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APPENDICES

Appendix 1 Log of the Drill Hole "MJTA-1" (1/4)

MJTA−1 (1) Location : Zalturbulak area Altitude : 489.0m Direction : —— Angle : −90° Depth : 350m

DEPTH (m)	DEPTH AND CORE ANGLE (°) (m)	GEOLOGY	MINERALIZATION	ALTERATION AND MINERALIZATION (Py / Ore M. / Silicif / Argill)	POSITION OF EXAMINED CORE SAMPLES
0		Brown Soil			
	4.50	Blackish grey fine grained meta-sandstone with laminated structure	Limonite stain in fractures pyritization prominate zone A few pyrite stringer (W=1~2mm) by one meter ·10.90:py.stringer(∠90°, W=2mm) ·11.15-11.20:py +epi vein & epi+chl patch(Φ3cm) ·12.20-12.40:Fracure zone with white clay stain ·15.10:Bornite diss. ·12.20-12.40.Fracure zone with white clay stain ·15.20-15.60:Low angle frac. with py. stain ·15.70:py stringer with bornite diss. ·15.80-15.90:patch or banded epi. ·19.10:Bornite diss. vein		
10	∠70° ∠70° ∠70° ∠75°				
20	20.0	Blackish grey fine grained meta-sandstone. brecciated	Strongly silicified zone, py diss:1-3%		20.05P
	21.95	Blackish grey fine grained meta-sandstone with laminated structure	Medium intense of silicification & pyritization (py diss:1%) zone		21.75P
	25.30	Brecciated meta-sandstone	Intense silicified zone, ·26.60:py stringer with calco. diss		
	26.80	Blackish grey fine grained meta-sandstone with laminated structure(∠18°)	Medium intense of silicification ·28.60-28.90:Mag. diss ·29.70:py film with calco. & bornite diss.		27.8P
30	29.50 30.80	Meta-sandstone, brecciated	·30.60:Mag. patch		29.70T
	32.0 32.4	Blackish grey fine grained meta-sandstone with brecciated part, generally massive	Medium intense of silicification & pyritization zone A py. stringer in one meter interval ·36.6:py stringer(∠80°) with calco.(0.5%) ·36.80:py. stringer(∠80°) ·39.70:Quartzose part(w=3cm) with py. stringer(w=1mm, ∠70°) ·43.40:py & chl. vein with intense sil. around		
	34.6 34.80				
40					
	44.75	Black, fine to medium grained Hornblede diorite	Medium intense of silicification & pyritization zone .py diss.: 1-3% ·46.30:py with epi.		44.4X
	49.40	Light grey diorite porphyry	Intense of silicification & pyritization zone ·50.50-51.00:py diss.(>5%) ·52.70:py. stringer(∠70°) ·52.80:Mag & calco. diss (0.1%) ·56.90:py film with(∠70°) with calco. + epi.		46.7T
50		Intrusive contact(∠70°)	·57.75:2 py. stringer(∠70°)		50.0P 50.1T, 50.5P 50.8P
	57.70	Blackish grey fine grained meta-sandstone	Propylite zone ·59.50:py. stringer(∠70°)+epi pyritization prominate zone ·61.50: Densely py. diss		52.8P
60	61.65 ∠70°	Light grey diorite porphyry	Intense of silicification & ·62.30:Qz. vein(∠80°, W=3cm) ·62.40-62.60:py +epi +calco. vein (W=2mm) ·63.20-63.30:py vein with calco.		54.7X
		Gradual contact			
	66.50	Light grey fine grained diorite with tourmaline spots (Φ1-2mm, 2-4%)			62.0T
70		Gradual contact			65.0X
	72.0	Blackish light grey-greenish dark grey diorite porphyry with tourmaline spots (<2%)	Weak silicification zone ·74.60:Fissure with py(50%) & calco.(1%)		67.1P
	75.40	Gradual contact			69.0X
		Blackish light grey diorite porphyry with tourmaline spots(1-2%)	Medium intense silicification & pyritization		75.7P
80	79.0	Greenish balck diorite porphyry	Propylitic alt.+weal silicification ·81.70:Fissure(∠70°) with py(10%) & calco.(1%)		78.0T
	83.5	Fault contact(∠75°)			
		Blackish light grey diorite porphyry with tourmaline spots	Medium intense silicification & pyritization		
	86.0	Greenish dark grey diorite porphyry with tourmaline spots(1-5%)	·85.50:Fissure(∠70°) with py & calco.(0.1%) ·92.50-92.80:Fissure(∠75°) with py.+ calco.+calcie ·93.20:py. + calco. stringer ·95.0:Fissure(∠88°) with calcie+ chl. + hem + white caly ·99.6:Fissure with white caly		96.15X
90					
100					

ASSAY RESULTS

Sample No.	Depth (m)	Width (m)	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
4.5-A	4.5-8.0	3.5	0.04	<0.2	55.2	<2	24	2
8-AM	8-8.2	0.2	0.06	0.8	204	7	21.4	<1
8-A	8.0-11.0	3.0	0.02	0.4	43.3	<2	52.9	2
11A	11.0-14.0	3.0	0.02	<0.2	19.4	<2	27.4	2
15.1AM	15.1-15.3	0.2	0.01	0.6	35.7	5	10.8	2
14-A	14.0-17.0	3	0.02	<0.2	29.3	<2	21.7	2
17-A	17.0-20.0	3	0.02	<0.2	98.1	<2	24.2	<1
19.1AM	19.1-19.3	0.2	0.02	0.6	93.2	<2	26.3	<1
20.4-AM	20.4-20.6	0.2	0.02	0.6	115	4	8.3	2
20-A	20.0-21.95	1.95	0.02	<0.2	101	<2	20.7	2
22.35-AM	22.35-22.5	0.115	0.05	0.7	286	4	8.2	1
21.95-A	21.95-25	3.05	0.03	0.4	113	<2	23.5	1
25-A	25-26.8	1.8	0.04	0.3	118	18	17.4	<1
26.8-A	26.8-29.5	2.7	0.04	0.3	86	<2	22.2	3
29.5-A	29.5-30.8	1.3	0.03	<0.2	43.1	2	16.7	<1
30.5-AM	30.5-30.65	0.15	0.02	0.5	22.4	4	31.4	<1
30.8-A	30.8-34.0	3.2	0.03	<0.2	26.4	<2	24.8	<1
34-A 35.6-AM	35.6-35.8	0.2	0.05	<0.2	95.7	11	164	<1
34-A 36.6-AM	34.0-37.0	3	0.05	0.4	94.7	3	23.9	1
	36.6-36.7	0.1	0.03	0.6	95.3	3	27.3	<1
37-A	37.0-40.0	3	0.03	<0.2	33.1	<2	31.8	3
39.7-AM	39.7-40.0	0.3	0.04	1.1	142	5	28.9	3
40-A	40.0-43.0	3	0.03	<0.2	105	<2	31.4	2
43.4-AM	43.4-43.6	0.2	0.07	0.7	64.3	4	17.7	1
43-A	43.0-43.75	0.75	0.04	<0.2	45	<2	26	1
43.4-AM	44.4-44.6	0.2	0.02	1.1	102	5	24.8	4
43.5-AM	44.5-44.7	0.2	0.06	1.6	113	7	17.8	4
46.3-AM	46.3-46.5	0.2	<0.01	0.5	46.7	10	28.2	<1
43.75-A	43.75-48.0	4.25	0.02	0.3	35	<2	24	1
48 48.7-AM	48.7-49.0	0.2	0.11	0.9	137	7	25.3	2
48-A 50.2-AM	48.0-51.0	3	0.08	0.3	61	3	23.2	2
	50.7-50.85	0.15	0.05	0.9	98.2	8	19.5	3
51A 51.3-AM	51.3-51.5	0.2	0.03	0.8	36.9	8	21.6	3
52.2AM 52.8AM	51.0-53.0	2	0.11	<0.2	197	<2	19.6	3
52.8AM	Ref. Apx. 7							
	53.3-53.5	0.2	0.02	0.7	84.6	6	27.6	2
53.3-AM	54.5-54.7	0.2	0.02	0.6	42.3	14	21.9	2
54.5AM 54.7AM	54.7-54.9	0.2	0.03	0.4	23.1	28	22.9	3
53-A	53.0-56.0	3	0.02	0.2	51.6	4	21.7	3
56.9-AM	56.9-57.1	0.2	0.02	0.6	109	9	20.7	2
56-A	56.0-57.5	1.5	0.02	<0.2	44.8	<2	17.5	2
57.75-AM	57.75-59.0	0.15	0.04	0.9	131	4	25.2	<1
57.5-A	57.5-60.0	2.5	0.03	<0.2	44.3	<2	24.2	<1
60-A	60.0-61.95	1.95	0.05	0.6	36.2	2	20.5	<1
61.7-AM	61.7-61.9	0.2	0.08	1	124	7	29.2	1
62.3-AM	62.3-62.6	0.3	0.05	0.8	110	10	25.1	3
63.2-AM	63.2-63.5	0.2	<0.01	0.6	22.1	7	19.7	2
61.95-A	61.95-65.0	3.05	0.02	<0.2	44.6	5	22.6	3
65-A	65.0-66.5	1.5	<0.01	<0.2	26.3	<2	35.8	2
66.5-A	66.5-69.0	2.5	0.07	0.4	56.8	<2	30.2	2
69.3-AM	69.3-69.5	0.3	0.22	0.6	17.8	9	19.9	4
70-AM	70-70.2	0.2	0.16	0.7	27.6	14	28.4	3
69-A	69.0-72.0	3	0.08	<0.2	98.8	3	33	6
72-A	72.0-75.4	3.4	0.02	0.2	58.4	5	28.5	4
74.6-AM	74.6-74.8	0.2	0.09	0.6	382	11	35.4	5
75.4-A	75.4-78	2.6	0.02	<0.2	32.3	4	23.3	3
78-A	78.0-79.0	1	0.03	<0.2	69.1	<2	27	4
79-A	79.0-82.0	3	0.02	0.2	34.1	3	22.5	3
81.AM	81-81.2	0.2	0.02	0.7	41.7	5	17.7	<1
82-A	82.0-83.5	1.5	<0.01	<0.2	12.3	<2	17.4	2
83.5-A	83.5-86.0	2.5	0.02	<0.2	13.2	3	21.9	3
85.5-AM	85.5-85.7	0.2	0.01	0.4	32.9	5	21.3	2
86-A	86.0-89.0	3	0.02	0.4	35.3	3	24.6	2
89-A	89.0-92.0	3	0.02	0.3	41.1	<2	25.7	3
93.2-AM	93.2-93.5	0.2	0.10	1	424	11	25.1	3
92-A	92.0-95.0	3	0.02	<0.2	36.3	3	23.3	2
95-A	95.0-98.0	3	0.03	<0.2	39.8	6	25	2
98.8-AM	98.8-99.0	0.2	0.04	0.5	14.1	11	22.5	3
98-A	98.0-100.5	2.5	0.04	0.3	33.1	7	30.3	4

CORE RECOVERY (%) 0 50 100

A−1−2

Appendix 1 Log of the Drill Hole "MJTA-1" (2/4)

MJTA-1 (2)

Location : Altitude : Direction : Angle : Depth :

SCALE (m)	GEOLOGIC COLUMN	DEPTH AND CORE ANGLE (°) (m)	DESCRIPTION: GEOLOGY	DESCRIPTION: MINERALIZATION	ALTERATION AND MINERALIZATION (Py / Ore M / Silicf / Argill)	POSITION OF EXAMINED CORE SAMPLES
100		100.50	Pinkish light grey brecciated diorite porphyry	pyritization zone ·100.50-100.60:Fissure(∠80°) with py (30%)+epi.+calco.(0.5%)		100.5-A
		101.80	Sheared zone (brecciated meta-sandstone)	chl.+epi.+ser. alteration zone		101.45P
		103.0	Black fine gd. meta-sandstone			
		104.0	Greenish light grey sheared zone	Chlorite zone		
		105.6	Blackish grey fine grained meta-sandstone with laminated	Weak silicification & pyritization zone zone cc. vein(low angle)zone		
110				·113.90:cc vein(∠70°,w=5mm) ·115.70:Fissure(∠85°) with py(20%) & calco.(1%) ·116.5:py. stringer(∠90°)		
				·119.8:py. stringer(w=4mm, ∠80°)		
120			Blackish grey-greenish dark grey fine grained meta-sandstone	Chlitization prominate zone weak silicification & pyritization Intense of silicification & pyritization ·122-128.70:py. stringer zone(2-3 veins/m)		
			Light grey diorite porphyry	·128.80:Cc. vein(∠80°)		
		128.90	Intrusive contact	Chl. stain in fissures		
130			Pinkish light grey aplite partly coarse grainded alaskite	·129.20:Quartzose part, py diss.(<0.01%) ·131.40:Ser.+chl. vein		
		131.85	Intrusive contact(∠30°)	Weak to medium intense of silicification & pyritization		
			Blackish grey fine grained meta-sandstone with laminated st.	·134.50:py. stringer zone(w=5mm, ∠70°)		
			·133.1-133.80:Tourmaline spots(5%)	·137.10:Fissure with cc (∠80°)		
140				·140.10:py. stringer (w=3mm)with		140.2P
				·142.90-143.30:Pinkish lt. grey intense silicification zone py. stringer zone(2-3 veins/m)		
				·143.5:py stringer (∠70°)with calco.diss		
				·148.2:py stringer (∠90°) ·149.1:py stringer (w=5cm) ·150.1:py stringer with epi ·151.1:py stringer (∠70°)		
150				·152.3:py stringer (w=0.5-1mm) ·153.1:py stringer (w=2mm ∠70°)with calco.diss ·155.0:Milky white qz vein(w=15cm, ∠70°)		150.8X
		155.0	Gradual contact			
			Blackish grey fine grained meta-sandstone with Tourmaline spots(1-5%)	Weak silicification & pyritization zone 167m		
160				·158.8:fissure with py. & calco.		164.0X
				Intense silicification & pyritization zone ·169.0-176.0:py. Stringers swarm ·169.3-169.5:Brecciated sil. Rock with calco.in fissure ·172.0-175.0:Intense pyritization zone with calco.in many fissures ·173.0:py stringer (w=1mm, ∠80°)with calco.diss(3%) ·173.0:py stringer network(∠80°)		
170						174.2P
180		179.8	Pinkish light grey aplite ·179.7-179.9:Quartzose part	Weak alteration & mineralization ·179.70:Cgd py diss. ·181.0:py stringer (∠80°)with chl ·183:Chl films(∠60°) ·185-190:Fissures with cc & white clay(∠20-30°) ·186.9:Qz vein(w=0.7mm) with py diss. or stringer ·188.3:py.film		180.0F 180.8P
						185.0X
		189.5	∠60°Intrusive contact			
190		190.5	Pale green fine grained diorite porphyry	Sericite+cc.+chl alteration zone		190.0X
		192.6	Greenish light grey sheared diorite porphyry with tourmaline spots	Cc(network)+ser. alteration zone		
			Greenish black meta-sandstone with laminated str.(horizontal) in all horizon	Carbonate alteration zone weak to lack zone of silicification & pyritization		
		196.2 196.4	·196.20-196.40:Pinkish white aplite ·198.90-201.7:Greenish grey-yellowish grey brecciated part	·193.6:py stringer (w=2mm, ∠80°) ·198.4:py stringer (w=2mm) ·198.9-201.7:Epi+cc.network		
200						

ASSAY RESULTS									CORE RECOVERY	SCALE
Sample No.	Depth (m)	Width (m)	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	0 50 100 (%)	(m)
100.5-AM	100.5-100.7	0.2	0.08	0.5	119	15	26.6	3		100
101.45-AM	101.45-101.55	0.1	0.09	0.8	127	8	31.6	2		
	100.5-101.8	1.3	0.07	0.4	75.7	6	31.4	3		
101.8-A	101.8-103	1.2	0.06	0.2	28.6	2	47.9	2		
103-A	103-104	1	0.03	<0.2	4.4	<2	32.7	<1		
104-A	104-105.6	1.6	0.04	0.7	22.8	<2	42	<1		
105.6-A	105.6-108	2.4	0.02	<0.2	6.7	<2	41.3	<1		
108-A	108-111	3	0.02	<0.2	22.5	<2	29.9	<1		110
111A	11-114	3	0.03	0.3	26.5	<2	41.4	<1		
115.AM	115-115.2	0.2	0.05	0.5	197	<2	33.9	<1		
114-A	114-117	3	0.04	<0.2	89.3	<2	34.3	3		
116.5-AM	116.5-116.7	0.2	0.08	1	250	11	27.6	10		
117-A	117-120	3	0.03	<0.2	35.1	<2	31.9	<1		
119.AM	119-119.2	0.2	0.09	1.3	291	3	32.2	1		
120-A	120-123	3	0.05	0.2	129	<2	30.2	2		120
124.7.AM	124.7-127.9	0.2	0.06	0.4	80.7	7	19.8	<1		
123-A	123-126	3	0.05	<0.2	100	6	39.3	3		
126-A	126-128	2	0.03	<0.2	172	8	53.9	1		
129.AM	129-129.3	0.3	<0.01	1.1	33.3	4	3.5	8		
128-A	128-131.85	3.85	0.02	0.3	84.3	5	11.9	5		130
131.85-A	131.85-135	3.15	0.05	0.4	165	<2	23	<1		
134.4.AM	134.4-134.6	0.2	0.10	0.9	357	5	28.8	2		
135-A	135-138	3	0.04	<0.2	19.9	<2	29.7	<1		
138-A	138-141	3	0.05	<0.2	72.5	<2	32.3	1		
140.AM	140-140.1	0.2	0.10	0.7	101	5	13.5	3		
140.1-AM	140.1-140.3	0.2	0.15	0.8	306	4	30.7	3		140
141A	141-144	3	0.06	<0.2	68.5	2	22.8	1		
143.9.AM	143.9-144.1	0.2	0.08	0.6	84.6	6	30.7	<1		
144-A	144-148	4	0.18	0.5	90.9	118	56.4	1		
148-A	148-151	3	0.14	1	127	1350	517	2		
150.3-AM	150.3-150.5	0.2	0.10	1.3	121	321	289	2		
150.8-AM	150.8-151	0.3	0.23	2.4	523	742	91.8	3		150
151A	151-154	3	0.13	0.6	154	51	53.5	1		
154-A	154-157	3	0.06	0.3	83.4	<2	24	<1		
157-A	157-160	3	<0.01	0.3	106	7	31.4	1		
158.8-AM	158.8-159	0.1	0.10	0.5	176	8	28.1	2		
160-A	160-163	3	0.03	<0.2	57.4	<2	34.8	<1		160
163-A	163-168	5	0.03	0.2	37.7	121	61.3	2		
168-A	168-169	1	0.09	0.3	106	13	63.2	1		
169.3-AM	169.3-169.5	0.2	0.43	1.8	640	7	38.9	2		
169-A	169-172	3	0.23	0.5	240	<2	33.5	1		
172.5-AM	172.5-174.7	0.2	0.07	0.3	36.5	10	7.3	6		
172-A	172-173	1	0.31	0.6	333	<2	25.1	3		
173-A	173-174	1	0.11	0.2	67.4	<2	26.9	4		
174-A	174-175	1	0.11	<0.2	82.9	<2	25.3	2		170
175-A	175-178	3	0.18	<0.2	185	<2	24.7	2		
178-AM	178-178.2	0.2	0.26	1	659	<2	27	4		
178-A	178-181	3	0.1	<0.2	216	4	16.7	4		
180.8-AM	180.8-190	0.2	0.02	0.6	11.4	14	8	6		
181A	181-184	3	0.02	<0.2	16.2	3	6.4	3		180
184-A	184-185	1	0.02	<0.2	18.6	3	6.5	3		
185-A	185-188	3	0.02	<0.2	88.9	<2	5.4	4		
188-A	188-189.5	1.5	0.05	0.5	43.4	<2	16.9	4		
190.AM	190-190.3	0.3	0.08	1	9.1	2	40.9	<1		
189.5-A	189.5-192.6	2.5	0.29	2.9	20.5	<2	35.9	4		190
192.6-A	192.6-195	2.4	0.42	2.1	56.1	8	94.2	<1		
195-A	195-198	3	0.33	1.9	38.2	56	115	3		
198-A	198-201	3	0.17	1	9.2	1590	81.8	3		200

Appendix 1 Log of the Drill Hole "MJTA-1" (3/4)

MJTA-1 (3)

Location : Altitude : Direction : Angle : Depth :

DEPTH AND CORE ANGLE (°)	(m)	GEOLOGY	MINERALIZATION	POSITION OF EXAMINED CORE SAMPLES
			・200.5-200.95: Qz vein(w=10mm) with intense epi.alt zone 3%)	201.9F
		・203.70-204.70:Pinkish white aplite	・203.9.:py stringer (w=2mm,∠80°)	
		・209.70-210.95:Fault breccia	・210.0.:py stringer (w=1mm,∠90°)	
			・214.4:Epi vein(w=1mm,∠90°)	
		219.95 Pinkish white aplite 220.25 Meta-sandstone	・218.9:Pr.stringer(w=2mm,∠90°)	
219.95		Greenish light grey dio.porphyry	Intense silicification zone	
220.25 220.8 221.2		Greenish black meta-sandstone Gradual	Intense silicification & zone	
223.5		Greenish grey fine grained diorite with tour.spots(10%)		
225.30		Black-greenish black meta-sandstone with tour.spots(<3%)	Weak alteration & mineralization zone ・226.9:Fissure with epi+py(10%)+calco.(0.5%)	
		Laminated str.(∠21-41°) in all horizon	Medium alteration & ・230.80-239.10:Chl.>py>cc. vein ・231.0:Fissure with chl.stain(∠90°) ・Chl+cc. Vein(∠80°)with	
			Weak alteration & mineralization zone ・236.6.:py stringer (∠90°)with ・238.5.:py stringer with calco.&	
			236.0-276.0m Weak alteration & mineralozation ・243.80 py stringer (w=1mm,∠70°) ・245.2-248: A few frac.with cc & chl stain in a meter	
			・248.3.py stringer (w=1.5mm∠70°) ・250.40:Fissure with chl.+cc.(∠80°)	
			・253.40:Fissure with chl.+cc.(∠80°)	
			・255.00:Fissure with chl.(∠80°)	
			・257.40:Fissure with py.(20%)+chl.+cc.	
			・258.8.:py stringer (∠45°)	
			・260.2:Epi band(∠45°)with py stain	
		・262.0-265.0:Distinct laminated tructure(∠30°) ・263.8-265.0:Distinct laminated tructure(∠30°)	・263.1:Epi band(w=3cm,∠20°) with py stain	262.0F
268.0				
		Gradual Black-blackish grey fine grained meta-sandstone with distinct laminated structure Gradual	・269.0:Chl.+cc.stain(∠70°) ・269.50-269.90.py stringer with calco ・273.1 py.stringer(w=1mm,∠90°) ・274.0:Fissure with Cc..+chl+py.(5%)	269.7P
		・283-284:Laminated str.(∠35°)	Vey weak alteration & mineralization zone ・277.2:Fissure with Cc..+chl ・281.2-282.5:+Py diss.(2-3%) ・283.0:Fissure with chl.(w=1mm,∠75°) ・284.5-284.9:Cc. Veinlets(∠30°)	
		・290-300: High angle fissures with cc+chl	Chloritization & carbonitzation zone ・287.0.py stringer (w=1mm,∠70°) ・287.7-288.0.py stringer (w=max;3mm) with silicification ・293.0:Fissure with cc.(∠85°) ・294.4.:Epi band(w=3cm) ・296-296.3:Fissure with py(30%)+chlco. ・296.5:Fissure with cc.+chl(∠70°)	294.4X

Sample No.	Depth (m)	Width (m)	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
201A	201-204	3	0.02	0.5	141	8	59.7	2
203-AM	203-203.2	0.2	0.04	0.9	17.2	7	23	2
204-A	204-207	3	0.02	0.5	79.1	<2	26.7	2
207-A	207-210	3	0.01	0.2	22.8	<2	37.1	<1
210-AM	210-210.2	0.2	0.05	0.7	152	6	23.5	<1
210-A	210-213	3	0.01	<0.2	32.5	<2	32.4	<1
213-A	213-216	3	0.01	0.5	26.9	2	33.8	<1
216-A	216-219	3	0.02	<0.2	50.1	<2	25.8	1
219-A	219-219.95	0.95	0.01	<0.2	6.6	<2	33.3	<1
219.95-A	219.95-223	3.05	0.04	<0.2	49.5	10	44.3	1
223-A	223-225.3	2.3	0.25	0.4	183	<2	22.4	1
225.3-A	225.3-228	2.7	0.05	<0.2	53.5	<2	29.2	1
228-A	228-231	3	0.27	0.6	68.9	<2	26.2	32
231A	231-234	3	0.06	0.6	32.7	4	34.4	<1
233.5-AM	233.5-233.7	0.2	0.06	0.4	41.6	<2	31.3	<1
234-A	234-237	3	0.14	0.7	75.1	3	26.4	<1
236-AM	236-236.2	0.2	0.07	0.8	47.1	5	21.1	2
238.5-AM	238.5-238.7	0.2	0.15	1	95.4	3	24	22
237-A	237-240	3	0.04	0.5	39.5	<2	36.6	12
240-A	240-243	3	0.05	0.5	29.3	4	31.5	<1
242.3-AM	242.3-242.5	0.2	0.19	0.8	145	5	31.9	3
242.5-AM	242.5-242.7	0.2	0.09	0.6	45.1	5	18	2
243-A	243-243.9	0.9	0.05	1	26.1	6	48.2	<1
243.9-AM	243.9-244.1	0.2	0.09	1	40	10	57.8	<1
243.9-A	243.9-246	2.1	0.25	1.3	190	4	48.7	3
246-A	246-249	3	0.25	0.8	109	5	38.3	1
249-A	249-252	3	0.01	0.5	2.3	<2	47.4	<1
252-A	252-255	3	0.02	<0.2	27	<2	43.7	2
255-A	255-257	2	0.02	0.3	10	<2	42.8	2
257-A	257-260	3	0.10	0.9	94.8	6	31.2	2
260-A	260-263	3	0.07	0.7	22.9	<2	26.6	2
263-A	263-266	3	0.08	0.8	46.7	5	19	3
265.8-AM	265.8-266	0.2	0.25	1.2	204	7	19.1	7
266-A	266-269	3	0.05	0.4	20.8	<2	27.9	1
269.5-AM	269.5-269.7	0.2	0.14	0.6	143	6	9.2	5
269.8-AM	269.8-270	0.2	0.04	0.7	23.7	2	31.2	7
269-A	269-272	3	0.05	0.5	25.8	2	32.7	1
272-A	272-275	3	0.07	0.5	46.1	3	31.5	3
275-A	275-278	3	0.06	0.7	17.7	<2	35.9	3
278-A	278-281	3	0.08	0.4	25.1	<2	29.7	1
281A	281-283	2	0.09	0.5	48.9	<2	31.4	<1
283-A	283-286	3	0.08	0.6	25.7	2	36.3	3
287-AM	287-287.2	0.2	0.09	0.6	211	6	40.7	2
286-A	286-289	3	0.15	0.6	32.1	16	37	2
289-A	289-292	3	0.16	0.5	58.7	6	35.5	2
290.8-AM	290.8-291	0.3	0.38	1.7	254	10	82.5	5
292-A	292-295	3	0.04	0.6	16.6	4	66.1	<1
295-A	295-298	3	0.09	0.7	37.8	3	53.5	<1
298-A	298-301	3	0.14	0.8	36.1	3	51.8	1

Appendix 1 Log of the Drill Hole "MJTA-1" (4/4)

MJTA-1 (4)

Location : Altitude : Direction : Angle : Depth :

DEPTH AND CORE ANGLE (°) (m)	DESCRIPTION: GEOLOGY	DESCRIPTION: MINERALIZATION	ALTERATION AND MINERALIZATION (Py, Ore M., Silicif, Argill)	POSITION OF EXAMINED CORE SAMPLES
	sandstone with weak laminated str.	Chloritization zone ·301.4:Fissure with chl(∠80°)		
	·305-306.4:Greenish dark grey	·304-305:py.diss.>3% ·305-306:py.diss.3%-5% ·306.1-306.4:py.diss.3%		304.5X
	Intrusive contact(∠70°)			
306.4	Light grey diorite porphyry with tour. Spots(1-3%)	Intense silicification+pyritization+carbonitization zone ·py. diss.>5% ·Low angle cc vein ·Many high angle fissures		307.4P 309.6P 311.2X 313.0T
315.7	Fault contact			
	rock (Fault breccia)	Carbonitization zone		
	Greenish dark grey meta-sandstones (brecciated)			318.1P
	Black grey meta-sandstone with laminated str.	Weak alteration & mineralization zone ·321.2:Fissure with chl(∠60°) ·321.2:Fissure with chl.+cc. ·329.4:Fissure with cc(∠80°) ·331.5:Epi.+chl.vein(w=0.5cm,∠80°) ·336.3:Cc vein(∠80°) ·338.9:Epi band(w=1cm,∠10°) ·340.7:Epi band(w=2cm,∠20°)		

Sample No.	Depth (m)	Width (m)	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
301A	301-304	3	0.16	1	25.3	<2	78.8	<1
304-A	304-306.4	2.4	0.23	0.7	110	7	67.2	6
306.4M	306-306.2	0.2	0.19	1.6	73.3	3	123	1
307.4-AM	307.4-307.6	0.2	0.26	1.2	83.1	12	40.2	3
306.4-A	306.4-309	2.6	0.26	1.3	81.7	8	40.3	<1
309.25-AM	309.25-309.4	0.15	0.29	1.3	170	20	35.6	3
309-A	309-312	3	0.23	1.1	78.8	6	36.7	1
312-AM	312-312.2	0.2	0.11	0.8	42.9	11	67.2	2
314-AM	314-314.2	0.2	0.23	0.8	64.7	3	40.6	2
312-A	312-315.7	3.7	0.28	1.2	49.5	3	40.4	1
315.7-A	315.7-319	3.3	0.08	0.5	94	2	95.1	<1
318-AM	318-318.2	0.2	0.07	0.8	102	<2	69.2	4
319-A	319-322	3	0.04	0.4	40.7	4	75.9	<1
322-A	322-325	3	0.03	0.7	71.4	2	45.3	<1
325-A	325-328	3	0.11	0.5	183	<2	37.7	2
328-A	328-331	3	0.07	0.5	75.8	5	38.1	1
331AM	331-331.2	0.2	0.20	1.4	1700	30	55.8	7
331A	331-334	3	0.16	1.1	285	29	77.5	<1
334-A	334-337	3	0.05	0.6	34.6	<2	81.6	<1
337-A	337-340	3	0.02	0.5	6.9	4	58.4	<1
340-A	340-343	3	0.05	0.7	43.5	<2	51.4	1
343-A	343-346	3	0.06	0.8	20.5	<2	51.3	2
346-A	346-350	4	0.19	1.1	82.6	13	48.7	<1

CORE RECOVERY (%) 0 50 100

SCALE (m) 300 310 320 330 340 350

Appendix 2 Log of the Drill Hole "MJTA-2" (1/4)

MJTA-2(1) Location : Zalturbulak area (Central Zalturbulak zone) Altitude : 479.0 m Direction : —— Angle : −90° Depth : 350m

DEPTH AND CORE ANGLE (°) (m)	GEOLOGY	MINERALIZATION	POSITION OF EXAMINED CORE SAMPLES	Sample No.	Depth (m)	Width (m)	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
	Rock fragments											
7.2m∠80°vein	3.1m basic inclusion, porphyritic	4.5m, chl vein 0.5mm thick		2-A	2.0-5.0		0.14	1	135	72	124	4
4.5m∠ 20°vein		4.9～5.0m strongly chlorotized										
	6.5m basic inclusion, porphyritic	5.5m reddish brown limonite dissem		5-A	5.0-8.0	3	0.25	0.7	113	24	67.7	5
	pinkish white granodiorite	weakly chloritized										
	Ho, Bi, Qz, Kfl, pl. Basic inclusion including	10.3m epi+chl 1～2mm		8-A	8.0-11.0	3	0.02	0.4	57.1	4	22.3	13
10.3m∠ 5°												
12.50	12.5m Boundary unclear											
13.5～14.2m ∠85°Qz vein	12.5～17.0m green altered granodiorite	13.5～14.2m Qz vein∠85°1cm thick with py+chpy spot and dissem		11-A	11.0-14.0	3	0.04	0.4	85	4	24.7	4
15.5m∠ 80°Qz vein	∠85～80°Qz vein	chpy oxidatized marakite 13.6m	14.0X									
16.5～16.9m∠ 40～ 80°Qz vein	Qz vein with pyrite chalcopyrite? disseminated	15.0m py+chpy spot 2cm		14-AM	14.0-14.2	0.2	0.04	0.9	729	4	34.5	43
17.0		15.5m chl+Qz vein 1～2mm∠80°		14-A	14.0-17.0	3	0.04	0.8	131	7	37.8	3
	17m Boundary unclear	16.5～16.9m Qz+chl+epi vein∠40～										
	pinkish white granodiorite	weakly chloritized		17-A	17.0-20.0	3	0.02	0.3	236	4	26.6	24
	chl+Qz vein or veinlet, irregular ept	20～20.0m chl+Qz+epi vein∠87°1cm										
		21.9～23.9m∠80～90°chl+Qz vein∠ 90～80° 1～ 2mm thick	21.44T	20-A	20.0-23.0	3	0.01	0.5	63	3	26.1	10
23.5m∠ 50°vein				23-A	23.0-27.0	4	0.01	0.6	31.7	2	49.4	35
		25.5, 26.0m Qz vein 2～3mm thick										
26.7	26.7～29.7m weakly sheared pinkish white～dark greenish	26.7～27.5m irregular Qz vein with py dissem										
	irregular Qz vein veinlet including	28.1m irregular Qz vein py dissem.	28.0P	28-AM	28.0-28.2	0.2	0.21	0.7	955	<2	45.5	3
	29.3～29.7m dark green part ∠70°	py+chpy veinlet		27-A	27.0-30.0	3	0.10	0.5	59.6	4	43.6	5
29.7		28.9m Qz vein 5mm thick										
	31.3m basic inclusion	31.3 very fine grained py dissem.		30-A	30.0-33.0	3	0.02	0.8	521	<2	39.5	4
32.0m∠ 70°vein	32.5～33m pl weakly chloritized	32.0m Qz+py vein 1mm thick, 32.5m chl+Qz vein 1～2mm thick										
		33.5～34m Qz+chl vein 1 mm thick		33-A	33.0-36.0	3	0.01	0.7	45.3	3	32.2	3
35.5												
37.0	35.0～37.0m fine grain granodiorite greenish	35.5m py+chl vein 2～3mm thick∠ 80°, 36.5m py vein 2mm thick∠85°	36.0T									
	Kpl, Qz, pl, Ho, 36.7～37.0m leucocratic 90%<kfl	38.2m chl vein 0.5mm thick, 39.0m py vein 0.3mm thick		36-A	36.0-39.0	3	0.07	0.6	46.5	5	34.9	3
39.3m∠ 60°vein	pinkish white granodiorite	39.3m chl+Qz vein 1mm thick										
	greenish fine grain granodiorite porphyry 42.0～42.8m/42.7～42.8	39.8m chl+Qz vein 0.5mm thick		39-AM	39-39.2	0.2	0.02	0.5	25.5	2	33.7	4
	aortic vein pinkish white	40.3m chl+Qz vein 0.5mm thick										
42.0		41.0m chl+py vein 0.5mm thick		39-A	30.0-42.0	3	0.01	0.6	164	6	36.1	7
42.8	pinkish white～greenish pink granodiorite equigranular	41.3m py vein 1～2mm thick										
44.2		descontinuous										
		42.3m py vein 1～2mm thick		42-A	42.0-45.0	3	0.02	0.8	38.4	9	22.7	11
		43.0～43.9m Qz+chl veinlet network 0.5mm thick	45.0T,P									
46.1m∠85°vein	44.2～48.8:melanocratic granodiorite pink kfl rich >80% fine	44.2m py vein 1～2m thick ∠85°		45-AM	45-45.2	0.2	0.01	0.6	47.2	<2	25.7	6
		44.3～45.0m chl+py vein ∠85°										
		46.1m py+chl vein 1mm thick, 46.8m irregular epi vein 0.5mm thick		45-A	45.0-48.0	3	0.02	0.8	124	3	44.3	6
48.8		48.5m py+Qz vein										
	48.8～54.1m: pinkish white granodiorite	49.7m Qz vein∠80°2cm thick		49.5-AM	49.5-49.7	0.2	0.04	0.5	3.6	<2	31.7	1
		50.1～50.6m chl vein∠85°0.2mm thick		48-A	48.0-51.0	3	<0.01	0.8	75.1	5	36.5	5
	pinkish white～green	51.2m py dissem		51-A	51.0-54.0	3	0.08	0.3	51.3	3	28.8	18
		51.4m chl+py vein∠80°	52.55T									
54.3m∠ 70°Qz vein		52.5m chl+Qz vein∠70～90°		53-AM	53-53.2	0.2	0.06	0.6	114	9	37.4	3
		53.2～53.4m Qz+py+chl vein py dissem. 5mm thick	54.6P									
	55.9m10cm thick basic inclusion	54.1m Qz vein∠70°2～1cm thick		54.6-54.8	0.2	0.01	0.3	105	5	28.4	4	
		54.5m py+chl vein ∠80°5mm thick,		54-A	54.0-57.0	3	0.02	1.1	135	4	37.1	2
		55.1m chl vein 0.1mm thick∠70°										
		56.4m py+chpy dissem., 56.5m epi		57-A	57.0-60.0	3	0.17	0.6	147	4	31.5	3
	59.7m basic equigutannla, fine grain	57.1m py+chl+Qz vein∠70°, 58.5m chl+Qz vein∠87°, 58.8m chl+py vein∠ 80°2mm thick										
			61.6P									
61.6 ∠65～70°			62.0P,F	**60-A**	**60.0-61.6**	**0.6**	**0.01**	**1**	**476**	**18**	**47.5**	**3**
62.5			62.4F 62.5P	**61.6-A**	**61.6-62.5**	**0.9**	**18.9**	**76**	**65500**	**138**	**2010**	**<1**
	61.6～62.5m Qz+py+chpy vein fine thnk 30～40cm	61.6～62.5mpy+chpy >50%(2:1)Qz, margin of vein black smoky Qz. strongly chloritized zone		63-A	63.0-66.0	3	<0.01	0.9	30.1	8	34.7	5
	pinkish white granodiorite	63.0m Qz+chl vein 0.5mm thick ∠87°										
	68.0m basic inclusion 40m fine grain, equgranular	67.0m py+chl vein ∠50°1mm thick		66-A	66.0-69.0	3	0.01	0.8	29.8	5	18.6	4
	68.5m, 69.5～70m greenish altered	69.5～70m chl+epi alteration zone										
		71.4m py+chpy dissem. weakly chloritized		69-A	69.0-72.0	3	<0.01	0.5	35.5	13	21.6	2
	72.7～72.8m basic inclusion, fine grain, equigranular	72.8m py+dissem. fine grain, py megacrysl (1.5m)										
73.1	73.1～75.3m greenish grey granodiorite porphyry?	73.2mQz+py vein0.2mm think		72A	72.0-75.0	3	0.01	0.7	34.7	4	19.9	2
73.3m∠ 85°vein		73.5mQz+py vein 8mm thick										
75.3	pinkish white granodiorite	75.3m py+chl vein 3mm thick		75-A	75.0-78.0	3	<0.01	0.5	40.4	7	19.7	4
		76.0m py dissem.										
		77.4m Cal+Qz vein 4mm thick		78-A	78.0-81.0	3	<0.01	0.3	53	4	25.7	5
		77.9m Epi vein 0.2mm thick										
81.4m∠ 80～40°	81.5m basic inclusion 4cm fine grain, equgranular	79.1～79.5mchl+Qz vein 0.5mm thick py dissem reave		81-A	81.0-84.0	3	0.01	<0.2	23.7	7	24.2	2
		79.7m chl+Epi vein 0.5～2mm thick										
		80.2m Epi+py spot		84-A	84.0-85.0	1	0.33	0.8	52.8	20	15.4	5
		81.4m chl+Qz vein 0.2mm thick										
84.5		82.9mchl+py vein ∠80°1～2thick		85-A	85.0-86.0	1	0.15	1.3	298	94	127	3
	green granodiorite porphyry?	83.4m py dissem										
∠70°		83.9mchpy+py dissem	86.0P,F	86-A	86.0-87.0	1	1.92	1	470	33	56.1	7
87.50		84.5m py+dpy dissem	86.0F									
		84.9～85.6m chpy+py dissem	86.2P,X									
89.4m∠ 85°vein	Qz+py+chpy vein true thick 40cm rarery mori including	86.2m morobudenite spot	86.3F 86.7P									
		87.0～87.2m py dissem.		87-A	87.0-90.0	3	0.02	6.8	546	239	40.5	944
	pinkish white granodiorite	89.0m py+chl vein 2～3mm thick										
	equgranular, Bi, Ho, Kpl, pl, Qz, 3～	90.1m Qz vein 9mm thick		90-A	90.0-93.0	3	0.11	0.7	109	6	59.2	6
		90.5m py vein 1mm thick										
		90.7m py chpy dissem.		93-A	93.0-96.0	3	0.53	0.6	119	7	24.5	4
		92.5m py+chpy+epi vein 2mm thick										
96.3m∠ 85°vein		92.7m py+chpy vein 3mm thick										
		93.7m epi spot										
		94.3m py dissem. epi+chl										
		96.3m Qz+epi vein drusy epi 8～9mm		96-A	96.0-99.0	3	<0.01	18.6	2020	21	26.3	10
		98.0～98.2m chl+py vein ∠75～80°										

86-AM, 86.2-AM, 86.5-AM, 86.6-AM, 86.7-AM, 86.8-AM, 86.9-AM Ref. Apx. 7

Appendix 2 Log of the Drill Hole "MJTA-2" (2/4)

MJTA-2 (2)

Location : Direction : Angle : Depth :

SCALE (m)	GEOLOGIC COLUMN	DEPTH AND CORE ANGLE (°) (m)	DESCRIPTION: GEOLOGY	DESCRIPTION: MINERALIZATION	POSITION OF EXAMINED CORE SAMPLES
100				100.3mepi+chl vein 2~3mm thick 101.5m chl vein 0.2mm thick	
		101.4m~ 75° vein	103.0m basic inclusion lends 1cm	103.4m chl+Qz vein 1mm thick 104.2m chl+Qz vein 1mm thick 104.5m chl+epi vein 0.5mm thick	
			104.9m basic inclusion 30m	104.8mQz+epi+chl vein 5mm thick 105.1m py vein 0.5mm thick 105.8m chl+py vein 1mm thick	
		107.2 107.5	108m basic inclusion 30cm fine grain porphyritic	108.0m py+chl vein 0.5mm thick	
110				108.5m chpy+py+epi vein 5~8mm 109.9m Qz vein 5mm thick 111.0mchl+py vein 0.5mm thick 111.5m chl+epi+Qz vein 1~2mm thick 112.3mchl+py vein 1mm thick 113.0m epi dissem. 10cm 113.6m chl+Qz vein 1mm thick	
		116.3m~ 85° vein	116.0~116.3m green granidiorite porphyry? Propiritic graodiorite	116.2m smokey Qz vein 2cm thick	
			119.7m basic inclusion 4cm	118.8m chl+Qz vein 0.5mm thick	
120		120.2	green granodiorite porphyry dyke? propyritic granodiorite? epi+chl disseminated	120.8m Qz+chl+chpy+py vein 8~9mm thick, chpy dissem 121.6m Qz vein1cm thick with py 122.4m Qz+py vein 2mm thick 123.9m Cal+py+chpy vein 1.5cm thick	120.4P
		124.2m~ 80° vein		124.3m Qz+Cal vein 2cm thick 125.6mchl+py+chpy vein 0.5mm thick 127.5m Qz+py+chl vein 1.5cm thick 128.0m py dissem	127.4P
		129.4		128.1m chl+py vein 0.5mm thick 128.6m Qz vein 5mm thick	
130			pinkish white granodiorite equigranular, Bi, Ho, kfl, pl, Qz	129.6m Qz vein 5~7mm thick	
			133m basic inclusion 40cm fine grain porphyritic	131.9m chl+py+chpy vein 3~5m thick 133.9m chl vein 1mm thick	131.8P
		135.0m~ 85° vein	135.1m~135.6m basic inclusion fine grain, porphyritic	135.8~136.6m chl+Qz vein 1mm thick 137.0m chl+Qz vein 1~2mm thick 138.0m chl+Qz vein 1~2mm thick	
140		139.5m~ 70° vein	pinkish white granodiorite 4~5mm Bi, Ho, kfl, Pl, Qz, equigranular	139.5m chl vein 1mm thick 141.3m chl vein 0.5mm thick 141.6m chl+py vein 0.5mm thick 143.5m Qz vein 6~7mm thick	
		143.4	dark green granodiorite porphyry? or porphyritic granodiorite?	144.2m Qz spot 1cm with py 145.5m reddish Qz+py vein 2cm thick with chpy	145.7P
		145.5m~ 45° vein	porphyrite chl+epi	146.0m py dissem. 2cm thick	
		146.9	pinkish whitcish gray gnoddiorite, 4~5mm Bi, Ho, Kfi, Pl, Qz, equigranular	146.5m py dissem. 148.6~149.0m chl+Qz vein	
150		151.5m~ 60° vein	151.5m basic inclusion, fine grain, ho, Bi, rich equigranular	149.5m chl+py vein 1mm thick 150.6m Qz+chl vein 5~1mm thick 151.0mchl+Qz vein 1mm thick 151.7m Cal+Qz vein 1cm thick 153.0m py+chl vein 3~4mm thick with chpy	153.0P
			153.9m basic inclusion 10cm block fine grain, ho, kfi, pl equigranuar	155m chl vein 0.5mm thick 155.9m epi+tak? 0.3mm thick pin like, no colour, trance 156.5m Qz+epi+chl vein 6~8mm thick	
			158.6m basic inclusion 15cm block fine grain ho, kfi, pl equigranuar	157.8m chpy+py vein, 5mm thick 158.9m chl+epi vein 0.5mm thick	
160		162.3m~ 70° vein	162.6m basic inclusion 6cm block fine grain ho, bi, pl equigranuar	160.4m Qz+chl vein 2~3 thick 162.3m chl+epi vein 2mm thick	
				164.7m py+chl vein 3mm thick	
				166.7m Cal+Qz+epi vein 8mm thick	
170				169.0~170.0m chpy+py vein 5mm thick	169.7P
				171.0m py+chpy vein 4~5mm thick 171.5m Qz+chl vein 0.5mm thick	
			173.0m basic inclusion	172.6m epi spot 7~8mm	
		174.0m~ 90° vein	174.0m basic inclusion	174.6m chl vein 0.5mm thick	
			176.5 gradual charge of rock phasis	175.3m chl vein 1mm thick 176.6m epi+py spot 1.5cm	
			light gray granodiorite Ho, pl, kfl, Qz 5~6mm equigranular, fresh 178.8m basic inclusion black fine grain equigranuar	179.2m chl+epi vein 1mm thick	
180			180.8m basic inclusion 2cm block	180.5m chl vein 1mm thick 180.6~180.7m chl+epi Qz vein 8mm thick	
		182.3m~ 85° vein		182.3m Qz+chl vein 0.5mm thickvein	
			183.7m basic inclusion 10cm block fine grain, equigranuar Ho rich	182.5~183.3m Qz+chl vein 3~5mm 184.2~184.5m chl+Qz vein 5mm thick	
			185.7m basic inclusion 4cm block fine grain equigranuar py dissem	185.8m chpy+py+chl vein 1mm thick 186.2m chl vein 1mm thick	185.9P
				186.5~189.5m chl+chpy+py vein 2mm thick, 187.3m py+chpy dissem	
190			190.3m basic inclusion fine grain, porphyritic		
		191.9~192.2m ~85° vein		191.9~192.2m Qz+chl+chpy vein 1 cm thick, 195.0~195.2 chl vein 1mm thick	191.9P
				198.9~201.1m Qz+chl vein 1mm thick	
200					

