Plate II-1 Geologic column of the MJTA-3

Longitude: 68d 35m 00s
Latitude: 48d 29m 22s
Coordination: 67.94 E, 72.95 N
Elevation: 487m

Final depth: 250m
Azimuth: 90 deg.
Inclination: 70 deg.

Depth (m) boundaries: 6.2, 7.7, 17.8, 32.0, 33.9, 44.4, 45.6, 50.0, 55.1, 57.0, 58.0, 68.0, 72.0, 73.9, 74.8, 79.2, 81.0, 84.2, 87.5, 97.0, 103.7, 105.4, 106.5, 112.4, 121.7, 123.3, 126.3, 127.3, 140.0, 152.3, 162.0, 165.0, 170.7, 173.6, 179.1, 180.0, 185.0, 190.0, 193.7, 200.3, 212.8, 215.9, 232.9, 235.6, 238.5, 239.6, 247.0, 250.0

Description

0.0-6.2m: yellowish brown, surface soil

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

17.8-32.0m: dark gray, diorite porphyry, with a lot of plagioclase phenocrysts
phenocrysts : grounmass = 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%

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

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

44.4-45.6m: strongly silicified rock, with weak cloritization, with weak epidotization
total amounts of disseminated pyrite = 1%

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%

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%

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

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.

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.

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

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

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

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

Alteration (1 m rows, 0 m to 250 m)

Sulfidation	Silicifica.	Argilliza.	Chloritiza.	Epidotiza.
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Examined Sample

3-32.5 PTX; 3-41.4 PT; 3-72.9 T; 3-112.4 I; 3-122.7 X; 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; 3-233.1 TI

Assay results

Assay Interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
6.2 - 9.0	70	0.4	53.0	17.3	45.0	10.0
9.0 - 11.0	30	0.2	53.5	8.4	36.0	6.0
11.0 - 13.0	30	0.2	45.5	7.5	31.0	8.0
13.0 - 15.0	20	0.5	132.5	9.1	31.0	11.0
15.0 - 17.0	70	0.3	98.5	9.0	39.0	20.0
17.0 - 19.0	100	0.2	157.0	6.9	26.5	28.0
19.0 - 21.0	140	0.1	39.5	4.6	25.5	3.0
21.0 - 23.0	60	<0.10	16.0	8.2	33.5	16.0
23.0 - 25.0	30	0.1	9.5	10.8	44.0	9.0
25.0 - 27.0	30	0.2	21.0	10.7	44.0	3.0
27.0 - 29.0	30	0.2	22.5	12.8	51.5	7.0
29.0 - 31.0	40	0.2	86.0	7.1	39.0	11.0
31.0 - 33.0	30	0.6	60.0	8.6	36.5	26.0
33.0 - 35.0	30	<0.10	43.5	8.5	33.5	4.0
35.0 - 38.0	20	0.2	20.0	8.2	33.0	3.0
38.0 - 41.0	40	0.2	178.5	7.9	34.0	23.0
41.0 - 44.0	50	0.2	120.0	7.4	35.5	20.0
44.0 - 47.0	30	<0.10	70.0	7.2	38.0	7.0
47.0 - 50.0	30	0.2	186.0	7.1	12.5	10.0
50.0 - 53.0	60	0.5	210.0	8.1	11.0	19.0
53.0 - 54.0	60	0.3	180.0	7.7	10.0	48.0
54.0 - 55.0	30	0.2	107.5	23.0	8.5	44.0
55.0 - 56.0	40	0.2	95.5	6.9	9.0	9.0
56.0 - 59.0	40	0.5	111.5	5.2	8.5	10.0
59.0 - 62.0	70	0.2	150.0	8.8	18.5	10.0
62.0 - 65.0	60	0.9	61.5	26.1	9.0	3.0
65.0 - 68.0	20	0.2	413.0	8.6	13.0	3.0
68.0 - 71.0	120	0.1	30.0	7.4	14.5	3.0
71.0 - 74.0	30	0.2	148.5	9.7	17.0	7.0
74.0 - 77.0	30	0.3	429.0	6.4	48.5	3.0
77.0 - 78.0	40	0.2	46.0	13.2	17.3	<2.0
78.0 - 79.0	850	0.2	33.0	4.1	14.0	4.0
79.0 - 80.0	210	<0.10	516.0	5.7	10.0	<2.0
80.0 - 81.0	230	0.5	182.0	4.5	12.5	<2.0
81.0 - 84.0	430	0.2	83.0	2.9	13.5	<2.0
84.0 - 87.0	140	0.1	117.5	7.4	15.0	<2.0
87.0 - 90.0	60	0.1	115.0	5.1	10.0	<2.0
90.0 - 93.0	50	0.2	97.0	5.2	16.5	<2.0
93.0 - 96.0	70	0.2	66.0	4.1	19.0	28.0
96.0 - 99.0	40	0.1	39.5	3.5	17.5	<2.0
99.0 - 102.0	10	0.1	76.5	4.6	19.0	<2.0
102.0 - 103.0	30	0.2	257.0	6.1	20.0	<2.0
103.0 - 104.0	50	0.9	352.0	91.6	22.0	3.0
104.0 - 105.0	30	0.2	105.5	6.0	26.0	7.0
105.0 - 108.0	150	0.1	63.0	6.5	19.0	<2.0
108.0 - 111.0	20	0.2	99.5	7.0	22.5	<2.0
111.0 - 114.0	40	0.3	111.0	7.7	20.0	<2.0
114.0 - 117.0	30	0.2	99.5	7.4	20.0	<2.0
117.0 - 120.0	10	0.1	102.5	6.4	17.5	<2.0
120.0 - 121.0	20	0.2	29.0	6.3	15.5	<2.0
121.0 - 122.0	50	0.2	136.0	4.8	18.5	<2.0
122.0 - 123.0	90	0.4	517.5	5.0	22.0	11.0
123.0 - 126.0	70	0.4	545.0	4.8	21.5	<2.0
126.0 - 129.0	130	0.4	575.0	4.0	20.0	34.0
129.0 - 132.0	50	0.1	80.5	4.8	18.5	<2.0
132.0 - 135.0	40	0.1	98.5	0.7	21.0	<2.0
135.0 - 138.0	30	0.2	117.5	11.5	22.5	12.0
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
209.0 - 212.0	40	<0.10	416.0	6.1	28.0	10.0
212.0 - 213.0	110	0.4	595.0	8.4	32.5	17.0
213.0 - 214.0	30	<0.10	287.0	7.4	23.5	11.0
214.0 - 215.0	140	0.4	575.0	9.9	30.0	13.0
215.0 - 216.0	200	0.9	645.0	6.3	37.5	51.0
216.0 - 219.0	20	0.1	173.5	6.9	26.0	25.0
219.0 - 222.0	<10	<0.10	210.0	5.9	27.0	29.0
222.0 - 225.0	10	1.5	140.0	7.6	25.5	18.0
225.0 - 228.0	10	0.2	81.5	8.6	28.5	11.0
228.0 - 231.0	10	<0.10	84.0	7.5	27.5	17.0
231.0 - 233.0	100	0.3	375.5	18.6	31.0	10.0
233.0 - 234.0	70	0.5	595.0	62.4	37.5	<2.0
234.0 - 235.0	70	0.5	605.0	3.6	30.5	3.0
235.0 - 236.0	30	0.1	221.0	3.6	24.5	<2.0
236.0 - 238.0	30	0.5	473.0	5.5	27.5	<2.0
238.0 - 239.0	20	0.3	340.0	6.6	26.0	<2.0
239.0 - 240.0	40	0.3	190.0	7.2	47.0	<2.0
240.0 - 242.0	10	0.1	35.5	6.8	52.5	<2.0
242.0 - 244.0	20	0.1	28.5	5.3	52.0	<2.0
244.0 - 247.0	30	0.1	62.0	4.6	50.5	<2.0
247.0 - 250.0	50	0.2	299.0	12.4	24.5	<2.0

