Appendix 10

Drilling Columnar Sections

DEPTH (m)	COLUMN	ROCK NAME	DESCRIPTION	MINER.	ALTER.	SAMPLE No.	SAMPLE FROM (m)	SAMPLE TO (m)	SAMPLE WIDTH (cm)	CHEMICAL ANALYSIS Au (ppm)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ba (%)	S (%)
			0-1.0m soil													
		Basalt(Cbs)	1.0m- dark olive gray compact Basalt. partly amygdal. Pl phenocryst porphyritic (Py) dissemination. Cal. Network													
5																
10			Cal veinlets develop.	Py												
15			Cal veinlets develop.			OA-1	15.00	15.30	0.30	<0.001	0.90	<0.001	<0.001	0.004	0.005	2.560
						PA-1	17.0									
20																
25																
			Cal veinlets develop. slightly sheared													
30																
			31.0m dark gray clay (W:5cm)													
35																
40																
			41.0m- porphyritic, partly bleacing. green in colour			PA-2	44.0									
45			(Py) dissemination. Cal net.			OA-2	44.50	45.00	0.50	<0.001	0.25	0.005	<0.001	0.004	0.006	3.700
50				Py												
55																
60																
65				Py												
						TA-1	68.4									
70			Cal vein ∠30° W:1cm drusy bleaching. green in colour.													
75				Py												
80			bleaching. green in colour.													
			bleaching (~87.0m)													
85																
		Dolerite(Dol)	87.0-88.0m:dark green Dolerite.			TA-2	87.7									
90		Basalt(Cbs)	Cal net develop. partly bleaching pale green in colour													
95																
100																

Appendix 10 Drilling Columnar Section of MJTH-1 (1)

MJTH-1 (2)　　100m-200m

DEPTH (m)	COLUMN	ROCK NAME	DESCRIPTION	MINER.	ALTER.	SAMPLE No.	SAMPLE FROM (m)	SAMPLE TO (m)	SAMPLE WIDTH (cm)	CHEMICAL ANALYSIS Au (ppm)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ba (%)	S (%)
		Basalt(Cbs)	dark olive green Basalt. Cal network develop													
105			Cal network develop													
110			110.0m- argil. sheared. Purple Dacite fragment contain			OA-3	111.20	111.40	0.20	0.007	0.25	0.017	0.001	0.008	0.064	3.840
		Dacite(Adcp)	112.2m- reddish brown (p)~(m) argil Dacite. sheared. Pl spoty.		PA-3	OA-4	113.50	114.00	0.50	0.001	0.15	0.001	<0.001	0.004	0.010	2.460
						OA-5	114.00	114.50	0.50	0.001	0.05	<0.001	<0.001	0.002	0.016	3.400
115			113.0-114.5m dark gray (m) argil. fine Py dissemination			OA-6	114.50	115.00	0.50	0.001	0.05	<0.001	<0.001	0.009	0.010	1.180
			purple/green colour mixture	Py	argil											
120																
			121-122m purple in colour													
125			125m- sheared.													
130					argil											
135																
140			141.0m Cal vein W:5cm ∠15°													
			142.2m- dark gray porphyritic													
		Dolerite(Dol)	Dolerite. Pl.													
145																
150																
155			155.9m- dark olive gray (m)argil Dolerite. Cal network develop. sheard													
160		Dacite(Adcp)	158.5m- dark olive dreen (m)argil		argil											
165		Dolerite(Dol)	163.5m- dark green Dolerite. coarse. Pl porphyritic. partly Cal vein.													
170				Py		PA-4	169.0									
						TA-3	173.0									
175			176.6m- dark purple gray Dacite. Pl spoty.			TA-4	177.0									
		Dacite(Adcp)														
		Dolerite(Dol)	178.4m- dark olive gray Dolerite. coarse													
180		Dacite(Adcp)	179.4m- dark purple gray (m) argil Dacite. Sheared		argil	W,XA-1	180.0									
		Dolerite(Dol)	181.4m- greenish gray Dolerite. fine. Sheared Cal vein													
185		Dacite(Adcp)	184.6m- purple gray Dacite. Pl spoty. boundary irregular. flow structure ∠20° ((Py)) dissemination partly dark purple colour	Py	argil											
190																
195						PA-5	193.6									
		Dolerite(Dol)				W,XA-2	194.0									
		Dacite(Adcp)	195.4-196.1m dark green conpact Dolerite.		argil	TA-5	195.0									
200			(p)~(m) argil.													