Sample No.	Depth (m)	Width (m)	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
99-A	99.0-102	3	0.02	0.5	32.5	3	32	3
102-A	102-105	3	<0.01	0.4	32.7	6	25.8	5
105-A	105-108	3	0.01	0.3	20.8	2	25.4	2
108.5-AM	108.5-108.7	0.2	8.28	10.7	>30000	34	87.4	66
108-A	108-111	3	0.38	0.5	29.5	42	34.3	4
111-A	111-113	2	<0.01	0.8	2030	27	44.2	8
113-A	113-114	1	0.01	0.3	31	9	14.7	10
114-A	114-117	3	<0.01	0.8	44.9	3	44.4	4
117-A	117-120	3	<0.01	0.3	26.8	6	26.9	5
120.8-AM	120.8-121	0.2	1.97	1.9	5930	16	59.6	34
120-A	1120-123	3	7.08	2.6	4770	20	58	29
124.1-AM	124.1-124.3	0.2	7.01	3.2	8130	8	76.5	17
123-A	123-126	3	0.21	0.7	339	3	51.7	6
126-A	126-129	3	0.13	0.9	147	<2	48.4	4
127.4-AM	127.4-127.6	0.2	0.13	<0.2	122	10	41.2	61
129-A	129-132	3	0.01	<0.2	41.9	<2	38.3	3
131.8-AM	131.8-132	0.2	0.78	0.6	2930	<2	43.2	28
132-A	1132-135	3	0.18	<0.2	480	<2	26.3	8
135-A	135-138	3	0.26	<0.2	41	4	25.1	4
138-A	138-141	3	<0.01	<0.2	34.2	<2	23.5	5
141-A	141-144	3	0.01	<0.2	17.9	4	35.6	3
144-A	144-147	3	0.02	0.2	94.5	<2	52.4	3
145.7-AM	145.7-145.9	0.2	5.44	2.4	554	94	44.4	203
147-A	147-150	3	0.04	<0.2	68.2	<2	26	2
150-A	150-153	3	0.02	<0.2	65.7	<2	32	3
153-AM	153-153.2	0.2	0.96	<0.2	994	<2	22.9	107
153-A	153-156	3	0.32	<0.2	765	3	27.2	39
156-A	156-159	3	0.04	<0.2	54.8	<2	35.6	3
159-A	159-162	3	0.04	<0.2	88.9	<2	20.4	6
162-A	162-165	3	0.02	<0.2	32.3	2	28.5	5
165-A	165-168	3	0.16	<0.2	93.8	<2	20.4	8
168-A	168-169	1	0.27	<0.2	772	4	32.3	38
169.7-AM	169.7-167.9	0.2	2.42	3.7	10190	6	46.9	168
169-A	169-171	1	5.48	5	12200	16	50.8	224
171-A	171-174	2	0.02	0.4	110	3	20.3	7
174-A	174-177	3	0.01	0.6	36.8	6	19.3	4
177-A	177-180	3	<0.01	0.5	23.9	<2	17.5	5
180-A	180-183	3	<0.01	0.7	47	5	37.3	3
183-A	183-186	3	<0.01	0.7	102	2	31.5	2
185.9-AM	185.9-186.1	0.2	1.11	0.8	972	<2	29.6	8
186-A	186-187	1	1.07	1.2	3820	8	32.1	6
187-A	187-189	2	5.28	2.6	5570	12	36.1	6
189-A	189-192	3	2.61	1.2	1600	14	35.6	10
191.9-AM	191.9-192.1	0.2	0.01	0.6	49.1	4	44	<1
192-A	192-1195	3	0.04	0.4	156	2	37.4	1
195-A	195-198	3	<0.01	0.4	27.2	4	38.6	3
198-A	198-201	3	<0.01	0.4	28.2	6	22.9	2

Appendix 2 Log of the Drill Hole "MJTA-2" (3/4)

MJTA-2(3)

Location : Direction : Angle : Depth :

SCALE (m)	GEOLOGIC COLUMN	DEPTH AND CORE ANGLE (°) (m)	DESCRIPTION: GEOLOGY	DESCRIPTION: MINERALIZATION	POSITION OF EXAMINED CORE SAMPLES
200				201.5m chl vein 0.5mm thick 202.9~204.3m chl vein 1~3mm thick	
			202.8m basic inclusionvery fine grain equgranuar		
		205.8m/80°vein		205.8m chl+Qz vein 8mm thick	
			high gray granodiorite	208.8m chl vein 0.5mm thick	
210				210.3m chlorite vein 1mm thick 210.6~210.9m chl vein 0.5mm thick	
		211.5	gradual charge of rock phesis		
			high pink granodiorite 3~4mm Bi, Ho, kfl, Oz, equgranular 212.8~213.0m, greenish gray propirtie granidiorte	212.7m Qz+py+chl+vein 3mm thick 213.0~213.2m py+Qz vein 1~2mm 214.0m chl+epi spot 15m, 214.4m chl+epi vein 1mm thick	
		214.4m/ 0°vein			
			216.0m basic inclusion patch 2cm, fine grain equgranular	215.1m epi vein 1~2mm thick 217.4m py spot 9mm 217.9m epi+chl vein 1mm thick 218.5~219.0m chl vein 0.2mm thick	
		219.3m/ 5°vein		219.3m epi vein 2mm thick 219.5~220.2m chl vein 0.8mm thick	
220			221.1m basic inclusionn patch 2cm, fine grain, equgranular	220.4mchl vein 0.2mm thick 220.8m chl vein 0.5mm thick	
				222.8m Qz+chl+epi vein 2~8mm thick 223.4, 223.6m chl vein 0.5mm thick	
		225.5	225.8m gradual charge of rock phasis	224.0m chl vein 0.5mm thick	
			light gray granodiorite 3~5mm Bi, Ho, kfl, pl, Qz,	225.5m chl vein 1mm thick 227.3m py dissem.	
		227.7m/ 80°vein		227.7m chl vein 0.5mm thick	
			228.8 basic inclusion patch 1.5cm, fine grain, equgranular	228.0m chl vein 0.5mm thick 228.4m epi+Qz vein 5mm thick	
230				230.0m chl vein 2~3mm thick	
			232.1m basic inclusion patch, 3cm, fine grain, equgranular 233.5m basic inclusion patch 2cm	231.1m chl vein 0.5mm thick, 3 veins 231.5m chl vein 0.5mm thick 232.5m chl vein 0.5mm thick 233.0m chl vein 0.5mm thick	
			236.5m fine grain, dark inclusion 7cm patch, 0.5~1mm kfl, Ho, equgranular	236.0m epi spot 1cm	
		237.9m/ 5°vein	238.0m basic inclusion patch 3cm 239.0m basic inclusion patch 3cm	238.7~239.0m chl vein	
240				242.2m py dissem., 243.2m Qz vein8mm thick 3cm epi+chl dissem.	
		244.0	gradual charge of rock phasis		
		246.1~247.7m/ 0°vein	pinkish white grandiorite Bi, Ho, kfl, pl, Qz, 3~4mm, equgranular	244.5~245.7m chl vein 0.5~1mm thick 246.1~247.1mchl+Qz vein 1~7mm thick with very fine py or chpy? 248.0m py dissem., 248.5~249.5m chl+epi 2mm thick vein	247.0P
				258.5~251.0m chl+epi network veinlet, 250.7~251.0mpy dissem.	
250				251.5m chl+py vein0.5mm thick 252.2m chl+chpy vein 0.5mm thick 252.8m chl vein 0.5mm thick	
		254.5m/ 70°vein		254.5m chl+epi+Cal vein 1mm thick	
			255.2m dark inclusion patch 2cm Ho, kfl, equigranular	255.4m chl vein 0.5mm thick, 256.0m chl vein 0.5mm thick 256.7m py dissem., 257.5m, chl vein 0.5mm thick 257.5m chl vein 0.5mm thick	
			258.6m basic inclusion patch 4cm, fine grain, Ho epi+chl	258.5m chl vein 0.5mm thick	
260				259.3m chl vein 0.5mm thick 259.7m Qz+epi vein 8mm thick 260.8m chl vein 1mm thick	
		260.8m/ 80°vein		261.0m chl vein 0.5mm thick	
				264.2m chl vein 0.5mm thick	
			267.9m basic inclusion 5cm patch porphyritic	268.0m chl vein 0.5mm thick	
			268.5m chl vein 0.5mm thick 269.4m basic inclusion 3cm patch	269.0m chl vein 0.5mm thick	
270		269.7m/ 80°vein	270.0m basic inclusion 4cm patch	269.7m chl vein 0.5mm thick 270.7m Qz+epi vein 1.5mm thick 271.1m epi+Qz vein 7mm thick	
				271.4m chl vein 0.5mm thick	
		274.2m/ 70°vein		272.0m chl vein 0.5mm thick, 2 veins 272.8~273.3m chl vein 0.5mm thick 274.2m chl vein 0.5mm thick	
			276.0m basic inclusion 2cm patch	277.3m chl vein 0.5mm thick, 2 veins 278.0m chl+py vein 0.5mm thick 278.7m epi vein 1mm thick	
				280.4m chl vein 0.5mm thick	
280		280.5m/ 80°vein	279.8m basic inclusion 4cm patch	281.5~283.0m chl+Qz vein 2mm 283.0m Qz+chl+py vein 2cm thick	
			light pink granodiorite	284.5~285.5m chl+py vein 1~2cm 285.8m epi+Qz vein 8~9m thick	
		282.8		286.0m py+chpy dissem.	
		284.5~285.5m/ 70°vein	greenish green granodiorite porphyry? Or propiritic granodiorite	287.0m chl vein 0.5mm thick 287.2m chl vein 0.5mm thick	283.9P, X
				288.0m chl py vein 0.5mm thick	
		285.8	light pink granodiorite, kp+ rich, bi Ho, Pl, Qz, 3~4mm equigranular 286.8m, 287.0m basic inclusion 2cm patch	289.6m chl vein 0.5mm thick 290.2m chl vein 0.5mm thick 290.6m chl vein 0.5mm thick 291.0~291.6m chl vein 0.5mm thick	
290		290.2m/ 20°vein		292.0m chl rich core 5cm 292.2m chl vein 0.5mm thick 292.9m chl vein 0.5mm thick 293.7m chl vein 1mm thick	
		292.8		294.8m chl+py+chpy vein 0.5mm thick	
			293.8m basic inclusion 4cm patch porphritic	295.1m chl vein 0.2mm thick 295.6~295.9m Qz+chl vein 0.5~2mm thick, 4 veins 296.6m Qz vein 1mm thick	
		296.8m/ 80°vein		297.0~298.1m chl+Qz+chpy+py 1~2mm thick, 4 veins	
				298.6~299.4m chl+epi+py+chpy? vein 1~2mm thick 3 veins 299.8m chpy spot	
300			299.5m basic inclusion 1cm patch	299.9~300.0m Qz vein 1~2mm thick	

Sample No.	Depth (m)	Width (m)	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
~~200.5-AM~~	200.5-200.7	0.2	0.01	0.5	40.8	7	18.1	2
201-A	201-204	3	<0.01	0.7	29.8	6	21.2	4
204-A	204-207	3	0.01	0.6	53.4	4	31.7	4
207-A	207-210	3	0.01	<0.2	13.5	6	28.7	3
210-A	210-216	6	0.01	0.2	25.2	8	26.3	3
216-A	216-219	3	0.01	0.2	31.1	8	21.1	12
219-A	219-222	3	0.01	0.5	21.6	8	29.9	4
222-A	222-225	3	0.01	0.7	55.3	8	20.6	5
225-A	225-228	3	0.01	0.6	30.4	7	16.5	4
228-A	228-231	3	0.01	0.8	21.5	5	19.2	4
231-A	231-234	3	0.01	0.5	40.8	10	19.6	3
234-A	234-237	3	0.03	<0.2	45.9	2	15	4
237-A	237-240	3	<0.01	<0.2	18.7	<2	22.9	1
240-A	240-243	3	0.01	<0.2	21	<2	12.7	4
243-A	243-246	3	0.01	<0.2	27.6	3	13.1	2
247-AM	247-247.2	0.2	0.01	<0.2	24.2	<2	31	4
246-A	246-249	3	0.01	<0.2	16.9	<2	31.9	2
249-A	249-252	3	0.01	<0.2	5.9	<2	33.4	4
252-A	252-255	3	0.01	<0.2	57.1	<2	23.5	3
255-A	255-258	3	0.01	<0.2	16	3	18.3	3
258-A	258-261	3	0.01	<0.2	14.9	4	15.1	2
261-A	261-264	3	0.02	<0.2	19.3	6	43.4	<1
264-A	264-267	3	0.03	<0.2	11.6	4	12.7	2
267-A	267-270	3	0.01	<0.2	20.7	4	16.1	1
270-A	270-273	3	0.03	<0.2	35.4	3	25.1	3
273-A	273-276	3	0.04	<0.2	23.8	4	16.8	1
276-A	276-279	3	<0.01	<0.2	17.6	3	20	2
279-A	279-282	3	0.01	<0.2	10.4	4	18.6	3
282-A	282-283	3	0.07	<0.2	82.3	<2	39.9	6
283.9-AM	283.9-284.1	0.2	0.07	<0.2	50.5	8	80.1	8
283-A	283-285	3	0.04	<0.2	32.7	<2	54.2	12
285-A	285-288	3	0.01	<0.2	19.3	<2	47.4	5
288-A	288-291	3	0.01	<0.2	25.4	<2	22.9	8
291-A	291-294	3	0.02	<0.2	37.8	3	28.4	3
294-A	294-297	3	0.02	<0.2	120	<2	40.5	4
297-A	297-300	3	0.02	<0.2	103	<2	42.1	2
298.9-AM	298.9-299.1	0.2	0.02	<0.2	334	<2	44.6	3

CORE RECOVERY 0 50 100 (%)

Appendix 2 Log of the Drill Hole "MJTA-2" (4/4)

MJTA-2(4)

Location : Direction : Angle : Depth :

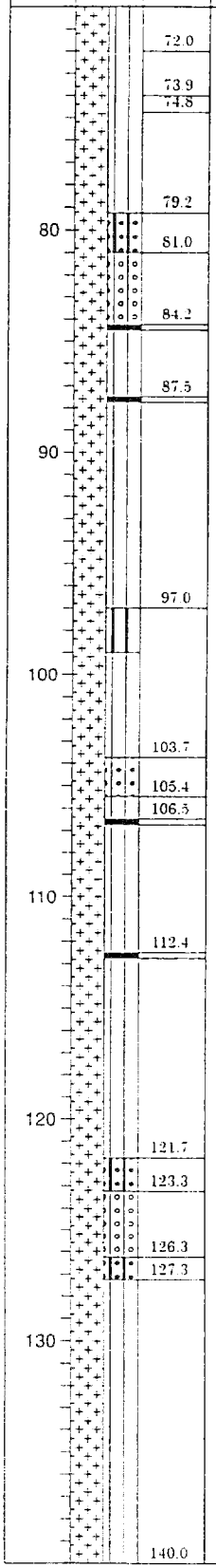
SCALE (m)	GEOLOGIC COLUMN	DEPTH AND CORE ANGLE (°) (m)	DESCRIPTION: GEOLOGY	DESCRIPTION: MINERALIZATION	POSITION OF EXAMINED CORE SAMPLES
300			fine grain, equigranular 301.0m basic inclusion 3cm patch 302.3m basic inclusion 5cm patch	301.7mchl vein 0.5mm thick 302.4m Qz+chl vein 1mm thick 303.6~304.1m chl+epi vein 1mm 304.5m epi+chl vein 2~3mm thick, 4 veins	
			304.7m basic inclusion patch 2cm fine grain, equigranular 307.2m basic inclusion patch 5cm	305.0~305.2m chl vein 0.5mm thick 2 veins 306.3m chl vein 0.2mm thick 307.6m chl vein 0.2mm thick 307.7m epi vein 0.2mm thick 309.4~310.1m chl+epi vein 1mm thick, 2 veins	304.5X
310				310.7m epi+Qz+chl vein 8~9mm 311.0m Qz vein 1mm thick, chl+epi 7cm dissem. 311.5m chl vein 0.5mm thick	
			313.2m basic inclusion 4cm patch fine grain, equigranular	312.2m epi+Qz vein 2~5mm thick 313.5m chl vein network with Qz spot, 1~5mm thick 313.7m chl+Qz vein network 1~2mm thick, 7 veins 314.4m chl vein 0.5mm thick 315.0~315.5m chl vein 0.5mm thick	
			319.9m basic inclusion 2cm patch	316.5~316.7m chl vein 0.5mm thick, 2 veins	
320		320.4 321.4	fine grain, equigranular greenish gray granodiorite porphyry? or porphyritic Granodiorite	317.0~317.5m chl vein 0.5mm thick 317.7m chl vein 0.5mm thick, 3 veins 318.3m chl vein 0.5mm thick	
		324.3	light pink granodiorite greenish gray granodiorite porphyry? or porphyritic granodiorite strongly chloritized	318.5m chl vein 0.5mm thick 318.9m Qz+chl vein 1~2mm thick 5cm epi+chl dissem. 319.5m chl+py vein 0.5mm thick,2 320.7~321.1m Qz+chl+py+chpy vein 3~5mm thick	
		326.5	light pink granodiorite	321.9m chl+py vein, 1~2mm thick 323.0m chl vein 0.5mm thick	
330			327.9m dark inclusion 4cm patch Ho rich part 330.2m basic inclusion 3cm patch porphyrite	323.6m py dissem, epi spot 324.3m chl vein 0.2mm thick 324.7~325.4m Qz+chl+py+chpy vein bundary unclear 1~1.5mm thick	330'T
			332.4m basic inclusion 4cm patch	326.4m chl vein 0.5mm thick 327.7m epi+Qz vein 1~2mm thick 328.3m chl vein 0.5mm thick	
			335.75~335.9m basic inclusion very fine grain porphyritic	329.2m chl vein 0.5mm thick 330.3m chl vein 0.2mm thick 331.6m chl vein 0.2mm thick 332.9m chl vein 0.2mm thick 333.6m chl vein 0.5mm thick 334.2m chl dissem. Zone 10 cm 334.8m Qz+chl vein 7mm thick chl+epi dissem. 7cm	
340			340.4m dark inclusion 3 cm patch	335.0m chl vein 0.5mm thick 335.8m chl vein 0.5mm thick 337.5m Qz+chl vein 2mm thick py dissem. 338.7m chl vein 0.5mm thick, with	
				341.8m chl vein 0.5mm thick 342.4m epi+chl vein 0.5mm thick 343.2m chl+py vein 0.5mm thick 344.5m chl vein 0.5mm thick 344.7~345.3m py vein 1~3mm thick 346.4m chl vein 0.2mm thick 347.3m chl vein 0.5mm thick, 2 veins 347.6m chl vein 0.5mm thick 348.5m chl vein 0.5mm thick, 2 veins 349.5m chl vein 0.5mm thick,3 veins	
350					

ASSAY RESULTS									CORE RECOVERY	SCALE
Sample No.	Depth (m)	Width (m)	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	0 50 100 (%)	(m)
300-A	300-303	3	0.01	<0.2	29.7	<2	26.2	1		300
303-A	303-306	3	<0.01	<0.2	16.1	<2	38.7	3		
306-A	306-309	3	0.01	<0.2	30.1	4	17.5	2		
309-A	309-312	3	<0.01	<0.2	13.4	12	38.8	2		310
312-A	312-315	3	<0.01	<0.2	14.1	<2	23.9	3		
315-A	315-318	3	0.03	<0.2	91	<2	32.7	3		
318-A	318-320	2	0.02	<0.2	83.8	<2	37.3	3		
320-A	320-321	1	0.80	7.5	102	231	62.9	52		320
320.8-AM	320.8-321	0.2	2.19	23.2	337	903	106	122		
321-A	321-324	3	0.02	<0.2	48.2	4	55.5	3		
324-A	324-325	1	0.03	<0.2	208	29	25.6	3		
324.9-AM	324.9-325.1	0.2	0.04	<0.2	638	59	35.8	2		
325-A	325-327	2	0.02	0.6	196	15	29.9	3		
327-A	327-330	3	0.01	<0.2	17.7	3	20.9	2		
330-A	330-333	3	0.02	<0.2	43.3	6	18.2	3		330
333-A	333-336	3	0.01	<0.2	39.1	3	32.4	3		
336-A	336-339	3	0.01	<0.2	41.4	<2	33.5	2		
339-A	339-342	3	0.02	<0.2	19.2	<2	18	3		340
342-A	342-345	3	<0.01	<0.2	14.8	3	32.5	3		
345-A	345-348	3	0.01	<0.2	22.7	12	22.8	4		
348-A	348-350	2	0.01	<0.2	28.5	4	19.2	5		350

Appendix 3 Log of the Drill Hole "MJTA-3" (1/4)

Scale (m)	Column	Depth (m)	Description	Sulfidation	Silicifica.	Argiliza.	Chloritiza.	Epidotiza.	Examined Sample	Assay interval	Assay results: Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
		6.2	**0.0-6.2m**: yellowish brown, surface soil	-	-	-	-	-								
		7.7	**6.2-7.7m**: boulders of diorite porphyry, dark gray colored, ϕ 5-10cm, strongly weathered	-	-	-	-	-								
			7.7-17.8m: brownish dark gray, weathered diorite porphyry, containing plagioclase phenocrysts (1-2mm) groundmass = plagioclase >> biotite > minor quartz biotite is replaced by chlorite fractures are filled with Fe-oxide minerals, with weak dissemination of Fe-oxides traces of disseminated pyrite are found	-	-	-	-	-								
				-	0	0	1	0		8.2 - 9.0	70	0.4	53.0	17.3	45.0	10.0
10				1	0	0	1	0								
				1	0	0	1	0		9.0 - 11.0	30	0.2	53.5	8.4	36.0	6.0
			17.8-32.0m: dark gray, diorite porphyry, with a lot of plagioclase phenocrysts phenocrysts : groundmass = 7 : 3 to 6 : 4 most of mafic minerals of groundmass are replaced by chlorite, minor epidote (veinlets & patches) are found with weak dissemination of pyrite, with minor veinlets of pyrite, total amount of pyrite = 1-2%	1	0	0	1	0								
				1	0	0	1	0		11.0 - 13.0	30	0.2	45.5	7.5	31.0	8.0
				1	0	0	1	0								
				1	0	0	1	0		13.0 - 15.0	20	0.5	132.5	9.1	31.0	11.0
				1	0	0	1	0								
			32.0-33.9m: weakly chloritized diorite porphyry, with pyrite dissemination, with pyrite veinlets, 20cm interval with epidote veinlets, with mionor veinlets of pink feldspar	1	0	0	1	0		15.0 - 17.0	70	0.3	98.5	9.0	39.0	20.0
		17.8		1	0	0	1	0								
				1	0	0	2	1		17.0 - 19.0	100	0.2	157.0	6.9	26.5	28.0
20				1	0	0	2	1								
			33.9-44.4m: dark gray, diorite porphyry, containing plagioclase phenocrysts (2-3mm, 60%) groundmass is weakly silicified, weakly chloritized, & weakly epidotized with pyrite dissemination, total amounts of pyrite = 1-3% 36.7m: quartz vein, ∠40deg., w=4cm 38.2m: pyrite + chalcopyrite stringer, ∠75deg., w=1mm 38.7m, 39.0m: quartz + pyrite + chlorite vein, ∠40-55deg., w=0.5-3cm 39.0-44.4m: quartz + pyrite veinlets, pyrite veinlets, pink calcite veinlets, epidote veinlets, ∠60-65deg., 10cm to 20cm interval	1	0	0	2	1		19.0 - 21.0	140	0.1	39.5	4.6	25.5	3.0
				1	0	0	2	1								
				1	0	0	2	1		21.0 - 23.0	60	<0.10	16.0	8.2	33.5	16.0
				1	0	0	2	1								
				1	0	0	2	1		23.0 - 25.0	30	0.1	9.5	10.8	44.0	9.0
				1	0	0	2	1								
				1	0	0	2	1		25.0 - 27.0	30	0.2	21.0	10.7	44.0	3.0
				1	0	0	2	1								
				1	0	0	2	1		27.0 - 29.0	30	0.2	22.5	12.8	51.5	7.0
30				1	0	0	2	1								
				2	0	0	2	1		29.0 - 31.0	40	0.2	86.0	7.1	39.0	11.0
		32.0	**44.4-45.6m**: strongly silicified rock, with weak cloritization, with weak epidotization total amounts of disseminated pyrite = 1%	2	0	0	2	1	3-32.5 PTX							
		33.9		3	0	0	3	1		31.0 - 33.0	30	0.6	60.0	8.6	36.5	26.0
			45.6-46.1m: weakly silicified & chloritized rock with pyrite network, with epidote veinlets (∠40deg., w=1-2mm), total amount of disseminated pyrite is less than 1%	3	0	0	3	1								
				3	2	1	2	1		33.0 - 35.0	30	<0.10	43.5	8.5	33.5	4.0
				1	2	1	2	1								
				1	2	1	2	1								
			46.1-50.0m: pink colored, mideum grained granite, K-feldspar (4mm) > plagioclase (3mm), quratz (3mm) >> hornblende (1mm), biotite (2-3mm) no alteration with weak dissemination of pyrite, total amount of disseminated pyrite = less than 1%	1	2	1	3	0		35.0 - 38.0	20	0.2	20.0	8.2	33.0	3.0
				1	2	1	3	0								
				3	2	1	2	0								
40				3	2	1	2	1	3-41.4 PT	38.0 - 41.0	40	0.2	178.5	7.9	34.0	23.0
				3	2	1	2	1								
			50.0-55.1m: pink colored, mideum grained granite, K-feldspar (4mm) > plagioclase (3mm), quratz (3mm) >> biotite (2-3mm), hornblende (3-4mm) weakly silicified & chloritized with weak dissemination of pyrite, total amount of disseminated pyrite = 0.5-2.0% 52.4m, 52.9m, 55.2-55.8m: chlorite veins, w=2cm-7cm, ∠40-60deg. 53.1m, 54.4m: pyrite + quartz veins, w=3cm-4cm, ∠45-55deg 52.0-55.1m: pyrite stringers, w=5mm, ∠60-70deg., 3-10cm interval	3	1	1	1	1								
		44.4		3	1	1	1	1		41.0 - 44.0	50	0.2	120.0	7.4	35.5	20.0
		45.6		1	1	1	2	1								
				1	2	1	2	1								
				1	0	1	0	0		44.0 - 47.0	30	<0.10	70.0	7.2	38.0	7.0
				1	0	0	0	0								
				1	0	0	0	0								
50		50.0		1	0	0	1	0		47.0 - 50.0	30	0.2	186.0	7.1	12.5	10.0
				1	0	0	1	0								
				1	0	0	1	0								
			55.1-57.0m: pink colored, mideum grained granite weakly epidotized & chloritized with weak dissemination of pyrite, total amount of disseminated pyrite = less than 1% 55.2-55.8m: chlorite veins, w=2cm-7cm, ∠40deg. 55.2-55.8m: quartz + pyrite veinlets, 5-3cm interval 56.4-57.0m: quartz stringers, w=3cm-4cm, ∠45-55deg	1	0	0	1	0		50.0 - 53.0	60	0.5	210.0	8.1	11.0	19.0
		55.1		1	0	0	1	0		53.0 - 54.0	60	0.3	180.0	7.7	10.0	48.0
				1	0	0	1	0		54.0 - 55.0	30	0.2	107.5	23.0	8.5	44.0
				1	0	0	1	1		55.0 - 56.0	40	0.2	95.5	6.9	9.0	9.0
		57.0		1	0	0	1	1								
		58.0		1	0	0	1	1								
			57.0-58.0m: pink colored, mideum grained granite no alteration with weak dissemination of pyrite, total amount of disseminated pyrite = less than 1% with pyrite stringers, 30cm interval, ∠40-70deg.	1	0	0	1	1		56.0 - 59.0	40	0.5	111.5	5.2	8.5	10.0
				1	0	0	1	1								
60				0	0	0	2	1								
				0	0	0	2	1		59.0 - 62.0	70	0.2	150.0	8.8	18.5	10.0
				0	0	0	1	1								
			58.0-68.0m: pink colored, hornblende - biotite granite, medium grained, some plagioclase are replaced by epidote, some mafic minerals are replaced by chlorite total amount of disseminated pyrite = 0.5-1% pyrite stringers, 5-30cm interval, ∠60-80deg. chlorite + (pyrite) veinlets, 10-50cm interval, ∠40-80deg. 59.85m, 60.45m, 61.85m, 66.0m, 67.2-68.5m: quartz + pyrite veins, 45-75deg., w=0.5-3.5cm	1	0	0	1	1								
				1	0	0	1	0		62.0 - 65.0	60	0.9	61.5	26.1	9.0	3.0
				1	0	0	1	0								
				1	0	0	1	0								
		68.0		1	0	0	2	1		65.0 - 68.0	20	0.2	413.0	8.6	13.0	3.0
				0	0	0	2	1								
				0	0	0	1	0								

Appendix 3 Log of the Drill Hole "MJTA-3" (2/4)



68.0-72.0m: hornblende - biotite granite, medium grained, some plagioclase are replaced by epidote, some mafic minerals are replaced by chlorite
total amount of disseminated pyrite = less than 1%
chlorite stringers, 10-50cm interval, ∠70-80deg.

72.0-73.9m: hornblende - biotite granite, medium grained, some plagioclase are replaced by epidote, some mafic minerals are replaced by chlorite
total amount of disseminated pyrite = 1% ±
pyrite stringers & chlorite stringers: 20-30cm interval, ∠60-90deg.
72.9m: quartz + pyrite vein, w=1.5cm, ∠40deg.

73.9-74.8m: black, fine grained andesite, xenolith?, with pyrite paches (φ 0.5-2cm), strongly chloritized

74.8-79.2m: weakly chloritized & epidotized granite
with quartz + pyrite veins, ∠40-50deg., w=1-3cm, 10-100cm interval
with chlorite & pyrite stringers, ∠70deg., 20-30cm interval

79.2-81.0m, 84.2-84.6m, 87.5-87.7m: strongly silicified rock, with pyrite dissemination (1-2%), with quartz + pyrite network
mafic minerals change to chlorite, original rock texture is destroyed

81.0-84.2m, 84.6m-87.5m, 87.7-97.0m: pink colored granite, with minor veinlets of chlorite + (pyrite), 20cm to 100cm interval

97.0-103.7m: pink to reddish brown colored granite, mafic minerals are replaced by chlorite, some plagioclase to epidote
with chlorite veinlets, 3-10cm interval, ∠40-60deg.,
with pyrite stringers & sparce network, total amount of pyrite = 0.5% to 1.0%

103.7-105.4m, 106.5-106.7m, 112.4-112.7m: strongly silicified rock, with quartz + pyrite veinlets (w=2-8mm), 3-5cm interval, ∠50-65deg., total amounts of pyrite = 2%

105.4-121.7m: fresh granite & weakly chloritized granite
108.2-108.7m: calcite veinlets, ∠90deg.
109.0m: quartz stringers, ∠90deg.
109.6m: chlorite + pyrite stringers, ∠60deg.
110-110.3m: pyrite stringers, 3cm interval
112.4m: quartz vein with pyrite, w=2cm, ∠60deg.
112.7-113.4m: pyrite stringers, 2-5cm interval
113.9-115.0m: quartz + pyrite stringer, ∠30-90deg., 3-5cm interval
114.5m: chlorite veinlets, ∠30deg., w=2mm
115.0-121.7m: pyrite stringers, 10-30cm interval
119.1m: quartz veinlets
119.2-119.4m: fine grained rhyolite, dyke, ∠50deg., w=13cm

121.7-123.3m: strongly silicified rock, with chlorite network, with pyrite dissemination, with pyrite network

123.3-126.3m: weakly silicified granite, with dense network of chlorite + pyrite + quartz, with striners of pyrite + quartz, with chlorite veinlets
124.9-125.2m: weakly silicified, strongly chloritized, epidotized granite

126.3-127.3m: strongly silicified granite, with dense network of chlorite, with pyrite dissemination, with quartz stringers (∠80deg.), with minor veinlets of epidote (∠30deg.)

127.3-140.0m: pink colored granite, with pink feldspar alteration bands, w=10-40cm, ∠10-25deg., 30-50cm interval
129.0-131.4m: pyrite stringers, 5cm interval
129.0-131.4m: chlorite + epidote veinlets after the formation of pyrite stringers, 10cm interval
131.4-131.6m: white, strongly silicified zone
132.0-135.0m: pyrite + quartz veinlets (w=2-3mm, ∠75deg., 20-30cm interval), chlorite veinlets (w=2mm, ∠30deg., 20-30cm interval), chlorite + quartz + pyrite veinlets (∠80deg., 5-30cm interval)
135.0-135.2m: strongly silicified zone
136.5-139.5m: chlorite + quartz + pyrite veinlets (∠50-70deg., 2-10cm interval)

137.8m: molybdenite in quartz + pyrite veinlets

Sulfidation	Silicifica.	Argiliza	Chloritiza	Epidotiza.	Examined Sample	Assay Interval	Assay results Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
0	0	0	2	1		68.0 - 71.0	120	0.1	30.0	7.4	14.5	3.0
0	0	0	1	1	3-72.9 T							
1	0	0	2	1								
1	0	0	2	1		71.0 - 74.0	30	0.2	148.5	9.7	17.0	7.0
2	0	0	2	0								
0	0	0	1	1								
0	0	0	1	1		74.0 - 77.0	30	0.3	429.0	6.4	48.5	3.0
0	0	0	2	1		77.0 - 78.0	40	0.2	46.0	13.2	17.3	<2.0
0	0	0	1	1		78.0 - 79.0	850	0.2	33.0	4.1	14.0	4.0
2	1	0	3	1		79.0 - 80.0	210	<0.10	516.0	5.7	10.0	<2.0
2	1	0	3	1		80.0 - 81.0	230	0.5	182.0	4.5	12.5	<2.0
0	1	0	2	1								
0	3	0	2	1								
0	0	0	2	1		81.0 - 84.0	430	0.2	83.0	2.9	13.5	<2.0
0	0	0	1	1								
0	0	0	1	1								
0	0	0	1	1		84.0 - 87.0	140	0.1	117.5	7.4	15.0	<2.0
0	0	0	1	1								
0	0	0	1	1								
0	0	0	1	1		87.0 - 90.0	60	0.1	115.0	5.1	10.0	<2.0
0	0	0	1	1								
0	0	0	1	1								
0	0	0	1	1		90.0 - 93.0	50	0.2	97.0	5.2	16.5	<2.0
0	0	0	1	1								
0	0	0	1	1								
0	0	0	1	1		93.0 - 96.0	70	0.2	66.0	4.1	19.0	28.0
0	0	0	1	1								
1	0	0	3	1								
0	0	0	3	1		96.0 - 99.0	40	0.1	39.5	3.5	17.5	<2.0
1	0	0	2	0								
1	0	0	2	0								
1	0	0	2	0		99.0 - 102.0	10	0.1	76.5	4.6	19.0	<2.0
1	0	0	1	1		102.0 - 103.0	30	0.2	257.0	6.1	20.0	<2.0
2	3	0	2	1		103.0 - 104.0	50	0.9	352.0	91.6	22.0	3.0
2	3	0	2	2		104.0 - 105.0	30	0.2	105.5	6.0	26.0	7.0
2	2	0	1	0								
1	1	0	1	0								
0	1	0	1	0		105.0 - 108.0	150	0.1	63.0	6.5	19.0	<2.0
0	0	0	0	0								
0	0	0	1	0								
0	1	0	0	0		108.0 - 111.0	20	0.2	99.5	7.0	22.5	<2.0
1	0	0	1	0	3-112.4 I							
2	2	0	0	0								
1	0	0	0	0		111.0 - 114.0	40	0.3	111.0	7.7	20.0	<2.0
1	0	0	2	1								
0	0	0	1	0								
0	0	0	1	0		114.0 - 117.0	30	0.2	99.5	7.4	20.0	<2.0
1	0	0	0	0								
0	0	0	1	0								
0	0	0	1	0		117.0 - 120.0	10	0.1	102.5	6.4	17.5	<2.0
0	0	0	1	0		120.0 - 121.0	20	0.2	29.0	6.3	15.5	<2.0
0	1	0	2	0	3-122.7 X	121.0 - 122.0	50	0.2	136.0	4.8	18.5	<2.0
2	3	0	3	2		122.0 - 123.0	90	0.4	517.5	5.0	22.0	11.0
1	2	0	3	2								
0	1	0	2	2								
0	0	0	2	2		123.0 - 126.0	70	0.4	545.0	4.8	21.5	<2.0
2	3	0	3	2								
1	1	0	2	2								
1	1	0	2	2		126.0 - 129.0	130	0.4	575.0	4.0	20.0	34.0
0	0	0	1	1								
0	0	0	1	1								
0	1	0	2	0		129.0 - 132.0	50	0.1	80.5	4.8	18.5	<2.0
0	0	0	1	1								
0	0	0	1	1								
0	1	0	2	1		132.0 - 135.0	40	0.1	98.5	0.7	21.0	<2.0
0	1	0	1	0								
0	0	0	2	0								
0	0	0	2	1		135.0 - 138.0	30	0.2	117.5	11.5	22.5	12.0
2	0	0	2	1								
0	0	0	1	1								

Appendix 3 Log of the Drill Hole "MJTA-3" (3/4)

Scale (m): 150, 160, 170, 180, 190, 200

Column / Depth (m): 152.3, 162.0, 165.0, 170.7, 173.6, 179.1, 180.0, 185.0, 190.0, 193.7, 200.3

Description

140.0-152.3m: light gray, biotite - hornblende granodiorite, plagioclase (2-4mm) > hornblende (2-4mm) > biotite (2-4mm) > K-feldspar (1mm) > quartz (1mm)
alteration is very weak
with minor veinlets of chlorite + (pyrite) +(quartz), 5-100cm interval, ∠45-80deg.
141.5m: aprite vein, cut by chlorite veinlets, w=6cm
141.5m: xenolith of diorite porphyry with pyrite dissemination (2-3%), φ 15cm
147.2m: chlorite + quartz vein, w=4cm, ∠45deg.
152.1m: chlorite + pyrite + quartz vein, w=3cm, ∠35deg.

152.3-162.0m: biotite - hornblende granodiorite, with weak chloritization & epidotization
with pink feldspar + epidote alteration bands, w=2-3cm, 10-50cm interval
152.3m: aprite dyke, w=7cm, ∠40deg.
153.0-158.8m: chlorite + (pyrite) + (quartz) veinlets, w=1-8mm, 2-10cm interval, ∠60-90deg.
158.8-159.0m: strongly chloritized shear zone, with dissemination of pyrite + chalcopyrite
160.3m: epidote vein

162.0-165.0m: silicified granodiorite, with chlorite + pyrite veinlets, 10-20cm interval, ∠50deg.
163.5-164.0m: chlorite network
164.0-164.2m: pink calcite network
164.8m: chalcopyrite in chlorite veinlets
162.6m, 164.0m: xenolith of hornfels

165.0-170.7m: weakly silicified & chloritized granodiorite
165.5m: pyrite stringer, ∠80deg.
167.5m: quartz + chlorite + pyrite veinlet, w=5mm, ∠50deg.
165.0-166.4m: xenolith of hornfels, φ 30-50cm
168.0-170.7m: chlorite stringers & pyrite stringers, & epidote veinlets, 30-40cm interval

170.7-173.6m: strongly silicified rock, with chlorite network, original rock texture is destroyed
170.7-171.0m: chlorite network
171.0-173.6m: dense network of chlorite + epidote + quratz

173.6-179.1m: chloritized & partly silicified granodiorite
174.4m: quartz + chlorite + pyrite + (chalcopyrite) vein, ∠50deg., w=1.5cm
174.0-178.0m: stringers of chlorite + epidote + (pyrite), 10-30cm interval
178.0-179.1m: stringers of chlorite, 10-50cm interval

179.1-180.0m: strongly silicified rock, with veinlets of chlorite + epidote, with minor veinlets of quartz (∠65deg.), original rock texture is destroyed
mafic minerals are replaced by chlorite

180.0-185.0m: weakly chloritised & epidotised granodiorite
180.0-182.7m: chlorite + pyrite stringers, 30cm interval, ∠60deg.
182.7-183.5m: weakly silicified zone with pink feldspar bands

185.0-190.0m: silicified & chloritized granodiorite, with network of quartz + chlorite
186.5-190.0: strong chloritization, green rock, with chlorite network & pyrite stringers

190.0-193.7m: weakly silicified & weakly chloritized granodiorite, with chlorite + pyrite stringers, 10-30cm interval, with pink feldspar bands, 50cm interval
190.4-190.6m: network of epidote + chlorite
190.6m: quartz + chlorite veinlet, w=8mm, ∠60deg.

193.7-200.3m: silicified & weakly chloritized granodiorite, with chlorite + pyrite stringers, 1-10cm interval
195.4m, 196.6-196.8m: chlorite + quartz + pyrite veins, w=5-7cm, ∠50-60deg.
193.7-195.7m, 196.5-197.0m, 199.6-200.3m: strongly silicified rock
199.6m: quartz veinlet, w=3mm, ∠60deg.

200.3-212.8m: weakly chloritized & weakly epidotized granodiorite
201.3m: epidote + quartz + chlorite vein, w=10cm
201.0-204.0m: pink feldspar + epidote alteration zones, w=1-5cm, ∠30-50deg., with anhydrite?
204.0-204.6m: rhyolite dyke with chlorite veinlets
204.6-209.5m: chlorite + pyrite stringers, w=5-10cm, ∠60-70deg.
208.0-209.0m: xenolith of hornblende diorite, φ 20cm

Alteration

Sulfidation	Silicifica.	Argilliza.	Chloritiza.	Epidotiza.
0	0	0	1	1
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	1	0
0	0	0	1	0
0	0	0	0	0
0	0	0	0	0
1	0	0	1	0
0	0	0	2	1
0	0	0	1	1
0	0	0	1	1
1	0	0	1	1
1	0	0	1	0
3	1	0	2	0
1	1	0	2	0
0	0	0	1	0
0	0	0	1	1
0	1	0	1	0
0	2	0	2	1
0	2	0	2	1
0	2	0	2	1
0	1	0	2	0
0	1	0	2	0
0	0	0	1	0
1	1	0	2	0
0	1	0	2	1
0	1	0	2	1
0	3	0	3	2
0	3	0	3	2
0	3	0	3	2
0	1	0	2	1
0	0	0	2	1
0	1	0	2	1
0	0	0	2	1
0	0	0	2	1
1	3	0	3	1
0	0	0	0	0
0	0	0	0	0
0	1	0	1	1
0	1	0	1	1
0	1	0	1	1
0	2	0	2	1
2	1	0	3	1
1	2	0	3	1
0	1	0	2	1
0	1	0	2	1
0	1	0	2	0
0	1	0	2	0
0	1	0	2	0
1	2	0	2	0
0	2	0	2	0
3	2	0	2	0
0	2	0	2	0
0	1	0	2	0
0	1	0	1	0
1	2	0	2	0
0	1	0	1	1
0	0	0	1	2
0	0	0	1	1
0	0	0	1	2
0	0	0	1	0
0	0	0	1	1
0	0	0	1	1
0	0	0	1	1
0	0	0	1	1
0	0	0	1	1

Examined Sample: 3-158.6 PT; 3-163.9 PTX; 3-164.8 P; 3-172.5 X; 3-174.4 P; 3-195.4 P; 3-201.2 T; 3-204.6 X

Assay results

Assay interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
138.0 - 141.0	20	0.2	152.5	12.9	25.0	<2.0
141.0 - 144.0	20	0.2	135.5	10.6	34.0	<2.0
144.0 - 147.0	30	0.4	415.0	16.1	33.5	<2.0
147.0 - 150.0	30	0.1	70.5	7.0	23.5	5.0
150.0 - 153.0	30	0.2	91.5	7.1	26.5	2.0
153.0 - 156.0	40	0.2	127.5	5.8	26.0	<2.0
156.0 - 159.0	70	0.3	355.0	8.9	28.5	<2.0
159.0 - 162.0	40	0.2	162.5	8.1	37.5	<2.0
162.0 - 165.0	50	0.2	201.0	7.0	48.0	<2.0
165.0 - 168.0	40	0.2	210.0	10.0	43.5	<2.0
168.0 - 171.0	40	0.2	177.0	6.2	24.0	<2.0
171.0 - 172.0	140	0.4	541.5	3.5	43.5	400.0
172.0 - 173.0	160	0.4	545.0	3.1	44.5	7.0
173.0 - 174.0	50	0.2	306.5	4.4	26.0	<2.0
174.0 - 177.0	110	0.7	523.5	7.0	29.5	39.0
177.0 - 180.0	50	0.2	349.0	6.8	35.5	<2.0
180.0 - 183.0	20	0.2	111.5	7.1	26.0	<2.0
183.0 - 186.0	10	0.2	141.5	7.5	40.5	<2.0
186.0 - 187.0	190	0.4	569.5	5.7	43.5	21.0
187.0 - 188.0	60	0.4	513.5	5.6	52.5	<2.0
188.0 - 189.0	20	0.2	198.5	6.8	20.0	9.0
189.0 - 192.0	30	0.3	339.0	12.4	47.0	<2.0
192.0 - 195.0	40	0.4	475.5	8.2	41.5	2.0
195.0 - 196.0	170	0.9	571.5	16.9	50.0	18.0
196.0 - 197.0	100	0.4	529.5	8.2	48.5	16.0
197.0 - 200.0	40	0.3	514.5	4.7	54.0	17.0
200.0 - 203.0	30	0.2	250.0	6.7	30.0	5.0
203.0 - 206.0	20	<0.10	240.0	9.8	47.0	7.0
206.0 - 209.0	50	0.1	507.5	6.4	33.5	10.0

Appendix 3 Log of the Drill Hole "MJTA-3" (4/4)

Scale (m): 220, 230, 240, 250, 260, 270

Column:

Depth (m): 212.8, 215.9, 232.9, 235.6, 238.5, 239.6, 247.0, 250.0

Description

205.0-205.3m: pink feldspar + epidote alteration zones

209.0-210.0m: chlorite + epidote stringers, w=10-20cm

210.0-212.8m: stringers of chlorite + epidote & quartz + pyrite stringers, w=5-10cm

212.8-215.9m: silicified & weakly chloritized granodiorite

212.8-213.0m, 213.4-213.8m: strongly silicified granodiorite, with chlorite stringers

214.7-215.9m: dense network of chlorite, with weak dissemination of pyrite

215.9-232.9m: weakly chloritized granodiorite

with chlorite + (pyrite) stringers, 30-50cm interval

with epidote + pink feldspar + (chlorite) alteration bands, 50-100cm interval

218.3-218.5m: strongly silicified & chloritized zone with quartz + chlorite + epidote veinlets

227.7m: rhyolite dyke, w=15cm, apritic

230.4m, 231.4m: anhydrite? veinlets, w=3-7mm, ∠40-50deg.