Plate II–2　Geologic column of the MJTA–4

Longitude: 68d 35m 16s
Latitude: 48d 29m 40s
Coordination: 68.26 E 73.55 N
Elevation: 489m

Final depth: 250m
Azimuth: 135 deg.
Inclination: 70 deg.

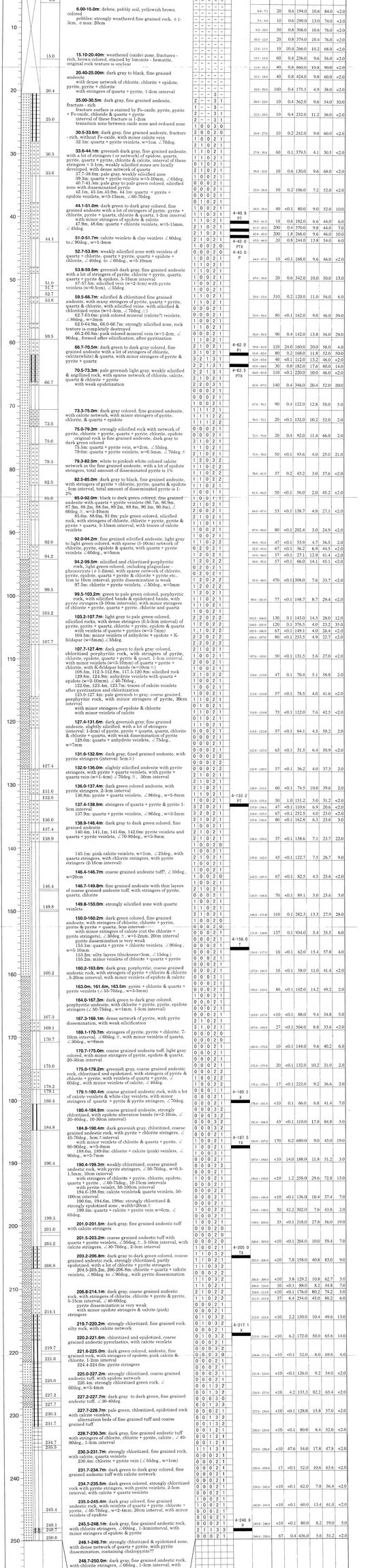

Plate II-3　Geologic column of the MJTA-5

Longitude:　68d 34m 03s
Latitude:　46d 28m 44s
Coordination:66 76 E, 71 72 N
Elevation:　474m

Final depth:　300m
Azimuth:　–
Inclination:　vertical.

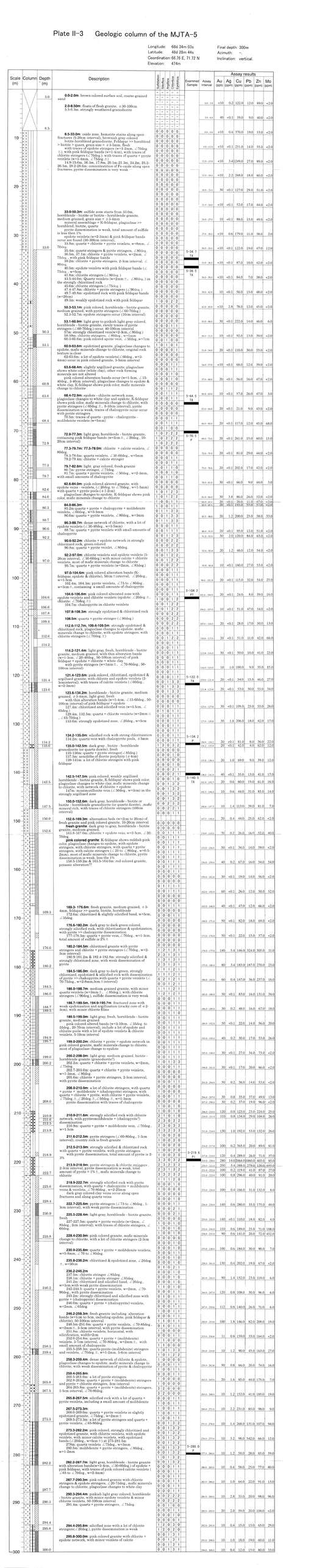

Plate II-4 Geologic column of the MJTA-6

Longitude: 68d 26m 54s
Latitude: 48d 49m 18s
Coordination: 459523 E, 5407572N
Elevation: 494m

