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# **Appendicies**

# **Appendix 1**

## **Drilling equipments and consumed materials**



## Drilling equipment for exploration

	<b>Rig-1</b>	<b>Rig-2</b>
<b>Model</b>	RAMROD-II	VOL-180
<b>Maker</b>	Joy Manufacturing Co. USA	Voltas Ltd. India
<b>Mounting</b>	Truck mounted 4WD	Truck mounted 4WD
<b>Drilling capacity with NX size wire line coring</b>	450 m	650 m
<b>Angle hole drilling capacity</b>	Upto 60 deg.	Vertical only
<b>Circulation pump</b>	35 GPM 800 PSI	37 GPM 1000 PSI

Drilling for metallurgical test: Rig-1

Mineral exploration drilling: Rig-1 and Rig-2

### Consumed material-(1) Exploration

Hole No.	MJOY-1	MJOY-2	MJOY-3	MJOY-4	MJOY-5	MJOY-6	MJOY-7	MJOY-8	MJOY-9
Bit: NW	1	1	1	1	1	1	1	1	1
Bit: NX	1	1	1	1	1	1	1	1	1
Bit: BX	-	-	-	-	-	-	-	-	-
Light Oil (l)	30	25	30	30	35	30	35	30	20
Mud (kg)	240	210	260	200	280	260	280	260	160
Cement (kg)	100	100	150	100	150	150	150	150	150

Hole No.	MJOY-10	MJOY-11	MJOY-12	MJOY-13	MJOY-14	MJOY-15	MJOY-16	MJOY-17	MJOY-18
Bit: NW	1	1	1	1	1	1	1	1	1
Bit: NX	1	1	1	1	1	1	1	1	1
Bit: BX	-	-	-	-	-	-	-	-	-
Light Oil (l)	20	20	20	20	20	20	20	20	20
Mud (kg)	110	140	110	110	120	140	120	110	110
Cement (kg)	100	100	100	100	150	200	100	100	200

Hole No.	MJOY-19	MJOY-20	MJOY-21	MJOY-22	MJOY-23	MJOY-24	MJOY-25	MJOY-26	MJOY-27
Bit: NW	1	1	1	1	1	1	1	1	1
Bit: NX	1	1	1	1	1	1	1	1	1
Bit: BX	-	-	-	-	-	-	-	-	-
Light Oil (l)	20	20	20	20	20	20	20	20	20
Mud (kg)	140	120	140	110	110	120	160	140	110
Cement (kg)	150	150	150	100	100	100	200	100	100

## **Appendix 2**

**Generalized drilling results and progress record of drilling**

**Progress record of drilling for exploration**

	Hole No.	MJOY-1	MJOY-2	MJOY-3	MJOY-4	MJOY-5
Drilling Period	Preparation Days (A)	00/11/24 1	00/12/24 0.5	00/12/7 0.5	01/1/1 0.5	00/12/30 0.5
	Drilling Days (B)	11/25 to 12/6 11.5	12/24 to 12/31 7.5	12/7 to 12/19 11	1/2 to 1/10 8.5	12/30 to 1/9 10.5
	Removing Days (C)	12/6 0.5	1/1 0.5	12/19 0.5	1/10 0.5	1/10 0.5
	Total days (D)	13	8.5	12	9.5	11.5
Depth	Planned depth (E)	250m	200m	250m	200m	250m
	Drilled depth (F)	251.10m	200.35m	251.10m	200.10m	250.10m
Recovery	Overburden (G)	0.00m	0.00m	0.00m	0.00m	2.00m
	Core length (H)	251.10m	199.25m	251.10m	198.90m	248.10m
	Recovery (H/F)	100%	99%	100%	99%	99%
Casing	HW casing	3.05m	-	-	-	-
	NW casing	7.50m	6.50m	3.50m	3.40m	3.40m
	NX casing	-	-	-	-	-
Rate	meter /day (F/B)	21.83m	26.71m	22.83m	23.54m	23.82m
	meter/ total day (F/D)	19.32m	23.57m	20.93m	21.06m	21.75m

	Hole No.	MJOY-6	MJOY-7	MJOY-8	MJOY-9	MJOY-10
Drilling Period	Preparation Days (A)	01/1/10 0.5	01/1/11 0.5	01/1/23 0.5	01/7/3 0.5	01/8/1 0.5
	Drilling Days (B)	1/11 to 1/23 12.5	1/11 to 1/22 11	1/23 to 2/3 11.5	7/4 to 7/12 8.5	8/2 to 8/9 7.5
	Removing Days (C)	1/23 0.5	1/22 0.5	2/3 0.5	7/12 0.5	8/9 0.5
	Total days (D)	13.5	12	12.5	9.5	8.5
Depth	Planned depth (E)	250m	250m	250m	150m	150m
	Drilled depth (F)	250.65m	250.60m	250.25m	150.00m	150.35m
Recovery	Overburden (G)	0.00m	2.50m	2.00m	0.00m	0.00m
	Core length (H)	250.45m	247.80m	243.70m	148.15m	150.35m
	Recovery (H/F)	100%	99%	97%	99%	100%
Casing	HW casing	-	-	-	-	-
	NW casing	11.75m	12.50m	18.50m	3.15m	3.00m
	NX casing	-	-	-	-	-
Rate	meter /day (F/B)	20.05m	22.78m	21.76m	17.65m	20.05m
	meter/ total day (F/D)	18.57m	20.88m	20.02m	15.79m	17.69m

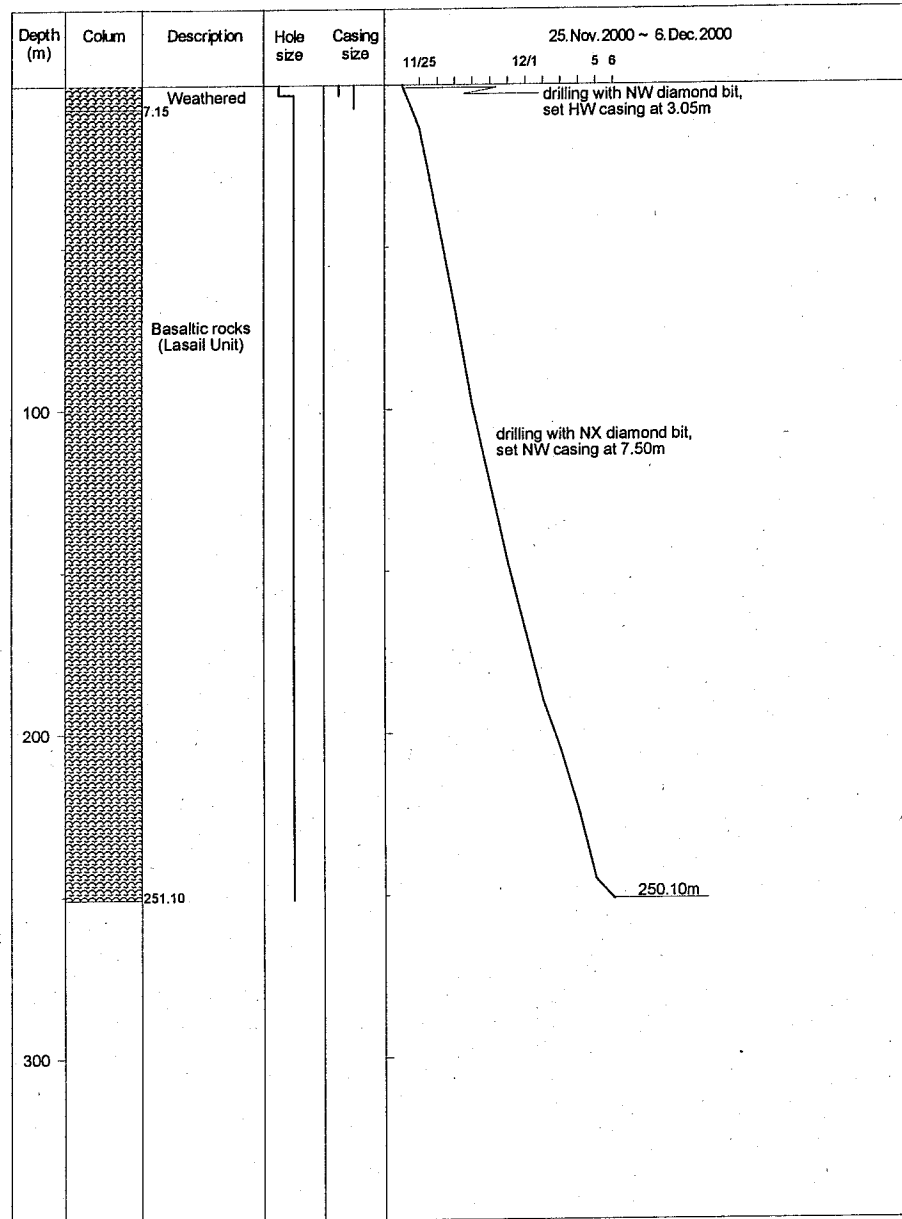
	Hole No.	MJOY-11	MJOY-12	MJOY-13	MJOY-14	MJOY-15
Drilling Period	Preparation Days (A)	01/7/7 0.5	01/8/13 0.5	01/7/20 0.5	01/8/21 0.5	01/8/6 0.5
	Drilling Days (B)	7/8 to 7/13 5.5	8/13 to 8/20 7.5	7/21 to 7/28 7.5	8/21 to 8/27 6.5	8/6 to 8/12 6
	Removing Days (C)	7/13 0.5	8/20 0.5	7/28 0.5	8/28 0.5	8/12 0.5
	Total days (D)	6.5	8.5	8.5	7.5	7
Depth	Planned depth (E)	150m	150m	150m	150m	150m
	Drilled depth (F)	150.30m	150.35m	150.05m	150.20m	150.35m
Recovery	Overburden (G)	0.00m	0.00m	0.00m	0.00m	9.25m
	Core length (H)	148.20m	149.00m	150.05m	148.20m	146.05m
	Recovery (H/F)	99%	99%	100%	99%	97%
Casing	HW casing		2.00m	-	2.00m	2.00m
	NW casing	5.50m	7.00m	3.05m	3.60m	10.00m
	NX casing	-	-	-	-	-
Rate	meter /day (F/B)	27.33m	20.05m	20.01m	23.11m	25.06m
	meter/ total day (F/D)	23.12m	17.69m	17.65m	20.03m	21.48m

	Hole No.	MJOY-16	MJOY-17	MJOY-18	MJOY-19	MJOY-20
Drilling Period	Preparation Days (A)	01/7/14 0.5	01/7/20 0.5	01/7/29 0.5	01/8/10 0.5	01/8/19 0.5
	Drilling Days (B)	7/14 to 7/19 5.5	7/21 to 7/28 8	7/29 to 8/5 7	8/10 to 8/18 8.5	8/19 to 8/26 7
	Removing Days (C)	7/20 0.5	7/29 0.5	8/5 0.5	8/18 0.5	8/26 0.5
	Total days (D)	6.5	9	8	9.5	8
Depth	Planned depth (E)	150m	150m	150m	150m	150m
	Drilled depth (F)	150.40m	150.35m	150.35m	150.35m	150.35m
Recovery	Overburden (G)	0.00m	0.00m	0.00m	0.00m	0.00m
	Core length (H)	149.40m	149.45m	150.35m	149.95m	147.90m
	Recovery (H/F)	99%	99%	100%	100%	98%
Casing	HW casing	-	2.50m	-	2.00m	2.00m
	NW casing	3.60m	3.50m	3.60m	18.00m	10.40m
	NX casing	-	-	-	-	-
Rate	meter /day (F/B)	27.35m	18.79m	21.48m	17.69m	21.48m
	meter/ total day (F/D)	23.14m	16.71m	18.79m	15.83m	18.79m

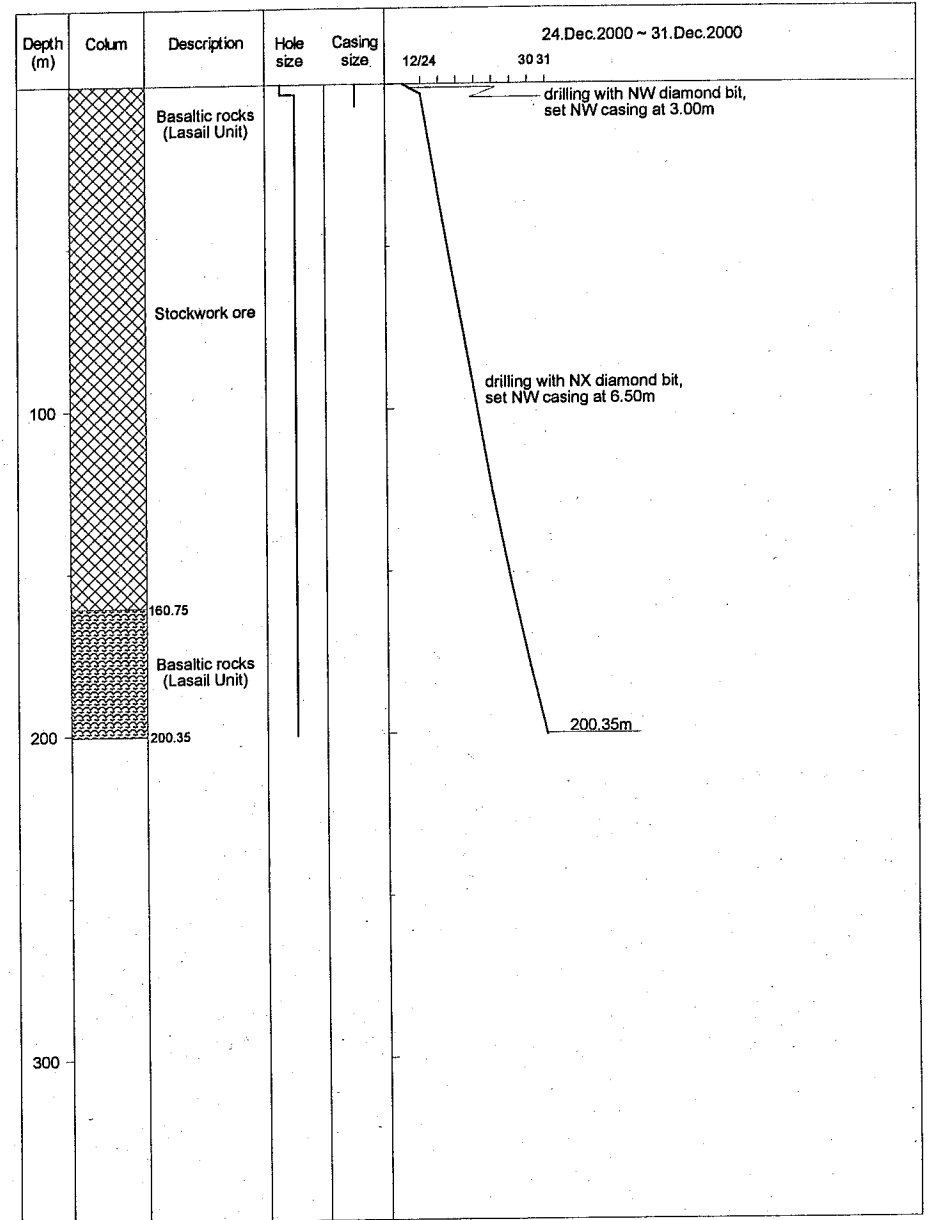
	Hole No.	MJOY-21	MJOY-22	MJOY-23	MJOY-24	MJOY-25
Drilling Period	Preparation Days (A)	01/7/13 0.5	01/9/6 0.5	01/9/14 0.5	01/9/21 0.5	01/9/7 0.5
	Drilling Days (B)	7/13 to 7/19 6.5	9/6 to 9/12 6.5	9/14 to 9/20 6.5	9/21 to 9/28 7	9/7 to 9/13 6.5
	Removing Days (C)	7/20 0.5	9/13 0.5	9/21 0.5	9/28 0.5	9/14 0.5
	Total days (D)	7.5	7.5	7.5	8	7.5
Depth	Planned depth (E)	150m	150m	150m	150m	150m
	Drilled depth (F)	150.05m	150.35m	150.35m	150.35m	153.40m
Recovery	Overburden (G)	0.00m	17.20m	24.60m	3.70m	16.45m
	Core length (H)	149.05m	147.60m	147.70m	147.15m	152.20m
	Recovery (H/F)	99%	98%	98%	98%	99%
Casing	HW casing		-	2.50m	-	2.50m
	NW casing	3.00m	3.00m	7.50m	3.50m	8.50m
	NX casing	-	-	-	-	-
Rate	meter /day (F/B)	23.08m	23.13m	23.13m	21.48m	23.60m
	meter/ total day (F/D)	20.01m	20.05m	20.05m	18.79m	20.45m

	Hole No.	MJOY-26	MJOY-27
Drilling Period	Preparation Days (A)	01/8/30 0.5	8/29 0.5
	Drilling Days (B)	8/30 to 9/6 7	8/30 to 9/5 6.5
	Removing Days (C)	9/6 0.5	9/5 0.5
	Total days (D)	8	7.5
Depth	Planned depth (E)	150m	150m
	Drilled depth (F)	150.35m	150.35m
Recovery	Overburden (G)	0.00m	0.00m
	Core length (H)	148.90m	150.35m
	Recovery (H/F)	99%	100%
Casing	HW casing	2.00m	-
	NW casing	5.00m	5.50m
	NX casing	-	-
Rate	meter /day (F/B)	21.48m	23.13m
	meter/ total day (F/D)	18.79m	20.05m