Appendix 10 Drilling Columnar Section of MJTH-1 (2)

MJTH-1 (3)

200m-300m

DEPTH (m)	ROCK NAME	DESCRIPTION	MINER.	ALTER.	SAMPLE No.	SAMPLE FROM (m)	SAMPLE TO (m)	SAMPLE WIDTH (cm)	CHEMICAL ANALYSIS Au (ppm)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ba (%)	S (%)
	Dacite(Adcp)														
	Dolerite(Dol)	202.3m- dark green compact Dolerite													
205		204.4m- light olive gray~gray (p)													
	Dacite(Adcp)	205.5m white clay. W:5cm	Py	argil											
		((Py)) dissemination													
210					TA-6、W,XA-3	210.0									
				argil											
215															
		217.3-218.3m (m)~(f)argil.													
	Dolerite(Dol)	218.5m- dark green compact Dolerite													
220		221.6-223.5m sheared		argil											
225					TA-7	226.6									
		227.8m- gray~light purple gray (p)~(m)argil. Dacite.													
	Dacite(Adcp)	229.5m- dark green Dolerite	Py	argil	W,XA-4	228.0									
230	Dolerite (Dol)				PA-6	229.9									
		230.1m- light purple gray Dacite.													
	Dacite(Adcp)														
		233m argil. bleaching		argil											
235															
		235.0m- purple gray Tuff breccia	Py		TA-8	236.8									
	Tuff berccia (Atf)	ditto Dacite fragment			W,XA-5	237.0									
		flow ∠70°			OA-7	238.50	239.00	0.50	0.023	0.15	0.001	<0.001	0.001	0.007	2.180
240		239.8m- dark olive gray Dolerite.													
	Dolerite(Dol)	bleaching. Cal veinlets													
		Qtz vein ∠30° W:1cm													
		244.6m- purple gray~gray (p)~			W,XA-6	244.5									
245	Dacite(Adcp)	(m) argil. Dacite. Pl spoty.			PA-7	245.5									
				argil	PA-8	246.3									
		247.9m Qtz vein ∠30° W:1cm													
250															
		253.7m- gray compact Dolerite													
	Dolerite(Dol)														
255		254.7m- light purple (p)argil.													
	Dacite(Adcp)	Dacite. ((Py))	Py	argil	W,XA-7	256.0									
		258.1m- dark green compact													
260	Dolerite(Dol)	Dolerite. Gyp in crack													
		260-261m coarse grain			TA-9	260.3									
265		264.9m- light gray~ gray													
	Dacite(Adlv)	Dacite.		argil	W,XA-8	265.0									
		bleaching. soapy. Qtz(1mmφ),													
		268.4m- dark green compact													
270	Dolerite(Dol)	Dolerite. Cal network.													
		273.3m sheared													
275															
		277.0-277.6m light green. bleaching		argi	PA-9	277.4									
		278.1m - light gray (p)~(m)			TA-10	278.0									
280	Dacite(Adlv)	argil.	Py	argil	PA-10	279.6									
		Dacite. Qtz(1mmφ), Pl spoty.			OA-8、W,XA-9	280.00	280.50	0.50	0.001	<0.01	0.001	<0.001	0.002	0.021	0.427
		(Py) dissemination.			OA-9	282.10	282.60	0.50	<0.001	0.05	0.006	<0.001	0.001	0.007	0.408
285					OA-10	282.60	283.10	0.50	<0.001	0.05	0.005	0.001	0.002	0.029	0.376
		288.30m- dark reddish brown													
290	Dacite(Adcp)	argil. Dacite. vicinity of		argil											
		boundary green Dacite			W,XA-10	290.0									
		fragments. banded ∠40°													
295		shared													
		296.0m- dark green compact													
	Dolerite(Dol)	Dolerite. Qtz veinlets													
300		development													