232.9-235.6m: strongly silicified, strongly chloritized rock, with dense network of chlorite + pyrite, with epidote stringers

231.1m: quartz + pyrite + chlorite vein, w=5cm, ∠60deg.

231.0-231.3m: pyrite dissemination

235.6-238.5m: weakly silicified & chloritized granodiorite, with epidote veinlets, 50cm interval

238.5-239.6m: strongly silicified zone, ∠60deg.

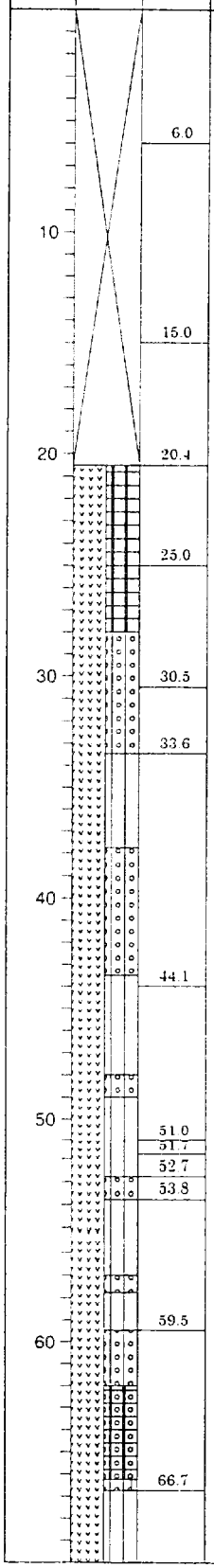
239.6-247.0m: dark gray to greenish dark gray, chloritized fine andesite, including a lot of phenocrysts of hornblende & biotite (φ 1-2mm), with calcite veinlets

247.0-250.0m: biotite - hornblende granodiorite, with minor veinlets of pyrite, with minor veinlets of chlorite, ∠70-80deg.

with epidote + pinkfeldspar alteration bands, w=1cm, 15-30cm interval

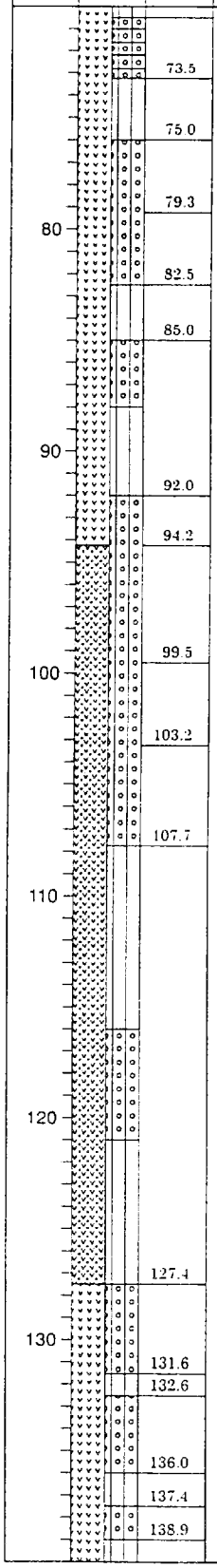
Sulfidation	Silicifica.	Argilliza.	Chloritiza.	Epidotiza.	Examined Sample	Assay Interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
0	0	0	1	1								
0	0	0	0	0		209.0-212.0	40	<0.10	416.0	6.1	28.0	10.0
0	1	0	1	1		212.0-213.0	110	0.4	595.0	8.4	32.5	17.0
0	1	0	1	0		213.0-214.0	30	<0.10	287.0	7.4	23.5	11.0
0	1	0	2	1		214.0-215.0	140	0.4	575.0	9.9	30.0	13.0
1	2	0	2	1		215.0-216.0	200	0.9	645.0	6.3	37.5	51.0
0	0	0	1	1								
0	0	0	1	1								
0	0	0	2	1		216.0-219.0	20	0.1	173.5	6.9	26.0	25.0
0	0	0	1	1								
0	0	0	1	1								
0	0	0	1	1		219.0-222.0	<10	<0.10	210.0	5.9	27.0	29.0
0	0	0	1	1								
0	0	0	1	1								
0	0	0	1	1		222.0-225.0	10	1.5	140.0	7.6	25.5	18.0
0	0	0	1	0								
0	0	0	1	1								
0	0	0	1	0		225.0-228.0	10	0.2	81.5	8.6	28.5	11.0
0	0	0	1	1								
0	0	0	1	0								
0	0	0	1	1		228.0-231.0	10	<0.10	84.0	7.5	27.5	17.0
0	0	0	1	1	3-233.1							
0	1	0	1	1	T1	231.0-233.0	100	0.3	375.5	18.6	31.0	10.0
3	3	0	3	2		233.0-234.0	70	0.5	595.0	62.4	37.5	<2.0
2	3	0	3	2		234.0-235.0	70	0.5	605.0	3.6	30.5	3.0
1	2	0	3	2		235.0-236.0	30	0.1	221.0	3.6	24.5	<2.0
1	1	0	2	2								
0	1	0	1	1		236.0-238.0	30	0.5	473.0	5.5	27.5	<2.0
0	1	0	1	1		238.0-239.0	20	0.3	340.0	6.6	26.0	<2.0
0	1	0	2	1		239.0-240.0	40	0.3	190.0	7.2	47.0	<2.0
0	0	0	0	0								
0	0	0	0	0		240.0-242.0	10	0.1	35.5	6.8	52.5	<2.0
0	0	0	0	0								
0	0	0	0	0		242.0-244.0	20	0.1	28.5	5.3	52.0	<2.0
0	0	0	0	0								
0	0	0	0	0								
0	0	0	0	0		244.0-247.0	30	0.1	62.0	4.6	50.5	<2.0
0	1	0	2	1								
0	1	0	2	1								
0	1	0	2	1		247.0-250.0	50	0.2	299.0	12.4	24.5	<2.0

Appendix 4 Log of the Drill Hole "MJTA-4" (1/4)



Description	Sulfidation	Silicifica.	Argillza.	Chloritiza.	Epidotiza.	Examined Sample	Assay Interval	Assay results Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
0.00-6.00m: surface soil, silty sand, secondary alluvial sediment, yellowish brown	-	-	-	-	-								
	-	-	-	-	-								
	-	-	-	-	-								
	-	-	-	-	-								
	-	-	-	-	-								
	-	-	-	-	-								
6.00-15.0m: debris, pebbly soil, yellowish brown colored	-	-	-	-	-		6.0 - 7.5	20	0.6	194.0	10.6	84.0	<2.0
pebbles: strongly weathered fine grained rock, ϕ 1-3cm, ϕ max: 20cm	-	-	-	-	-		7.5 - 9.0	10	0.6	290.0	13.0	74.0	<2.0
	-	-	-	-	-		9.0 - 10.5	50	0.8	306.0	10.6	76.0	<2.0
	-	-	-	-	-		10.5 - 12.0	20	0.8	374.0	10.4	76.0	<2.0
	-	-	-	-	-		12.0 - 13.5	10	10.4	266.0	10.2	68.0	<2.0
15.10-20.40m: weathered (oxide) zone, fractures - rich, brown colored, stained by limonite - hematite, original rock texture is unclear	-	-	-	-	-		13.5 - 15.0	60	0.4	236.0	9.6	56.0	<2.0
	-	-	-	-	-		15.0 - 16.5	40	0.8	860.0	10.8	90.0	<2.0
20.40-25.00m: dark gray to black, fine grained andesite	-	-	-	-	-		16.5 - 18.0	40	0.8	424.0	9.8	60.0	<2.0
with dense network of chlorite, chlorite + epidote, pyrite, pyrite + chlorite	-	-	-	-	-		18.0 - 20.0	160	0.4	175.5	4.9	38.0	<2.0
with stringers of quartz + pyrite, 1-2cm interval	-	-	-	3	-								
25.00-30.5m: dark gray, fine grained andesite, fracture - rich	2	-	-	3	1		20.0 - 22.0	10	0.4	362.0	9.6	54.0	50.0
fracture surface is stained by Fe-oxide, pyrite, pyrite + Fe-oxide, chloride & quartz + pyrite	1	-	-	3	-								
interval of these fracture is 1-2cm	2	-	-	3	1		22.0 - 24.0	10	0.4	232.0	11.2	56.0	<2.0
transition zone between oxide zone and reduced zone	2	-	-	3	1								
	1	0	0	3	0								
30.5-33.6m: dark gray, fine grained andesite, fracture - rich, without Fe-oxide, with minor calcite vein	2	0	0	2	0		24.0 - 27.0	10	0.2	242.0	9.0	60.0	<2.0
32.1m: quartz + pyrite veinlets, w=1cm ∠70deg.	1	0	0	2	1								
	2	1	0	2	1								
33.6-44.1m: greenish dark gray, fine grained andesite, with a lot of stringers (or network) of epidote, quartz, pyrite, quartz + pyrite, chlorite & calcite, interval of these stringers = 3-1cm, weakly silicified zones are locally developed, with dense network of quartz	1	1	0	2	1		27.0 - 30.0	60	0.1	379.5	4.1	30.5	<2.0
37.7-38.0m: pale gray, weakly silicified zone	1	1	0	2	1								
39.3m: quartz + pyrite veinlets w=5-10mm, ∠65deg.	0	1	0	2	1								
40.7-41.3m: pale gray to pale green colored, silicified zone with disseminatied pyrite	2	1	0	2	1		30.0 - 33.0	10	0.6	130.0	9.6	68.0	<2.0
42.1m, 43.1m,43.9m, 44.1m: quartz + pyrite + epidote veinlets, w=5-15mm, ∠60-70deg.	1	0	0	2	1								
	0	0	0	2	1								
	0	0	0	2	1		33.0 - 36.0	50	0.2	106.0	7.2	52.0	<2.0
	0	0	0	2	1								
	0	1	0	2	1								
44.1-51.0m: dark green to dark gray colored, fine grained andesite with a lot of stringers of pyrite, pyrite + chlorite, pyrite + quartz, chlorite & quartz, 1-2cm interval	1	0	0	2	1		36.0 - 39.0	40	<0.1	80.0	9.0	52.0	10.0
with minor stringers of epidote & calcite	1	1	0	2	1	4-40.9 PT							
47.9m, 48.6m: quartz + chlorite veinlets, w=5-15mm, ∠45deg	1	1	0	2	1		39.0 - 41.0	10	0.6	182.0	6.6	44.0	6.0
	2	1	0	2	1		41.0 - 42.0	200	0.4	370.0	9.8	44.0	7.0
51.0-51.7m: calcite veinlets & clay veinlets ∠80deg. to∠90deg., w=1-3mm	2	1	0	2	1		42.0 - 43.0	200	1.8	266.0	9.6	46.0	10.0
	2	1	0	2	1	4-42.0 PTX	43.0 - 44.0	20	0.8	244.0	13.8	54.0	6.0
	1	0	0	2	0	4-43.0 P							
52.7-53.8m: weakly silicified zone with veinlets of quartz + chlorite, quartz + pyrite, quartz + epidote + chlorite, ∠40deg. to ∠60deg., w=5-10mm	0	0	0	2	0								
	1	0	0	2	1		44.0 - 47.0	10	<0.1	168.0	9.6	46.0	<2.0
	1	1	0	2	1								
53.8-59.5m: greenish dark gray, fine grained andesite with a lot of stringers of pyrite, chlorite + pyrite, quartz, quartz + pyrite & epidote, 5-15mm interval	1	1	0	2	1								
57-57.5m: silicified vein (w=2-3cm) with pyrite veinlets (w=0.5cm), ∠55deg	1	0	0	2	1		47.0 - 50.0	20	0.6	342.0	10.0	50.0	13.0
	1	0	0	2	1								
	1	0	0	2	1								
59.5-66.7m: silicified & chloritized fine grained andesite, with many stringers of pyrite, quartz + pyrite, quartz & chlorite, with silicified veins, with silicified & chloritized veins (w=1-3cm, ∠70deg.±)	1	1	0	2	1		50.0 - 53.0	310	0.2	120.0	11.0	56.0	6.0
	1	1	0	2	1								
	0	0	0	2	1								
62.7-63.0m: pink colored mineral (calcite?) veinlets, ∠80deg., w=3mm	0	0	0	2	1		53.0 - 56.0	80	<0.1	162.0	9.0	46.0	39.0
62.0-64.9m, 66.0-66.7m: strongly silicified zone, rock texture is completely destroyed	1	0	0	2	1								
66.2-66.8m: pink colored mineral vein (w=1-2cm, ∠90deg., formed after silicification, after pyritization	1	1	0	2	1								
	0	0	0	2	1		56.0 - 59.0	90	0.4	142.0	13.8	56.0	29.0
	1	1	0	2	1								
66.7-70.5m: dark green to dark gray colored, fine grained andesite with a lot of stringers of chlorite, calcite(white) & quartz, with minor stringers of pyrite & pyrite + quartz	2	1	0	2	1	4-62.0 PI	59.0 - 61.0	110	24.0	160.0	20.0	56.0	4.0
	3	1	0	2	1		61.0 - 62.0	80	0.2	168.0	11.8	52.0	50.0
	3	2	1	3	1		62.0 - 63.0	40	<0.1	112.0	13.2	46.0	<2.0
	2	2	1	3	1		63.0 - 64.0	30	0.8	182.0	17.6	60.0	14.0
70.5-73.3m: pale greenish light gray, weakly silicified & argillized rock, with sparse network of chlorite, calcite, quartz & chlorite + pyrite	2	2	1	3	1		64.0 - 65.0	110	<0.1	220.0	10.0	46.0	<2.0
with weak epidotization	2	1	0	2	1	4-63.5 PTX							
	2	2	0	3	1		65.0 - 67.0	140	0.4	346.0	20.4	52.0	20.0
	0	0	0	2	1								
	0	0	0	2	1								
	1	0	0	2	1		67.0 - 70.5	90	0.4	122.0	12.8	58.0	5.0

Appendix 4 Log of the Drill Hole "MJTA-4" (2/4)



Description	Sulfidation	Silicifica.	Argiliza.	Chloriniza.	Epidoliza.	Examined Sample	Assay Interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
73.3-75.0m: dark gray colored, fine grained andesite, with calcite network, with minor stringers of pyrite, chlorite, & quartz + epidote	1	1	1	2	1								
	1	1	1	2	2								
	1	1	1	2	2		70.5 - 72.5	20	<0.1	132.0	10.2	52.0	2.0
75.0-79.3m: strongly silicified rock with network of pyrite, chlorite + pyrite, quartz + pyrite, chlorite, epidote	0	0	0	2	1								
original rock is fine grained andesite, dark gray to dark green colored	0	0	0	2	1		72.5 - 75.0	20	0.4	92.0	11.4	66.0	2.0
75.5m: quartz + pyrite vein, w=2cm, ∠55deg.	3	1	0	2	1								
79.0m: quartz + pyrite veinlets, w=0.5mm, ∠70deg.±	1	1	0	2	1								
	2	1	0	2	1		75.0 - 78.0	50	<0.1	93.6	4.0	25.0	21.0
79.3-82.5m: white to pinkish white colored calcite network in the fine grained andesite, with a lot of epidote stringers, total amount of disseminated pyrite is 1%	1	2	0	3	2								
	1	1	0	2	2								
	1	1	0	2	2		78.0 - 81.0	37	0.2	43.2	3.0	37.6	<2.0
82.5-85.0m: dark gray to black, fine grained andesite, with stringers of pyrite + chlorite, pyrite, quartz & epidote , 5cm interval, total amount of disseminated pyrite is 1-2%	1	1	0	2	2								
	1	1	0	2	1								
	1	0	0	1	1		81.0 - 84.0	50	<0.1	56.0	2.0	45.2	<2.0
85.0-92.0m: black to dark green colored, fine grained andesite with quartz + pyrite veinlets (86.7m, 86.9m, 87.9m, 88.2m, 88.5m, 89.2m, 89.8m, 90.3m, 90.8m), ∠60deg.±, w=3-10mm	1	0	0	1	1								
	2	1	0	2	1								
	2	0	0	2	1		84.0 - 87.0	53	<0.1	138.7	4.8	27.1	<2.0
85.0m, 88.0m, 91.0m: pale green colored, silicified rock, with stringers of chlorite, chlorite + pyrite, pyrite & pyrite + quartz, 5-15mm interval, with traces of calcite veinlets	2	1	0	2	1								
	1	1	0	1	1								
	1	0	0	2	1		87.0 - 90.0	80	<0.1	202.4	3.0	24.9	<2.0
92.0-94.2m: fine grained silicified andesite, light gray to light green colored, with sparse (5-10cm) network of chlorite, pyrite, epidote & quartz, with quartz + pyrite veinlets ∠60deg., w=5mm	1	0	0	2	1								
	1	1	0	2	2		90.0 - 92.0	47	<0.1	53.9	4.7	36.5	2.0
	0	2	0	2	1		92.0 - 93.0	67	<0.1	36.2	6.9	44.5	<2.0
	1	2	0	2	1		93.0 - 94.0	57	<0.1	27.1	12.9	41.4	<2.0
94.2-99.5m: silicified and chloritized porphyritic andesite, light green colored, including plagioclase - phenocrysts (φ 1-2mm), with sparse network of chlorite, pyrite, epidote, quartz + pyrite & chlorite + pyrite etc., 1cm to 10cm interval, pyrite dissemination is weak	1	2	0	2	2		94.0 - 95.0	57	<0.1	66.0	14.1	45.1	<2.0
	0	2	0	2	1								
	0	2	0	2	1								
97.5m: chlorite + pyrite veinlets, ∠50deg., w=5mm	1	2	0	2	2		95.0 - 98.0	470	<0.1	1308.0	7.6	33.7	<2.0
	1	2	0	2	2								
	1	2	0	2	1								
99.5-103.2m: green to pale green colored, porphyritic andesite, with silicified bands & epidotized bands, with pyrite stringers (3-10cm intervals), with minor stringers of chlorite + pyrite, quartz + pyrite, chlorite and quartz	1	1	0	2	1		98.0 - 101.0	77	<0.1	148.7	8.7	29.4	<2.0
	1	1	0	2	1								
	1	0	0	2	1								
103.2-107.7m: light gray to pale green colored, silicified rocks, with dense stringers (0.5-3cm interval) of pyrite, pyrite + quartz, chlorite + pyrite, epidote & quartz	2	2	0	2	2		101.0 - 104.0	130	0.1	143.0	14.5	28.0	12.0
with veinlets of quarts + pyrites (w=3-7mm)	1	2	0	2	2		104.0 - 105.0	120	0.1	376.5	4.0	23.2	33.0
	1	1	0	2	2		105.0 - 106.0	67	<0.1	149.1	4.0	26.4	<2.0
104.5m: minor veinlets of anhydrite + epidote + K-feldspar (w=5mm), ∠55deg.	2	2	0	2	2		106.0 - 107.0	80	<0.1	253.5	4.9	22.7	<2.0
	2	2	0	2	2								
	2	1	0	2	1								
107.7-127.4m: dark green to dark gray colored, chloritized porphyritic andesite, with stringers of pyrite, chlorite, epidote, quartz + pyrite & quart, 1-5cm interval, with minor veinlets (w=3-10mm) of quartz + pyrite + chlorite, with K-feldspar bands (w=10cm±)	1	0	0	2	1		107.0 - 110.0	50	<0.1	131.5	5.6	27.0	<2.0
	2	0	0	2	1								
	1	0	0	2	1								
108.5m, 112.5-112.8m, 117.5-120.8m: silicified rock	2	1	0	2	2		110.0 - 113.0	47	0.1	70.4	5.1	58.8	2.0
129.8m, 124.9m: anhydrite veinlets with quartz + epidote (w=2-10mm), ∠40-70deg.,	1	0	0	2	1								
122.0m, 123.4m, 123.7m: traces of calcite veinlets after pyritization and chloritization	1	0	0	2	1								
125.0-127.4m: pale greenish to gray, coarse grained, porphyritic andesite, with minor stringers of pyrite, 20cm interval	1	0	0	2	1		113.0 - 116.0	57	<0.1	78.5	4.0	41.6	<2.0
	1	1	0	2	1								
with minor stringers of epidote & chlorite	0	1	0	2	1								
with minor veinlets of calcite	1	1	0	2	1		116.0 - 119.0	73	<0.1	122.0	7.6	42.5	<2.0
	0	1	0	2	1								
127.4-131.6m: dark greenish gray, fine grained andesite, slightly silicified, with a lot of stringers (interval: 1-2cm) of pyrite, pyrite + quartz, quartz, chlorite & chlorite + quarts, with weak dissemination of pyrite	1	1	0	2	1								
	0	0	0	2	1		119.0 - 122.0	57	<0.1	64.1	4.5	50.2	2.0
128.0m: quarts + anhydrite veinlets, ∠75deg., w=7mm	0	0	0	2	1								
	0	0	0	2	1								
	0	0	0	2	1		122.0 - 125.0	63	<0.1	31.5	6.4	50.9	<2.0
131.6-132.6m: dark gray, fined grained andesite, with pyrite stringers (interval: 5cm±)	0	0	0	2	2								
	0	0	0	2	2								
132.6-136.0m: slightly silicified andesite with pyrite stringers, with pyrite + quartz veinlets, with pyrite + quartz vein (w=1-4cm) ∠70deg.±, 30cm interval	0	0	0	2	2		125.0 - 128.0	57	<0.1	36.2	4.0	37.3	2.0
	2	1	0	2	1								
	2	1	0	2	1								
136.0-137.4m: dark green colored andesite, with pyrite stringers, 2-3cm interval	2	1	0	2	1		128.0 - 131.0	60	<0.1	74.5	10.0	39.6	2.0
136.8m: pyrite + quartz veinlets, ∠80deg., w=5-8mm	1	1	0	2	1	4-133.2 PT							
137.4-138.9m: stringers of quartz + pyrite & pyrite 1-5cm interval	1	0	0	2	1		131.0 - 133.0	50	1.0	151.2	5.0	31.2	<2.0
137.9m: quartz + pyrite veinlets, ∠80deg., w=3-5mm	3	2	0	2	1		133.0 - 134.0	47	<0.1	110.6	6.9	20.6	<2.0
	3	2	0	2	1		134.0 - 135.0	67	<0.1	252.5	4.0	23.0	<2.0
138.9-146.4m: dark gray to dark green colored, fine grained andesite	2	1	0	2	1		135.0 - 136.0	80	<0.1	162.8	6.3	23.8	3.0
	1	0	0	2	1								
140.4m, 141.1m, 141.6m, 142.0m: pyrite veinlets and quartz + pyrite veinlets, ∠70-80deg., w=3-8mm	2	1	0	2	1								
	2	1	0	2	1		136.0 - 139.0	37	<0.1	138.6	7.1	23.7	22.0
	1	0	0	2	0								

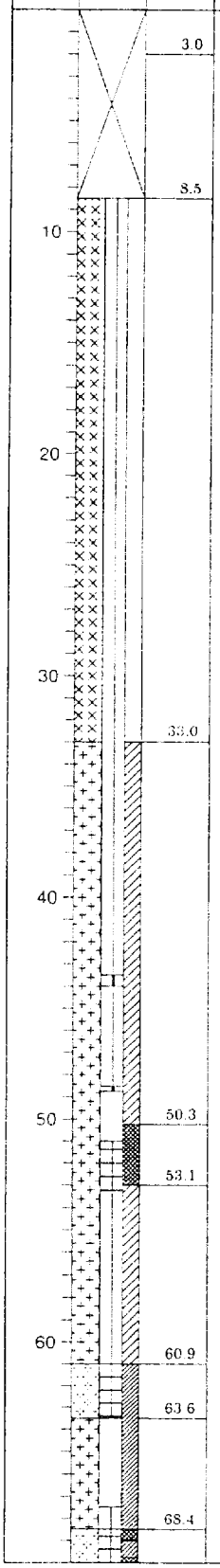
Appendix 4 Log of the Drill Hole "MJTA-4" (3/4)

Scale (m)	Column	Depth (m)	Description	Sulfidation	Silicifica.	Argiliza.	Chloriniza	Epidoliza	Examined Sample	Assay Interval	Assay results Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
			145.1m: pink calcite veinlets, w=1cm, ∠25deg., with quartz stringers, with chlorite stringers, with pyrite stringers (2-10cm interval)	1	0	0	2	1								
				2	1	0	2	1		139.0 - 142.0	43	<0.1	122.7	7.5	26.7	9.0
			146.4-146.7m: coarse grained andesite tuff?, ∠10deg., w=20cm	1	0	0	2	1								
				1	0	0	2	1								
		146.4		1	0	0	2	0		142.0 - 145.0	67	<0.1	82.5	4.5	25.6	<2.0
			146.7-149.8m: fine grained andesite with thin layers of coarse grained andesite tuff, with stringers of pyrite, quartz, chlorite	1	0	0	2	1								
				2	1	0	2	1								
				0	0	0	2	1		145.0 - 148.0	70	<0.1	89.1	3.0	25.6	3.0
		149.8		1	0	0	2	1								
			149.8-150.0m: strongly silicified zone with quartz veinlets	1	1	0	2	1								
150				2	1	0	2	1		148.0 - 151.0	110	0.1	282.3	13.3	27.9	28.0
			150.0-160.2m: dark green colored, fine grained andesite, with stringers of chlorite, chlorite + pyrite, pyrite & pyrite + quartz, 5cm interval	1	0	0	2	0								
			with minor stringers of calcite (cut the chlorite + pyrite stringers), ∠30deg.±, w=1-2mm, 20cm interval	0	0	0	2	0								
			pyrite dissemination is very weak	0	0	0	2	1		151.0 - 154.0	137	0.1	934.0	5.4	35.5	6.0
			153.1m: quartz + pyrite + chlorite veinlets, ∠90deg., w=5-10mm	0	0	0	2	1	4-156.0 T							
			153.2m: silty layers (thickness=3cm, ∠15deg.)	0	0	0	2	1								
			155.2m: minor veinlets of chlorite + quartz + pyrite	0	0	0	2	1		154.0 - 157.0	10	<0.1	62.0	15.4	57.8	4.0
				0	0	0	2	1								
				0	0	0	2	1								
160		160.2	**160.2-163.0m**: dark gray, porphyritic, coarse grained andestic rock, with stringers of pyrite + chlorite & chlorite, 5-20cm interval, with minor veinlets of epidote & calcite	0	0	0	2	1		157.0 - 160.0	10	<0.1	58.0	11.0	41.4	<2.0
				0	0	0	2	1								
				0	0	0	2	1								
			163.0m, 161.6m, 163.5m: pyrite + chlorite & quartz + pyrite veinlets (∠55-70deg., w=3-5mm)	0	0	0	2	1		160.0 - 163.0	80	<0.1	102.0	14.2	49.2	2.0
				1	0	0	2	1								
			164.0-167.3m: dark green to dark gray colored porphyritic andesite, with chlorite + pyrite, pyrite, epidote stringers (∠50-75deg., w=1mm, 1-5cm interval)	0	0	0	2	1								
				0	0	0	2	1								
		167.3		0	0	0	2	1		163.0 - 167.0	<10	<0.1	88.0	9.4	34.8	5.0
			167.3-169.1m: dense network of pyrite, with pyrite dissemination, with weak silicification	2	1	0	2	1								
		169.1		3	1	0	2	1		167.0 - 169.0	27	<0.1	504.0	8.8	33.6	<2.0
170			**169.1-170.7m**: stringers of pyrite, pyrite + chlorite, 7-10cm interval, ∠60deg.±, with minor veinlets of quartz, ∠30deg., w=8mm	0	0	0	2	0								
				0	0	0	2	0								
		170.7		0	0	0	2	1		169.0 - 172.0	10	<0.1	144.0	9.6	40.2	6.0
			170.7-175.0m: coarse grained andesite tuff, light gray colored, with minor stringers of pyrite, epidote & quartz 20-30cm interval	0	0	0	2	1								
				0	0	0	2	1								
		175.0		0	0	0	2	1		172.0 - 175.0	20	<0.1	132.0	10.2	31.0	2.0
			175.0-178.2m: greenish gray, coarse grained andestic rock, chloritized and epidotized, with stringers of pyrite & chlorite + pyrite, with veinlets of quartz + pyrite, ∠60deg., with minor veinlets of calcite, ∠40deg.	0	0	0	2	2								
				1	0	0	2	2								
		178.2		1	0	0	2	2		175.0 - 178.0	17	<0.1	222.0	9.2	36.6	2.0
		179.1	**179.1-180.4m**: coarse grained andestic rock, with a lot of calcite veinlets & white clay veinlets, with minor stringers of quartz + pyrite & pyrite stringers, ∠70deg	0	0	0	1	1								
				0	0	0	2	1	4-180.3 X							
180		180.4		0	0	0	2	1		178.0 - 181.0	<10	0.1	66.0	6.8	41.4	7.0
			180.4-184.8m: coarse grained andesite, strongly chloritized, with epidote alteration bands (w=2-10cm, ∠20-40deg., 10-30cm interval)	0	0	0	3	2								
				0	0	0	3	2								
				0	0	0	3	2		181.0 - 184.0	43	<0.1	110.0	17.8	84.8	5.0
		184.8	**184.8-190.4m**: dark greenish gray, chloritized, coarse grained andestic rock, with pyrite + chlorite stringers, ∠45-70deg., 5cm± interval	0	0	0	3	2								
			with minor veinlets of chlorite & quartz + pyrite, ∠80-90deg., w=5-8mm	0	0	0	2	1								
			188.0m, 189.0m: chlorite + calcite (pink) veinlets, ∠90deg., w=5-7mm	1	0	0	2	1	4-187.5 TX	184.0 - 187.0	170	0.2	680.0	9.0	43.0	19.0
				1	0	0	2	1								
				1	0	0	3	1								
190		190.4	**190.4-199.3m**: weakly chloritized, coarse grained andestic rock, with pyrite stringers, ∠50-70deg., w=0.5-1.5mm, 10cm interval	0	0	0	2	1		187.0 - 190.0	<10	14.0	188.0	11.8	51.2	5.0
			with stringers of chlorite + pyrite, chlorite, epidote, quartz + pyrite, ∠60-75deg., 10-15cm intervals	0	0	0	2	2								
			with pyrite veinlet, 50-100cm interval	0	0	0	2	1								
			194.6-198.0m: calcite veinlets& quartz veinlets, 50-100cm interval	1	0	0	2	1		190.0 - 193.0	<10	1.2	258.0	29.6	72.8	13.0
			190.6m, 194.6m, 198m: strongly chloritized & strongly epidotized zone, width=20cm±	0	0	0	2	1								
			199.3m: quartz + calcite + pyrite vein w=6cm, ∠65deg.	0	0	0	2	2								
		199.3		0	0	0	2	1		193.0 - 196.0	<10	<0.1	136.0	10.4	37.4	7.0
200			**201.0-201.5m**: dark gray, fine grained andestic tuff with calcite stringers	0	0	0	2	1								
		201.0		1	0	0	2	2		196.0 - 198.0	30	42.2	302.0	7.6	43.8	2.0
			201.5-203.2m: coarse grained andestic tuff with quartz + pyrite veinlets, ∠50deg.±, 5-10cm interval, with calcite stringers, ∠30-70deg., 2-3cm interval	0	0	0	2	1								
		203.2		1	0	0	2	1		198.0 - 201.0	33	<0.1	218.0	27.8	56.0	19.0
				0	0	0	2	0								
				0	0	0	2	0								
				0	0	0	2	0		201.0 - 203.0	<10	<0.1	204.0	10.0	59.4	7.0
			203.2-206.8m: dark gray to dark green colored, coarse grained andestic rock, strongly chloritized, partly epidotized, with a lot of chlorite + pyrite stringers	1	0	0	2	1	4-205.0 TX							
				1	1	0	3	2								
		206.8		1	1	0	2	1		203.0 - 206.0	<10	7.8	158.0	40.8	83.0	9.0
			204.5-205.2m, 206-206.8m: chlorite + quartz + calcite veinlets, ∠80deg. to ∠90deg., with pyrite dissemination	1	1	0	3	2								
				0	0	0	2	2								
				1	1	0	3	2		206.0 - 209.0	<10	3.8	129.2	10.8	62.7	5.0
				1	1	0	2	1		209.0 - 210.0	10	<0.1	88.0	8.2	44.8	7.0

Appendix 4 Log of the Drill Hole "MJTA-4" (4/4)

Depth (m)	Description	Sulfidation	Silicifica.	Argillitiza.	Chloritiza.	Epidotiza	Examined Sample	Assay Interval	Assay results: Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
214.1	**206.8-214.1m**: dark gray, coarse grained andestic rock, with stringers of chlorite, chlorite + pyrite & pyrite, 5-15cm interval, ∠40-60deg. pyrite dissemination is very weak with minor epidote stringers & calcite (pink) stringers	2	1	0	2	2		210.0 - 211.0	<10	<0.1	176.0	80.2	74.2	5.0
		1	1	0	2	2		211.0 - 212.0	37	6.4	254.0	45.0	80.2	6.0
		0	0	0	2	1								
		0	0	0	2	1								
		0	1	0	3	2		212.0 - 215.0	<10	2.2	150.0	10.4	49.6	13.0
	219.7-220.2m: strongly chloritized, fine grained rock, silty rock, with calcite network	0	1	0	3	2								
		0	0	0	2	1	4-217.1 X							
219.7	**220.2-221.6m**: chloritized and epidotized, coarse grained andestic pyroclastics, with calcite veinlets	0	1	0	3	2		215.0 - 218.0	<10	6.2	172.0	50.0	65.6	14.0
		0	0	0	2	1								
221.6	**221.6-225.0m**: dark green colored, andestic, fine grained rock, with stringers of epidote, pink calcite & chlorite, 1-2cm interval 224.4-224.6m: pyrite stringers	0	0	0	3	2								
		0	0	0	3	0		218.0 - 221.0	<10	<0.1	52.0	8.0	69.6	6.0
		0	0	0	2	1								
225.0	**225.0-227.2m**: strongly chloritized, coarse grained andestic tuff, with epidote network 226.4m: strongly chloritized green rock, ∠ 60deg ,w=3-4mm	0	0	0	2	1								
		0	0	0	2	1		221.0 - 224.0	<10	<0.1	126.0	9.2	54.0	<2.0
		0	0	0	2	1								
227.2	**227.2-227.7m**: dark gray to dark green, fine grained andestic tuff, ∠30-40deg	0	0	1	3	2								
		0	0	1	3	2		224.0 - 227.0	<10	4.2	133.3	82.2	63.4	<2.0
227.7		0	0	0	3	0								
		0	0	1	3	3								
230.3	**227.7-228.7m**: pale green, chloritized, epidotized rock with calcite veinlets, alternation beds of fine grained tuff and coarse grained tuff	0	0	0	2	1		227.0 - 230.0	<10	<0.1	128.0	15.8	57.0	<2.0
		0	0	1	3	2								
231.7		0	0	1	3	2								
	228.7-230.3m: dark gray, fine grained andestic tuff with stringers of chlorite, chlorite + pyrite, calcite , ∠40-80deg., 1-3cm interval	0	0	1	2	1		230.0 - 233.0	<10	<0.1	80.0	8.4	52.0	<2.0
		0	0	1	2	1								
234.7		0	0	1	2	1								
235.5	**230.3-231.7m**: strongly chloritized, fine grained rock, with calcite, quartz veinlets 230.4m: chlorite + pyrite vein (∠55deg., w=1cm)	1	1	1	3	1		233.0 - 236.0	<10	47.6	54.0	17.8	47.8	<2.0
		0	0	0	2	1								
	231.7-234.7m: dark green to dark gray colored, fine grained andestic tuff with calcite network	0	0	0	2	1								
		0	0	0	2	1		236.0 - 239.0	17	<0.1	52.0	10.6	63.6	<2.0
		0	0	0	2	1								
	234.7-235.5m: dark green colored, strongly chloritized rock with pyrite stringers, with pyrite veinlets, 2-5cm interval, with calcite + quartz veinlets	0	0	0	2	1								
		0	0	0	2	1		239.0 - 242.0	<10	<0.1	62.0	7.8	56.4	<2.0
		0	0	0	2	1								
	235.5-245.4m: dark gray colored, fine grained andestic rock, with veinlets of quartz + pyrite, chlorite + pyrite, ∠50-70deg., w=2-4mm, 20cm interval, with minor veinlets of epidote	1	0	0	2	1								
245.4		1	0	0	2	1		242.0 - 245.0	<10	<0.1	60.0	13.4	61.0	<2.0
		0	0	0	2	1								
248.1		0	0	0	2	1								
	245.5-248.1m: dark gray, fine grained andestic rock, with chlorite stringers, ∠60deg., 1-3cminterval, with minor stringers of epidote & pyrite	0	0	0	2	1	4-248.6 P	245.0 - 248.0	<10	<0.1	80.0	8.2	59.0	5.0
248.7		2	1	1	3	3								
250.0	**248.1-248.7m**: strongly chloritized & epidotized zone, with dense network of quartz + pyrite, with pyrite dissemination, containing chalcopyrite??	0	0	0	2	1		248.0 - 250.0	67	0.4	436.0	5.6	51.2	<2.0
	248.7-250.0m: dark gray, fine grained andestic rock, with chlorite stringers, ∠60deg., 1-3cm interval, with minor stringers of epidote & pyrite													

Appendix 5 Log of the Drill Hole "MJTA-5" (1/5)

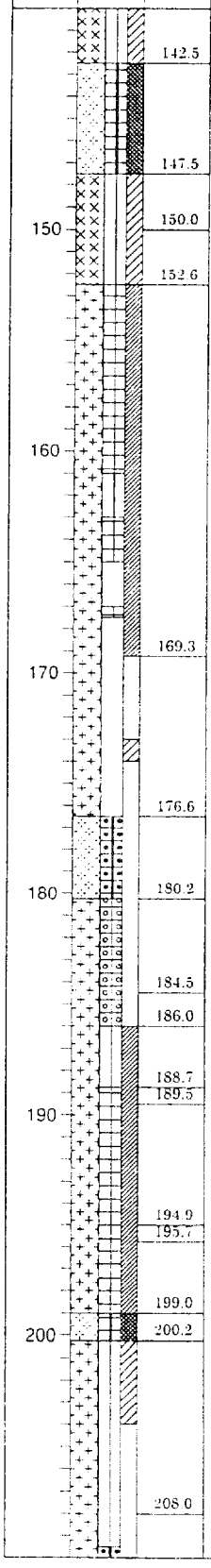


Description	Sulfidation	Silicifica.	Argillize	Chloritiza	Epidotiza	Examined Sample	Assay Interval	Assay results Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
0.0-2.0m: brown colored surface soil, coarse grained sand **2.0-8.50m**: floats of flesh granite, ϕ 30-100cm 5.5-6.3m: strongly weathered granodiorite	-	-	-	-	-		0.0 - 3.0	<10	0.2	122.0	12.0	89.0	<2.0
	-	-	-	-	-		3.0 - 6.0	40	<0.1	59.0	9.0	40.0	<2.0
8.5-33.0m: oxide zone, hematite stains along open fractures (5-20cm interval), brownish gray colored biotite-hornblend granodiorite, Feldspar >> hornblend > biotite > quarz, grain size = ϕ 3-5mm, flesh with traces of epidote stringers (w=1-2mm, ∠70deg. ±), with pink feldspar bands (w=1-4cm), with traces of chlorite stringers (∠70deg.), with traces of quartz + pyrite veinlets (w=3-4mm, ∠75deg.±) 14.9-15.6m, 16.3m, 17.8m, 20.1m-21.3m, 24.2m, 25.2-26.5m, 28.2-28.6m: concentratition of Fe-oxide along open fractures, pyrite dissemination is very weak	0	0	0	0	0		6.0 - 9.0	<10	0.6	370.0	19.0	53.0	<2.0
	0	0	0	0	0		9.0 - 12.0	<10	<0.1	251.0	14.0	55.0	<2.0
	0	0	0	0	0		12.0 - 15.0	<10	3.4	1249.0	27.0	89.0	<2.0
	0	0	0	0	0		15.0 - 18.0	<10	2.2	268.0	18.0	60.0	<2.0
	0	0	0	0	0		18.0 - 21.0	30	<0.1	127.0	29.0	51.0	<2.0
	0	0	0	0	0		21.0 - 24.0	<10	<0.1	52.0	17.0	44.0	<2.0
33.0-50.3m: sulfide zone starts from 33.0m, hornblende - biotite or biotite - hornblende granite, medium grained, grain size = ϕ 3-4mm mineral assemblage = K-feldspar, plagioclase >> hornblend, biotite, quartz pyrite dissemination is weak, total amount of sulfide is less then 1% epidote veinlets (w=2-3mm) & pink feldspar bands occur are found (30-300cm interval), 33.8m: quartz + chlorite + pyrite veinlets, w=8mm, ∠70deg. 35.4m: quartz stringers & pyrite stringers, ∠80deg. 36.5m, 37.1m: chlorite + pyrite veinlets, w=2mm, ∠75deg., with pink feldspar bands 39.2m: chlorite + pyrite stringers, 2-3cm interval, ∠80deg. 40.5m: epidote veinlets with pink feldspar bands (∠75deg., w=5cm 41.8m: chlorite stringers (∠80deg.) 43.5-44.0m: Quartz veinlets (w=2mm ±, ∠80deg.) in the strongly chloritized rock 45.6m: chlorite stringers (∠75deg.) 47.4-47.8m: chlorite + pyrite stringers (∠90deg.) 49.7-49.8m: epidotized rock with pink feldspar bands (w=20cm) 49.3m: weakly epidotized rock with pink feldspar	0	0	0	0	0		24.0 - 27.0	10	<0.1	88.0	15.0	49.0	<2.0
	0	0	0	0	0		27.0 - 30.0	<10	0.6	179.0	11.0	38.0	2.0
	0	0	0	0	0		30.0 - 33.0	<10	<0.1	122.0	19.0	47.0	12.0
	0	0	0	0	0	5-34.7 TX	33.0 - 36.0	<10	<0.1	87.0	10.0	42.0	<2.0
	0	0	0	0	0	5-36.5 TX	36.0 - 39.0	<10	<0.1	84.0	7.0	38.0	<2.0
	0	0	0	0	0		39.0 - 42.0	10	<0.1	56.0	15.0	48.0	<2.0
	1	0	0	2	2		42.0 - 45.0	<10	2.8	78.0	12.0	45.0	<2.0
50.3-53.1m: pink colored, hornblende - biotite granite, medium grained, with pyrite stringers (∠60-70deg.) 52.3-52.7m: epidote stringers occur (10cm interval)	0	0	0	0	0		45.0 - 48.0	30	<0.1	222.0	14.0	46.0	6.0
53.1-60.9m: light gray to pinkish light gray colored, hornblende - biotite granite, rarely traces of pyrite stringers (∠60-70deg.) occur, 40-100cm interval 57m: strongly chloritized vein(w=2-3cm, ∠80deg.) 58-59m: chlorite stringers, ∠80deg., w=1mm 60.3-60.6m: pink colored aprite vein, ∠50deg., w=7cm	0	0	0	1	1		48.0 - 51.0	10	<0.1	92.0	13.0	39.0	<2.0
	0	0	0	0	0		51.0 - 54.0	20	<0.1	110.0	30.0	55.0	<2.0
60.9-63.6m: epidotized granite, plagioclase changes to epidote, mafic minerals change to chlorite, original rock texture is clear 62-63.6m: a lot of epidote veinlets(∠60deg., w=3-4mm) occur in pink colored granite, 3-5mm interval	0	0	0	1	1		54.0 - 57.0	<10	<0.1	68.0	12.0	39.0	<2.0
	0	0	0	1	1		57.0 - 60.0	20	<0.1	56.0	16.0	47.0	<2.0
63.6-68.4m: slightly argillized granite, plagioclase shows white color (white clay), other rock forming minerals are not altered pink colored alteration bands occur (w=1-5cm, ∠15-40deg., 3-40cm interval), plagioclase changes to epidote & white clay, K-feldspar shows pink color, mafic minerals change to chlorite	0	0	0	1	0		60.0 - 63.0	10	<0.1	57.0	26.0	47.0	3.0
	0	0	0	1	1	5-64.5 TX	63.0 - 66.0	20	<0.1	21.0	9.0	43.0	<2.0
68.4-72.9m: epidote - chlorite network zone, plagioclase changes to white clay and epidote, K-feldspar shows pink color, mafic minerals change to chlorite, with pyrite stringers (∠60deg ±, 8-10cm interval), pyrite dissemination is weak, traces of chalcopyrite occur occur with pyrite stringers 70.5m: traces of quartz - pyrite - chalcopyrite - molibdenite veinlets (w=5mm)	0	0	0	1	1		66.0 - 69.0	20	<0.1	117.0	12.0	45.0	68.0

Appendix 5 Log of the Drill Hole "MJTA-5" (2/5)

