py	3		3	1	1	2	2								
											284	100	–	–	1990	10	26	183
	+			3		3	1	2	2	2								
			Qtz-stringers occasionally								288	100	–	–	1358	12	22	70
	+			3		3	1	2	2	2								
290																		
	+		Granodiorite fractured moderately	3		3	1	2	2	2								
											292	100	–	–	1506	11	27	67
	+		Dissemination of Bo, Cp, Py and Mo	3		3	1	2	2	2								
	+			1		2	1	1	2	1	296	100	–	–	1215	11	26	14
			Stockworks occasionally															
	+			1		2	1	1	2	1								
300																		
	+			2		2	1	2	2	4								
302.5			Bottom															

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
			Non-core															
2.00																		
	L		Quaartz Por fractured strongly	2		2	2	4	1	1								
	L		Dissemination of Cp & Py	2		2	2	4	1	1								
	L		Qtz-stringers occasionally	2		2	2	4	1	1	10	100	–	–	2631	8	5	28
10																		
	L		Quartz Por Fractured strongly	4		1	3	4	1	1								
	L		Dissemination & stockwork of Cp, Bo, Py	5		1	2	2	1	1								
	L		and Mo	4		1	3	4	1	2								
			Qtz-stringers								18	100	–	–	3141	10	25	27
	L		occasionally	4		1	3	4	1	2								
20																		
	L		Quartz Por fractured moderately	4		1	3	3	2	2								
	L		Dissemination of Bo, Cp, Mo and Py	4		1	3	3	2	2								
	L			4		1	2	3	2	1	26	100	–	–	2807	7	16	668
	L		Qtz-stringers occasionally	4		1	2	3	2	1								
30																		
	L		Quartz Por fractured moderately	4		1	3	3	2	2								
	L		Dissemination of Bo, Cp, Mo and Py	4		1	3	3	2	2	34	100	–	–	3827	11	20	87
	L			2		2	1	3	3	3								
36.40	+ +		Granodiorite fractured moderately	2		2	1	3	3	3								
38.80	L L		Quartz Por															
40																		
	+		Granodiorite fractured weakly	1		2	1	2	3	2	42	100	–	–	1440	10	22	37
	+		Dissemination of Cp, Py, Bo	1		2	1	2	3	2								
	+		Qtz-stringers occasionally	1		2	1	2	3	1								
	+			1		2	1	2	3	1								
50											50	100	–	–	2853	8	9	92

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth (m)	Core (cm)	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
	+		Granodiorite fractured weakly	1		2	1	1	2	1								
	+		Films of Bo Dissemination of Cp & Py	1		2	1	1	2	1								
	+			1		2	1	1	2	2	58	100	–	–	2475	11	15	35
60	+			1		2	1	1	2	2								
	+		Granodiorite fractured moderately	1		2	1	1	2	3								
	+		Films of Bo	1		1	1	2	2	1								
	+		Qtz-stringers with Mo	1		1	2	2	3	2	66	100	–	–	2664	10	19	63
70	+			1		1	2	2	3	2								
	+		Granodiorite fractured intensely	1		2	1	2	3	2								
	+		Dissemination of Bo, Cp & Py	1		2	1	2	3	2	74	100	–	–	413	11	24	17
	+			1		2	1	2	2	2								
80	+		Qtz-stringers with chl	1		2	1	2	2	2								
	+		Granodiorite fractured strongly	1		2	1	2	3	2	82	100	–	–	789	531	10	10
	+		Dissemination of Cp, Py & Bo	1		2	1	2	3	2								
	+		Qtz-stringers occasionally	1		2	1	2	3	2								
90	+			1		2	1	2	3	2	90	100	–	–	1898	14	20	15
	+		Granodiorite fractured moderately	1		2	1	2	3	2								
	+		Dissemination of Bo, Cp & Py	1		2	1	2	3	2								
	+			1		3	1	2	3	2								
100	+			1		3	1	2	3	2	98	100	–	–	712	11	13	13

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
			Granodiorite fractured strongly	1		3	1	2	3	2								
			Dissemination of Bo, Cp, Py and Mo	1		3	1	2	3	2								
105.00			Quartz Por fractured strongly	4		2	3	2	3	1	106	100	–	–	1750	12	19	55
108.00																		
109.20			Granodiorite	4		2	3	2	3	1								
110			Quartz Por															
111.00			Granodiorite fractured strongly	1		2	2	2	3	3								
112.60			Quartz Por fractured strongly	1		2	2	2	3	3	114	100	–	–	1331	10	20	123
			Dissemination & stockwork of Bo, Cp, Mo and Py	4		1	3	2	2	2								
				4		1	3	2	2	2								
120																		
			Quartz Por fractured strongly	4		1	3	2	2	2	122	100	<0.1	2.9	6252	10	12	252
			Dissemination & stockwork of Bo, Cp, Mo and Py	4		1	3	2	2	2								
				4		1	3	3	2	1								
				4		1	3	3	2	1								
130											130	100	–	–	588	10	13	8
			Quartz Por fractured moderately	4		2	3	2	2	1								
				1		2	2	3	3	2								
134.50			Granodiorite fractured	4		1	2	2	2	1								
136.50			Quartz Por fractured	4		1	2	2	2	1	138	100	–	–	202	10	24	12
140																		
			Quartz Por fractured moderately	4		1	3	3	2	1								
			Dissemination & stockwork of Cp, Py, Bo and Mo	4		1	3	3	2	1								
				1		2	2	3	3	2	146	100	–	–	1639	12	29	14
148.40			Granodiorite fractured	1		2	2	3	3	2								
150																		

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	+		Granodiorite fractured moderately	1		2	2	3	3	2								
	+		Dissemination & stockwork of Cp & Py	1		2	2	3	3	2	154	100	–	–	2456	12	11	57
	+		Sericite and chlorite dominate	1		2	2	3	3	2								
160	+			1		2	2	3	3	2								
161.30	+ L			4		1	3	2	2	2								
	L		Quartz Por fractured strongly	4		1	3	2	2	2	162	100	–	–	1379	10	23	17
	L		Dissemination & stockwork of Cp, Bo & Py	4		1	2	2	2	2								
170	L		Sericite and chlorite dominate	4		1	2	2	2	2	170	100	–	–	943	10	21	36
	L		Quartz Por fractured strongly	4		2	2	2	2	1								
	L		Dissemination & stockwork of Cp. Bo & Py	4		2	2	2	2	1								
	L			4		2	3	2	2	1								
180	L			4		2	3	2	2	1	178	100	–	–	711	11	17	10
	L		Quartz Por fractured strongly	4		2	2	2	2	1								
184.50	L			4		2	2	2	2	1								
187.00	+		Granodiorite fractured	2		2	1	2	2	1	186	100	–	–	1127	11	10	61
188.30 189.30 190	L L + + L		Quartz Por Granodiorite Films of Bo	2		2	1	2	2	1								
192.10	L		Quartz Por fractured	5		1	2	2	2	1								
	+		Granodiorite fractured moderately	5		1	2	2	2	1	194	100	–	–	2298	12	8	155
	+		Films of Bo & Cp	2		2	1	2	2	2								
200	+			2		2	1	2	2	2								

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	+		Granodiorite fractured moderately	1		2	2	2	2	2								
											202	100	–	–	903	14	11	59
	+		Dissemination of Bo, Cp & Py	1		2	2	2	2	2								
	+		Films of Bo Cp	1		2	1	2	2	1								
210	+			1		2	1	2	2	1	210	100	–	–	328	10	12	4
	+		Granodiorite fractured strongly	1		2	1	2	2	1								
	+		Films of Bo & Cp	1		2	1	2	2	1								
	+		Qtz-stringers occasionally	1		2	1	2	3	2								
											218	100	–	–	812	9	17	<1
220	+			1		2	1	2	3	2								
	+		Granodiorite fractured strongly	1		2	2	2	3	2								
	+		Films of Bo & Cp	1		2	2	2	3	2								
	+		Qtz-stringers with Cp & Py	1		2	1	2	2	1	226	100	–	–	410	14	24	3
230	+			1		2	1	2	2	1								
	+		Granodiorite fractured strongly	1		2	1	2	2	2								
	+		Films of Bo & Cp	1		2	1	2	2	2								
											234	100	–	–	1098	12	20	<1
	+			1		2	2	3	3	2								
240	+			1		2	2	3	3	2								
	+		Granodiorite fractured moderately	1		2	1	3	2	2								
											242	100	–	–	840	10	15	3
	+		Dissemination & stockwork of Bo, Cp & Py	1		2	1	3	2	2								
	+			1		2	1	3	2	2								
248.50 / 250	L L		Quartz Por fractured strongly	1		2	1	3	2	2	250	100	–	–	1553	11	60	24

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	L		Quartz Por fractured strongly	5		1	2	2	2	2								
254.30	L		Dissemination & stockwork of Bo, Cp, Py	5		1	2	2	2	2								
	+		Granodiorite fractured strongly	1		2	1	2	2	2								
260	+		Dissemination & stockwork occasionally	1		2	1	2	2	2	258	100	–	–	574	14	12	5
	+		Granodiorite fractured moderately	1		3	1	2	2	2								
	+		Films of Bo & Cp	1		3	1	2	2	2								
	+		Qtz-veinlets with Cp & Py	1		2	1	3	3	2	266	100	–	–	566	10	13	17
270	+			1		2	1	3	3	2								
	+		Granodiorite fractured weakly	1		2	1	2	2	1								
	+		Films of Bo & Cp	1		2	1	2	2	1	274	100	–	–	568	9	11	17
	+		Qtz-stringers occasionally	1		3	1	2	2	1								
280	+			1		3	1	2	2	1								
	+		Granodiorite fractured moderately	1		2	1	3	3	2								
	+		Dissemination of Cp, Bo & Py	1		2	1	3	3	2	282	100	–	–	452	12	19	14
	+			2		2	2	4	2	1								
290	+			2		2	2	4	2	1	290	100	–	–	3115	8	14	32
	+		Granodiorite fractured mokerately	1		2	1	3	2	2								
	+		Dissemination of Py & Cp	1		2	1	3	2	2								
	+			1		2	1	2	2	2								
300	+			1		2	1	2	2	2	298	100	–	–	1380	11	15	18
302	+		Bottom	1		2	1	2	2	2								