Final depth: 250m
Azimuth: -.
Inclination: vertical

Description

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

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

8.0-9.4m: argillized & weakly silicified rock with dense network of hematite

9.4-10.5m: strongly silicified rock with dense network of hematite

10.5-11.8m: reddish brown to dark brown colored, hematite-rich rock, with dense networkof hematite, with dissemination of hematite

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, ∠60deg.)
plagioclase phenocrysts are replaced by white clay or pale green colored mineral

19.6-20.5mclight gray, strongly silicified rock with pyrite dissemination (total amount of sulfide = 2%±), with hematite network, with hematite dissemination
transition zone between oxide zone and sulfide zone

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)

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
36.0m: quartz + pyrite veinlets, ∠60deg., w=3mm

39.1-39.9m: light gray, slightly silicified porphyritic granite, with minor stringers of pyrite (interval 10cm±)

39.9-45.3m: pinkish light gray colored granite, plagioclase changes to epidote & white clay, mafic minerals change to chlorite
with chlorite network, with quartz + pyrite veinlets (20cm interval, ∠80deg.), partly silicified, with weak dissemination of pyrite

45.3-46.3m: greenish gray, strongly argillized rock with a lot of quartz + chlorite + clay veinlets (∠90-70deg., 5mm interval)

47.6-51.9m: strongly altered rock, strongly chloritized, epidotized, argillized rock, with pyrite dissemination, partly silicified
with druses (inside: coarse grained quarts crystals)
original rock texture is completely destroyed
with minor veinletsof quartz

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
with weak dissemination of pyrite

57.7-58.0m: strongly silicified rock with veins of quartz + chlorite + pyrite (w=5cm, ∠80deg.) with pyrite stringers with pyrite dissemination

58.0-61.3m: same to 51.9-57.7m
59.5-60.0m: pyrite + quartz veinlets (w=3mm, ∠70deg.)

61.3-63.0m: greenish light gray, altered granite, plagioclase & K-feldspar are altered to white clay, mafic minerals are altered to chlorite & epidote
with strong dissemination of pyrite, with clay stringers(1-2cm interval)

63.0-75.6m: weakly chloritized dacite dyke, greenish light gray, very fine grained, glassy, with biotite phenocrysts (ϕ 0.5mm±), with a lot of holes (ϕ 3-5mm)
no mineralization

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.

82.5-83.4m: white, strongly argillized granite, with weak dissemination of pyrite

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

91.55-92.5m: strongly argillized rock, greenish light gray colored, with pyrite disseminationw, with a lot of chlorite stringers

92.5-95.3m: greenish pale gray, weakly silicified & chloritized rock, with a lot of pyrite stringers, with minor veinlets of quartz + pyrite

95.3-97.1m: greenish gray, strongly silicified, chloritized & epidotized rock, with quart-pyrite veinlets, with pyrite dissemination

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

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

105.0-109.9m: slightly silicified & argillized granite, mafic minerals are altered to chlorite, with chlorite + pyrite veinlets(interval 2-5cm)
106.8m: quartz + pyrite vein, ∠75deg., w=2cm

109.9-112.0m: strongly chloritized, strongly epidotized, weakly argillized, weakly silicified rock, with dense dissemination of pyrite, with network of pyrite

112.0-112.5m: strongly silicified rock with quartz veins (∠75deg., w=15cm)

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

118.4-119.1m: light gray, strongly silicified rock with dense dissemination of pyrite

119.1-121.3m: greenish gray, strongly chloritized and epidotized rock, with minor veinlets of quartz, with pyrite stringers

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)

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

128.1-128.6m: strongly silicified rock, with strong dissemination of pyrite, with veinlets & stringers of pyrite + quartz (∠75deg. - ∠90deg.)

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)

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

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 (ϕ 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: quarts + 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