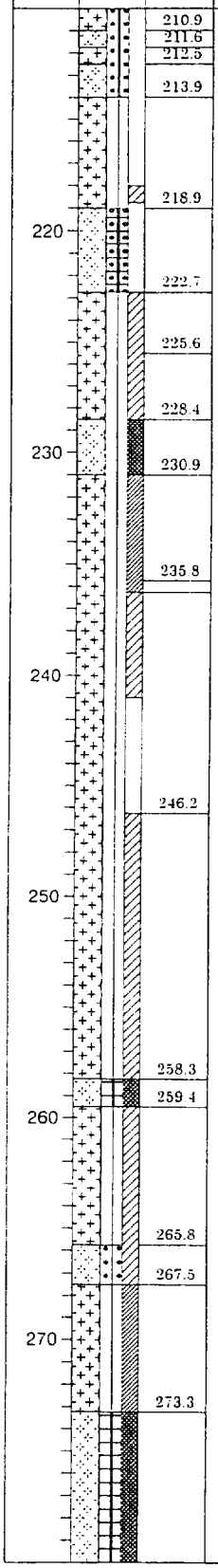
Depth (m)	Description	Sulfidation	Silicifica.	Argiliza.	Chloritiza.	Epidotiza.	Examined Sample	Assay Interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
72.9	**72.9-77.3m**: light gray, hornblende - biotite granite, containing pink feldspar bands (w=2cm ±, ∠20deg., 10-20cm interval)	1	0	2	2	2								
		1	0	2	2	2	5-70.5 P	69.0 - 72.0	20	<0.1	261.0	15.0	60.0	15.0
		1	0	2	2	2								
		0	0	0	0	0								
	77.3-79.7m; 77.5-78.0m: chlorite + calcite veinlets, ∠80deg.	0	0	0	0	0		72.0 - 75.0	20	<0.1	81.0	29.0	44.0	<2.0
	78.3-78.6m: quartz veinlets, ∠30-60deg., w=5mm	0	0	0	1	1								
	79.2-79.4m: chlorite + calcite stringer	0	0	0	1	1								
77.3		0	0	1	1	0								
	79.7-82.6m: light gray colored, fresh granite	0	0	0	1	0		75.0 - 78.0	20	<0.1	202.0	17.0	42.0	<2.0
	80.7m: pyrite stringer, ∠75deg.	0	0	0	1	0								
	81.7m: quartz + pyrite veinlets, ∠50deg., w=2-3mm, with small amounts of chalcopyrite	0	0	1	1	0								
79.7		0	0	0	0	0								
	82.6-84.0m: pink colored aktered granite, with epidote veins - veinlets, (∠20deg. to ∠70deg., w=1-5mm) with quartz + pyrite pools (φ 1-2cm)	0	0	0	0	0		78.0 - 81.0	30	<0.1	66.0	9.0	44.0	3.0
	plagioclase changes to epidote, K-feldspar shows pink color, mafic minerals change to chlorite	1	0	1	2	3								
82.6		1	0	1	2	2		81.0 - 84.0	30	3.8	86.0	26.0	52.0	<2.0
84.0		1	0	0	1	1		84.0 - 85.0	20	<0.1	20.0	11.0	47.0	<2.0
	84.0-86.3m.	1	0	0	1	1		85.0 - 85.5	20	<0.1	193.0	55.0	57.0	<2.0
	85.2m:quartz + pyrite + chalcopyrite + molibdenite veinlets, ∠60deg., w=3-5mm	0	1	1	3	3								
86.3	86.0m: quartz + pyrite veinlets, ∠80deg., w=3mm	0	0	1	3	3		85.5 - 88.0	20	1.2	200.0	25.0	58.0	33.0
		0	1	1	3	3								
88.7	**86.3-88.7m**: dense network of chlorite, with a lot of epidote veinlets (∠30-40deg., w=3-5mm)	0	0	0	1	1								
90.6	88.7m: quartz + pyrite veinlets with small amounts of chalcopyrite	0	0	1	1	1		88.0 - 91.0	20	<0.1	95.0	12.0	51.0	<2.0
92.2		0	0	1	3	3		91.0 - 92.0	30	2.0	120.0	84.0	63.0	<2.0
	90.6-92.2m: chlorite + epidote network in strongly chloritized rock, green colored	0	0	0	2	2								
	90.8m: quartz + pyrite veinlet, ∠80deg.	0	0	0	2	2								
		0	0	1	3	3		92.0 - 95.0	20	1.2	46.0	12.0	54.0	<2.0
	92.2-97.0m: chlorite veinlets and epidote veinlets (5-20cm interval, ∠30-60deg.) with minor calcite + chlorite veinlets, most of mafic minerals change to chlorite	0	0	1	2	2								
97.0	95.7m: quartz + pyrite veinlets (w=2mm, ∠85deg.)	0	0	1	2	2								
		0	0	0	2	2		95.0 - 98.0	10	<0.1	160.0	27.0	53.0	<2.0
	97.0-104.6m: pink colored alteration bands (K-feldspar, epidote & chlorite), 50cm ± interval, ∠20deg., w=1-5cm	0	0	0	1	1								
	102.4m, 104.3m: pyrite veinlets, ∠75 to ∠80deg. w=3cm ±, containing a small amounts of chalcopyrite	0	0	0	1	1								
		0	0	0	1	1		98.0 - 101.0	20	<0.1	115.0	32.0	54.0	25.0
		0	0	0	1	1								
		0	0	0	1	1								
		0	0	0	1	1	5-104.2 PT							
104.6	**104.6-106.6m**: pink colored alterated zone with epidote veinlets and chlorite veinlets (epidote: ∠20deg ±, chlorite: ∠70deg.±)	0	0	0	1	1		101.0 - 104.0	20	<0.1	24.0	8.0	39.0	16.0
	104.7m: chalcopyrite in chlorite veinlets	1	0	0	1	2								
106.6		0	0	1	2	2								
		0	0	1	2	2		104.0 - 107.0	10	<0.1	51.0	47.0	54.0	<2.0
107.8	**107.8-108.3m**: strongly epidotized & chloritized rock	0	0	0	2	2								
		0	0	0	2	2								
109.4	**108.5m**: quartz + pyrite stringer (∠80deg.)	0	0	0	2	2								
		0	0	0	2	2		107.0 - 110.0	20	<0.1	28.0	17.0	50.0	13.0
		0	0	0	1	1								
	112.6-112.7m, 109.4-109.5m: strongly epidotized & chloritized rock, plagioclase changes to epidote, mafic minerals change to chlorite, with epidote stringers, with chlorite stringers (∠70deg.±)	0	0	0	1	1								
112.6		0	0	1	2	2		110.0 - 113.0	20	<0.1	51.0	11.0	42.0	66.0
		0	0	0	1	1								
114.2		0	0	0	1	1								
	114.2-121.4m: light gray, fresh, hornblende - biotite granite, medium grained, with thin alteration bands (w=1-3cm, ∠20-40deg., 50-100cm interval) of pink feldspar + epidote + chlorite + white clay	0	0	0	1	1		113.0 - 116.0	30	<0.1	50.0	10.0	41.0	23.0
	with pyrite stringers (w=1mm ±, ∠70-80deg., 50-100cm interval)	0	0	0	1	1								
		0	0	0	1	1		116.0 - 119.0	10	1.0	100.0	9.0	35.0	15.0
	121.4-123.6m: pink colored, chloritized, epidotized & argillized granite, with chlorite and epidote veinlets (2-5cminterval), with traces of calcite veinlets (∠60deg., w=2-3mm)	0	0	0	1	1	5-122.0 TX	119.0 - 121.4	20	<0.1	54.0	15.0	46.0	27.0
121.4		0	0	1	3	3								
123.6		0	0	1	3	3		121.4 - 123.6	20	<0.1	53.0	30.0	55.0	34.0
	123.6-134.2m: hornblende - biotite granite, medium grained, φ 3-4mm, light gray, fresh	0	0	1	3	3								
	with thin alteration bands (w=1-4cm, ∠15-60deg., 50-100cm interval) of pink feldspar + epidote	0	0	0	0	0								
	127.4m: chloritized and silicified vein (w=3.5cm, ∠65deg.)	0	0	0	0	0								
		0	0	0	1	1		123.6 - 127.0	30	<0.1	109.0	25.0	55.0	26.0
	129.4m, 132.5m: quartz + chlorite veinlets (w=2mm ± ∠65-70deg.)	0	1	0	1	1								
		0	0	0	1	1								
	133.6m: strongly epidotized zone, ∠20deg., w=5cm	0	0	0	1	1		127.0 - 130.0	30	1.6	206.0	18.0	42.0	17.0
		0	0	0	1	1								
		0	0	0	1	1								
	134.2-135.0m: silicified rock with strong chloritization	0	0	0	1	1								
134.2	134.2m: quartz vein with chalcopyrite pools, φ 5mm	0	0	0	1	1	5-134.2 P	130.0 - 134.2	20	<0.1	81.0	8.0	36.0	22.0
135.0		1	3	0	3	2		134.2 - 135.0	20	<0.1	42.0	4.0	62.0	12.0
	135.0-142.5m: dark gray, biotite - hornblende granodiorite (or quartz diorite), fresh	0	0	0	0	0								
	135-136m: quartz + pyrite stringer(∠65deg.)	0	0	0	1	0								
	137.5m: xenoliths of diorite porphyry (φ 4cm)	0	0	0	0	0		135.0 - 135.0	20	1.0	69.0	9.0	39.0	12.0
	139-141m: a lot of chlorite stringers with pink feldspar	0	0	0	1	0								
		0	0	0	2	1								

Appendix 5 Log of the Drill Hole "MJTA-5" (3/5)



Depth (m)	Description	Sulfidation	Silicifica.	Argiliza.	Chloritiza	Epidotiza	Examined Sample	Assay Interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
142.5	**142.5-147.5m**: pink colored, weakly argillized hornblende - biotite granite, K-feldspar shows pink color, plagioclase changes to white clay, mafic minerals change to chlorite, with network of chlorite + epidote 147m: montmorillonite vein (∠50deg., w=3cm) in the strongly argillized zone	0	0	0	2	1	5-140.5 TX	138.0 - 141.0	40	<0.1	35.0	13.0	41.0	17.0
		0	0	0	1	0		141.0 - 142.5	20	0.6	60.0	19.0	61.0	16.0
		0	0	1	3	2								
		0	0	1	3	2		142.5 - 144.6	10	0.6	44.0	31.0	85.0	14.0
		0	0	1	3	2								
147.5	**150.0-152.6m**: dark gray, hornblende - biotite or biotite - hornblende granodiorite (or quartz diorite), ,mafic mineral rich, with traces of chlorite stringers (100cm interval)	0	0	2	3	2		144.6 - 147.5	10	1.4	113.0	39.0	81.0	7.0
		0	0	2	2	1								
		0	0	0	1	1								
150.0								147.5 - 150.0	20	0.4	44.0	25.0	62.0	<2.0
	152.6-169.3m: alternation beds (w=2cm to 20cm) of fresh granite and pink colored granite, 10-20cm interval **fresh granite**: dark gray to gray, hornblende - biotite granite, medium grained. 163.8-167.0m: chlorite + epidote vein, w=2-5cm, ∠20-70deg. **pink colored granite**: K-feldspar shows reddish pink color, plagioclase changes to epidote, with epidote stringers, with chlorite stringers, with quartz + pyrite stringers, with calcite stringers (∠20 to ∠80deg., w=0.5-2mm), most of mafic minerals change to chlorite, pyrite dissemination is weak, less the 1% 158.5-159.2m & 163.5-164.0m: red colored granite, potassic alteration??	0	0	0	0	0								
		0	0	0	0	0								
		0	0	1	1	1		150.0 - 153.0	70	0.2	26.0	16.0	52.0	40.0
		0	0	1	1	1								
		0	0	1	1	1								
		0	0	1	1	1		153.0 - 156.0	50	<0.1	34.0	14.0	59.0	<2.0
		0	0	1	1	1								
		0	0	1	1	1								
		0	0	1	1	1		156.0 - 159.0	40	0.2	67.0	16.0	54.0	54.0
160		0	0	1	1	1								
		0	0	0	1	1								
		0	0	0	0	0		159.0 - 162.0	30	<0.1	19.0	14.0	56.0	<2.0
		0	0	0	0	0								
		0	1	1	1	1								
		0	0	1	1	1		162.0 - 165.0	60	<0.1	26.0	12.0	50.0	52.0
		0	0	0	0	0								
		0	0	0	0	0								
169.3	**169.3-176.6m**: fresh granite, medium grained, ø 3-4mm, feldspar >> quartz, biotite, hornblende 172.6m: chloritized & slightly silicified band, w=5cm, ∠35deg.	0	0	1	1	1		165.0 - 168.0	40	<0.1	47.0	12.0	66.0	<2.0
		0	0	0	0	0								
		0	0	0	1	1								
170		0	0	0	0	0		168.0 - 171.0	50	<0.1	82.0	18.0	69.0	<2.0
	176.6-180.2m: dark gray to dark green colored, strongly silicified rock, with chloritization & epidotization, with pyrite >> chalcopyrite dissemination 177-178.3m: quartz + pyrite vein, ∠70deg., w=1-3cm, total amount of sulfide is 2%±	0	0	0	0	0								
		0	0	0	0	0								
		0	0	0	0	0		171.0 - 174.0	50	<0.1	22.0	15.0	57.0	<2.0
		0	0	0	0	0								
176.6		0	0	0	0	0								
	180.2-184.5m: chloritized granite with pyrite stringers and chlorite + pyrite stringers (∠70deg., w=2-3cm interval) 180.9-181.2m & 182.4-182.8m: strongly silicified & strongly chloritized zone, with weak dissemination of pyrite	1	2	1	3	1		174.0 - 177.0	140	5.4	146.0	324.0	305.0	11.0
		2	3	1	3	1								
		1	3	1	3	1								
180		2	3	1	3	1		177.0 - 180.0	80	3.4	183.0	187.0	270.0	23.0
180.2		1	1	1	2	1								
	184.5-186.0m: dark gray to dark green, strongly chloritized, epidotized & silicified rock with dissemination of pyrite >> chalcopyrite,with quartz + pyrite veinlets (∠70-75deg., w=2-8mm,5cm±interval)	1	1	1	2	1								
		0	2	1	2	1		180.0 - 183.0	60	0.4	147.0	36.0	237.0	16.0
184.5		0	0	1	2	1								
	186.0-188.7m: medium grained granite, with minor quartz veinlets (w=3mm±, ∠85deg.), with chlorite stringers (∠90deg.), sulfide dissemination is very weak	1	1	1	2	1								
186.0		1	2	1	2	1		183.0 - 186.0	50	<0.1	83.0	16.0	131.0	34.0
		0	0	0	1	1								
	188.7-189.5m, 194.9-195.7m: fractured zone with weak epidotization and argillization (cracky core of ø 2-3cm), with minor chlorite films	0	0	0	1	1								
188.7		0	0	0	1	1		186.0 - 189.0	30	0.2	48.0	16.0	67.0	18.0
189.5		0	0	1	1	0								
190	**189.5-199.0m**: light gray, fresh, hornblende - biotite granite, medium grained pink colored altered bands (w=3-10cm, ∠35deg. to 55deg., 20-70cm interval), include a lot of epidote and chlorite pools with a lot of epidote veinlets & chlorite veinlets, 5-10cm interval	0	0	1	1	1								
		0	0	1	1	1		189.0 - 192.0	50	<0.1	22.0	14.0	56.0	20.0
		0	0	1	1	1								
		0	0	1	1	1								
194.9		0	0	1	1	1		192.0 - 195.0	40	0.2	30.0	17.0	53.0	26.0
195.7	**199.0-200.2m**: chlorite + pyrite + epidote network in pink colored granite, mafic minerals change to chlorite, most of plagioclase change to epidote	0	0	1	1	1								
		0	0	1	1	1								
		0	0	1	1	1		195.0 - 198.0	30	<0.1	27.0	34.0	73.0	<2.0
199.0	**200.2-208.0m**: light gray, medium grained, biotite - hornblende granite (granodiorite?) 202.2m: quartz + chlorite + pyrite veinlets, w=2mm, ∠75deg. 202.7-203.0m: quartz + chlorite + pyrite veinlets, w=1-3mm, ∠80deg. 205.6m: chlorite + pyrite stringers, 2-3cm interval, with pyrite dissemination	0	0	1	1	1								
		1	0	1	3	3								
200		0	0	0	1	1		198.0 - 201.0	30	<0.1	17.0	20.0	66.0	<2.0
200.2		0	0	0	0	0								
		0	0	0	0	0								
		0	0	0	1	1		201.0 - 204.0	50	0.2	36.0	14.0	53.0	<2.0
	208.0-210.9m: a lot of chlorite stringers, with quartz + pyrite + molibdenite + (chalcopyrite) stringers, with quartz + chlorite + pyrite, with chlorite + pyrite veinlets, ∠75deg.±, ∠20deg.±, ∠50deg.±, w=1-3mm pyrite dissemination with traces of chalcopyrite	0	0	0	0	0								
		1	0	0	0	0								
		0	0	0	1	1		204.0 - 207.0	30	0.8	35.0	37.0	49.0	13.0
208.0		0	0	0	0	0		207.0 - 208.0	30	0.2	37.0	19.0	96.0	<2.0
		1	0	0	1	0								
		1	0	0	1	0		208.0 - 210.0	120	0.8	123.0	23.0	224.0	25.0

Appendix 5 Log of the Drill Hole "MJTA-5" (4/5)

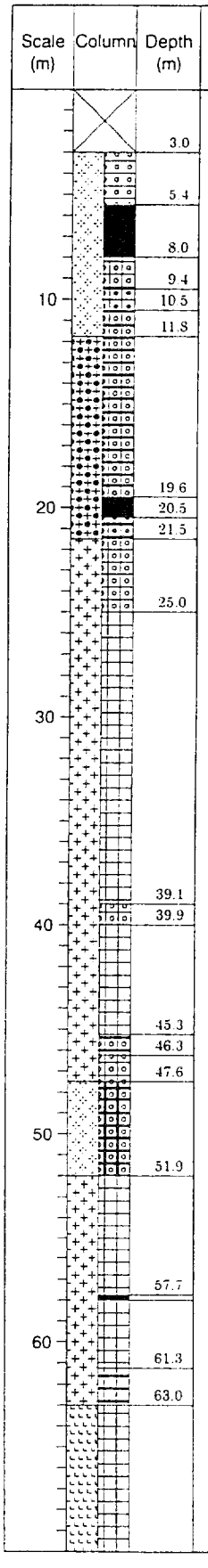


Description	Sulfidation	Silicifica	Argiliza	Chloritiza	Epidotiza	Examined Sample	Assay Interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
210.9-211.6m: strongly silicified rock with chlorite network, with pyritecmolibdenite + (chalcopyrite?) dissemination 210.9m: quartz + pyrite + molibdenite vein, ∠70deg., w=1.5cm	2	1	0	1	0		210.0 - 211.0	110	0.8	134.0	29.0	104.0	26.0
	2	3	0	2	2								
	2	3	0	3	2								
	3	3	2	3	3		211.0 - 214.0	130	1.0	192.0	53.0	132.0	26.0
211.6-212.5m: pyrite stringers (∠60-80deg., 1-3cm interval), country rock is fresh granite	1	0	0	2	0								
	1	0	0	2	0								
212.5-213.9m: strongly silicified & chloritized rock with quartz + pyrite veinlets, with pyrite stringers with pyrite dissemination, total amount of pyrite is 2-3%	1	0	0	2	0		214.0 - 217.0	100	0.2	365.0	20.0	89.0	81.0
	1	0	0	2	0								
	1	0	0	2	0	5-219.6 P1	217.0 - 219.0	120	0.4	289.0	26.0	71.0	37.0
213.9-218.9m: pyrite stringers & chlorite stringers, 2-3cm interval, pyrite dissemination is weak, total amount of pyrite = 1% ±, mafic minerals change to chlorite	3	3	0	3	2		219.0 - 220.0	280	14.0	2064.0	1060.0	403.0	85.0
	2	3	2	3	2		220.0 - 221.0	200	3.4	388.0	279.0	120.0	695.0
	2	3	1	3	2		221.0 - 222.0	100	0.2	119.0	41.0	87.0	27.0
	3	3	2	3	2		222.0 - 223.0	100	0.8	296.0	40.0	91.0	20.0
218.9-222.7m: strongly silicified rock with pyrite dissemination, with quartz + chalcopyrite + molibdenite veins & veinlets, ∠70-80deg., w=2-25mm dark gray colored clay veins occur along open fractures and along quartz veins	1	1	1	2	0								
	0	0	0	1	0								
	1	0	0	0	0		223.0 - 226.0	100	0.4	166.0	31.0	132.0	8.0
	0	0	0	0	0								
	0	0	0	1	0								
222.7-225.6m: pyrite stringers (∠75 to ∠80deg., 1-3cm interval), with weak pyrite dissemination	0	0	0	1	1		226.0 - 229.0	140	0.6	280.0	35.0	175.0	49.0
	0	0	0	2	1								
225.5-228.4m: light gray, hornblende - biotite granite, fresh 227-227.5m: quartz + pyrite veinlets (w=2mm, ∠85deg., 2cm interval), with traces of chlorite stringers, ∠60deg.	0	0	0	2	1								
	0	0	0	0	0		229.0 - 232.0	140	<0.1	110.0	18.0	82.0	4.0
	1	0	0	1	0								
	1	0	0	1	0		232.0 - 234.0	110	0.6	189.0	25.0	71.0	108.0
228.4-230.9m: pink colored granite, mafic minerals change to chlorite, with a lot of chlorite stringers (2-3cm interval)	1	0	0	1	0		234.0 - 235.0	90	0.6	141.0	20.0	72.0	452.0
	0	0	0	0	0								
	0	0	0	1	0								
230.9-235.8m: quartz + pyrite + molibdenite veinlets, w=5-8mm, ∠70 to ∠85deg.	0	0	0	1	0		235.0 - 238.0	100	0.6	184.0	30.0	90.0	7.0
	0	0	0	1	1								
235.8-236.2m: chloritized & epidotized zone, ∠20deg. ±, w=30cm	0	0	0	1	0								
	0	0	0	1	0		238.0 - 241.0	130	0.4	202.0	19.0	67.0	<2.0
236.2-246.2m 237.5m: chlorite stringer ∠85deg. 238.1m: chlorite + pyrite stringer ∠85deg. 241.2m: chloritized and silicified band, ∠20deg., w=3cm,with weak pyrite dissemination 242-244.5: quartz + pyrite veinlets, w=2mm, ∠70-90deg., with pyrite dissemination 245.2m: strongly chloritized and silicified zone with pyrite + (chalcopyrite) dissemination 246.0m: quartz + pyrite + (chalcopyrite) veinlets, w=2mm, ∠65deg.	0	1	0	2	1								
	0	0	0	1	0								
	0	0	0	1	0		241.0 - 244.0	90	1.4	152.0	23.0	119.0	6.0
	1	1	0	1	0								
	0	0	0	1	1		244.0 - 247.0	120	0.8	108.0	30.0	96.0	6.0
	0	1	0	1	1								
	0	0	0	1	1								
	0	0	0	1	1		247.0 - 250.0	112	0.8	140.0	26.0	71.0	6.0
246.2-258.3m: fresh granite including alteration bands (w=1cm to 5cm, including epidote, pink feldspar & chlorite), 50-100cm interval 248.5m-251.0m: quartz + pyrite veinlets, ∠70-85deg., w=2mm ±, 3-5cm interval, with pyrite dissemination 251.8m: chlorite veinlets, horizontal, with silicification, width=2cm 252.0-254.8m: quartz + pyrite + (molibdenite) veinlets, 3-7cm interval, ∠70-80deg., w=2mm ±, with small amount of chalcopyrite 255.5-258.3m: quartz-pyrite-(molibdenite) stringers and veinlets, ∠70deg. ±, w=1-2mm, 5-6cm interval	1	0	0	1	1								
	0	0	0	1	1								
	1	1	0	1	1		250.0 - 253.0	100	1.8	146.0	82.0	209.0	19.0
	0	1	0	1	1								
	1	0	0	0	0								
	0	0	0	1	1		253.0 - 256.0	11	0.8	159.0	33.0	164.0	<2.0
	1	1	0	0	0								
	1	1	0	0	0								
258.3-259.4m: dense network of chlorite & epidote, plagioclase changes to epidote, mafic minerals change to chlorite, with weak dissemination of pyrite & chalcopyrite	1	0	1	3	3		256.0 - 259.0	10	1.2	90.0	45.0	163.0	27.0
	1	0	1	2	2								
	1	0	0	0	0								
	0	0	0	1	1		259.0 - 262.0	90	0.8	66.0	20.0	74.0	16.0
259.4-265.8m 260.5-261.0m: a lot of pyrite stringers 262.8-263m: quartz + pyrite + (molibdenite) stringers and pyrite + chlorite stringers, 3cm interval 264-265.8m: quartz + pyrite + (molibdenite) stringers, 1-5cm interval, ∠70-80deg.	1	0	0	1	1								
	0	0	0	1	1								
	1	0	0	0	0		262.0 - 265.0	20	1.6	85.0	44.0	175.0	7.0
	1	0	0	0	0								
	3	2	0	0	0								
	3	2	0	0	0		265.0 - 268.0	10	1.2	152.0	41.0	185.0	19.0
265.8-267.5m: silicified rock with a lot of quartz + pyrite veinlets, including a small amount of molibdenite	0	0	0	1	1								
	1	0	0	1	1								
267.5-273.3m: 268.0-269.0m: quartz + pyrite veinlets in slightly epidotized granite, ∠75deg., w=2mm ± 269.5-273.3m: a lot of pyrite stringers and quartz + pyrite veinlets, ∠65-80deg.	1	0	0	1	1		268.0 - 271.0	10	2.2	231.0	85.0	98.0	9.0
	1	0	0	1	1								
	1	0	0	1	1								
	0	0	1	3	2		271.0 - 274.0	10	1.4	268.0	131.0	107.0	94.0
273.3-282.2m: pink colored, strongly chloritized and epidotized granite, with chlorite veinlets, with epidote veinlets, with minor calcite veinlets, with epidotized bands (∠20deg., w=5cm ±) at 275-281.5m 278m: quartz veinlets ∠75deg., w=3mm 280.5m: molibdenite + pyrite stringers, ∠80deg., w=1-2mm	0	0	1	3	2								
	0	0	1	3	2								
	0	0	1	3	2		274.0 - 277.0	10	3.2	98.0	542.0	66.0	12.0
	0	0	1	3	2								
	0	0	1	3	2	5-280.0 P							
	0	0	1	3	2		277.0 - 280.0	10	1.2	59.0	28.0	85.0	59.0

Appendix 5 Log of the Drill Hole "MJTA-5" (5/5)

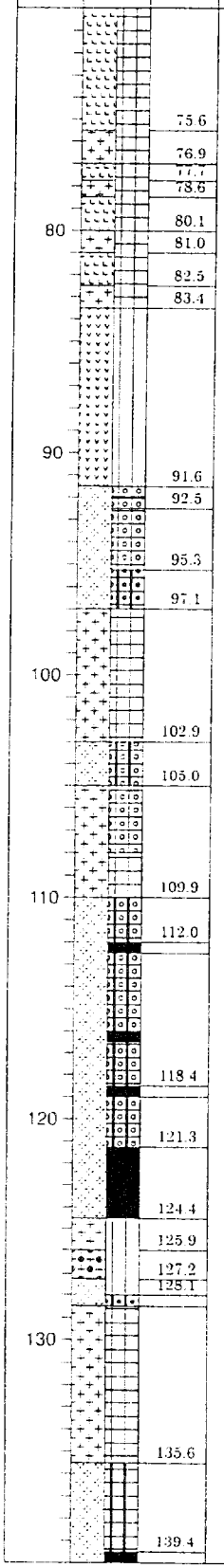
Scale (m)	Column	Depth (m)	Description	Sulfidation	Silicifica.	Argiliza.	Chloriliza.	Epidotiza.	Examined Sample	Assay Interval	Assay results Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
		282.2	**282.2-287.7m**: light gray, hornblende - biotite granite with alteration bands(w=3-4cm, ∠30-60deg.) of epidote + pink feldspar, with traces of pink colored calcite veinlets (∠65 to ∠70deg., w=2-4mm)	1	0	1	3	2								
				0	0	1	3	2								
				0	0	0	1	1		280.0 - 283.0	10	0.4	58.0	25.0	77.0	80.0
				0	0	0	1	1								
				0	0	0	1	1								
				0	0	0	1	1		283.0 - 286.0	10	1.0	64.0	22.0	91.0	13.0
				0	0	0	1	1								
				0	0	0	1	1								
		287.7		0	0	2	2	2								
			290.3-294.4m: pinkish light gray colored, hornblende - biotite granite, with minor epidote veinlets & minor chlorite veinlets, 50-100cm interval	0	0	2	2	2		286.0 - 289.0	10	2.8	33.0	20.0	98.0	96.0
			291.4m: quartz + pyrite stringers, ∠75deg	0	0	1	0	0								
				0	0	0	1	1								
				0	0	0	1	0		289.0 - 292.0	20	2.0	59.0	20.0	104.0	<2.0
				0	0	0	0	1								
		294.4		1	2	0	3	0								
		295.8	**294.4-295.8m**: silicified zone with a lot of chlorite stringers(∠20deg.), pyrite dissemination is weak	1	2	0	2	0		292.0 - 295.0	10	0.4	15.0	15.0	65.0	29.0
				0	0	1	3	1								
			295.8-300.0m: pink colored granite with chlorite + epidote network, with minor veinlets of calcite	0	0	1	3	1		295.0 - 298.0	10	1.0	18.0	19.0	60.0	11.0
				0	0	1	3	1								
		300.0		0	0	1	3	1		298.0 - 301.0	10	0.4	12.0	15.0	80.0	33.0

Appendix 6 Log of the Drill Hole "MJTA-6" (1/4)



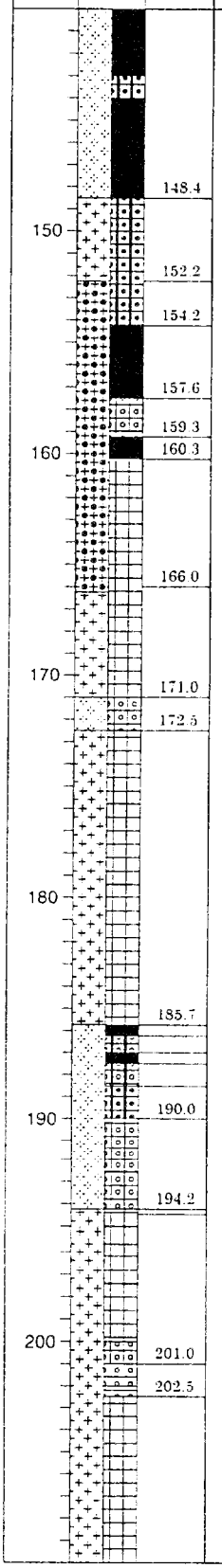
Description	Sulfidation	Silicifica.	Argiliza.	Chloritiza.	Epidotiza.	Examined Sample	Assay Interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
0.0-3.0m: brown colored surface soil,with a lot of pebbles of weathered rock (ϕ 3-10cm)	-	-	-	-	-								
	-	-	-	-	-								
3.0-5.4m: reddish brown colored porphyritic rock, with hematite network,with minor veinlets of quartz, weakly silicified	-	-	-	-	-								
4.5m: gossan, w=10cm	-	1	2	-	-		0.0 - 3.5	10	<0.10	88.0	6.3	31.5	<2.0
5.4-8.0m: light gray to pale brown colored, strongly silicified rock, with dense network of hematite, original rock texture is completely destroyed by strong alteration	-	1	2	-	-								
	-	3	1	1	1		3.5 - 6.0	10	0.4	40.0	5.5	11.5	<2.0
	-	3	1	1	1								
	-	3	1	1	1								
	-	2	2	1	-		6.0 - 9.0	10	0.1	44.0	7.0	10.5	<2.0
8.0-9.4m: argillized & weakly silicified rock with dense network of hematite	-	3	1	1	1								
	-	2	2	1	1								
9.4-10.5m: strongly silicified rock with dense network of hematite	-	2	3	-	1		9.0 - 12.0	20	0.6	52.5	7.7	16.5	<2.0
	-	1	3	-	1								
10.5-11.8m: reddish brown to dark brown colored, hematite-rich rock, with dense networkof hematite, with dissemination of hematite	-	2	3	-	1								
	-	2	3	-	1		12.0 - 15.0	20	0.2	30.0	17.8	23.0	<2.0
	-	2	3	-	1		15.0 - 16.0	20	0.9	44.5	21.5	33.0	<2.0
11.8-19.6m: yellowish brown to brownish gray colored porphyry, with dense network of hematite - limonite, with strong dissemination of hematite-limonite, original rock texture is unclear,with minor quartz veins (ex.13.4m, w=3cm, $\angle$60deg.)	-	1	3	-	1		16.0 - 17.0	50	0.2	49.5	10.4	22.0	7.0
	-	1	3	-	1		17.0 - 18.0	50	6.5	44.5	7.4	38.0	<2.0
	-	2	3	-	1		18.0 - 19.0	40	0.3	36.5	6.4	26.0	<2.0
plagioclase phenocrysts are replaced by white clay or pale green colored mineral	2	3	2	-	1	6-20.8	19.0 - 20.0	60	0.5	33.5	6.6	25.0	2.0
	2	3	2	-	-	X	20.0 - 21.0	30	0.5	27.5	8.4	14.0	19.0
	-	2	3	-	1								
19.6-20.5mclight gray, strongly silicified rock with pyrite dissemination (total amount of sulfide = 2% $\pm$), with hematite network, with hematite dissemination	1	1	2	2	1								
	1	1	2	2	0		21.0 - 24.0	20	0.1	37.0	6.9	34.0	<2.0
transition zone between oxide zone and sulfide zone	2	1	2	2	0								
21.5m-25.0m: pinkish light gray to pale green, porphyritic granite, with chlorite stringers & pyrite stringers, with weak dissemination of pyrite, with traces of quartz veinlets, cracky core (ϕ 2-5cm)	0	0	1	2	1								
	0	0	1	2	0		24.0 - 27.0	10	0.4	28.5	9.4	43.5	<2.0
	0	0	1	2	0								
	1	0	1	2	0								
25.0m-39.1m: pink gray colored, medium to fine grained (porphyritic) granite, fracture-rich, cracky core(ϕ 2-5cm), strongly chloritized, with weak dissemination of pyrite, with a large quantity of chlorite stringers (1-5cm interval), with a lot of pyrite stringers, with weak dissemination of pyrite, mafic minerals are replaced by chlorite, plagioclase is replaced by white clay	1	0	1	2	0		27.0 - 30.0	10	<0.10	22.0	3.7	70.0	<2.0
	0	0	1	2	0								
	0	0	1	2	0								
	0	0	1	2	0		30.0 - 32.7	43	<0.10	20.0	11.6	55.8	<2.0
	0	0	1	2	1								
36.0m: quartz + pyrite veinlets, $\angle$60deg , w=3mm	0	0	1	2	1		32.7 - 36.0	50	<0.10	24.0	16.2	60.6	<2.0
39.1-39.9m: light gray, slightly silicified porphyritic granite, with minor stringers of pyrite (interval 10cm $\pm$)	1	0	1	2	1								
	0	0	1	2	1								
	0	0	1	2	1		36.0 - 39.0	50	<0.10	24.0	9.6	55.8	<2.0
39.9-45.3m: pinkish light gray colored granite, plagioclase changes to epidote & white clay, mafic minerals change to chlorite	0	1	1	1	0								
with chlorite network, with quartz + pyrite veinlets (20cm interval, $\angle$80deg.), partly silicified, with weak dissemination of pyrite	1	0	1	2	1								
	0	0	1	2	1		39.0 - 42.0	<10	<0.10	30.0	12.8	57.6	<2.0
	1	0	1	2	1								
45.3-46.3m: greenish gray, strongly argillized rock with a lot of quartz + chlorite + clay veinlets ($\angle$90-70deg , 5mm interval)	1	0	1	2	1								
	1	1	1	2	1		42.0 - 45.0	23	<0.10	30.0	11.0	58.4	<2.0
	2	2	3	2	2								
47.6-51.9m: strongly altered rock, strongly chloritized, epidotized, argillized rock, with pyrite dissemination, partly silicified	1	1	2	2	2								
	3	2	3	3	3	6-49.2	45.0 - 48.0	23	0.8	36.0	152.6	229.8	<2.0
with druses (inside: coarse grained quarts crystals) original rock texture is completely destroyed	3	2	3	3	3	PTX1	48.0 - 49.0	30	<0.10	78.0	191.6	81.2	<2.0
with minor veinletsof quartz	3	2	3	3	3		49.0 - 50.0	27	4.4	360.0	839.6	288.0	7.0
	1	1	1	3	3		50.0 - 51.0	17	1.2	59.5	79.4	99.2	<2.0
51.9-57.7m: pinkish gray to greenish gray, granite, with chlorite + pyrite stringers (3-5cm interval), mafic minerals change to chlorite, plagioclase changes to white clay & epidote	3	2	3	3	3		51.0 - 52.0	23	0.8	46.0	108.6	98.6	<2.0
with weak dissemination of pyrite	1	0	1	2	1								
	0	0	1	2	1								
	1	0	1	2	1		52.0 - 55.0	17	0.8	26.0	14.0	73.2	<2.0
57.7-58.0m: strongly silicified rock with veins of quartz + chlorite + pyrite (w=5cm, $\angle$80deg.) with pyrite stringers with pyrite dissemination	0	0	1	2	1								
	1	0	1	2	1								
	1	3	1	2	1		55.0 - 58.0	10	<0.10	24.0	11.4	60.4	<2.0
58.0-61.3m: same to 51.9-57.7m	1	0	1	2	1								
59.5-60.0m: pyrite + quartz veinlets (w=3mm, $\angle$ 70deg.)	1	0	1	2	1								
	0	0	1	2	1		58.0 - 61.0	20	0.2	24.0	9.6	57.8	<2.0
61.3-63.0m: greenish light gray, altered granite, plagioclase & K-feldspar are altered to white clay, mafic minerals are altered to chlorite & epidote	3	0	3	1	1		61.0 - 62.0	20	0.4	18.0	15.6	60.2	<2.0
	3	0	1	2	1		62.0 - 63.0	17	0.2	38.0	15.2	63.4	<2.0
with strong dissemination of pyrite, with clay stringers(1-2cm interval)	0	0	1	1	0								
	0	0	1	1	0								
	0	0	1	1	0								
63.0-75.6m: weakly chloritized dacite dyke, greenish light gray, very fine grained, glassy, with biotite phenocrysts (ϕ 0.5mm $\pm$), with a lot of holes (ϕ 3-5mm)	0	0	1	1	0		63.0 - 67.0	<10	<0.10	4.0	7.6	125.4	<2.0
	0	0	1	1	0								
no mineralization	0	0	1	1	0								
	0	0	1	1	0								

Appendix 6 Log of the Drill Hole "MJTA-6" (2/4)



Description	Sulfidation	Silicifica.	Argiliza	Chloritiza	Epidotiza	Examined Sample	Assay Interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
75.6-82.5m: medium grained granite and dacite dyke medium grained granite: mafic minerals are altered to chlorite, plagioclase is altered to epidote and white clay, with pyrite dissemination, total amount of pyrite = 1-2%, with chlorite and pyrite stringers (2-5cm interval) dacite dyke: fine grained, no-mineralization, ∠15deg to ∠75deg.	0	0	1	1	0								
	0	0	1	1	0								
	0	0	1	1	0								
	0	0	1	1	0		67.0 - 71.0	10	<0.10	32.0	8.4	111.2	<2.0
	0	0	1	1	0								
	1	0	1	1	0		71.0 - 74.0	13	<0.10	18.0	7.2	76.2	<2.0
82.5-83.4m: white, strongly argillized granite, with weak dissemination of pyrite	2	0	1	1	1								
	0	0	1	1	0		74.0 - 77.0	23	1.8	168.0	18.0	73.2	<2.0
	1	0	1	1	1								
83.4-91.55m: dark green colored, fine grained, chloritized andesite dyke, with chlorite stringers, rarely traces of pyrite grains are locally found, with minor stringers of chlorite + pyrite, with minor stringers of quartz stringers	0	0	1	1	0								
	2	0	2	1	1		77.0 - 80.0	27	3.8	62.0	14.8	81.0	<2.0
	0	0	1	1	0								
	1	0	2	1	1		80.0 - 83.0	33	1.6	50.0	10.0	74.2	2.0
91.55-92.5m: strongly argillized rock, greenish light gray colored, with pyrite disseminationw, with a lot of chlorite stringers	1	0	2	1	1								
	0	0	0	1	0								
	0	0	0	1	0		83.0 - 86.0	<10	1.0	32.0	8.8	87.6	<2.0
92.5-95.3m: greenish pale gray, weakly silicified & chloritized rock, with a lot of pyrite stringers, with minor veinlets of quartz + pyrite	0	0	0	1	0								
	0	0	0	1	0								
	0	0	0	1	0		86.0 - 89.0	<10	4.2	40.0	24.2	94.2	<2.0
95.3-97.1m: greenish gray, strongly silicified, chloritized & epidotized rock, with quart-pyrite veinlets, with pyrite dissemination	0	0	0	1	0								
	0	0	0	1	0								
	1	1	3	2	1		89.0 - 92.0	17	0.4	34.0	20.8	86.4	<2.0
97.1-102.9m: pink colored granite, with stringers of pyrite + chlorite (10cm interval), with weak dissemination of pyrite 101.9m: quartz + pyrite + chlorite veinlets, ∠75deg., w=4-5mm	1	1	3	2	1								
	2	1	2	2	1								
	2	1	2	2	1		92.0 - 95.0	20	2.2	18.0	22.8	81.0	<2.0
	4	3	2	3	3	6-96. 7 PTX	95.0 - 96.0	40	0.8	60.0	85.0	75.2	<2.0
102.9-105.0m: green colored, silicified & chloritized rock, with pyrite dissemination, with a lot of quartz + pyrite stringers, locally quartz + pyrite network are found 103.0m: quartz + pyrite veinlets, ∠50deg., w=3mm 104.0m: quartz + pyrite veinlets, ∠50deg., w=3mm 104.7m: quartz veinlets, ∠70deg., w=2cm	4	3	2	3	3		96.0 - 97.0	47	1.4	54.0	80.4	72.0	<2.0
	1	0	1	2	1								
	0	0	1	2	1								
	0	0	1	2	1		97.0 - 100.0	20	0.6	34.0	38.6	65.4	<2.0
105.0-109.9m: slightly silicified & argillized granite, mafic minerals are altered to chlorite, with chlorite + pyrite veinletsinterval 2-5cm) 106.8m: quartz + pyrite vein, ∠75deg., w=2cm	0	0	1	2	0								
	0	0	1	2	0								
	1	0	1	2	0		100.0 - 103.0	30	5.6	32.0	48.6	89.4	<2.0
	2	2	1	3	1								
	2	2	1	3	1								
	1	1	1	2	1		103.0 - 106.0	33	1.0	72.0	33.6	71.4	<2.0
109.9-112.0m: strongly chloritized, strongly epidotized, weakly argillized, weakly silicified rock, with dense dissemination of pyrite, with network of pyrite	2	1	1	2	1								
	1	1	1	2	1								
	0	0	1	2	1		106.0 - 109.0	23	0.6	36.0	39.2	63.4	<2.0
112.0-112.5m: strongly silicified rock with quartz veins (∠75deg., w=15cm)	0	0	1	2	1								
	2	1	1	3	3								
112.5-118.4m: strongly chloritized, strongly epidotized, slightly argillized, weakly silicified rock, with dense network of pyrite + chlorite 116.4-116.7m: strongly silicified rock with pyrite dissemination	2	2	1	3	3		109.0 - 112.0	43	0.8	40.0	18.4	60.2	<2.0
	3	3	0	1	0		112.0 - 113.0	33	30.4	24.0	20.2	45.2	<2.0
118.4-119.1m: light gray, strongly silicified rock with dense dissemination of pyrite	1	1	0	3	3								
	1	1	0	3	3		113.0 - 116.0	37	0.6	34.0	12.4	77.2	<2.0
119.1-121.3m: greenish gray, strongly chloritized and epidotized rock, with minor veinlets of quartz, with pyrite stringers	2	3	0	3	3								
	1	1	0	3	3								
	3	3	0	1	0		116.0 - 119.0	37	18.4	166.0	33.6	44.8	<2.0
121.3-124.4m: light gray, strongly silicified rock with dense dissemination of pyrite, with a lot of quartz + pyrite stringers(network), with minor veinlets of pyrite + quartz (∠80deg., w=3-5mm)	2	3	0	1	0								
	1	1	1	3	2		119.0 - 121.0	37	1.6	48.0	221.0	65.2	<2.0
	3	3	0	1	2								
	3	3	0	1	2		121.0 - 123.0	23	1.6	20.0	14.0	56.2	<2.0
124.4-128.1m: pink colored granite, mafic minerals are replaced by epidote and chlorite, with stringers of chlorite, with stingers of chlorite + pyrite (3-5cm interval) 125.9-127.2m: granite porphyry with weak dissemination of pyrite	3	3	0	1	2		123.0 - 124.0	67	4.6	152.0	818.0	66.8	<2.0
	2	3	0	1	2								
	0	0	0	1	1								
	1	0	0	1	1		124.0 - 127.0	37	2.8	66.0	15.6	48.0	<2.0
	1	0	0	1	1								
128.1-128.6m: strongly silicified rock, with strong dissemination of pyrite, with veinlets & stringers of pyrite + quartz (∠75deg. - ∠90deg.)	3	3	0	2	2								
	0	0	1	2	1		127.0 - 130.0	47	1.2	120.0	24.8	57.2	<2.0
128.6-135.6m: pink colored granite, mafic minerals are replaced by chlorite, plagioclase changes to epidote + white clay. with chlorite stringers (3-5cm interval), with stringers of chlorite + pyrite (10cm interval)	0	0	1	2	1								
	0	0	1	2	1								
	0	0	1	2	1		130.0 - 133.0	23	1.6	152.0	36.4	71.0	<2.0
	0	0	1	2	1								
	0	0	1	2	1								
135.6-139.4m: green colored granite with dense network of chlorite (interval 2-4cm), and with stringers of pyrite + chlorite,with minor veinlets of quartz + pyrite, pyrite dissemination is weak	1	0	1	3	1		133.0 - 136.0	23	3.2	120.0	37.0	74.0	<2.0
	1	0	2	3	2								
	1	0	1	3	1								
	1	0	2	3	2		136.0 - 139.0	40	0.8	56.0	20.8	63.4	<2.0
	1	1	1	3	1								

Appendix 6 Log of the Drill Hole "MJTA-6" (3/4)



139.4-148.4m: light gray to pale greenish gray, strongly silicified rock, original rock texture is destroyed, alteration mineral assemblage = quartz >> pyrite >> minor chlorite > minor epidote, white clay
with a lot of stringersof pyrite (interval: 0.5-1cm), with pyrite dissemination with minor veins of quartz + pyrite(∠65deg - ∠70deg., w=2-3cm)

148.4-152.2m: greenish gray, silicified, chloritized & epidotized granite with stringers of pyrite + chlorite, with veinlets of quartz + pyrite, with stringers of pyrite, with pyrite dissemination, original rock texture is clear
(149-151m, w=3cm ±)

152.2-154.2m: pale green colored, silicified & chloritized porphyry, contains a lot of plagioclase phenocryst (ø 3-4mm), with pyrite disseminations, with chlorite + pyrite, quartz + pyrite stringers (1-3cm interval), partly network

154.2-157.6m: pale green to light gray, strongly silicified rock with pyrite dissemination, with quartz + pyrite network, with pyrite stringers, with quartz veinlets, with chalcopyrite + quartz vein

157.6-159.3m: chloritized, epidotized & slightly silicified rock, with minor quartz veinlets, with pyrite dissemination, total amount of pyrite is 2% ±

159.3-160.3m: light gray, strongly silicified rock with pyrite stringers (1cm interval)

160.3-166.0m: chloritized and epidotized rock, greenish gray colored, with chlorite stringers, with chlorite + pyrite stringers (2-5mm interval), with minor alteration bands of pink feldspar

166.0-171.0m: chloritized & epidotized granite, with chlorite + pyrite stringers (5-10cm interval), with weak pyrite dissemination (0.5%)
166.1-168.4m: strongly silicified rock with pyrite dissemination

171.0-172.5m: quartz + chlorite + pyrite vein, ∠ 55deg., w=0.5-3cm
country rock: strongly epidotized and chloritized rock

172.5-185.7m: pink colored, weakly chloritized, weakly epidotized, weakly argillized granite, with chlorite + pyrite stringers (∠90deg. to ∠70deg., 5-10cm interval), rarely traces of quartz + pyrite veinlets (∠70deg., w=0.5-1cm) occur, with pyrite dissemination = 0.5% ±

185.7-186.2m: strongly silicified strongly epidotized, chloritized rock with strong pyrite dissemination, original rock texture is destroyed, total amount of sulfide = 3%

186.2-187.1, 187.5-188.6m: strongly chloritized, strongly epidotized, weakly silicified rock with chlorite + pyrite stringers, with quartz stringers (2-5mm interval)

187.1-187.5m: strongly silicified rock with quartz + pyrite vein (w=5cm, ∠75deg.)