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
			Non-core															
2.00																		
			Granodiorite fractured moderately	1			1	3	2	1								
			Cracks filled with limo.& clay	4			1	1	1	1								
			Qtz-stringers occasionally	2			2	3	2	2								
10											10	100	–	–	504	11	24	24
			Granodiorite fractured moderately	1			2	3	2	2								
				1			1	4	2	2								
			Cracks filled with Bo,Cp, Cc,Py & Mo	1			1	4	4	3								
				1			1	4	3	2								
				2			2	3	3	2	18	100	–	–	1086	12	53	17
20				4			2	1	3	2								
			Granodiorite fractured moderately	3			2	2	2	2								
				2			1	2	3	2								
			Films of Bo,Cp & Py	2			2	2	4	3								
				2			1	2	3	2	26	100	–	–	167	13	45	1
				2			2	3	3	2								
30																		
			Granodiorite fractured strongly	2			3	4	3	2								
			Dissemination of Cp,Py,Bo, Mo and Cc	1			3	5	3	2	34	100	–	–	1023	10	39	66
			Qtz-stringers occasionally	2			3	5	4	3								
40																		
			Granodiorite fractured strongly	1			2	5	3	2								
			Dissemination								42	100	–	–	1390	12	41	194
			& stockwork of Cp,Py,Bo,	1			2	5	3	2								
			Mo and Cc	2			2	3	4	3								
			Qtz-stringers occasionally	1			2	5	4	2								
				2			2	4	3	2								
50											50	100	–	–	2801	13	33	2

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	+		Granodiorite fractured moderately	1			2	3	3	2								
				3			2	3	4	2								
	+		Dissemination of Py, Cp, Bo, Mo and Cc	3			2	4	4	1								
	+			4			3	3	3	1								
			Qtz-stringer occasionally	4			2	3	2	1	58	100	<0.1	3.5	17686	9	44	225
59.00	+																	
60	┐		Diorite Por fractured strongly	4			2	3	2	1								
	┐		Dissemination & stockwork of Py, Cp, Bo, Mo and Cc	4			3	3	2	2								
	┐			4			3	4	1	1	66	100	<0.1	2.0	6275	9	14	78
	┐		Films of minerals predominant	5			3	4	1	1								
70	┐		Diorite Por fractured strongly	4			3	4	1	1								
	┐		Dissemination & stockwork of Cp, Bo, Mo, Cc and Py	4			3	4	1	1								
	┐			4			3	4	2	1	74	100	<0.1	4.4	12761	10	33	326
76.00	L		Quartz Por fractured strongly	4			3	4	2	1								
	L		Stockwork	3			3	4	2	1								
80	L			3			3	4	2	1								
	L		Quartz Por fractured moderately	3			2	4	2	1								
	L			3			2	4	2	1	82	100	－	－	1910	7	15	559
	L		Dissemination of Cp, Bo, Mo and Py	3			2	4	2	1								
	L			3			2	4	2	1								
	L		Qtz-stringers occasionally	4			2	4	1	1								
90	L			4			2	4	1	1	90	100	<0.1	1.3	6037	9	13	135
	L		Quartz Por fractured strongly	4			2	4	1	1								
	L		Dissemination & stockwork of Cp, Bo, Cc Mo and Py	4			2	4	1	1								
	L			4			2	4	1	1								
	L			4			2	4	1	1	98	100	－	－	3338	9	16	142
100	L			4			2	4	1	1								

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	L		Quartz Por fractured intensely	4			2	4	1	1								
	L			1			3	3	1	1								
	L		Dissemination & stockwork of Cp, Bo, Mo and Py	3			3	5	2	1								
	L										106	100	<0.1	0.7	4468	10	16	12
110	L			3			3	5	2	1								
	L		Quartz Por fractured Strongly	3			2	5	1	1								
	L			5			3	3	1	1								
	L		Dissemination & stockwork Of Cp, Bo, Mo and Py	5			2	3	1	1	114	100	–	–	665	3	2	231
	L			5			3	3	1	1								
119.00	L			5			2	3	1	1								
120	+		Granodiorite	5			3	3	1	1								
	L		Quartz Por fractured intensely	3			3	4	2	1								
	L										122	100	–	–	1696	8	13	194
	L		Dissemination & stockwork	3			3	3	3	1								
126.40	L			3			3	4	2	1								
128.20	+		Granodiorite stockwork	3			2	3	2	1								
130	L		Quartz Por fractured	3			2	3	2	1	130	100	<0.1	1.5	6937	9	13	12
	L		strongly Dissemination & stockwork of Cp, Bo, Mo and Py	4			1	2	3	1								
	L			4			2	2	3	2								
	L		Qtz-stringers abundant	4			2	4	1	1								
	L										138	100	<0.1	1.1	4751	9	8	44
140	L			3			2	5	1	1								
	L		Quartz Por fractured strongly	3			2	4	1	1								
	L		Dissemination & stockwork	3			2	5	1	1								
144.00	+		Granodiorite fractured	4			3	4	1	1								
	+		strongly	4			3	4	1	1	146	100	<0.1	2.9	7825	10	15	32
147.00	ㄱ		Diorite Por fractured strongly	3			4	5	1	1								
149.00 / 150	+		Granodiorite	4			2	4	2	1								

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
			Dark gray Granodiorite (dioritic)	4			2	4	2	1								
				4			2	4	2	1								
			Dissemination & stockwork of Cp, Bo, Mo, Cc and Py	4			2	4	2	1	154	100	−	−	716	11	13	1417
				4			2	3	2	1								
			Qtzstringers abundant	4			2	3	2	1								
160																		
			Dark gray Granodiorite (dioritic)	4			2	3	2	1								
				4			2	3	2	1	162	100	<0.1	1.0	4116	13	17	66
			Dissemination & stockwork of Cp, Bo, Mo, Cc and Py	3			2	4	1	1								
				5			3	1	1	1								
			Qtz-stringers abundunt	5			3	1	1	1								
170				4			2	4	1	1	170	100	<0.1	1.4	7839	9	9	384
			Granosiorite (dioritic)	4			2	4	1	1								
			Dissemination & stockwork	4			2	4	1	1								
175.20				5			3	2	2	1								
			Quartz Por fractured strongly	5			3	2	2	1								
				3			4	5	1	1	178	100	<0.1	1.8	5214	7	8	414
180			Dissemination & stockwork	5			3	2	1	1								
180.60			Granodiorite fractured weakly	5			3	2	1	1								
				5			2	3	2	1								
			Films of Bo, Cp and Py	5			2	3	2	1								
				5			2	3	2	1	186	100	<0.1	2.1	6304	8	33	138
				3			2	3	2	1								
190				3			2	3	2	1								
			Granodiorite fractured weakly	2			2	3	2	1								
				2			2	3	2	1								
			Cracks with Bo, Cp and Py	2			2	3	2	1	194	100	<0.1	1.9	6087	12	15	316
			Qtz-stringers commonly	2			2	3	2	1								
				2			2	3	2	1								
200				2			2	3	2	1								

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	+		Granodiorite fractured weakly	3			2	3	3	1								
				3			2	3	3	1	202	100	—	—	3078	10	12	159
	+		Cracks with Bo, Cp and Py	3			2	3	3	1								
	+		Qtz-stringers occasionally	3			2	3	3	1								
				3			2	3	3	1								
210	+			3			2	3	2	1	210	100	<0.1	2.4	6809	8	15	556
	+		Granodiorite fractured weakly	3			2	4	2	1								
				3			2	4	2	1								
	+		Films of Bo, Cp & Py	3			2	4	2	1								
	+		Qtz-stringers occasionally	3			3	5	1	1								
				5			3	3	1	1	218	100	<0.1	3.5	11098	5	21	620
220	+		215.0-224.6 dioritic	5			3	3	1	1								
	+		Granodiorite fractured strongly	3			3	5	1	1								
				3			3	5	1	1								
	+		Dissemination & stockwork	3			3	5	1	1								
	+		of Bo, Cp, Cc, Mo and Py	3			3	5	1	1	226	100	<0.1	4.3	13683	8	11	189
				3			3	5	1	1								
230	+			3			3	5	1	1								
	+		Granodiorite fractured strongly	3			2	4	1	1								
				3			2	4	1	1								
	+		Dissemination & stockwork	3			2	4	1	1	234	100	<0.1	1.5	4115	11	10	61
	+		of Bo, Cp, Cc, Mo and Py	3			2	4	1	1								
			Qtz-stringers abundant	3			2	4	1	1								
240	+			3			2	4	1	1								
	+		Granodiorite fractured strongly	3			3	5	1	1								
			Dissemination & stockwork	3			3	5	1	1	242	100	<0.1	1.7	4132	9	6	151
	+		of Bo, Cp, Cc, Mo and Py	3			3	5	1	1								
	+			3			3	5	1	1								
			241.5-243.0 dioritic	3			3	5	1	1								
250	+		Qtz-stringers abundant	3			3	5	1	1	250	100	<0.1	1.8	5835	8	49	357

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	+		Granodiorite silicified strongly &	3			3	5	1	1								
	+		fractured strongly	3			3	5	1	1								
			Dissemination & stockwork	3			3	5	1	1								
	+		of Cp, Bo, Mo, Cc and Py	4			3	5	1	1								
	+			4			3	5	1	1	258	100	—	—	3185	7	45	307
260				4			3	5	1	1								
	+		Granodiorite silicidied & fractured	4			3	4	1	1								
	+		strongly Qtz stringers	4			3	4	1	1								
			abundunt Dissemination	4			4	5	1	1								
	+		& stockwork of bo, Cp, Mo,	4			4	5	1	1	266	100	<0.1	2.5	5385	9	18	74
	+		Cc and Py	4			4	5	1	1								
270			Bottom	4			4	5	1	1								
280																		
290																		
300																		