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

Examined Sample

6-20.8 X; 6-49.2 PTXI; 6-96.7 PTX; 6-145.0 I; 6-151.0 PT; 6-153.0 PT; 6-202.3 PT; 6-228.2 PX; 6-229.0 TX; 6-249.0 PTX

Assay results

Assay Interval	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
0.0 - 3.5	10	<0.10	88.0	6.3	31.5	<2.0
3.5 - 6.0	10	0.4	40.0	5.5	11.5	<2.0
6.0 - 9.0	10	0.1	44.0	7.0	10.5	<2.0
9.0 - 12.0	20	0.6	52.5	7.7	16.5	<2.0
12.0 - 15.0	20	0.2	30.0	17.8	23.0	<2.0
15.0 - 16.0	20	0.9	44.5	21.5	33.0	<2.0
16.0 - 17.0	50	0.2	49.5	10.4	22.0	7.0
17.0 - 18.0	50	6.5	44.5	7.4	38.0	<2.0
18.0 - 19.0	40	0.3	36.5	6.4	26.0	<2.0
19.0 - 20.0	60	0.5	33.5	6.6	25.0	2.0
20.0 - 21.0	30	0.5	27.5	8.4	14.0	19.0
21.0 - 24.0	20	0.1	37.0	6.9	34.0	<2.0
24.0 - 27.0	10	0.4	28.5	9.4	43.5	<2.0
27.0 - 30.0	10	<0.10	22.0	3.7	70.0	<2.0
30.0 - 32.7	43	<0.10	20.0	11.6	55.8	<2.0
32.7 - 36.0	50	<0.10	24.0	16.2	60.6	<2.0
36.0 - 39.0	50	<0.10	24.0	9.6	55.8	<2.0
39.0 - 42.0	<10	<0.10	30.0	12.8	57.6	<2.0
42.0 - 45.0	23	<0.10	30.0	11.0	58.4	<2.0
45.0 - 48.0	23	0.8	36.0	152.6	229.8	<2.0
48.0 - 49.0	30	<0.10	78.0	191.6	81.2	<2.0
49.0 - 50.0	27	4.4	360.0	839.6	288.0	7.0
50.0 - 51.0	17	1.2	59.5	79.4	99.2	<2.0
51.0 - 52.0	23	0.8	46.0	108.6	98.6	<2.0
52.0 - 55.0	17	0.8	26.0	14.0	73.2	<2.0
55.0 - 58.0	10	<0.10	24.0	11.4	60.4	<2.0
58.0 - 61.0	20	0.2	24.0	9.6	57.8	<2.0
61.0 - 62.0	20	0.4	18.0	15.6	60.2	<2.0
62.0 - 63.0	17	0.2	38.0	15.2	63.4	<2.0
63.0 - 67.0	<10	<0.10	4.0	7.6	125.4	<2.0
67.0 - 71.0	10	<0.10	32.0	8.4	111.2	<2.0
71.0 - 74.0	13	<0.10	18.0	7.2	76.2	<2.0
74.0 - 77.0	23	1.8	168.0	18.0	73.2	<2.0
77.0 - 80.0	27	3.8	62.0	14.8	81.0	<2.0
80.0 - 83.0	33	1.6	50.0	10.0	74.2	2.0
83.0 - 86.0	<10	1.0	32.0	8.8	87.6	<2.0
86.0 - 89.0	<10	4.2	40.0	24.2	94.2	<2.0
89.0 - 92.0	17	0.4	34.0	20.8	86.4	<2.0
92.0 - 95.0	20	2.2	18.0	22.8	81.0	<2.0
95.0 - 96.0	40	0.8	60.0	85.0	75.2	<2.0
96.0 - 97.0	47	1.4	54.0	80.4	72.0	<2.0
97.0 - 100.0	20	0.6	34.0	38.6	65.4	<2.0
100.0 - 103.0	30	5.6	32.0	48.6	89.4	<2.0
103.0 - 106.0	33	1.0	72.0	33.6	71.4	<2.0
106.0 - 109.0	23	0.6	36.0	39.2	63.4	<2.0
109.0 - 112.0	43	0.8	40.0	18.4	60.2	<2.0
112.0 - 113.0	33	30.4	24.0	20.2	45.2	<2.0
113.0 - 116.0	37	0.6	34.0	12.4	77.2	<2.0
116.0 - 119.0	37	18.4	166.0	33.6	44.8	<2.0
119.0 - 121.0	37	1.6	48.0	221.0	65.2	<2.0
121.0 - 123.0	23	1.6	20.0	14.0	56.2	<2.0
123.0 - 124.0	67	4.6	152.0	818.0	66.8	<2.0
124.0 - 127.0	37	2.8	66.0	15.6	48.0	<2.0
127.0 - 130.0	47	1.2	120.0	24.8	57.2	<2.0
130.0 - 133.0	23	1.6	152.0	36.4	71.0	<2.0
133.0 - 136.0	23	3.2	120.0	37.0	74.0	<2.0
136.0 - 139.0	40	0.8	56.0	20.8	63.4	<2.0
139.0 - 142.0	67	0.2	80.0	17.4	39.0	<2.0
142.0 - 143.0	50	<0.10	112.0	18.0	41.2	<2.0
143.0 - 144.0	43	0.6	72.0	12.8	42.8	<2.0
144.0 - 145.0	147	2.0	66.0	130.2	35.8	<2.0
145.0 - 146.0	93	0.1	95.0	12.0	40.0	<2.0
146.0 - 147.0	347	0.4	94.0	25.6	36.2	<2.0
147.0 - 148.0	137	<0.10	66.0	12.2	36.4	<2.0
148.0 - 151.0	27	0.4	54.0	10.8	42.4	<2.0
151.0 - 152.0	47	0.2	84.0	15.8	50.2	<2.0
152.0 - 153.0	40	0.6	52.0	12.6	64.8	<2.0
153.0 - 154.0	17	2.2	38.0	11.6	40.6	<2.0
154.0 - 157.0	50	0.4	34.0	12.4	35.4	<2.0
157.0 - 160.0	17	1.8	110.0	14.0	43.2	<2.0
160.0 - 163.0	17	1.8	58.0	14.4	43.4	<2.0
163.0 - 166.0	33	<0.10	56.0	15.2	46.0	<2.0
166.0 - 169.0	17	<0.10	56.0	21.6	39.6	<2.0
169.0 - 172.0	<10	0.8	78.0	24.0	53.4	<2.0
172.0 - 175.0	13	<0.10	52.0	23.6	55.6	<2.0
175.0 - 178.0	47	<0.10	52.0	40.2	58.6	<2.0
178.0 - 181.0	10	0.6	32.0	41.0	57.8	<2.0
181.0 - 184.0	20	<0.10	52.0	31.6	51.2	<2.0
184.0 - 186.0	20	<0.10	82.0	24.8	47.2	<2.0
186.0 - 187.0	27	<0.10	66.0	21.0	48.8	3.0
187.0 - 188.0	37	0.2	46.0	20.6	39.2	<2.0
188.0 - 189.0	<10	0.8	44.0	31.0	36.8	93.0
189.0 - 190.0	20	<0.10	46.0	17.6	35.6	2.0
190.0 - 193.0	<10	0.2	24.0	29.4	46.2	8.0
193.0 - 196.0	<10	<0.10	34.0	32.2	48.2	8.0
196.0 - 199.0	<10	<0.10	26.0	31.6	46.2	7.0
199.0 - 202.0	<10	<0.10	34.0	31.0	40.8	12.0
202.0 - 203.0	<10	<0.10	42.0	22.4	40.8	<2.0
203.0 - 206.0	<10	<0.10	34.0	27.8	52.0	14.0
206.0 - 209.0	<10	<0.10	18.0	26.0	42.6	7.0
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
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
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
245.0 - 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