188.6-190.0m: silicified, epidotized and chloritized rock, original rock texture is destroyed by strong alteration, with quartz veins (w=2cm, ∠65deg.), with brecciated structure

190.0-194.2, 194.5-201m: pale green colored rock, with chlorite + pyrite network, with chlorite stringers (∠ 80deg - ∠60deg., w=1-3cm), with minor veinlets of quartz + pyrite, with pyrite dissemination =1%, mafic minerals are replaced by chlorite, plagioclase is replaced by epidote

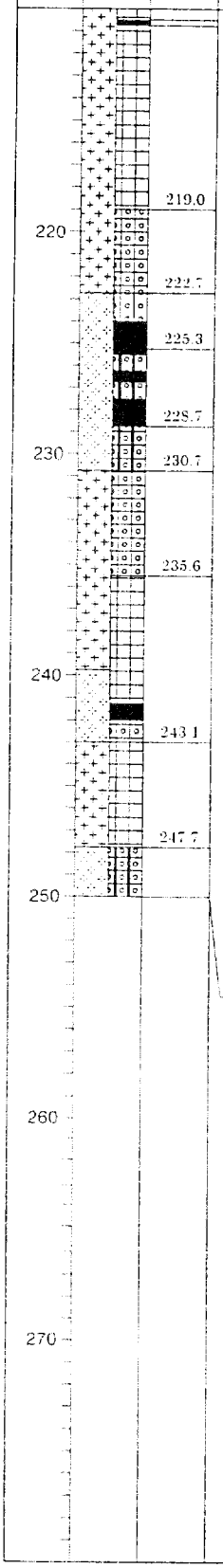
194.2-194.5m: fine grained porphyritic granite, dyke?, ∠70deg.

201.0-202.5m
201.5m: quartz + pyrite vein, ∠60deg., w=1cm
202.0-202.5m: white, granodiorite?, with strong dissemination of pyrite, total amount of pyrite = 5%!', no chloritization, no epidotization

202.5-210.5m: pink colored granite with stringers of chlorite + quartz, quartz + pyrite, epidote + pyrite (0.5-3cm interval, ∠70deg. - ∠40deg.,) total amount of pyrite = 1% ±, mafic minerals are replaced by chlorite, plagioclase is replaced by white clay and epidote

Sulfidation	Silicifica.	Argiliza	Chlorniza	Epidotiza.	Examined Sample	Assay Interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
2	3	1	0	1								
3	3	1	1	2		139.0 - 142.0	67	0.2	80.0	17.4	39.0	<2.0
3	3	1	1	2		142.0 - 143.0	50	<0.10	112.0	18.0	41.2	<2.0
3	3	2	3	2	6-145.0 I	143.0 - 144.0	43	0.6	72.0	12.8	42.8	<2.0
3	3	0	1	0		144.0 - 145.0	147	2.0	66.0	130.2	35.8	<2.0
3	3	0	2	2		145.0 - 146.0	93	0.1	95.0	12.0	40.0	<2.0
3	3	0	1	1		146.0 - 147.0	347	0.4	94.0	25.6	36.2	<2.0
3	3	0	2	2		147.0 - 148.0	137	<0.10	66.0	12.2	36.4	<2.0
1	2	0	3	2								
3	3	1	2	1	6-151.0 PT							
3	2	1	2	2		148.0 - 151.0	27	0.4	54.0	10.8	42.4	<2.0
3	2	1	2	2	6-153.0 PT	151.0 - 152.0	47	0.2	84.0	15.8	50.2	<2.0
3	3	1	2	1		152.0 - 153.0	40	0.6	52.0	12.6	64.8	<2.0
3	3	1	2	1		153.0 - 154.0	17	2.2	38.0	11.6	40.6	<2.0
3	3	1	2	1								
3	3	1	2	1								
3	3	1	2	1		154.0 - 157.0	50	0.4	34.0	12.4	35.4	<2.0
3	3	1	2	1								
2	1	1	2	1								
3	3	0	1	1		157.0 - 160.0	17	1.8	110.0	14.0	43.2	<2.0
2	2	1	2	1								
1	1	1	2	1								
1	0	1	2	1		160.0 - 163.0	17	1.8	58.0	14.4	43.4	<2.0
1	0	1	2	1								
1	0	1	2	1								
1	0	1	2	1		163.0 - 166.0	33	<0.10	56.0	15.2	46.0	<2.0
0	0	1	2	1								
0	0	1	2	2								
1	1	1	2	2		166.0 - 169.0	17	<0.10	56.0	21.6	39.6	<2.0
0	0	1	2	1								
0	0	1	2	1								
1	1	1	2	2		169.0 - 172.0	<10	0.8	78.0	24.0	53.4	<2.0
1	1	1	2	2								
0	0	1	1	1								
0	0	1	1	1		172.0 - 175.0	13	<0.10	52.0	23.6	55.6	<2.0
0	0	1	1	1								
0	0	1	1	1								
0	0	1	1	1		175.0 - 178.0	47	<0.10	52.0	40.2	58.6	<2.0
0	0	1	1	1								
0	0	1	1	1								
0	0	1	1	1		178.0 - 181.0	10	0.6	32.0	41.0	57.8	<2.0
0	0	1	1	1								
0	0	1	1	1								
0	0	1	1	1		181.0 - 184.0	20	<0.10	52.0	31.6	51.2	<2.0
0	0	1	1	1								
1	2	1	1	2		184.0 - 186.0	20	<0.10	82.0	24.8	47.2	<2.0
2	2	1	2	2		186.0 - 187.0	27	<0.10	66.0	21.0	48.8	3.0
2	3	1	2	2		187.0 - 188.0	37	0.2	46.0	20.6	39.2	<2.0
1	2	1	2	2		188.0 - 189.0	<10	0.8	44.0	31.0	36.8	93.0
2	3	1	2	2		189.0 - 190.0	20	<0.10	46.0	17.6	35.6	2.0
1	1	1	2	2								
1	1	1	2	2								
1	0	1	2	2		190.0 - 193.0	<10	0.2	24.0	29.4	46.2	8.0
1	1	1	2	2								
1	1	1	2	2								
1	0	1	2	2		193.0 - 196.0	<10	<0.10	34.0	32.2	48.2	8.0
1	0	1	2	2								
1	0	1	2	2								
1	0	1	2	2		196.0 - 199.0	<10	<0.10	26.0	31.6	46.2	7.0
1	0	1	2	1								
1	1	1	2	1								
1	1	1	2	2	6-202.3 PT	199.0 - 202.0	<10	<0.10	34.0	31.0	40.8	12.0
2	2	1	2	1		202.0 - 203.0	<10	<0.10	42.0	22.4	40.8	<2.0
1	0	1	2	1								
1	0	1	2	1								
1	0	1	2	1		203.0 - 206.0	<10	<0.10	34.0	27.8	52.0	14.0
1	0	1	2	1								
1	0	1	2	1								
1	0	1	2	1		206.0 - 209.0	<10	<0.10	18.0	26.0	42.6	7.0
1	0	1	2	1								

Appendix 6 Log of the Drill Hole "MJTA-6" (4/4)



210.5-210.7m: light gray, strongly silicified rock with strong dissemination of pyrite, with silicification band (∠ 70deg.,)

210.7-219.0m: pink colored, weakly argillized, weakly epidotized, weakly chloritized granite, hornblende & biotite are replaced by chlorite, plagioclase is replaced by white clay & epidote, with chlorite + pyrite stringers (5-10cm interval), with traces of quartz + pyrite veinlets (216.4m: w=1-1.5cm, ∠60deg., 219m: w=0.7cm, ∠65deg.)

219.0-222.7m: pale gray, granite, plagioclase is completely replaced by white clay & epidote, mafic minerals are replaced by chlorite.
with stringers & veinlets of quartz + pyrite (∠80deg. - ∠60deg., 2-5cm interval), with pyrite stringers(∠80deg. 10cm interval)

222.7-225.3m: pale green, strongly epidotized, strongly chloritized & silicified rock, with quartz + pyrite stringers (veinlets, network), with chlorite + pyrite stringers (1-2cm interval), with strong dissemination of pyrite

225.3-228.7m: strongly silicified rock with pyrite dissemination, with a lot of pyrite stringers
225.5m: quartz + pyrite vein (w=10cm, ∠55deg.)
227.5-228m: argillized vein with brecciated structure, ∠80deg., after silicification
226.4-227.1m: epidotized, chloritized & slightly silicified rock with, with quartz + pyrite stringers (5cm interval)

230.7-235.6m: pink colored granite with quartz + pyrite veinlets(2-5cm interval)
233.0m: quartz + pyrite vein (∠70deg., w=3cm)
233.7m:quartz + pyrite vein (∠80deg., w=4cm)
234.8m: quartz + chlorite + pyrite vein (∠85deg., w=3cm)

235.6-243.1m
239.7-239.9m, 241.2-241.7m: strongly silicified rock with pyrite dissemination
235.6-236.6m, 238.1-239.2m, 240.0-240.7m: strongly chloritized, epidotized, slightly silicified and argillized rock, with quarts + pyrite + chlorite stringers (2-5cm interval), with pyrite dissemination (total amount of pyrite = 1-2%)

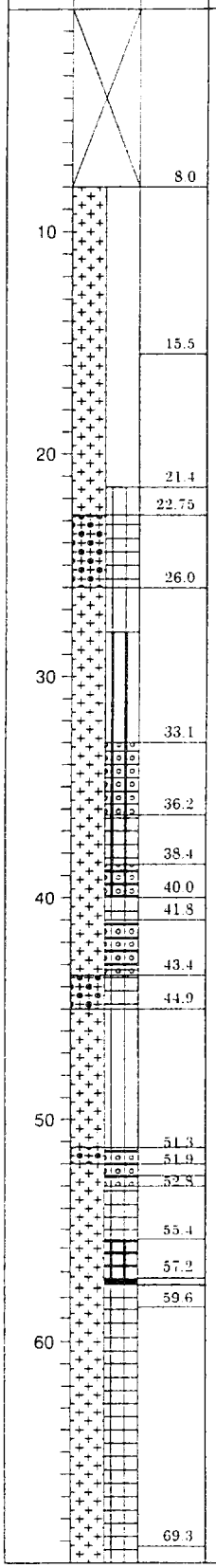
243.1-247.7m: pink colored granite, with chlorite + pyrite stringers (1-3cm interval), with minor stringers of quartz + pyrite (10cm intervals)
mafic minerals are replaced by chlorite, plagioclase is replaced by white clay and epidote

247.7-250m: pale green colored, chloritized, epidotized & silicified rock with dense network of quartz + pyrite, with network of chlorite + quartz + pyrite, with pyrite dissemination

Sulfidation	Silicifica.	Argiliza.	Chloritiza.	Epidotiza.
2	2	2	1	0
0	0	1	1	1
0	0	1	1	1
0	0	1	1	1
0	0	1	1	1
0	0	1	1	1
0	0	1	1	1
0	0	1	1	1
2	1	2	1	1
1	1	2	1	1
2	1	1	1	1
1	1	2	1	1
2	2	0	2	2
2	2	0	2	2
3	3	0	0	1
1	1	1	3	3
3	3	0	0	1
3	3	0	0	1
1	1	1	3	3
1	1	1	3	3
1	1	1	1	1
1	1	1	1	1
1	1	1	1	1
1	1	1	1	1
0	0	0	1	1
1	0	1	1	2
0	0	0	0	0
1	1	1	2	2
1	1	1	1	1
1	0	1	2	2
2	3	1	1	1
0	1	1	1	1
1	0	1	2	1
1	0	1	2	1
1	1	1	2	1
1	0	1	2	1
1	0	1	2	1
2	2	1	3	2
2	2	1	3	2

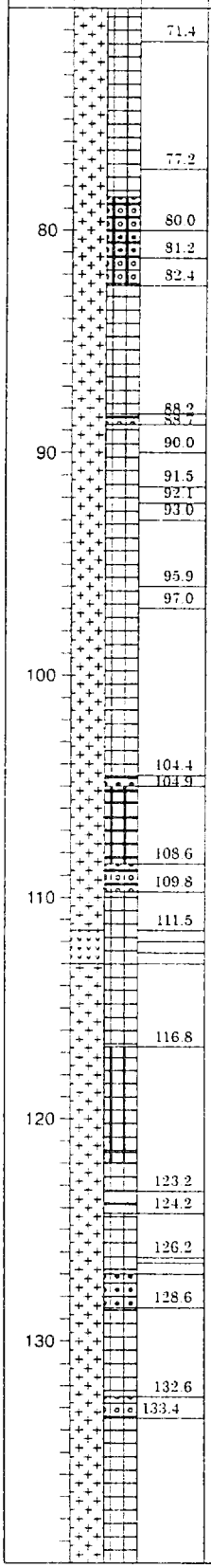
Examined Sample	Assay Interval	Assay results					
		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
	209.0 - 212.0	<10	1.4	24.0	17.6	43.0	6.0
	212.0 - 215.0	<10	<0.10	28.0	17.8	46.4	2.0
	215.0 - 218.0	<10	0.2	26.0	34.4	47.2	7.0
	218.0 - 221.0	<10	0.4	38.0	29.0	43.4	11.0
	221.0 - 224.0	<10	0.2	34.0	29.4	44.2	23.0
	224.0 - 225.0	<10	<0.10	32.0	10.6	39.4	14.0
	225.0 - 226.0	<10	<0.10	28.0	12.4	29.4	<2.0
6-228.2 PX	226.0 - 227.0	30	0.2	24.0	15.4	43.8	14.0
	227.0 - 228.0	<10	0.4	18.0	16.4	31.8	<2.0
	228.0 - 229.0	30	0.2	44.0	15.2	33.0	<2.0
6-229.0 TX	229.0 - 230.0	<10	<0.10	54.0	11.6	39.2	7.0
	230.0 - 233.0	<10	<0.10	42.0	12.4	40.6	15.0
	233.0 - 236.0	<10	<0.10	44.0	15.0	44.4	8.0
	236.0 - 239.0	<10	<0.10	72.0	15.8	46.6	15.0
	239.0 - 242.0	30	<0.10	86.0	11.4	33.0	14.0
	242.0 - 245.0	37	<0.10	126.0	16.8	34.8	8.0
6-249.0 PTX	243.0 - 248.0	27	<0.10	70.0	16.6	42.0	12.0
	248.0 - 250.0	<10	0.6	78.0	15.8	36.2	<2.0

Appendix 7 Log of the Drill Hole "MJTA-7" (1/4)



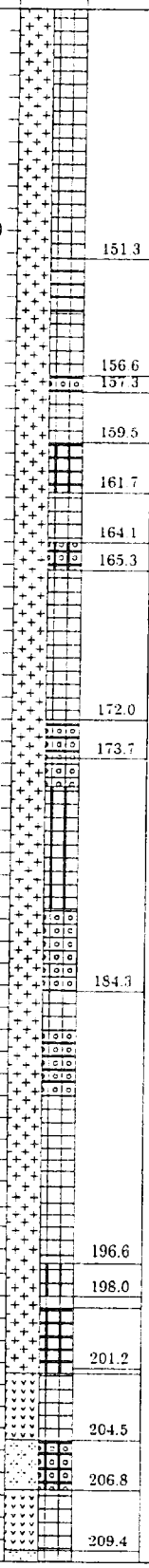
Description	Sulfidation	Silicifica	Argiliza.	Chloritiza.	Epidotiza	Examined Sample	Assay Interval	Assay results Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
0.0-8.0m: coarse grained sand, surface soil, yellowish brown colored	-	-	-	-	-								
	-	-	-	-	-								
8.0-15.5m: brown, oxide zone, strongly weathered granitic rock, with hematite dissemination, cracky core (⌀ 1-5cm)	-	-	-	-	-		0.0 - 3.0	30	1.2	44.0	22.6	104.6	5.0
	-	-	-	-	-								
	-	-	-	-	-								
15.5-21.4m: brownish gray colored, oxide zone, hornblend - biotite adamerite, plagioclase ≧ K-feldspar > biotite ≧ hornblend, quartz	-	-	-	-	-		3.0 - 6.0	20	0.2	32.0	24.0	125.4	6.0
plagioclase: 3-5mm	-	-	-	-	-								
K-feldspar, biotite, hornblend: 2-3mm	-	-	-	-	-								
hematite stains along fractures	-	-	-	-	-		6.0 - 9.0	27	0.2	18.0	20.8	79.2	7.0
plagioclase and mafic minerals are replaced by chlorite, epidote and hematite	-	-	-	-	-								
	-	-	-	-	-								
21.4-22.75m: weakly chloritized and weakly epidotized granite, with chlorite stringers, chlorite + pyrite stringers, chlorite + epidote stringers (1-3cm interval)	-	-	-	-	-		9.0 - 12.0	17	0.8	16.0	18.6	52.0	4.0
most of mafic minerals change to chlorite	-	-	-	-	-								
	-	-	-	-	-								
22.75-26.0m: greenish light gray colored porphyry, dyke? (∠ 70deg.), including a lot of plagioclase (replaced by epidote & white clay minerals) phenocrysts (⌀ 4-5mm)	-	-	-	-	-		12.0 - 15.0	13	0.4	18.0	24.8	49.6	2.0
groundmass is composed of chlorite	-	-	-	-	-								
weak disseminaton of pyrite, pyrite strigers and pyrite veinlets (3-10cm interval)	-	-	-	-	-		15.0 - 18.0	40	2.4	18.0	19.8	66.4	4.0
	-	-	-	-	-								
26.0-33.1m: biotite - hornblend monzonite, or hornblend - biotite monzonite, pink colored	-	-	-	-	-								
with chlorite stringers (0.5-3cm interval) or chlorite network, traces of pyrite - chlorite stringers occur locally, pyrite dissemination is very weak	-	-	-	-	-		18.0 - 21.0	30	0.8	22.0	30.6	63.2	3.0
most of mafic minerals are replaced by chlorite, some plagioclase crystals change to epidote	0	0	0	1	1								
27.0m: chlorite + quartz vein (∠ 90deg., w=1cm)	0	0	0	1	1		21.0 - 23.0	23	1.6	26.0	23.6	61.4	2.0
31.0m: chlorite + pyrite veinlets (∠ 70deg., w=5mm)	1	0	1	2	1								
	1	0	1	2	1								
	1	0	1	2	1		23.0 - 26.0	23	0.4	98.0	28.0	95.4	3.0
33.1-36.2m: strongly silicified part; along vertical fractures, with pyrite dissemination (1-2%)	0	0	0	2	1								
silicified and epidotized part; plagioclase is replaced by epidote and white clay; mafic minerals are replaced by chlorite & pyrite, pink colored feldspar are found	0	0	0	2	1								
	0	0	0	2	1		26.0 - 29.0	30	1.2	32.0	20.8	54.8	8.0
	0	0	0	3	1								
36.2-38.4m: pinkish-gray, hornblend-biotite granite with a lot of stringers of chlorite (1-2cm interval)	0	0	0	3	1								
plagioclase shows pale green color	0	0	0	3	1		29.0 - 32.0	20	0.8	26.0	19.0	59.8	3.0
minor veinlets of clay (white to pale green colored) and minor veinlets of chlorite + pyrite are found	0	0	0	3	1								
	0	2	1	3	2								
38.4-40.0m: argillized granite with pyrite dissemination, partly silicified, white colored	0	2	1	3	3		32.0 - 35.0	37	0.8	48.0	19.2	69.2	7.0
with pyrite + chlorite stringers, with quartz + pyrite stringers (2-3cm interval), K-feldspar and plagioclase are replaced by clay minerals	1	2	1	3	3								
	1	2	1	3	2		35.0 - 36.2	50	16.6	46.0	16.0	59.0	25.0
	0	0	1	3	1								
40.0-41.8m: hornblend-biotite granite, pink colored, plagioclase shows white to pale green color, K-feldspar is alive, mafic minerals change to chlorite	1	1	3	3	2		36.2 - 38.2	33	0.4	42.0	13.2	65.8	<2.0
with chlorite stringers, with chlorite + pyrite stringers (1-3cm interval), pyrite dissemination is very weak	2	1	3	3	2								
	0	0	1	2	1		38.2 - 40.0	37	1.2	18.0	14.6	62.2	<2.0
	0	0	1	2	1								
41.8-43.4m: greenish pale gray, strongly argillized granite, K-feldspar and plagioclase are replaced by white clay minerals, all mafic minerals change to chlorite,	1	1	3	2	2		40.0 - 41.8	23	0.2	52.0	13.2	54.8	<2.0
41.9m: sheared zone with dark gray clay mineral	0	0	1	1	0								
42.0-42.2m: strongly silicified zone	0	0	1	1	0		41.8 - 43.4	30	0.8	46.0	131.0	68.4	<2.0
	0	0	0	2	1								
43.4-44.9m: pink colored granite porphyry	0	0	0	2	1								
	0	0	0	2	1		43.4 - 46.0	27	0.2	16.0	27.0	42.0	<2.0
44.9-51.3m: pink colored granite, mafic minerals change to chlorite, with chlorite veinlets, with chlorite + pyrite veinlets, with epidote veinlets (2-5cm interval), traces of quartz + pyrite veinlets occur (50-100cm interval, ∠ 75deg. ±, w=5-10mm)	0	0	0	2	1								
	0	0	0	2	1		46.0 - 49.0	27	0.2	24.0	23.8	53.2	<2.0
	0	0	0	2	1								
51.3-51.9m: pale green colored porphyry	0	0	0	2	1								
phenocrysts: plagioclase (⌀ 5-8mm), hornblende	1	0	2	1	1		49.0 - 52.0	33	0.6	24.0	23.0	57.0	<2.0
groundmass: strongly chloritized	1	1	3	1	1								
pyrite dissemination: 1%±	1	0	2	2	2		52.0 - 54.0	13	0.6	38.0	15.4	53.2	<2.0
52.4-52.8m: white, strongly argillized granitoid, mafic minerals are replaced by chlorite, K-feldspar and plagioclase are replaced by white clay minerals	2	0	2	2	2								
pyrite dissemination: 2%±	1	0	2	2	2		54.0 - 55.4	13	0.6	56.0	17.6	95.8	<2.0
	1	1	3	3	3								
52.8-55.4m: greenish gray to pinkish gray, weakly argillized granite, K-feldspar is alive, plagioclase change to white clay and epidote, all mafic minerals change to chlorite	1	2	1	2	2		55.4 - 57.6	20	0.6	66.0	22.4	63.8	<2.0
1st stage: epidotization & chloritization, 2nd stage: argillization	0	0	2	2	2								
pyrite dissemination: 1% or more	0	0	2	2	2		57.6 - 59.6	17	1.4	24.0	11.8	71.0	5.0
	0	0	1	2	1								
55.4-55.6m, 57.6-59.6m: transition zone	0	0	1	2	1								
	0	0	1	2	1		59.6 - 63.0	10	15.8	19.8	29.0	57.4	13.0
55.6-57.2m: alteration mineral assemblage: white clay + epidote + quartz, K-feldspar is dead	0	0	1	2	1								
	0	0	1	2	1								
57.2-57.6m: strongly silicified rock with pyrite dissemination (2%±)	0	0	1	2	1		63.0 - 66.0	20	<0.10	21.4	16.6	54.6	14.0
	0	0	1	2	1								
	0	0	1	2	1								
59.6-69.3m, 71.4-77.2m: pale greenish gray colored granite, all mafic minerals change to chlorite + epidote, plagioclase shows white to pale green colored, pyrite dissemination is weak	0	0	1	2	1		66.0 - 69.0	17	0.2	14.4	16.0	49.6	9.0
	0	0	0	1	0								

Appendix 7 Log of the Drill Hole "MJTA-7" (2/4)



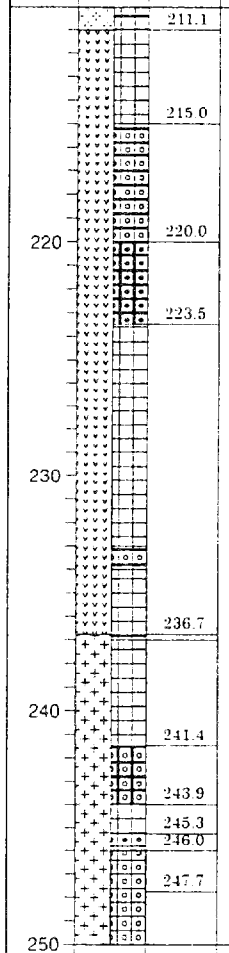
Depth (m)	Description	Sulfidation	Silicifica.	Argilliza.	Chloritiza.	Epidotiza.	Examined Sample	Assay Interval	Assay results: Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
71.4	with chlorite stringers, with chlorite + pyrite stringers, with epidote stringers (2-4cm interval, ∠70-80deg.)	0	0	0	1	0								
	69.3m: silicified band, ∠60deg., w=2cm	0	0	1	2	1		69.0 - 72.0	13	1.0	13.4	16.0	42.0	7.0
	77.2-80.0m: light gray to pale greenish colored granite, plagioclase and K-feldspar change to white clay and epidote, all mafic minerals change to chlorite	0	0	1	2	1								
	pyrite dissemination is weak, slightly silicified, with stringers of chlorite & epidote	0	0	1	2	1								
77.2		0	0	1	2	1		72.0 - 75.0	13	0.2	10.6	15.8	35.2	13.0
	80.0-81.2m: strongly silicified and chloritized rock, with a lot of fractures (∠80deg.), cracky core, dark gray colored	0	0	1	2	1								
80.0		0	0	2	2	1		75.0 - 78.0	23	0.2	27.8	20.2	53.6	19.0
	81.2-82.4m: pale greenish gray colored, argillized granite, with a lot of chlorite stringers (0.5-1cm intervals)	0	1	3	3	3								
81.2		0	1	3	3	3								
82.4		0	3	3	3	1		78.0 - 81.0	33	<0.10	25.0	84.6	84.8	<2.0
	82.4-88.2m, 88.7-90.0m: pinkish-gray, weakly argillized granite, with chlorite stringer, with chlorite veinlets (∠80deg.), with minor veinlets of quartz + pyrite	0	1	2	3	2								
		0	0	1	2	1								
		0	0	1	2	1		81.0 - 84.0	13	0.4	31.2	27.8	63.2	<2.0
	88.2-88.7m: white, cracky core, strongly argillized rock, with pyrite dissemination, original rock texture is completely destroyed	0	0	1	2	1								
88.2		0	0	1	2	1								
88.7		0	0	1	2	1		84.0 - 87.0	13	0.6	29.7	22.0	52.4	<2.0
	90.0-91.5m: pinkish gray to pale greenish gray, plagioclase changes to clay and epidote, with a lot of epidote + chlorite stringers (3cm interval)	0	0	1	2	1								
90.0		1	2	3	2	1								
91.5		0	0	1	2	1		87.0 - 90.0	30	0.4	28.8	25.4	64.6	<2.0
	92.1-93.0m: pinkish gray to pale greenish gray, plagioclase changes to white clay, all mafic minerals change to chlorite + epidote, with a lot of chlorite + epidote stringers	0	0	2	2	2								
92.1		0	0	1	2	1								
93.0		0	0	2	2	2	7-94.0 T	90.0 - 93.0	30	<0.10	24.8	26.8	56.0	<2.0
	93.0-95.9m: hornblend-biotite adamerite, pinkish gray, with minor epidote stringers, with minor chlorite stringers	0	0	1	1	1								
		0	0	1	1	1								
95.9	**95.9-97.0m**: gray to greenish light gray colored, plagioclase changes to white clay and epidote, all mafic minerals change to chlorite, with chloritestringers, with chlorite + pyrite stringers (0.5-2cm interval), with pyrite disseminations	0	0	1	1	1		93.0 - 96.0	17	0.2	27.2	21.0	53.0	<2.0
97.0		1	1	2	2	1		96.0 - 97.0	20	0.4	37.4	45.2	78.4	<2.0
	97.0-104.4m: pale greenish gray, plagioclase changes to argillic mineral, mafic minerals change to chlorite and epidote, with a lot of chlorite stringers (0.5-1cm intervals) with minor epidote stringers, with minor clay veinlets	0	0	2	2	1								
		0	0	2	2	1								
		0	0	2	2	1		97.0 - 100.0	17	0.2	22.6	28.4	67.4	<2.0
		0	0	2	2	1								
	104.4-104.9m: light gray colored, strongly silicified band, ∠45deg., w=40cm, quartz>>sericite, with minor pyrite veinlets, with weak dissemination of pyrite	0	0	2	2	1								
104.4		0	0	2	2	1		100.0 - 103.0	27	<0.10	37.0	24.2	61.6	<2.0
104.9		0	0	2	2	1	7-104.5 XI							
	104.9-108.6m: all plagioclase changes to white clay, all mafic minerals are replaced by chlorite and epidote, with dense network of chlorite, with dense network of chlorite - pyrite (0.5-1cm interval)	1	3	3	1	0		103.0 - 105.0	27	<0.10	43.6	20.6	53.2	<2.0
		0	0	3	3	1								
		1	0	3	3	1								
108.6		1	0	2	3	1		105.0 - 108.0	23	0.2	56.4	22.8	58.4	<2.0
	108.6-109.8m: white, strongly argillized rock, with pyrite dissemination, white clay>>chlorite, sercite	1	1	3	1	0								
109.8	109.3m: strongly silicified band with pyrite veinlets, ∠40deg.	1	1	4	1	0		108.0 - 110.0	37	1.0	67.4	25.2	48.2	<2.0
	109.8-111.5m: pink colored, weakly argillized granite, with chlorite stringers, with chlorite + pyrite stringers (1-3cm interval)	0	0	2	2	1								
		1	0	1	2	1								
111.5		1	0	1	2	1		110.0 - 113.0	27	2.6	46.6	25.4	69.8	<2.0
	111.5-111.9m, 112.6-113.0m: chloritized porphyritic andesite dyke, with pyrite disseminationc	0	0	2	2	1								
	113.0m: silicified zone, ∠50deg., w=10cm with pyrite dissemination of (2%±)	0	0	2	2	1								
		1	0	2	2	1		113.0 - 116.0	23	<0.10	33.0	19.0	59.8	<2.0
116.8		0	0	2	2	1								
	113.0-116.8m: weakly argillized rock, with pyrite stringers, with pyrite + chlorite stringers (1-3cm interval)	0	0	2	3	2								
		0	0	2	3	2		116.0 - 119.0	23	0.4	28.4	16.6	56.2	16.0
	116.8-123.2m: weakly argillized and epidotized rock, with a lot of chlorite stingers (1-2cm interval), all mafic minerals change to chlorite + epidote	0	0	2	3	2								
	121.4-121.8m: strongly argillized, chloritized and epidotized rock with small amount of pyrite dissemination	0	0	2	3	2								
		0	0	3	3	3		119.0 - 122.0	10	0.4	15.4	8.8	44.6	11.0
123.2		0	0	2	2	2	7-124.0 PTX	122.0 - 123.2	20	0.6	56.4	14.4	57.2	18.0
124.2	**123.2-124.2m**: strongly argillized rock, with strong dissemination of pyrite, original rock texture is completely destroyed, porphyry?, angle of intrusion = ∠50deg.	2	0	4	1	0		123.2 - 124.2	23	0.4	16.8	23.2	51.4	<2.0
		1	0	2	2	1								
126.2		0	0	2	2	1								
	124.2-126.2m, 126.5-127.1m: pale greenish gray, argillized granite, plagioclase changes to white clay (& pale green colored mineral), all mafic minerals change to chlorite and epidote	1	0	2	2	1		124.2 - 127.1	33	0.4	30.0	21.8	70.2	<2.0
128.6	with chlorite stringers, with chlorite + pyrite stringers (1-3cm interval)	2	3	2	2	1		127.1 - 128.6	40	1.6	56.6	17.4	113.0	<2.0
	pyrite dissemination is weak	1	3	2	2	1								
		0	0	1	1	1								
	126.2-126.5m: silicified rock with pyrite dissemination (2%), alteration mineral assemblage = quartz >> sericite, white clay, pyrite	0	0	1	1	1								
132.6		0	0	1	1	1		128.6 - 132.6	17	0.2	16.8	15.6	58.2	25.0
133.4	**127.1-128.6m**: silicified rock with pyrite dissemination (2%), with chlorite stringers, with pyrite stringers (∠50deg.)	2	1	2	1	1		132.6 - 133.4	27	0.2	33.2	27.0	44.2	24.0
		2	1	2	1	1								
		1	0	2	2	1								
	128.6-132.6m: greenish pale gray, argillized rock, plagioclase changes to white clay (& pale green colored mineral), mafic minerals change to chlorite & epidote	1	0	2	2	1		133.4 - 136.0	33	0.2	46.2	21.8	57.4	27.0
	with chlorite + pyrite stringers, with pyrite stringers, with chlorite stringers (2cm± interval), pyrite dissemination is very weak	0	0	2	2	1								
		0	0	2	2	1								
		0	0	2	2	1		136.0 - 139.0	13	0.2	29.8	21.8	53.0	28.0
		0	0	2	2	1								

Appendix 7 Log of the Drill Hole "MJTA-7" (3/4)



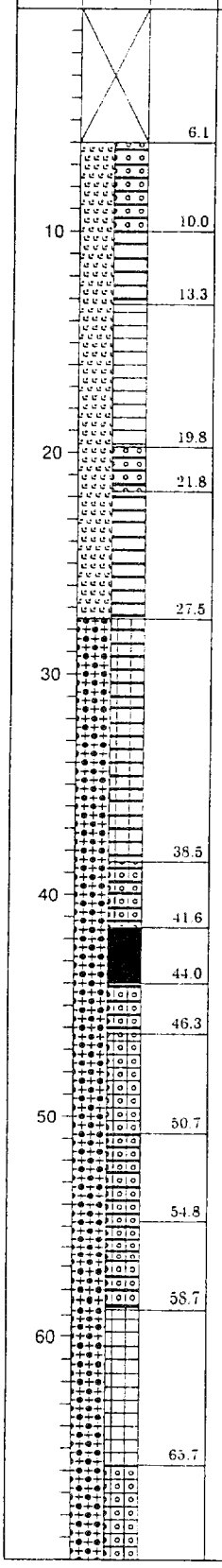
Depth (m)	Description	Sulfidation	Silicifica.	Argillza.	Chloritiza.	Epidotiza.	Examined Sample	Assay Interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
	132.6-133.4m: white to greenish lightly gray colored, argillized granite with dense network of pyrite	0	0	1	1	1								
		0	0	1	1	1		139.0 - 142.0	10	0.2	33.0	19.4	44.6	35.0
	133.4-151.3m: pinkish light gray, weakly argillized & chloritized granite, mafic minerals change to chlorite & epidote, plagioclase changes to white clay, with chlorite stringers, with chlorite + pyrite stringers, with pyrite stringers (1-2cm interval), with pyrite dissemination (0.5%-1%), with minor veinlets of epidote (∠80deg., w=5mm at 135.8m)	0	0	1	1	1								
		0	0	2	2	1								
		0	0	2	2	1		142.0 - 145.0	30	0.2	19.4	24.4	53.2	39.0
		0	0	2	2	1								
	140.0-140.2, 146-149m: alteration is very weak, half of mafic minerals change to chlorite, plagioclase is slightly altered	0	0	1	1	1								
		0	0	1	1	1		145.0 - 148.0	20	1.0	19.0	20.4	46.6	35.0
		0	0	2	2	1								
	151.3-156.6m: plagioclase changes to white clay, all mafic minerals change to chlorite & epidote, most of K-feldspar is alive, pyrite dissemination is weak	1	0	2	2	1								
	chlorite stringers occur (1-5cm interval)	0	0	2	2	1		148.0 - 151.0	30	7.8	25.4	14.6	40.8	22.0
		0	0	2	2	1								
	156.6-157.3m: cracky core, silicified and argillized rock with pyrite network and pyrite dissemination, total amount of sulfide = 2% - 3%), with quartz + pyrite veinlets	0	0	3	2	2								
		0	0	2	2	1		151.0 - 154.0	23	0.8	32.8	18.0	52.4	40.0
		0	0	2	2	1								
	159.5-161.7m: rock texture is not clear becouse of argillization, chloritization, epidotization & network of chlorite + pyrite with moner disseminationof pyrite	0	0	2	2	1								
		1	2	3	2	1		154.0 - 156.6	17	6.0	30.6	15.0	46.8	23.0
		1	1	2	2	1		156.6 - 157.3	30	0.4	37.8	14.2	53.8	26.0
		0	0	2	2	1								
		0	0	2	2	2		157.3 - 160.0	33	<0.10	24.4	33.0	49.8	27.0
		1	1	3	3	3								
		0	0	2	2	1								
		0	0	2	2	1								
		0	0	2	2	1		160.0 - 164.1	17	0.4	34.0	14.2	48.8	17.0
	164.1-165.3m: cracky core, argillized granite, with dense network of pyrite, with network of quartz + pyrite, with network of chlorite + pyrite, with pyrite dissemination, with slight silicification	2	1	3	3	1		164.1 - 165.3	27	0.4	25.0	12.2	50.0	<2.0
		0	0	2	2	1								
	165.3-172.0m: argillized and chloritized rock, with chlorite + pyrite network, with pyrite network (5-15mm interval)	1	0	3	2	1								
	quartz + pyrite (- epidote) veinlets locally occur (50-100cm interval), with pyrite dissemination	0	0	2	2	1		165.3 - 168.0	40	0.4	36.8	14.4	53.8	28.0
		1	0	3	2	1								
	rock texture is not clear by strong alteration and dense network	1	0	3	2	1								
		0	0	2	2	1		168.0 - 171.0	27	1.0	120.0	37.0	74.0	19.0
		0	0	2	2	1		171.0 - 172.0	33	<0.10	55.2	13.0	54.0	22.0
	172.0-173.7m: light gray to pale greenish gray, argillized and silicified rock, with strong dissemination of pyrite, with network of chlorite + pyrite + epidote, rock texture is not clear	2	2	3	2	1								
		1	1	3	2	1		172.0 - 173.7	27	0.2	77.8	13.8	50.8	23.0
	173.7-184.3m: rock texture is not clear, dark green colored, all mafic minerals change to chlorite, plagioclase changes to pale green or white colred minerals, K-feldspar is alive	0	1	2	2	1								
	with network of chlorite, pyrite, chlorite + pyrite	0	0	2	3	1	7-176.4 X	173.7 - 176.0	23	<0.10	32.8	12.2	44.0	24.0
	pyrite dissemination is weak	0	0	2	3	1								
	177.7-179.1m, 184.0-184.3m: fracture zone	0	0	2	3	1								
	180.7m: silicified zone with pyrite dissemination, w=3cm, ∠60deg	0	0	2	3	1		176.0 - 179.0	20	<0.10	38.0	17.2	47.4	21.0
	182.0m: quartz veinlets, w=1cm, ∠50deg.	0	0	2	3	1								
	183.0m: coarse grained quartz vein with druse, including coarse grained pyrite, w=7-10cm, ∠70deg	0	1	2	2	1								
		0	1	2	2	1		179.0 - 182.0	40	0.4	56.0	29.8	64.2	24.0
	184.3-196.6m: greenish gray to light gray colored, argillized, chloritized & weakly epidotized granitic rock, original rock texture is not clear becouse of strong alteration	0	1	2	2	1								
	with weak dissemination of pyrite	0	0	2	2	1		182.0 - 188.0	33	0.8	95.0	12.0	40.0	27.0
	with chlorite stringers, with pyrite + chlorite stringers with pyrite stringers (2-3cm interval, ∠50-80deg.)	0	0	2	2	1								
	188-188.2m: strong dissemination of pyrite, anount of pyrite = 2%	0	1	3	2	1	7-188.0 PTX	188.0 - 191.0	23	2.0	41.8	16.0	49.6	23.0
	186.5m, 188.6m: pink-feldspar band, w=3-5cm, ∠40-85deg	0	1	3	2	1								
		0	0	2	2	1								
	196.6-198.0m: green colored, strongly epidotized and chloritized rock, original rock texture is not clear, all plagioclase changes to epidote, with a lot of chlorite stringers	0	0	2	2	1		188.0 - 188.6	27	1.4	28.2	22.6	91.4	18.0
		0	0	2	2	1								
	198.0-198.6m: rock texture is clear	0	0	2	2	1								
		0	0	2	2	1		191.0 - 194.0	20	0.4	26.0	2.2	28.6	<2.0
	198.6-201.2m: strongly chloritized & argillised rock, most of K-feldspar and all plagioclase change to alteration minerals (white clay, epidote, chlorite, etc.), original rock texture is completely destroyed by strong alteration,	0	0	2	2	1								
	200.5m: sheared zone	0	0	2	2	1								
		0	0	2	2	1		194.0 - 197.0	33	1.0	14.0	18.4	23.0	<2.0
	201.5-204.5m: dark greenish gray colored, fine grained porphyritic andesite, with chlorittization and weak argillization, with quartz stringers (5-10mm interval, ∠20-70deg.), with a lot of open fracture filled with clay (white to gray colored, ∠80deg.)	0	0	2	3	3								
		0	0	2	2	1		197.0 - 199.0	20	<0.10	28.0	62.6	37.8	<2.0
		1	1	3	3	2		199.0 - 200.0	20	0.8	11.0	7.8	34.2	<2.0
	204.5-206.8m: light gray to light greenish gray colored, strongly argillized rock with chlorite network, with pyrite dissemination, original rock may be granitoid, original rock texture is not clear	1	1	3	3	2		200.0 - 201.0	17	0.4	16.0	5.0	43.8	<2.0
		1	1	3	3	2		201.0 - 202.0	27	0.2	21.6	8.4	25.4	<2.0
		0	0	1	2	0								
		0	0	1	2	0								
	206.8-209.4m: cracky core, fine grained andesitic rock, dark greenish gray colored, with quartz stringers, with pyrite dissemination, with clay veinlets	1	1	3	3	2		202.0 - 205.0	30	<0.10	31.0	4.8	97.2	<2.0
		2	1	3	3	2								
		2	1	3	3	2		205.0 - 207.0	27	0.2	20.2	13.0	42.2	<2.0
	209.4-211.1m: greenish light gray, strongly argillized rock with pyrite dissemination, with quaretz network, with quartz + pyrite network, with clay vein	1	0	1	2	0								
		0	0	1	2	0		207.0 - 209.0	20	0.6	29.0	12.0	101.6	<2.0
		2	1	3	2	1								

Appendix 7 Log of the Drill Hole "MJTA-7" (4/4)



Depth (m)	Description	Sulfidation	Silicifica.	Argiliza.	Chloritiza	Epidoiza.	Examined Sample	Assay Interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
211.1	**211.1-215.0m**: green colored, fine grained, chloritized andesite dyke, with weak pyrite dissemination, including white clay veinlets (∠85deg.)	2	1	3	2	1		209.0 - 211.0	33	1.0	49.0	11.6	55.8	<2.0
		0	0	1	2	0								
		0	0	1	2	0								
215.0		0	0	1	2	0								
		0	0	1	2	0	7-216.0 TX	211.0 - 213.0	30	1.2	32.2	23.2	119.2	<2.0
	215.0-220.0m: alteration beds of strongly silicified rock and strongly argillized rock	2	2	3	2	0		215.0 - 216.0	53	6.8	124.0	6.6	267.0	195.0
	strongly silicified rock: with pyrite dissemination, with quartz + pyrite veinlets (∠40deg.), original rock may be fine grained andesite	2	2	3	2	0		216.0 - 217.0	30	9.8	121.0	946.0	95.8	11.0
	strongly argillized rock along fracture zone: sheared rock (∠50deg.), with pyrite dissemination, with quartz pool (⌀2cm), cracky core	2	2	3	2	0		217.0 - 218.0	40	1.0	22.4	614.0	76.8	8.0
		2	2	3	2	0		218.0 - 219.0	27	2.2	36.4	164.6	74.2	4.0
220.0	**220.0-223.5m**: dark green colored, strongly chloritized, strongly argillized, slightly silicified rock	0	1	2	2	0		219.0 - 220.0	23	4.6	106.2	149.2	215.0	9.0
	partly strongly silicified with pyrite dissemination	2	2	3	3	1		220.0 - 221.0	37	1.0	149.4	530.0	75.4	<2.0
		2	3	3	2	1		221.0 - 222.0	30	1.2	54.4	90.8	43.4	<2.0
223.5	**223.5-236.7m**: greenish gray colred, prphyritic andesite, hornblend andesite, with chloritization, with chlorite stringers, with quartz + pyritestringers, with epidote + pyritestringers, with pyrite stringers (interval 2-3cm), pyrite dissemination is weak	2	2	3	3	1		222.0 - 223.0	13	0.6	35.0	43.0	51.4	<2.0
		1	2	2	1	0								
		0	0	1	2	1								
		0	0	1	2	1		223.0 - 226.0	40	1.0	156.0	24.6	103.8	<2.0
		0	0	1	2	1								
		0	0	1	2	1		226.0 - 229.0	37	1.6	135.2	96.0	154.2	<2.0
		0	0	1	2	1								
		0	0	1	2	1								
		0	0	2	2	1		229.0 - 232.0	53	0.2	29.2	258.0	155.6	<2.0
		0	0	2	2	1								
		0	1	3	2	1								
		2	1	2	2	1		232.0 - 235.0	30	0.2	66.0	68.6	106.8	<2.0
236.7	**236.7-237.1m**: white, argillized granitoid, K-feldspar and plagioclase change to white clay, mafic minerals change to chlorite, with strong dissemination of pyrite (3%=)	0	0	1	2	1	7-237.0 X							
		1	0	2	2	1								
	237.1-241.4m: pinkish gray colored granite, plagioclase changes to pale greenish gray colored mineral, all mafic minerals change to chlorite and epidote	0	0	2	2	2		235.0 - 238.0	13	0.6	78.0	68.6	83.8	<2.0
		0	0	2	2	2								
	with epidote stringers, with chlorite stringers, with chlorite + pyrite stringers (3-5cm interval)	0	0	2	2	2								
241.4		0	0	2	2	2		238.0 - 241.0	30	1.4	33.2	95.4	39.8	<2.0
	pyrite dissemination is weak	0	2	3	3	2								
		0	2	3	3	2								
243.9	**241.4-243.9m**: strongly argillized, strongly chloritized and weakly silicified rock, original rock texture is completely destroyed by strong alteration	0	2	3	3	2		241.0 - 244.0	10	1.2	49.4	37.6	42.0	<2.0
		0	0	2	2	1								
245.3		0	3	2	1	0								
246.0	**245.3-246.0m**: coarse grained quartz vein, with druse, w=5cm, ∠50deg., in the strongly silicified zone	0	0	1	2	1		244.0 - 247.0	27	1.0	58.8	17.6	29.2	<2.0
		0	1	1	2	1								
247.7	**247.7m**: coarse grained quartz vein, including coarse grained pyrite cristal (euhedral), w=1-3cm, ∠70deg.	0	1	1	2	1								
		0	0	1	2	1		247.0 - 250.0	10	2.6	69.2	12.6	31.2	<2.0

Appendix 8 Log of the Drill Hole "MJTA-8" (1/4)



0.0-6.1m: brown to brownish gray colored surface soil, with a lot of gravels (ϕ 1-6cm)

6.1-10.0m: white, silicified rock with dense network of hematite, 0.5cm intervals, strongly silicified & argillized rock, fracture-rich, pebbly core, oxide zone

10.0-13.30m: weathered rhyolite porphyry, brownish light gray colored, strongly argillized, cracky core, pebbly core, oxide zone

13.30-19.80m: rhyolite porphyry, with hematite stringers (3-5cm intervals), weathered & Fe-oxide rich
phenocryst: plagioclase >> quartz (ϕ 3-6mm)
plagioclase changes to clay minerals, groundmass shows brown color by oxidation

19.8-21.8m: white to light gray colored, strongly argillized rhyolite porphyry, rock texture is unclear because of strong alteration, oxide zone

21.8-27.5m: transition zone between oxide zone & sulfide zone, weakly weathered (Fe-oxide rich) rhyolite porphyry, brownish dark gray colored, strongly argillized, with weak dissemination of pyrite

27.5-38.5m: reduced (sulfide) zone starts from the depth of 27.5m, fractured rock, cracky core, porphyry or rhyolite porphyry containing a large quantity of plagioclase phenocrysts (ϕ 3-6mm)
phenocryst: plagioclase>>biotite, hornblend, quartz
plagioclase: ϕ 3-6mm
biotite, hornblend, quartz = ϕ 3mm $\pm$
Total amount of phenocryst: 40-50%
plagioclase-phenocryst & groundmass are perfectly replaced by white clay minerals, mafic minerals change to chlorite
quartz + pyrite stringers (interval of 3-4cm) & dense network of white clay (interval of 5-10mm) occur widely, white clay stringers cut the quartz + pyrite stringers, pyrite dissemination is very weak,
30.8m: chalcopyrite dissemination

38.5-41.6m: quartz + pyrite & prite network (1-1.5cm interval), slightly silicified, pyrite dissemination occur along these stringers,
38.5m: quartz + pyrite veinlets, w=7-10mm, $\angle$65deg.