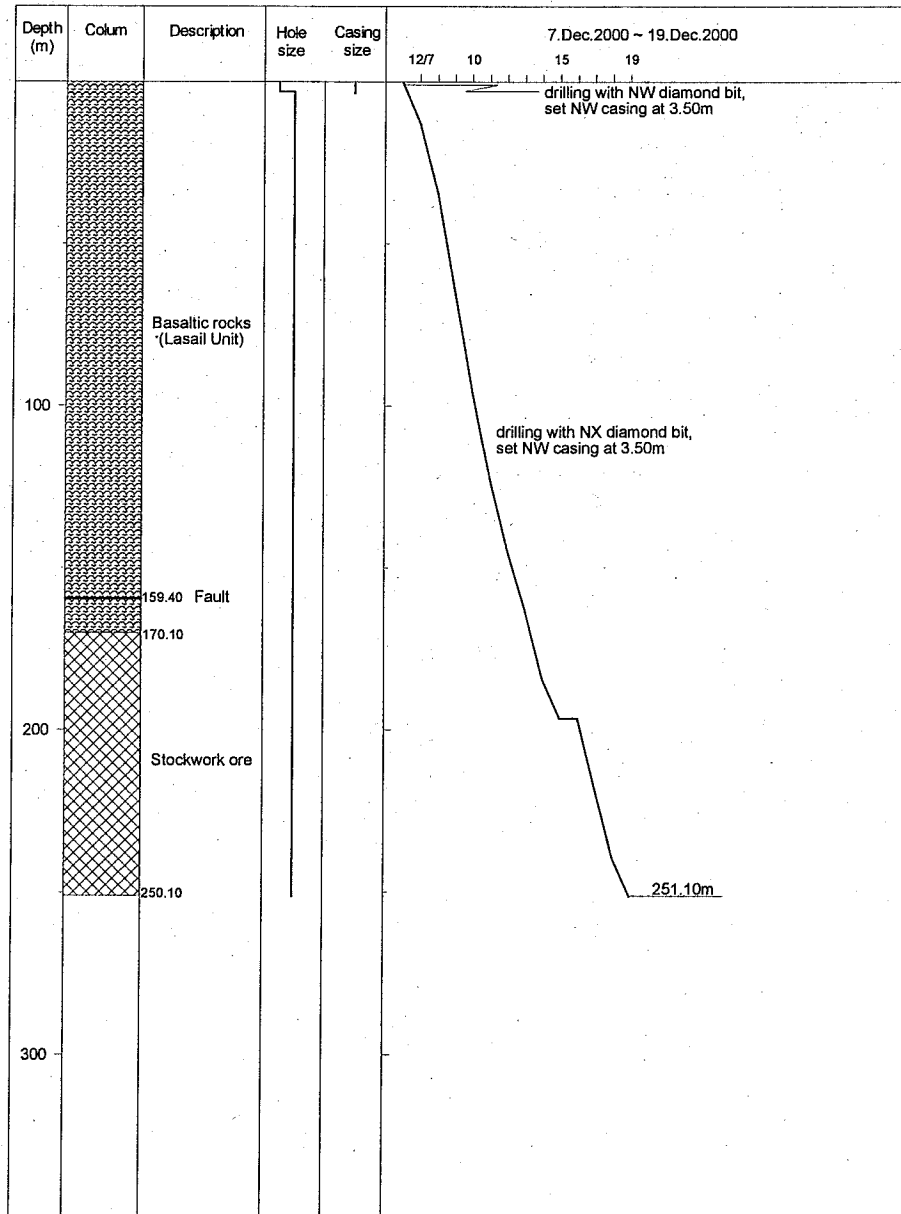
### MJOY-1



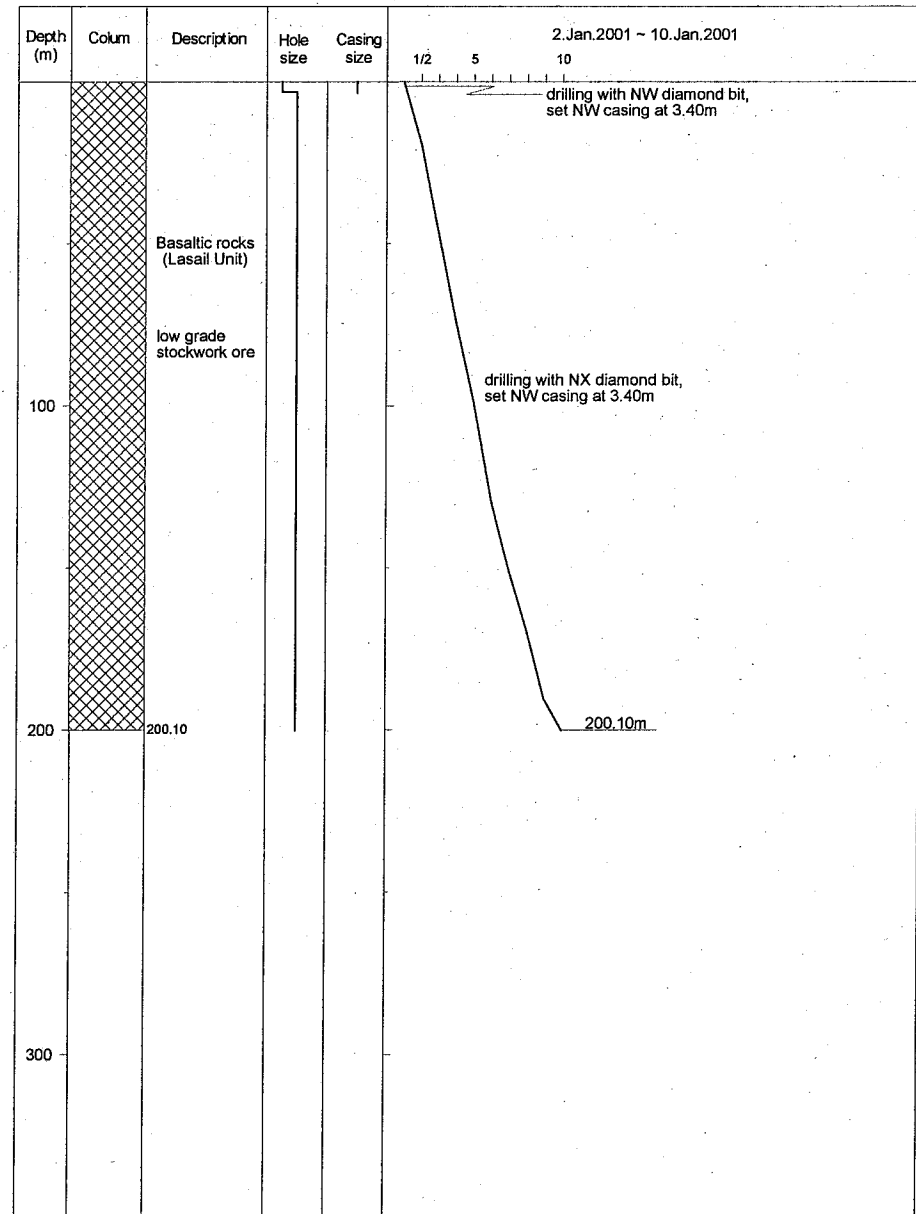
### MJOY-2



### MJOY-3

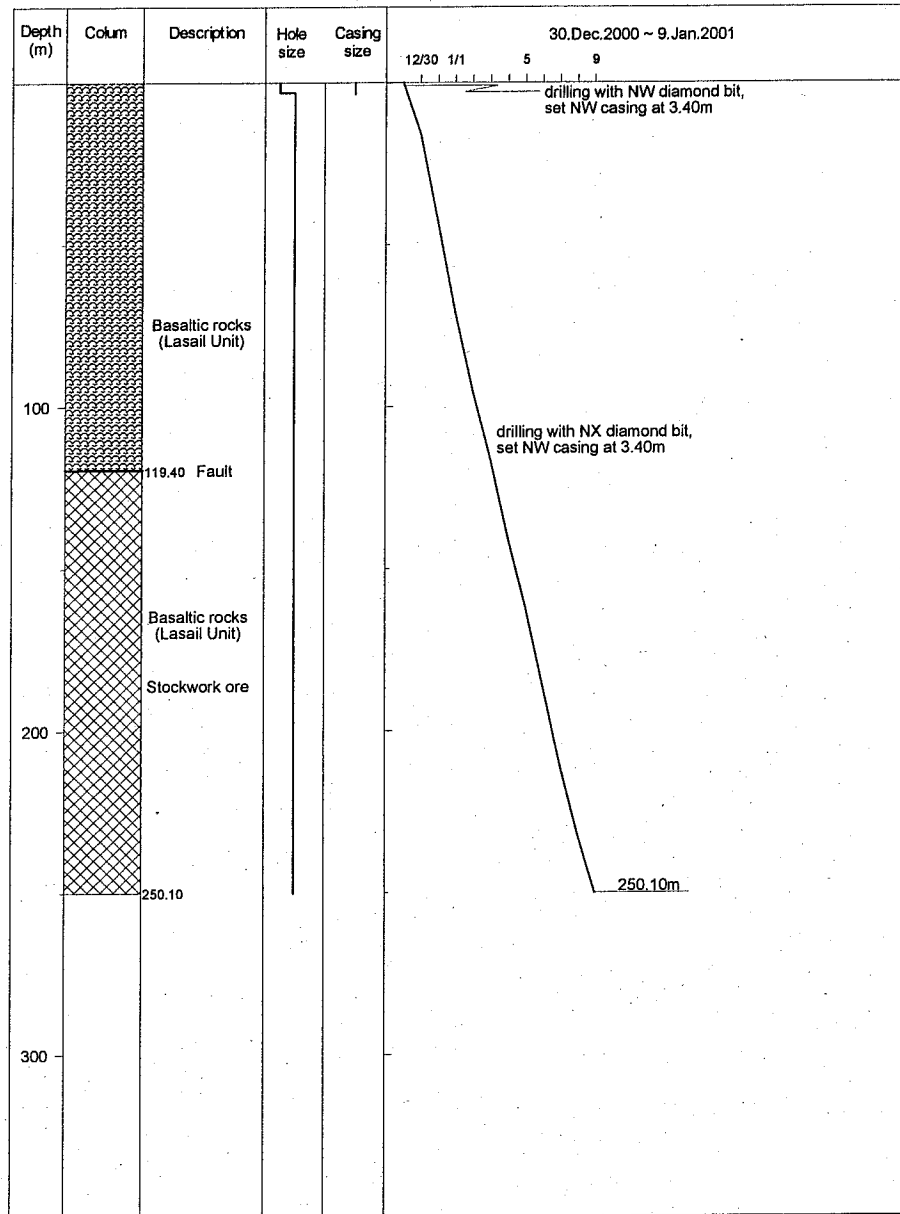


### MJOY-4

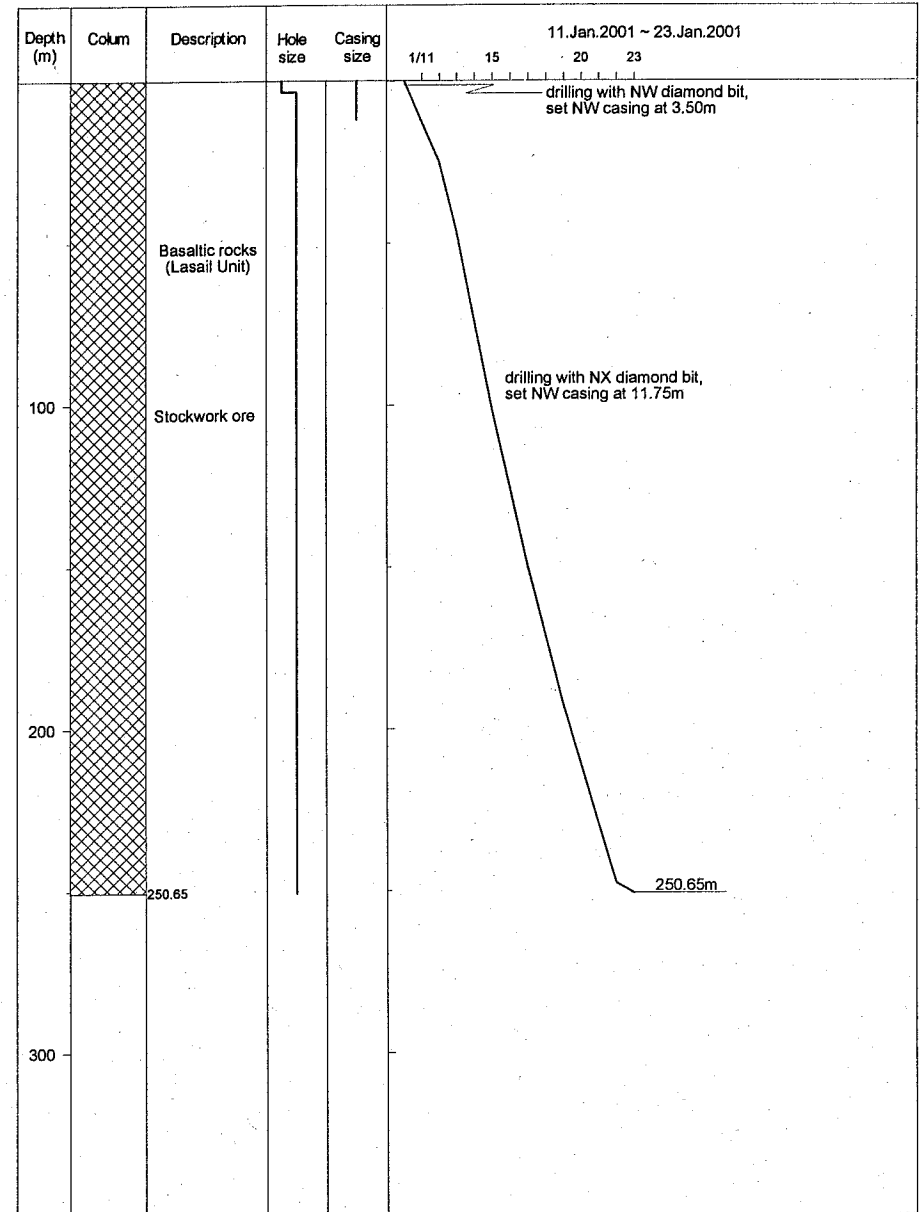




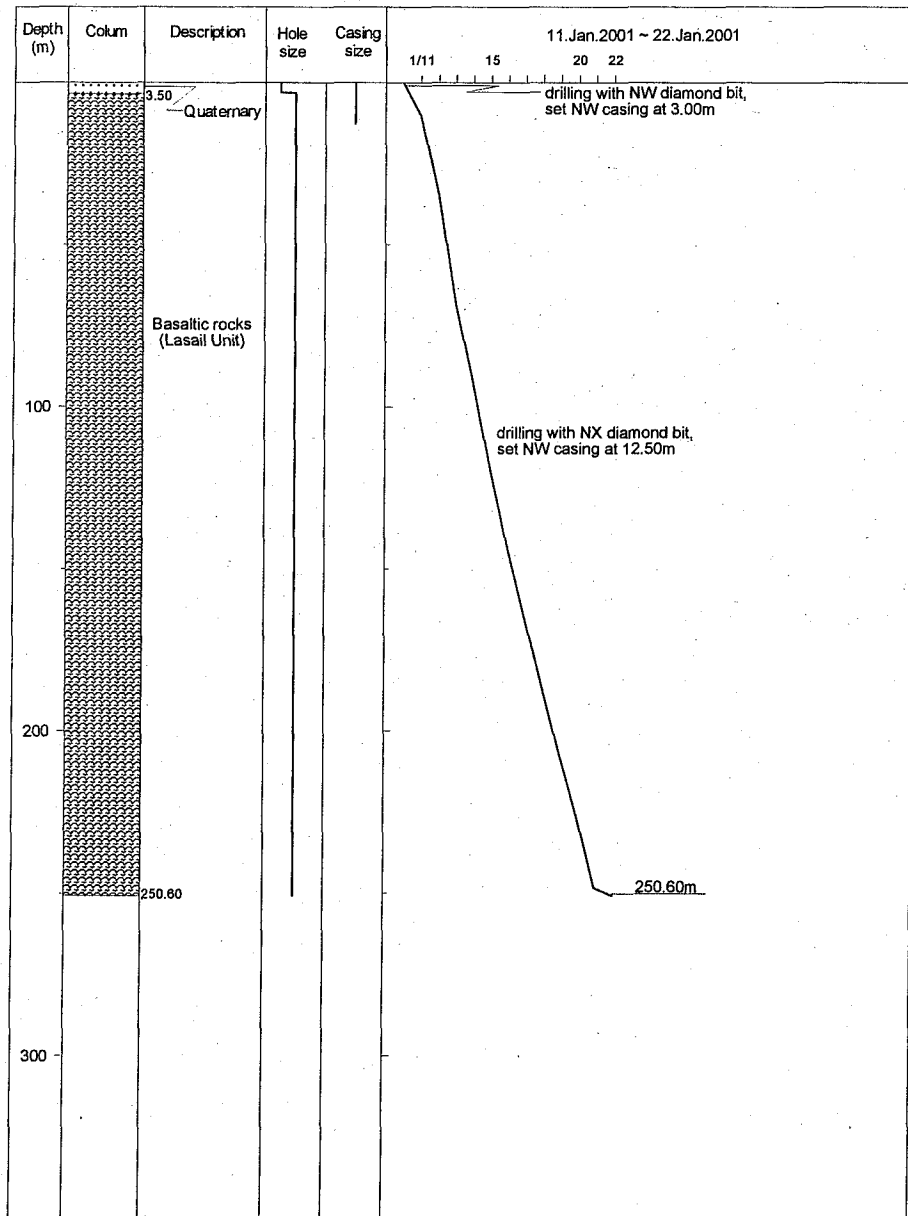
### MJOY-5



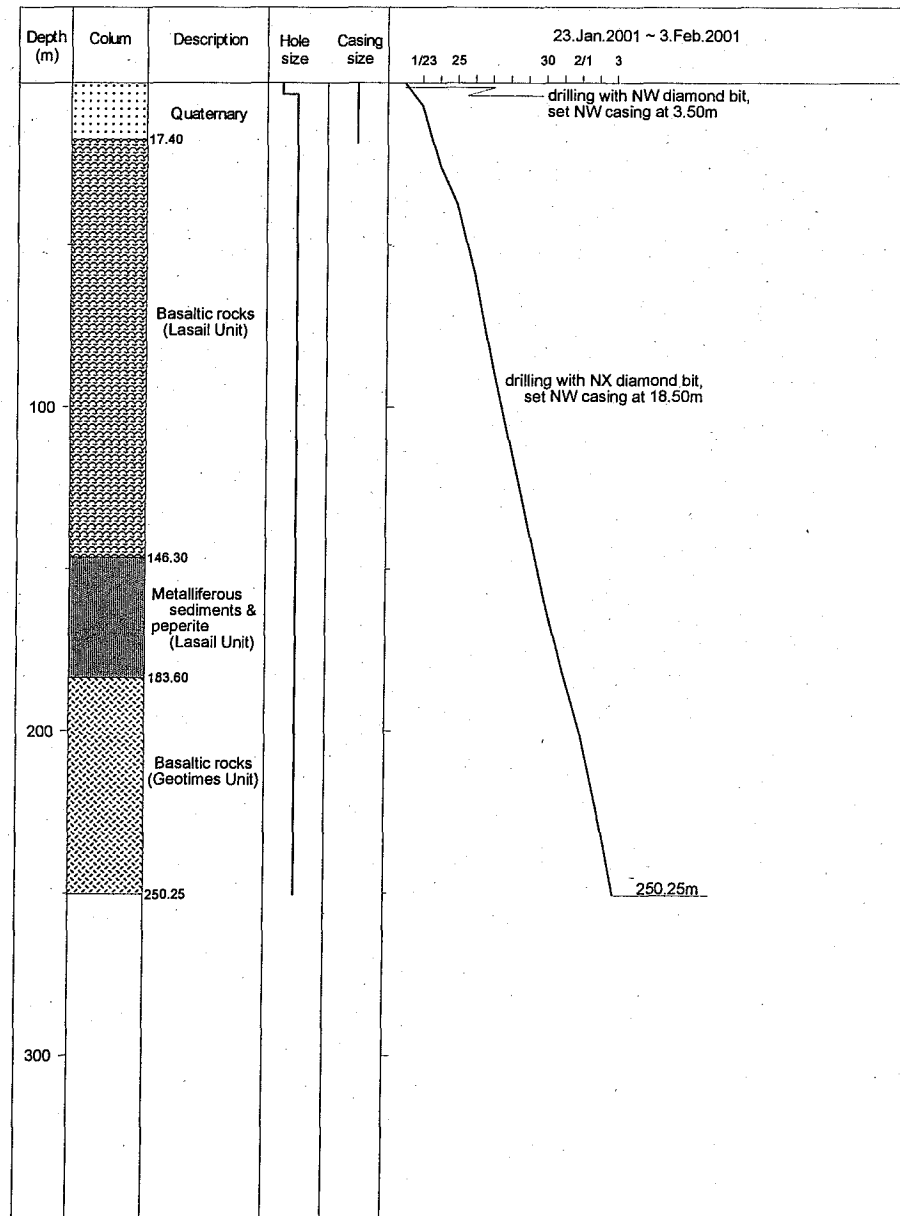
### MJOY-6



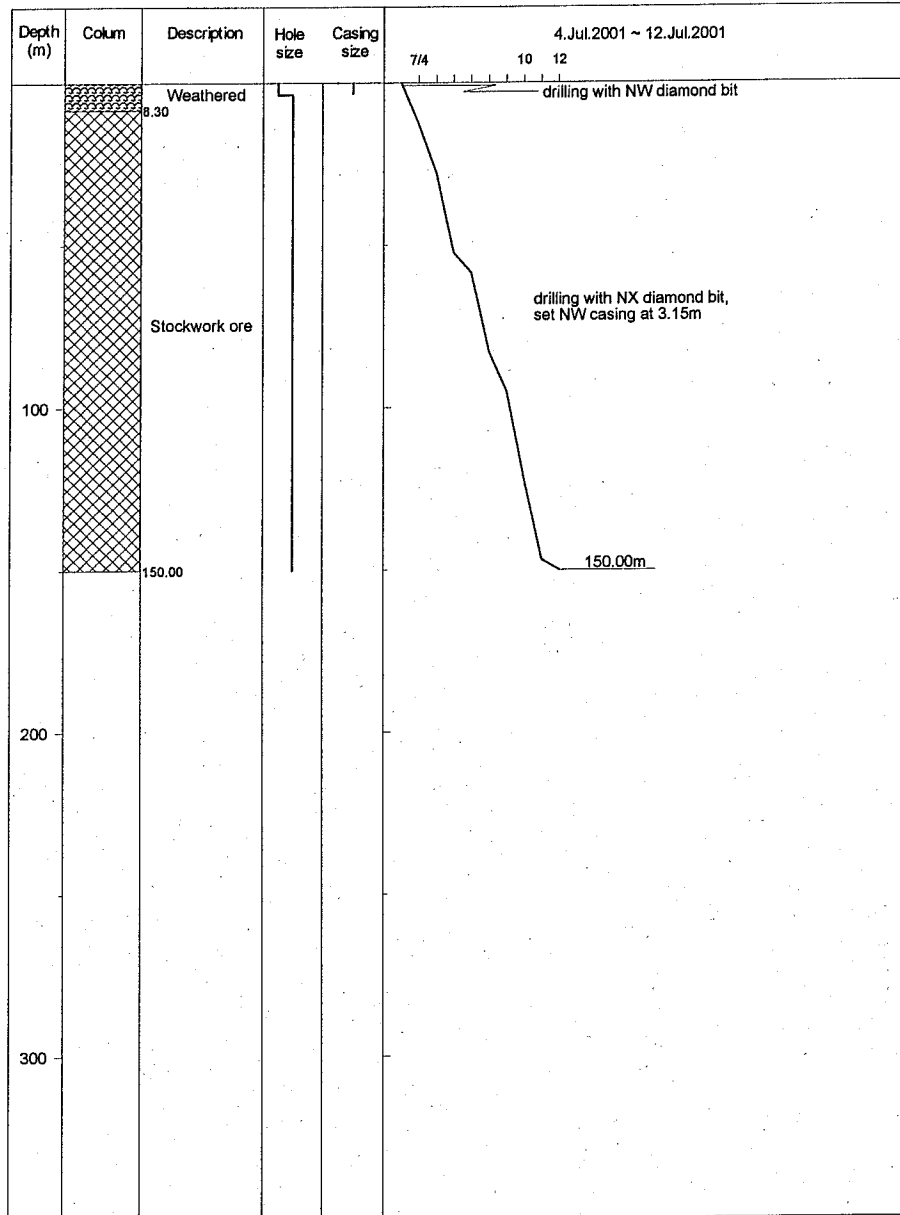
### MJOY-7



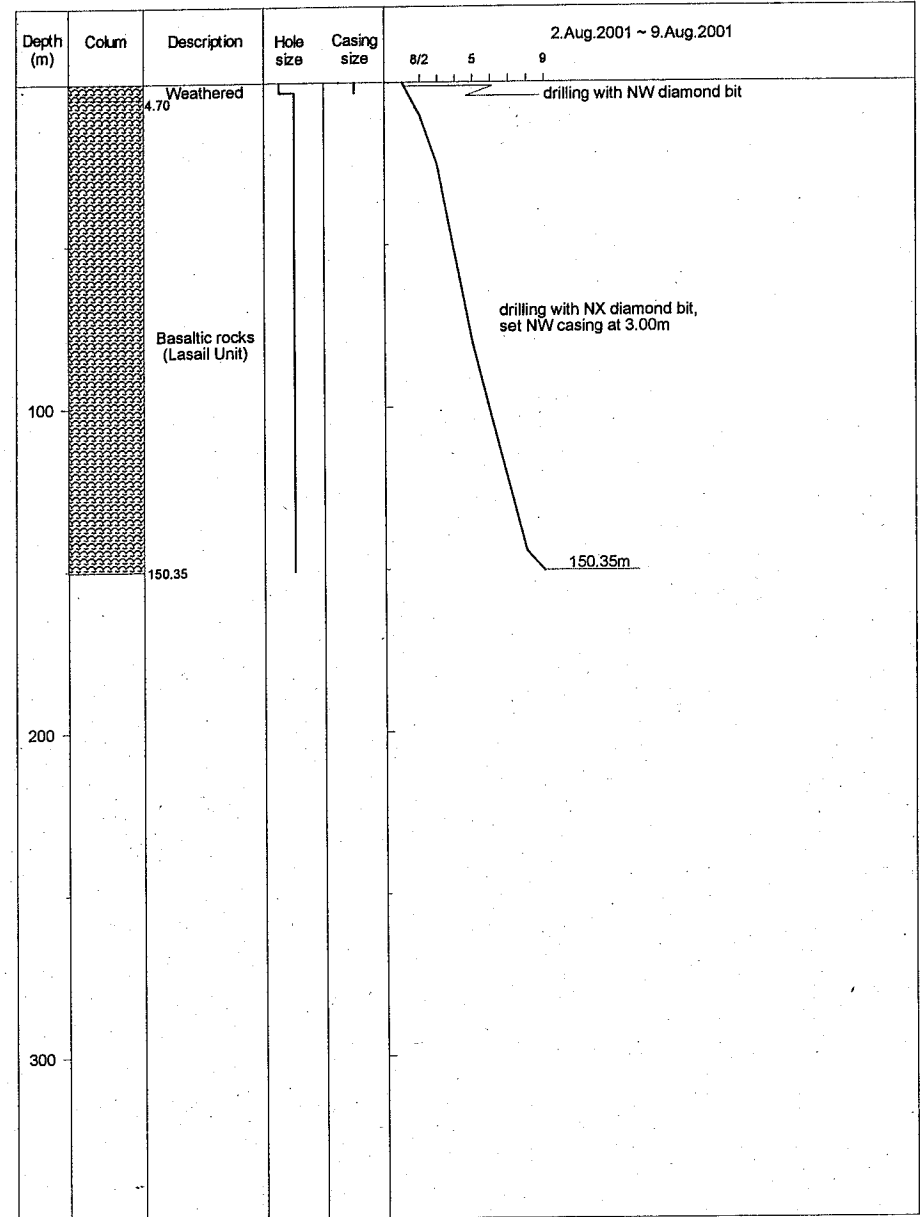
### MJOY-8



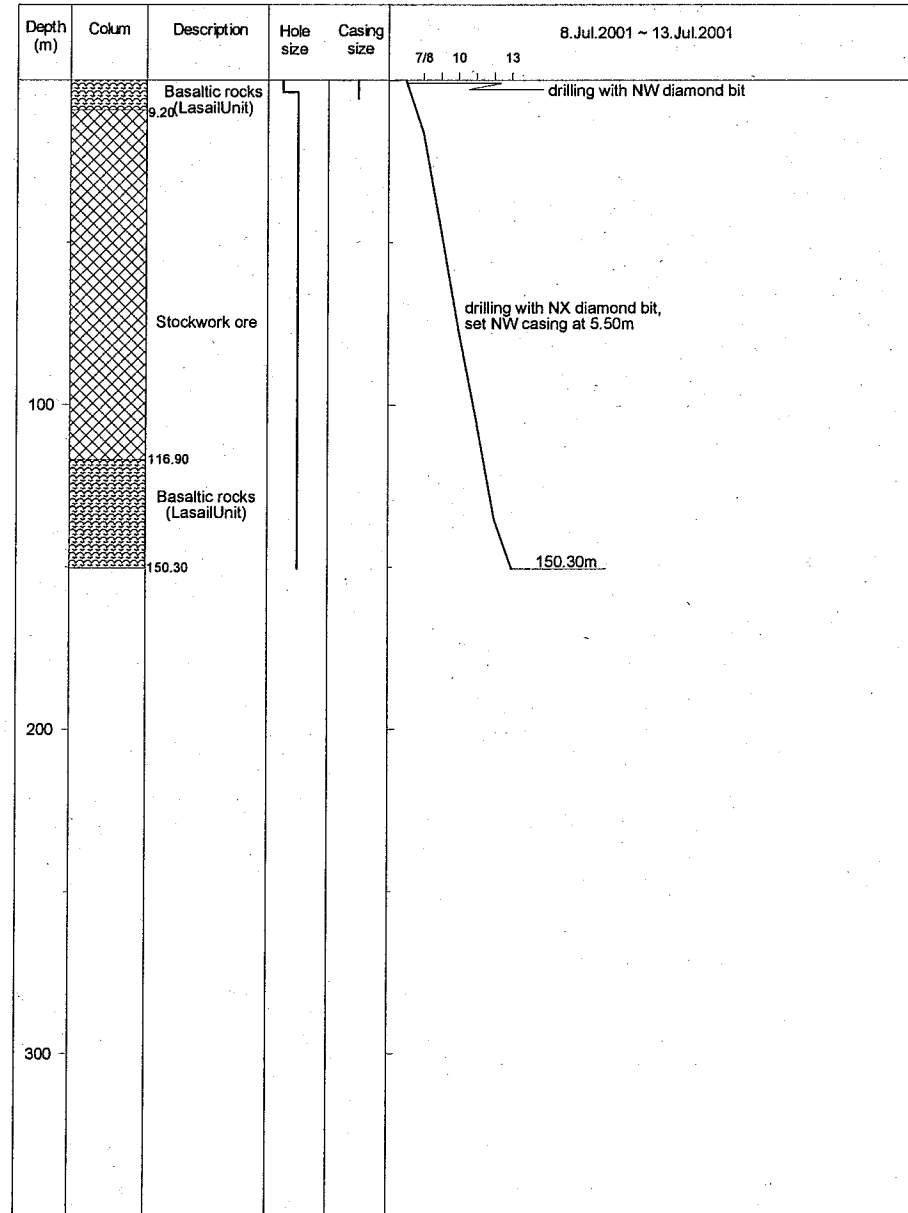
### MJOY-9



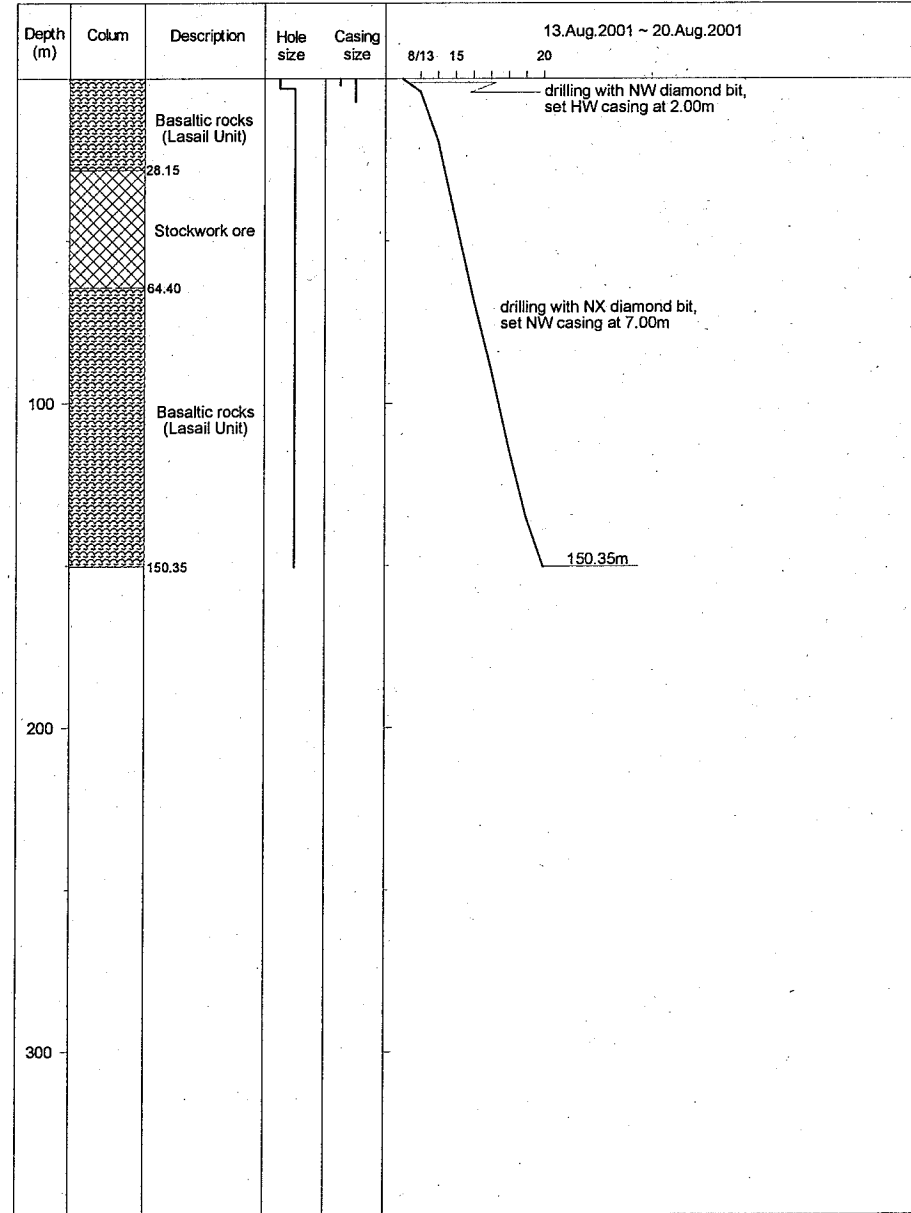
### MJOY-10



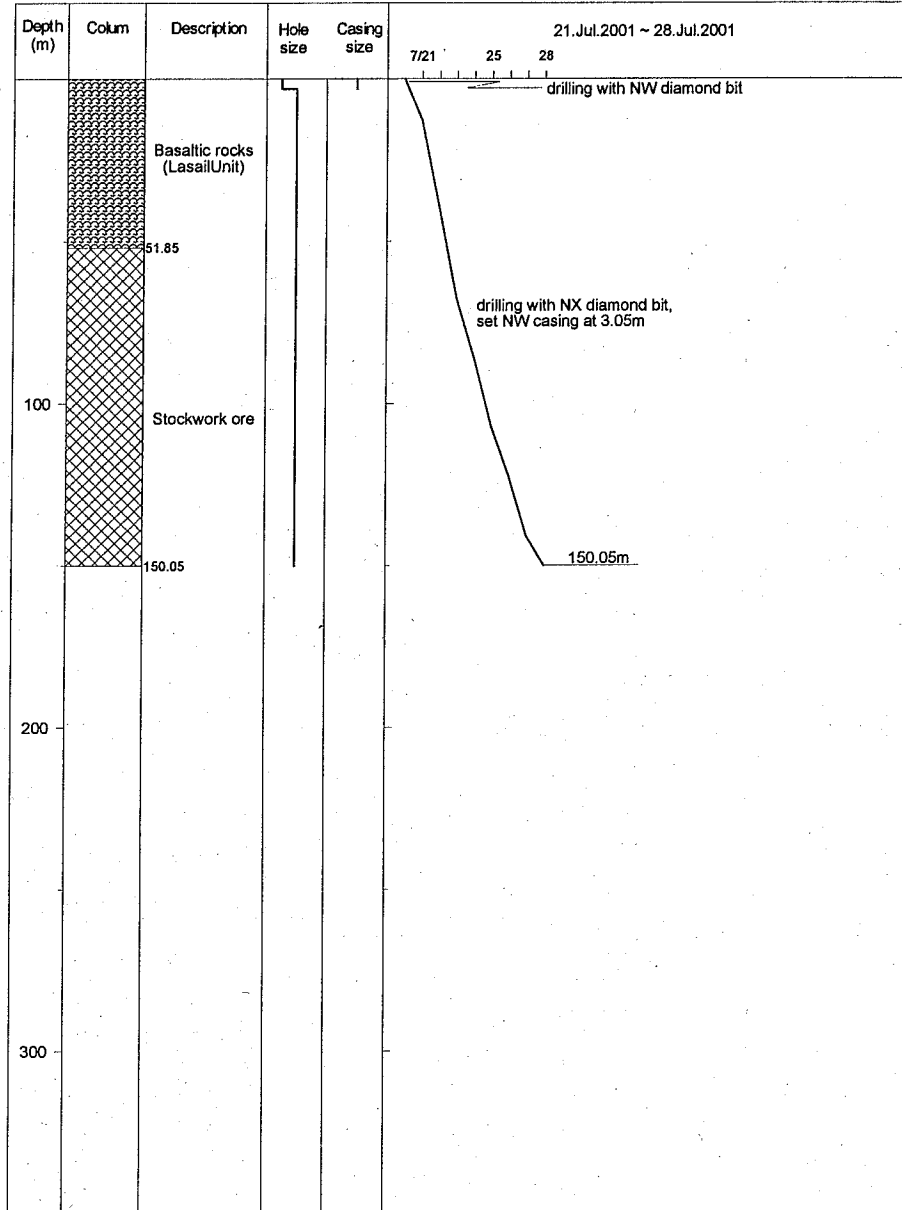
### MJOY-11



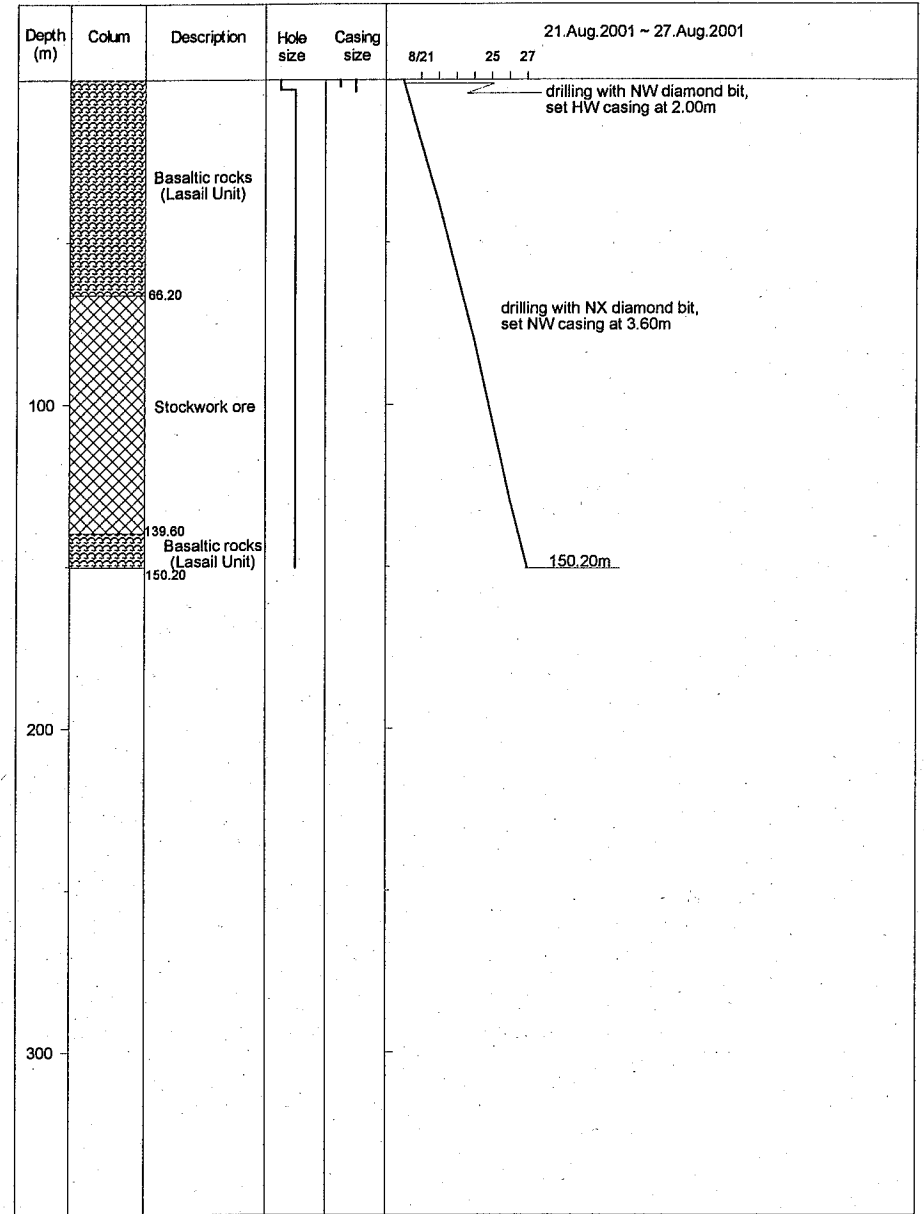
### MJOY-12



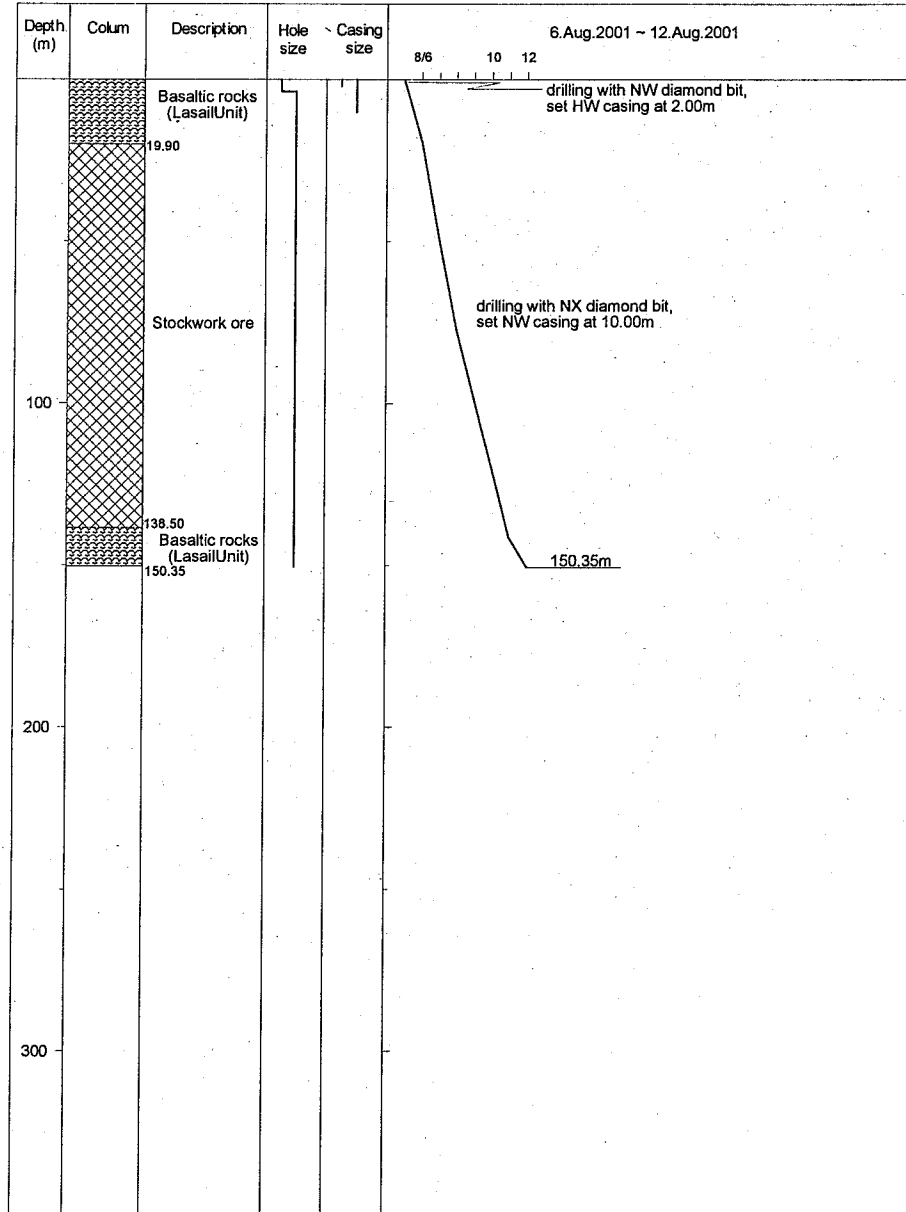
### MJOY-13



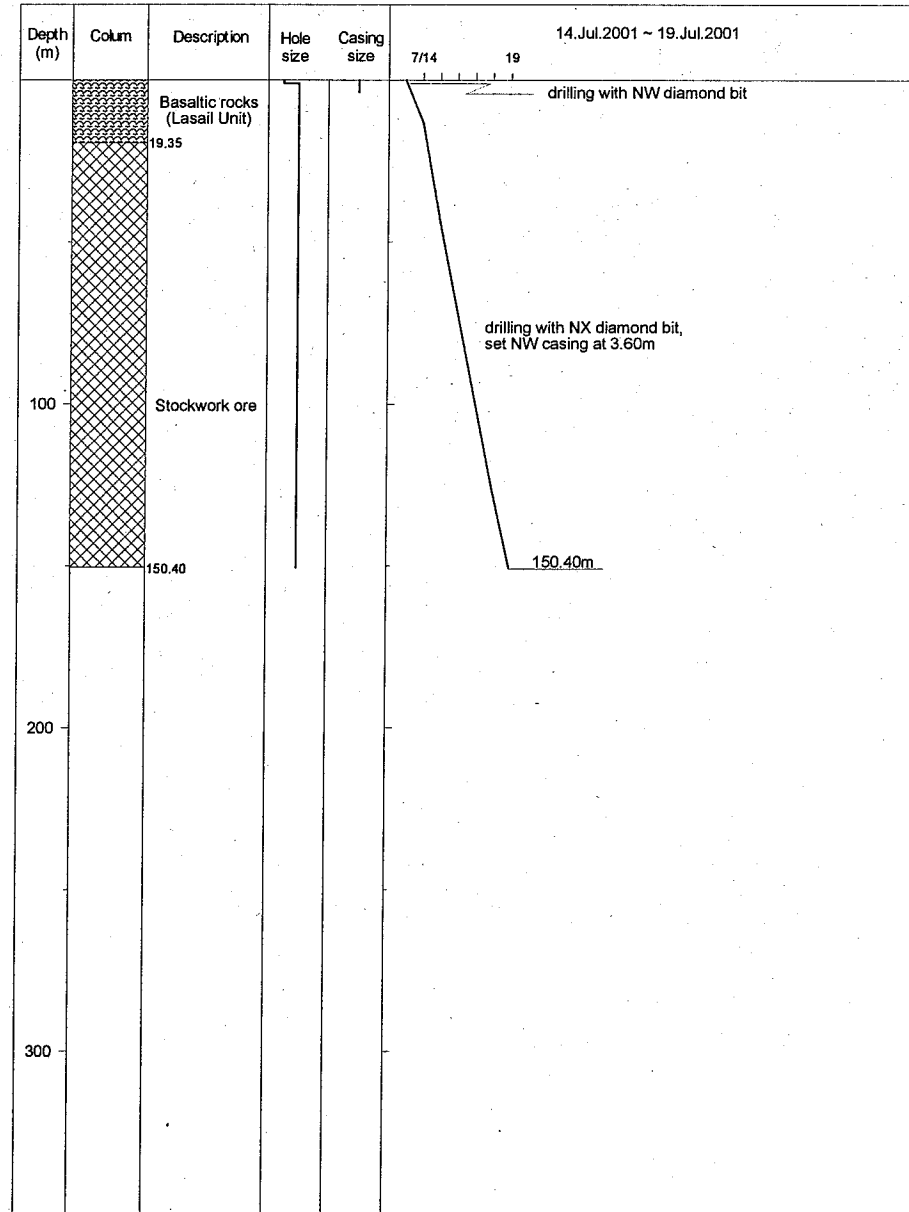
### MJOY-14



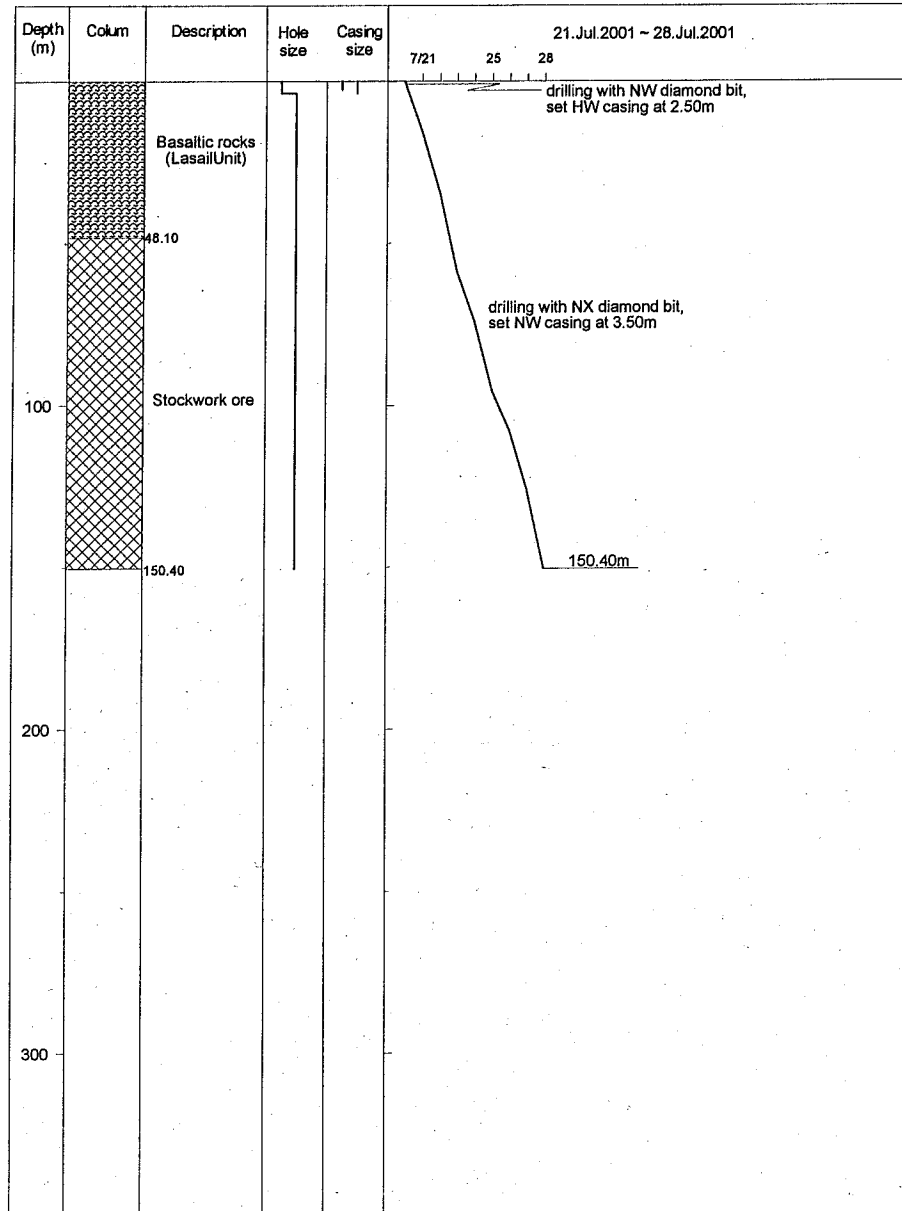
### MJOY-15



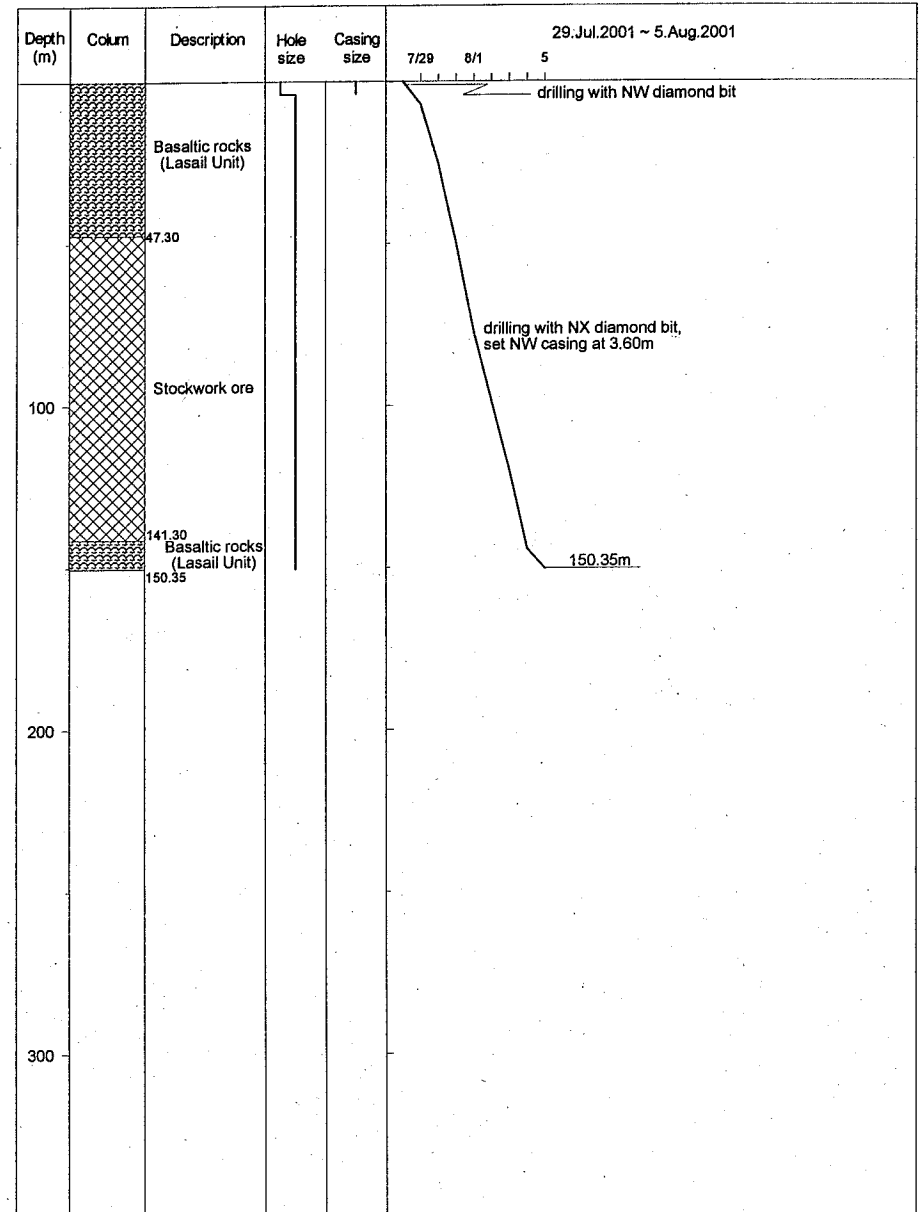
### MJOY-16



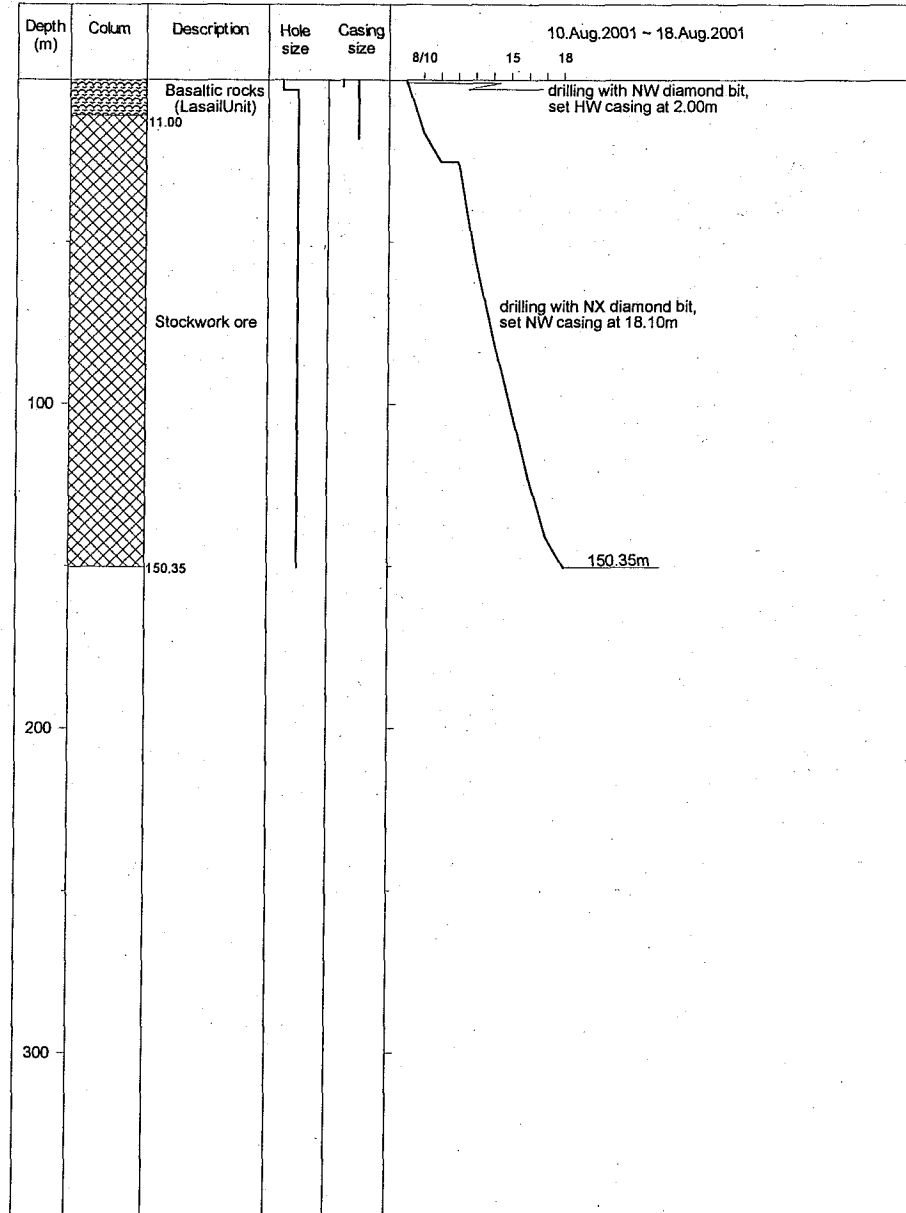
### MJOY-17



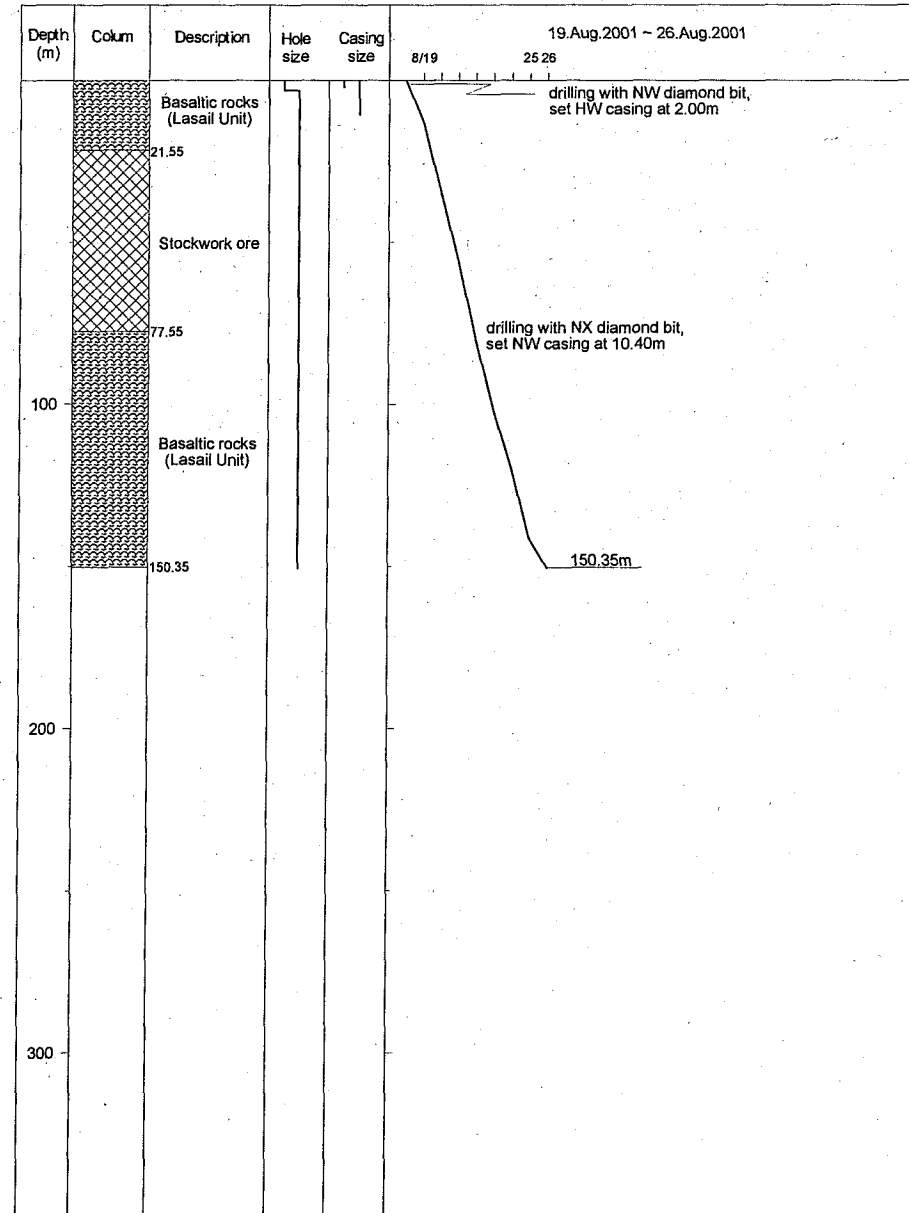
### MJOY-18



### MJOY-19

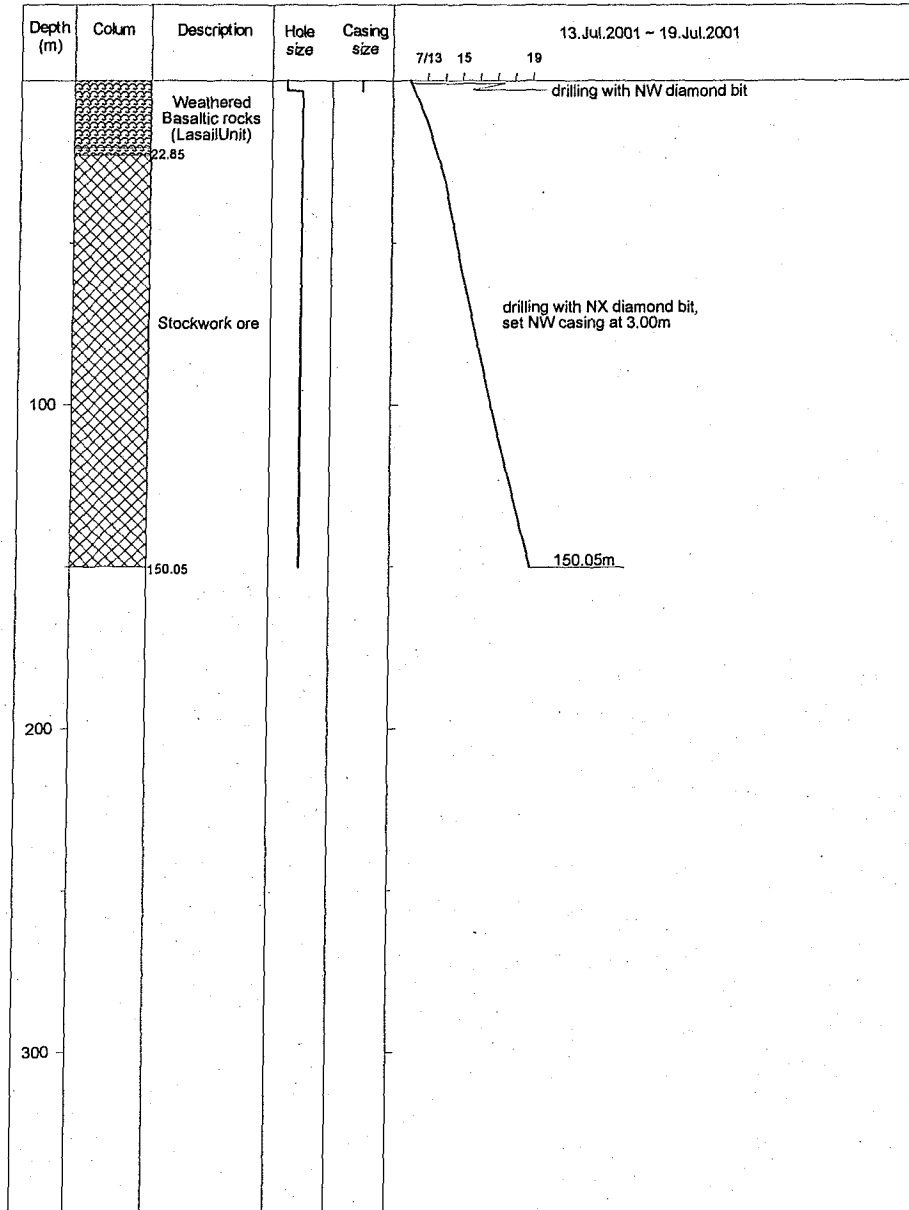


### MJOY-20

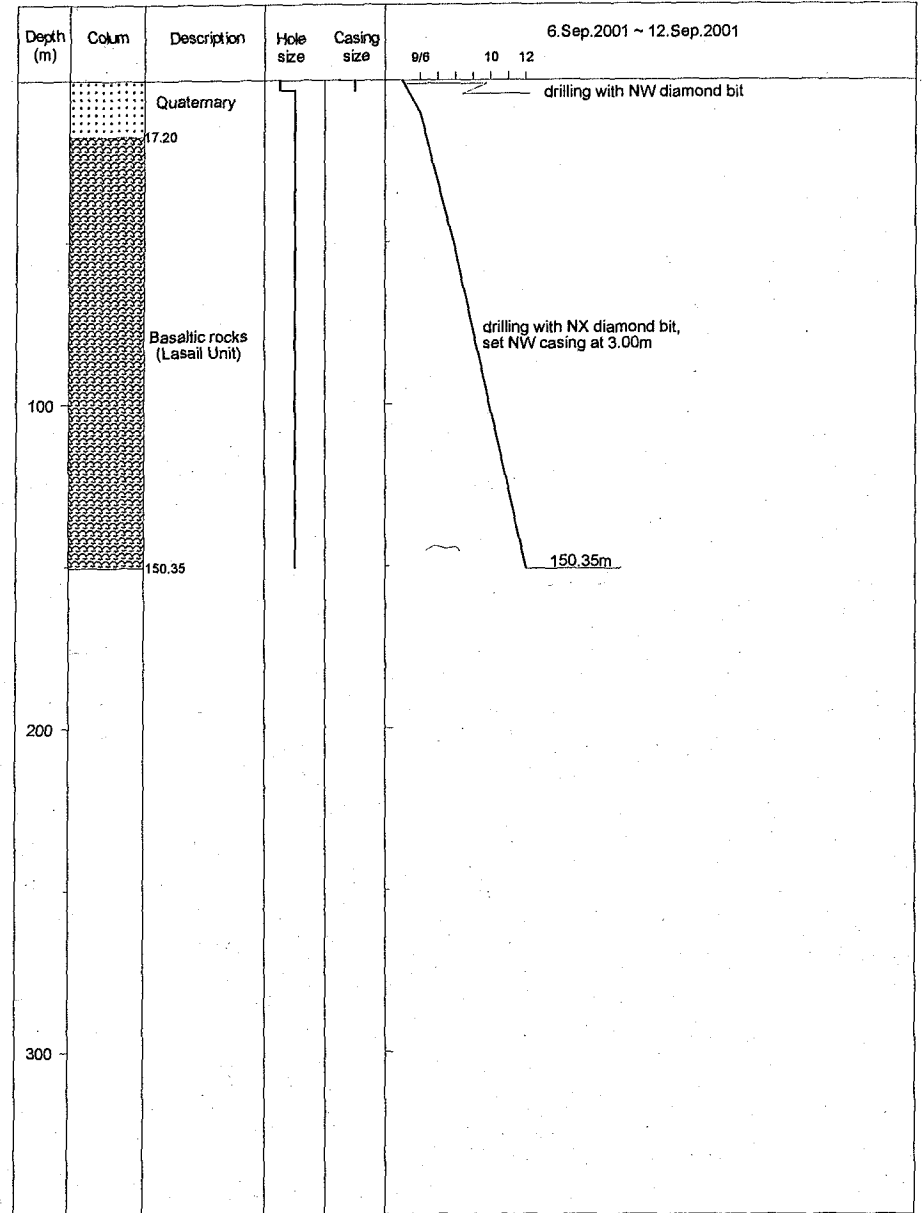




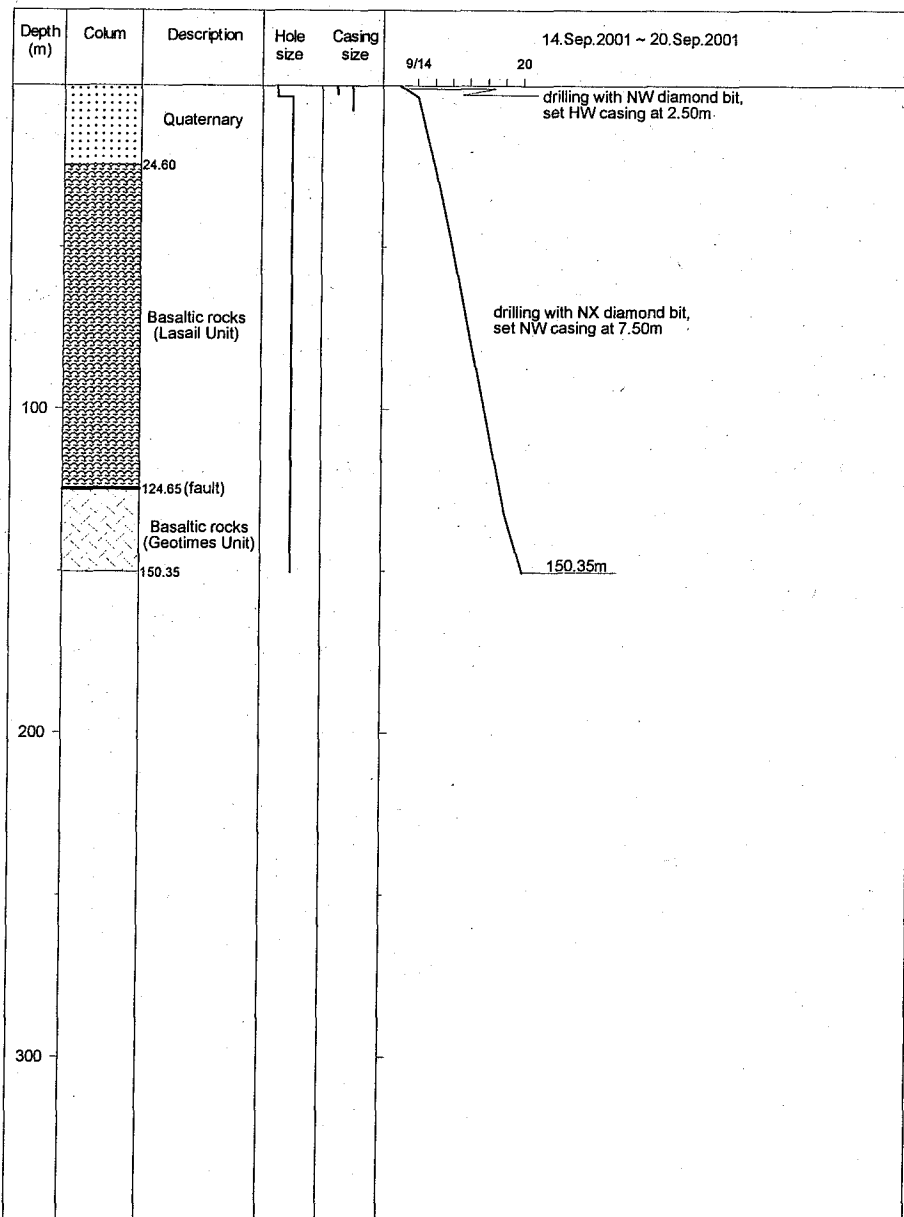
### MJOY-21



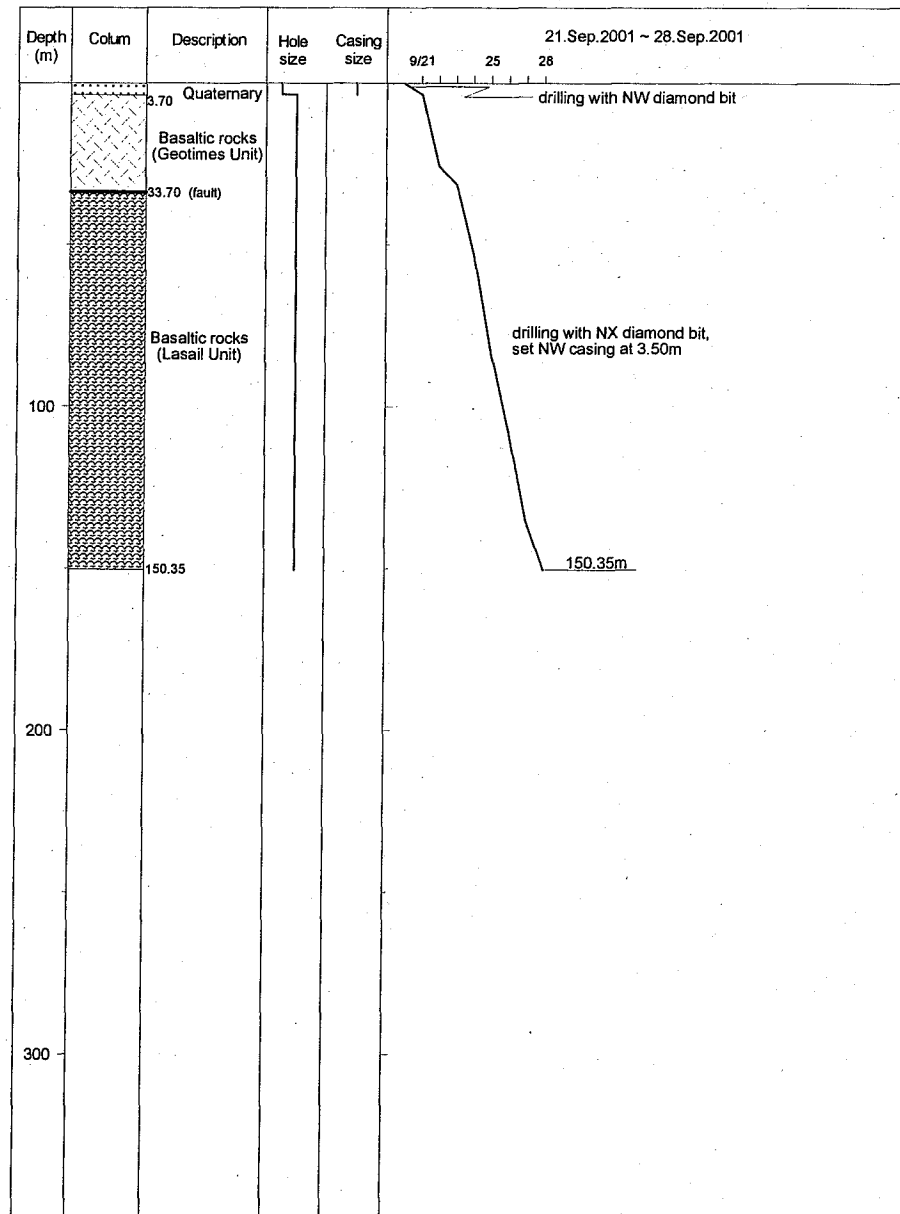
### MJOY-22



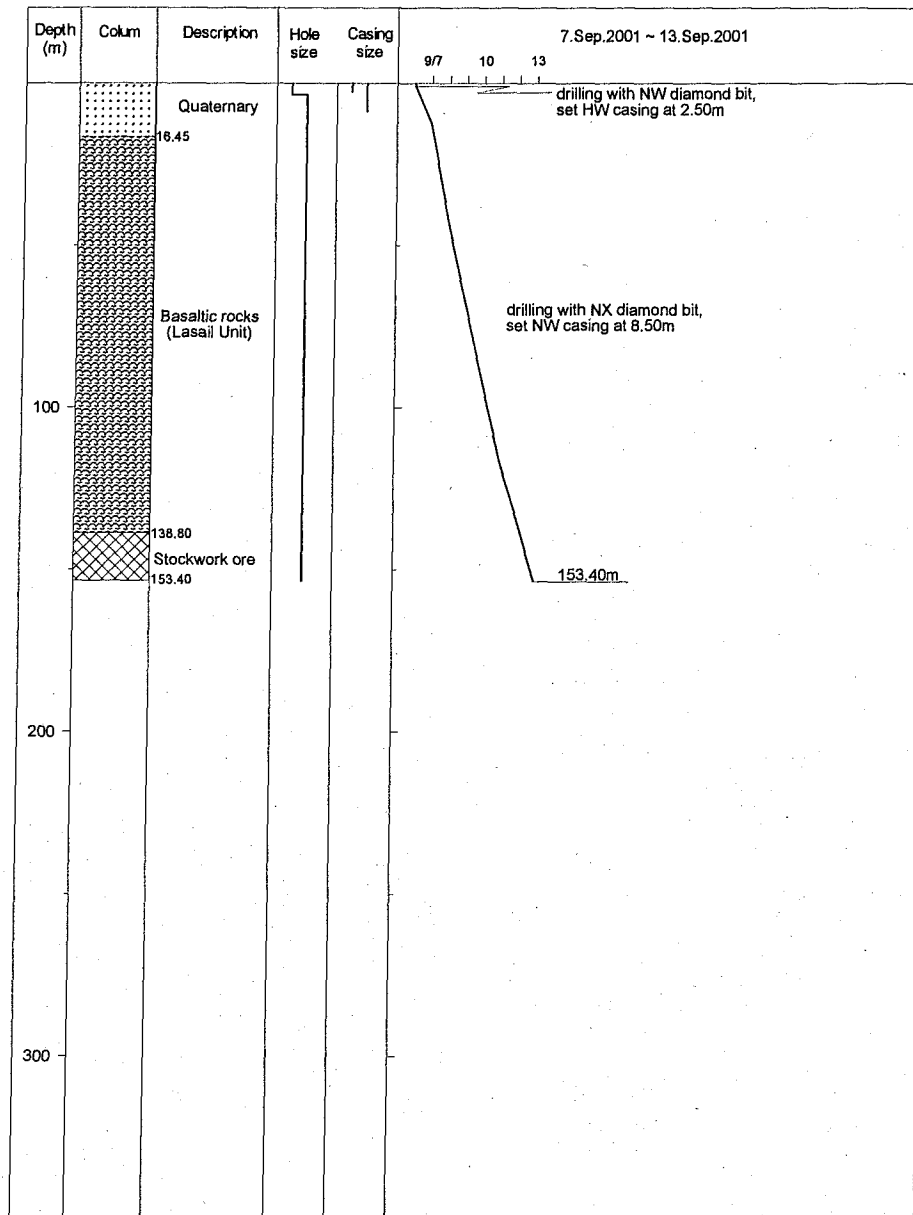
### MJOY-23



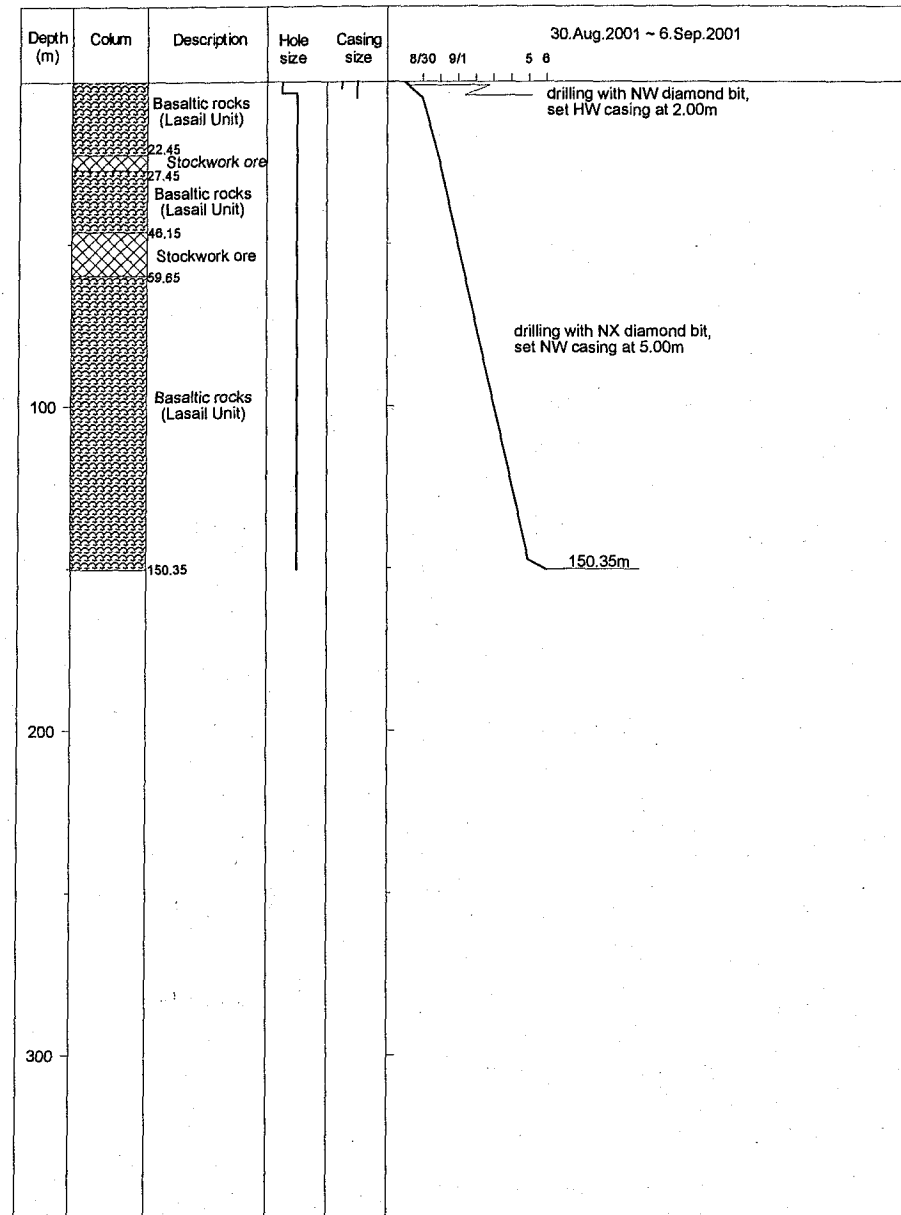
### MJOY-24



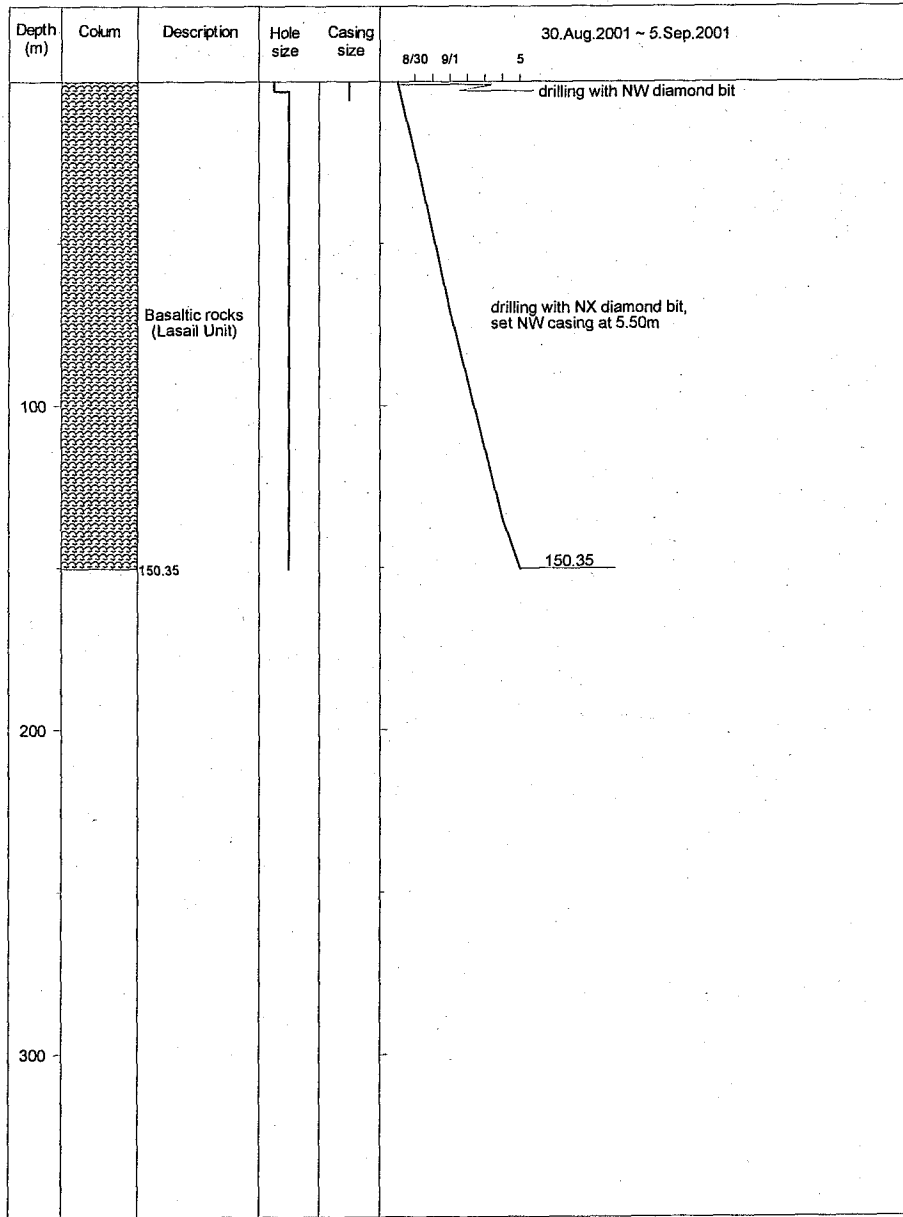
### MJOY-25



### MJOY-26



# MJOY-27



## **Appendix 3**

### **Geologic core logs**

Hole No. MJOY-1 ( 251.10m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization							Sampling		Ore Assay								
			Silicification	Argilization	Quartz veinlets	Epidoie veinlets	Epidoie dissemi.	Calcite veinlets	Massive Sulfida	Stockwork	Pyrite veinlets	Pyrite dissemi.	Chalcocopyrite dissemi.	Chalcocopyrite veinlets	Sphalerite dissemi.	Sphalerite veinlets	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)				
0		0.00m to 1.80m: Gossanized and weathered part.																									
		1.8m to 2.65m: Argillized part.																									
		2.65m to 7.15: Gossanized and weathered part.																									
5																											
		7.15m to 29.30m: Greenish grey to light grey massive lava : slightly weathered, with Qtz-Py-Co-Epi veinlets, (oxidized) and fracture filling hematite veinlets, amygdaloidal tex. in places.																									
10																											
		(14.45m): Fault, 15deg to core axis, filled by quartz and hematite with native Cu and gypsum, 4cm width.																									
		(17.35m): Fault, 30deg to core axis, filled by quartz and hematite, 2cm width.																									
20																											
		(18.75m): Fault, 50deg to core axis, filled by quartz and hematite, 5cm width.																									
		(19.50m): Fault, 60deg																									
		(19.88m): Fault, 45deg																									
25																											
		(21.40m): Fault, 60deg																									
30																											
		(23.80m): Fault, 20deg																									
		(24.40m): Fault, 70deg																									
		(24.85m): Fault, 40deg																									
		(25.00m): Fault, 60deg																									
35																											
40																											
		(29.30m): Fault, 50deg																									
		29.30m to 31.40m: LASAIL UNIT: Pillow lava ; weathered.																									
		31.40m to 40.85m: LASAIL UNIT: Pillow lava; with abundant fracture filling hematite.																									
45																											
		40.85m to 50.00m: light grey massive lava with amygdaloidal texture in places.																									
50																											









Hole No. MJOY-1 ( 251.10m ; from 200.00 m to 250.00 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization						Sampling		Ore Assay								
			Silicification	Argilization	Quartz veinlets	Epidote veinlets	Epidote dissemi.	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemi.	Chalcocopyrite dissemi.	Chalcocopyrite veinlets	Sphalerite dissemi.	Sphalerite veinlets	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)			
200		186.35m to 202.60m: LASAIL UNIT: Pillow lava ; light greenish grey, strong Py. dissemi. in interpillows.																								
202.60m to 206.20m:		Autobrecciated pillow lava ; light greenish grey, finely brecciated.																								
206.20m to 206.85m:		Basalt dyke.																								
206.85m to 210.75m:		Autobrecciated pillow lava ; light greenish grey, finely brecciated.																								
210.75m to 213.70m:		Basalt dyke.																								
213.70m to 217.85m:		Massive lava ; light grey.																								
217.85m to 218.70m:		Basalt dyke.																								
218.70m to 219.15m:		Massive lava.																								
219.15m to 220.40m:		Basalt dyke.																								