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
			Non-Core															
			Granodiorite Strongly altered and weathered															
10											10	100	<0.1	1.7	10458	12	10	8
			Granodiorite (dioritic)	1		2	4	4	2	2								
			Dissemination of Py & Cp	1		2	4	4	2	2								
				1		2	4	4	2	2	15	100	–	–	3586	14	11	78
				2		1	3	5	1	3								
				2		1	3	5	1	3	18	100	<0.1	1.5	5286	19	40	169
20				2		1	3	5	1	3								
			Granodiorite (dioritic) Strongly fractured & argilized	1		1	3	5	1	3								
				1		1	3	5	1	3	22	100	<0.1	4.9	11415	18	69	48
				1		1	3	5	1	3								
			Dissemination of Py, Cp, Bo and Mo	1		1	3	5	1	3	26	100	–	–	3886	16	84	45
				1		1	3	5	1	3	28	100	–	–	1665	14	24	22
30				2		1	2	5	1	2	30	100	<0.1	2.0	8273	12	37	1036
			Granodiorite (dioritic) Strongly fractured & altered	2		1	3	5	2	1								
				2		1	3	5	2	1	32	100	<0.1	2.1	6235	13	33	27
				2		1	3	5	2	1	34	100	<0.1	1.3	4303	18	36	29
			Dissemination of Py, Cp, Bo and Mo	2		1	3	5	2	1	36	100	<0.1	1.6	5778	13	30	37
				2		1	3	5	2	1	38	100	<0.1	5.3	10145	9	30	307
40				2		1	3	5	2	1	40	100	<0.1	5.9	10341	15	32	1239
			Granodiorite (dioritic) Strongly fractured & altered	2		2	3	4	3	3								
				2		2	3	4	3	3	42	100	<0.1	2.3	4838	15	18	434
				2		2	3	4	3	3	44	100	–	–	3627	11	25	206
			Dissemination of Bo, Cp, Py and Mo	3		2	3	2	3	1	46	100	–	–	1520	10	28	223
				3		2	3	2	3	1	48	100	<0.1	7.5	14580	9	18	150
50				3		2	3	2	3	1	50	100	–	–	3788	14	15	212

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
			Granodiorite Strongly	1		2	3	4	5	3								
			fractured & argilized	1		2	3	4	5	3	52	100	–	–	3067	11	22	14
			Dissemination of Bo, Cp, Py	1		2	3	4	5	3	54	100	–	–	3856	12	22	82
			and Mo	3		1	2	5	4	2	56	100	<0.1	1.7	9626	14	31	137
			Quartz veinlet abundant	3		1	2	5	4	2	58	100	–	–	2638	13	10	471
60				3		1	2	5	4	2								
			Granodiorite Strongly	3		1	2	4	4	2	61	100	–	–	1912	12	15	42
			fractured & argilized	3		1	2	4	4	2	62	100	–	–	1458	9	20	9
				3		1	2	4	4	2								
66.35			Diorite Por.	3		1	2	3	2	3	66	100	–	–	626	12	21	46
			Strongly silicified &	3		1	2	3	2	3	68	100	–	–	1027	14	30	388
70			fractured	3		1	2	3	2	3	70	100	–	–	895	16	37	15
			Dissemination of Cp, Py, Bo and Mo	3		2	2	4	3	3								
74.39				3		2	2	4	3	3	72	100	–	–	1733	20	43	210
			Granodiorite Strongly argilized &	3		2	2	4	3	3	74	100	–	–	358	15	13	16
			fractured	3		2	2	3	3	2	76	100	–	–	1141	15	24	10
				3		2	2	3	3	2	78	100	–	–	697	14	14	74
80				3		2	2	3	3	2	80	100	–	–	1532	16	15	60
			Granodiorite fractured & argilized	3		1	1	4	3	3								
				3		1	1	4	3	3								
			Dissemination								83	100	<0.1	6.5	4593	19	19	68
			of Py, Mo, Cp and Bo	3		1	1	4	3	3								
				3		1	2	4	3	3	86	100	–	–	821	15	17	111
				3		1	2	4	3	3								
90				3		1	2	4	3	3	90	100	–	–	434	15	17	25
			Granodiorite fractured,	3		1	2	2	2	3								
			argilized & silicified	3		1	2	2	2	3								
			Dissemination	3		1	2	2	2	3	94	100	–	–	562	14	15	77
			of Py, Cp, Mo and Bo	3		1	2	4	2	3								
				3		1	2	4	2	3	98	100	–	–	775	18	24	58
100				3		1	2	4	2	3								

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
			Granodiorite Weakly fractured & argilized	3		1	2	4	2	3								
				3		1	2	4	2	3	102	100	－	－	804	11	16	259
			Dissemination of Cp, Bo, Py	3		1	2	4	2	3								
				3		1	2	4	3	2	106	100	－	－	1480	13	16	259
				3		1	2	4	3	2								
110				3		1	2	4	3	2	110	100	－	－	1059	17	37	169
			Granodiorite Strongly fractured & argilized	3		1	3	5	3	1								
				3		1	3	5	3	1								
			Dissemination of Cp, Py, Bo	3		1	3	5	3	1	114	100	－	－	1241	16	32	16
				3		1	2	4	2	1								
				3		1	2	4	2	1	118	100	－	－	1895	14	26	23
120				3		1	2	4	2	1								
			Granodiorite fractured & argilized	2		1	3	5	2	1								
				2		1	3	5	2	1	122	100	－	－	862	11	13	6
			Dissemination of Py, Cp and Molybdenite	2		1	3	5	2	1								
				2		1	3	5	2	1	126	100	－	－	1518	17	25	50
				2		1	3	5	2	1								
130				2		1	3	5	2	1	130	100	－	－	846	13	12	33
			Granodiorite fractured & argilized	2		1	3	5	3	1								
				2		1	3	5	3	1								
			Dissemination of Py, Mo and a few Cp, Bo	2		1	3	5	3	1	134	100	－	－	1781	11	14	66
				2		1	3	5	3	1								
				2		1	3	5	3	1	138	100	－	－	664	12	14	5
140				2		1	3	5	3	1								
			Granodiorite Strongly silicified & fractured	3		1	2	3	2	1								
				3		1	2	3	2	1	142	100	－	－	1027	11	9	56
			Dissemination of Py, Mo and a few Cp, Bo	3		1	2	3	2	1								
				3		1	3	5	3	1	146	100	－	－	485	26	21	950
				3		1	3	5	3	1								
150				3		1	3	5	3	1	150	100	－	－	286	16	15	16

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
150.40			Diorite Por Strongly silicified Mo-veinlets Dissemination of Py and Mo	2		1	4	5	3	1								
				2		1	4	5	3	1								
				2		1	4	5	3	1	154	100	—	—	406	17	24	31
				2		1	4	5	2	1								
				2		1	4	5	2	1	158	100	—	—	515	25	23	134
160				2		1	4	5	2	1								
			Diorite Por silicified Dissemination of Cp, Py, Bo and Mo	3		1	4	5	1	1								
				3		1	4	5	1	1	162	100	—	—	355	25	19	1187
				3		1	4	5	1	1								
				3		1	3	4	1	1	166	100	—	—	222	28	23	119
				3		1	3	4	1	1								
170				3		1	3	4	1	1	170	100	—	—	394	21	19	334
			Diorite Por silicified Dissemination of Py, cp, Bo and Mo	2		1	4	5	2	1								
				2		1	4	5	2	1								
				2		1	4	5	2	1	174	100	—	—	333	18	20	42
				2		1	4	3	2	1								
				2		1	4	3	2	1	178	100	—	—	659	24	21	30
180				2		1	4	3	2	1								
				3		1	3	4	3	1								
182.67			Granodiorite silicified Dissemination of Bo, Cp and Py	3		1	3	4	3	1	182	100	—	—	445	7	9	877
				3		1	3	4	3	1								
				3		3	2	3	2	1	186	100	—	—	1084	15	9	47
				3		3	2	3	2	1								
190				3		3	2	3	2	1	190	100	—	—	1126	15	9	206
			Granodiorite silicified Dissemination of Cp, Py and Bo	2		2	4	5	2	1								
				2		2	4	5	2	1								
				2		2	4	5	2	1	194	100	—	—	626	15	10	26
				2		2	4	5	2	1								
				2		2	4	5	2	1								
200				3		2	3	4	2	1	200	100	—	—	313	11	9	8
202			Bottom															

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
			Non-Core															
2.00			Granodiorite Strongly															
			altered & weathered	1		1	1	1	1	1								
			Quartz veinlet	3		1	4	5	4	4								
			and stringers	3		1	4	5	4	4								
10				3		1	4	5	4	4	10	100	–	–	1666	28	38	1430
			Granodiorite Strongly	3		1	4	5	4	4								
			fractured & altered	3		1	4	5	4	4								
			Quartz veinlet and stringers	3		1	4	5	4	4								
			with Py & Cp	3		1	4	5	4	4								
				3		1	4	5	4	4	18	100	–	–	534	15	22	10
20				3		1	4	5	4	4								
			Granodiorite silicified	3		1	4	5	4	4								
			Strongly fractured &	3		1	4	5	4	4								
			altered	3		1	4	5	4	4								
			Dissemination of Py, Cp &	1		1	4	4	2	3	26	100	–	–	628	11	28	3
			molybdenite	1		1	4	4	2	3								
30				1		1	4	4	2	3								
			Granodiorite silicified	1		1	3	4	3	3								
			Weakly fractured & altered	1		1	3	4	3	3								
				1		1	3	4	3	3	34	100	–	–	1121	10	31	64
				1		1	3	2	1	2								
				1		1	3	2	1	2								
40				1		1	3	2	1	2								
			Granodiorite Strongly	3		1	3	4	4	2								
			fractured	3		1	3	4	4	2	42	100	–	–	1653	19	375	21
			Dissemination weakly of	3		1	3	4	4	2								
			Py and Cp	3		1	3	4	4	2								
				3		1	3	4	4	2								
50				3		1	3	4	4	2	50	100	–	–	1479	10	28	<1

Depth	Strati-Column	Structure	Description	Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	+		Granodiorite Weakly fractured &	2		1	3	3	3	2								
	+		altered	2		1	3	3	3	2								
			Dissemination of Py and Cp	2		1	3	3	3	2								
	+			2		1	4	4	3	2								
	+		Abundant kaolinite	2		1	4	4	3	2	58	100	—	—	1333	12	24	9
60				2		1	4	4	3	2								
	+		Granodiorite Weakly fractured &	1		1	4	4	3	2								
	+		altered	1		1	4	4	3	2								
			Dissemination of Py & Cp	1		1	4	4	3	2								
	+			1		1	5	4	3	2	66	100	—	—	2983	11	33	55
	+			1		1	5	4	3	2								
70				1		1	5	4	3	2								
	+		Granodiorite fractured & altered	1		1	5	4	3	2								
	+			1		1	5	4	3	2								
			Dissemination of Py & Cp	1		1	5	4	3	2	74	100	—	—	2588	9	24	41
	+		Quartz veinlet with Py & Cp	1		1	4	4	3	2								
	+			1		1	4	4	3	2								
80				1		1	4	4	3	2								
	+		Granodiorite fractured &	1		1	4	4	3	3								
	+		altered	1		1	4	4	3	3	82	100	<0.1	1.5	5374	11	28	1
			Dissemination of Py & Cp	1		1	4	4	3	3								
	+			1		1	3	5	4	4								
	+			1		1	3	5	4	4								
90				1		1	3	5	4	4	90	100	—	—	1456	10	23	<1
	+		Granodiorite fractured &	2		1	5	5	4	4								
	+		altered	2		1	5	5	4	4								
			Dissemination of Py & Cp	2		1	5	5	4	4								
	+		Quartz veinlet with Py & Cp	2		1	3	5	4	4								
	+			2		1	3	5	4	4	98	100	—	—	2188	16	35	4
100				2		1	3	5	4	4								