Appendix 10 Drilling Columnar Section of MJTH-1 (3)

MJTH-1 (4)

300m-400m

DEPTH (m)	COLUMN	ROCK NAME	DESCRIPTION	MINER.	ALTER.	SAMPLE No.	SAMPLE FROM (m)	SAMPLE TO (m)	SAMPLE WIDTH (cm)	CHEMICAL ANALYSIS Au (ppm)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ba (%)	S (%)
305		Dolerite(Dol)	dark green compact Dolerite													
			307.2m- Qtz network development													
			308.5m- milky Qtz vein ∠30° W:2cm													
310			310.0m- milky Qtz vein ∠45° W:3cm													
	L		312.0m- purple gray (m)argil.		argil											
	L	Dacite(Adcp)	Dacite. Pl spoty													
315			314.15m End													
320																
325																
330																
335																
340																
345																
350																
355																
360																
365																
370																
375																
380																
385																
390																
395																
400																

Appendix 10 Drilling Columnar Section of MJTH-1 (4)

MJTH-2 (1)

0m-100m

DEPTH (m)	COLUMN	ROCK NAME	DESCRIPTION	MINER.	ALTER.	SAMPLE No.	SAMPLE FROM (m)	SAMPLE TO (m)	SAMPLE WIDTH (cm)	CHEMICAL ANALYSIS Au (ppm)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ba (%)	S (%)
			0-2.4m soil													
		Basalt(Cbs)	2.4m- dark green amygdal Basalt pore is filled by calcite													
5			4.2m Epidote vein ∠40°													
			5.0-5.6m cal vein develop													
10			10.1m cal vein develop.													
			12.8-13.8m comp. Doleritic.													
15																
			17.0-19.8m comp. Doleritic.													
20			20.3m cal network													
			20.6-21.3m Doleritic													
25			24.2m cal vein w:3cm ∠45°													
			28.3-28.5m Doleritic													
30			31.0-31.3m cal network													
			33.8-35.8m comp Doleritic													
35																
		Mudsotne(Cms	36.4m- reddish brown Mudstone partly thin olive gray fine Tuff layer. ∠0° ~ ∠5°													
40		Basalt(Cbs)	39.6m- dark green amygdal Basalt Mud ball contain.													
45																
50																
						TB-1	52.8									
55																
			56.5m- dark green Doleritic Basalt. partly amygdal.													
60																
		Dacite(Dp)	61.6m- dark olive gray compact porphyritic Dacite Qtz,Pl phenocryst. Qtz rich													
65																
						TB-2	66.8									
70		Basalt(Cbs)	70.0-70.5m Doleritic Basalt													
		Mudstone(Cms)	70.5-71.7m reddish brown Mudstone													
		Basalt(Cbs)														
75																
80																
		Dacite(Dp)	82.8m- dark olive green Dacite~Acidic Tuff breccia Qtz, Pl phenocryst. Qtz rich 2~3mmφ fragment (0.5~3cmφ) & matrix same													
85																
90																
		Lappili Tuff	93.0m- dark green Basic Lappili Tuff Basalt,Mudstone fragment, rounded													
95		Basalt(Cbs)	94.5m- greenish gray Basalt.													
100																

Appendix 10 Drilling Columnar Section of MJTH-2 (1)