Plate II–5　Geologic column of the MJTA–7

Longitude: 68d 27m 10s
Latitude: 46d 49m 30s
Coordination: 459850 E, 5407950N
Elevation: 483m

Final depth: 250m
Azimuth: –
Inclination: vertical

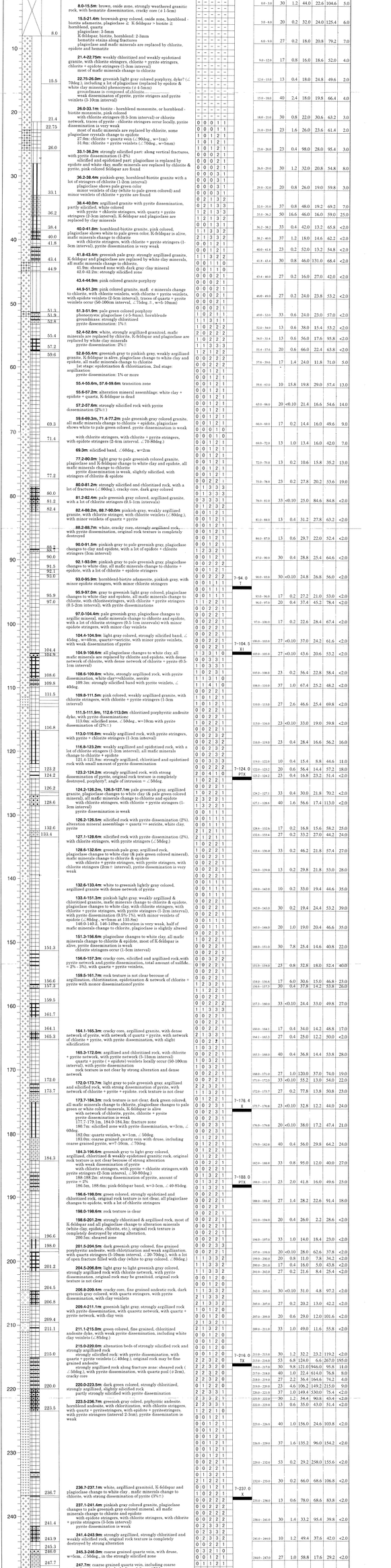

Plate II-6 Geologic column of the MJTA-8

Longitude: 68d 26m 25s
Latitude: 48d 49m 08s
Coordination: 458929 E, 5407271N
Elevation: 496m

Final depth: 250m
Azimuth: -.
Inclination: vertical

Description

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±
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, ∠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, ∠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, ∠70-85deg., w=7mm±

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, ∠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± or 2-4cm interval)
chalcopyrite dissemination ??

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

73.4-77.2m: weakly argillized porphyry with traces of pyrite stringers, brownish gray colored

77.2-78.1m: weakly silicified porphyry, quartz + pyrite network with pyrite dissemination

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.

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

89.3-94.5m: brownish gray colored porphyry
plagioclase phenocrysts (φ 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

94.5-98.3m: strongly argillized & weakly silicified zone with dense network of quartz + pyrite, with pyrite dissemination

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 (φ 2-5cm) & dark gray colored silicified matrix

102.9-105.5m: argillized & slightly silicified porphyry, light gray colored, with dense network of quartz, quartz + pyrite, clay & chlorite,
pyrite dissemination is weak

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

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

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

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

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,

138.8-140.6m: light gray colored, argillized & chloritized porphyry, with quartz + pyrite veinlets (∠20-65deg., interval of 5-10cm), slightly silicified

140.6-142.5m: strongly silicified rock, with quartz + pyrite veinlets & stringers, with quartz, + pyrite pools (φ 1-2cm), rock texture is dstroyed by strong silicification

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

146.7-148.0m: gray, argillized & slightly silicified porphyry with pyrite stringers

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
shear zone

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%

151.8-154.3m: light gray colored, strongly silicified rock, with quartz + pyrite network, with pyrite network, with quartz network with pyrite dissemination

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

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

161.5-165.0m: strongly silicified rock, fine grained rock, original rock texture is destroyed by strong silicification
strong dissemination of pyrite & dense network of pyrite are widely developed
162.5-163.4m: strongly argillized porphyry, slightly silicified, pyrite dissemination is very weak

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
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%

172.4-177.0m: strongly argillized & chloritized porphyry and strongly silicified porphyry, contact boundaries between argillized part and silicified part are irregular
argillized & chloritized part: pyrite dissemination is very weak (<1%)
silicified part: pyrite dissemination is strong (2%±)

177.0-185.8m: fine grained andesite? dyke, with chloritized hornblende phenocrysts (φ 1mm) & argillized plagioclase phenocrysts (φ 1-2mm), traces of clay veinlets occur (interval of 4-10cm)
165.5m: quartz + pyrite vein, w=25cm ∠50deg., including coarse grained pyrite

188.0-190.0m: green colored porphyry, argillized & chloritized, with quartz + pyrite veinlets (∠70deg., w=5-10mm), with quartz stringers (2-5cm interval)

190.0-192.0m: strongly silicified rock with pyrite dissemination, showing brecciated structure, (φ 2-4cm)

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)
pyrite dissemination is weak
fractured rock (cracky core)

205.3-214.4m: chloritized porphyry, weakly argillized, pyrite stringers occur (interval of 2-5cm), fractured core (cracky core), original rock texture is clear

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

219.0-226.0m: 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)

226.0-237.5m: 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

237.5-250.0m: 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)