Depth	Strati-Column	Structure	Description	Alteration: Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Assay Results: Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	+		Granodiorite fractured & altered	3		1	3	3	4	2								
	+			3		1	3	3	4	2								
	+		Dissemination of Py, Cp, Bo and Mo	3		1	3	3	4	2								
	+			3		1	3	4	4	3	106	100	–	–	2039	11	28	4
	+			3		1	3	4	4	3								
110				3		1	3	4	4	3								
	+		Granodiorite fractured & altered	2		1	3	4	3	2								
	+			2		1	3	4	3	2								
	+		Quartz veinlet with Py & Cp	2		1	3	4	3	2	114	100	–	–	1017	13	28	7
	+		Dissemination of Py and Cp	3		1	3	5	4	2								
	+			3		1	3	5	4	2								
120				3		1	3	5	4	2								
	+		Granodiorite fractured & altered	1		1	1	3	2	2								
	+			1		1	1	3	2	2	122	100	–	–	393	12	26	4
	+		Quartz veinlet with Py & Cp	1		1	1	3	2	2								
	+			1		1	3	3	2	2								
	+			1		1	3	3	2	2								
130				1		1	3	3	2	2	130	100	–	–	1524	13	35	8
	+		Granodiorite fractured and altered	1		1	2	3	3	3								
	+			1		1	2	3	3	3								
	+		Quartz veinlet eith Py and Cp	1		1	2	3	3	3								
	+			1		1	4	4	3	3								
	+			1		1	4	4	3	3	138	100	–	–	1209	14	26	29
140				1		1	4	4	3	3								
	+		Granodiorite fractured and weakly altered	3		1	2	2	2	2								
	+			3		1	2	2	2	2								
	+		Quartz veinlet with Py & Cp	3		1	2	2	2	2								
	+			3		1	3	5	3	3	146	100	–	–	966	13	26	<1
	+			3		1	3	5	3	3								
150				3		1	3	5	3	3								

Depth	Strati-Column	Structure	Description	Quartz	Biotite	K-feldspar	Sericite	Kaoline	Chlorite	Epidote	Depth m	Core cm	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Mo ppm
	+		Granodiorite weakly fractured	2		1	2	2	1	1								
	+		and altered	2		1	2	2	1	1								
			Mineralization in fractures	2		1	2	2	1	1	154	100	–	–	292	12	31	<1
	+		(Cp, Py)	1		1	4	4	3	3								
	+			1		1	4	4	3	3								
160				1		1	4	4	3	3								
	+		Granodiorite weakly fractured	1		1	2	2	4	2								
	+		and altered	1		1	2	2	4	2	162	100	–	–	1657	14	22	61
			Dissemination of Py and Cp	1		1	2	2	4	2								
	+			1		1	2	2	4	2								
	+			1		1	2	2	4	2								
170				1		1	2	2	4	2	170	100	–	–	345	12	34	20
	+		Granodiorite fractured	1		1	1	1	2	1								
	+		and altered	1		1	1	1	2	1								
			Carbonate minerals in	1		1	1	1	2	1								
	+		fractures	1		1	4	5	4	3								
	+			1		1	4	5	4	3	178	100	–	–	1215	11	38	11
180				1		1	4	5	4	3								
	+		Granodiorite fractured	1		1	3	4	4	3								
	+		and altered	1		1	3	4	4	3								
			Dissemination of Py and Cp	1		1	3	4	4	3								
	+		Chlorite in fracture with	1		1	3	4	4	3	186	100	–	–	409	21	62	13
	+		carbonate minerals	1		1	3	4	4	3								
190				1		1	3	4	4	3								
	+		Granodiorite strongly fractured	1		1	4	4	4	3								
	+		and altered	1		1	4	4	4	3								
			Kaolinite and carbonate	1		1	4	4	4	3	194	100	<0.1	1.2	4971	16	31	9
	+		minerals in fractured	1		1	4	4	4	3								
	+			1		1	4	4	4	3								
200				1		1	4	4	4	3								
201.5	+		Bottom															

Appendix 4 Assay data of Drill core samples

平成6年2月23日
1994-02-23

Assay Results
分析成績報告書

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地科学試験所

Drilling Cores of Junin Project
下記の通りご報告申し上げます。 エクアドル ボーリングコア

No	Sample 供試品		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm			
1	MJJ-10	10.00	<0.1	1.2	7170	22	28	<1			
2		14.00	<0.1	0.7	4195	15	26	4			
3		18.00	-	-	3890	17	72	67			
4		22.00	<0.1	5.0	73871	14	85	37			
5		26.00	<0.1	1.0	4989	13	30	2			
6		30.00	<0.1	1.9	8304	11	24	542			
7		34.00	-	-	540	14	129	9			
8		38.00	-	-	177	18	454	<1			
9		42.00	-	-	133	16	425	<1			
10		46.00	-	-	421	12	138	<1			
11		50.00	<0.1	0.9	4442	12	71	2			
12		52.00	<0.1	1.7	5313	12	90	29			
13		54.00	-	-	2867	10	34	<1			
14		56.00	-	-	2382	14	55	2			
15		58.00	<0.1	4.6	22106	19	222	57			
16		60.00	<0.1	4.1	22113	14	186	42			
17		62.00	-	-	2988	15	254	<1			
18		64.00	<0.1	1.6	5290	15	430	6			
19		66.00	-	-	1635	13	99	1			
20		68.00	-	-	2326	15	115	2			
21		70.00	-	-	2017	10	45	7			
22		72.00	-	-	1985	15	562	11			
23		74.00	-	-	1841	11	303	8			
24		76.00	-	-	828	13	133	<1			
25		78.00	-	-	2116	9	138	5			

No	Sample 供 試 品		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm			
26	MJJ-10	80.00	<0.1	4.0	4991	14	188	118			
27		82.00	-	-	705	17	194	10			
28		84.00	-	-	130	16	140	<1			
29		86.00	-	-	127	12	180	<1			
30		88.00	-	-	326	16	449	2			
31		148.00	-	-	525	12	426	<1			
32		158.00	<0.1	12.0	38285	19	221	5			
33		162.00	-	-	454	15	349	<1			
34		166.00	-	-	426	17	70	5			
35		170.00	-	-	721	16	160	<1			
36		190.00	-	-	1130	12	127	<1			
37		194.00	-	-	662	12	123	6			
38		202.00	-	-	214	15	81	<1			
39		206.00	-	-	233	18	97	<1			
40		210.00	-	-	3227	15	60	14			
41		214.00	<0.1	2.6	20271	12	47	2			
42		222.00	-	-	195	11	84	2			
43		224.00	-	-	166	12	103	1			
44		226.00	-	-	258	15	59	6			
45		230.00	-	-	853	13	273	19			
46		234.00	-	-	416	13	85	<1			
47		238.00	<0.1	10.8	35794	11	38	16			
48		256.00	-	-	112	13	81	<1			
49		260.00	-	-	216	15	82	<1			
50		264.00	-	-	622	15	230	<1			
51		268.00	<0.1	1.9	4246	22	153	59			
52		272.00	-	-	359	16	376	<1			
53		278.00	-	-	1168	15	177	6			
54		282.00	-	-	426	103	124	11			
55		292.00	<0.1	2.1	6480	14	106	469			
56		298.00	-	-	297	14	69	8			
57	MJJ-11	10.00	-	-	251	10	28	242			
58		14.00	<0.1	1.4	9722	11	20	131			
59		18.00	-	-	1898	14	52	23			
60		22.00	-	-	3685	13	27	131			

No	Sample 供 試 品		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm			
61	MJJ-11	26.00	-	-	2272	10	25	235			
62		30.00	-	-	2442	12	38	10			
63		34.00	-	-	834	10	33	87			
64		38.00	-	-	943	14	25	25			
65		42.00	-	-	121	12	32	2			
66		46.00	-	-	3902	10	23	16			
67		50.00	-	-	1751	14	28	5			
68		52.00	-	-	308	11	33	<1			
69		54.00	-	-	130	12	44	<1			
70		56.00	<0.1	2.2	8221	10	24	249			
71		58.00	-	-	737	12	39	<1			
72		60.00	-	-	866	14	57	8			
73		62.00	-	-	3799	12	37	9			
74		64.00	-	-	2196	12	41	96			
75		66.00	-	-	2153	13	30	18			
76		68.00	-	-	1341	11	29	5			
77		70.00	-	-	384	11	22	<1			
78		72.00	-	-	2009	31	505	335			
79		74.00	-	-	1093	13	22	10			
80		76.00	-	-	350	10	28	25			
81		78.00	-	-	879	10	31	28			
82		80.00	<0.1	1.4	4284	12	22	24			
83		82.00	<0.1	3.3	9901	12	22	1089			
84		84.00	-	-	708	14	19	19			
85		86.00	-	-	2134	11	24	324			
86		88.00	-	-	3217	11	17	460			
87		90.00	-	-	807	15	42	50			
88		94.00	-	-	1014	15	34	20			
89		98.00	-	-	663	15	31	39			
90		102.00	-	-	448	12	36	<1			
91		106.00	-	-	629	15	47	<1			
92		110.00	-	-	179	11	41	5			
93		112.00	-	-	873	15	43	9			
94		114.00	-	-	238	12	39	21			
95		118.00	-	-	694	15	32	71			