MJTH-2 (2)　　100m-200m

DEPTH (m)	COLUMN	ROCK NAME	DESCRIPTION	MINER.	ALTER.	SAMPLE No.	SAMPLE FROM (m)	SAMPLE TO (m)	SAMPLE WIDTH (cm)	CHEMICAL ANALYSIS Au (ppm)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ba (%)	S (%)
105		Basalt(Cbs)	olive ochre fine Tuff fragment Cal veinlets～network.													
		Mudstone(Cms)	106.1m- reddish brown Mudstone													
110		Basalt(Cbs)	107.0m- Doleritic Basalt. amygdal. partly Mudstone fragment contain													
115																
120			119.8m- reddish brown Mudstone													
		Mudstone (Cms)	122.0m- green～dark green layered Tuff. elogated green patch													
		Basalt(Cbs)														
125		Mudstone (Cms)	122.5m- Doleritic Basalt 123.7m- reddish brown Mudstone													
		Basalt(Cbs)	128.6m- deep olive green Doleitoc Basalt～Dolerite													
130		Mudstone (Cms)	130.0m- reddish brown Mudstone ∠15°													
135			partly sandy. grading													
140			138.8-139.0m olive gray fine Tuff ∠30°													
		Tuff (Ctf)	143.0m- deep green acidic layered Tuff. elongated green patch													
		Mudstone(Cms)	144.0m reddish brown Mudstone													
145		Tuff (Ctf)	145.6m olive gray fine Tuff. rich in green patch. upper part: sandy													
			146.2m- reddish brown Mudstone. green patch fragment													
150		Mudstone (Cms)	148.0m- reddish brown Mudstone.			TB-3	151.3									
155			gradually bruish green Sandstone													
		Tuff breccia (Cbtf)	157.7m- deep green Basaltic Tuff breccia. fragments: Mudstone, Basalt.<1cmφ.													
160																
165		Basalt(Cbs)	163.7m- deep green～black porphyritic Basalt. amyg. Pl phenocryst Cal net.													
170			Mud ball rich(irregular～net)													
175			Mud ball decrease	Py		PB-1	176.0									
180																
185																
190			189.0m- Doreitic. Mud ball decrease. pore filled with Cal.													
195																
200																

Appendix 10 Drilling Columnar Section of MJTH-2 (2)

MJTH-2 (3)　　200m-300m

DEPTH (m)	COLUMN	ROCK NAME	DESCRIPTION	MINER.	ALTER.	SAMPLE No.	SAMPLE FROM (m)	SAMPLE TO (m)	SAMPLE WIDTH (cm)	CHEMICAL ANALYSIS Au (ppm)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ba (%)	S (%)
205		Basalt(Cbs)	black~deep green Basalt. Dolerite?													
210		Mudstone(Cmd)	211.4m- pale olive gray Mudstone													
215		Tuff breccia (Cbtf)	211.7m- reddish brown~deep green Basaltic Tuff breccia. Basalt,Mudstone,(Dacite) fragment													
220			221.0-224.0m rich in Mudstone fragment			TB-4	221.0									
225			223.6m Qtz vein(W:1cm ∠10°)													
230																
235																
240			237.6m- rich in Mudstone													
245		Dacite(Dpf)	238.5m- deep brownish green glassy Dacite.porphyritic. phenocryst: (Qtz),Pl 243-246m Hematite net. 246.0m- gray porphyritic Dacite phenocryst: Qtz(1mmφ),Pl													
250																
255						TB-5	254.5									
260																
265																
270																
275																
280			278.0m- Hematite network													
285		Tuff (Adlh)	280.0m- olive green acidic Tuff ((Qtz)), Pl phenocryst. weakly argil (soapy) Mudstone fragment brecciated gradually dark green in colour			TB-6	287.4									
290																
295																
300																

Appendix 10 Drilling Columnar Section of MJTH-2 (3)

MJTH-2 (4)