41.6-44.0m: strongly silicified rock with pyrite dissemination, dark gray colored, compact
this zone shows brecciated structure

44.0-46.3m: strongly argillized rock, greenish gray, dense network of quartz + chlorite + white clay

46.3-50.7m: slightly silicified porphyry
plagioclase phenocrysts change to white clay-minerals, with pyrite stringers (2-4cm intervals)
49.0m: quartz + pyrite veinlets, $\angle$65deg., w=7-8mm

50.7-54.8m: porphyry, light gray colored, strongly argillized, slightly silicified, with dense network of quartz + pyrite
pyrite stringers (0.5-1cm interval), with pyrite dissemination
53.4m, 54.4m: quartz + chlorite + pyrite veinlets, $\angle$ 70-85deg., w=7mm $\pm$

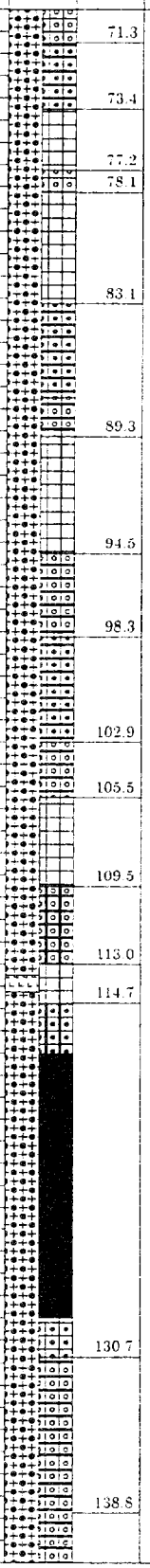
54.8-58.7m:
55.4-55.7m & 56.8-57.5m: strongly argillized & strongly silicified zone, with pyrite (+ chalcopyrite?) dissemination, with quartz + pyrite network, total amount of sulfide is 2-3%
58.4-58.7m: strongly silicified zone, plagioclase-phenocrysts change to epidote + clay, with ameba shaped quartz-pools

58.7-65.7m: porphyry, light brown colored, argillized rock with pyrite + quartz stringers (2-5cm interval),
59.0-62.0m: quartz + pyrite veinlets, $\angle$70-80deg., w=3-8mm

65.7-71.3m: slightly silicified porphyry, greenish-light gray colored
with strong argillization & epidotization
with quartz + pyrite stringers, pyrite stringers & chlorite stringers (0.5cm $\pm$ or 2-4cm interval)
chalcopyrite dissemination ??

Sulfidation	Silicifica.	Argillza.	Chloritiza.	Epidotiza.	Examined Sample	Assay Interval	Assay results: Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
-	-	-	-	-								
-	-	-	-	-								
-	-	-	-	-		0.0 - 3.0	10	<0.1	235.8	19.8	81.4	33.0
-	-	-	-	-								
-	-	-	-	-								
-	-	-	-	-		3.0 - 6.0	17	0.6	154.2	6.6	72.0	44.0
-	2	3	-	-								
-	2	3	-	-								
-	1	3	-	-		6.0 - 9.0	23	0.4	72.2	10.2	12.6	20.0
-	1	3	-	-								
-	0	3	-	-								
-	0	3	-	-		9.0 - 12.0	10	0.2	161.6	6.2	117.6	12.0
-	0	3	-	-								
-	0	2	-	-								
-	0	2	-	-		12.0 - 15.0	33	<0.1	35.0	8.8	94.6	7.0
-	0	2	-	-								
-	0	2	-	-								
-	0	2	-	-		15.0 - 18.0	13	0.8	43.4	18.8	132.8	17.0
-	0	2	-	-								
-	0	2	-	-								
-	1	3	-	-		18.0 - 21.0	110	0.2	118.8	29.4	51.0	3.0
-	1	3	-	-								
-	0	3	-	-								
-	0	3	-	-		21.0 - 24.0	50	0.2	69.4	5.4	105.8	4.0
-	0	3	-	-								
-	0	3	-	-								
-	0	3	-	-		24.0 - 27.0	33	0.2	59.2	14.2	112.2	<2.0
-	0	3	-	-								
0	0	3	2	0								
0	0	3	2	0								
0	0	3	2	0		27.0 - 30.0	67	0.2	121.4	14.6	72.4	4.0
0	0	3	2	0								
0	0	3	2	0								
0	0	3	2	0		30.0 - 33.0	50	0.2	117.0	20.0	79.6	22.0
0	0	3	2	0								
0	0	3	2	0								
0	0	3	2	0		33.0 - 36.0	80	0.2	145.2	25.8	78.6	33.0
0	0	3	2	0	8-37.5 TX							
0	0	3	2	0		36.0 - 38.5	40	<0.1	70.4	17.8	64.4	15.0
1	1	3	2	0								
1	1	3	2	0								
1	1	3	2	0								
1	1	3	2	0		38.5 - 41.6	57	0.2	103.8	8.0	70.0	11.0
3	4	2	0	0		41.6 - 42.6	127	0.2	70.8	8.0	80.0	<2.0
3	4	2	0	0		42.6 - 44.0	77	0.4	108.0	7.4	39.8	44.0
1	1	3	2	0								
1	1	3	2	0		44.0 - 46.3	77	<0.1	151.4	8.4	60.6	7.0
0	1	2	1	0								
0	1	2	1	0								
0	1	2	1	0		46.3 - 49.0	37	<0.1	96.6	6.8	68.8	<2.0
0	1	2	1	0								
0	1	2	1	0		49.0 - 51.0	37	1.6	62.4	7.0	51.8	12.0
1	1	3	2	1								
1	1	3	2	1		51.0 - 53.0	40	<0.1	52.6	4.6	47.6	<2.0
2	1	3	2	1		53.0 - 54.0	30	<0.1	49.0	4.8	49.0	<2.0
2	1	3	2	1	8-55.6 PT	54.0 - 55.0	50	0.6	64.2	5.6	50.2	<2.0
1	1	3	2	1								
1	1	3	2	1								
1	1	3	2	1		55.0 - 58.0	33	<0.1	48.2	16.2	64.0	<2.0
2	3	2	1	2		58.0 - 59.0	27	<0.1	54.6	12.0	66.8	13.0
1	0	2	2	0								
1	0	2	2	0								
1	0	2	2	0		59.0 - 62.0	33	<0.1	45.6	10.6	66.4	<2.0
0	0	2	2	0								
0	0	2	2	0								
0	0	2	2	0		62.0 - 65.0	27	<0.1	54.4	13.8	76.8	<2.0
0	0	2	2	0								
0	0	2	2	0								
0	1	2	2	1		65.0 - 68.0	<10	<0.1	37.6	11.0	73.4	<2.0
1	1	2	2	1								
1	1	2	2	1								

Appendix 8 Log of the Drill Hole "MJTA-8" (2/4)



Depth (m)	Description	Sulfidation	Silicifica	Argiliza	Chloritiza	Epidotiza	Examined Sample	Assay interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
71.3	**71.3-73.4m**: alternation beds of strongly silicified rock & strongly argillized rock silicified rock: dark gray, strong dissemination of pyrite argillized rock: light gray, weak dissemination of pyrite	1	1	2	2	1		68.0 - 71.0	17	<0.1	64.8	11.0	99.4	<2.0
		3	4	3	2	2	8-70.8 T	71.0 - 72.0	70	<0.1	49.2	12.4	93.8	55.0
		2	2	2	2	2		72.0 - 73.0	27	<0.1	19.6	11.2	83.4	7.0
73.4		1	0	2	2	1								
		0	0	2	1	0								
		0	0	2	1	0		73.0 - 76.0	33	<0.1	30.6	13.8	81.6	<2.0
77.2	**77.2-78.1m**: weakly argillized porphyry with traces of pyrite stringers, brownish gray colored	0	0	2	1	0								
78.1		1	1	2	1	0								
		0	0	2	1	0		76.0 - 79.0	40	<0.1	29.6	26.6	73.0	11.0
	78.1-83.1m: porphyry, brownish gray phenocryst= plagioclase>>quartz, hornblend>biotite total amount of phenocrysts is 40%-50% traces of quartz + pyrite stringers locally occur 78.6m: quartz + pyrite vein, w=1.5cm, ∠45deg 82.5m: pyrite + quartz veinlets, w=3mm, ∠90deg.	0	0	2	1	0								
		0	0	2	1	0		79.0 - 81.0	37	<0.1	40.6	21.6	76.6	11.0
		0	0	2	1	0								
83.1		0	0	2	1	0	8-84.0 PTX	81.0 - 83.0	37	<0.1	37.0	16.4	91.8	6.0
		2	2	3	1	0		83.0 - 84.0	67	<0.1	45.0	16.8	59.4	26.0
		2	3	3	1	0		84.0 - 85.0	60	<0.1	45.6	12.0	38.6	20.0
		2	3	3	1	0		85.0 - 86.0	93	<0.1	99.8	16.0	57.8	19.0
	83.1-89.3m: silicified porphyry with dense network of quartz + pyrite (interval of 5-6mm) with a lot of quartz + pyrite veinlets, light gray colored. 86.5-87.5m: strongly silicified zone with strong dissemination of pyrite, with quartz + pyrite vein (w= more then 5cm, ∠80deg.). 87.6-89.3m: slightly silicified zone with dense network of pyrite, with quartz + pyrite veinlets	2	3	3	1	0	8-86.0 P	86.0 - 87.0	103	<0.1	44.2	18.6	36.2	28.0
		3	4	3	1	0								
89.3		1	1	3	2	1		87.0 - 89.0	130	<0.1	96.2	18.0	54.2	50.0
		0	0	2	1	0								
		0	0	2	1	0								
		0	0	2	1	0		89.0 - 92.0	97	0.2	147.6	18.4	68.0	8.0
		0	0	2	1	0								
94.5	**89.3-94.5m**: brownish gray colored porphyry plagioclase phenocrysts (◇5-7mm) change to white clay, hornblende phenocrysts change to chlorite 89.6-90.0m, 90.4-90.6m, 92.6-93.4m: dense network of pyrite & dense network of quartz + pyrite	0	0	2	1	0								
		1	1	3	2	0		92.0 - 95.0	47	<0.1	61.6	21.8	60.8	8.0
		0	1	3	2	0								
		1	2	3	2	0								
98.3		1	2	3	2	1		95.0 - 98.3	113	<0.1	64.2	14.8	75.4	15.0
	94.5-98.3m: strongly argillized & weakly silicified zone with dense network of quartz + pyrite, with pyrite dissemination	4	4	3	1	1								
		4	4	3	1	1		98.3 - 100.0	80	<0.1	31.6	14.8	49.0	<2.0
		4	4	3	1	1	8-102.0 P	100.0 - 101.0	43	<0.1	45.0	17.8	55.2	<2.0
		4	4	3	1	1		101.0 - 102.0	30	<0.1	22.8	13.4	43.6	<2.0
102.9	**98.3-102.9m**: strongly silicified breccia, with pyrite dissemination, with a lot of quartz + pyrite veinlets, with dense network of quartz breccia consists of white breccia of porphyry (◇2-5cm) & dark gray colored silicified matrix	4	4	3	1	1		102.0 - 103.0	30	0.2	50.0	16.6	54.2	23.0
		2	2	3	1	0								
105.5		2	2	4	1	0	8-104.0 PTX1	103.0 - 105.5	97	<0.1	157.4	14.4	81.0	26.0
	102.9-105.5m: argillized & slightly silicified porphyry, light gray colored, with dense network of quartz, quartz + pyrite, clay & chlorite. pyrite dissemination is weak	1		2	1	0								
		0	0	2	2	0								
		0	0	2	2	0								
109.5		0	0	2	2	0		105.5 - 109.5	93	0.2	117.6	23.0	101.2	34.0
		0	1	2	2	0								
	105.5-109.5m: weakly argillized porphyry, plagioclase phenocrysts change to white clay minerals, all mafic minerals change to chlorite, groundmass is mainly composed of K-feldspar & quartz	1	1	4	3	0								
113.0		1	1	4	3	0								
		0	1	4	3	0		109.5 - 113.0	73	0.2	102.0	22.0	72.0	49.0
114.7	**109.5-113.0m**: pale gray or pale green colored, strongly argillized rock, with a lot of quartz veinlets (∠40-70deg., w=3-6mm, 3-4cm interval), with a lot of pyrite stringers	0	0	1	2	0								
		0	0	1	2	0		113.0 - 114.7	57	<0.1	83.8	28.8	103.4	47.0
		1	3	2	3	0								
		2	4	1	2	0								
	113.0-114.7m: porphyritic dacite dyke, ∠65deg., w=80cm±, plagioclase phenocrysts change to white clay & mafic minerals change to chlorite traces of quartz + pyrite veinlets (∠70deg., w=5mm±) are found	2	5	0	0	0		114.7 - 118.0	113	0.2	129.0	50.2	56.4	58.0
		3	5	0	0	0		118.0 - 119.0	110	0.2	46.4	54.0	46.0	<2.0
		3	5	0	0	0	8-121.0 P1	119.0 - 120.0	77	0.4	52.6	101.8	30.8	28.0
		3	5	0	0	0		120.0 - 121.0	70	0.6	39.0	137.8	27.0	43.0
		2	5	0	0	0		121.0 - 122.0	93	0.4	51.2	78.0	44.8	29.0
		3	5	0	0	0		122.0 - 123.0	40	<0.1	11.4	40.2	38.0	20.0
		3	5	0	0	0		123.0 - 124.0	23	<0.1	24.6	41.4	52.6	18.0
		3	5	0	0	0		124.0 - 125.0	30	<0.1	20.8	33.2	39.2	28.0
		3	5	0	0	0								
		3	5	0	1	0		125.0 - 127.0	30	0.4	30.2	127.4	56.6	<2.0
		2	5	0	1	0								
	114.7-130.7m: strongly silicified zone, pale gray to greenish gray colored, with pyrite veinlets (3-4cm interval), & with pyrite dissemination, & with pyrite pools original rock texture is completely destroyed by strong silicification, porphyritic texture is rarely observed (plagioclase phenocrysts change to sericite 115-117m & 129.1-130.7m: transitional zone between silicified zone & argillized zone, a lot of quartz + pyrite veinlets & stringers are observed	2	5	0	1	0		127.0 - 129.0	63	0.2	88.8	70.2	53.8	<2.0
130.7		1	3	2	2	1								
		1	3	2	2	1								
		0	1	3	2	0		129.0 - 132.0	80	<0.1	71.8	43.2	53.4	23.0
	130.7-138.8m: pale green to light gray colored, strongly argillized & slightly silicified porphyry, with a lot of quartz, quartz + pyrite, pyrite stringers (∠40-70deg., 2-5cm intervals), pyrite dissemination is weak, original rock texture is clear, plagioclase phenocrysts & groundmass change to white clay, mafic mineral phenocrysts change to chlorite.	0	1	3	2	0								
		0	1	3	2	0								
		0	1	3	2	0		132.0 - 135.0	53	<0.1	85.2	23.0	81.6	30.0
		0	1	3	2	0								
		0	1	3	2	0								
138.8		0	1	3	2	0		135.0 - 138.0	77	<0.1	107.0	25.4	83.6	34.0
		0	1	3	2	0								
		0	1	3	2	0								

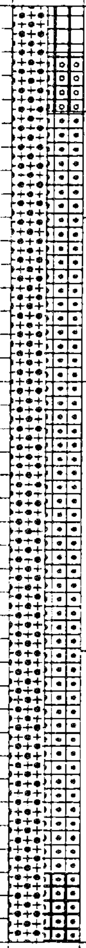
Appendix 8 Log of the Drill Hole "MJTA-8" (3/4)

Scale (m)	Column	Depth (m)	Description	Sulfidation	Silicifica.	Argiliza.	Chloriliza.	Epidotiza.	Examined Sample	Assay Interval	Assay results Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
		140.6	**140.6-142.5m**: strongly silicified rock, with quartz + pyrite veinlets & stringers, with quartz, + pyrite pools (ø 1-2cm), rock texture is dstroyed by strong silicification	1	3	2	2	1		138.0 - 141.0	90	<0.1	169.2	30.0	73.8	48.0
		142.5		2	4	1	2	2								
		143.0	**143.0-146.7m**: strongly silicified rock, with quartz + pyrite network, with quartz network, with quartz + pyrite pools, rock texture is completely destroyed by strong alteration	1	3	2	2	1								
				2	4	2	3	1		141.0 - 144.0	67	<0.1	94.4	33.4	56.0	23.0
				2	4	2	3	1								
				2	4	2	3	1								
		146.7		2	4	2	3	1		144.0 - 147.0	57	<0.1	75.2	33.4	68.6	35.0
		148.0	**146.7-148.0m**: gray, argillized & slightly silicified porphyry with pyrite stringers	0	2	3	2	1								
				0	3	3	2	1								
				1	4	3	2	1	8-150.4 PX	147.0 - 150.0	70	<0.1	126.4	65.6	92.0	44.0
150			**148.0-151.4m**: light gray colored, strongly silicified , rock with pyrite dissemination, with pyrite network, with pyrite + quartz network, original rock texture is destroyed by strong alteration	3	4	2	2	1		150.0 - 151.0	60	<0.1	225.0	22.8	68.4	<2.0
		151.4	shear zone	3	2	3	2	2	8-151.0 T	151.0 - 152.0	50	<0.1	144.4	31.4	80.6	30.0
		151.5		3	4	3	2	1		152.0 - 153.0	57	0.8	83.4	22.8	73.2	<2.0
		154.3	**151.4-151.8m**: pale green colored, strongly argillized rock with quartz + pyrite stringers (interval of 3cm), slightly silicified, total amount of sulfide is 3%	3	4	3	2	1		153.0 - 154.0	43	<0.1	121.6	32.0	56.0	<2.0
				4	5	1	1	1		154.0 - 155.0	53	0.4	102.2	50.0	77.6	<2.0
				4	5	1	1	1	8-157.0 PT	155.0 - 156.0	57	3.0	189.4	19.8	91.2	<2.0
				4	5	1	1	1		156.0 - 157.0	53	0.6	63.4	41.2	47.2	<2.0
				4	5	0	0	0		157.0 - 158.0	103	1.4	67.4	68.8	45.2	<2.0
		158.7	**151.8-154.3m**: light gray colored, strongly silicified rock, with quartz + pyrite network, with pyrite network, with quartz network with pyrite dissemination	3	5	1	1	0								
				3	5	1	1	0								
160				3	5	1	1	0		158.0 - 161.0	50	0.2	135.8	87.2	40.4	<2.0
		161.5	**154.3-158.7m**: strongly silicified rock, with strong dissemination of pyrite (3-4%), with a lot of pyrite veinlets, with quartz + pyrite & quartz veinlets, (∠60deg. ±, w=5-10mm, 2-4cm interval), original rock texture is completely destroyed	3	5	1	1	0								
				2	3	4	3	1		161.0 - 163.0	90	1.2	152.0	36.2	74.8	<2.0
				2	3	4	3	1								
		165.0		3	5	1	1	0		163.0 - 165.0	127	<0.1	249.4	43.8	66.4	<2.0
			158.7-161.5m: strongly silicified rock with pyrite dissemination & pyrite network, coarse grained quartz veinlets & quartz stringers occur (3-4cm interaval), original rock texture (porphyritic texture) is slightly observed	0	1	3	3	0								
				0	1	3	3	0								
				0	1	3	3	0		165.0 - 168.0	70	<0.1	95.0	64.6	71.8	<2.0
				0	1	3	3	0								
				0	1	3	3	0								
170			**161.5-165.0m**: strongly silicified rock, fine grained rock, original rock texture is destroyed by strong silicification	1	3	2	3	0		168.0 - 171.0	90	0.6	94.6	22.8	75.0	<2.0
			strong dissemination of pyrite & dense network of pyrite are widely developed	0	1	3	3	0		171.0 - 172.0	60	3.4	137.2	19.2	77.2	<2.0
		172.4	162.5-163.4m: strongly argillized porphyry, slightly silicified, pyrite dissemination is very weak	0	1	3	3	0								
				1	2	3	3	0								
				1	2	3	3	0		172.0 - 175.0	77	0.2	132.8	26.0	68.0	<2.0
				1	3	2	3	0								
			165.0-172.4m: greenish gray colored, strongly argillized & strongly chloritized porphyry, with quartz + pyrite veinlets (∠60deg., w=4-10mm, interval of 3-5cm), pyrite dissemination is weak	1	3	1	2	0								
		177.0	170.0-170.6m: strongly silicified rock, fine grained rock, original rock texture is destroyed by strong silicification, total amount of disseminated pyrite is about 1%	0	0	1	2	0		175.0 - 178.0	37	<0.1	76.0	34.6	98.4	2.0
				0	0	1	2	0								
180				0	0	1	2	0								
				0	0	1	2	0		178.0 - 181.0	23	0.4	100.8	15.0	148.0	<2.0
				0	0	1	2	0								
				0	0	1	2	0								
			172.4-177.0m: strongly argillized & chloritized porphyry and strongly silicified porphyry, contact boundaries between argillized part and silicified part are irregular	0	0	1	2	0		181.0 - 184.0	<10	<0.1	93.0	10.6	127.0	<2.0
				0	0	1	2	0								
		185.8	argillized & chloritized part: pyrite dissemination is very weak (<1%)	0	0	1	2	0		184.0 - 186.0	17	1.0	39.2	11.6	115.8	<2.0
				1	3	1	1	0								
		188.0	silicified part: pyrite dissemination is strong (2%±)	3	4	1	1	0								
				0	0	2	3	0		186.0 - 189.0	210	1.8	78.0	11.4	70.0	<2.0
190		190.0	**177.0-185.8m**: fine grained andesite? dyke, with chloritized hornblende phenocrysts (ø 1mm) & argillized plagioclase phenocrysts (ø 1-2mm), traces of clay veinlets occur (interval of 4-10cm)	0	1	2	3	0								
				1	3	2	3	0								
		192.0	165.5m: quartz + pyrite vein, w=25cm ∠50deg., including coarse grained pyrite	1	3	2	3	0		189.0 - 192.0	70	<0.1	147.2	24.8	81.4	<2.0
				0	0	1	3	1								
				0	0	1	3	1								
				0	0	1	3	1		192.0 - 195.0	70	<0.1	69.2	19.2	87.8	<2.0
			188.0-190.0m: green colored porphyry, argillized & chloritized, with quartz + pyrite veinlets (∠70deg., w=5-10mm), with quartz stringers (2-5cm interval)	0	0	1	3	1								
				0	0	1	3	1								
				0	0	1	3	1		195.0 - 198.0	60	<0.1	154.0	28.8	80.4	2.0
			190.0-192.0m: strongly silicified rock with pyrite dissemination, showing brecciated structure, (ø 2-4cm)	0	0	1	3	1								
				0	0	1	3	1								
200			**192.0-205.3m**: chloritized porphyritic dacite (dyke?), with weak argillization, rock texture is clear, with quartz + pyrite stringers, with quartz stringers, with epidote + pyrite stringers (interval of 3-5cm)	0	0	1	3	1		198.0 - 201.0	50	1.2	98.2	34.2	85.8	<2.0
				0	0	1	3	1								
				0	0	1	3	1								
			pyrite dissemination is weak	0	0	1	3	1		201.0 - 204.0	50	0.2	104.8	16.2	94.6	<2.0
		205.3	fractured rock (cracky core)	0	0	1	3	1								
				0	0	1	3	2								
			205.3-214.4m: chloritized porphyry, weakly argillized, pyrite stringers occur (interval of 2-5cm), fractured core (cracky core), original rock texture is clear	0	0	1	3	2		204.0 - 207.0	40	0.8	97.0	22.8	86.8	<2.0
				0	0	1	3	2								
				0	0	1	3	2								
				0	0	1	4	2		207.0 - 210.0	70	<0.1	86.4	25.2	81.2	<2.0

Appendix 8 Log of the Drill Hole "MJTA-8" (4/4)

Scale (m): 220, 230, 240, 250, 260, 270

Column:



Depth (m)	Description
214.4–219.0	**214.4-219.0m**: strongly silicified zone, greenish dark gray colored, original rock texture is not clear because of strong solidification, plagioclase phenocrysts show pale green colored (epidotized?), all mafic minerals change to chlorite, small amount of pink colored anhedral minerals (K-feldspar??) occur locally. pyrite stringers, chlorite + pyrite stringers & quartz + pyrite veinlets occur (interval of 2-3cm), pyrite dissemination is weak, traces of chalcopyrite stringers occur locally
219.0–226.0	**219.0-226.0m**: strongly silicified rock, greenish dark gray colored. dense network of quartz, quartz + pyrite, pyrite, chlorite + pyrite, quartz + calcite + pyrite. weak dissemination of pyrite. a lot of veins & veinlets of quartz & quartz + pyrite (interval of 5-15cm, ∠40-80deg., w=4-15mm)
226.0–237.5	**226.0-237.5m**: greenish dark gray colored, strongly silicified porphyry, with network of quartz + pyrite, pyrite (1-3cm interval), with veinlets of quartz + pyrite (5-10cm interval). rock texture is not clear because of the strong silicification, chloritization & epidotization, plagioclase phenocrysts change to pale green colored minerals (epidote?), groundmass is replaced by quartz & chlorite, pink colored anhedral minerals locally occur in the groundmass (K-feldspar?) 232m: quartz + pyrite vein, ∠60-70deg., w=1cm 235m: quartz + pyrite vein, ∠45deg., w=1cm 236.5m: quartz vein, ∠85deg., w=0.5-1.5cm
237.5–250.0	**237.5-250.0m**: light gray to greenish light gray colored, strongly silicified rock, chloritized & weakly epidotized, rock texture is completely destroyed by strong alteration. with quartz stringers & quartz + pyrite stringers (∠40-75deg., intervals of 2-3cm). with quartz + pyrite veinlets (∠70-90deg.) rarely occur 247-250m: clay veins (w=2-10mm) rarely occur 240m, 245m: quartz + pyrite vein (∠50-55deg., w=15mm)

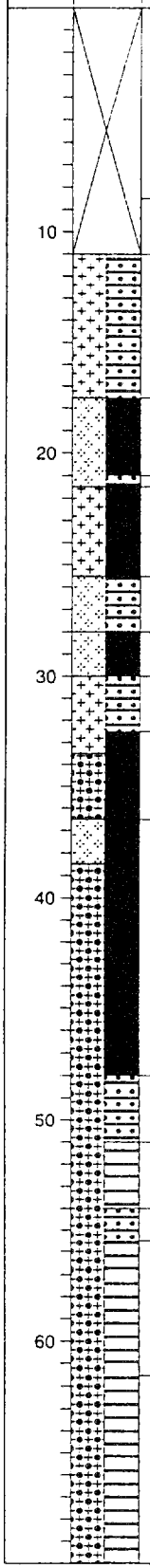
Alteration (rows listed from the top of the log down):

Sulfidation	Silicifica.	Argilliza.	Chloritiza.	Epidotiza.
0	0	1	4	2
0	0	1	4	2
1	1	1	4	2
1	1	1	3	1
1	1	1	3	1
2	3	2	2	1
2	3	2	2	1
2	3	2	2	2
2	3	2	2	1
2	4	2	2	2
2	4	2	2	2
2	4	2	2	2
2	4	2	2	2
2	4	2	2	2
2	4	2	2	2
2	4	2	2	2
1	4	1	2	2
1	4	1	2	2
1	4	1	2	2
1	4	1	2	2
1	4	1	2	2
2	4	1	2	2
1	4	1	2	2
1	4	1	2	2
1	4	1	2	2
1	4	1	2	2
0	4	1	2	2
1	4	1	2	2
1	4	2	2	2
1	4	2	2	2
1	4	2	2	2
1	4	2	2	2
1	4	2	2	2
1	4	2	2	2
1	4	2	2	2
1	4	2	2	2
1	4	2	3	2
1	4	3	3	2
1	3	3	3	2
1	2	3	3	2

Examined Sample: 8-231.0 TX; 8-240.2 P; 8-249.1 PTXI

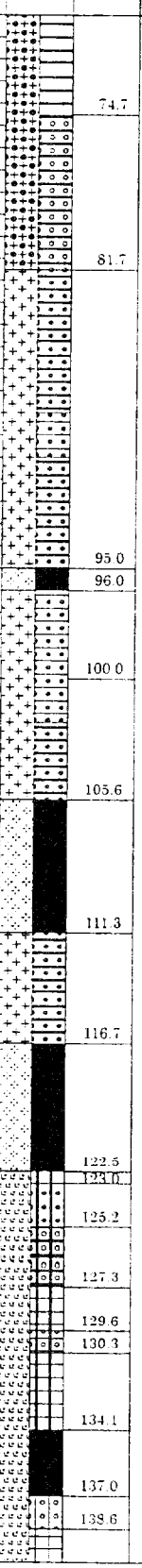
Assay Interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
210.0-213.0	80	<0.1	115.6	37.0	79.0	<2.0
213.0-216.0	100	<0.1	116.4	43.4	74.6	<2.0
216.0-219.0	80	<0.1	88.8	29.2	63.8	<2.0
219.0-222.0	50	0.2	96.0	39.0	86.0	15.0
222.0-224.0	40	<0.1	82.0	26.0	80.0	46.0
224.0-227.0	30	<0.1	87.0	24.0	76.0	10.0
227.0-230.0	30	<0.1	37.0	24.0	80.0	8.0
230.0-233.0	20	<0.1	67.0	51.0	109.0	8.0
233.0-237.0	50	<0.1	34.0	36.0	73.0	15.0
237.0-240.0	30	<0.1	76.0	17.0	55.0	2.0
240.0-243.0	40	<0.1	84.0	19.0	68.0	<2.0
243.0-246.0	30	<0.1	59.0	18.0	62.0	<2.0
246.0-248.0	20	<0.1	101.0	21.0	57.0	<2.0
248.0-250.0	30	<0.1	82.0	36.0	62.0	<2.0

Appendix 9 Log of the Drill Hole "MJTA-9" (1/5)



Depth (m)	Description	Sulfidation	Silicifica.	Argilliza.	Chloritiza	Epidotiza.	Examined Sample	Assay Interval	Assay results Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
	0.0-8.6m: surface soil, reddish brown colored, it contains pebbles (Φ2-4cm) of weathered granite	-	-	-	-	-								
		-	-	-	-	-		0.0 - 3.0	70	2.8	77.0	22.0	53.0	8.0
		-	-	-	-	-								
		-	-	-	-	-								
		-	-	-	-	-		3.0 - 6.0	20	4.2	119.0	17.0	51.0	<2.0
8.6	**8.6-11.2m**: boulders of silicified & argillized granite, matrix is composed chiefly of pebbly sand	-	-	-	-	-								
		-	-	-	-	-								
	11.2-17.4m: dense network of quartz + hematite, in the white argillized rock, with hematite dissemination	-	-	-	-	-		6.0 - 9.0	30	3.0	66.0	14.0	41.0	<2.0
	original rock may be fine grained, original rock texture is completely destroyed by strong alteration	-	-	-	-	-								
11.2	oxide zone	-	-	-	-	-								
		-	2	2	0	0		9.0 - 12.0	30	1.0	34.0	15.0	27.0	<2.0
	17.4-20.8m: hematite dense network & hematite dissemination in strongly silicified rock, original rock texture can not be distinguished	-	2	2	0	0								
	oxide zone	-	3	2	0	0								
		-	3	2	0	0		12.0 - 15.0	<10	1.0	21.0	18.0	29.0	<2.0
17.4	**20.8-21.6m**: hematite concentration zone, oxide zone	-	3	2	0	0								
		-	3	2	0	0		15.0 - 18.0	10	0.6	16.0	21.0	35.0	<2.0
	21.6-25.4m: network of hematite + quartz & dissemination of hematite in strongly silicified rock, original rock texture can not be distinguished, medium grained granite ??	-	4	1	0	0								
		-	4	1	0	0								
20.8	oxide zone	-	4	1	0	0		18.0 - 21.0	<10	0.6	16.0	16.0	28.0	<2.0
21.6		-	3	0	0	0								
		-	4	1	0	0								
	25.4-28.0m: network & dissemination of hematite in silicified & argillized rock, hematite concentration bands (width: 10-30cm) occur frequently, original rock texture can not be distinguished	-	4	1	0	0		21.0 - 24.0	10	1.0	19.0	15.0	30.0	13.0
		-	4	1	0	0								
25.4	oxide zone	-	2	3	0	0								
		-	3	3	0	0		24.0 - 27.0	20	1.0	23.0	13.0	27.0	<2.0
28.0	**28.0-30.0m**: strongly silicified massive rock, with hematite veinlets, with quartz veinlets, & with hematite dissemination, original rock texture is completely destroyed by strong alteration, light gray colored	-	3	3	0	0								
		-	4	1	0	0								
30.0	oxide zone	-	4	1	0	0		27.0 - 30.0	20	1.0	23.0	22.0	38.0	20.0
		-	3	3	0	0								
	30.0-32.7m: strongly silicified & argillized rock, with a lot of hematite veinlets, with hematite dissemination, original rock texture is completely destroyed by strong alteration, fine grained granite ??	-	3	3	0	0								
32.7	oxide zone	-	3	3	0	0		30.0 - 33.0	10	1.0	16.0	15.0	26.0	30.0
		-	4	1	0	0								
	32.7-36.5m: transition zone between sulfide zone & oxide zone	-	4	1	0	0								
	hematite + quartz network, & pyrite + hematite disseminatioin	-	4	1	0	0		33.0 - 36.0	20	1.2	27.0	30.0	26.0	20.0
	32.7-33.6m: strongly silicified granite	0	4	1	0	0								
	33.6-36.5m: strongly silicified porphyry	1	4	1	0	0								
36.5		1	4	1	0	0		36.0 - 39.0	30	0.8	21.0	16.0	27.0	13.0
		0	4	1	0	0								
	36.5-48.1m: sulfide zone start from 36.5m	0	4	1	0	0								
	36.5-38.5m: strongly silicified fine grained rock, with a lot of quartz veinlets (∠40-50deg., width: 2-4mm), with pyrite + (chalcopyrite?) dissemination, light gray colored	2	4	1	0	0		39.0 - 42.0	10	1.0	13.0	27.0	27.0	16.0
	38.5-41.0m: strongly silicified porphyry, weak dissemination of pyrite, light gray colored	3	4	1	0	0		42.0 - 43.0	20	1.2	19.0	16.0	26.0	8.0
	41.0-48.1m: strongly silicified porphyry with a lot of quartz veinlets & pyrite stringers, with strong dissemination of pyrite + (chalcopyrite ?), total amount of sulfide is 3-4% or more	4	4	1	0	0		43.0 - 44.0	20	1.4	17.0	15.0	27.0	<2.0
		3	4	1	0	0	9-45.7 PT	44.0 - 45.0	30	1.2	28.0	16.0	26.0	<2.0
		4	4	1	0	0		45.0 - 46.0	10	1.8	27.0	35.0	42.0	16.0
48.1		4	4	1	0	0		46.0 - 47.0	40	1.2	29.0	22.0	34.0	20.0
		3	4	1	0	0		47.0 - 48.0	10	2.6	29.0	19.0	27.0	10.0
		3	3	2	0	0								
	48.1-50.8m: fractured zone, pebbly core	4	3	2	0	0								
	silicified & argillized rock, with strong dissemination of pyrite, with a lot of pyrite stringers, sulfide grain is very small, original rock texture can not be distinguished	4	3	2	0	0		48.0 - 51.0	20	3.4	54.0	19.0	28.0	8.0
50.8		2	0	5	0	0								
		3	0	5	0	0								
54.0		3	0	5	0	0		51.0 - 54.0	20	0.8	26.0	18.0	31.0	2.0
	50.8-54.0m: white clay, with network & dissemination of pyrite, total amount of pyrite is about 3%	3	3	3	0	0								
55.6		3	3	3	0	0								
		2	0	4	0	0		54.0 - 57.0	40	1.2	46.0	16.0	27.0	7.0
	54.0-55.6m: silicified & argillized white rock, with strong dissemination of pyrite + (chalcopyrite ?), including small grains of black mineral (magnetite ?), original rock texture can not be distinguished, porphyry ??	2	0	4	0	0								
		2	0	4	0	0								
		2	0	4	0	0		57.0 - 60.0	40	0.8	42.0	20.0	30.0	8.0
		2	0	4	0	0								
61.7	**55.6-61.7m**: white clay, with sparse network & weak dissemination of pyrite, strongly argillized porphyry ??	2	0	4	0	0								
		1	0	5	0	0		60.0 - 63.0	30	1.4	60.0	19.0	35.0	<2.0
	61.7-74.7m: white clay, fine grained, massive, this zone is subjected to strong argillization which cased them to turn white, original rock may be porphyry	1	0	5	0	0								
		1	0	5	0	0								
	pyrite dissemination & pyrite stringers occur, total amount of pyrite is 1-3%, disseminated black minerals (that is very fine grained) locally occur, magnetite ??	1	0	5	0	0		63.0 - 66.0	30	1.6	67.0	21.0	41.0	8.0
		2	0	5	0	0								
		2	0	5	0	0								
		1	0	5	0	0		66.0 - 69.0	60	1.4	148.0	23.0	35.0	13.0
		1	0	5	0	0								

Appendix 9 Log of the Drill Hole "MJTA-9" (2/5)



Depth (m)	Description	Sulfidation	Silicifica.	Argilliza.	Chloritiza.	Epidotiza.	Examined Sample	Assay Interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
74.7	**74.7-77.0m**: strongly argillized rock with pyrite network & pyrite dissemination, traces of chalcopyrite occur, hematite veinlets (width: 0.5 - 1.0cm) occur with pyrite stringers	2	0	5	0	0								
		3	0	5	0	0		69.0 - 72.0	40	1.4	264.0	19.0	52.0	13.0
		1	0	5	0	0	9-74.0 PX							
		1	0	5	0	0		72.0 - 75.0	30	1.6	163.0	20.0	61.0	<2.0
		1	0	5	0	0								
	77.0-81.7m: silicified & argillized porphyry, with pyrite network & pyrite dissemination	3	1	4	0	0								
	79.0-80.0m: pyrite + quartz veinlets, width: 5 - 8mm, ∠90deg.,	2	1	4	0	0								
		2	2	3	0	0		75.0 - 78.0	30	0.8	57.0	22.0	30.0	7.0
	81.7-95.0m: silicified & argillized rock with a lot of pyrite stringers & quartz veinlets, original rock texture can not be distinguished, fine to medium grained granite, ??	3	2	3	0	0								
		3	2	3	0	0								
		2	2	3	0	0		78.0 - 81.0	50	1.2	157.0	26.0	27.0	6.0
		3	2	3	0	0								
	strong dissemination of fine grained pyrite, rarely traces of disseminated chalcopyrite locally occur	3	3	2	0	0								
	81.7-88.0m: very small grains of black colored mineral are found	3	3	2	0	0		81.0 - 84.0	10	1.4	43.0	32.0	52.0	48.0
		3	3	3	0	0								
	95.0-96.0m: strongly silicified rock with strong dissemination of pyrite + (chalcopyrite?), with a lot of pyrite stringers	3	3	3	0	0								
		3	3	3	0	0	9-87.5 X	84.0 - 87.0	10	0.9	27.0	31.0	26.0	8.0
	95.1m: pyrite veinlet, width:5mm, ∠65deg.,	3	3	3	0	0								
		3	4	2	0	0								
95.0		3	4	2	0	0								
	96.0-100.0m: silicified granite, with strong dissemination of pyrite + (chalcopyrite), with pyrite stringers, with silicified veins							87.0 - 90.0	20	0.4	80.0	29.0	28.0	24.0
		3	3	3	0	0								
	pale green colored mineral (epidote?) appears to have been derived from the alteration of plagioclase	2	3	3	0	0								
		3	3	3	0	0		90.0 - 93.0	20	0.6	50.0	39.0	29.0	<2.0
		3	3	3	0	0								
96.0		3	2	3	0	0		93.0 - 95.0	10	1.2	22.0	37.0	27.0	<2.0
	100.0-105.6m: greenish light gray colored granitoid, plagioclase is altered to epidote ?, mafic minerals change to chlorite & magnetite ?, with strong dissemination of pyrite + (chalcopyrite), with a lot of quartz + pyrite stringers, with a lot of pyrite stringers	4	4	1	0	0		95.0 - 96.0	20	1.4	31.0	41.0	29.0	<2.0
		3	3	2	0	0								
		2	3	2	0	1								
100.0		2	3	2	0	1		96.0 - 99.0	20	1.2	41.0	24.0	29.0	<2.0
		3	3	2	0	1								
		2	3	2	0	1								
		3	4	2	0	1		99.0 - 102.0	30	1.4	45.0	29.0	48.0	<2.0
		3	3	3	0	1								
		3	3	3	0	1								
		3	2	3	0	1		102.0 - 105.0	40	0.4	52.0	30.0	33.0	<2.0
		3	3	2	0	0								
105.6		4	4	2	0	0								
	111.3-116.7m: greenish light gray colored argillized & silicified granitoid, medium grained granite ??, with pyrite stringers, with pyrite + (chalcopyrite ?) dissemination, with pyrite network, with a lot of quartz + pyrite veinlets, total amount of sulfide is 2-3%,	3	5	1	0	0	9-109.3 PT	105.0 - 108.0	30	2.6	52.0	32.0	29.0	14.0
		4	5	0	0	0								
		4	5	0	0	0								
		4	5	0	0	0		108.0 - 111.0	30	2.2	39.0	72.0	37.0	<2.0
		2	3	3	0	1								
111.3		3	3	3	0	1								
		2	2	3	0	2		111.0 - 114.0	30	1.4	38.0	21.0	32.0	<2.0
		3	2	3	0	1								
		3	2	3	0	1								
		2	4	2	0	0		114.0 - 117.0	40	1.6	17.0	25.0	37.0	<2.0
		3	5	0	0	0								
116.7		3	5	0	0	0								
		3	5	0	0	0		117.0 - 120.0	40	2.8	56.0	112.0	54.0	<2.0
		3	5	0	0	0								
		1	5	0	0	0								
		1	2	1	0	0		120.0 - 123.0	50	2.2	217.0	17.0	50.0	<2.0
		2	3	0	1	0								
		1	2	0	3	0								
122.5		2	1	3	3	2		123.0 - 126.0	30	1.0	56.0	20.0	78.0	<2.0
123.0														
		3	1	3	3	2								
125.2		1	1	3	3	2								
		1	0	1	3	0		126.0 - 129.0	30	2.0	26.0	12.0	140.0	<2.0
		2	2	1	3	1								
127.3		2	0	1	3	1								
		1	0	1	3	0		129.0 - 132.0	30	1.8	23.0	9.0	143.0	<2.0
		2	0	1	3	0								
129.6		1	0	1	3	0								
		2	5	0	3	2	9-136.0 P	132.0 - 135.0	40	1.8	132.0	11.0	116.0	<2.0
130.3		4	5	0	1	1								
		4	5	0	1	1								
		2	2	0	2	2		135.0 - 138.0	40	2.2	49.0	21.0	36.0	<2.0
134.1		3	0	1	2	0								
		3	0	1	2	0								
137.0														
138.6														

74.7-77.0m: strongly argillized rock with pyrite network & pyrite dissemination, traces of chalcopyrite occur, hematite veinlets (width: 0.5 - 1.0cm) occur with pyrite stringers