220.40m to 225.35m:		Massive lava ; light grey to grey.																								
225.35m to 225.85m:		Basalt dyke.																								
225.85m to 226.20m:		Massive lava.																								
226.20m to 230.20m:		Basalt dyke.																								
230.20m to 238.45m:		Massive lava ; light grey, partly finely brecciated.																								
238.45m to 239.55m:		Basalt dyke.																								
239.55m to 240.85m:		Basalt dyke.																								
240.85m to 245.60m:		Massive lava ; light grey.																								
245.60m to 247.95m:		Massive lava ; light grey.																								
247.95m to 248.75m:		Basalt dyke.																								
248.75m to 249.15m:		Massive lava ; light grey.																								
249.15m to 250.00m:		Autobrecciated pillow lava.																								

Hole No. MJOY-1 ( 251.10m ; from 250.00 m to 251.10 m )

Depth (m)	Chart	Lithology	Alteration					Mineralization						Sampling		Ore Assay																					
			Silicification	Argilization	Quartz veins	Epideve veins	Epideve dissemi.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcocrite dissemi.	Chalcocrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)														
250		248.95m to 251.10m LASAL UNIT: Autobrecciated pillow lava; light grey.																																			
255																																					
260																																					
265																																					
270																																					
275																																					
280																																					
285																																					
290																																					
295																																					
300																																					

Hole No. MJOY-2 ( 200.35m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization						Sampling		Ore Assay			
			Silicification	Argillization	Quartz veinlets	Epidoite veinlets	Epidoite dissemi.	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veinlets	Sphalerite dissemi.	Sphalerite veinlets	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	
0	[Cross-hatched pattern]	0.00m to 11.90m: LASAIL UNIT: Weathered pillow lava ; Lasail, gossanized stockwork zone.																0.00						
2.00			2.00	0.22	0.8	0.22	0.02																	
4.00			2.00	0.30	1.0	0.29	0.01																	
6.00			2.00	0.19	0.5	0.49	0.01																	
8.00			2.00	0.25	0.5	0.55	0.01																	
10.00			2.00	0.16	0.8	0.56	0.14																	
12.80					2.80	0.13	0.5	0.70	0.02															
13.80					1.00	0.20	1.5	3.08	0.01															
15.80					2.00	0.10	2.3	0.54	0.01															
17.70					1.80	0.13	0.5	0.28	0.01															
19.70			2.00	0.40	1.0	0.78	0.01																	
21.70			2.00	0.13	1.3	1.40	0.01																	
23.70			2.00	0.20	2.3	3.30	0.01																	
25.70			2.00	0.12	1.0	1.72	0.01																	
27.70			2.00	0.25	2.0	0.90	0.01																	
29.70			2.00	0.15	2.5	0.73	0.01																	
31.70			2.00	0.12	2.8	1.27	0.01																	
33.70			2.00	0.10	1.5	1.23	0.01																	
35.70			2.00	0.16	2.5	0.67	0.01																	
37.70			2.00	0.11	1.0	0.56	0.01																	
39.70			2.00	1.20	1.0	0.70	0.01																	
41.70			2.00	0.30	2.3	0.65	0.01																	
43.70			2.00	0.14	0.8	0.48	0.01																	
45.70			2.00	2.40	2.5	0.84	0.01																	
47.70			2.00	0.30	1.0	0.65	0.01																	
49.70			2.00	0.10	0.8	0.64	0.02																	

Hole No. MJOY-2 ( 200.35m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization							Sampling		Ore Assay					
			Silicification	Argillization	Quartz veinlets	Epidote veinlets	Epidote dissemt.	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemt.	Chalcopyrite dissemt.	Chalcopyrite veinlets	Sphalerite dissemt.	Sphalerite veinlets	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	
50		11.90m to 86.50m: LASAIL UNIT: Pillow lava : Lasail, light grey, most of veinlets ore found in interpillows, veinlets width:2mm to 50mm ; 11.90m to 12.80m and 13.80m to 17.70m: gossanized stockwork zone.															51.70	2.00	0.50	0.5	0.47	0.01		
																			53.70	2.00	0.60	0.5	0.48	0.01
55																			55.70	2.00	0.14	1.3	0.93	0.01
																			57.70	2.00	0.10	1.8	1.31	0.01
																			59.70	2.00	0.40	1.3	0.86	0.01
60																			59.70	2.00	0.90	2.8	2.50	0.01
																			61.70	2.00	0.14	1.0	0.78	0.01
																			63.70	2.00	0.36	0.8	0.82	0.01
65																			65.70	2.00	0.10	1.0	0.68	0.01
																			67.70	2.00	0.30	0.8	0.54	0.01
70																			69.70	2.00	0.50	0.5	0.42	0.01
																			71.70	2.00	0.10	0.8	0.15	0.01
																			73.70	2.00	0.60	0.5	0.18	0.01
75																			75.70	2.00	0.13	0.8	0.51	0.02
																			77.70	2.00	0.20	1.0	0.57	0.01
80																			79.70	2.00	0.45	1.8	0.32	0.01