300m-400m

DEPTH (m)	COLUMN	ROCK NAME	DESCRIPTION	MINER.	ALTER.	SAMPLE No.	FROM (m)	TO (m)	WIDTH (cm)	CHEMICAL ANALYSIS Au (ppm)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ba (%)	S (%)
		Tuff (Adlh)	dark green acidic Tuff Pl spoty. ((Qtz)) Dacite fragment													
305																
310																
			312-318m dark green irregular patch			TB-7	313.8									
315						W,XB-1	315.0									
320			reddish brown in colour, Tuffaceous. Hematite network													
		Tuff breccia (Adlf)	322m- bluish green in colour. silicification start. gradually Qtz phenocryst distinct.													
325			reddish brown Dacite fragment inclease			W,XB-2	325.0									
					Si											
330			((Cp)) dissemination	((Cp))		W,XB-3	330.0									
				((Py))	PB-2	OB-1	333.30	333.50	0.20	0.009	1.00	0.001	0.006	0.003	0.011	1.100
335					PB-3	OB-2	334.00	334.10	0.10	0.002	0.35	0.040	0.002	0.002	0.004	0.048
			336.8m- dark green Dolerite	((Cp))		TB-8	334.2									
		Dolerite (Dol)				W,XB-4	335.0									
			338.2m- green acidic Tuff ~													
340		Tuff breccia (Adlf)	Dacite	((Cp))	PB-4、W,XB-5		340.0									
					PB-5	OB-3	342.20	342.40	0.20	0.034	3.35	0.021	0.017	0.017	0.018	3.200
			((Cp)) dissemination	((Cp))												
345					Si											
						W,XB-6	345.0									
			347.1m- dark gray Dolerite													
		Dolerite (Dol)	348.3m- (f) Si. Tuff breccia~													
350		Tuff breccia (Adlf)	Dacite Hematite net		Si	OB-4	349.30	349.50	0.20	0.007	1.00	0.020	0.004	0.069	0.025	0.793
					PB-6、W,XB-7		350.0									
					PB-7	OB-5	352.30	352.50	0.20	0.046	8.20	0.008	0.006	0.017	0.040	1.370
			352.5m ((Sph,Py)) dissemination	((Sph,Py))												
355					PB-8、W,XB-8		355.0									
					PB-9	OB-6	355.50	356.00	0.50	<0.001	0.05	0.001	0.001	0.007	0.058	0.460
						PB-10	357.0									
			358.2m- dark green~dark gray			TB-9	357.2									
360		Dolerite (Dol)	compact Dolerite													
						TB-10	361.0									
365																
370																
			371.3m- dark gray (f) Si. Tuff													
		Tuff breccia (Adlf)	breccia		Si	OB-7	372.00	372.20	0.20	0.005	0.05	<0.001	0.001	0.007	0.051	0.137
						W,XB-9	373.0									
375		Dolerite (Dol)	374.8m- dark gray Dolerite													
		Tuff breccia (Adlf)	375.9m- (f) Si. Tuff breccia		Si											
			378.9m- dark gray Dolerite													
380		Dolerite (Dol)														
		Tuff	380.5m- (f) Si. Tuff breccia		Si	OB-8	381.00	381.50	0.50	0.003	0.05	0.001	0.001	0.003	0.014	0.019
			381.8m- Black fine compact													
		Dolerite (Dol)	Dolerite. partly Dacite fragment													
385																
			389.3m- (f) Si. Tuff breccia													
390		Dolerite (Dol)	390.4m- Black compact Dolerite		Si											
		Dolerite (Dol)														
395																
			396.2m- (f)Si. Tuff breccia													
		Tuff breccia (Adlf)			OB-9、W,XB-10		397.00	397.50	0.50	0.001	0.05	0.001	0.001	0.006	0.048	0.443
400						OB-10	398.00	398.50	0.50	0.002	0.05	0.001	0.001	0.003	0.015	0.011
			399.9m- Black compact Dolerite.		Si											

Appendix 10 Drilling Columnar Section of MJTH-2 (4)

MJTH-2 (5)