Depth (m) boundaries: 6.1, 10.0, 13.3, 19.8, 21.8, 27.5, 38.5, 41.6, 44.0, 46.3, 50.7, 54.8, 58.7, 65.7, 71.3, 73.4, 77.2, 78.1, 83.1, 89.3, 94.5, 98.3, 102.9, 105.5, 109.5, 113.0, 114.7, 130.7, 138.8, 140.6, 142.5, 143.0, 146.7, 148.0, 151.4, 151.8, 154.3, 158.7, 161.5, 165.0, 172.4, 177.0, 185.8, 188.0, 190.0, 192.0, 205.3, 214.4, 219.0, 226.0, 237.5, 250.0

Alteration (per metre)

Depth (m)	Sulfidation	Silicifica.	Argilliza.	Chloritiza.	Epidotiza.
0-1	-	-	-	-	-
1-2	-	-	-	-	-
2-3	-	-	-	-	-
3-4	-	-	-	-	-
4-5	-	-	-	-	-
5-6	-	-	-	-	-
6-7	-	2	3	-	-
7-8	-	2	3	-	-
8-9	-	1	3	-	-
9-10	-	1	3	-	-
10-11	-	0	3	-	-
11-12	-	0	3	-	-
12-13	-	0	3	-	-
13-14	-	0	2	-	-
14-15	-	0	2	-	-
15-16	-	0	2	-	-
16-17	-	0	2	-	-
17-18	-	0	2	-	-
18-19	-	0	2	-	-
19-20	-	0	2	-	-
20-21	-	1	3	-	-
21-22	-	1	3	-	-
22-23	-	0	3	-	-
23-24	-	0	3	-	-
24-25	-	0	3	-	-
25-26	-	0	3	-	-
26-27	-	0	3	-	-
27-28	-	0	3	-	-
28-29	0	0	3	2	0
29-30	0	0	3	2	0
30-31	0	0	3	2	0
31-32	0	0	3	2	0
32-33	0	0	3	2	0
33-34	0	0	3	2	0
34-35	0	0	3	2	0
35-36	0	0	3	2	0
36-37	0	0	3	2	0
37-38	0	0	3	2	0
38-39	1	1	3	2	0
39-40	1	1	3	2	0
40-41	1	1	3	2	0
41-42	1	1	3	2	0
42-43	3	4	2	0	0
43-44	3	4	2	0	0
44-45	1	1	3	2	0
45-46	1	1	3	2	0
46-47	0	1	2	1	0
47-48	0	1	2	1	0
48-49	0	1	2	1	0
49-50	0	1	2	1	0
50-51	0	1	2	1	0
51-52	1	1	3	2	1
52-53	1	1	3	2	1
53-54	2	1	3	2	1
54-55	2	1	3	2	1
55-56	1	1	3	2	1
56-57	1	1	3	2	1
57-58	1	1	3	2	1
58-59	2	3	2	1	2
59-60	1	0	2	2	0
60-61	1	0	2	2	0
61-62	1	0	2	2	0
62-63	0	0	2	2	0
63-64	0	0	2	2	0
64-65	0	0	2	2	0
65-66	0	0	2	2	0
66-67	0	0	2	2	0
67-68	0	1	2	2	1
68-69	1	1	2	2	1
69-70	1	1	2	2	1
70-71	1	1	2	2	1
71-72	3	4	3	2	2
72-73	2	2	2	2	2
73-74	1	0	2	2	1
74-75	0	0	2	1	0
75-76	0	0	2	1	0
76-77	0	0	2	1	0
77-78	1	1	2	1	0
78-79	0	0	2	1	0
79-80	0	0	2	1	0
80-81	0	0	2	1	0
81-82	0	0	2	1	0
82-83	0	0	2	1	0
83-84	2	2	3	1	0
84-85	2	3	3	1	0
85-86	2	3	3	1	0
86-87	2	3	3	1	0
87-88	3	4	3	1	0
88-89	1	1	3	2	1
89-90	0	0	2	1	0
90-91	0	0	2	1	0
91-92	0	0	2	1	0
92-93	0	0	2	1	0
93-94	0	0	2	1	0
94-95	1	1	3	2	0
95-96	0	1	3	2	0
96-97	1	2	3	2	0
97-98	1	2	3	2	1
98-99	4	4	3	1	1
99-100	4	4	3	1	1
100-101	4	4	3	1	1
101-102	4	4	3	1	1
102-103	4	4	3	1	1
103-104	2	2	3	1	0
104-105	2	2	4	1	0
105-106	1		2	1	0
106-107	0	0	2	2	0
107-108	0	0	2	2	0
108-109	0	0	2	2	0
109-110	0	1	2	2	0
110-111	1	1	4	3	0
111-112	1	1	4	3	0
112-113	0	1	4	3	0
113-114	0	0	1	2	0
114-115	0	0	1	2	0
115-116	1	3	2	3	0
116-117	2	4	1	2	0
117-118	2	5	0	0	0