																			81.70	2.00	0.30	2.0	0.28	0.01
																			83.70	2.00	0.10	2.0	0.31	0.02
85																			85.70	2.00	0.33	2.0	0.34	0.02
																			87.70	2.00	0.17	2.3	0.95	0.03
90																	89.70	2.00	1.07	1.8	0.33	0.02		
																	91.70	2.00	0.26	2.0	0.43	0.02		
																	93.70	2.00	0.15	2.0	0.40	0.02		
95																	95.70	2.00	0.10	1.5	0.22	0.02		
																	97.70	2.00	0.10	1.8	0.45	0.02		
100																								

Hole No. MJOY-2 ( 200.35m ; from 100.00 m to 150.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization					Sampling		Ore Assay			
			Silicification	Argilization	Quartz veins	Epidote veins	Epidote dissemi.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcoprite dissemi.	Chalcoprite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)
100		98.75m to 110.80m: LASAIL UNIT: Pillow lava ; Lasail, light grey to grey.																100.00	2.00	0.80	1.8	0.55	0.03
101.70																		101.70	2.00	0.20	1.8	0.11	0.02
103.70																		103.70	2.00	0.44	2.3	0.18	0.02
105																		105.70	2.00	0.05	2.3	0.43	0.02
107.70																		107.70	2.00	0.27	1.8	0.13	0.02
110		110.80m to 112.10m: LASAIL UNIT: Pillow lava ; Lasail, greenish grey, with variole texture																109.70	2.00	0.19	1.8	0.22	0.02
111.70																		111.70	2.00	0.15	2.5	0.79	0.03
115		112.10m to 162.20m: LASAIL UNIT: Pillow lava ; grey ; 118.85m to 120.05m:with variole texture																113.70	2.00	0.10	2.0	0.34	0.02
115.70																		115.70	2.00	0.21	2.5	0.66	0.03
117.70																		117.70	2.00	0.12	1.0	0.55	0.03
120																		119.70	2.00	0.53	2.0	0.22	0.03
121.70																		121.70	2.00	0.37	1.3	0.43	0.02
123.70																		123.70	2.00	0.37	1.3	0.23	0.02
125																		125.70	2.00	1.01	1.5	0.45	0.03
127.70																		127.70	2.00	0.03	1.4	0.18	0.02
129.70																		129.70	2.00	0.08	1.3	0.27	0.03
130																		131.70	2.00	0.21	1.5	0.15	0.02
133.70																		133.70	2.00	0.19	1.5	0.32	0.03
135																		135.70	2.00	0.11	1.1	0.10	0.02
137.70																		137.70	2.00	0.69	1.0	0.18	0.02
140																		139.70	2.00	0.13	7.2	0.43	0.02
141.70																		141.70	2.00	0.21	1.4	0.19	0.02
143.70																		143.70	2.00	0.21	1.7	1.04	0.03
145																		145.70	2.00	0.64	1.2	0.16	0.02
147.70																		147.70	2.00	0.16	1.0	0.10	0.01
150																							

Hole No. MJOY-2 ( 200.35m ; from 150.00 m to 200.35 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization					Sampling		Ore Assay							
			Silicification	Argillization	Quartz veins	Epido. veins	Epido. disse.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Sphalerite disse.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	
150	[Cross-hatched pattern]	112.10m to 162.20m: LASAIL UNIT: Pillow lava ; grey ; 118.85m to 120.05m: with varieole texture																						
151.70			2.00	0.11	1.2	0.24	0.03																	
153.70			2.00	0.08	1.3	0.41	0.02																	
155.70			2.00	0.42	1.3	0.22	0.02																	
157.70			2.00	1.50	1.2	0.22	0.02																	
160.75			3.05	0.75	1.7	0.40	0.02																	
162.20	[V-shaped pattern]	162.20m to 164.90m: Massive lava ; light grey.																						
164.90	[Cross-hatched pattern]	164.90m to 167.60m: LASAIL UNIT: Pillow lava ; light grey.																						
167.60	[V-shaped pattern]	167.60m to 169.90m: Massive lava ; light grey.																						
169.90	[Cross-hatched pattern]	169.90m to 197.80m: LASAIL UNIT: Pillow lava ; Lasail, light grey, small size pillows with thick interpillows, with varieole texture in places, pyrite dissemination is intense in interpillows.																						
197.80	[Triangle pattern]	197.80m to 200.35m: LASAIL UNIT: Autobrecciated pillow lava ; light grey.																						

Hole No. MJOY-3 ( 251.10m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration								Mineralization							Sampling		Ore Assay							
			Silicification	Argillization	Quartz veins	Epithela veins	Epithela veins dissemi.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)				
0		0.00m to 17.15m: LASAIL UNIT: Pillow lava ; light greenish grey to greenish grey with amygdaloidal texture.																									
5																											
10																											
15																											
20			17.15m to 22.30m: Massive lava ; light greenish grey, with amygdaloidal texture.																								
25			22.30m to 23.80m: LASAIL UNIT: Pillow lava ; light greenish grey.																								
30			23.80m to 28.70m: Massive lava ; light greenish grey.																								
35			28.70m to 29.85m: LASAIL UNIT: Pillow lava.																								
40			29.85m to 30.10m: Fracture zone.																								
