

Plate II-4 Geologic column of the MJTA-6

Longitude: 88d 26m 54s Final depth: 250m
 Latitude: 48d 49m 18s Azimuth: -
 Coordination: 459523 E, 5407572N Inclination: vertical
 Elevation: 494m

Scale (m)	Column	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)
		3.0	0.0-3.0m: brown colored surface soil, with a lot of pebbles of weathered rock (φ 3-10cm)	-	-	-	-	-								
		5.4	3.0-5.4m: reddish brown colored porphyritic rock, with hematite network, with minor veinlets of quartz, weakly silicified.	-	-	-	-	-		0.0-3.5	10	<0.10	88.0	6.3	31.5	<2.0
		8.0	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	-	-	-	-	-		3.5-6.0	10	0.4	40.0	5.5	11.5	<2.0
		9.4	8.0-9.4m: argillized & weakly silicified rock with dense network of hematite	-	-	-	-	-		6.0-9.0	10	0.1	44.0	7.0	10.5	<2.0
		10.5	9.4-10.5m: strongly silicified rock with dense network of hematite	-	-	-	-	-		9.0-12.0	20	0.6	52.5	7.7	16.5	<2.0
		11.8	10.5-11.8m: reddish brown to dark brown colored, hematite-rich rock, with dense network of hematite, with dissemination of hematite	-	-	-	-	-		12.0-15.0	20	0.2	30.0	17.8	23.0	<2.0
		19.6	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.)	-	-	-	-	-		15.0-16.0	20	0.9	44.5	21.5	33.0	<2.0
		20.5	19.6-20.5m: light gray to pale green colored, strongly silicified rock with quartz + pyrite + chlorite stringers (2-5cm interval), mafic minerals are replaced by chlorite, plagioclase is replaced by white clay or pale green colored mineral	-	-	-	-	-		16.0-17.0	50	0.2	49.5	10.4	22.0	7.0
		21.5	20.5-21.5m: pinkish light gray to pale green, porphyritic granite, with chlorite stringers & pyrite stringers, with weak dissemination of pyrite, with traces of quartz veinlets, crackly core (φ 2-5cm)	-	-	-	-	-		17.0-18.0	50	6.5	44.5	7.4	38.0	<2.0
		25.0	21.5-25.0m: light 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	-	-	-	-	-		18.0-19.0	40	0.3	36.5	6.4	26.0	<2.0
		39.1	25.0-39.1m: pinkish light gray to pale green, porphyritic granite, with chlorite stringers & pyrite stringers, with weak dissemination of pyrite, with traces of quartz veinlets, crackly core (φ 2-5cm)	-	-	-	-	-		19.0-20.0	60	0.5	33.5	6.6	25.0	2.0
		39.9	39.1-39.9m: light gray, slightly silicified porphyritic granite, with minor stringers of pyrite (interval 10cm±)	-	-	-	-	-	6-20-0 X	20.0-21.0	30	0.5	27.5	8.4	14.0	19.0
		39.9	39.9-45.3m: pinkish light gray colored granite, plagioclase changes to epidote & white clay, mafic minerals change to chlorite	-	-	-	-	-		21.0-24.0	20	0.1	37.0	6.9	34.0	<2.0
		45.3	45.3-46.3m: greenish gray, strongly argillized rock with a lot of quartz + chlorite + clay veinlets (∠90-70deg., 5mm interval)	-	-	-	-	-		24.0-27.0	10	0.4	28.5	9.4	43.5	<2.0
		46.3	46.3-47.6m: greenish gray, strongly argillized rock, strongly chloritized, epidotized, argillized rock, with pyrite dissemination, partly silicified	-	-	-	-	-		27.0-30.0	10	<0.10	22.0	3.7	70.0	<2.0
		47.6	47.6-51.9m: strongly argillized rock, strongly chloritized, epidotized, argillized rock, with pyrite dissemination, partly silicified	-	-	-	-	-	6-49-2 PTXI	30.0-32.7	43	<0.10	20.0	11.6	55.8	<2.0
		51.9	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	-	-	-	-	-		32.7-36.0	50	<0.10	24.0	16.2	60.6	<2.0
		57.7	57.7-58.0m: strongly silicified rock with veins of quartz + chlorite + pyrite (w=5cm, ∠80deg.) with pyrite stringers with pyrite dissemination	-	-	-	-	-		36.0-39.0	50	<0.10	24.0	9.6	55.8	<2.0
		61.3	58.0-61.3m: same to 51.9-57.7m	-	-	-	-	-		39.0-42.0	<10	<0.10	30.0	12.8	57.6	<2.0