No	Sample 供試品		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm			
96	MJJ-11	122.00	-	-	3064	13	15	67			
97		126.00	-	-	639	13	37	9			
98		130.00	-	-	247	11	35	12			
99		134.00	-	-	730	15	31	46			
100		138.00	<0.1	1.8	4509	17	36	4			
101		140.00	-	-	2513	14	24	20			
102		142.00	-	-	2967	14	33	20			
103		144.00	<0.1	0.7	6476	11	24	48			
104		146.00	<0.1	1.3	10482	14	18	448			
105		148.00	-	-	1205	9	26	57			
106		150.00	-	-	457	15	24	4			
107		152.00	-	-	3582	15	22	56			
108		154.00	-	-	1134	18	24	113			
109		156.00	-	-	600	14	16	3			
110		158.00	-	-	1276	16	26	74			
111		160.00	-	-	1751	16	28	8			
112		162.00	-	-	609	16	34	8			
113		164.00	-	-	2554	13	27	69			
114		166.00	-	-	1740	11	26	12			
115		168.00	-	-	1309	19	22	22			
116		170.00	-	-	2892	13	21	101			
117		172.00	-	-	1173	12	11	63			
118		174.00	-	-	1238	11	18	267			
119		176.00	<0.1	3.9	12304	12	11	387			
120		178.00	-	-	1244	14	20	20			
121		180.00	-	-	3575	11	21	150			
122		184.00	-	-	2448	12	19	264			
123		188.00	-	-	838	11	21	53			
124		192.00	-	-	1732	13	20	171			
125		196.00	-	-	630	12	16	1			
126		200.00	-	-	921	14	24	28			
127		202.00	-	-	896	21	35	5			
128		204.00	-	-	199	13	20	12			
129		206.00	-	-	2258	15	18	27			
130		208.00	-	-	1444	16	22	21			

No	Sample 供試品		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm			
131	MJJ-11	210.00	–	–	1993	12	16	56			
132		212.00	–	–	3823	16	23	97			
133		214.00	–	–	1929	15	29	67			
134		216.00	–	–	1424	285	29	262			
135		218.00	–	–	624	11	19	1447			
136		220.00	–	–	1693	11	10	145			
137		222.00	–	–	1255	13	16	58			
138		224.00	–	–	767	13	17	44			
139		226.00	–	–	1440	19	28	259			
140		228.00	–	–	3073	13	25	124			
141		230.00	<0.1	4.0	12797	11	19	250			
142		232.00	–	–	3662	15	21	93			
143		234.00	–	–	2802	14	17	720			
144		236.00	–	–	2460	21	49	253			
145		238.00	–	–	2403	15	26	156			
146		240.00	–	–	627	15	29	15			
147		244.00	–	–	2718	15	89	201			
148		248.00	–	–	1562	13	37	90			
149		252.00	–	–	2124	15	35	252			
150		256.00	–	–	1420	13	73	60			
151		260.00	<0.1	0.6	4221	12	64	50			
152		264.00	–	–	3326	11	19	109			
153		268.00	–	–	1448	11	16	23			
154		272.00	–	–	407	11	47	<1			
155		276.00	–	–	3221	11	6	419			
156		280.00	–	–	3361	12	43	176			
157		284.00	–	–	1990	10	26	183			
158		288.00	–	–	1858	12	22	70			
159		292.00	–	–	1606	11	27	67			
160		296.00	–	–	1215	11	26	14			
161	MJJ-12	10.00	–	–	2631	8	5	28			
162		18.00	–	–	3141	10	25	27			
163		26.00	–	–	2807	7	16	668			
164		34.00	–	–	3827	11	20	87			
165		42.00	–	–	1440	10	22	37			

No	Sample 供 試 品		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm			
166	MJJ-12	50.00	-	-	2853	8	9	92			
167		58.00	-	-	2475	11	15	35			
168		66.00	-	-	2664	10	19	63			
169		74.00	-	-	413	11	24	17			
170		82.00	-	-	789	531	10	10			
171		90.00	-	-	1898	14	20	15			
172		98.00	-	-	712	11	13	13			
173		106.00	-	-	1750	12	19	55			
174		114.00	-	-	1331	10	20	123			
175		122.00	<0.1	2.9	6252	10	12	252			
176		130.00	-	-	588	10	13	8			
177		138.00	-	-	202	10	24	12			
178		146.00	-	-	1639	12	29	14			
179		154.00	-	-	2456	12	11	57			
180		162.00	-	-	1379	10	23	17			
181		170.00	-	-	943	10	21	36			
182		178.00	-	-	711	11	17	10			
183		186.00	-	-	1127	11	10	61			
184		194.00	-	-	2298	12	8	155			
185		202.00	-	-	903	14	11	59			
186		210.00	-	-	328	10	12	4			
187		218.00	-	-	812	9	17	<1			
188		226.00	-	-	410	14	24	3			
189		234.00	-	-	1098	12	20	<1			
190		242.00	-	-	840	10	15	3			
191		250.00	-	-	1553	11	60	24			
192		258.00	-	-	574	14	12	5			
193		266.00	-	-	566	10	13	17			
194		274.00	-	-	568	9	11	17			
195		282.00	-	-	452	12	19	14			
196		290.00	-	-	3115	8	14	32			
197		298.00	-	-	1380	11	15	18			
198	MJJ-13	10.00	-	-	504	11	24	24			
199		18.00	-	-	1086	12	53	17			
200		26.00	-	-	167	13	45	1			

No	Sample 供 試 品		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm			
201	MJJ-13	34.00	-	-	1023	10	39	66			
202		42.00	-	-	1390	12	41	194			
203		50.00	-	-	2801	13	33	2			
204		58.00	<0.1	3.5	17686	9	44	225			
205		66.00	<0.1	2.0	6275	9	14	78			
206		74.00	<0.1	4.4	12761	10	33	326			
207		82.00	-	-	1910	7	15	559			
208		90.00	<0.1	1.3	6037	9	13	135			
209		98.00	-	-	3338	9	16	142			
210		106.00	<0.1	0.7	4468	10	16	12			
211		114.00	-	-	665	3	2	231			
212		122.00	-	-	1696	8	13	194			
213		130.00	<0.1	1.5	6937	9	13	12			
214		138.00	<0.1	1.1	4751	9	8	44			
215		146.00	<0.1	2.9	7825	10	15	32			
216		154.00	-	-	716	11	13	1417			
217		162.00	<0.1	1.0	4116	13	17	66			
218		170.00	<0.1	1.4	7839	9	9	384			
219		178.00	<0.1	1.8	5214	7	8	414			
220		186.00	<0.1	2.1	6304	8	33	138			
221		194.00	<0.1	1.9	6087	12	15	316			
222		202.00	-	-	3078	10	12	159			
223		210.00	<0.1	2.4	6809	8	15	556			
224		218.00	<0.1	3.5	11098	5	21	620			
225		226.00	<0.1	4.3	13683	8	11	189			
226		234.00	<0.1	1.5	4115	11	10	61			
227		242.00	<0.1	1.7	4132	9	6	151			
228		250.00	<0.1	1.8	5835	8	49	357			
229		258.00	-	-	3185	7	45	307			
230		266.00	<0.1	2.5	5385	9	18	74			
231	MJC- 1	10.00	<0.1	1.7	10458	12	10	8			
232		15.00	-	-	3586	14	11	78			
233		18.00	<0.1	1.5	5286	19	40	169			
234		22.00	<0.1	4.9	11415	18	69	48			
235		26.00	-	-	3886	16	84	45			

No	Sample 供試品		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm			
236	MJC- 1	28.00	-	-	1665	14	24	22			
237		30.00	<0.1	2.0	8273	12	37	1036			
238		32.00	<0.1	2.1	6235	13	33	27			
239		34.00	<0.1	1.3	4303	18	36	29			
240		36.00	<0.1	1.6	5778	13	30	37			
241		38.00	<0.1	5.3	10145	9	30	307			
242		40.00	<0.1	5.9	10341	15	32	1239			
243		42.00	<0.1	2.3	4838	15	18	434			
244		44.00	-	-	3627	11	25	206			
245		46.00	-	-	1620	10	28	223			
246		48.00	<0.1	7.5	14580	9	18	150			
247		50.00	-	-	3788	14	15	212			
248		52.00	-	-	3067	11	22	14			
249		54.00	-	-	3856	12	22	82			
250		56.00	<0.1	1.7	9626	14	31	137			
251		58.00	-	-	2638	13	10	471			
252		61.00	-	-	1912	12	15	42			
253		62.00	-	-	1458	9	20	9			
254		66.00	-	-	626	12	21	46			
255		68.00	-	-	1027	14	30	388			
256		70.00	-	-	895	16	37	15			
257		72.00	-	-	1733	20	43	210			
258		74.00	-	-	358	15	13	16			
259		76.00	-	-	1141	15	24	10			
260		78.00	-	-	697	14	14	74			
261		80.00	-	-	1532	16	15	60			
262		83.00	<0.1	6.5	4593	19	19	68			
263		86.00	-	-	821	15	17	111			
264		90.00	-	-	434	15	17	25			
265		94.00	-	-	562	14	15	77			
266		98.00	-	-	775	18	24	58			
267		102.00	-	-	804	11	16	259			
268		106.00	-	-	1480	13	16	259			
269		110.00	-	-	1059	17	37	169			
270		114.00	-	-	1241	16	32	16			

No	Sample 供試品		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm			
271	MJC- 1	118.00	-	-	1895	14	26	23			
272		122.00	-	-	862	11	13	6			
273		126.00	-	-	1518	17	25	50			
274		130.00	-	-	846	13	12	33			
275		134.00	-	-	1781	11	14	66			
276		138.00	-	-	664	12	14	5			
277		142.00	-	-	1027	11	9	56			
278		146.00	-	-	485	26	21	950			
279		150.00	-	-	286	16	15	16			
280		154.00	-	-	406	17	24	31			
281		158.00	-	-	515	25	23	134			
282		162.00	-	-	355	25	19	1187			
283		166.00	-	-	222	28	23	119			
284		170.00	-	-	394	21	19	334			
285		174.00	-	-	333	18	20	42			
286		178.00	-	-	659	24	21	30			
287		182.00	-	-	445	7	9	877			
288		186.00	-	-	1084	15	9	47			
289		190.00	-	-	1126	15	9	206			
290		194.00	-	-	626	15	10	26			
291		200.00	-	-	313	11	9	8			
292	MJC- 2	10.00	-	-	1666	28	38	1430			
293		18.00	-	-	534	15	22	10			
294		26.00	-	-	628	11	28	3			
295		34.00	-	-	1121	10	31	64			
296		42.00	-	-	1653	19	375	21			
297		50.00	-	-	1479	10	28	<1			
298		58.00	-	-	1333	12	24	9			
299		66.00	-	-	2983	11	33	55			
300		74.00	-	-	2588	9	24	41			
301		82.00	<0.1	1.5	5374	11	28	1			
302		90.00	-	-	1456	10	23	<1			
303		98.00	-	-	2188	16	35	4			
304		106.00	-	-	2039	11	28	4			
305		114.00	-	-	1017	13	28	7			