118-119	3	5	0	0	0
119-120	3	5	0	0	0
120-121	3	5	0	0	0
121-122	2	5	0	0	0
122-123	3	5	0	0	0
123-124	3	5	0	0	0
124-125	3	5	0	0	0
125-126	3	5	0	0	0
126-127	3	5	0	1	0
127-128	2	5	0	1	0
128-129	2	5	0	1	0
129-130	1	3	2	2	1
130-131	1	3	2	2	1
131-132	0	1	3	2	0
132-133	0	1	3	2	0
133-134	0	1	3	2	0
134-135	0	1	3	2	0
135-136	0	1	3	2	0
136-137	0	1	3	2	0
137-138	0	1	3	2	0
138-139	0	1	3	2	0
139-140	0	1	3	2	0
140-141	1	3	2	2	1
141-142	2	4	1	2	2
142-143	1	3	2	2	1
143-144	2	4	2	3	1
144-145	2	4	2	3	1
145-146	2	4	2	3	1
146-147	2	4	2	3	1
147-148	0	2	3	2	1
148-149	0	3	3	2	1
149-150	1	4	3	2	1
150-151	3	4	2	2	1
151-152	3	2	3	2	2
152-153	3	4	3	2	1
153-154	3	4	3	2	1
154-155	4	5	1	1	1
155-156	4	5	1	1	1
156-157	4	5	1	1	1
157-158	4	5	0	0	0
158-159	3	5	1	1	0
159-160	3	5	1	1	0
160-161	3	5	1	1	0
161-162	3	5	1	1	0
162-163	2	3	4	3	1
163-164	2	3	4	3	1
164-165	3	5	1	1	0
165-166	0	1	3	3	0
166-167	0	1	3	3	0
167-168	0	1	3	3	0
168-169	0	1	3	3	0
169-170	0	1	3	3	0
170-171	1	3	2	3	0
171-172	0	1	3	3	0
172-173	0	1	3	3	0
173-174	1	2	3	3	0
174-175	1	2	3	3	0
175-176	1	3	2	3	0
176-177	1	3	1	2	0
177-178	0	0	1	2	0
178-179	0	0	1	2	0
179-180	0	0	1	2	0
180-181	0	0	1	2	0
181-182	0	0	1	2	0
182-183	0	0	1	2	0
183-184	0	0	1	2	0
184-185	0	0	1	2	0
185-186	0	0	1	2	0
186-187	1	3	1	1	0
187-188	3	4	1	1	0
188-189	0	0	2	3	0
189-190	0	1	2	3	0
190-191	1	3	2	3	0
191-192	1	3	2	3	0
192-193	0	0	1	3	1
193-194	0	0	1	3	1
194-195	0	0	1	3	1
195-196	0	0	1	3	1
196-197	0	0	1	3	1
197-198	0	0	1	3	1
198-199	0	0	1	3	1
199-200	0	0	1	3	1
200-201	0	0	1	3	1
201-202	0	0	1	3	1
202-203	0	0	1	3	1
203-204	0	0	1	3	1
204-205	0	0	1	3	1
205-206	0	0	1	3	2
206-207	0	0	1	3	2
207-208	0	0	1	3	2
208-209	0	0	1	3	2
209-210	0	0	1	4	2
210-211	0	0	1	4	2
211-212	0	0	1	4	2
212-213	1	1	1	4	2
213-214	1	1	1	3	1
214-215	1	1	1	3	1
215-216	2	3	2	2	1
216-217	2	3	2	2	1
217-218	2	3	2	2	2
218-219	2	3	2	2	1
219-220	2	4	2	2	2
220-221	2	4	2	2	2
221-222	2	4	2	2	2
222-223	2	4	2	2	2
223-224	2	4	2	2	2
224-225	2	4	2	2	2
225-226	2	4	2	2	2
226-227	1	4	1	2	2
227-228	1	4	1	2	2
228-229	1	4	1	2	2
229-230	1	4	1	2	2
230-231	1	4	1	2	2
231-232	2	4	1	2	2
232-233	1	4	1	2	2
233-234	1	4	1	2	2
234-235	1	4	1	2	2
235-236	1	4	1	2	2
236-237	0	4	1	2	2
237-238	1	4	1	2	2
238-239	1	4	2	2	2
239-240	1	4	2	2	2
240-241	1	4	2	2	2
241-242	1	4	2	2	2
242-243	1	4	2	2	2
243-244	1	4	2	2	2
244-245	1	4	2	2	2
245-246	1	4	2	2	2
246-247	1	4	2	3	2
247-248	1	4	3	3	2
248-249	1	3	3	3	2
249-250	1	2	3	3	2