400m-500m

DEPTH (m)	COLUMN	ROCK NAME	DESCRIPTION	MINER.	ALTER.	SAMPLE No.	SAMPLE FROM (m)	SAMPLE TO (m)	SAMPLE WIDTH (cm)	CHEMICAL ANALYSIS Au (ppm)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ba (%)	S (%)
		Dolerite / Tuff	400.8m- (f)Si. Tuff Breccia 401.00m End													
405																
410																
415																
420																
425																
430																
435																
440																
445																
450																
455																
460																
465																
470																
475																
480																
485																
490																
495																
500																

Appendix 10 Drilling Columnar Section of MJTH-2 (5)

MJTH-3 (1)

0m-100m

DEPTH (m)	COLUMN	ROCK NAME	DESCRIPTION	MINER.	ALTER.	SAMPLE No.	SAMPLE FROM (m)	SAMPLE TO (m)	SAMPLE WIDTH (cm)	CHEMICAL ANALYSIS Au (ppm)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ba (%)	S (%)
		Talus	0m- Talus													
15		Basalt(Cbs)	16.0m- dark brown porphyritic Basalt ~Basaltic Tuff breccia Pl phenocryst 3mm ϕ													
20			21.5m Clay zone W:5-10cm													
25		Tuff breccia (Cbtf)	dark green Basaltic Lap.Tuff ~Tuff breccia bedding $\angle 10°$													
30		Sandstone (Cbtf)	30.6m- dark olive gray basic sandstone. partly reddish brown Mudstone layer (W:1cm) $\angle 80$ bedding			TC-1	31.8									
35		Basalt(Cbs)	33.5m- dark green Basalt. compact. Pl. irregular Mudstone at boundary 36.8m- Mud fragment in crack													
50						TC-2	49.6									
55		Mudstone(Cms)	53.4m- reddish brown Mudstone. fine Tuff contain. crashed													
		Tuff (Cbtf)	55.0m- dark olive green basic fine Tuff. Mudstone fragment. 58.45-58.60m sheared													
60		Basalt(Cbs)	58.6m- dark olive gray Basalt. compact. Mudstone in Crack 60.2m- dark greenish gray Doleritic. partly Hematite net pore filled with Calcite													
70			crashed Hematite net													
80																
8		Mudstone(Cms)	83.5m- reddish brown Mudstone													
		Basalt(Cbs)	85.7m- dark greenish gray Doleritic Basalt. Hematite net 89.1-90.0m amorphous silica penetrate 92.8-93.3m red Mn oxide net													
95			Qtz block~irregular vein													
100																

Appendix 10 Drilling Columnar Section of MJTH-3 (1)

MJTH-3 (2)

100m-200m

DEPTH (m)	COLUMN	ROCK NAME	DESCRIPTION	MINER.	ALTER.	SAMPLE No.	SAMPLE FROM (m)	SAMPLE TO (m)	SAMPLE WIDTH (cm)	CHEMICAL ANALYSIS Au (ppm)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ba (%)	S (%)
105		Basalt(Cbs)	dark green Doleritic Basalt. Milky Qtz vein(W:~5mm)													
			106.4-107.0m becciated. partly Mudstone fragment													
110																
115																
120			119.8m olive gray clay (W:5cm) 120.9-122.0m Epidote. brecciated partly Mudstone fragment													
125			125.5m- Doleritic Cal. Veinlet 128.1-128.2m gray Cherty fragment													
130			130.1-131.5m rich in Cal vein. 131.5m- dark green Doleritic Basalt													
135			brecciated. Cal. veinlet develop.													
140			138.5-139.0m crashed 141.1-141.3m sheared argil.													
		Tuff (Cbtf)	141.3m- dark greenish gray fine basic Tuff. irregular segrigated Calcite			TC-3	143.0									
145		Basalt(Cbs)	144.1m- dark green porphyritic Basalt. Doleritic													
150		Tuff (Cbtf)	148.0m- dark greenish gray weakly argil. Fine Tuff (basic) irregular segrigated Calcite. ((Py)) diss.	Py												
155		Mudstone(Cmd)	153.8m- black cherty Mudstone													
		Tuff (Cbtf)	155.8m- gray basic fine Tuff. partly black cherty Mudstone contain. ((Py)) diss.	Py												
160																
		Mudstone(Cmd	162.0m- black Mudstone			TC-4	161.3									
		Tuff (Cbtf)	163.6m- greenish gray sandy Tuff (basic)													
165		Mudstone(Cmd)	165.9m- black cherty Mudstone													
170		Tuff (Cbtf)	168.0m- gray fine Sandstone~ Tuff													
		Basalt(Cbs)	172m- dark green Doleritic Basalt. partly amyg. pore filled with Cal.													
175																
180																
185																
190																
195		Tuff (Cbtf)	193.9m- dark green Basic Tuff. partly coarse grain. ∠15° 197.6m Cal vein W:2cm ∠70°													
200		Tuff (Cbtf)	197.7m- gray coarse Tuff ~ Sandstone. partly Silty~Muddy.													