77.0-81.7m: silicified & argillized porphyry, with pyrite network & pyrite dissemination

79.0-80.0m: pyrite + quartz veinlets, width: 5 - 8mm, ∠90deg.,

81.7-95.0m: silicified & argillized rock with a lot of pyrite stringers & quartz veinlets, original rock texture can not be distinguished, fine to medium grained granite, ??

strong dissemination of fine grained pyrite, rarely traces of disseminated chalcopyrite locally occur

81.7-88.0m: very small grains of black colored mineral are found

95.0-96.0m: strongly silicified rock with strong dissemination of pyrite + (chalcopyrite?), with a lot of pyrite stringers

95.1m: pyrite veinlet, width:5mm, ∠65deg.,

96.0-100.0m: silicified granite, with strong dissemination of pyrite + (chalcopyrite), with pyrite stringers, with silicified veins

pale green colored mineral (epidote?) appears to have been derived from the alteration of plagioclase

100.0-105.6m: greenish light gray colored granitoid, plagioclase is altered to epidote ?, mafic minerals change to chlorite & magnetite ?, with strong dissemination of pyrite + (chalcopyrite), with a lot of quartz + pyrite stringers, with a lot of pyrite stringers

105.6-111.3m: strongly silicified rock, dark gray to light gray colored, with strong dissemination of pyrite & (chalcopyrite) & black mineral (magnetite ?), sulfide minerals are very fine grained

a lot of pyrite veinlets & quartz + pyrite veinlets occur, ∠60-90deg.,

109.2-109.6m: brecciated zone

111.3-116.7m: greenish light gray colored argillized & silicified granitoid, medium grained granite ??, with pyrite stringers, with pyrite + (chalcopyrite ?) dissemination, with pyrite network, with a lot of quartz + pyrite veinlets, total amount of sulfide is 2-3%,

116.7-122.5m: strongly silicified rock, dark gray to light gray colored, with strong dissemination of pyrite, with a lot of pyrite veinlets

119.0-120.5m: quartz + pyrite veins & pyrite veins occur, with ameba shaped pyrite pools (Φ1-2cm)

122.5-123.0m: chloritized porphyritic rhyolite dyke, ∠55deg., with pyrite stringers, with weak pyrite dissemination

123.0-125.2m: brecciated zone, breccias are composed of quartz and silicified rock, Φ2-5cm, matrix is composed of strongly chloritized & weakly silicified material, with pyrite dissemination, amount of pyrite is 2-3%

125.0-125.2m: sheared zone, ∠60deg., width:15cm, dark gray to dark green colored clay

125.2-127.3m, 129.6-130.3m: greenish light gray colored altered granite, rock texture is clear

plagioclase changes to epidote & white clay, K-feldspar changes to white clay, mafic minerals change to chlorite & (magnetite ?), with pyrite network, with pyrite dissemination, with minor veinlets of quartz + pyrite

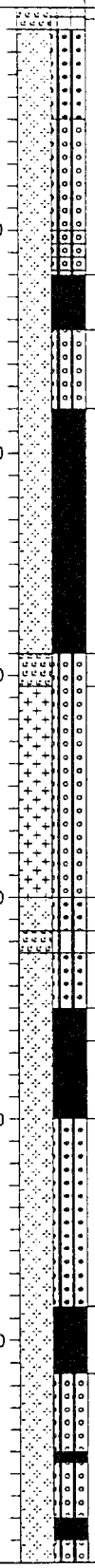
127.3-129.6m, 130.3-134.1m: porphyritic dacite dyke, plagioclase >> quartz phenocrysts give this rock porphyritic appearance, groundmass is dark green colored (by chloritization)

pyrite dissemination, pyrite stringers & pyrite network are found, amount of pyrite is 1-2%

134.1-137.0m: dark gray colored, strongly silicified rock, with pyrite dissemination, with a lot of stringers of pyrite

137.0-138.6m: medium grained granite with silicification, epidotization & chloritization, greenish dark gray

Appendix 9 Log of the Drill Hole "MJTA-9" (3/5)

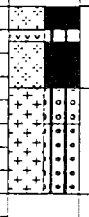


Depth (m)	Description	Sulfidation	Silicifica.	Argillza.	Chloritiza.	Epidotiza.	Examined Sample	Assay Interval	Assay results Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
	mafic minerals change to chlorite + (magnetite ?), feldspar changes to epidote	3	1	1	2	1		138.0 - 141.0	40	1.0	29.0	7.0	84.0	<2.0
	with dissemination & network of pyrite, with minor veinlets of quartz	3	3	2	2	1								
		3	3	0	1	1								
		3	3	0	2	2		141.0 - 144.0	30	1.0	109.0	9.0	52.0	<2.0
	138.6-140.7m: porphyritic dacite dyke, plagioclase (Φ 4-5mm) >> quartz phenocrysts give this rock porphyritic appearance	3	3	0	2	2								
	chloritization with pyrite dissemination	1	1	0	2	2								
		1	1	0	2	2		144.0 - 147.0	30	1.0	13.0	8.0	45.0	<2.0
	140.7-152.2m: greenish dark gray colored granitoid, with silicification, chloritization and epidotization, original rock texture is not clear by strong alteration	1	1	0	3	2								
150		0	1	0	3	2								
		2	0	1	3	2		147.0 - 150.0	30	1.8	19.0	6.0	52.0	<2.0
	pyrite dissemination, a lot of pyrite stringers, a lot of quartz + pyrite stringers, & a lot of chlorite stringers	2	1	2	3	3								
152.2		1	1	2	3	3		150.0 - 152.0	30	1.6	13.0	5.0	51.0	<2.0
	152.2-154.3m: strongly silicified rock with strong dissemination of pyrite, with a lot of pyrite veinlets (∠ 40-70deg., width: 2-3mm)	3	4	0	2	0								
154.3		3	4	0	2	0		152.0 - 154.0	30	1.4	24.0	13.0	49.0	<2.0
		2	2	0	3	2								
		2	2	0	3	2								
	154.3-157.9m: medium grained granite, greenish gray colored, with silicification, chloritization, & epidotization, with pyrite dissemination	2	2	0	3	2		154.0 - 157.0	30	2.0	41.0	9.0	52.0	<2.0
	a lot of chlorite stringers, quartz stringers, and pyrite stringers are found	2	2	0	3	2								
157.9		3	5	0	1	0								
		2	5	0	0	0	9-161.0 PI	157.0 - 160.0	40	2.6	28.0	11.0	44.0	<2.0
160		3	5	0	0	0		160.0 - 161.0	40	2.8	28.0	24.0	25.0	17.0
	157.9-169.0m: gray to dark gray colored, strongly silicified fine grained rock, original rock texture is completely destroyed by strong silicification	3	5	0	0	0		161.0 - 162.0	30	2.8	19.0	15.0	27.0	<2.0
	strong dissemination of fine grained pyrite, with a lot of pyrite stringers (∠60-90deg.)	4	5	0	1	0		162.0 - 163.0	30	4.0	18.0	50.0	28.0	<2.0
	158.0-158.5m: quartz veinlets, ∠30deg., width: 1-2cm	2	5	0	0	0		163.0 - 164.0	60	3.2	37.0	73.0	32.0	<2.0
	158.7-159.0m & 168.0-168.5m: brecciated zone (breccia: Φ2-5cm)	4	5	0	2	1	9-163.0 P	164.0 - 165.0	40	2.0	37.0	14.0	46.0	15.0
	164.2m: pyrite striners and pyrite + quartz pools	2	5	0	2	1								
	167.2m: pyrite vein, width: 1cm, ∠70deg.	3	5	0	1	0								
169.0		3	5	0	0	0		165.0 - 168.0	30	3.6	37.0	22.0	27.0	<2.0
	169.0-170.4m: porphyritic dacite, weakly silicified, strongly chloritized	3	5	0	0	0								
170		4	2	0	3	0	9-170.0 TI	168.0 - 171.0	40	2.8	29.0	21.0	40.0	16.0
170.4	pyrite dissemination & a lot of pyrite stringers, with traces of quartz + pyrite veinlets, ∠30deg.	2	3	0	3	3								
		3	2	0	3	3								
		2	2	0	3	3								
	170.4-180.0m: medium grained granite, green colored K-feldspar & plagioclase are altered to epidote & quartz, all mafic minerals are altered to chlorite	3	2	0	3	3		171.0 - 174.0	20	3.8	91.0	7.0	50.0	<2.0
		3	3	0	3	3								
	pyrite dissemination & pyrite veinlets (∠60-80deg. Interval of 5-6cm), with quartz + pyrite veinlets (∠ 70deg.), with a lot of chlorite stringers (∠60-80deg.)	2	1	1	2	2								
		2	1	1	2	2		174.0 - 177.0	20	1.8	22.0	15.0	44.0	<2.0
	amount of sulfide: 2-3% (170.4-175.0m), 1-2% (175.0-180.0m)	2	1	0	2	2								
180.0		1	1	0	2	2		177.0 - 180.0	20	2.6	15.0	9.0	54.0	<2.0
180		3	3	0	2	1		180.0 - 181.5	53	3.0	24.0	15.0	37.0	<2.0
181.5	**180.0-181.5m**: silicified granitoid, with pyrite dissemination, with pyrite network, with quartz + pyrite network, with chlorite network	2	0	0	3	0		181.5 - 182.5	43	2.8	244.0	14.0	75.0	<2.0
182.5		3	3	0	3	0								
	chlorite network is cut by pyrite network & by quartz + pyrite network	3	3	0	3	0								
		3	3	0	3	0	9-185.5 PT	182.5 - 185.0	43	3.6	44.0	17.0	36.0	21.0
185.0	180.0m: quartz vein, width: 1cm, ∠45deg.	4	5	0	2	0								
186.5	**181.5-182.5m**: porphyritic dacite dyke, with chloritization, with pyrite veinlets (width: 5mm, ∠ 15deg.), with pyrite dissemination	4	5	0	2	0		185.0 - 186.5	117	11.4	61.0	20.0	37.0	46.0
		3	5	0	2	0								
		3	5	0	2	1	9-187.0 I							
190.0	**182.5-185.0m**: strongly silicified & chloritized rock, with pyrite dissemination, with a lot of pyrite stringers, chlorite stringers, & quartz veinlets, total amount of pyrite is about 3%,	4	4	0	3	2		186.5 - 190.0	77	5.2	105.0	17.0	54.0	41.0
190		3	3	0	2	1								
	183.2-183.7m: brecciated zone	3	3	0	2	1	9-190.0 T							
		3	3	0	2	1		190.0 - 193.0	20	3.8	15.0	17.0	38.0	8.0
	185.0-186.5m: strongly silicified breccia, Φ2-10cm, matrix is strongly disseminated by pyrite, dark green to dark gray colored	3	3	0	2	1	9-195.0 PT							
		3	3	0	2	1								
		3	3	0	2	1		193.0 - 196.0	40	1.8	156.0	16.0	47.0	13.0
	186.5-190.0m: strongly silicified granitoid, with a lot of quartz + pyrite veinlets & chlorite + pyrite veinlets	3	3	0	2	1								
198.5		3	3	0	2	1								
	silicification after chloritization (& chlorite veinlets)	3	4	0	0	0		196.0 - 199.0	20	1.8	36.0	15.0	43.0	<2.0
	quartz + pyrite network, pyrite network & pyrite dissemination after chloritization (& chlorite veinlets)	3	5	0	0	0								
200		5	5	0	0	0		199.0 - 201.0	37	3.6	19.0	21.0	32.0	5.0
201.3	**190.0-198.5m**: silicified granite with quartz + pyrite network and with pyrite dissemination, pale green colored	3	4	0	2	1								
	198.5-201.3m: strongly silicified rock, dark gray colored	2	2	1	2	1								
		3	1	1	2	1		201.0 - 204.0	37	4.0	25.0	17.0	44.0	27.0
	dense network of pyrite, dense network of quartz + pyrite	2	1	1	2	1	9-206.0 X							
	strong dissemination of pyrite	3	2	1	2	1								
		3	2	1	2	1		204.0 - 207.0	33	0.4	28.0	16.0	43.0	10.0
	201.3-211.8m: weakly silicified, chloritized (mafic minerals) and epidotized (feldspar) granite, without pink feldspar	3	1	1	2	1	9-209.0 P							
		4	3	1	2	1								
		3	2	1	2	1		207.0 - 210.0	37	0.2	12.0	12.0	32.0	20.0

Appendix 9 Log of the Drill Hole "MJTA-9" (4/5)

Scale (m)	Column	Depth (m)	Description	Sulfidation	Silicifica	Argiliza	Chloritiza	Epidotiza	Examined Sample	Assay Interval	Assay results Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
			pale green colored	3	2	1	2	1								
		211.8	with a lot of quartz veinlets, quartz + pyrite veinlets (2-3cm intervals), quartz network, pyrite +chalcopyrite dissemination & pyrite stringers, ∠60-70deg.	3	2	1	2	1	9-212.5 P	210.0 - 211.8	37	2.4	16.0	21.0	37.0	692.0
			a lot of small scale silicified zones (width: 2-3cm) along quartz or quartz + pyrite veinlets, ∠45-70deg.	5	5	0	0	0		211.8 - 213.5	3883	13.8	37.0	80.0	36.0	22.0
		213.5		5	5	0	0	0								
				3	1	2	2	0								
				4	1	2	2	0								
			211.8-213.5m: strongly silicified rock, gray colored with strong dissemination of pyrite, with a lot of pyrite stringers	4	3	2	2	0		213.5 - 217.0	37	1.6	21.0	50.0	44.0	913.0
				4	3	2	2	0								
				4	3	2	2	0								
			213.5-221.8m: altered granite, all mafic minerals change to chlorite, feldspars change to white clay, weakly silicified, without pink feldspar	4	3	2	2	0		217.0 - 220.0	40	1.8	75.0	70.0	46.0	275.0
220			strong dissemination of pyrite (3-4%), with a lot of pyrite stringers	4	3	2	2	0								
		221.8		3	3	1	2	0								
		222.8	a lot of small scale silicified zones (width: 2-3cm) along quartz veinlets	4	5	0	0	0	9-224.0 IX	220.0 - 223.0	33	1.6	45.0	54.0	45.0	865.0
			light gray to white	3	3	1	1	0								
			217.0-220.0m: a lot of quartz veinlets (∠35-75deg., 3-10cm intervals), & quartz network	3	3	1	1	0								
				3	3	1	0	0		223.0 - 226.0	37	0.8	52.0	41.0	49.0	298.0
			221.8-222.8m: dark gray colored strongly silicified rock, with pyrite dissemination with a lot of stringers of pyrite & quartz + pyrite	3	3	1	0	0								
		229.0		3	3	1	0	0		226.0 - 229.0	30	0.8	68.0	29.0	54.0	715.0
				2	3	1	1	1								
230				3	4	0	1	1								
			222.8-229.0m: altered granite, weakly silicified, all mafic minerals change to quartz + pyrite + magnetite?, feldspars change to white clay	3	5	0	1	1		229.0 - 232.0	43	0.4	33.0	19.0	60.0	153.0
			light gray to white	4	4	0	0	1								
		234.2	a lot of quartz + pyrite veinlets (width: 5-10mm, ∠70-80deg.)	4	4	0	0	1		232.0 - 234.2	80	<0.1	36.0	17.0	45.0	510.0
			strong dissemination of pyrite	4	5	0	0	0								
		235.8		4	5	0	0	0		234.2 - 235.8	50	<0.1	87.0	28.0	36.0	288.0
				3	4	0	1	1								
			229.0-234.2m: strongly silicified granite, with a lot of veinlets of quartz + pyrite (width: 3-10mm, ∠45-75deg.) & with quartz + pyrite network	3	4	0	1	1								
			with strong dissemination of pyrite	3	4	0	1	1		235.8 - 239.0	30	<0.1	39.0	18.0	62.0	510.0
				3	4	0	1	1								
240				3	3	0	1	1								
			234.2-235.8m: strongly silicified rock, original rock texture is completely destroyed by the strong silicification	3	5	0	0	0		239.0 - 242.0	23	0.2	44.0	19.0	55.0	106.0
		241.5	strong dissemination of pyrite, with a lot of stringers (∠65deg.) of pyrite	3	4	0	0	0								
				3	3	0	1	1								
		242.7		3	3	0	1	1		242.0 - 245.0	27	0.4	73.0	21.0	52.0	155.0
			235.8-241.5m: silicified granite, sometimes rock texture is clear	3	3	0	1	1								
			a lot of quartz + pyrite veins (width: 10-25mm, ∠60±) & veinlets (width: 5-8mm, ∠60±) at intervals of 5-10cm	3	1	0	1	1								
		248.0	with traces of calcite veinlets	3	1	0	1	1		245.0 - 248.0	23	0.8	51.0	18.0	67.0	511.0
				2	5	0	0	0								
				2	5	0	0	0	9-250.0 IX							
250			**241.5-242.7m**: strongly silicified rock, with dense network of pyrite + quartz, with a lot of quartz + pyrite veinlets, with pyrite dissemination, & with pyrite stringers	3	5	0	0	1		248.0 - 251.0	33	0.2	28.0	21.0	52.0	11.0
				3	5	0	0	1								
				3	5	0	0	0								
		253.9	**242.7-248.0m**: silicified granite, pale greenish gray with a lot of quartz + pyrite veinlets (width: 5mm, ∠60±) at intervals of 3-8cm, with pyrite dissemination, & with pyrite + quartz network	3	5	0	0	0		251.0 - 254.0	37	0.6	50.0	45.0	39.0	61.0
				2	3	0	2	2								
				1	3	0	2	2								
			with traces of calcite veinlets, ∠20-60deg.	3	3	0	1	1		254.0 - 257.0	27	0.2	84.0	31.0	123.0	44.0
				2	4	0	1	1								
		259.0	**248.0-253.9m**: strongly silicified rock, fine grained original rock texture is completely destroyed by silicification, light gray	2	4	0	0	0		257.0 - 259.0	40	0.2	81.0	63.0	94.0	52.0
				0	0	0	1	0								
260			strong dissemination of pyrite, with a lot of pyrite stringers	0	0	0	1	0								
		261.5		0	0	0	1	0		259.0 - 261.5	27	0.2	38.0	25.0	152.0	24.0
			partly dark gray colored rock, epidotized rock ?	2	1	0	2	2								
				2	1	0	2	2								
		264.3	**253.9-259.0m**: silicified granite with quartz veinlets & quartz + pyrite veinlets (width: 5mm±, ∠60-70deg.) at intervals of 5-10cm	3	5	0	1	1		261.5 - 265.0	33	0.8	134.0	28.0	69.0	49.0
		265.0		0	0	0	2	1								
			light gray	0	0	0	2	1								
			257.0-259.0m: a lot of small scale silicified zones (width: 2-3cm) along quartz veinlets	0	0	0	2	1		265.0 - 268.0	20	<0.1	56.0	16.0	68.0	33.0
				0	0	0	2	1								
			259.0-261.5m: dark green colored, chloritized andesite dyke, ∠30-35deg., including small grains (Φ 1mm±) of plagioclase phenocryst	0	0	0	2	1								
270			small amount of quartz phenocrysts (Φ2mm) are found ??, dacite ??	0	0	0	2	1		268.0 - 271.0	30	<0.1	99.0	22.0	79.0	32.0
		272.6		0	0	0	2	1								
				0	3	0	2	1	9-273.0 T							
		274.0	**261.5-264.3m**: pale green colored, weakly silicified, chloritized (mafic minerals) and epidotized (feldspar) granite, without pink feldspar	1	5	0	1	2		271.0 - 274.0	23	0.2	37.0	19.0	85.0	38.0
				0	0	0	2	1								
		275.5		2	5	0	1	1								
		276.3	with pyrite dissemination (1-2%)	2	3	0	2	2	9-277.0 P	274.0 - 277.0	40	0.2	157.0	17.0	59.0	31.0
			with quartz stringers	2	3	0	2	2								
		278.2		1	0	2	3	1								
				1	0	2	3	1		277.0 - 280.0	17	2.6	64.0	19.0	76.0	37.0

Appendix 9 Log of the Drill Hole "MJTA-9" (5/5)



Scale (m)	Depth (m)	Description	Sulfidation	Silicifica.	Argiliza.	Chloritiza.	Epidotiza	Examined Sample	Assay Interval	Assay results Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
	283.7	**264.3-265.0m**: strongly silicified rock with quartz + pyrite veinlets, with pyrite dissemination, dark greenish gray to dark gray colored	0	3	0	2	1		280.0 - 281.5	17	0.8	76.0	27.0	117.0	44.0
			0	1	0	0	0		281.5 - 282.0	17	<0.1	83.0	18.0	71.0	<2.0
		265.0-272.6m, 274.0-275.5m: chloritized & epidotized granite, rock texture is clear, K-feldspar is clearly observed, green colored	2	4	0	0	0	9-281.7 P	282.0 - 283.7	23	<0.1	137.0	18.0	44.0	<2.0
		traces of quartz veinlets & chlorite veinlets are found at intervals of 1-2m	1	2	0	1	1								
			0	2	0	2	1								
			0	2	0	3	1		283.7 - 286.0	207	13.0	313.0	368.0	60.0	14.0
	288.0		1	3	0	3	1								
			0	3	0	2	1		286.0 - 288.0	40	2.4	246.0	27.0	73.0	<2.0
290		**272.6-274.0m, 275.5-276.3m**: dark green colored strongly silicified rock, all mafic minerals change to sericite + quartz													
		276.3-278.2m: dark green colored silicified rock, with pyrite dissemination, mafic minerals change to chlorite, with quartz veinlets (width: 3-5mm, ∠70deg.±), some quartz veins contain red colored mineral													
		278.2-280.2m: chloritized granite with pink feldspar, rock texture is clear, pale green colored													
		280.2-283.7m: dark green colored strongly silicified rock, with a lot of quartz veinlets (∠20-65deg.), except the interval of 281.5 - 282.7m													
		281.5-282.7m: light gray colored strongly silicified rock													
		281.5m: milky quartz vein with molybdenite + chalcopyrite, width: 12cm, ∠40deg.													
		283.7-288.0m: weakly silicified granite, green colored with a lot of quartz veins (width: 7-12mm, ∠70deg.±, with molybdenite??) at intervals of 10-20cm													

Appendix 10

Geochemical Results for Central Zalturbulak prospect

SAMPLE ID	Au	Ag	Cu	Zn	Pb	Mo	As	Ba	K	Na	Mg	Ca
SCHEME	AAS	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
LIMIT	0.01	0.2	0.5	0.5	2	1	3	1	0.01	0.01	0.01	0.01
MZB-1 - 24	0.01	<0.2	61	185	187	<1	<3	253	0.08	0.13	0.68	0.46
MZB-1 - 25	0.01	0.5	92.9	195	171	<1	<3	261	0.08	0.12	0.63	0.46
MZB-1 - 26	0.01	0.6	9.9	120	45	2	<3	21	0.09	0.09	0.69	0.33
MZB-2 - 19	0.01	<0.2	78.3	92.5	30	2	<3	143	0.12	0.07	0.59	0.86
MZB-2 - 20	0.01	<0.2	74.9	86.6	33	2	<3	120	0.18	0.07	0.57	0.83
MZB-2 - 21	<0.01	0.2	26.2	43	6	3	<3	51	0.11	0.07	0.47	0.82
MZB-3 - 15	0.01	<0.2	183	89.6	38	<1	<3	133	0.15	0.04	0.27	0.48
MZB-3 - 16	0.01	<0.2	169	86.1	38	<1	<3	183	0.16	0.04	0.27	0.44
MZB-3 - 17	0.02	<0.2	75.8	35.1	7	2	<3	58	0.2	0.05	0.23	0.2
MZB-4 - 20	<0.01	<0.2	52.4	102	10	<1	<3	292	0.11	0.25	2.13	0.75
MZB-4 - 21	<0.01	<0.2	41.4	92.4	<2	<1	<3	139	0.05	0.19	2.91	0.74
MZB-5 - 15	<0.01	<0.2	325	269	39	<1	<3	227	0.17	0.11	0.57	0.51
MZB-5 - 16	0.01	0.4	228	225	267	1	<3	131	0.16	0.11	0.55	0.54
MZB-5 - 17	0.02	0.3	120	195	285	3	<3	78	0.16	0.08	0.37	0.23
MZB-6 - 17	0.02	0.4	588	257	29	3	<3	79	0.06	0.07	0.6	0.44
MZB-6 - 18	0.02	0.3	451	213	40	3	<3	134	0.08	0.07	0.65	0.5
MZB-6 - 19	0.05	2	197	76.9	44	7	<3	36	0.12	0.14	0.7	0.23
MZB-7 - 15	0.01	<0.2	113	230	52	1	4	119	0.08	0.17	0.61	0.54
MZB-7 - 16	0.01	0.2	128	229	34	3	<3	138	0.06	0.13	0.72	0.55
MZB-7 - 17	0.02	0.5	46.9	83	3	3	<3	32	0.11	0.07	0.75	0.38
MZB-8 - 10	<0.01	<0.2	214	133	20	<1	<3	78	0.11	0.04	0.78	0.94
MZB-8 - 11	<0.01	<0.2	270	142	8	<1	<3	45	0.09	0.04	0.58	0.71
MZB-8 - 12	<0.01	<0.2	10.3	27.3	5	1	<3	68	0.16	0.04	0.55	0.48
MZB-9 - 5	<0.01	<0.2	27.9	92.9	13	2	<3	74	0.12	0.04	0.33	0.42
MZB-9 - 6	<0.01	<0.2	74.4	91.7	8	1	<3	66	0.11	0.05	0.38	0.33
MZB-9 - 14	0.02	<0.2	5.3	32.5	5	3	<3	36	0.1	0.04	0.47	0.27
MZB-10 - 3	<0.01	<0.2	204	100	13	3	<3	156	0.15	0.06	0.66	0.66
MZB-10 - 4	<0.01	<0.2	346	161	16	4	<3	61	0.11	0.05	0.48	0.38
MZB-10 - 8	0.01	<0.2	44.7	22.6	7	2	<3	30	0.1	0.06	0.54	0.4
MZB-11 - 15	0.01	<0.2	285	91.9	124	9	<3	75	0.13	0.14	0.2	0.21
MZB-11 - 16	0.02	0.9	299	86.5	137	9	<3	58	0.17	0.12	0.28	0.19
MZB-11 - 17	0.02	0.7	386	88.9	95	9	<3	26	0.16	0.11	0.38	0.16
MZB-12 - 9	<0.01	<0.2	130	88.6	31	<1	<3	53	0.1	0.04	0.96	0.52
MZB-12 - 10	<0.01	0.2	138	91	34	<1	<3	75	0.15	0.05	0.92	0.52
MZB-12 - 11	<0.01	<0.2	29.6	25.5	4	2	<3	25	0.1	0.04	0.61	0.44
MZB-13 - 9	0.02	0.4	231	217	222	1	<3	86	0.07	0.04	0.64	0.53
MZB-13 - 10	0.02	<0.2	264	235	178	<1	<3	74	0.11	0.04	0.64	0.55
MZB-13 - 11	0.01	<0.2	20.4	57.1	40	2	<3	83	0.16	0.05	0.63	0.42
MZB-14 - 19	<0.01	0.4	134	87.6	75	2	<3	58	0.06	0.03	0.76	0.54
MZB-14 - 20	<0.01	<0.2	141	125	105	1	<3	40	0.06	0.04	1.1	0.7
MZB-14 - 21.5	<0.01	<0.2	41.1	52.3	25	1	<3	22	0.09	0.04	0.74	0.38
MZB-15 - 15	<0.01	0.3	270	163	100	11	<3	89	0.13	0.13	0.56	0.46
MZB-15 - 16	<0.01	0.2	205	135	80	10	<3	131	0.14	0.13	0.53	0.47
MZB-15 - 17	0.03	1.1	137	106	50	5	<3	26	0.15	0.11	0.58	0.35
MZB-16 - 6	0.01	<0.2	770	119	45	19	9	86	0.08	0.03	1.03	0.55
MZB-16 - 7	0.01	<0.2	515	75.4	41	5	6	60	0.06	0.03	0.81	0.4
MZB-16 - 8	<0.01	<0.2	385	36.4	12	9	<3	36	0.09	0.04	0.69	0.33
MZB-17 - 11	0.02	<0.2	227	329	126	<1	<3	41	0.11	0.07	0.76	0.96
MZB-17 - 12	0.02	<0.2	204	294	120	<1	<3	52	0.12	0.06	0.78	0.83
MZB-17 - 13	0.04	<0.2	27.4	118	38	3	<3	23	0.09	0.04	0.68	0.64
MZB-18 - 7	<0.01	<0.2	114	90.3	50	<1	<3	38	0.09	0.04	0.91	0.59
MZB-18 - 8	<0.01	0.3	108	88.2	50	<1	<3	35	0.1	0.04	0.97	0.62
MZB-18 - 9	<0.01	<0.2	57.6	34.2	14	2	<3	24	0.08	0.04	0.67	0.46
MZB-19 - 20	<0.01	<0.2	80.1	59	9	2	<3	88	0.09	0.13	0.67	0.45
MZB-19 - 21	0.01	<0.2	78.3	65.7	17	2	<3	82	0.14	0.13	0.64	0.46
MZB-19 - 22.2	0.01	<0.2	25.1	26.7	4	4	<3	33	0.11	0.08	0.69	0.45
MZB-20 - 12	<0.01	<0.2	414	202	29	12	<3	73	0.09	0.04	0.59	0.96
MZB-20 - 13	<0.01	<0.2	392	199	22	12	<3	65	0.08	0.04	0.57	0.64
MZB-20 - 14	<0.01	<0.2	22.1	29.1	9	5	<3	54	0.12	0.06	0.7	0.49
MZB-21 - 13	0.03	0.4	179	307	184	2	<3	63	0.12	0.05	0.54	0.3
MZB-21 - 14	0.03	1.8	90.8	204	82	2	<3	16	0.09	0.06	0.61	0.31
MZB-22 - 9	<0.01	<0.2	249	165	37	2	<3	42	0.07	0.03	0.88	0.32
MZB-22 - 10	<0.01	<0.2	291	158	24	2	3	39	0.05	0.03	1.05	0.37
MZB-22 - 11	0.01	<0.2	26.9	22.5	5	3	<3	56	0.17	0.06	0.57	0.33

Appendix 10

Geochemical Results for Central Zalturbulak prospect

SAMPLE ID	Au	Ag	Cu	Zn	Pb	Mo	As	Ba	K	Na	Mg	Ca
SCHEME	AAS	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
LIMIT	0.01	0.2	0.5	0.5	2	1	3	1	0.01	0.01	0.01	0.01
MBZ-23 - 7	0.03	<0.2	38.3	53.6	6	3	<3	43	0.18	0.06	0.67	0.63
MBZ-23 - 8	0.03	<0.2	33	51.8	6	4	<3	62	0.21	0.05	0.66	1.24
MBZ-23 - 9	0.03	0.3	19.6	39.8	4	3	<3	21	0.11	0.07	0.78	0.59
MZB-24 - 9	0.03	<0.2	90.5	35.9	5	3	<3	32	0.14	0.14	0.32	0.22
MZB-24 - 10	0.03	<0.2	88.1	39.1	3	3	<3	36	0.14	0.14	0.34	0.24
MZB-24 - 11	0.05	<0.2	23	20.6	8	2	<3	40	0.08	0.05	0.37	0.47
MZB-25 - 32	0.02	<0.2	508	192	<2	31	<3	69	0.34	0.13	1.91	2.58
MZB-25 - 33	0.03	<0.2	509	202	<2	35	<3	61	0.32	0.12	1.93	2.25
MZB-25 - 34	0.06	0.2	739	24.1	6	16	<3	15	0.21	0.08	2.35	1.48
MZB-25 - 35	0.09	<0.2	548	20	<2	37	<3	8	0.22	0.22	2.04	3.19
MZB-26 - 9	0.03	<0.2	168	35.6	<2	2	9	79	0.25	0.34	1.48	0.59
MZB-26 - 10	0.03	<0.2	202	41	6	2	8	90	0.3	0.26	1.44	0.56
MZB-26 - 11	0.13	<0.2	258	30.4	<2	3	7	129	0.5	0.32	1.88	0.47
MZB-27 - 21	0.01	<0.2	17.4	90	2	2	3	26	0.17	0.06	0.67	0.41
MZB-27 - 22	0.01	<0.2	11.3	85.8	3	1	<3	15	0.16	0.06	0.59	0.35
MZB-27 - 23.2	0.02	<0.2	31.4	91.5	5	6	<3	21	0.16	0.09	0.68	0.42
MZB-28 - 2	0.01	<0.2	57.7	55.8	12	1	<3	69	0.13	0.06	0.77	0.75
MZB-28 - 3	0.02	<0.2	147	85.6	11	3	<3	79	0.17	0.09	0.58	0.86
MZB-28 - 4.3	0.01	<0.2	15.4	20.9	9	2	<3	72	0.16	0.05	0.53	0.53
MZB-29 - 1	0.05	<0.2	105	41.5	3	3	<3	34	0.13	0.21	0.7	0.52
MZB-29 - 2	0.04	<0.2	58.3	24.5	6	1	<3	36	0.09	0.07	0.44	0.65
MZB-29 - 3.2	0.02	<0.2	22.3	20.3	7	3	<3	62	0.14	0.06	0.62	0.7
MZB-30 - 8	0.34	<0.2	191	53.9	40	<1	8	117	0.26	0.2	0.88	0.65
MZB-30 - 9	0.24	0.4	276	31.7	10	6	<3	117	0.36	0.25	1.56	0.53
MZB-30 - 15	0.03	<0.2	80.2	35.6	4	2	<3	71	0.26	0.19	1.46	0.68
MZB-31 - 7	0.01	<0.2	9.2	95.3	8	<1	13	70	0.19	0.06	0.82	1.11
MZB-31 - 8	0.01	<0.2	31	136	6	<1	9	46	0.17	0.04	0.82	0.83
MZB-31 - 9.7	0.01	<0.2	3.2	60.8	2	<1	8	24	0.17	0.12	1.1	0.66
MZB-32 - 14	0.03	<0.2	311	142	4	1	<3	142	0.24	0.12	1.01	0.54
MZB-32 - 16	0.02	<0.2	20.9	60.7	2	<1	<3	80	0.41	0.09	1.68	0.47
MZB-32 - 17	0.02	<0.2	107	120	11	<1	<3	104	0.26	0.1	0.92	0.49
MZB-33 - 15	0.01	<0.2	208	91.9	14	3	6	115	0.12	0.07	0.42	0.37
MZB-33 - 16	0.01	<0.2	167	77.4	11	2	24	127	0.13	0.06	0.41	0.36
MZB-33 - 17	0.02	<0.2	21.5	13	5	3	<3	41	0.12	0.05	0.37	0.27
MZB-34 - 14	0.14	<0.2	260	15.4	7	6	<3	44	0.15	0.06	0.29	0.19
MZB-34 - 18	0.17	<0.2	342	68.3	10	3	<3	33	0.12	0.05	0.25	0.3
MZB-34 - 19	0.01	<0.2	279	64.4	14	2	<3	53	0.17	0.05	0.35	0.4
MZB-35 - 6	0.04	<0.2	304	178	4	<1	<3	71	0.1	0.04	0.8	0.88
MZB-35 - 7	0.02	<0.2	200	148	3	1	<3	41	0.12	0.09	1.24	0.85
MZB-35 - 8	0.02	<0.2	7.7	53.2	2	2	<3	22	0.13	0.07	1.22	0.83
MZB-36 - 1	0.02	<0.2	421	217	5	<1	6	69	0.13	0.36	1.04	3.06
MZB-36 - 2.2	0.02	<0.2	22.1	20.9	<2	<1	<3	41	0.1	0.53	0.7	4.15
MZB-37 - 17	0.02	<0.2	172	110	19	1	<3	120	0.13	0.06	0.55	0.63
MZB-37 - 18	0.02	<0.2	211	141	17	1	<3	127	0.12	0.09	0.58	0.84
MZB-37 - 19	0.01	<0.2	15.3	27.1	10	2	<3	92	0.13	0.06	0.51	0.59
MZB-38 - 12	0.02	<0.2	2060	609	18	4	<3	176	0.11	0.07	0.74	0.64
MZB-38 - 13	0.02	<0.2	823	406	19	3	3	204	0.12	0.08	1.11	0.77
MZB-38 - 14	0.09	<0.2	28.4	27.2	7	3	<3	80	0.12	0.06	0.51	0.41
MZB-39 - 9	0.02	<0.2	132	42.2	9	1	5	100	0.49	0.14	1.11	0.48
MZB-39 - 17	0.06	<0.2	152	34.4	9	2	9	96	0.39	0.16	1.06	0.48
MZB-39 - 19	0.53	<0.2	89.5	27	40	3	10	52	0.34	0.16	1.04	0.5
MZB-40 - 6	0.06	0.2	1030	266	59	9	14	98	0.13	0.1	0.44	0.56
MZB-40 - 16	0.13	<0.2	844	162	47	10	17	62	0.12	0.1	0.44	0.55
MZB-40 - 17	0.14	<0.2	53.8	139	16	3	6	163	0.17	0.12	0.48	0.25
MZB-41 - 12	0.03	<0.2	224	52.2	16	2	10	139	0.46	0.09	0.88	3.32
MZB-41 - 13	0.03	<0.2	241	63.3	12	<1	14	155	0.42	0.12	0.92	2.06
MZB-41 - 14	0.03	<0.2	80.9	21.3	2	3	<3	111	0.32	0.13	0.51	0.82
MZB-42 - 20	0.02	<0.2	109	93.7	23	<1	<3	132	0.28	0.04	0.86	0.47
MZB-42 - 21	0.01	<0.2	195	117	18	<1	<3	141	0.1	0.04	0.75	0.44
MZB-42 - 22	0.01	<0.2	11.4	18.1	6	1	<3	42	0.1	0.04	0.63	0.46
MZB-43 - 30	0.02	<0.2	63.8	89	7	<1	<3	213	0.13	0.09	0.85	0.57
MZB-43 - 31	0.02	<0.2	59.8	84.2	8	<1	<3	220	0.11	0.09	0.74	0.58
MZB-43 - 32	0.01	<0.2	12.1	35.4	9	3	<3	174	0.13	0.08	0.59	0.51
MZB-44 - 4	<0.01	<0.2	18.8	17.8	4	1	<3	42	0.11	0.05	0.49	0.47

Appendix 10

Geochemical Results for Central Zalturbulak prospect

SAMPLE ID	Au	Ag	Cu	Zn	Pb	Mo	As	Ba	K	Na	Mg	Ca
SCHEME	AAS	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
LIMIT	0.01	0.2	0.5	0.5	2	1	3	1	0.01	0.01	0.01	0.01
MZB-44 - 6	0.01	<0.2	50.3	49.4	4	<1	5	58	0.09	0.17	0.83	8.64
MZB-44 - 7	0.01	<0.2	56.1	56.8	13	1	5	51	0.09	0.14	0.84	4.35
MZB-44 - 8	0.01	<0.2	43.9	109	6	<1	<3	224	0.15	0.25	2.1	0.81
MZB-45 - 11	<0.01	<0.2	171	100	14	<1	<3	63	0.38	0.27	0.77	1.03
MZB-45 - 12	0.02	<0.2	200	85.1	7	2	<3	71	0.13	0.2	0.58	0.74
MZB-45 - 13	0.03	<0.2	78.5	22	<2	2	<3	37	0.22	0.12	0.61	0.41
MZB-46 - 15	0.04	0.3	308	136	63	<1	19	143	0.12	0.05	1.03	0.94
MZB-46 - 16	0.03	<0.2	354	153	72	<1	20	162	0.07	0.05	1.01	0.87
MZB-46 - 17	0.01	0.6	25.3	78.7	20	1	6	18	0.12	0.06	1.45	0.75
MZB-47 - 12	0.02	0.3	140	150	26	<1	15	62	0.09	0.06	1.17	1.15
MZB-47 - 13	0.06	0.4	115	88.1	18	2	6	127	0.12	0.12	0.94	1.12
MZB-47 - 14	0.02	<0.2	64.2	23.9	6	4	<3	40	0.12	0.05	0.61	0.52
MZB-48 - 11	0.02	<0.2	94.2	86.2	11	1	<3	140	0.1	0.11	0.8	1.38
MZB-48 - 12	0.02	<0.2	172	106	15	2	8	125	0.1	0.12	0.61	1.7
MZB-48 - 13	<0.01	<0.2	21	27.6	8	2	<3	286	0.12	0.05	0.54	0.58
MZB-49 - 19	0.01	<0.2	111	84.1	23	2	4	159	0.23	0.09	0.56	0.6
MZB-49 - 20	0.02	<0.2	106	84	26	5	4	194	0.16	0.14	0.53	0.81
MZB-49 - 21	0.03	<0.2	55.6	60.8	7	5	<3	50	0.14	0.07	0.54	0.35
MZB-50 - 15	<0.01	<0.2	89.3	82.3	10	<1	5	116	0.1	0.04	0.92	0.49
MZB-50 - 16	<0.01	<0.2	126	95	20	3	9	115	0.16	0.04	0.83	0.47
MZB-50 - 17	<0.01	<0.2	13.4	32.9	4	2	<3	43	0.1	0.04	0.84	0.35
A2002A -	<0.01	<0.2	36.8	14.8	<2	4	<3	14	0.08	0.05	0.55	0.51
A2026A-2	0.01	<0.2	28.7	12.9	<2	2	<3	11	0.13	0.05	0.47	1.2
A2028A-1	0.04	<0.2	72.4	22.5	4	4	<3	34	0.18	0.08	0.64	0.53
A2028A-2	0.04	0.4	93.6	21.9	9	3	<3	23	0.11	0.06	0.65	0.62
A2028A-3	0.05	0.5	114	21.1	6	3	<3	18	0.12	0.06	0.69	0.64
A2048A	0.01	0.3	11.4	39.5	5	<1	5	28	0.16	0.07	1	1.1
A2049A	0.04	<0.2	45.4	28.9	10	2	<3	37	0.15	0.06	0.78	0.83
A2051A	0.35	0.3	6.7	25.9	9	2	<3	41	0.13	0.09	0.55	0.71
A2052A	0.03	0.6	20.9	10.2	7	4	<3	21	0.11	0.04	0.09	0.43
A2056	0.06	<0.2	15	18	<2	1	13	70	0.76	0.15	0.85	0.75
A2057A-1	0.50	<0.2	148	10.7	16	2	10	88	0.05	0.03	0.11	1.3
A2060A	<0.01	<0.2	43	28.2	<2	3	<3	69	0.17	0.06	0.6	0.61
A2061A	<0.01	0.3	19.4	24.3	3	1	<3	70	0.13	0.05	0.66	0.69
A2063A	<0.01	0.4	32.7	48.9	11	4	<3	96	0.08	0.05	0.1	0.44
A2065A	0.12	<0.2	176	13.8	5	2	<3	37	0.17	0.06	0.27	0.48
A2066A	<0.01	<0.2	6.7	86.5	29	3	<3	65	0.18	0.06	0.46	0.36
A2066BA	0.01	0.4	145	18.8	15	2	5	77	0.16	0.06	0.16	0.56
A2070A-1	0.02	0.8	857	40.1	6	41	<3	76	0.26	0.06	1.04	0.56
A2072A-1	<0.01	<0.2	47.3	33.5	25	4	<3	40	0.12	0.05	0.7	0.9
A2072A-2	<0.01	0.4	48.7	60.5	5	2	<3	55	0.26	0.06	1.35	2.63
A2100A	<0.01	0.3	22.1	27.6	16	3	<3	40	0.11	0.06	0.63	0.8
A2102A	<0.01	<0.2	43.4	36	5	3	<3	51	0.15	0.06	0.54	0.68
A2103A	0.02	<0.2	64	24.8	4	5	<3	161	0.19	0.08	0.42	0.39
A2105A	0.01	<0.2	65.5	17.6	4	2	<3	80	0.12	0.06	0.64	0.86
A2108A	0.05	<0.2	13	50.9	8	3	<3	14	0.1	0.06	0.59	0.77
A2109A	0.04	0.6	40.3	93.5	29	7	<3	30	0.12	0.07	0.64	0.89
A2110A	0.05	0.3	35.9	41	11	6	<3	25	0.1	0.07	0.79	0.69
A2112A	<0.01	<0.2	31.4	22.1	2	1	<3	52	0.13	0.14	0.99	1.45
A2121A	0.02	<0.2	10.3	5.3	3	5	6	127	0.05	0.02	0.06	0.8
A2123A	0.02	0.4	31.2	34.2	<2	2	3	194	0.54	0.12	0.8	0.82
A2132A	<0.01	0.4	6.3	32	4	2	10	30	0.12	0.07	0.48	0.58
A2135A	0.04	0.8	14.8	56.9	634	5	224	91	0.15	0.02	0.03	0.02
A2137A	0.06	<0.2	55	20.3	7	2	5	65	0.24	0.05	0.13	0.15
A2139A	0.02	<0.2	37.2	24	9	7	<3	39	0.13	0.23	0.3	1.26
A2140A	0.04	<0.2	21.4	3.4	4	8	<3	44	0.03	0.04	<0.01	0.02
A2143A	0.05	<0.2	32.3	8.2	5	3	<3	32	0.08	0.05	0.02	0.08
A2144A	0.62	2	2490	25	44	8	<3	17	0.19	0.06	0.8	1.5
A2144A-2	0.09	3	4150	45.9	48	10	<3	37	0.25	0.06	1.49	0.79
A2144A-3	0.04	0.6	484	30.1	10	3	<3	25	0.13	0.06	1.18	0.92
A2144A-4	0.56	0.4	494	57.5	11	4	<3	15	0.13	0.04	1.33	1.33
A2145A	0.19	<0.2	98.3	14.1	4	4	<3	53	0.32	0.04	0.08	0.12
A2146A	0.03	<0.2	66.7	4.1	4	2	<3	109	0.28	0.03	0.05	0.15
A2154A	0.02	<0.2	51.6	113	11	2	11	13	0.09	0.05	0.31	0.81