Examined Sample

Examined Sample
8-37.5 TX
8-55.6 PT
8-70.8 T
8-84.0 PTX
8-86.0 P
8-102.0 P
8-104.0 PTXI
8-121.0 PI
8-150.4 PX
8-151.0 T
8-157.0 PT
8-231.0 TX
8-240.2 P
8-249.1 PTXI

Assay results

Assay Interval	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
6.0 - 9.0	23	0.4	72.2	10.2	12.6	20.0
9.0 - 12.0	10	0.2	161.6	6.2	117.6	12.0
12.0 - 15.0	33	<0.1	35.0	8.8	94.6	7.0
15.0 - 18.0	13	0.8	43.4	18.8	132.8	17.0
18.0 - 21.0	110	0.2	118.8	29.4	51.0	3.0
21.0 - 24.0	50	0.2	69.4	5.4	105.8	4.0
24.0 - 27.0	33	0.2	59.2	14.2	112.2	<2.0
27.0 - 30.0	67	0.2	121.4	14.6	72.4	4.0
30.0 - 33.0	50	0.2	117.0	20.0	79.6	22.0
33.0 - 36.0	80	0.2	145.2	25.8	78.6	33.0
36.0 - 38.5	40	<0.1	70.4	17.8	64.4	15.0
38.5 - 41.6	57	0.2	103.8	8.0	70.0	11.0
41.6 - 42.6	127	0.2	70.8	8.0	80.0	<2.0
42.6 - 44.0	77	0.4	108.0	7.4	39.8	44.0
44.0 - 46.3	77	<0.1	151.4	8.4	60.6	7.0
46.3 - 49.0	37	<0.1	96.6	6.8	68.8	<2.0
49.0 - 51.0	37	1.6	62.4	7.0	51.8	12.0
51.0 - 53.0	40	<0.1	52.6	4.6	47.6	<2.0
53.0 - 54.0	30	<0.1	49.0	4.8	49.0	<2.0
54.0 - 55.0	50	0.6	64.2	5.6	50.2	<2.0
55.0 - 58.0	33	<0.1	48.2	16.2	64.0	<2.0
58.0 - 59.0	27	<0.1	54.6	12.0	66.8	13.0
59.0 - 62.0	33	<0.1	45.6	10.6	66.4	<2.0
62.0 - 65.0	27	<0.1	54.4	13.8	76.8	<2.0
65.0 - 68.0	<10	<0.1	37.6	11.0	73.4	<2.0
68.0 - 71.0	17	<0.1	64.8	11.0	99.4	<2.0
71.0 - 72.0	70	<0.1	49.2	12.4	93.8	55.0
72.0 - 73.0	27	<0.1	19.6	11.2	83.4	7.0
73.0 - 76.0	33	<0.1	30.6	13.8	81.6	<2.0
76.0 - 79.0	40	<0.1	29.6	26.6	73.0	11.0
79.0 - 81.0	37	<0.1	40.6	21.6	76.6	11.0
81.0 - 83.0	37	<0.1	37.0	16.4	91.8	6.0
83.0 - 84.0	67	<0.1	45.0	16.8	59.4	26.0
84.0 - 85.0	60	<0.1	45.6	12.0	38.6	20.0
85.0 - 86.0	93	<0.1	99.8	16.0	57.8	19.0
86.0 - 87.0	103	<0.1	44.2	18.6	36.2	28.0
87.0 - 89.0	130	<0.1	96.2	18.0	54.2	50.0
89.0 - 92.0	97	0.2	147.6	18.4	68.0	8.0
92.0 - 95.0	47	<0.1	61.6	21.8	60.8	8.0
95.0 - 98.3	113	<0.1	64.2	14.8	75.4	15.0
98.3 - 100.0	80	<0.1	31.6	14.8	49.0	<2.0
100.0 - 101.0	43	<0.1	45.0	17.8	55.2	<2.0
101.0 - 102.0	30	<0.1	22.8	13.4	43.6	<2.0
102.0 - 103.0	30	0.2	50.0	16.6	54.2	23.0
103.0 - 105.5	97	<0.1	157.4	14.4	81.0	26.0
105.5 - 109.5	93	0.2	117.6	23.0	101.2	34.0
109.5 - 113.0	73	0.2	102.0	22.0	72.0	49.0
113.0 - 114.7	57	<0.1	83.8	28.8	103.4	47.0
114.7 - 118.0	113	0.2	129.0	50.2	56.4	58.0
118.0 - 119.0	110	0.2	46.4	54.0	46.0	<2.0
119.0 - 120.0	77	0.4	52.6	101.8	30.8	28.0
120.0 - 121.0	70	0.6	39.0	137.8	27.0	43.0
121.0 - 122.0	93	0.4	51.2	78.0	44.8	29.0
122.0 - 123.0	40	<0.1	11.4	40.2	38.0	20.0
123.0 - 124.0	23	<0.1	24.6	41.4	52.6	18.0
124.0 - 125.0	30	<0.1	20.8	33.2	39.2	28.0
125.0 - 127.0	30	0.4	30.2	127.4	56.6	<2.0
127.0 - 129.0	63	0.2	88.8	70.2	53.8	<2.0
129.0 - 132.0	80	<0.1	71.8	43.2	53.4	23.0
132.0 - 135.0	53	<0.1	85.2	23.0	81.6	30.0
135.0 - 138.0	77	<0.1	107.0	25.4	83.6	34.0
138.0 - 141.0	90	<0.1	169.2	30.0	73.8	48.0
141.0 - 144.0	67	<0.1	94.4	33.4	56.0	23.0
144.0 - 147.0	57	<0.1	75.2	33.4	68.6	35.0
147.0 - 150.0	70	<0.1	126.4	65.6	92.0	44.0
150.0 - 151.0	60	<0.1	225.0	22.8	68.4	<2.0
151.0 - 152.0	50	<0.1	144.4	31.4	80.6	30.0
152.0 - 153.0	57	0.8	83.4	22.8	73.2	<2.0
153.0 - 154.0	43	<0.1	121.6	32.0	56.0	<2.0
154.0 - 155.0	53	0.4	102.2	50.0	77.6	<2.0
155.0 - 156.0	57	3.0	189.4	19.8	91.2	<2.0
156.0 - 157.0	53	0.6	63.4	41.2	47.2	<2.0
157.0 - 158.0	103	1.4	67.4	68.8	45.2	<2.0
158.0 - 161.0	50	0.2	135.8	87.2	40.4	<2.0
161.0 - 163.0	90	1.2	152.0	36.2	74.8	<2.0
163.0 - 165.0	127	<0.1	249.4	43.8	66.4	<2.0
165.0 - 168.0	70	<0.1	95.0	64.6	71.8	<2.0
168.0 - 171.0	90	0.6	94.6	22.8	75.0	<2.0
171.0 - 172.0	60	3.4	137.2	19.2	77.2	<2.0
172.0 - 175.0	77	0.2	132.8	26.0	68.0	<2.0
175.0 - 178.0	37	<0.1	76.0	34.6	98.4	2.0
178.0 - 181.0	23	0.4	100.8	15.0	148.0	<2.0
181.0 - 184.0	<10	<0.1	93.0	10.6	127.0	<2.0
184.0 - 186.0	17	1.0	39.2	11.6	115.8	<2.0
186.0 - 189.0	210	1.8	78.0	11.4	70.0	<2.0
189.0 - 192.0	70	<0.1	147.2	24.8	81.4	<2.0
192.0 - 195.0	70	<0.1	69.2	19.2	87.8	<2.0
195.0 - 198.0	60	<0.1	154.0	28.8	80.4	2.0
198.0 - 201.0	50	1.2	98.2	34.2	85.8	<2.0
201.0 - 204.0	50	0.2	104.8	16.2	94.6	<2.0
204.0 - 207.0	40	0.8	97.0	22.8	86.8	<2.0
207.0 - 210.0	70	<0.1	86.4	25.2	81.2	<2.0
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

Plate II–7 Geologic column of the MJTA–9

Longitude: 68d 28m 44s
Latitude: 48d 48m 58s
Coordination: 493309 E, 5407001N
Elevation: 506m

Final depth: 288m
Azimuth: –
Inclination: vertical