Appendix 10 Drilling Columnar Section of MJTH-3 (2)

MJTH-3 (3)　　200m-300m

DEPTH (m)	COLUMN	ROCK NAME	DESCRIPTION	MINER.	ALTER.	SAMPLE No.	FROM (m)	TO (m)	WIDTH (cm)	CHEMICAL ANALYSIS Au (ppm)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ba (%)	S (%)
		Tuff (Cbtf)														
205		Mudstone (Cmd)	204.4m- dark greenish gray fine Tuff~Siltstone. ∠20°													
210			211.0m- ditto coarse Tuff ~Sandstone.			TC-5	212.5									
		Tuff (Cbtf)														
215		Mudstone (Cmd)	215.1m- ditto fine Tuff~ Siltstone													
220		Basalt(Cbs)	217.7m- dark green Basalt porphritic. pl. Cal veinlets			TC-6	222.2									
225		Mudstone (Cmd)	224.0m- dark green fine Tuff~ Siltstone													
		Tuff (Cbtf)	226.0m- ditto coarse Tuff~ Sandstone													
230			230.0-230.8m ditto fine Tuff. partly Silty ∠10~15°													
235			234.4-235.0m black Mudstone													
240		Mudstone (Cmd)	241.0m- deep olive~ deep gray fine Tuff~ Siltstone ∠10°													
245		Tuff (Attf)	247.2m- green~ olive green (m) Silicified Tuff. Pl(2~3mmφ) spoty. partly dark green fragment		Si											
250		Tuff (Attf)	250.0m- green layered Tuff. dark green elongated soapy patch.													
255						TC-7	254.3									
			257.1m reddish brown Mudstone (W: 2cm) ∠20°			W,XC-1	258.0									
260		Dacite (Adcl)	260.2m- deep gray (m)~(f) Silicified Dacite. Brecciated. ((Py))	Py		W,XC-2	262.0									
		Dacite (Adcl)	262.3m- olive gray aphyritic weakly Silicified Dacite. Pl. spoty.		Si	TC-8	264.0									
265		Dacite (Adcl)	264.6m- ditto brecciated Dacite.			PC-1	266.6									
						W,XC-3	267.0									
						PC-2	269.5									
270						OC-1	270.50	271.00	0.50	0.001	0.35	0.012	0.002	0.014	0.056	0.177
			271.3m- gray (p) argil. Tuff-breccia		argil	OC-2	271.30	271.80	0.50	0.015	0.90	0.002	0.004	0.014	0.022	0.885
		Tuff breccia (Atf)	~Dacite. rich in Qtz, Pl. Py dissemination			OC-3、W,X-	271.80	272.30	0.50	0.006	1.45	0.002	0.006	0.003	0.011	1.610
						PC-3 OC-4	272.30	273.00	0.70	〃	1.10	0.002	0.004	0.004	0.011	1.240
275		Dacite (Adcl)	273.0m- blueish gray (f) Silicified Dacite. Brecciated. white spot. (Py), ((Cp, Sph)) dissemination			OC-5	274.00	274.50	0.50	0.004	1.20	0.011	0.007	0.023	0.041	0.609
						OC-6	274.50	275.00	0.50	0.005	2.75	0.014	0.014	0.023	0.059	1.700
				((Cp))		W,XC-5	277.0									
280		Dacite (Adcl)	280m- olive gray aphyritic weakly Silicified Dacite. Pl. spoty.		Si	W,XC-6	282.0									
			282.0m- ditto brecciated Dacite~			PC-4	283.1									
		Dacite (Adcl) ~ Tuff breccia (Atf)	Tuff Breccia. fragment: gray aphyritic (f) Silicified Dacite.			OC-7	283.50	284.00	0.50	0.002	0.35	0.004	0.001	0.026	0.024	0.489
285						OC-8	284.00	284.50	0.50	<0.001	0.15	0.004	0.001	0.016	0.028	0.318
			(Py),((Cp,Sph)) dissemination	((Cp,Sph		PC-5	285.2									
						PC-6、W,X-7	286.3									
						PC-7 OC-9	287.50	288.00	0.50	0.001	0.25	0.006	0.002	0.017	0.062	0.717
290						PC-8	288.4									
						TC-9 PC-9	290.5									
						W,XC-8	292.0									
						OC-10	293.00	293.50	0.50	0.046	2.30	0.005	0.007	0.005	0.034	1.330
295						PC-10	295.2									
						W,XC-9	297.0									
300			299.4-299.8m m(Si) Sandy Tuff													