		63.0	61.3-63.0m: greenish light gray, altered granite, plagioclase & K-feldspar are altered to white clay, mafic minerals are altered to chlorite & epidote	-	-	-	-	-		42.0-45.0	23	<0.10	30.0	11.0	58.4	<2.0
		75.6	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	-	-	-	-	-		45.0-48.0	23	0.8	36.0	152.6	229.8	<2.0
		76.9	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)	-	-	-	-	-		48.0-49.0	30	<0.10	78.0	191.6	81.2	<2.0
		77.7	82.5-83.4m: white, strongly argillized granite, with weak dissemination of pyrite	-	-	-	-	-		49.0-50.0	27	4.4	360.0	839.6	288.0	7.0
		78.6	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	-	-	-	-	-		50.0-51.0	17	1.2	59.5	79.4	99.2	<2.0
		80.1	91.55-92.5m: strongly argillized rock, greenish light gray colored, with pyrite dissemination, with a lot of chlorite stringers	-	-	-	-	-		51.0-52.0	23	0.8	46.0	108.6	98.6	<2.0
		81.0	92.5-95.3m: greenish pale gray, weakly silicified & chloritized rock, with a lot of pyrite stringers, with minor veinlets of quartz + pyrite	-	-	-	-	-		55.0-58.0	10	<0.10	24.0	11.4	60.4	<2.0
		82.5	95.3-97.1m: greenish gray, strongly silicified, chloritized & epidotized rock, with quart-pyrite veinlets, with pyrite dissemination	-	-	-	-	-		58.0-61.0	20	0.2	24.0	9.6	57.8	<2.0
		83.4	97.1-102.9m: pink colored granite, with stringers of pyrite + chlorite (10cm interval), with weak dissemination of pyrite	-	-	-	-	-		61.0-62.0	20	0.4	18.0	15.6	60.2	<2.0
		85.0	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	-	-	-	-	-	6-96-7 PTX	62.0-63.0	17	0.2	38.0	15.2	63.4	<2.0
		85.4	105.0-109.9m: slightly silicified & argillized granite, mafic minerals are altered to chlorite, with chlorite + pyrite veinlets (interval 2-5cm)	-	-	-	-	-		63.0-67.0	<10	<0.10	4.0	7.6	125.4	<2.0
		102.9	109.9-112.0m: strongly chloritized, strongly epidotized, weakly argillized, weakly silicified rock, with dense dissemination of pyrite, with network of pyrite	-	-	-	-	-		67.0-71.0	10	<0.10	32.0	8.4	111.2	<2.0
		105.0	112.0-112.5m: strongly silicified rock with quartz veins (∠75deg., w=15cm)	-	-	-	-	-		71.0-74.0	13	<0.10	18.0	7.2	76.2	<2.0
		109.9	112.5-118.4m: strongly chloritized, strongly epidotized, slightly argillized, weakly silicified rock, with dense network of pyrite + chlorite	-	-	-	-	-		74.0-77.0	23	1.8	168.0	18.0	73.2	<2.0
		112.0	118.4-119.1m: light gray, strongly silicified rock with dense dissemination of pyrite	-	-	-	-	-		77.0-80.0	27	3.8	62.0	14.8	81.0	<2.0
		118.4	119.1-121.3m: greenish gray, strongly chloritized and epidotized rock, with minor veinlets of quartz, with pyrite stringers	-	-	-	-	-		80.0-83.0	33	1.6	50.0	10.0	74.2	2.0
		121.3	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)	-	-	-	-	-		83.0-86.0	<10	1.0	32.0	8.8	87.6	<2.0
		124.4	124.4-125.9m: pink colored granite, mafic minerals are replaced by epidote and chlorite, with stringers of chlorite, with stringers of chlorite + pyrite (3-5cm interval)	-	-	-	-	-		86.0-89.0	<10	4.2	40.0	24.2	94.2	<2.0
		125.9	125.9-127.2m: pink colored granite, mafic minerals are replaced by epidote and chlorite, with stringers of chlorite, with stringers of chlorite + pyrite (3-5cm interval)	-	-	-	-	-		89.0-92.0	17	0.4	34.0	20.8	86.4	<2.0
		127.2	127.2-128.1m: light gray, strongly silicified rock with dense dissemination of pyrite	-	-	-	-	-		92.0-95.0	20	2.2	18.0	22.8	81.0	<2.0
		128.1	128.1-128.6m: strongly silicified rock, with strong dissemination of pyrite, with veinlets & stringers of pyrite + quartz (∠75deg., ∠90deg.)	-	-	-	-	-		95.0-96.0	40	0.8	60.0	85.0	75.2	<2.0