45			30.10m to 30.70m: LASAIL UNIT: Pillow lava.																								
		30.70m to 34.15m: Massive lava ; with amygdaloidal texture.																									
50		34.15m to 43.70m: LASAIL UNIT: Pillow lava ; amygdaloidal texture in places.																									
		43.70m to 45.20m: Massive lava ; light greenish grey, with amygdaloidal.																									
		45.20m to 62.50m: LASAIL UNIT: Pillow lava ; light greenish grey, with amygdaloidal texture in places.																									



Hole No. MJOY-3 ( 251.10m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization							Sampling		Ore Assay					
			Silicification	Argillization	Quartz veins	Episodic veins	Episodic veins	Episodic veins	Calcite veins	Massive Sulfide	Stockwork	Pyrite veins	Pyrite dissemin.	Chalcopyrite dissemin.	Chalcopyrite veins	Sphalerite dissemin.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)			
50		45.20m to 62.50m: LASAIL UNIT; Pillow lava ; light greenish grey, with amygdaloidal texture in places.																									
62.50		62.50m to 71.50m: LASAIL UNIT; Pillow lava ; purplish grey and greenish grey.																									
71.50		71.50m to 76.20m: Massive lava ; greenish grey, with amygdaloidal texture.																									
76.20		76.20m to 79.70m: LASAIL UNIT; Pillow lava ; purplish grey.																									
79.70		79.70m to 88.65m: LASAIL UNIT; Pillow lava ; light greenish grey, strong chloritization in interpillows. 87.15m to 88.65m ; with variole texture.																									
88.65		88.65m to 103.20m: LASAIL UNIT; Pillow lava ; purplish grey pillows and dark green interpillows, with variole texture (88.65m to 92.40m), Strong chloritization in interpillows.																									
100																											

Hole No. MJOY-3 ( 251.10m ; from 100.00 m to 150.00 m )

Depth (m)	Chart	Lithology	Alteration								Mineralization								Sampling		Ore Assay								
			Silicification	Argillization	Quartz veins	Epidoite veins	Epidoite dissem.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissem.	Chalcopyrite dissem.	Chalcopyrite veins	Sphalerite dissem.	Sphalerite veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)						
100		88.85m to 103.20m: LASAIL UNIT: Pillow lava; purplish grey pillows and dark green interpillows, with varicose texture (88.85m to 92.40m), Strong chloritization in interpillows.																											
103.20		103.20m to 121.23m: LASAIL UNIT: Pillow lava; greenish grey to light greenish grey, with varicose texture, with strong chloritization in interpillows., 111.30m to 111.40m: calcite vein.																											
105																													
110																													
115																													
120																													
121.23		121.23m to 121.27m: Fault; 35deg. to core axis.																											
121.27		121.27m to 123.70m: Brown to greenish brown massive lava.																											
123.70		123.70m to 126.40m: LASAIL UNIT: Pillow lava, greenish grey.																											
126.40		126.40m to 136.48m: LASAIL UNIT: Pillow lava; light grey, calcite predominant in interpillows, calcite also filling in minor fractures.																											
130																													
136.48		136.48m to 136.52m: Fracture filled by calcite, 25deg. to core axis.																											
136.52		136.52m to 142.80m: LASAIL UNIT: Pillow lava; light grey, calcite predominant in interpillows, calcite also filling in minor fractures.																											
140																													
142.80		142.80m to 143.90m: Fracture filled by calcite, 25deg. to core axis.																											
143.90		143.90m to 159.38m: LASAIL UNIT: Pillow lava; light grey, calcite predominant in interpillows, calcite also filling in minor fractures.																											
145																													
150																													

Hole No. MJOY-3 ( 251.10m ; from 150.00 m to 200.00 m )

Depth (m)	Chart	Lithology	Alteration			Mineralization							Sampling		Ore Assay									
			Silicification	Argillization	Quartz veins	Epithermal veins	Epithermal dissemi.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	
150		143.90m to 159.38m: LASAIL UNIT: Pillow lava ; light grey, calcite predominant in interpillows, calcite also filling in minor fractures.																						
155																								
160		159.38m to 159.42m: Fault : 45deg. to core axis. 159.42m to 199.38m: LASAIL UNIT: Pillow lava (Gootimes) : greenish grey to light grey.																						
165																								
170																								
175																								
180																								
185																								
190																								
195																								
200		199.42m to 206.98m: LASAIL UNIT: Pillow lava ; light greenish grey to light grey.																						