No	Sample 供 試 品		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm			
306	MJC- 2	122.00	−	−	393	12	26	4			
307		130.00	−	−	1524	13	35	8			
308		138.00	−	−	1209	14	26	29			
309		146.00	−	−	966	13	26	<1			
310		154.00	−	−	292	12	31	<1			
311		162.00	−	−	1657	14	22	61			
312		170.00	−	−	345	12	34	20			
313		178.00	−	−	1215	11	38	11			
314		186.00	−	−	409	21	62	13			
315		194.00	<0.1	1.2	4971	16	31	9			

Appendix 5 Generalized drilling results

Appendix 5 Generalized drilling results

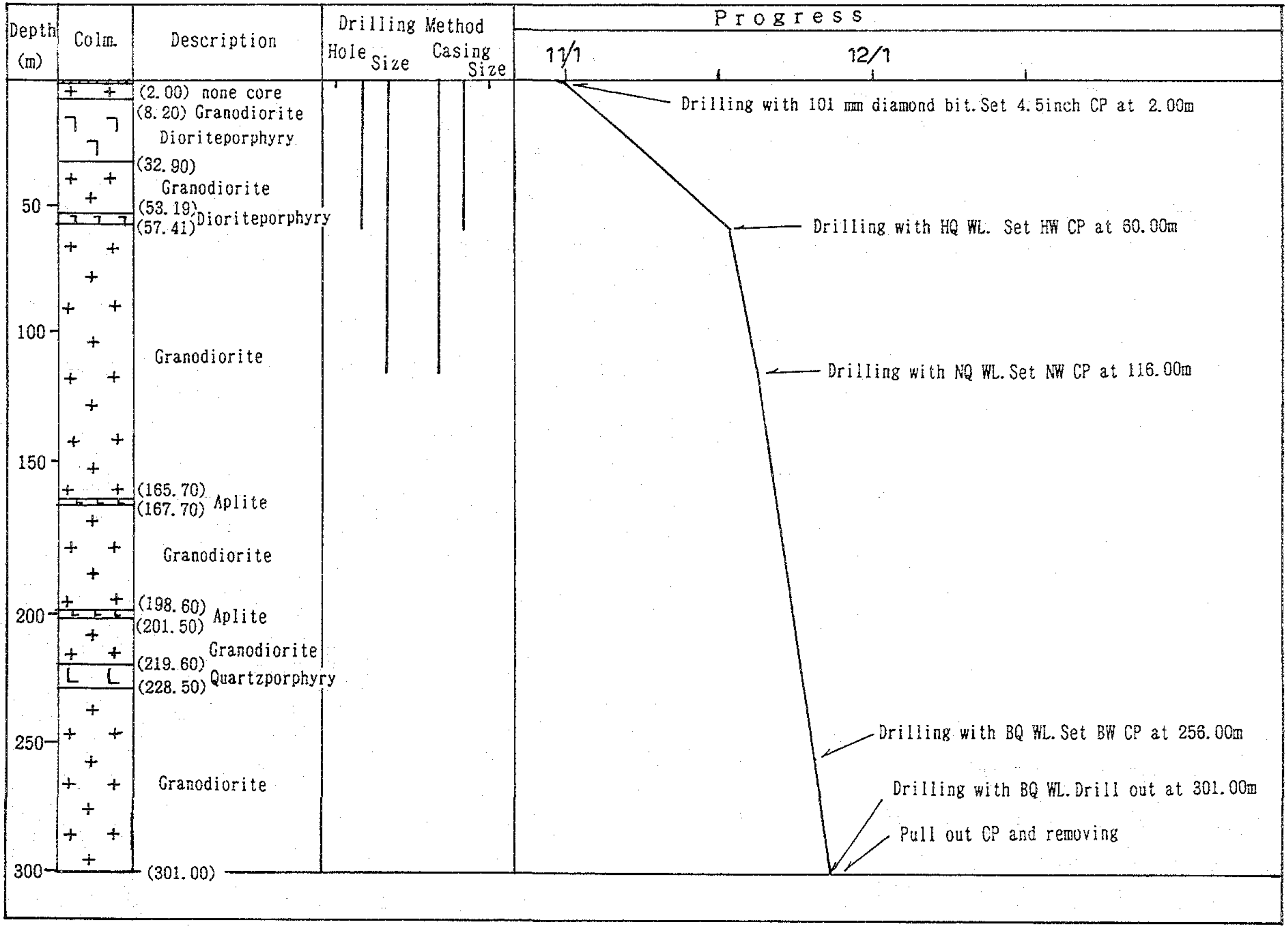
Drill Hole No.	Machine Type	Drillying Period	Drilling Depth	core		Drilling Shift			Drilling Speed	
				Length (m)	Recovery (%)	Drilling	Preparation & Removing	Total	m per Total shift	m per met shift
MJJ-10	L-38	1993-10-31 1993-11-26	301.30	299.30	99.34	28	98	126	2.39	10.76
MJJ-11	L-38	1993-10-31 1993-12-10	302.50	300.50	99.34	31	30	61	4.96	9.76
MJJ-12	L-38	1993-10- 3 1993-10-24	302.00	300.00	99.34	31	12	43	7.02	9.74
MJJ-13	L-38	1993- 8- 9 1993- 9-22	270.00	262.13	97.09	39	19	58	4.66	6.92
MJC-1	L-38	1993-10-31 1993-12-12	202.00	182.05	90.12	51	32	83	2.43	3.96
MJC-2	L-38	1993-12-30 1994- 1-20	201.50	199.50	99.00	16	25	41	4.91	12.59

Appendix 6 Progress record of holes
(MJJ-10 to MJJ-13 and MJC-1 to MJC-2)

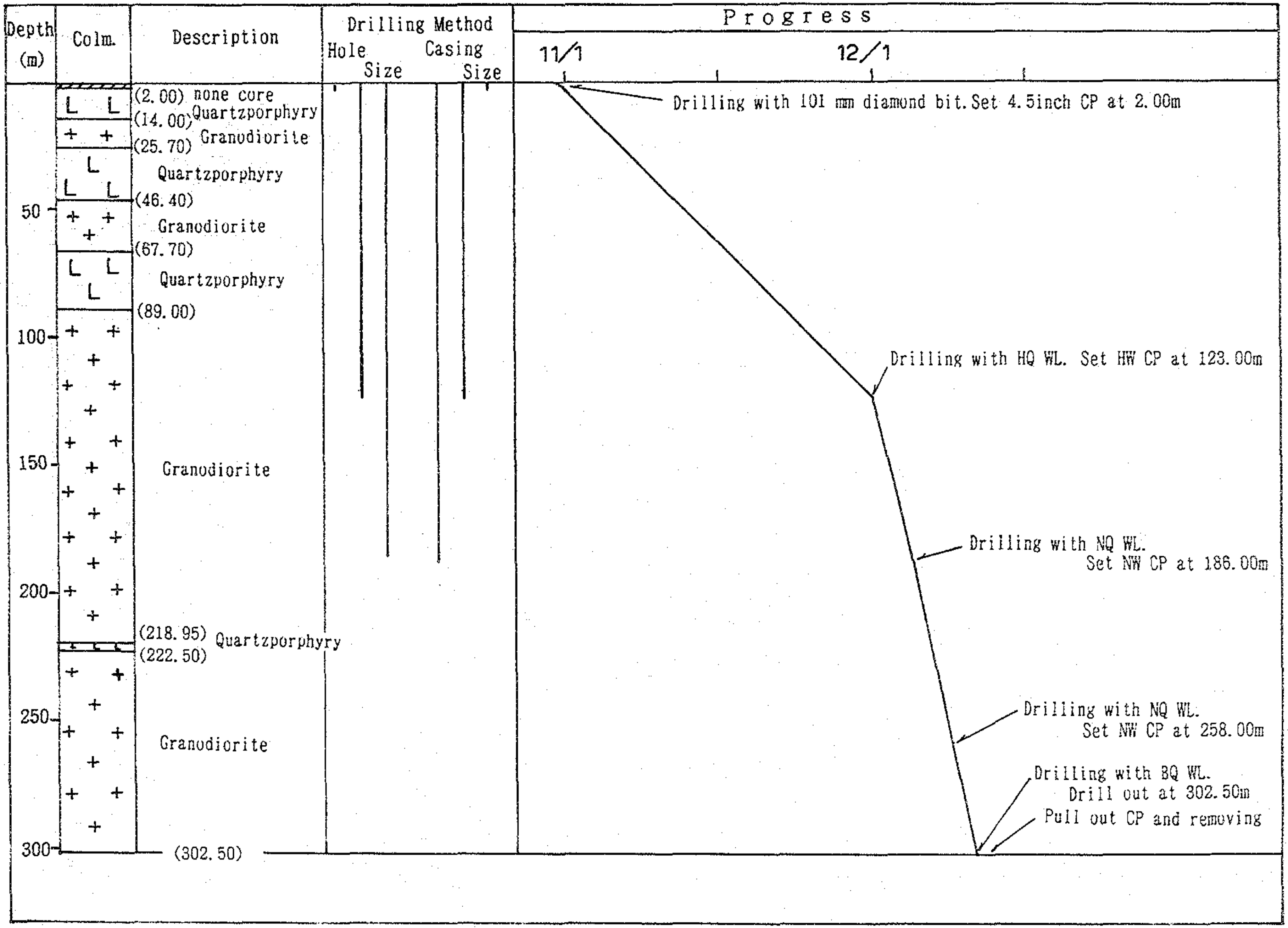
Appendix 6 Summary record of drilling activities