		135.6	128.6-135.6m: pink colored granite, mafic minerals are replaced by chlorite, plagioclase changes to epidote + white clay	-	-	-	-	-		96.0-97.0	47	1.4	54.0	80.4	72.0	<2.0
		139.4	135.6-139.4m: pink 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	-	-	-	-	-		97.0-100.0	20	0.6	34.0	38.6	65.4	<2.0
		148.4	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	-	-	-	-	-	6-145-0 I	100.0-103.0	30	5.6	32.0	48.6	89.4	<2.0
		148.4	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	-	-	-	-	-		103.0-106.0	33	1.0	72.0	33.6	71.4	<2.0
		152.2	152.2-154.2m: 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	-	-	-	-	-	6-151.0 PT	106.0-109.0	23	0.6	36.0	39.2	63.4	<2.0
		154.2	154.2-157.6m: 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)	-	-	-	-	-		109.0-112.0	43	0.8	40.0	18.4	60.2	<2.0
		157.6	157.6-159.3m: chloritized, epidotized & slightly silicified rock, with minor quartz veinlets, with pyrite dissemination, total amount of pyrite is 2%±	-	-	-	-	-	6-153.0 PT	112.0-113.0	33	30.4	24.0	20.2	45.2	<2.0
		160.3	159.3-160.3m: light gray, strongly silicified rock with pyrite stringers (1cm interval)	-	-	-	-	-		113.0-116.0	37	0.6	34.0	12.4	77.2	<2.0
		166.0	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	-	-	-	-	-		116.0-119.0	37	18.4	166.0	33.6	44.8	<2.0
		171.0	166.0-171.0m: chloritized & epidotized granite, with chlorite + pyrite stringers (5-10cm interval), with weak pyrite dissemination (0.5%)	-	-	-	-	-		119.0-121.0	37	1.6	48.0	221.0	65.2	<2.0
		171.0	171.0-172.5m: quarts + chlorite + pyrite vein, ∠55deg., w=0.5-3cm	-	-	-	-	-		121.0-123.0	23	1.6	20.0	14.0	56.2	<2.0
		172.5	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%±	-	-	-	-	-		123.0-124.0	67	4.6	152.0	818.0	66.8	<2.0
		185.7	185.7-186.2m: strongly silicified strongly epidotized, chloritized rock with strong pyrite dissemination, original rock texture is destroyed, total amount of sulfide = 3%	-	-	-	-	-		124.0-127.0	37	2.8	66.0	15.6	48.0	<2.0
		185.7	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)	-	-	-	-	-	6-151.0 PT	127.0-130.0	47	1.2	120.0	24.8	57.2	<2.0
		185.7	187.1-187.5m: strongly silicified rock with quartz + pyrite vein (w=5cm, ∠75deg.)	-	-	-	-	-		130.0-133.0	23	1.6	152.0	36.4	71.0	<2.0
		185.7	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	-	-	-	-	-	6-153.0 PT	133.0-136.0	23	3.2	120.0	37.0	74.0	<2.0
		190.0	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	-	-	-	-	-		136.0-139.0	40	0.8	56.0	20.8	63.4	<2.0
		194.2	194.2-194.5m: fine grained porphyritic granite, dyke?, ∠70deg.	-	-	-	-	-		139.0-142.0	67	0.2	80.0	17.4	39.0	<2.0
		201.0	201.0-202.5m: quartz + pyrite vein, ∠60deg., w=1cm	-	-	-	-	-	6-151.0 PT	142.0-143.0	50	<0.10	112.0	18.0	41.2	<2.0
		201.0	202.5-210.5m: white, granodiorite?, with strong dissemination of pyrite, total amount of pyrite = 5%±, no chloritization, no epidotization	-	-	-	-	-		143.0-144.0	43	0.6	72.0	12.8	42.8	<2.0
		202.5	210.5-210.7m: light gray, strongly silicified rock with strong dissemination of pyrite, with silicification band (∠70deg.,)	-	-	-	-	-	6-153.0 PT	144.0-145.0	147	2.0	66.0	130.2	35.8	<2.0
		202.5	210.7-219.0m: pink colored, weakly argillized, weakly epidotized, weakly chloritized, weakly silicified rock, with chlorite + pyrite stringers (5-10cm interval), with traces of quartz + pyrite veinlets (216.4m: w=1.5cm, ∠60deg., 219m: w=0.7cm, ∠65deg.)	-	-	-	-	-		145.0-146.0	93	0.1	95.0	12.0	40.0	<2.0
		219.0	219.0-222.7m: pale gray													