Hole No. MJOY-3 ( 251.10m ; from 200.00 m to 251.10 m )

Depth (m)	Chart	Lithology	Alteration											Mineralization					Sampling		Ore Assay			
			Silicification	Argillization	Quartz veins	Epidoce veins	Epidoce veins	Epidoce veins	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)
200	LASAIL UNIT: Pillow lava ; light greenish grey to light grey.	LASAIL UNIT: Pillow lava ; light greenish grey to light grey.																201.15	1.30	0.16	0.6	0.16	0.01	
201.15			1.30	0.16	0.6	0.16	0.01																	
202.15			1.00	0.69	2.1	5.43	0.03																	
202.15			1.00	0.69	2.1	5.43	0.03																	
203.10			0.95	0.69	2.2	5.66	0.03																	
203.10			0.95	0.69	2.2	5.66	0.03																	
204.70			1.60	0.32	0.8	0.99	0.01																	
204.70			1.60	0.32	0.8	0.99	0.01																	
206.70			2.00	0.16	0.6	0.07	0.00																	
206.70			2.00	0.16	0.6	0.07	0.00																	
207.02m to 207.02m: Fracture.																								
207.02m to 210.05m: LASAIL UNIT: Pillow lava ; light grey to grey.																								
207.02m to 210.05m: LASAIL UNIT: Pillow lava ; light grey to grey.																								
210.05m to 211.50m: Hyaloclastite.																								
210.05m to 211.50m: Hyaloclastite.																								
211.50m to 232.90m: LASAIL UNIT: Pillow lava ; grey to light grey, variate texture in 216.85m to 232.90m.																								
211.50m to 232.90m: LASAIL UNIT: Pillow lava ; grey to light grey, variate texture in 216.85m to 232.90m.																								
210.70			2.00	0.08	0.5	0.07	0.01																	
210.70			2.00	0.08	0.5	0.07	0.01																	
211.80			1.10	0.19	0.5	0.01	0.01																	
211.80			1.10	0.19	0.5	0.01	0.01																	
212.80			1.00	0.67	0.6	0.64	0.01																	
212.80			1.00	0.67	0.6	0.64	0.01																	
213.80			1.00	0.19	0.5	0.10	0.01																	
213.80	1.00	0.19	0.5	0.10	0.01																			
214.80	1.00	0.43	0.9	2.83	0.01																			
214.80	1.00	0.43	0.9	2.83	0.01																			
216.20	1.40	0.19	0.6	1.07	0.01																			
216.20	1.40	0.19	0.6	1.07	0.01																			
220																								
221.90	2.00	0.11	0.5	0.23	0.02																			
221.90	2.00	0.11	0.5	0.23	0.02																			
223.90	2.00	0.11	0.6	0.09	0.01																			
223.90	2.00	0.11	0.6	0.09	0.01																			
225.90	2.00	0.11	0.6	0.09	0.01																			
225.90	2.00	0.11	0.6	0.09	0.01																			
230																								
232.90m to 237.60m: Hyaloclastite ; light grey.																								
232.90m to 237.60m: Hyaloclastite ; light grey.																								
235																								
237.60m to 251.10m: LASAIL UNIT: Pillow lava ; light grey with dark grey interpillows, intense chloritization in interpillows.																								
237.60m to 251.10m: LASAIL UNIT: Pillow lava ; light grey with dark grey interpillows, intense chloritization in interpillows.																								
240.50	1.00	0.21	2.4	0.18	0.01																			
240.50	1.00	0.21	2.4	0.18	0.01																			
241.50	1.00	0.24	0.6	0.43	0.01																			
241.50	1.00	0.24	0.6	0.43	0.01																			
242.50	1.00	0.53	0.7	0.61	0.02																			
242.50	1.00	0.53	0.7	0.61	0.02																			
243.50	1.95	0.16	0.6	0.25	0.02																			
243.50	1.95	0.16	0.6	0.25	0.02																			
245.45																								
245.45																								
250																								

Hole No. MJOY-4 ( 200.10m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration					Mineralization					Sampling		Ore Assay									
			Silicification	Argillization	Quartz veinlets	Epidote veinlets	Epidote dissemi.	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemi.	Chalcocrite dissemi.	Chalcocrite veinlets	Sphalerite dissemi.	Sphalerite veinlets	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	
0		0.00m to 9.05m: LASAL UNIT: Pillow lava; moderately weathered, oxidized part. Strong silicification in interpillows.																						
9.05		9.05m to 43.45m: LASAL UNIT: Pillow lava; light grey, oxidized part till 14.05m.																						
15.60																								
17.60																								
19.60																								
21.10																								
23.10																								
25.30																								
27.30																								
29.30																								
31.30																								
33.30																								
35.30																								
37.30																								
39.30																								
41.30																								
43.45		43.45m to 45.15m: Basalt dyke.																						
45.15		45.15m to 94.05m: LASAL UNIT: Pillow lava; light grey, oxidized part till 14.05m.																						
50.00																								

Hole No. MJOY-4 ( 200.10m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration								Mineralization								Sampling		Ore Assay																																																																								
			Silicification	Argilization	Quartz veins	Epidoite veins	Epidoite dissemi.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)																																																																						
50		45.15m to 94.05m: LASAIL UNIT: Pillow lava, light grey, oxidized part till 14.05m.  94.05m to 96.40m: Massive lava: Light grey.  96.40m to 99.40m: LASAIL UNIT: Pillow lava, 97.23m to 97.65m: with variolite texture.  99.40m to 102.60m: Massive lava: Light grey.																																																																																											
55																																																																																													
60																																																																																													
65																																																																																													
70																																																																																													
75																																																																																													
80																																																																																													
85																																																																																													
90																																																																																													
95																																																																																													
100																																																																																													

Hole No. MJOY-4 ( 200.10m ; from 100.00 m to 150.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization							Sampling		Ore Assay									
			Silicification	Argillization	Quartz veinlets	Epidoce veinlets	Epidoce dissemt.	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemt.	Chalcopyrite dissemt.	Chalcopyrite veinlets	Sphalerite dissemt.	Sphalerite veinlets	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)								
100		99.40m to 102.60m: Massive lava: Light grey.																													
105		102.60m to 114.70m: LASAIL UNIT: Pillow lava: light grey, with variole texture.																													
115		114.70m to 117.00m: Massive lava: Light grey.																													
120		117.00m to 123.35m: LASAIL UNIT: Pillow lava: light grey, with variole texture (117.00m to 119.65m).																													
125		123.35m to 126.96m: Massive lava: Light grey.																													
130		126.96m to 130.25m: LASAIL UNIT: Pillow lava: light grey to grey.																													
132.70		130.25m to 130.55m: Basalt dyke.																													
135		130.55m to 132.70m: Massive lava: Light grey.																													
137.15		132.70m to 148.70m: LASAIL UNIT: Pillow lava: light grey to grey, with variole texture.																													
140		148.70m to 151.40m: Massive lava: Light grey.																													
131.15																															

Hole No. MJOY-4 ( 200.10m ; from 150.00 m to 200.10 m )


Depth (m)	Chart	Lithology	Alteration								Mineralization						Sampling		Ore Assay										
			Silification	Argillization	Quartz veins	Epidote veins	Epidote dissemt.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemt.	Chalcopyrite dissemt.	Chalcopyrite veins	Sphalerite dissemt.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)						
150		148.70m to 151.40m: Massive lava: Light grey.																											
		151.40m to 152.40m: LASAL UNIT: Pillow lava: light grey, with variole texture.																											
		152.40m to 153.55m: Basalt dyke.																											
155		153.55m to 155.90m: Basalt dyke.																											
		155.90m to 160.90m: LASAL UNIT: Pillow lava: light grey.																											
160		160.90m to 165.45m: Massive lava: Light grey.																											
165		165.45m to 168.90m: LASAL UNIT: Pillow lava: light grey.																											
		168.20m to 169.80m: Massive lava: Light grey.																											
170		169.80m to 186.50m: LASAL UNIT: Pillow lava: light grey, brecciated in places. 178.40m to 186.50m; with variole texture.																											
175																													
180																													
185																													
		186.50m to 186.85m: Sheared zone.																											
		186.85m to 188.30m: LASAL UNIT: Brecciated pillow lava: light grey.																											
190		188.30m to 200.10m: LASAL UNIT: Pillow lava: light grey, brecciated in places. 196.70m to 197.10m; sheared.																											
195																													
200																													



Hole No. MJOY-5 ( 250.10m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration				Mineralization							Sampling		Ore Assay										
			Silicification	Argillization	Quartz veinlets	Epidote veinlets	Epideite dissemi.	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veinlets	Sphalerite dissemi.	Sphalerite veinlets	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)			
0		0.00m to 2.00m: Sludge:																								
2		2.00m to 7.40m: LASAIL UNIT: Pillow lava; moderately weathered.																								
7.40		7.40m to 29.10m: LASAIL UNIT: Pillow lava; brownish grey to greenish grey, amygdaloidal texture in places, with thin interpillows. 23.35m to 23.45m: fractures filled by calcite, 30 degree to core axis. 27.30m to 29.10m: dominant in fractures, filled in calcite.																								
29.10		29.10m to 36.55m: LASAIL UNIT: massive lava, grey color.																								
36.55		36.55m to 40.20m: LASAIL UNIT: Pillow lava; brownish grey color, amygdaloidal texture in places.																								
40.20		40.20m to 45.45m: LASAIL UNIT: massive lava, greenish grey color with sheared part at 40.95m, 42.55m, 45.40m.																								
45.45		45.45m to 50.00m: LASAIL UNIT: Pillow lava; brownish grey to greenish grey, amygdaloidal texture in places.																								
50																										

Hole No. MJOY-5 ( 250.10m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization							Sampling		Ore Assay						
			Silification	Argillization	Quartz veins	Epidote veins	Epidote dissemi.	Calcic veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcoprite dissemi.	Chalcoprite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)		
50		45.45m to 58.50m: LASAIL UNIT: Pillow lava; brownish grey to greenish grey, amygdaloidal texture in places.																							
55																									
60		58.50m to 67.30m: LASAIL UNIT: massive lava, grey color.																							
65																									
70		67.30m to 77.50m: LASAIL UNIT: Pillow lava; brownish grey color, amygdaloidal texture in places.																							
75																									
80	77.50m to 79.65m: LASAIL UNIT: massive lava, grey color.																								
85	79.65m to 117.70m: LASAIL UNIT: Pillow lava; reddish brown color, with dark green interpillows.																								
90																									
95																									
100																									

Hole No. MJOY-5 ( 250.10m ; from 100.00 m to 150.00 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization					Sampling		Ore Assay												
			Silicification	Argilization	Quartz veins	Epitaxial veins	Epitaxial veins	Epitaxial veins	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissement.	Chalcopyrite dissement.	Chalcopyrite veins	Sphalerite dissement.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)					
100		79.65m to 117.70m: LASAIL UNIT: Pillow lava; reddish brown color, with dark green interpillows.																											
105																													
110																													
115																													
117.70		117.70m to 119.40m: LASAIL UNIT: Pillow lava; light green, strongly chloritized.																											
119.40		119.40m to 119.80m: Fault zone: 20 degrees to core axis, filled by quartz.																											
119.80		119.80m to 122.15m: LASAIL UNIT: Autobrecciated pillow lava; light greenish grey, finely brecciated.																											
122.15		122.15m to 150.10m: LASAIL UNIT: Pillow lava; light grey to grey.																											
120.25																					2.00	2.00	0.03	1.7	0.20	0.02			
122.25																					2.00	2.00	N.D.	1.0	0.02	0.03			
124.25																					2.00	2.00	0.08	1.1	0.15	0.10			
126.25																					2.00	2.00	0.03	1.0	0.05	0.05			
128.25																					2.00	2.00	0.03	0.9	0.07	0.03			
130.25																					2.00	2.00	0.05	2.1	0.29	0.04			
132.25																					2.00	2.00	0.11	2.3	0.39	0.05			
134.25																					2.00	2.00	0.01	1.2	0.04	0.05			
136.25																					2.00	2.00	N.D.	1.2	0.07	0.02			
138.25																					2.00	2.00	0.08	1.3	0.36	0.02			
140.25																					2.00	2.00	N.D.	1.2	0.04	0.01			
142.25																					2.00	2.00	0.06	1.2	0.62	0.03			
144.25																					2.00	2.00	0.06	2.9	0.05	0.03			
146.25																					2.80	2.80	0.20	1.6	1.06	0.03			
149.05																													

Hole No. MJOY-5 ( 250.10m ; from 150.00 m to 200.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization					Sampling		Ore Assay						
			Silicification	Argilization	Quartz veins	Epidote veins	Epidote dissemi.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)			
150		122.15m to 150.10m: LASAIL UNIT: Pillow lava; light grey to grey.																								
		150.10m to 151.20m: Dolerite to micro gabbroic sheet flow																								
		151.20m to 153.10m: Basalt dyke.																								
155		153.10m to 153.90m: Dolerite sheet flow.																								
		153.90m to 154.70m: Basalt dyke.																								
		154.70m to 155.55m: Dolerite sheet flow.																								
		155.55m to 157.60m: Basalt dyke.																								
160		157.60m to 159.15m: Dolerite sheet flow.																								
		159.15m to 161.90m: Basalt dyke.																								
		161.90m to 167.20m: Dolerite to micro gabbroic sheet flow																								
165																										
170		167.20m to 184.45m: LASAIL UNIT: Pillow lava; light grey to grey.																								
175																										
180																										
185		184.45m to 184.70m: Sheared zone.																								
		184.70m to 250.10m: LASAIL UNIT: Pillow lava; light grey, with brecciated part.																								
190																										
195																										
200																										

Hole No. MJOY-5 ( 250.10m ; from 200.00 m to 250.10 m )

Depth (m)	Chart	Lithology	Alteration									Mineralization							Sampling		Ore Assay									
			Silicification	Argillization	Quartz veins	Epidoite veins	Epidoite dissemi.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)							
200		184.70m to 250.10m: LASAIL UNIT; Pillow lava; light grey, with brecciated part.																												
205																														
210																														
215																														
220																														
225																														
230																														
235																														
240																														
245																														
250																														

Hole No. MJOY-6 ( 250.65m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration								Mineralization						Sampling		Ore Assay					
			Silicification	Argillization	Quartz veins	Epithal veins	Epithal veins	Epithal veins	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemt.	Chalcoprite dissemt.	Chalcoprite veins	Sphalerite dissemt.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)
0	[Cross-hatched pattern]	0.00m to 22.65m: LASAIL UNIT: Pillow lava, light grey, with oxidized Cu-Fe veinlets.																0.00						
2.00			0.01	1.2	0.28	0.01												2.00						
4.00			0.01	1.1	0.31	0.01													2.00					
6.00			0.04	2.2	0.26	0.01													2.00					
8.00			0.06	1.8	0.29	0.01													2.00					
9.20			0.03	1.9	0.86	0.01													1.20					
11.20			0.12	2.3	0.91	0.01													2.00					
13.20			0.11	2.2	0.12	0.01													2.00					
15.20			0.05	2.3	1.07	0.00													2.00					
17.20			0.03	2.3	0.67	0.00													2.00					
19.20			0.11	2.3	1.19	0.00													2.00					
21.20			0.11	2.1	0.41	0.00													2.00					
23.35	0.10	2.1	0.33	0.00													2.15							
25.35	0.17	2.1	0.13	0.00													2.00							
27.35	0.14	2.2	0.29	0.00													2.00							
29.35	0.15	2.3	0.93	0.00													2.00							
31.35	0.06	2.2	0.92	0.00													2.00							
33.35	0.02	2.1	0.08	0.00													2.00							
35.35	0.03	6.5	0.20	0.00													2.00							
37.35	0.05	2.2	0.40	0.00													2.00							
39.35	0.12	2.2	0.16	0.00													2.00							
41.35	0.18	2.2	0.83	0.01													2.00							
43.35	0.16	2.4	0.72	0.00													2.00							
45.35	0.09	11.0	0.18	0.00													2.00							
47.35	0.12	13.0	0.17	0.00													2.00							
49.35	0.11	1.9	0.06	0.00													2.00							
50	[Cross-hatched pattern]	48.45m to 54.35m: Massive Lava; grey, medium grained.																49.35						

Hole No. MJOY-6 ( 250.65m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization						Sampling		Ore Assay							
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote dissemt.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemt.	Chalcopyrite dissemt.	Chalcopyrite veins	Sphalerite dissemt.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)		
50	V	48.45m to 54.35m: Massive Lava; grey, medium grained.															51.35	2.00	0.11	2.2	0.29	0.00			
																		53.35	2.00	0.04	16.6	0.12	0.01		
55			C	54.35m to 66.75m: LASAIL UNIT: Pillow lava, light grey to grey.															55.35	2.00	0.11	2.1	0.09	0.00	
																				57.35	2.00	0.13	16.8	0.47	0.01
																					59.35	2.00	0.02	1.9	0.02
																			61.35	2.00	0.05	1.7	0.02	0.00	
																			63.35	2.00	0.05	14.0	0.18	0.00	
60	C	66.75m to 72.05m: Massive Lava; grey.															65.35	2.00	0.02	2.7	0.23	0.00			
																		67.35	2.00	0.04	30.5	0.20	0.00		
																			69.35	2.00	0.04	27.3	0.21	0.00	
																			71.35	2.00	0.02	9.0	<0.01	0.00	
																			73.35	2.00	0.03	2.0	0.24	0.00	
65	C	72.05m to 84.40m: LASAIL UNIT: Pillow lava, grey to light grey.															75.35	2.00	0.02	1.9	0.32	0.00			
																		77.35	3.00	0.04	2.2	0.42	0.00		
																			79.35	2.00	0.04	2.2	0.33	0.00	
																			81.35	1.80	0.19	2.2	0.75	0.01	
																			83.35	2.00	0.03	1.6	0.34	0.00	
70	V	84.40m to 96.80m: Massive Lava; light grey.															84.15	2.00	0.03	1.9	0.28	0.00			
																		86.15	2.00	0.03	1.9	0.28	0.00		
																			88.15	2.00	0.05	2.4	0.12	0.00	
																			90.15	2.00	0.04	2.5	0.29	0.00	
																			92.15	2.00	0.03	2.4	0.34	0.00	
75	V	96.80m to 113.40m: LASAIL UNIT: Pillow lava, light grey to grey.															94.15	2.00	0.04	2.4	0.25	0.00			
																		96.15	2.00	0.05	2.2	0.11	0.00		
																			98.15	2.00	0.04	4.2	0.34	0.00	
																			100.00	2.00	0.10	2.7	0.57	0.00	

Hole No. MJOY-6 ( 250.65m ; from 100.00 m to 150.00 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization						Sampling		Ore Assay				
			Silicification	Argillization	Quartz veins	Epitole veins	Epitole dissemi.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)
100	[Pattern]	98.80m to 113.40m: LASAIL UNIT: Pillow lava, light grey to grey.															100.15					
																	2.00	0.11	9.6	0.48	0.00	
102.15																	2.00	0.18	2.5	1.00	0.00	
104.15																	2.00	0.06	2.3	0.84	0.00	
106.15																	2.00	0.03	2.2	0.50	0.00	
108.15																	2.00	0.02	1.9	0.09	0.00	
110.15																	2.00	0.01	1.9	0.02	0.00	
112.15																	2.00	0.01	2.3	0.19	0.00	
114.15																	2.00	0.04	1.7	0.51	0.00	
116.15																	2.00	0.02	1.7	0.39	0.00	
118.15	2.00	0.01	1.5	0.24	0.00																	
120.15	2.00	0.05	1.7	1.45	0.00																	
122.15	2.00	0.05	1.6	0.48	0.00																	
124.15	2.00	0.06	2.3	0.37	0.00																	
126.15	2.00	0.03	1.4	0.26	0.00																	
128.15	2.00	0.07	1.7	0.69	0.00																	
130.15	2.00	0.11	1.6	0.69	0.01																	
132.15	2.00	0.04	1.5	0.75	0.00																	
134.15	2.00	0.04	1.4	0.74	0.00																	
136.15	2.00	0.19	6.3	4.27	0.01																	
138.15	2.00	0.02	1.3	0.63	0.00																	
140.15	2.00	0.01	1.2	0.08	0.00																	
142.15	2.00	0.02	1.9	0.43	0.00																	
144.15	2.00	0.04	2.3	1.11	0.01																	
146.15	2.00	0.03	1.7	0.48	0.00																	
148.15	2.00	0.01	1.7	0.27	0.00																	
150																						



Hole No. MJOY-6 ( 250.65m ; from 150.00 m to 200.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization						Sampling		Ore Assay			
			Silicification	Argillization	Quartz veins	Epithermal veins	Epithermal veins	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemin.	Chalcopyrite dissemin.	Chalcopyrite veins	Sphalerite dissemin.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	
150		145.00m to 165.35m: LASAIL UNIT: Pillow lava, grey to light grey.																150.15	2.00	0.03	2.2	0.63	0.01	
																		152.15	2.00	0.03	2.7	0.80	0.02	
155																		154.15	2.00	<0.01	2.1	0.43	0.01	
																		158.15	2.00	0.02	2.0	0.39	0.01	
																		158.15	2.00	0.08	2.6	1.02	0.01	
160																		160.15	2.00	0.08	2.5	1.08	0.01	
																		162.15	2.00	0.02	1.9	0.68	0.01	
																		164.15	0.90	0.09	2.6	0.94	0.01	
165		165.05m to 165.35m: Sheared zone.																165.05						
		165.35m to 167.90m: LASAIL UNIT: Pillow lava, grey to light grey.																						
		167.90m to 169.35m: Massive Lava; grey, medium grained.																						
170		169.35m to 172.35m: LASAIL UNIT: Pillow lava, grey to light grey.																						
		172.35m to 175.60m: Massive Lava; grey, medium grained.																						
175		175.60m to 189.40m: LASAIL UNIT: Pillow lava, light grey.																						
180																								
185																								
190		189.40m to 191.70m: Massive Lava; grey, medium grained.																						
		191.70m to 195.95m: LASAIL UNIT: Pillow lava, grey to light grey.																						
195		195.95m to 198.00m: Basalt dyke.																						
		198.00m to 198.85m: Massive Lava; grey, medium grained.																						
200		198.85m to 202.60m: Basalt dyke.																						

Hole No. MJOY-6 ( 250.65m ; from 200.00 m to 250.65 m )

Depth (m)	Chart	Lithology	Alteration						Mineralization					Sampling		Ore Assay										
			Silification	Argillization	Quartz veins	Epidote veins	Epidote disse.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Sphalerite disse.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)			
200		198.85m to 202.60m: Basalt dyke.																								
		202.60m to 203.65m: Massive Lava; grey, medium grained.																								
205		203.65m to 205.35m: Basalt dyke.																								
		205.35m to 208.40m: Massive Lava; grey, medium grained.																								
		208.40m to 209.60m: Basalt dyke.																								
210		209.60m to 210.80m: Hyaloclastite.																								
		210.80m to 215.05m: Basalt dyke.																								
215		215.05m to 228.15m: LASAIL UNIT: Pillow lava, light grey to grey.																								
220																										
225																										
230		228.15m to 231.75m: Basalt dyke.																								
		231.75m to 233.30m: Massive Lava; grey, medium grained.																								
235		233.30m to 246.10m: LASAIL UNIT: Pillow lava, light grey to grey.																								
240																										
245																										
250		246.10m to 250.65m: Massive Lava; grey.																								