	Area	JUNIN Area				Cuellaje Area	
	D/D No.	MJJ-10	MJJ-11	MJJ-12	MJJ-13	MJC- 1	MJC- 2
Drilling period	Preparation(A) Day, (Men)	7/25 ~10/30 98, (516)	10/24 ~10/30 7, (84)	9/26~10/2 7, (84)	7/25~8/8 15, (264)	10/17~10/30 14, (168)	12/19~12/29 11, (156)
	Drilling(B) Days, (Men)	10/31 ~11/26 27, (226)	10/31 ~12/10 41, (356)	10/3 ~10/24 22, (240)	8/9 ~9/22 45, (504)	10/31~12/12 43, (422)	12/30~1/20 22, (204)
	Removing(C) Days, (Men)	11/27 1, (12)	12/11 ~12/25 15, (124)	10/25~10/27 3, (36)	9/23~9/25 3, (36)	12/13~12/25 13, (168)	1/21~1/22 2, (24)
	Total(D)	126, (744)	63, (564)	32, (360)	63, (804)	70, (758)	35, (384)
Depth	Depth planned(E)	300.00	300.00	300.00	300.00	200.00	200.00
	Depth drilled(F)	301.00	302.50	302.00	270.00	202.00	201.50
Core Recovery	Overburden(G)	2.00	2.00	2.00	4.00	2.00	2.00
	Core length(H)	299.00	300.50	300.00	262.13	182.05	199.50
	Recovery(H/F)	99.33	99.34	99.34	97.09	90.12	99.01
	Unit Recovery 0 ~ 50	96.00	96.00	96.00	92.00	81.00	96.00
	Unit Recovery 50 ~ 100	100.00	100.00	100.00	100.00	82.10	100.00
	Unit Recovery 100 ~ 150	100.00	100.00	100.00	100.00	100.00	100.00
	Unit Recovery 150 ~ 200	100.00	100.00	100.00	100.00	97.00	100.00
	Unit Recovery 200 ~ 250	100.00	100.00	100.00	100.00		
	Unit Recovery 250 ~ 300	100.00	100.00	100.00	80.65		
Casing	HW Casing	60.00	123.00	40.00	9.00	-	15.00
	NW Casing	116.00	186.00	112.00	85.00	9.14	51.00
	BW Casing	256.00	256.00	258.00	185.00	-	-
Drilling Efficiency	F/B m/Day	11.15	7.38	13.73	6.00	4.70	9.16
	F/D m/Day	2.39	4.80	9.44	4.29	2.89	5.16
	(B)/F Men/m	0.72	1.18	0.79	1.87	2.09	1.01
	(D)/F Men/m	2.47	1.87	1.19	2.98	3.75	1.91

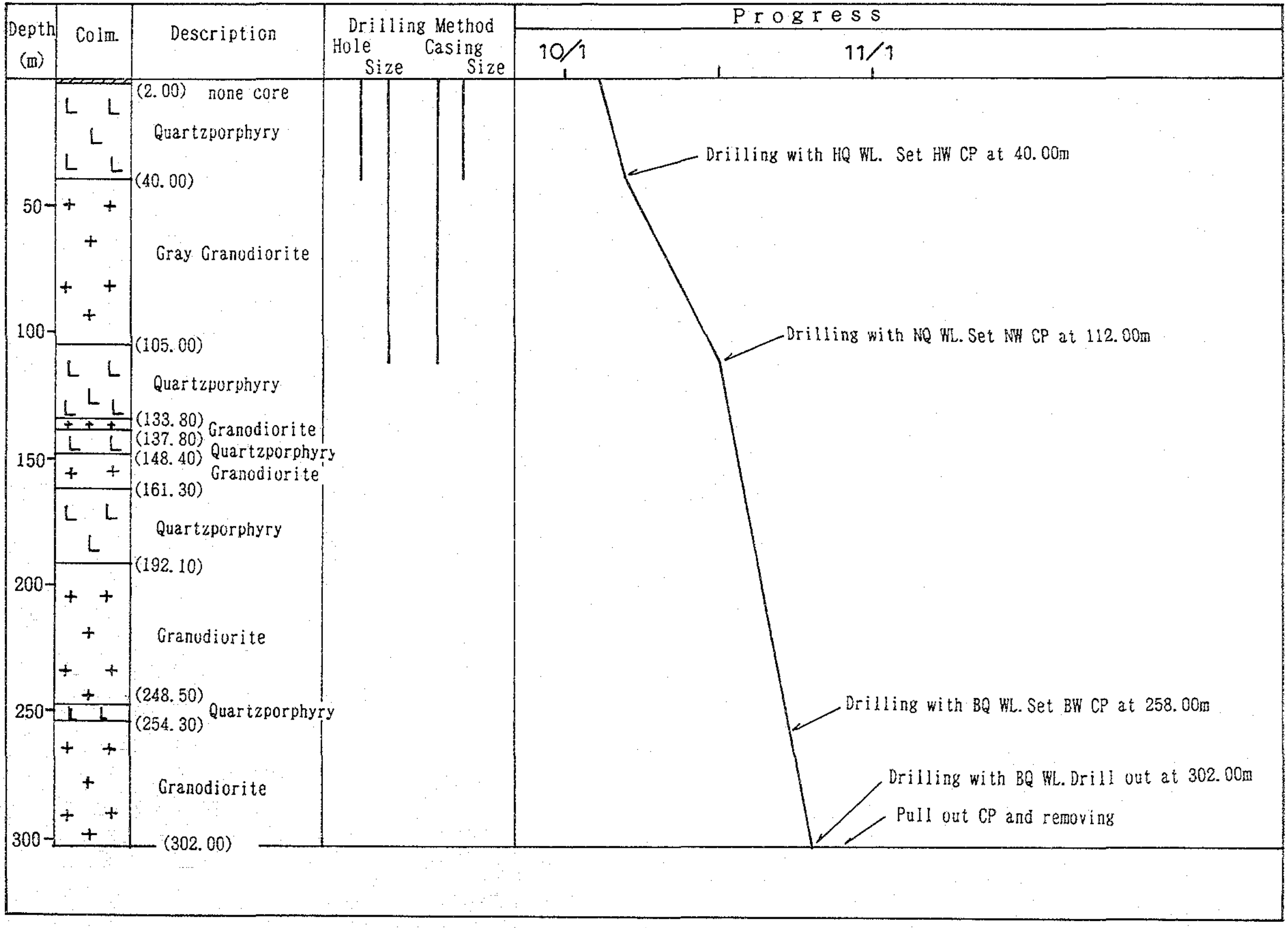
Appendix 7 Summary record of drilling activities
(MJJ-10 to MJJ-13 and MJC-1 to MJC-2)



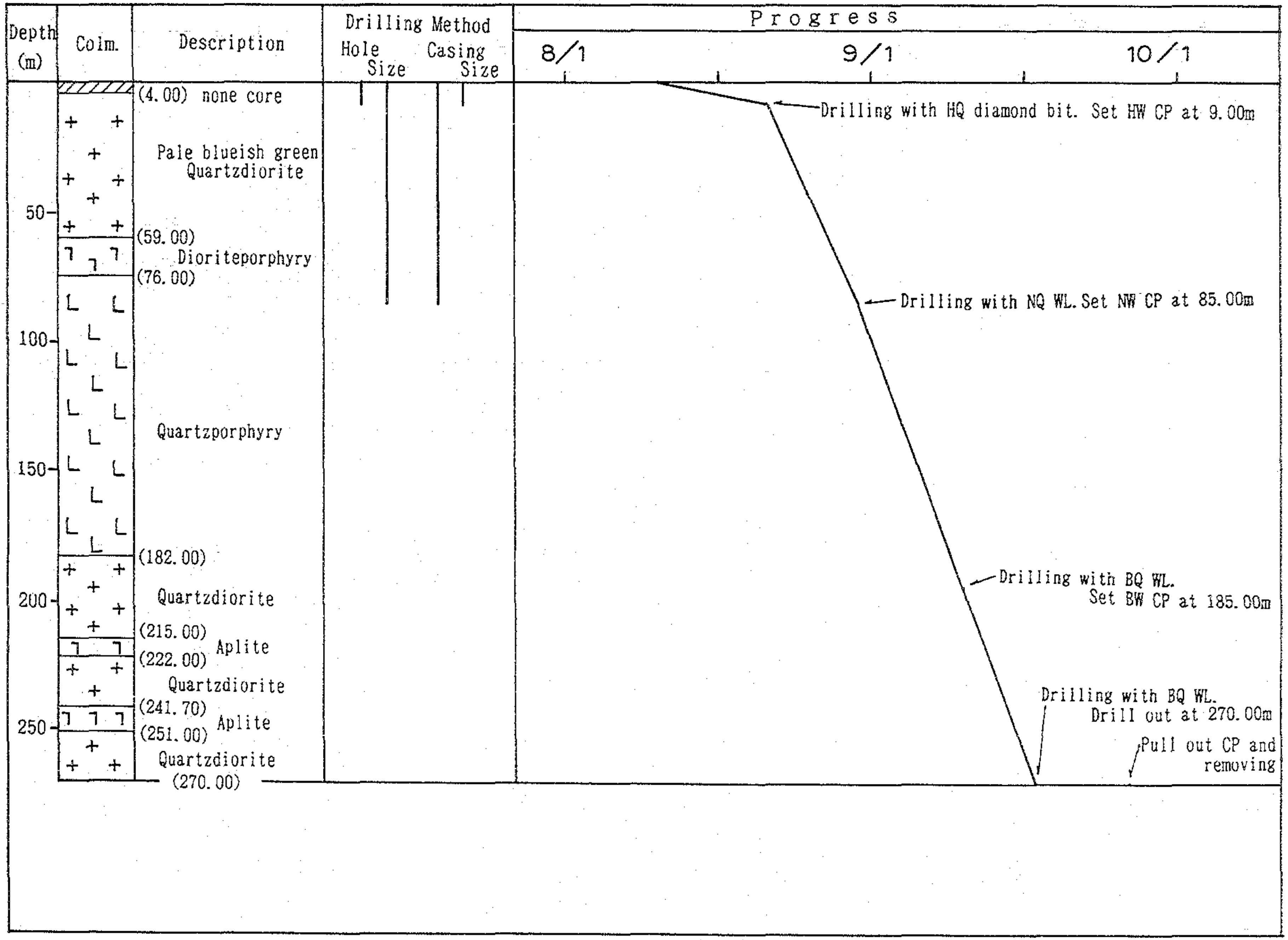
Appendix 7(1) Progress record of hole MJJ-10