Appendix 10

Geochemical Results for Central Zalturbulak prospect

SAMPLE ID	Au	Ag	Cu	Zn	Pb	Mo	As	Ba	K	Na	Mg	Ca
SCHEME	AAS	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
LIMIT	0.01	0.2	0.5	0.5	2	1	3	1	0.01	0.01	0.01	0.01
A2155A	<0.01	<0.2	22.4	43.3	<2	2	<3	238	1	0.32	1.16	1.56
E2004	<0.01	<0.2	41.5	11	<2	2	12	178	0.12	0.11	0.16	0.77
E2007	<0.01	<0.2	24.7	13.5	<2	2	<3	30	0.1	0.05	0.3	0.45
E2008	0.02	<0.2	14.8	5	70	8	60	15	0.01	0.02	<0.01	0.02
E2012	<0.01	<0.2	18.8	42.4	39	2	<3	21	0.09	0.05	0.6	0.53
E2021	<0.01	<0.2	13.3	21	3	2	<3	102	0.27	0.05	0.57	0.45
E2024	5.20	1	11.8	3.9	79	7	33	58	<0.01	0.02	<0.01	0.06
E2027	0.01	<0.2	17.4	20.1	<2	2	<3	109	0.1	0.05	0.59	0.6
E2028	0.01	<0.2	22.2	64.9	<2	2	<3	24	0.13	0.04	1.04	0.44
E2034	0.01	<0.2	17.9	22.6	<2	3	<3	116	0.33	0.1	0.82	0.82
E2055	0.02	<0.2	16.1	7.7	<2	2	<3	10	0.06	0.13	0.14	0.72
E2061	0.01	<0.2	15.2	24.8	<2	1	<3	14	0.07	0.05	0.73	1.33
E2067	0.01	<0.2	4.7	3	<2	11	<3	6	<0.01	0.03	0.03	0.08
E2072	0.01	<0.2	3.2	46.2	53	5	<3	40	0.07	0.05	0.7	0.7
E2083	0.01	<0.2	51.6	26.3	<2	2	<3	20	0.12	0.05	1.17	1.28
E2086	<0.01	<0.2	53.4	13.3	2	3	<3	46	0.12	0.06	0.5	0.52
E2089	<0.01	<0.2	7.3	49.6	<2	4	<3	29	0.12	0.06	0.5	0.55
E2092	0.01	<0.2	53.5	20.1	<2	6	<3	110	0.19	0.08	0.51	0.48
E2093	0.01	<0.2	9	2.1	4	68	4	16	<0.01	0.03	<0.01	0.01
E2094	<0.01	<0.2	4	9.6	3	5	<3	36	0.05	0.03	0.16	1.03
E2096	0.01	<0.2	6.8	28.5	<2	2	<3	25	0.12	0.09	0.6	0.51
E2100	0.41	0.6	80.1	2.2	3	12	<3	136	0.28	0.02	0.03	0.04
E2101	0.44	<0.2	128	1.9	<2	25	<3	198	0.16	0.02	0.02	0.01
E2106	0.01	<0.2	9	2.6	<2	6	<3	66	0.02	0.02	<0.01	0.01
E2115	0.03											
E2117	0.05	<0.2	1250	73.2	11	11	13	74	0.03	0.03	0.09	0.1
E2137	0.01	<0.2	39.6	2.1	13	7	<3	110	0.11	0.02	0.01	0.02
E2143	0.02	<0.2	78.6	14.2	<2	3	<3	149	0.1	0.09	0.19	0.92
E2145	0.02	<0.2	66.9	3.4	15	13	6	72	0.21	0.04	0.04	0.12
E2147	0.04	1.7	107	23.5	118	11	<3	92	0.02	0.02	<0.01	0.01
E2149	<0.01	<0.2	14.2	29.8	5	4	<3	109	0.23	0.07	0.51	0.6
E2151	1.07	10.1	92.4	13.7	35	16	18	688	0.15	0.06	0.03	0.05
E2152	0.02	6.3	22.4	15.8	265	25	21	222	0.03	0.03	<0.01	0.03
E2156	<0.01	0.2	18.9	25.3	4	4	<3	68	0.16	0.07	0.4	0.45
E2158	0.03	<0.2	114	8.8	10	4	<3	23	0.09	0.05	0.02	0.03
E2162	0.01	<0.2	8	59.1	29	3	<3	38	0.14	0.08	0.55	0.86

Appendix 11

Geochemical Results for Akmola area

SampleID	Au	Ag	Cu	Pb	Zn	Mo	As	Ba	K	Na	Mg	Ca
Scheme	AAS	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
DetectionLimit	0.01	0.2	0.5	2	0.5	1	3	1	0.01	0.01	0.01	0.01
MAK-01-09A	0.01	0.3	44.2	13	106	1	8	273	0.28	0.06	0.52	0.36
MAK-01-10A	0.01	<0.2	40.2	14	117	1	8	249	0.28	0.07	0.6	0.43
MAK-01-11A	0.01	<0.2	16.5	3	79.4	2	7	120	0.42	0.05	0.52	0.33
MAK-02-13A	0.01	0.3	22.2	39	40.7	2	9	238	0.15	0.17	0.22	0.26
MAK-02-14A	0.01	0.5	22.8	32	39.7	<1	9	340	0.14	0.22	0.21	0.27
MAK-02-15A	0.03	<0.2	12.1	11	15.7	<1	4	22	0.09	0.14	0.13	0.17
MAK-03-12A	0.02	0.5	117	83	198	2	9	195	0.05	0.14	1.02	0.46
MAK-03-13A	0.02	0.3	80.8	64	176	2	12	193	0.08	0.16	0.98	0.46
MAK-03-14A	0.05	0.7	37.9	21	107	<1	<3	11	0.04	0.12	2.17	0.65
MAK-04-13A	0.02	<0.2	48.1	36	78.9	3	<3	91	0.16	0.08	0.3	0.19
MAK-04-14A	0.01	0.3	102	98	200	3	7	204	0.1	0.1	0.65	0.43
MAK-04-15A	0.01	0.2	60.4	<2	108	4	<3	35	0.16	0.07	0.73	0.49
MAK-06-16A	<0.01	0.7	56.2	5	99.1	2	6	90	0.15	0.11	0.9	0.39
MAK-06-17A	0.01	<0.2	97	14	133	4	7	91	0.2	0.13	1.04	0.57
MAK-06-18A	<0.01	<0.2	20.8	<2	55.3	2	<3	21	0.2	0.05	0.93	1.75
MAK-718A	0.01	<0.2	70.4	15	46.9	2	<3	371	0.13	0.19	0.21	0.21
MAK-07-19A	0.03	<0.2	84.2	15	45.4	1	<3	250	0.13	0.11	0.17	0.18
MAK-07-20A	0.03	0.6	2570	16	521	12	<3	134	0.21	0.04	0.05	0.06
MAK-08-09A	0.01	<0.2	22.7	5	51.8	1	<3	35	0.21	0.07	0.48	0.14
MAK-08-10A	0.01	0.2	91.6	10	9.3	13	17	1320	0.12	0.23	0.08	0.06
MAK-08-11A	0.01	0.3	30.4	3	57.7	1	<3	23	0.21	0.08	0.67	0.16
MAK-09-17A	0.01	<0.2	33.6	26	51.8	<1	10	332	0.11	0.19	0.34	0.3
MAK-09-18A	0.02	<0.2	34.9	23	60.1	<1	11	305	0.13	0.2	0.37	0.32
MAK-09-19A	<0.01	0.3	19.8	<2	62.3	2	7	56	0.13	0.11	0.56	0.35
MAK-10-05A	<0.01	0.3	8.6	4	8.3	4	<3	46	0.16	0.09	0.03	0.02
MAK-10-3A	0.02	<0.2	17.6	45	39.9	<1	8	275	0.11	0.46	0.16	0.21
MAK-10-4A	0.02	<0.2	35.3	36	41	3	16	180	0.13	0.18	0.15	0.49
MAK-11-07A	0.17	0.3	1030	18	504	4	5	49	0.09	0.03	0.21	0.22
MAK-11-09A	0.05	0.3	31.6	7	28.7	2	7	22	0.13	0.03	0.19	0.17
MAK-11-10A	0.28	<0.2	55	12	83.1	2	5	22	0.15	0.07	0.6	0.36
MAK-11-8A	0.03	0.6	295	201	163	2	6	39	0.07	0.05	0.57	0.46
MAK-12-01A	0.04	0.5	28	17	50	5	<3	90	0.19	0.04	0.27	0.2
MAK-12-02A	0.01	0.5	418	7	209	7	<3	66	0.17	0.03	0.03	0.04
MAK-12-03A	0.09	<0.2	8.9	<2	1.4	8	<3	133	0.24	0.03	<0.01	0.03
MAK-13-14A	0.01	0.4	130	43	62.9	7	<3	84	0.19	0.06	0.21	0.16
MAK-13-15A	0.01	<0.2	120	40	77.2	5	<3	59	0.1	0.07	0.37	0.19
MAK-13-16A	0.01	<0.2	76.6	19	109	3	<3	29	0.09	0.06	0.89	0.22
MAK-14-23A	0.01	<0.2	39.1	35	5.9	4	<3	32	0.23	0.03	0.03	0.03
MAK-14-24A	<0.01	<0.2	51.3	50	3.5	3	<3	35	0.21	0.03	0.03	0.03
MAK-14-25.2A	<0.01	1.1	464	80	10.3	20	4	39	0.21	0.03	0.03	0.04
MAK-15-10A	0.02	<0.2	56.4	3	16.4	2	4	44	0.13	0.9	0.11	0.26
MAK-15-11A	0.01	0.4	61.9	9	21.5	3	3	54	0.13	0.82	0.18	0.45
MAK-15-13.5	<0.01	0.4	60.2	<2	13.5	4	<3	82	0.24	0.12	0.03	0.04
MAK-15-14A	0.01	0.4	87.4	5	8	6	5	88	0.24	0.07	0.03	0.04
MAK-16-12A	<0.01	0.5	62.4	14	12.8	17	38	940	0.09	0.13	0.03	0.04
MAK-16-13A	<0.01	0.5	48.9	14	5.9	20	44	493	0.11	0.13	0.03	0.03
MAK-16-14A	0.02	0.6	46.9	12	11.2	13	29	2140	0.16	0.03	0.02	0.02
MAK-16-16A	<0.01	0.3	178	9	3.8	14	24	617	0.13	0.05	0.02	0.02
MAK-16-17A	0.07	1.7	167	17	9.7	35	37	97	0.18	0.15	0.03	0.03
MAK-16-19A	0.62	1.6	134	12	7.2	23	17	127	0.14	0.09	0.03	0.03
MAK-17-12A	0.01	<0.2	85.4	14	108	<1	4	129	0.1	0.06	0.41	0.53
MAK-17-13A	<0.01	<0.2	46.1	12	98.4	<1	4	135	0.15	0.06	0.43	0.54
MAK-17-14A	0.02	0.5	24.4	3	102	3	4	63	0.27	0.04	0.5	0.28
MAK-18-13A	0.01	<0.2	107	13	95	1	12	97	0.12	0.08	0.36	0.31
MAK-18-14A	<0.01	<0.2	74.9	11	76.2	<1	14	84	0.12	0.08	0.33	0.3
MAK-18-15A	0.06	<0.2	62.7	3	80.7	3	5	63	0.22	0.09	0.41	0.28
MAK-19-05A	0.01	<0.2	107	14	56.6	5	6	167	0.11	0.04	0.15	0.41
MAK-19-06A	<0.01	<0.2	89.6	10	43.5	6	8	113	0.11	0.04	0.11	0.26
MAK-19-07A	0.02	0.5	38	5	22	6	5	136	0.15	0.03	0.04	0.06
MAK-20-10A	0.18	0.3	57.1	8	10.1	2	14	27	0.13	0.05	0.06	0.06
MAK-20-11A	0.10	0.2	107	10	14.8	2	12	27	0.14	0.05	0.07	0.08
MAK-20-12A	0.15	1.7	132	4	5.6	2	11	26	0.21	0.03	0.04	0.06
MAK-21-09A	0.02	<0.2	39.4	20	18.3	1	<3	57	0.1	0.07	0.08	0.1

Appendix 11

Geochemical Results for Akmola area

SampleID	Au	Ag	Cu	Pb	Zn	Mo	As	Ba	K	Na	Mg	Ca
Scheme	AAS	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
DetectionLimit	0.01	0.2	0.5	2	0.5	1	3	1	0.01	0.01	0.01	0.01
MAK-21-10A	0.02	1.1	58.8	26	34.1	2	<3	52	0.12	0.05	0.18	0.17
MAK-21-11A	0.02	<0.2	51.8	12	152	<1	<3	23	0.14	0.06	1.14	0.19
MAK-22-02A	0.02	0.5	63.2	24	47.3	5	7	67	0.14	0.03	0.17	0.13
MAK-22-03A	0.02	<0.2	46	8	19	9	<3	63	0.12	0.03	0.02	0.06
MAK-22-04A	0.01	0.3	17.4	<2	2.8	10	<3	34	0.16	0.02	0.02	0.04
MAK-23-11A	0.10	3.8	63.2	20	17.5	3	3	197	0.09	0.54	0.06	0.12
MAK-23-12A	0.02	<0.2	41.4	33	6.8	2	<3	45	0.13	0.08	0.02	0.04
MAK-23-13A	0.05	<0.2	107	12	28.3	19	6	136	0.11	0.98	0.12	0.24
MAK-24-05A	0.03	<0.2	56.2	3	10.5	2	7	61	0.1	0.53	0.1	0.13
MAK-24-06A	0.02	0.5	48.3	3	8.5	2	<3	46	0.09	0.48	0.08	0.1
MAK-24-09A	0.02	<0.2	85.5	<2	2.9	2	<3	39	0.24	0.16	0.02	0.01
MAK-24-7A	0.04	0.5	74.3	5	5.8	1	10	88	0.23	0.09	0.02	0.01
MAK-24-8A	0.01	0.5	8	4	2.6	2	<3	32	0.22	0.11	0.02	0.01
MAK-25-06A	0.01	<0.2	169	16	153	1	7	155	0.07	0.09	0.96	0.53
MAK-25-07A	0.02	<0.2	147	10	132	<1	<3	131	0.1	0.09	0.96	0.49
MAK-25-08A	<0.01	0.4	36.8	<2	82.1	<1	<3	46	0.08	0.13	1.26	0.54
MAK-26-04A	0.08	0.3	46.6	12	90.2	<1	31	269	0.18	0.04	0.85	0.84
MAK-26-05A	0.09	<0.2	45.7	13	91.4	<1	26	238	0.17	0.04	0.94	0.85
MAK-26-06A	0.01	<0.2	10.9	<2	53.9	<1	10	55	0.05	0.05	1.8	0.51
MAK-27-07A	0.04	<0.2	59.7	3	31.5	2	9	69	0.18	0.06	0.1	0.16
MAK-27-08A	0.03	<0.2	76	9	43.1	3	16	89	0.22	0.06	0.13	0.15
MAK-27-09A	0.03	<0.2	36.2	<2	14.9	1	4	33	0.16	0.04	0.04	0.07
MAK-28-06A	0.28	0.5	13.4	6	5.1	3	31	64	0.13	0.05	0.06	0.09
MAK-28-07A	1.55	0.4	19.9	4	5.5	3	23	68	0.14	0.04	0.07	0.09
MAK-28-08A	0.04	<0.2	13	<2	2.7	3	9	92	0.25	0.03	0.04	0.04
MAK-29-04A	0.04	0.8	121	5	35.8	13	34	131	0.15	0.04	0.03	0.03
MAK-29-05A	0.01	0.8	112	7	36.8	12	29	236	0.15	0.03	0.03	0.03
MAK-29-06A	0.02	1	41	<2	5.5	11	21	161	0.15	0.02	0.02	0.01
MAK-30-02A	0.02	<0.2	48.9	13	46.8	7	<3	80	0.23	0.31	0.19	0.17
MAK-30-03A	0.03	0.3	46.9	6	33.9	6	<3	70	0.19	0.13	0.11	0.11
MAK-30-04A	0.04	0.3	7.4	4	4.5	3	<3	36	0.18	0.08	0.04	0.07
MAK-31-08A	0.03	<0.2	31.9	10	11.8	6	<3	252	0.13	0.61	0.09	0.12
MAK-31-09A	0.02	0.3	44.1	4	23.4	3	3	304	0.12	0.48	0.07	0.11
MAK-31-10A	0.01	<0.2	47.4	5	19	5	<3	218	0.27	0.23	0.06	0.05
MAK-31-11A	0.02	<0.2	35.4	6	11.5	5	<3	194	0.21	0.2	0.05	0.05
MAK-31-12A	0.05	1.6	202	12	7.1	3	12	52	0.24	0.07	0.04	0.05
MAK-31-13A	0.03	1.2	134	4	4.3	3	<3	108	0.25	0.08	0.04	0.05
MAK-31-14A	0.03	1.2	122	7	4.4	2	<3	134	0.23	0.07	0.04	0.05
MAK-32-05A	0.08	<0.2	121	41	181	<1	<3	109	0.16	0.9	1.4	0.73
MAK-32-06A	0.03	<0.2	125	34	164	<1	<3	97	0.15	1.16	1.3	0.73
MAK-32-07A	<0.01	0.3	92.6	37	49.4	2	<3	61	0.17	0.12	0.32	0.14
MAK-32-08A	0.01	0.5	83.5	62	89.1	3	<3	72	0.21	0.36	0.65	0.26
MAK-32-10A	0.01	0.2	69.3	60	72.8	2	<3	58	0.16	0.16	0.53	0.25
MAK-32-9A	0.02	<0.2	100	205	83.5	2	<3	115	0.24	0.31	0.53	0.24
MAK-33-08A	0.01	0.4	112	34	138	6	20	126	0.15	0.13	0.96	0.82
MAK-33-09A	<0.01	0.4	83.4	27	123	10	20	301	0.11	0.21	1.01	0.9
MAK-33-10A	0.04	0.3	20.8	9	40	7	8	67	0.15	0.11	0.63	0.57
MAK-34-02A	<0.01	0.4	61.6	19	51	5	27	93	0.34	0.15	0.19	0.26
MAK-34-03A	<0.01	0.6	248	9	102	6	29	84	0.33	0.15	0.14	0.2
MAK-34-04A	0.01	0.3	7.6	4	1.7	6	5	85	0.28	0.06	0.03	0.09
MAK-35-06A	0.04	<0.2	49.6	<2	22.1	1	4	50	0.38	0.13	0.89	0.72
MAK-35-07A	0.02	<0.2	102	8	192	<1	6	411	0.15	0.17	0.62	0.29
MAK-36-04A	0.09	<0.2	25.1	10	96.8	1	20	235	0.14	0.04	0.42	0.41
MAK-36-05A	0.05	0.2	63.3	7	86.5	2	16	207	0.12	0.04	0.54	0.42
MAK-36-06A	0.04	<0.2	6.3	<2	94.3	<1	7	43	0.14	0.07	1.65	0.47
MAK-37-11A	0.06	<0.2	148	60	77.1	3	32	197	0.15	0.05	0.29	0.27
MAK-37-12A	0.07	<0.2	121	54	77.3	4	27	232	0.18	0.05	0.3	0.25
MAK-37-13A	0.02	<0.2	67.7	54	71.4	5	6	40	0.14	0.06	0.67	0.36
MAK-38-03A	0.03	0.3	145	13	68.1	3	4	104	0.27	0.09	0.05	0.08
MAK-38-04A	0.03	0.3	97.2	12	40.8	2	3	91	0.27	0.13	0.04	0.09
MAK-38-05A	0.04	0.5	4.2	8	1.7	3	<3	95	0.3	0.04	0.02	0.04
MAK-39-01A	<0.01	0.3	64.1	78	116	2	6	147	0.24	0.92	0.93	0.85
MAK-39-02A	0.02	<0.2	18.5	32	47.8	1	<3	22	0.11	0.07	0.57	0.75

Appendix 11

Geochemical Results for Akmola area

SampleID	Au	Ag	Cu	Pb	Zn	Mo	As	Ba	K	Na	Mg	Ca
Scheme	AAS	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
DetectionLimit	0.01	0.2	0.5	2	0.5	1	3	1	0.01	0.01	0.01	0.01
MAK-40-06A	0.02	<0.2	74.7	31	75.3	2	3	192	0.18	0.71	0.58	0.97
MAK-40-07A	0.04	<0.2	127	30	124	1	<3	177	0.15	0.61	0.81	0.93
MAK-40-08A	0.04	0.3	48.2	<2	134	<1	<3	90	0.06	0.17	1.53	0.83
MAK-40-09A	0.08	0.7	18.7	<2	112	<1	<3	35	0.06	0.16	1.39	0.79
MAK-41-05A	<0.01	<0.2	47.6	15	62.6	<1	<3	70	0.09	0.12	0.44	0.42
MAK-41-06A	<0.01	<0.2	60	14	73	<1	<3	64	0.11	0.14	0.51	0.45
MAK-41-07A	0.02	<0.2	32.8	10	37.1	<1	<3	35	0.09	0.1	0.23	0.17
MAK-42-06A	<0.01	0.3	58.2	49	79	1	4	104	0.12	0.1	0.62	0.28
MAK-42-07A	0.01	<0.2	209	104	90.6	3	9	88	0.14	0.11	0.61	0.26
MAK-42-08A	0.03	0.5	116	53	90.6	1	<3	157	0.19	0.18	1.08	0.25
MAK-43-07A	0.05	<0.2	37.2	<2	15	20	5	30	0.08	0.03	0.04	0.04
MAK-43-09A	0.02	<0.2	69	<2	9.7	15	<3	72	0.23	0.03	0.02	0.02
MAK-44-15A	0.02	<0.2	23.2	7	23.2	<1	<3	42	0.07	0.05	0.14	0.16
MAK-44-16A	0.02	<0.2	26.1	9	21.3	<1	<3	43	0.07	0.05	0.12	0.14
MAK-44-17A	0.02	<0.2	11.7	6	13	<1	<3	22	0.07	0.04	0.08	0.09
MAK-45-06A	0.01	<0.2	53.6	15	76.6	<1	29	56	0.18	0.09	0.25	0.2
MAK-45-07A		<0.2	37.6	15	61.3	1	26	62	0.19	0.09	0.23	0.19
MAK-45-08A	0.05	<0.2	28.9	5	60.4	3	15	1660	0.25	0.06	0.2	0.19
MAK-46-09A	0.03	<0.2	56.5	47	60.6	2	69	44	0.2	0.04	0.08	0.13
MAK-46-10A	0.02	0.6	65	51	61.8	3	75	55	0.2	0.04	0.08	0.14
MAK-46-11A	0.05	0.3	38.3	48	41.6	5	80	68	0.22	0.04	0.08	0.1
MAK-46-12A	0.09	0.6	19.8	29	69.2	3	26	47	0.28	0.04	0.16	0.16
MAK-47-06A	0.01	<0.2	35.7	9	73.4	1	10	63	0.19	0.04	0.54	0.34
MAK-47-07A	0.01	<0.2	48	11	80	2	13	86	0.19	0.04	0.59	0.34
MAK-47-08A	<0.01	0.3	29.6	5	60.7	2	20	57	0.27	0.05	0.46	0.27
MAK-48-06A	0.01	0.2	36.7	20	51.7	3	<3	28	0.1	0.1	0.21	0.22
MAK-48-07A	0.01	<0.2	37.1	19	47	4	<3	24	0.1	0.09	0.19	0.19
MAK-48-08A	<0.01	<0.2	24.4	13	35.3	2	<3	35	0.11	0.07	0.12	0.1
MAK-49-07A	0.01	<0.2	75.9	10	58	9	15	71	0.12	0.04	0.08	0.11
MAK-49-08A	0.01	<0.2	75.4	5	47.7	2	5	61	0.16	0.05	0.08	0.1
MAK-49-09A	0.01	0.4	17.1	3	18.7	6	3	862	0.25	0.04	0.07	0.06
MAK-50-11A	0.01	<0.2	36.7	6	31.8	1	<3	76	0.1	0.04	0.07	0.08
MAK-50-12A	0.01	<0.2	29.7	4	32.8	<1	<3	78	0.09	0.03	0.08	0.09
MAK-50-13A	0.01	<0.2	18.6	6	47.8	1	<3	46	0.13	0.03	0.09	0.08
MAK-51-22A	0.01	<0.2	111	14	66.7	3	3	352	0.11	0.09	0.1	0.1
MAK-51-23A	0.02	0.4	55	19	43.3	3	6	359	0.13	0.1	0.12	0.11
MAK-51-24A	0.01	0.3	14.2	9	12.2	3	<3	18	0.09	0.06	0.04	0.03
MAK-51-24.3A	0.02	<0.2	13.2	12	37.4	1	<3	73	0.18	0.12	0.48	0.43
MAK-52-27A	0.04	0.3	112	17	40.2	3	6	178	0.12	0.13	0.24	0.71
MAK-52-28A	0.04	0.3	105	21	39.8	4	9	179	0.15	0.15	0.3	1.6
MAK-52-29A	<0.01	<0.2	184	26	34.2	7	9	72	0.22	0.04	0.09	0.09
MAK-52-29.5A	0.02	0.4	17.9	4	34	5	<3	36	0.24	0.04	0.78	0.11
MAK-53-17A	0.03	<0.2	81.1	49	52.5	2	<3	361	0.09	0.06	0.16	0.27
MAK-53-18A	0.01	0.3	93.1	49	54.6	2	<3	305	0.08	0.06	0.13	0.24
MAK-53-19A	0.01	<0.2	52.8	23	53.7	3	<3	48	0.15	0.06	0.07	0.11
MAK-54-10A	0.06	0.6	233	386	454	3	<3	75	0.14	0.05	0.58	0.29
MAK-54-25A	0.03	0.7	133	145	26.7	14	6	203	0.15	0.03	0.14	0.12
MAK-54-26A	0.03	0.5	86.4	67	78.1	3	<3	67	0.13	0.04	1.11	0.11
MAK-54-27A	0.23	2.4	263	1770	42.2	31	7	1180	0.17	0.03	0.05	0.06
MAK-54-27.4A	0.02	0.2	29.6	16	131	1	<3	17	0.09	0.05	2.29	0.16
MAK-55-17A	0.01	<0.2	79.1	46	106	<1	4	376	0.14	0.08	0.78	0.8
MAK-55-18A	0.02	<0.2	87.3	45	104	<1	3	366	0.15	0.07	0.67	0.71
MAK-55-19A	0.01	<0.2	6.6	11	40.6	<1	<3	42	0.14	0.06	0.63	0.58
MAK-56-05A	0.02	0.4	80.2	24	137	1	4	264	0.18	0.08	0.84	0.67
MAK-56-06A	0.03	<0.2	71.5	24	140	1	4	225	0.17	0.08	0.98	0.62
MAK-56-07A	0.03	<0.2	70	15	164	<1	<3	499	0.09	0.1	1.83	0.78
MAK-57-17A	0.04	<0.2	85.4	30	58.8	2	9	269	0.13	0.07	0.25	0.17
MAK-57-18A	0.01	0.3	91.7	24	55.4	2	7	287	0.09	0.06	0.19	0.15
MAK-57-19A	0.03	0.4	108	125	40.8	3	13	71	0.14	0.06	0.21	0.12
MAK-57-19.5A	0.01	<0.2	20.7	6	40.4	2	<3	41	0.16	0.06	0.49	0.21
MAK-57-19.8A	0.01	0.2	57.5	7	88.3	2	<3	118	0.2	0.05	0.17	0.12
MAK-58-13A	<0.01	<0.2	94.5	21	114	15	29	127	0.12	0.03	0.08	0.05
MAK-58-18A	<0.01	<0.2	84.7	19	19.4	8	18	120	0.17	0.06	0.16	0.08

Appendix 11

Geochemical Results for Akmola area

SampleID Scheme Unit DetectionLimit	Au AAS ppm 0.01	Ag ICP70 ppm 0.2	Cu ICP70 ppm 0.5	Pb ICP70 ppm 2	Zn ICP70 ppm 0.5	Mo ICP70 ppm 1	As ICP70 ppm 3	Ba ICP70 ppm 1	K ICP70 % 0.01	Na ICP70 % 0.01	Mg ICP70 % 0.01	Ca ICP70 % 0.01
MAK-58-193A	0.09	0.4	79.6	7	3.9	22	35	630	0.2	0.03	0.04	0.03
MAK-58-19A	<0.01	0.2	80	6	3.4	28	8	117	0.21	0.03	0.03	0.03
MAK-58-19.7A	0.88	<0.2	35.9	<2	2.2	11	6	375	0.22	0.03	0.03	0.03
MAK-59-10A	0.02	0.4	76.6	14	62.8	1	<3	483	0.14	0.12	0.69	0.33
MAK-59-11A	0.02	<0.2	57.8	9	59.3	1	<3	336	0.13	0.12	0.71	0.35
MAK-59-12A	0.01	<0.2	30.5	2	43.9	<1	<3	28	0.2	0.12	0.64	0.27
MAK-60-10A	0.01	<0.2	105	96	133	2	15	283	0.15	0.11	1.03	0.42
MAK-60-11A	0.01	<0.2	108	69	133	2	14	165	0.11	0.1	1.15	0.44
MAK-60-12A	0.01	<0.2	55	70	175	1	16	24	0.04	0.15	2.46	0.66
MAK-61-17A	0.01	<0.2	169	38	115	3	6	128	0.08	0.1	0.55	0.43
MAK-61-18A	0.01	<0.2	372	29	202	2	4	81	0.08	0.1	0.51	0.41
MAK-61-19A	0.02	<0.2	19.5	7	37.5	5	<3	31	0.15	0.09	0.51	0.28
MAK-61-19.5A	<0.01	<0.2	7.6	5	13.8	3	<3	16	0.1	0.07	0.2	0.14
MAK-62-10A	0.03	<0.2	41.8	5	51.4	2	9	553	0.18	0.05	0.2	0.12
MAK-62-11A	0.01	0.3	16.3	6	48.9	2	5	37	0.16	0.05	0.23	0.15
MAK-62-12A	0.03	<0.2	47.9	8	72.9	2	9	40	0.13	0.05	0.37	0.25
MAK-62-13A	0.02	0.2	4.1	2	48	1	6	17	0.09	0.05	0.71	0.84
MAK-63-13A	0.02	<0.2	91.7	32	134	1	25	140	0.1	0.37	0.94	0.47
MAK-63-14A	0.03	0.3	194	33	186	1	36	138	0.06	0.46	1.19	0.63
MAK-63-15A	<0.01	0.5	72.9	18	88.8	2	48	182	0.07	0.32	0.94	0.84
MAK-64-13A	0.01	<0.2	75.3	15	122	<1	8	393	0.12	0.14	0.59	0.48
MAK-64-14A	0.02	<0.2	67.4	19	98.8	<1	8	363	0.12	0.11	0.55	0.42
MAK-64-15A	0.01	0.3	39.6	3	102	1	7	278	0.13	0.12	0.82	0.56
MAK-65-12A	0.03	0.5	30.1	13	132	<1	<3	255	0.15	0.05	0.97	0.59
MAK-65-13A	0.05	0.3	28.1	11	126	<1	3	271	0.18	0.04	0.97	0.57
MAK-65-14A	0.04	<0.2	29.8	<2	132	<1	<3	106	0.11	0.05	1.42	0.63
MAK-66-10A	0.09	<0.2	61.2	12	140	<1	6	482	0.14	0.2	1.24	0.93
MAK-66-11A	0.06	<0.2	34.2	11	134	<1	<3	227	0.18	0.14	1.03	0.7
MAK-66-12A	0.07	0.4	58.9	3	182	<1	<3	130	0.15	0.23	1.31	1.1
MAK-66-12.7A	<0.01	0.5	29.5	19	79.5	4	14	86	0.13	0.09	0.36	0.27
MAK-67-17A	<0.01	0.2	52.1	25	46.2	2	40	91	0.09	0.05	0.11	0.18
MAK-67-18A	<0.01	<0.2	62.1	26	42.9	2	41	93	0.08	0.05	0.1	0.16
MAK-67-19A	0.01	<0.2	17.7	8	26.8	3	34	32	0.19	0.04	0.05	0.09
MAK-68-27A	0.01	0.3	85.6	47	87.3	9	4	68	0.1	0.04	0.57	0.63
MAK-68-28A	0.02	<0.2	224	43	140	10	<3	48	0.08	0.04	0.62	0.65
MAK-68-29A	0.02	0.4	27.4	14	34.6	8	<3	38	0.14	0.06	0.34	0.42
MAK-69-02A	<0.01	<0.2	66.2	7	31.8	6	5	127	0.16	0.07	0.04	0.06
MAK-69-04A	<0.01	0.3	27.9	8	11	3	5	270	0.21	0.08	0.03	0.03
MAK-69-05A	<0.01	0.4	54.6	10	20.7	3	<3	149	0.19	0.07	0.03	0.03
MAK-69-06A	0.01	<0.2	60.7	10	20.3	3	<3	544	0.16	0.08	0.03	0.03
MAK-69-07A	<0.01	<0.2	45.9	16	20.7	3	<3	308	0.13	0.07	0.04	0.05
MAK-69-20A	0.03	0.6	95.3	11	17.3	3	7	707	0.15	0.04	0.03	0.05
MAK-69-27A	0.01	0.3	67.9	7	49.8	9	4	418	0.19	0.03	0.45	0.07
MAK-69-28A	<0.01	0.3	73.5	7	42.8	6	4	533	0.16	0.04	0.39	0.07
MAK-69-29A	0.01	0.6	31.7	9	26.2	3	<3	251	0.17	0.05	0.04	0.05
MAK-69-30A	0.01	<0.2	89.1	10	50.8	2	<3	597	0.2	0.03	0.68	0.08
MAK-70-24A	<0.01	<0.2	48.1	7	13	3	<3	134	0.1	0.05	0.06	0.06
MAK-70-25A	0.01	<0.2	17.8	7	7.8	2	<3	74	0.09	0.04	0.04	0.08
MAK-70-26A	0.01	<0.2	35.7	7	10.8	2	<3	122	0.11	0.06	0.06	0.08
MAK-70-28A	<0.01	<0.2	31.1	8	9	3	<3	211	0.09	0.04	0.07	0.04
MAK-70-29A	<0.01	<0.2	29	6	11	2	<3	150	0.1	0.04	0.12	0.05
MAK-70-30A	<0.01	<0.2	40.9	11	41	2	<3	63	0.13	0.06	0.44	0.09
MAK-72-17A	<0.01	0.3	47.2	108	103	1	<3	70	0.14	0.07	0.27	0.1
MAK-72-18A	<0.01	<0.2	39.3	29	59.1	<1	<3	44	0.11	0.07	0.3	0.1
MAK-72-19.5A	0.01	<0.2	22	9	39.4	1	<3	33	0.15	0.09	0.37	0.14
MAK-72-20A	0.01	<0.2	30.7	16	44.5	1	<3	31	0.15	0.07	0.37	0.17
C2002A	0.02	<0.2	28.1	9	4.1	4	<3	75	0.16	0.02	0.02	0.04
C2003A	0.02	0.4	81.3	8	8.1	6	<3	46	0.16	0.02	0.01	0.02
C2004A	0.02	<0.2	70.9	4	14.7	1	<3	25	0.06	0.02	0.01	0.08
C2005A	0.03	0.5	48.1	101	13.7	8	14	85	0.13	0.02	0.02	0.04
C2006A	0.04	0.8	12.3	68	6	55	3	67	0.04	0.02	0.01	0.08
C2007A	0.13	<0.2	5.2	26	1.8	47	8	34	0.08	0.02	<0.01	0.01
C2008A	1.05	<0.2	56.7	6	3.3	13	15	113	0.02	0.02	<0.01	0.02

Appendix 11

Geochemical Results for Akmola area

SampleID	Au	Ag	Cu	Pb	Zn	Mo	As	Ba	K	Na	Mg	Ca
Scheme	AAS	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
DetectionLimit	0.01	0.2	0.5	2	0.5	1	3	1	0.01	0.01	0.01	0.01
C2009A	1.90	5.1	52.8	11	8.8	52	15	355	0.02	0.02	<0.01	0.03
C2010A	0.02	<0.2	13.9	<2	3.4	19	6	80	0.16	0.02	<0.01	0.03
C2011A	0.16	<0.2	21	8	2	38	8	25	0.06	0.04	<0.01	0.06
C2012A	0.18	<0.2	12	4	2.8	5	4	51	0.03	0.02	<0.01	0.02
C2013A	0.40	<0.2	18.1	10	3.9	7	7	50	0.04	0.02	<0.01	0.02
C2015A	0.01	<0.2	5.5	<2	1.2	4	<3	30	0.13	0.02	<0.01	0.01
C2016A	0.12	<0.2	15.2	6	2	13	<3	125	0.01	0.02	<0.01	0.03
C2017A	1.07	0.4	15	38	6.8	60	6	63	0.04	0.02	<0.01	0.04
C2018A	1.13	0.5	22.5	41	16.7	78	9	90	0.04	0.02	0.02	0.11
C2020A	0.01	<0.2	37.4	4	4.3	13	<3	21	0.07	0.02	0.01	0.02
C2021A	0.23	0.5	35.1	34	4.5	162	33	142	0.06	0.02	<0.01	0.03
C2022A	0.13	<0.2	25.5	9	2.8	11	5	119	0.07	0.02	<0.01	0.03
C2026A	0.01	<0.2	5.1	<2	1.6	2	<3	32	0.13	0.02	0.02	0.15
C2027A	0.01	<0.2	23.6	4	3.1	5	<3	72	0.15	0.02	0.01	0.03
C2031A	0.07	0.3	38.3	9	8.1	6	<3	52	0.01	0.02	<0.01	0.04
C2035A	0.01	<0.2	9	3	3	4	<3	6	0.01	0.02	<0.01	<0.01
C2036A	0.02	<0.2	20.3	7	5.7	4	<3	575	0.12	0.02	<0.01	0.06
C2037A	0.11	0.2	8.5	6	4.5	3	<3	101	0.2	0.02	0.02	0.09
C2040A	0.09	0.6	33.7	3	7.7	7	<3	96	0.01	0.02	<0.01	0.26
C2042A	<0.01	0.3	12.7	<2	4.2	33	<3	192	0.14	0.02	<0.01	0.07
C2043A	0.04	0.5	63.3	4	10.7	5	<3	106	0.01	0.04	<0.01	0.07
C2044A	0.04	1.9	196	10	32.7	2	<3	80	0.02	0.09	0.03	0.15
C2045A	0.15	<0.2	12	4	2.5	7	5	114	0.03	0.02	<0.01	0.04
C2046A	0.03	0.5	28.2	35	4.6	77	19	216	0.05	0.02	0.01	0.05
C2047A	0.20	0.3	11.7	5	2.5	5	<3	206	0.07	0.02	<0.01	0.03
C2050A	0.07	0.5	14.5	33	8.5	25	25	740	0.02	0.02	<0.01	0.09
C2052A	0.28	<0.2	10.8	<2	3.3	6	4	57	0.09	0.02	<0.01	0.04
C2055A	0.01	0.4	9.3	<2	3.5	5	7	46	0.02	0.02	<0.01	0.02
C2059A	0.07	0.6	24.2	8	4	49	18	178	0.02	0.02	<0.01	0.03
C2060A	0.01	<0.2	9.6	4	1.8	4	<3	51	0.14	0.02	<0.01	0.01
C2061A	0.01	<0.2	7.1	2	2.1	3	<3	28	0.14	0.02	<0.01	0.05
C2062A	0.02	<0.2	7.4	11	1.5	51	3	48	0.04	0.02	<0.01	0.01
C2063A	0.01	0.4	12.8	8	3.6	22	5	33	0.08	0.02	<0.01	0.03
C2064A	0.01	<0.2	10.5	8	6.2	5	<3	47	0.12	0.03	0.01	0.05
C2066A	<0.01	0.9	200	105	140	1	54	144	0.07	0.04	0.05	0.07
C2067A	0.01	0.5	17.3	11	3.9	97	3	130	0.02	0.02	<0.01	0.11
C2068A	<0.01	<0.2	8.3	<2	3	6	<3	31	0.03	0.02	<0.01	0.03
C2071A	0.01	<0.2	8.1	236	8.4	12	13	100	0.07	0.03	0.01	0.03
C2072A	0.03	0.2	13.9	57	10	17	5	41	0.03	0.02	<0.01	0.01
C2076A	0.02	0.2	15.7	3	2.4	6	<3	82	0.11	0.02	<0.01	0.04
C2078A	0.08	1.8	22.1	445	19.7	15	10	248	0.06	0.02	<0.01	0.05
C2079A	0.07	1.9	15.5	<2	4.8	17	<3	2550	0.15	0.02	<0.01	0.03
C2080A	0.02	0.3	7	<2	2	4	4	56	0.04	0.02	<0.01	0.06
C2082A	0.10	0.6	30	20	9.7	24	77	471	0.02	0.02	0.01	0.04
C2083A	0.14	2.8	10.7	26	6.8	19	31	454	0.04	0.02	<0.01	0.07
C2087A	0.15	2.3	21.8	8	6.7	10	17	2390	0.07	0.02	0.01	0.07
C2088A	0.17	1.2	27.1	21	7.6	16	27	426	0.05	0.02	<0.01	0.1
C2089A	0.07	2.9	17.9	95	5.3	29	12	182	0.07	0.02	<0.01	0.06
C2090A	2.40	10.5	52.6	47	15.3	143	15	485	0.04	0.02	<0.01	0.05
C2091A	0.05	0.7	102	19	23.5	101	31	107	0.06	0.02	0.01	0.05
C2092A	0.03	0.9	38.5	22	11.1	119	18	97	0.07	0.02	0.01	0.07
C2093A	0.07	<0.2	9.4	4	2.4	13	6	376	0.03	0.02	<0.01	0.02
C2094A	0.04	<0.2	16.7	<2	2.8	5	<3	81	0.08	0.02	<0.01	0.05
C2096A	0.02	<0.2	14.6	4	10	12	7	65	0.15	0.02	0.01	0.07
C2097A	0.07	0.2	7.9	2	6.4	7	<3	69	0.05	0.02	<0.01	0.04
C2098A	0.08	<0.2	9.2	<2	3.4	7	<3	22	0.01	0.02	<0.01	<0.01
C2099A	0.02	<0.2	17.7	5	3.6	15	3	207	0.14	0.03	0.01	0.05
C2100A	0.55	1.6	49.8	14	4.9	9	<3	75	0.05	0.02	<0.01	0.12
C2101A	0.05	0.3	21.9	5	3.9	66	8	76	0.06	0.01	<0.01	0.03
C2102A	5.15	1	31.3	5	5.1	11	5	142	0.06	0.01	<0.01	0.1
C2103A	0.03	0.3	27	5	3.8	33	<3	107	0.07	0.02	<0.01	0.1
C2104A	0.02	<0.2	21.2	3	2.1	28	<3	248	0.23	0.11	<0.01	0.03
C2105A	0.02	0.6	19.9	4	3.5	5	<3	58	0.14	0.02	<0.01	0.02

Appendix 11

Geochemical Results for Akmola area

SampleID	Au	Ag	Cu	Pb	Zn	Mo	As	Ba	K	Na	Mg	Ca
Scheme	AAS	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70	ICP70
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
DetectionLimit	0.01	0.2	0.5	2	0.5	1	3	1	0.01	0.01	0.01	0.01
C2106A	0.08	<0.2	15.9	10	5.9	7	4	47	0.01	0.02	<0.01	0.02
C2107A	0.13	0.5	18.2	17	3.9	10	6	81	0.06	0.02	<0.01	0.03
C2108A	0.01	<0.2	49.6	4	3	5	<3	58	0.14	0.02	<0.01	0.03
C2109A	0.02	0.2	20	5	1.7	5	7	194	0.18	0.02	0.01	0.04
C2110A	0.27	<0.2	9.4	4	3.6	17	<3	111	0.12	0.02	0.01	0.04
C2111A	0.02	0.4	48.5	22	5.4	10	5	69	0.12	0.02	0.01	0.04
C2112A	0.84	0.7	75.4	10	3.1	6	<3	62	0.11	0.02	<0.01	0.03
C2113A	0.01	<0.2	12.4	8	4	8	3	31	0.14	0.02	<0.01	0.02
C2114A	0.01	1.3	176	17	80.1	<1	<3	205	0.06	0.03	0.03	0.07
C2115A	0.01	<0.2	21.9	<2	3.3	16	<3	704	0.16	0.03	<0.01	0.04
C2116A	0.14	0.7	26.1	21	6.9	5	3	589	0.16	0.05	<0.01	0.03
C2117A	0.02	<0.2	14.4	12	4.4	125	22	81	0.05	0.02	<0.01	0.06
C2202A	0.01	<0.2	3.4	7	163	2	<3	1180	0.14	0.04	0.6	0.31
C2206A	0.01	<0.2	3.2	<2	9.4	3	<3	112	0.1	0.04	0.07	0.08
C2207A	0.01	1.1	37.2	309	3.6	12	14	29	0.05	0.02	<0.01	0.02
C2209A	0.01	0.6	6.3	2	1.8	4	7	78	0.13	0.02	0.01	0.02
C2210A	0.02	0.2	5.3	<2	2.5	7	7	318	0.02	0.02	<0.01	0.03
C2212A	0.01	<0.2	10.1	37	3.3	12	3	138	0.18	0.02	0.01	0.02
C2213A	0.01	<0.2	7	3	2.8	4	11	88	0.21	0.02	0.01	0.03
C2216A	0.06	0.3	16.9	105	5.6	40	46	149	0.16	0.02	<0.01	0.03
C2217A	0.02	0.2	7.3	9	3.7	15	12	1270	0.17	0.02	0.01	0.07
C2218A	0.59	9.4	58.5	216	13	20	17	708	0.18	0.06	<0.01	0.14
C2220A	0.10	2	21.9	31	10.7	15	9	245	0.05	0.02	<0.01	0.07
C2222A	0.03	1.2	53.2	101	12.5	11	12	165	0.05	0.02	0.01	0.19
C2223A	0.01	<0.2	33.8	<2	15.3	15	13	94	0.09	0.02	<0.01	0.05
C2224A	0.01	0.2	46	16	18.6	11	143	48	0.14	0.02	0.02	0.1
C2225A	0.02	0.9	162	169	49.7	92	161	102	0.18	0.02	0.01	0.04
C2226A	0.04	<0.2	15.3	3	3.9	4	10	1030	0.06	0.01	<0.01	0.02
C2227A	0.65	0.6	23.5	74	4.1	7	8	87	0.02	0.01	<0.01	0.06
C2250A	0.01	0.2	6.4	15	7.4	2	12	130	0.17	0.03	0.02	0.05
C2251A	0.04	<0.2	17.6	62	4.6	31	42	265	0.14	0.02	<0.01	0.05
C2252A	0.19	3.1	48	97	13.8	13	95	2020	0.08	0.02	<0.01	0.03
C2257A	0.17	1.1	23.2	17	4.5	99	8	112	0.04	0.02	<0.01	0.06
C2258A	0.41	1.1	77.9	656	107	53	129	122	0.1	0.03	0.03	0.06
C2259A	0.34	2.1	103	64	21	37	63	327	0.02	0.02	<0.01	0.02
C2260A	<0.01	<0.2	6.6	6	2.1	8	<3	84	0.01	0.01	<0.01	0.03
C2261A	0.17	0.8	44.8	236	23.7	115	43	324	0.06	0.02	<0.01	0.03
C2262A	0.17	0.8	141	285	77.9	45	55	140	0.14	0.07	0.03	0.12
C2263A	0.04	2.4	12.6	41	6.9	4	<3	498	0.16	0.02	0.02	0.06
C2264A	<0.01	0.4	41.9	11	15.5	16	<3	122	0.15	0.02	0.03	0.11