Hole No. MJOY-7 ( 250.60m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration			Mineralization						Sampling		Ore Assay										
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote dissemi.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphaerite dissemi.	Sphaerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	
0		0.00m to 2.50m: Sludge																						
2.50		2.50m to 3.50m: Wadi sediments																						
3.50		3.50m to 11.30m: LASAIL UNIT: weathered pillow lava																						
11.30		11.30m to 25.50m: LASAIL UNIT: pillow lava; grey. 17.35m to 19.55m: massive pyrite with minor chalcopyrite.																						
14.90																								
16.90																								
18.90																								
20.90																								
22.90																								
24.90																								
26.50		25.50m to 27.50m: LASAIL UNIT: brecciated pillow lava; greenish grey.																						
27.50		27.50m to 53.00m: LASAIL UNIT: pillow lava; light greenish grey to greenish grey.																						
29.50																								
31.50																								
33.50																								
35.50																								
37.50																								
39.50																								
40.50																								
48.80																								

Hole No. MJOY-7 ( 250.60m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration											Mineralization							Sampling		Ore Assay									
			Silicification	Argillization	Quartz veinsts	Epidote veinsts	Epidote dissemt.	Calcite veinsts	Massive Sulphide	Stockwork	Pyrite veinsts	Pyrite dissemt.	Chalcopyrite dissemt.	Chalcopyrite veinsts	Sphalerite dissemt.	Sphalerite veinsts	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)									
50		27.50m to 53.00m: LASAIL UNIT: pillow lava; light greenish grey to greenish grey.																				50.80										
		52.00m to 59.70m: LASAIL UNIT: pillow lava; grey to dark greenish grey. 59.10 to 59.70m: abundant hematite in matrix.																					52.80	2.00	0.05	3.4	0.09	0.01				
55																							54.80	2.00	0.04	2.2	0.03	0.03				
		59.70m to 63.50m: Massive lava; grey																														
		63.50m to 65.00m: Brecciated lava.																														
65		65.00m to 68.90m: LASAIL UNIT: pillow lava; grey.																														
		68.90m to 71.10m: Massive lava; grey																														
70		71.10m to 73.30m: LASAIL UNIT: pillow lava; grey.																					71.00	2.00	0.04	1.8	0.12	0.04				
		73.30m to 75.35m: Massive lava; grey																					73.00	2.00	0.03	2.0	0.20	0.02				
75		75.35m to 82.90m: LASAIL UNIT: pillow lava; grey.																					75.00	2.10	0.03	2.5	0.31	0.03				
																							77.10	2.00	0.01	2.1	0.03	0.02				
80																							79.10	2.00	0.02	5.0	0.08	0.02				
		82.90m to 87.30m: Massive lava; grey, medium grained.																					81.10	2.25	0.04	2.3	0.20	0.02				
85																							83.35									
		87.30m to 88.65m: Basalt dyke.																														
		88.65m to 90.05m: Massive lava; grey, medium grained.																														
90		90.05m to 90.50m: Basalt dyke.																														
		90.50m to 91.35m: Massive lava; grey, medium grained.																					90.95	2.00	0.02	1.8	0.11	0.01				
		91.35m to 98.80m: LASAIL UNIT: brecciated pillow lava; grey.																					92.95	2.00	0.04	1.8	0.20	0.01				
95																							94.95	2.00	0.03	2.0	0.39	0.01				
																							96.95	2.00	0.02	2.0	0.22	0.01				
100		98.80m to 103.80m: Massive lava; grey, medium grained.																					98.95									

Hole No. MJOY-7 ( 250.60m ; from 100.00 m to 150.00 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization					Sampling		Ore Assay						
			Silicification	Argillization	Quartz veinlets	Epidote veinlets	Epidote dissemi.	Calcite veinlets	Massive Sulfide	Stockwork	Pyrite veinlets	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veinlets	Sphalerite dissemi.	Sphalerite veinlets	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)
100		98.80m to 103.80m: Massive lava; grey, medium grained.															101.00	2.05	0.02	1.9	0.20	0.01	
105		103.80m to 107.00m: Sheared and brecciated pillow lava.																					
110		107.00m to 139.20m: LASAIL UNIT: pillow lava; grey. Below 125.65m: Epidote-quartz veinlets with chalcopyrite and pyrite.																					
115																							
120																							
125																							
130																							
135																							
140		139.20m to 142.10m: Massive lava; grey.																					
145		142.10m to 148.35m: LASAIL UNIT: pillow lava; grey.																					
150		148.35m to 151.60m: Massive lava; grey.																					



Hole No. MJOY-7 ( 250.60m ; from 200.00 m to 250.60 m )

Depth (m)	Chart	Lithology	Alteration				Mineralization						Sampling		Ore Assay				
			Silification	Argillization	Quartz veinslets	Epidote veinslets	Pyrite veinslets	Chalcopyrite dissemi.	Chalcopyrite dissemi.	Sphalerite veinslets	Sphalerite dissemi.	Magnetite veinslets	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	
200		196.55m to 207.30m: Massive lava; grey.																	
205		207.30m to 208.15m: LASAIL UNIT: pillow lava; grey.																	
210		208.15m to 211.55m: Massive lava; grey.																	
215		211.55m to 220.80m: LASAIL UNIT: pillow lava; grey.																	
220		220.80m to 223.25m: Massive lava; grey.																	
225		223.25m to 231.10m: LASAIL UNIT: pillow lava; grey.																	
230		231.10m to 234.45m: Massive lava; grey.																	
235		234.45m to 250.60m: LASAIL UNIT: pillow lava; grey. 239.10m to 245.00m: Epidote-quartz veinlets with magnetite.																	
240																			
245																			
250																			

Hole No. MJOY-8 ( 250.25m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration								Mineralization								Sampling		Ore Assay								
			Silicification	Argillization	Quartz veinlets	Epidoie veinlets	Epidoie dissemi.	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veinlets	Sphalerite dissemi.	Sphalerite veinlets	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)						
0		0.00m to 2.00m: Sludge.																											
2		2.00m to 8.00m: Gravels (wadi sediments)																											
5		8.00m to 12.80m: Consolidated alluvial deposits; calcarete																											
10		12.80m to 13.80m: Unconsolidated sand.																											
13.8		13.80m to 17.40m: Consolidated alluvial deposits; calcarete																											
17.4		17.40m to 25.40m: LASAIL UNIT: pillow lava; moderately weathered, hematite predominant in interpillows, with hematite veinlets.																											
25.4		25.40m to 45.15m: LASAIL UNIT: pillow lava; light grey pillows and reddish brown interpillows, hematite and quartz predominant in interpillows, silicification and chloritization occurred around interpillows and veinlets.																											
45.15		45.15m to 49.35m: Massive lava; greenish grey.																											
49.35		49.35m to 53.50m: LASAIL UNIT: light grey pillows and reddish brown interpillows.																											
50																													



Hole No. MJOY-8 ( 250.25m ; from 50.00 m to 100.00 m )

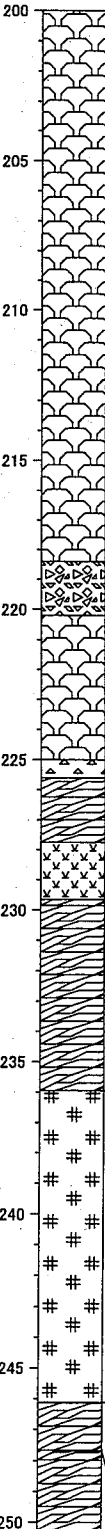
Depth (m)	Chart	Lithology	Alteration										Mineralization						Sampling		Ore Assay			
			Silicification	Argillization	Quartz veinlets	Epidote veinlets	Epidote dissemi.	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veinlets	Sphalerite dissemi.	Sphalerite veinlets	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	
50		49.35m to 53.50m: LASAII UNIT: pillow lava; light grey pillowls and reddish brown interpillows, hematite and quartz arsdominant in interpillows, silicification and chloritization occurred around interpillows and veinlets.																						
55		53.50m to 60.80m: LASAII UNIT: autobrecciated pillow lava; hematite filling in fractures with amygdaloidal texture.																						
60		60.80m to 68.80m: Massive lava; greenish grey to light greenish grey, hematite filling in fracture.																						
65		68.80m to 68.40m: LASAII UNIT: autobrecciated pillow lava; hematite filling in fractures with amygdaloidal texture.																						
70		69.40m to 90.75m: Massive lava; greenish grey to light greenish grey, hematite filling in fracture.																						
75																								
80																								
85																								
90		90.75m to 90.90m: Sheared zone, 30 degrees to core axis.																						
95		90.90m to 107.80m: Massive lava; greenish grey to light greenish grey, hematite filling in fracture.																						
100																								

Hole No. MJOY-8 ( 250.25m ; from 100.00 m to 150.00 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization							Sampling		Ore Assay									
			Silicification	Argillization	Quartz veinlets	Epidoie veinlets	Epidoie dissemi.	Calcite veinlets	Messivo Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veinlets	Sphalerite dissemi.	Sphalerite veinlets	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)					
100		90.90m to 107.80m: Massive lava; greenish grey to light greenish grey, hematite filling in fracture.																										
105																												
110		107.80m to 111.00m: LASAIL UNIT; pillow lava; light greenish grey, brecciated in places.																										
115			111.00m to 124.30m: Massive lava; light greenish grey, hematite veinlets in places.																									
120																												
125			124.30m to 127.35m: Massive lava; greenish grey to dark grey.																									
130			127.35m to 127.50m: Metalliferous sediments.																									
			127.50m to 129.60m: Massive lava; greenish grey to dark grey.																									
			129.60m to 134.95m: pillow lava; dark greenish grey to greenish grey, hematite predominant in interpillows.																									
135			134.95m to 135.05m: Sheared zone.																									
140			135.05m to 146.30m: LASAIL UNIT; pillow lava; light greenish grey, with varicose texture, with hematite network.																									
145																												
150		146.30m to 151.55m: Metalliferous sediments: brown.																										



Hole No. MJOY-8 ( 250.25m ; from 200.00 m to 250.25 m )

Depth (m)	Chart	Lithology	Alteration				Mineralization						Sampling		Ore Assay													
			Silicification	Argillization	Quartz veinlets	Episodic veinlets	Episodic dissemi.	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veinlets	Sphalerite dissemi.	Sphalerite veinlets	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)					
200		183.60m to 218.40m: GEOTIMES UNIT: pillow lava: light greenish grey, grey, brownish grey, reddish brown, thick interpillows, hematite dominant in interpillows.																										
205																												
210																												
215																												
220			218.40m to 220.20m: Autobrecciated pillow lava.																									
			220.20m to 225.00m: GEOTIMES UNIT: pillow lava: greenish grey and brownish grey, with hematite veinlets.																									
225			225.00m to 225.60m: Volcanic breccia.																									
			225.60m to 227.75m: Slump sediments; grey to dark grey volcanic materials and reddish brown metalliferous sediments; with schistose structure.																									
230			227.75m to 228.65m: Aphanitic andesite; glassy, as a block in slump sediments.																									
			228.65m to 235.95m: Slump sediments; grey to dark grey volcanic materials and reddish brown metalliferous sediments; with schistose structure.																									
235			235.95m to 246.10m: Gabbro: coarse grained, sheared in places, as a block in a slump sediments.																									
240																												
245																												
		246.10m to 247.65m: Slump sediments; grey to dark grey volcanic materials and reddish brown metalliferous sediments; with schistose structure.																										
250		247.65m to 250.25m: Slump sediments; mostly composed of metalliferous sediments.																										



Hole No. MJOY-9 ( 150.00m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration								Mineralization								Sampling		Ore Assay				
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote dissemi.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Spalichte dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)		
50	[Patterned]	49.20m to 83.45m: Pillow lava(Lasail unit); grey to light grey color.																50.30							
																			2.00	0.02	0.2	0.05	0.01		
																				52.30					
																				2.00	0.02	0.1	0.03	0.02	
55																				54.30					
																				2.00	0.07	0.2	0.02	0.01	
																				56.30					
																				2.00	0.05	0.9	0.41	0.09	
																				58.30					
																				2.00	0.03	0.3	0.05	0.01	
60																				60.30					
																				2.00	0.05	0.2	0.05	0.02	
																				62.30					
																				2.00	0.05	0.5	0.38	0.02	
65																				64.30					
																				1.70	0.05	0.3	0.07	0.02	
																				66.00					
																				2.00	0.04	0.2	0.04	<0.01	
																				68.00					
																				2.00	0.03	0.1	0.01	<0.01	
70																				70.00					
																				2.00	0.02	0.2	0.02	0.01	
																				72.00					
																				2.05	0.02	0.2	0.05	0.04	
75																				74.05					
																		2.00	0.05	0.8	0.92	0.03			
																		76.05							
																		2.00	0.02	0.3	0.12	0.01			
																		78.05							
																		2.00	0.03	0.3	0.07	0.02			
80																		80.05							
																		2.00	0.07	1.0	0.53	0.22			
																		82.05							
																		2.00	0.05	0.6	0.31	0.05			
85		83.45m to 85.60m: Massive lava: light grey.																84.05							
																		2.00	0.06	0.7	0.36	0.06			
		85.60m to 100.75m: Pillow lava(Lasail unit); grey to light grey color.																86.05							
																		2.00	0.02	0.3	0.29	0.01			
																		88.05							
																		2.00	0.03	0.7	0.63	0.02			
90																		90.05							
																		2.00	0.01	0.3	0.17	0.05			
																		92.05							
																		2.00	0.02	0.3	0.57	0.02			
95																		94.05							
																		2.00	0.05	0.3	0.62	0.02			
																		96.05							
																		2.00	0.04	0.3	0.59	0.02			
																		98.05							
100																		2.00	0.01	0.3	0.28	0.02			

Hole No. MJOY-9 ( 150.00m ; from 100.00 m to 150.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization							Sampling		Ore Assay			
			Silicification	Argillization	Quartz veins	Epithermal veins	Epithermal veins	Calcic veins	Massive veins	Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Sphalerite disse.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	
100		85.60m to 100.75m: Pillow lava(Lasail unit); grey to light grey color.																100.05							
		100.75m to 103.40m: Massive lava; light grey.																102.05	2.00	0.02	0.3	0.38	0.02		
		103.40m to 105.25m: Pillow lava(Lasail unit); grey to light grey color.																104.05	2.00	0.01	0.3	0.23	0.02		
105		105.25m to 109.35m: Massive lava; light grey.																108.05	2.00	0.02	0.3	0.22	0.02		
																		108.05	2.00	0.04	0.4	0.53	0.02		
																		110.05	2.00	0.02	0.4	0.28	0.02		
110		109.35m to 111.65m: Pillow lava(Lasail unit); grey to light grey color.																110.05	2.00	0.01	0.6	0.96	0.03		
		111.65m to 118.85m: Massive lava; light grey.																112.05	2.00	0.01	0.1	0.06	0.01		
																		114.05	2.00	0.01	0.2	0.30	0.02		
115																		116.05	2.00	0.01	0.2	0.30	0.02		
																		118.05	2.00	0.02	0.3	0.38	0.01		
																		118.05	2.00	0.05	1.1	1.33	0.05		
120		118.85m to 131.55m: Pillow lava(Lasail unit); light grey to grey color, with thick interpillows(v.5cm to 10cm).																120.05	2.00	0.01	0.1	0.04	0.03		
		120.60m to 122.30m; with variolite texture.																122.05	2.00	0.01	0.1	0.09	0.02		
																		124.05	2.00	0.01	0.1	0.07	0.02		
125																		126.05	2.00	0.01	0.1	0.01	0.03		
																		128.05	2.00	0.06	0.9	1.04	0.12		
130																		130.05	2.00	0.26	0.5	0.27	0.03		
		131.55m to 134.15m: Massive lava; light grey.																132.05	2.00	0.01	0.2	0.02	0.02		
																		134.05	2.00	0.01	0.1	0.18	0.01		
135		134.15m to 150.00m: Pillow lava(Lasail unit); light grey to greenish grey color, with thick interpillows.																136.05	2.00	0.01	<0.1	0.01	<0.01		
																		138.05	2.35	0.01	0.1	0.21	0.12		
140																		140.40							
145																									
150		E.O.H. 150.00m																							

Hole No. MJOY-10 ( 150.35m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration											Mineralization							Sampling		Ore Assay								
			Silicification	Argillization	Quartz veinslets	Epidote veinslets	Epidote Uremni	Calcite veinslets	Massive Sulphide	Stockwork	Pyrite veinslets	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veinslets	Sphalerite veinslets	Sphalerite dissemi.	Sphalerite	Malageneite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)							
0		0m to 4.7m: Massive lava; weathered, gossanized along sulphide veinslets.																													
5		4.7m to 8.85m: Massive lava; light grey color.																													
10		8.85m to 9.10m: Basalt dyke. 9.10m to 13.10m: Massive lava; light grey color.																													
15		13.10m to 14.25m: Basalt dyke. 14.25m to 15.30m: Pillow lava; light grey color. 15.30m to 16.70m: Basalt lava. 16.70m to 17.40m: Basalt lava. 17.40m to 18.60m: Basalt lava.																													
20		18.60m to 20.90m: Pillow lava; light grey color. 20.90m to 25.00m: Massive lava; light grey color.																													
25		25.00m to 28.20m: Pillow lava; light grey color, pillow structures are not clear. 28.20m to 30.50m: Massive lava; light grey color.																													
30		30.50m to 33.06m: Pillow lava; Lasail. U., light grey color. 33.06m to 38.05m: Massive lava; light grey.																													
35		38.05m to 38.50m: Pillow lava; light grey color. 38.50m to 42.70m: Massive lava; light grey color.																													
40		42.70m to 43.60m: Pillow lava; light grey color. 43.60m to 44.30m: Massive lava. 44.30m to 46.15m: Basalt dyke. 46.15m to 47.90m: Basalt dyke.																													
45		47.90m to 50.70m: Massive lava; light grey to grey color.																													
50																															



Hole No. MJOY-10 ( 150.35m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration								Mineralization						Sampling		Ore Assay									
			Silicification	Argillization	Quartz veins	Epidoite veins	Epidoite disse.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Sphalerite	Sphalerite veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)					
50		47.90m to 50.70m: Massive lava; light grey to grey color.																										
		50.70m to 51.50m: Basalt dyke.																										
		51.50m to 54.00m: Basalt dyke.																										
55		54.00m to 60.40m: Pillow lava; Lasaill U., light grey color.																										
60		60.40m to 66.70m: Massive lava; light grey to grey color.																										
65		66.70m to 73.20m: Pillow lava; Lasaill U., light grey color.																										
70		73.20m to 75.20m: Massive lava; light grey color.																										
75		75.20m to 76.95m: Basalt dyke.																										
		76.95m to 79.65m: Basalt dyke.																										
80		79.65m to 82.65m: Pillow lava; light grey color, pillow structures are not clear.																										
85		82.65m to 87.30m: Massive lava; light grey color.																										
		87.30m to 90.25m: Pillow lava; Lasaill U., with variole texture, light grey to grey color.																										
90		90.25m to 93.30m: Massive lava; light grey color.																										
		93.30m to 94.35m: Shered zone.																										
95		94.35m to 99.60m: Pillow lava; Lasaill U., light grey to grey color.																										
100		99.60m to 100.70m: Massive lava; light grey to grey color.																										

Hole No. MJOY-10 ( 150.35m ; from 100.00 m to 150.35 m )

Depth (m)	Chart	Lithology	Alteration								Mineralization						Sampling		Ore Assay										
			Silicification	Argillization	Quartz veinlets	Epideve veinlets	Epideve dissemi.	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite dissemi.	Sphalerite dissemi.	Sphalerite dissemi.	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)						
100		99.60m to 100.70m: Massive lava; light grey to grey color.																											
		100.70m to 101.40m: Basalt dyke.																											
		101.40m to 103.30m: Basalt dyke.																											
		103.30m to 103.45m: Basalt dyke.																											
105		103.45m to 111.30m: Massive lava; light grey color.																											
110		111.30m to 111.75m: Basalt dyke.																											
		111.75m to 114.60m: Pillow lava; light grey color.																											
115		114.60m to 122.20m: Massive lava; light grey color.																											
120		122.20m to 124.00m: Basalt dyke.																											
125		124.00m to 127.75m: Pillow lava; Lasail U., light grey to grey color.																											
		127.75m to 130.25m: Massive lava; light grey color.																											
130		130.25m to 131.90m: Pillow lava; light grey color.																											
		131.90m to 136.50m: Massive lava; light grey color.																											
135		136.50m to 139.70m: Pillow lava; light grey color.																											
140		139.70m to 142.20m: Massive lava; light grey color.																											
		142.20m to 144.25m: Basalt dyke.																											
145		144.25m to 145.85m: Pillow lava; Lasail U., light grey color.																											
		145.85m to 149.65m: Massive lava; light grey color.																											
150		149.65m to 150.35m: Basalt dyke, E.O.H. 150.35m																											

Hole No. MJOY-11 ( 150.35m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration									Mineralization						Sampling		Ore Assay									
			Silicification	Argillization	Quartz veins	Epithermal veins	Epithem. disse.	Calcic veins	Massive	Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopryite disse.	Chalcopryite veins	Sphalerite disse.	Sphalerite veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)					
0		0m to 2.50m: Sludge																											
5		2.50m to 9.20m: Pillow lava; Lasail U., weathered and oxidized, with varicose texture.																											
10		9.20m to 25.25m: Pillow lava; Lasail U., light grey color, auto-brecciated.																	9.20										
15																			11.20										
20																			13.20										
25		25.25m to 28.65m: Massive lava; light grey color.																	15.20										
30		28.65m to 40.00m: Pillow lava; Lasail U., light grey color, auto-brecciated.																	17.20										
35																			19.20										
40		40.00m to 44.05m: Massive lava; light grey color.																	21.20										
45		44.05m to 49.20m: Pillow lava; Lasail U., light grey to grey color.																	23.20										
50																			25.20										
																			27.20										
																			29.20										
																			31.20										
																			33.20										
																			35.20										
																			37.20										
																			39.20										
																			41.20										
																			43.20										
																			45.20										
																			47.20										
																			49.20										

Hole No. MJOY-11 ( 150.35m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization					Sampling		Ore Assay					
			Silicification	Argillization	Quartz veins	Epithermal veins	Epithermal dissemi.	Calcite veins	Massive Sulfide	Stockwork	Pyrite veins	Pyrite dissemi	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite veins	Sphalerite dissemi	Maghemite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)
50		44.05m to 93.60m: Pillow lava; Lasail U, light grey to grey color.															51.20	2.00	0.05	<0.1	0.06	0.02
																	53.20	2.00	0.05	<0.1	0.03	0.02
55																	55.20	2.00	0.05	<0.1	0.04	0.02
																	57.20	2.00	0.04	1.2	0.79	0.06
																	59.20	2.00	0.03	1.0	0.50	0.05
60																	61.20	2.00	0.05	0.2	0.12	0.13
																	63.20	2.00	0.02	0.1	0.17	0.06
65																	65.20	2.00	0.02	0.1	0.01	0.02
																	67.20	2.00	0.03	0.4	0.31	0.03
																	69.20	2.00	0.02	0.2	0.22	0.02
70																	71.20	2.00	0.01	0.1	0.13	0.02
																	73.20	2.00	0.03	1.4	1.40	0.04
75																	75.20	2.00	0.05	1.6	1.33	0.05
																	77.20	2.00	0.03	0.4	0.06	0.02
																	79.20	2.00	0.03	0.2	0.36	0.04
80																	81.20	2.00	0.05	<0.1	0.06	0.03
																	83.20	2.00	0.05	0.2	0.10	0.02
85																	85.20	2.00	0.02	0.2	0.24	0.02
																	87.20	2.00	0.01	<0.1	0.04	0.03
																	89.20	2.00	0.01	0.1	0.16	0.03
90																	91.20	2.00	0.03	0.3	0.03	0.04
																	93.20	2.00	0.01	<0.1	0.03	0.03
95		93.65m to 98.25m: Massive lava; light grey to grey color.															95.20	2.00	0.01	<0.1	0.03	0.03
		98.25m to 150.35m: Pillow lava; Lasail U, light grey color.															97.20	2.00	0.01	<0.1	0.07	0.03
100																	99.20	2.00	0.01	0.1	0.08	0.03

Hole No. MJOY-11 ( 150.35m ; from 100.00 m to 150.35 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization					Sampling		Ore Assay			
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote dissemi.	Calcite veins	Magnetite	Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)
100		98.25m to 150.35m: Pillow lava; Lassel U, light grey color.																	2.00	0.01	0.1	0.11	0.04
101.20																			2.00	0.02	0.2	0.12	0.04
103.20																			2.00	0.01	0.1	0.06	0.03
105.20																			2.00	0.01	0.2	0.05	0.04
107.20																			2.00	0.01	0.2	0.16	0.03
109.20																			2.00	0.02	0.5	0.34	0.03
111.20		118.00m to 128.30m; with thick interpillow(w:10 to 20cm).																	2.00	0.10	0.8	1.14	0.03
113.20																			2.00	0.03	0.7	0.38	0.03
115.20		116.40m; with variole texture.																	1.70	0.04	0.3	0.08	0.02
116.90																							
120																							
125																							
130																							
135																							
140		135.40m to 142.10m; with variole texture.																					
145																							
150		E.O.H. 150.35m																					

Hole No. MJOY-12 ( 150.35m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration											Mineralization					Sampling		Ore Assay									
			Silicification	Argilization	Quartz veinslets	Epidoite veinslets	Epithermal dissemi.	Calcite veinslets	Massive Sulphide	Stockwork	Pyrite veinslets	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veinslets	Sphalerite dissemi.	Sphalerite veinslets	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)							
0		0m to 3.75m: Pillow lava(?); highly weathered.																												
5		3.75m to 18.55m: Pillow lava; weathered, gossanized along sulphide veinslets.																												
15																														
20		18.55m to 34.30m: Pillow lava; Lasail U, light grey color.																												
25																														
30																														
35		34.30m to 37.50m: Massive lava; light grey color.																												
40		37.50m to 38.70m: Pillow lava; light grey color.																												
40		38.70m to 39.95m: Basalt dyke.																												
45		39.95m to 43.15m: Massive lava; light grey color.																												
45		43.15m to 46.65m: Pillow lava; light grey to grey color.																												
45		46.65m to 48.30m: Massive lava; grey color.																												
50		48.30m to 56.65m: Pillow lava; Lasail U, grey to light grey color.																												
																		28.15												
																		29.3	1.15	0.11	1.1		1.21							
																		31.1	1.8	<0.01	0.2		0.08							
																		32.95	1.85	0.03	0.1		0.04							
																		34.45	1.5	0.80	7.6		3.43							
																		36.1	1.65	0.08	0.4		0.18							
																		37.8	1.7	0.08	0.5		0.38							
																		39.8	2	0.03	0.2		0.06							
																		41.8	2	0.03	0.1		0.05							
																		43.8	2	0.03	0.2		0.06							
																		45.8	2	0.03	0.1		0.04							
																		47.8	2	<0.01	0.9		0.11							