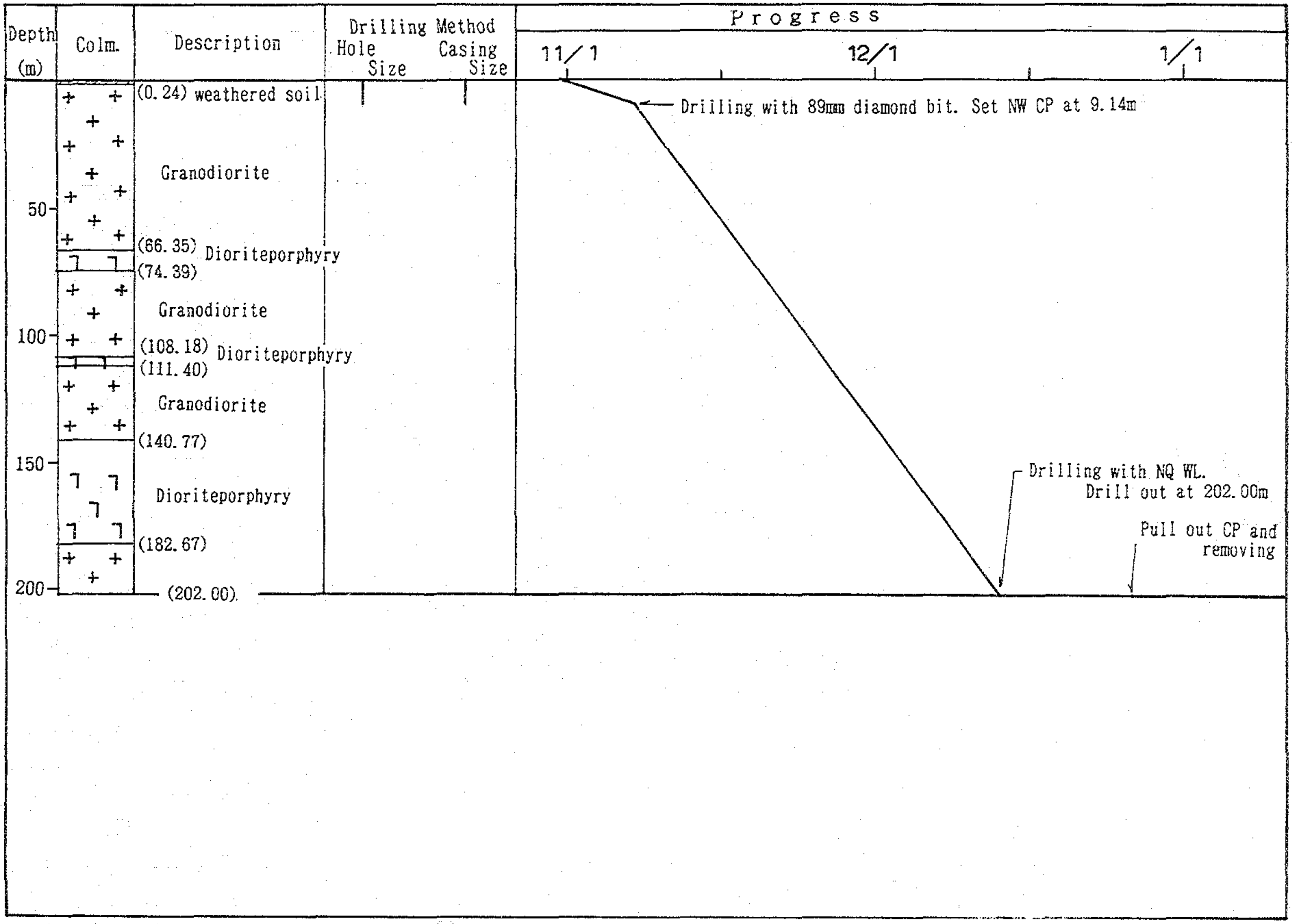
Appendix 7(2) Progress record of hole MJJ-11



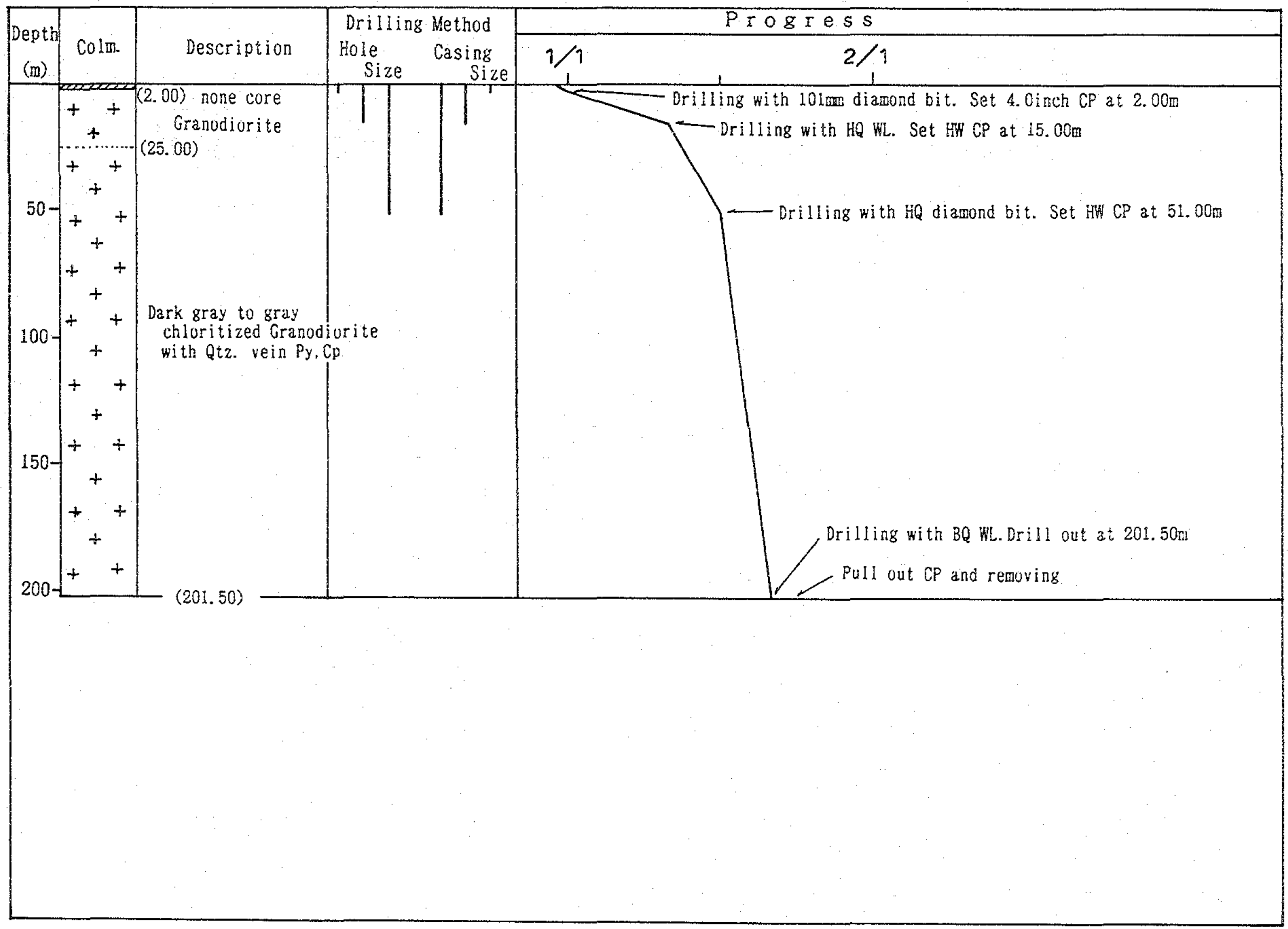
Appendix 7(3) Progress record of hole MJJ-12



Appendix 7(4) Progress record of hole MJJ-13



Appendix 7(5) Progress record of hole MJC-1



Appendix 7(6) Progress record of hole MJC-2

Appendix 8 Drilling equipments and consumed materials

Appendix 8　Drilling equipments and consumed material

A. Drilling equipment

Article	Model	Specification	Quantity
Drilling Machine	L-38	Maker:Longyear	1 set
		Capacity:BQ WL 725m	
		Dimensions:Height 1450mm	
		Length 2150mm	
		Width 1170mm	
		Weight(without Power Unit):1150Kg	
Diesel Engine	F-3L	Maker:三井ドイツ	1 set
		Horse Power:48HP/2200rpm	
Drilling Pump	535RQ	Maker:Longyear	1 set
		Piston Diameter 70mm	
		Stroke 70吋	
		MAX Capacity 140ℓ/min	
		MAX Pressure 56Kg/cm²	
		Weight(Without Power Unit):450Kg	
Diesel Engine	F-2L	Maker:YANMAR	1 set
		Horse Power:18HP/1800rpm	
Wireline Hoist	WLH-S	Maker:Longyear	1 set
		Hoisting Capacity 250m	
Diesel Engine	NS-40C	Maker:YANMAR	1 set
		Horse Power:5HP/2400rpm	
Mixer	Jet Type	Run by Drilling Pump	1 set
Drill Rod		NQWL (3.00m/joint)	89 joint
		BQWL (3.00m/joint)	150 joint
		HW (3.00m/joint)	25 joint
		NW (3.00m/joint)	35 joint
		BW (2.80m/joint)	98 joint

B. Materials consuned

AREA	Article / Hole No.	Light Oil Engine(l)	Cement 50Kg/Sx(Sx)	Bentonite 50Kg/Sx(Sx)	Remarks
JUNIN	MJJ-10	3,176	30	125	
	MJJ-11	4,022	50	120	
	MJJ-12	2,419	30	110	
	MJJ-13	4,536	100	140	
CUELLAJE	MJC- 1	3,846	55	105	
	MJC- 2	2,302	45	55	

C. Bit consumed

AREA	Bit Type / Hole No.	P Q (101m)			H Q			N Q			B Q		
		Drill Length	Bit	Reamer	Drill Length	Bit	Reamer	Drill Length	Bit	Reamer	Drill Length	Bit	Reamer
JUNIN	MJJ-10	2.00	1	0	116.00	7	1	140.00	6	2	45.30	2	1
	MJJ-11	2.00	1	0	123.00	10	6	133.00	9	5	46.50	3	1
	MJJ-12	-	0	0	112.50	6	3	154.00	7	3	34.30	3	2
	MJJ-13	-	0	0	70.00	4	2	111.60	6	4	88.40	9	4
CUELLAJE	MJC-1	-	0	0	9.14	1	1	202.00	11	3	0.00	0	0
	MJC-2	2.00	1	0	54.00	3	2	137.00	5	3	13.50	2	1