Appendix 10 Drilling Columnar Section of MJTH-3 (3)

MJTH-3 (4)

200m-300m

DEPTH (m)	COLUMN	ROCK NAME	DESCRIPTION	MINER.	ALTER.	SAMPLE No.	SAMPLE FROM (m)	SAMPLE TO (m)	SAMPLE WIDTH (cm)	CHEMICAL ANALYSIS Au (ppm)	Ag (ppm)	Cu (%)	Pb (%)	Zn (%)	Ba (%)	S (%)
305		Tuff (Ats)	300.2m- gray (f) Si acidic sandy Tuff. Py rare. ∠45°		Si	W,XC-TC-10	302.0 303.5									
			308.40m End													
310																
315																
320																
325																
330																
335																
340																
345																
350																
355																
360																
365																
370																
375																
380																
385																
390																
395																
400																

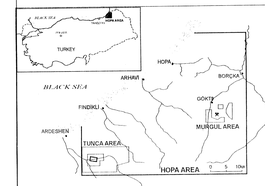
Appendix 10 Drilling Columnar Section of MJTH-3 (4)

PL I-1

REPORT ON THE MINERAL EXPLORATION IN THE HOPA AREA,

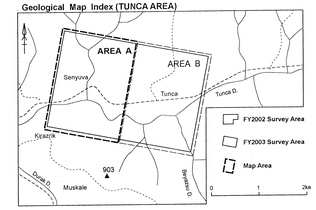
PHASE II

GEOLOGICAL MAP (AREA A) (SCALE 1: 2,500)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
JANUARY 2004

Geological Map Index (TUNCA AREA)



Legend

Hamidiya Formation
- Hm: Sediment

Sivrikaya Formation
- Smd: Mudstone

Caglayan Formation
- Cmd: Mudstone
- Cbtf: Basic Tuff
- Cbs: Dolenitic Basalt
- Cbs: Basalt Lava
- Cms: Calcarious Mudstone

Alemdac Formation
- Atf: Dacitic Pyroclastics
- Adcg: Green Dacite
- Adcp: Purple Dacite
- Adtf: Dacitic Pyroclastics
- Adtf: Dacitic Pyroclastics
- Atf: Dacitic Pyroclastics
- Adcl: Dacite lava

Purple Dacite

Intrusive Rocks
- Dcp: Porphyritic Dacite
- Dcpf: Porphyritic Dacite
- Dcb: Biotite Dacite
- Dol: Dolerite

Land Slide
- Tlg: Talus
- Strike and Dip
- Joint
- Fault
- Mineralization Zone
- Drilling Point