Hole No. MJOY-12 ( 150.35m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization					Sampling		Ore Assay					
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote disse.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Sphalerite disse.	Sphalerite veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)
50		48.30m to 56.65m: Pillow lava; Lasail U, grey to light grey color.															2		0.03	0.2	0.12	
51.8																	2		0.08	0.3	0.12	
53.8																	2		0.03	0.2	0.07	
55																						
55.8		56.65m to 57.80m: Basalt dyke.															2		0.03	0.2	0.13	
57.8		57.80m to 59.80m: Basalt dyke.															2		<0.01	0.2	0.12	
60																						
60		59.80m to 62.05m: Basalt dyke.															2		<0.01	0.1	0.04	
61.8																						
62.05m to 74.35m: Pillow lava; Lasail U, light grey to grey color.																	2.6		<0.01	0.1	0.08	
65																						
65		62.05m to 74.35m: Pillow lava; Lasail U, light grey to grey color.																				
68.85m to 69.35m; with varicose texture.																						
70																						
70		73.90m to 74.35m; with varicose texture.																				
73.90m to 74.35m; with varicose texture.																						
75		74.35m to 75.90m: Massive lava; light grey color.																				
75																						
75.90m to 78.85m: Pillow lava; Lasail U, light grey color.																						
80																						
80		78.85m to 81.05m: Massive lava; light grey color.																				
81.05m to 89.20m: Pillow lava; Lasail U, light grey color.																						
82.15m to 83.55m; with varicose texture.																						
85																						
85		81.05m to 89.20m: Pillow lava; Lasail U, light grey color.																				
82.15m to 83.55m; with varicose texture.																						
90																						
90		89.20m to 93.30m: Massive lava; light grey color.																				
93.30m to 100.40m: Pillow lava; Lasail U, light grey color, with varicose texture.																						
95																						
95		93.30m to 100.40m: Pillow lava; Lasail U, light grey color, with varicose texture.																				
100																						

Hole No. MJOY-12 ( 150.35m ; from 100.00 m to 150.35 m )

Depth (m)	Chart	Lithology	Alteration											Sampling		Ore Assay										
			Silicification	Argilization	Quartz veins	Epidote veins	Epidote disse.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Spaltenite disse.	Spaltenite veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)			
100		93.30m to 100.40m: Pillow lava; Lasail U, light grey color, with variole texture.																								
		100.40m to 101.25m: Massive lava.																								
		101.25m to 102.75m: Basalt dyke.																								
		102.75m to 103.40m: Basalt dyke.																								
105		103.40m to 107.85m: Massive lava; light grey color.																								
		107.85m to 109.55m: Massive lava; light grey color.																								
110		109.55m to 113.75m: Pillow lava; Lasail U, light grey color.																								
		113.75m to 115.25m: Basalt dyke.																								
115		115.25m to 116.95m: Pillow lava.																								
		116.95m to 118.30m: Basalt dyke.																								
		118.30m to 123.30m: Pillow lava; Lasail U, light grey color, with variole texture.																								
		123.30m to 125.80m: Massive lava; light grey color.																								
125		125.80m to 126.75m: Basalt dyke.																								
		126.75m to 130.25m: Pillow lava; Lasail U, light grey to greenish grey color, with variole texture.																								
130		130.25m to 132.55m: Massive lava; light grey color.																								
		132.55m to 133.55m: Basalt dyke.																								
		133.55m to 134.85m: Massive lava.																								
135		134.85m to 140.30m: Pillow lava; Lasail U, light grey color.																								
		140.30m to 141.95m: Basalt dyke.																								
		141.95m to 144.35m: Pillow lava; Lasail U, light grey color.																								
140		144.35m to 145.40m: Basalt dyke.																								
		145.40m to 146.40m: Pillow lava.																								
		146.40m to 149.85m: Dolertic basalt dyke.																								
145		149.85m to 150.35m: Pillow lava. E.O.H, 150.35m.																								
150																										





Hole No. MJOY-13 ( 150.05m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration													Mineralization					Sampling		Ore Assay								
			Silicification	Argilization	Quartz veinlets	Epidoze veinlets	Epidoze dissemi.	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veinlets	Sphalerite dissemi.	Sphalerite veinlets	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)								
50		47.75m to 51.30m: Massive lava; light grey color.																													
		51.30m to 52.05m: Basalt dyke.																													
		52.05m to 53.35m: Basalt dyke.																													
		53.35m to 54.20m: Basalt dyke.																													
55		54.20m to 58.50m: Pillow lava; Lasail U, light grey color, pillow structures are not clear.																													
		58.50m to 60.65m: Basalt dyke.																													
60		60.65m to 63.25m: Massive lava; light grey color.																													
		63.25m to 64.75m: Basalt dyke.																													
65		64.75m to 66.10m: Massive lava.																													
		66.10m to 73.95m: Pillow lava; Lasail U, light grey to grey color, pillow structures are not clear.																													
70		73.95m to 75.70m: Basalt dyke.																													
75		75.70m to 80.00m: Massive lava; light grey color.																													
		80.00m to 82.15m: Basalt dyke.																													
		82.15m to 83.10m: Basalt dyke.																													
		83.10m to 85.25m: Massive lava; light grey color.																													
85		85.25m to 87.05m: Basalt dyke.																													
		87.05m to 88.35m: Basalt dyke.																													
		88.35m to 89.10m: Basalt dyke.																													
90		89.10m to 90.60m: Basalt dyke.																													
		90.60m to 95.90m: Massive lava; light grey color.																													
95		95.90m to 96.40m: Basalt dyke.																													
		96.40m to 97.10m: Massive lava.																													
		97.10m to 98.30m: Basalt dyke.																													
		98.30m to 98.60m: Basalt dyke.																													
100		98.60m to 99.45m: Basalt dyke.																													
		99.45m to 100.05m: Basalt dyke.																													

Hole No. MJOY-13 ( 150.05m ; from 100.00 m to 150.05 m )

Depth (m)	Chart	Lithology	Alteration				Mineralization				Sampling		Ore Assay										
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote disse.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Sphalerite disse.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)
100		99.45m to 100.05m: Basalt dyke.															101.15	2.00	<0.01	<0.1	0.08		
		100.05m to 101.75m: Basalt dyke.																101.15	2.00	0.08	0.1	0.24	
		101.75m to 102.55m: Basalt dyke.																103.15	2.00	<0.01	0.1	0.26	
		102.55m to 111.25m: Massive lava; light grey to grey color.																105.15	2.00	<0.01	0.1	0.82	
105																		107.15	2.00	<0.01	0.1	0.52	
		111.25m to 112.80m: Basalt dyke.																109.15	2.00	<0.01	<0.1	0.08	
		112.80m to 113.45m: Basalt dyke.																111.15	2.00	<0.01	0.1	0.45	
		113.45m to 117.50m: Basalt dyke.																113.15	2.00	0.16	0.2	1.29	
115																		115.15	2.00	<0.01	<0.1	0.18	
		117.50m to 119.85m: Massive lava; light grey color.																117.15	2.00	<0.01	0.1	0.23	
		119.85m to 121.30m: Basalt dyke.																118.15	2.00	0.05	0.1	0.35	
120																		121.15	2.00	<0.01	0.1	0.29	
		121.30m to 122.10m: Basalt dyke.																123.15	2.00	<0.01	0.1	0.27	
		122.10m to 122.80m: Massive lava.																125.15	2.00	<0.01	0.1	0.27	
		122.80m to 124.20m: Basalt dyke.																127.15	2.00	<0.01	0.2	0.35	
		124.20m to 129.65m: Massive lava; light grey color, doleritic.																129.15	2.00	<0.01	<0.1	0.03	
130																		131.15	2.00	<0.01	<0.1	0.04	
		129.65m to 130.45m: Basalt dyke.																133.15	2.00	<0.01	0.2	0.44	
		130.45m to 131.10m: Massive lava.																135.15	2.00	<0.01	0.1	0.16	
		131.10m to 131.70m: Basalt dyke.																137.15	2.00	<0.01	0.1	0.10	
		131.70m to 132.70m: Massive lava.																139.15	2.00	<0.01	0.1	0.35	
135																		141.15	2.00	<0.01	0.1	0.03	
		132.70m to 134.30m: Basalt dyke.																143.15	2.00	<0.01	0.1	0.13	
		134.30m to 136.65m: Massive lava; light grey color.																145.15	2.00	<0.01	0.1	0.41	
		136.65m to 137.45m: Basalt dyke.																147.60	2.45	<0.01	0.1	0.21	
		137.45m to 140.30m: Pillow lava: Lassall U, light grey to gery color.																					
140																							
		140.30m to 141.05m: Basalt dyke.																					
		141.05m to 142.05m: Basalt dyke.																					
		142.05m to 146.90m: Massive lava; light grey color.																					
145																							
		146.90m to 147.40m: Basalt dyke.																					
		147.40m to 147.95m: Basalt dyke.																					
		147.95m to 148.70m: Basalt dyke.																					
150		148.70m to 150.05m: Basalt dyke. E.O.H. 150.05m																					

Hole No. MJOY-14 ( 150.20m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration									Mineralization								Sampling		Ore Assay										
			Silicification	Argilization	Quartz veinlets	Epidote veinlets	Epidote dissemt.	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemt.	Chalcopyrite dissemt.	Chalcopyrite veinlets	Spalherite dissemt.	Spalherite veinlets	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)									
0		0m to 22.45m: Pillow lava; slightly weathered, light grey color, all of sulphide minerals were oxidized.																														
5																																
10																																
15																																
20																																
22.45		22.45m to 26.40m: Massive lava; light grey color.																														
26.40		26.40m to 29.80m: Basalt dyke																														
26.75		26.75m:Py-Cp-Qtz veinlets																														
29.80		29.80m to 37.50m: Pillow lava; Lasail U, light grey color.																														
30																																
35																																
37.50		37.50m to 37.85m: Basalt dyke																														
37.85		37.85m to 40.55m: Massive lava; light grey color.																														
40																																
40.55		40.55m to 44.80m: Pillow lava; light grey color.																														
45																																
44.80		44.80m to 48.60m: Massive lava; light grey color.																														
48.60		48.60m to 50.75m: Pillow lava; light grey color.																														
50																																



Hole No. MJOY-14 ( 150.20m ; from 100.00 m to 150.20 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization							Sampling		Ore Assay					
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote dissemi.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	
100	[Symbol]	93.85m to 107.75m: Pillow lava; Lasail U, light grey color.														100.2	2.00	0.17	0.2	0.97				
		101.70m; with variose texture															102.2	2.00	0.18	0.2	0.24			
105	[Symbol]	107.75m to 110.45m: Basalt dyke														104.2	2.00	0.13	0.3	0.28				
																	108.2	2.00	0.03	0.2	0.22			
110	[Symbol]	110.45m to 128.35m: Pillow lava; Lasail U, light grey color.														108.2	2.00	0.03	0.3	0.03				
																	110.2	2.00	0.21	0.3	0.22			
115	[Symbol]															112.2	2.00	0.03	0.3	0.02				
																	114.2	2.00	0.03	0.1	0.17			
120	[Symbol]															118.2	2.00	0.03	0.2	0.19				
																	118.2	2.00	0.03	0.2	0.11			
125	[Symbol]															120.2	2.00	0.16	0.3	1.02				
																	122.2	2.00	0.03	0.4	0.12			
	[Symbol]	128.35m to 127.95m: Massive lava; light grey color.														124.2	2.00	0.05	0.1	0.18				
																	126.2	2.00	0.05	0.1	0.13			
	[Symbol]	127.95m to 129.05m: Basalt dyke														128.2	2.00	0.03	0.2	0.21				
130			129.05m to 130.75m: Massive lava; light grey color.													130.2	2.00	0.03	0.2	0.21				
	[Symbol]	130.75m to 132.80m: Pillow lava; light grey color.														132.2	2.00	0.03	0.4	0.27				
																	132.2	2.00	0.03	0.3	0.03			
135	[Symbol]	132.80m to 142.70m: Massive lava; light grey color.														134.2	2.00	0.08	0.3	<0.01				
																	136.2	2.00	0.03	0.1	<0.01			
140	[Symbol]															138.2	1.40	0.05	0.4	0.69				
																	138.6							
145	[Symbol]	142.70m to 145.20m: Pillow lava; light grey color.																						
	[Symbol]	145.20m to 145.70m: Basalt dyke																						
150		145.70m to 150.20m: Massive lava; light grey color.																						
		E.O.H. 150.20m																						

Hole No. MJOY-15 ( 150.35m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization					Sampling		Ore Assay										
			Silicification	Argillization	Quartz veinlets	Epidote veinlets	Epidote dissemi.	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemi	Chalcopyrite dissemi.	Chalcopyrite veinlets	Sphalerite dissemi.	Sphalerite veinlets	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)							
0		0m to 9.25m: Filling rocks during ancient mining activity.																												
10		9.25m to 14.55m: Massive lava; slightly weathered light grey color, gossanized along sulphide veinlets, with Cu-oxides.																												
15		14.55m to 19.50m: Pillow lava; Lasail U. slightly weathered, gossanized along sulphide veinlets.																												
20		19.50m to 27.5m: Pillow lava; Lasail U. light grey color, mineralization and argillization mostly in interpillows.																19.90	2.00	0.02	0.1	0.35								
25																	21.90	2.00	0.01	0.6	0.14									
																	23.90	2.00	0.02	0.2	0.33									
																	25.90	2.00	0.02	<0.1	0.13									
		27.50m to 30.80m: Massive lava; light grey color.															27.90	2.00	0.01	0.3	0.16									
		30.80m to 32.30m: Pillow lava; light grey color.															28.90	2.00	0.01	<0.1	0.17									
		32.30m to 37.00m: Massive lava; light grey color.															31.90	2.00	0.03	0.2	0.26									
		37.00m to 47.80m: Pillow lava; Lasail U. light grey to grey color.															33.90	2.00	0.01	0.2	0.18									
40		37.00m to 37.40m: highly silicified zone with intense cu-mineralization.															35.90	2.00	0.05	0.2	0.83									
																	37.90	2.00	0.01	<0.1	0.27									
																	39.90	2.00	0.02	0.1	0.27									
																	41.90	2.00	0.02	0.1	0.27									
																	43.90	2.00	0.01	0.1	0.23									
																	45.90	2.00	0.02	0.1	0.38									
		47.80m to 48.60m: Basalt dyke.															47.90	2.00	0.03	0.2	0.33									
		48.60m to 50.70m: Basalt dyke.																2.00	0.02	0.1	0.46									

Hole No. MJOY-15 ( 150.35m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization						Sampling		Ore Assay								
			Silicification	Argillization	Quartz veins	Epiphyse veins	Epithone dissemi.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)						
50		48.80m to 50.70m: Basalt dyke.																											
		50.70m to 52.85m: Massive lava; light grey color.																											
		52.85m to 55.50m: Pillow lava; Lasail U., light grey color.																											
55		55.50m to 56.35m: Basalt dyke.																											
		56.35m to 67.25m: Pillow lava; Lasail U., light grey to grey color, with thin interpillows (2 to 3cm in general).																											
60																													
		67.25m to 68.85m: Massive lava; light grey to grey color.																											
70		68.85m to 74.80m: Pillow lava; Lasail U., light grey to grey color, with thin interpillows (2 to 3cm in general).																											
75		74.80m to 77.35m: Massive lava; light grey to grey color.																											
		77.35m to 81.65m: Pillow lava; Lasail U., light grey to grey color, with thin interpillows (2 to 3cm in general).																											
80																													
		81.65m to 85.30m: Massive lava; light grey to grey color.																											
85		85.30m to 85.95m: Basalt dyke.																											
		85.95m to 90.00m: Massive lava; light grey to grey color.																											
90		90.00m to 91.00m: Pillow lava; Lasail U., light grey color.																											
		91.00m to 92.15m: Basalt dyke.																											
		92.15m to 93.00m: Basalt dyke.																											
95		93.00m to 104.90m: Pillow lava; Lasail U., light grey color, strongly silicified.																											
100																													





Hole No. MJOY-16 ( 150.40m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration									Mineralization							Sampling		Ore Assay				
			Silicification	Argillization	Quartz veins	Epithermal veins	Epithermal veins	Calcite veins	Massive sulfide	Stockwork	Pyrite veins	Pyrite dissemin.	Chalcopyrite dissemin.	Chalcopyrite veins	Sphalerite dissemin.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)		
0		Sludge																							
0		1.00m to 17.75m: Pillow lava; weathered and oxidized parts, Cu-oxides in place.																							
17.75		17.75m to 28.4m: Pillow lava; Lasail U, light grey color.																							
19.35																									
21.35																									
23.35																									
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41.35																									
43.35																									
45.35																									
47.35																									
49.35																									

Hole No. MJOY-16 ( 150.40m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization						Sampling		Ore Assay			
			Silicification	Argillization	Quartz veins	Epithermal veins	Epithermal veins	Epithermal veins	Chalcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Malpasite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)
50		47.50m to 50.50m: Pillow lava; Lasail U., light grey color, with variole texture.																51.35	2.00	0.04	0.1	0.27	0.01	
		50.50m to 52.80m: Massive lava; light grey color.																	2.00	0.02	0.4	0.13	<0.01	
		52.80m to 53.85m: Basalt dyke.																	53.35					
		53.85m to 54.60m: Basalt dyke.																	2.00	0.03	0.1	0.19	0.01	
55		54.60m to 56.10m: Basalt dyke.																	55.35					
		56.10m to 57.00m: Basalt dyke.																	2.00	0.06	0.1	0.24	0.04	
		57.00m to 58.50m: Basalt dyke.																	57.35					
		58.50m to 59.10m: Basalt dyke.																	2.00	0.06	0.2	0.25	0.04	
60		59.10m to 59.80m: Basalt dyke.																	59.35					
		59.80m to 60.35m: Basalt dyke.																	2.00	0.05	0.2	0.22	0.04	
		60.35m to 61.05m: Basalt dyke.																	61.35					
		61.05m to 62.30m: Basalt dyke.																	2.00	0.11	0.3	0.25	0.01	
		62.30m to 62.95m: Basalt dyke.																	63.35					
		62.95m to 64.20m: Basalt dyke.																	2.00	0.06	0.1	0.17	0.04	
65		64.20m to 64.80m: Basalt dyke.																	65.35					
		64.80m to 71.80m: Pillow lava; Lasail U., light grey color, with very thin interpillows.																	2.00	0.20	0.5	0.86	0.09	
																			67.35					
																			2.00	0.03	0.2	0.24	0.02	
70																			69.35					
																			2.00	0.07	1.0	1.56	0.05	
		71.80m to 74.95m: Basalt dyke.																	71.35					
																			2.00	0.03	0.2	0.48	0.02	
75		74.95m to 76.15m: Basalt dyke.																	73.35					
		76.15m to 77.70m: Basalt dyke.																	2.00	0.02	<0.1	0.06	0.02	
		77.70m to 78.80m: Basalt dyke.																	75.35					
		78.80m to 80.40m: Basalt dyke.																	2.00	0.02	0.2	0.22	0.03	
80																			77.35					
		80.40m to 81.35m: Basalt dyke.																	2.00	0.01	0.2	0.24	0.04	
		81.35m to 82.80m: Basalt dyke.																	79.35					
		82.80m to 83.65m: Basalt dyke.																	2.00	0.02	0.3	0.30	0.02	
		83.65m to 84.25m: Basalt dyke.																	81.35					
		84.25m to 84.90m: Basalt dyke.																	2.00	0.01	0.3	0.37	0.01	
85		84.90m to 92.35m: Pillow lava; Lasail U., light greenish grey color, with variole texture in places.																	83.35					
																			2.00	0.03	0.3	0.38	0.02	
																			85.35					
																			2.00	0.09	1.5	0.84	0.04	
																			87.35					
																			2.00	0.15	1.0	0.91	0.04	
90																			89.35					
																			2.00	0.11	1.2	1.02	0.03	
																			91.35					
		92.35m to 92.65m: Basalt dyke.																	2.00	0.05	0.5	0.71	0.02	
		92.65m to 93.20m: Basalt dyke.																	93.35					
		93.20m to 93.65m: Basalt dyke.																	2.00	0.02	0.3	0.25	0.01	
95		93.65m to 95.75m: Massive lava; light grey color.																	95.35					
		95.75m to 99.30m: Pillow lava; Lasail U., light grey color, with thin interpillows.																	2.00	0.02	0.3	0.33	0.02	
																			97.35					
100		99.30m to 103.85m: Massive lava; light grey color.																	2.00	0.05	0.2	0.64	0.02	
																			99.35					

Hole No. MJOY-16 ( 150.40m ; from 100.00 m to 150.40 m )

Depth (m)	Chart	Lithology	Alteration								Mineralization								Sampling		Ore Assay				
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote dissemi.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite dissemi.	Sphalerite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	
100		99.30m to 103.85m: Massive lava; light grey color.																	101.35	2.00	0.02	0.1	0.58	0.02	
100																			103.35	2.00	0.03	0.2	0.43	0.02	
105		103.85m to 106.95m: Massive lava; light grey color.																	105.35	2.00	0.02	0.2	0.18	0.02	
105		106.95m to 107.40m: Basalt dyke.																	107.35	2.00	0.03	0.2	0.60	0.02	
105		107.40m to 108.45m: Pillow lava; Lassel U, light grey color, with thin interpillows.																	109.35	2.00	0.02	<0.1	0.28	0.02	
110		108.45m to 111.30m: Massive lava; light grey to grey color.																	111.35	2.00	0.03	0.5	0.52	0.02	
110		111.30m to 113.55m: Massive lava; light grey to grey color.																	113.35	2.00	0.02	0.3	0.36	0.02	
115		113.55m to 114.75m: Massive lava; light grey to grey color.																	115.35	2.00	0.02	0.1	0.22	0.02	
115		114.75m to 116.00m: Basalt dyke.																	117.35	2.00	0.02	0.2	0.54	0.02	
115		116.00m to 118.80m: Massive lava; light grey to grey color.																	119.35	2.00	0.01	0.1	0.33	0.02	
120		118.80m to 119.80m: Basalt dyke.																	121.35	2.00	<0.01	<0.1	0.14	0.01	
120		119.80m to 123.55m: Massive lava; light grey to grey color.																	123.35	2.00	0.01	0.1	0.43	0.01	
125		123.55m to 128.65m: Pillow lava; Lassel U, light grey to grey color.																	125.35	2.00	0.03	<0.1	0.92	0.02	
125																			127.35	2.00	0.02	0.2	0.51	0.02	
130		128.65m to 130.25m: Basalt dyke.																	129.35	2.00	0.06	1.3	0.68	0.07	
130		130.25m to 131.65m: Basalt dyke.																	131.35	2.00	0.06	1.0	1.37	0.08	
130		131.65m to 132.90m: Basalt dyke.																	133.35	2.00	0.06	0.5	1.31	0.04	
130		132.90m to 134.50m: Basalt dyke.																	135.35	2.00	0.24	0.1	0.42	0.10	
135		134.50m to 135.60m: Basalt dyke.																	137.35	2.00	0.01	<0.1	0.25	0.01	
135		135.60m to 137.50m: Basalt dyke.																	139.35	2.00	0.02	0.1	0.25	0.02	
140		137.50m to 141.95m: Massive lava; light grey to grey color.																	141.35	2.00	0.04	0.4	0.41	0.02	
140																			143.35	2.00	0.02	0.3	0.82	0.02	
145		141.95m to 146.25m: Pillow lava; Lassel U, light grey to grey color.																	145.35	2.00	0.05	1.1	0.93	0.03	
145																			148.00	2.65	0.01	<0.1	0.16	0.02	
150		146.25m to 150.40m: Massive lava; light grey color.																	148.00						
150		E.O.H. 150.40m																			2.40	0.01	0.1	0.17	0.01



Hole No. MJOY-17 ( 150.35m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization										Sampling		Ore Assay			
			Silicification	Argillization	Quartz veins	Epoxide veins	Epoxide disse.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Sphalerite disse.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)					
50	[Pattern]	42.00m to 54.35m: Pillow lava; Lasail U, light grey color.																					50.10	2.00	0.01	0.10	0.29	0.02
			52.10	2.00	<0.01	0.10	0.18	0.01	55	[Pattern]	54.35m to 57.35m: Massive lava; light grey color.											54.10	2.00	<0.01	<0.1	0.03	0.02	
60	[Pattern]	57.50m to 60.15m: Pillow lava; Lasail U, light grey color.																					56.10	2.00	0.01	0.10	0.16	<0.01
			58.10	2.00	0.01	0.10	0.40	0.01	65	[Pattern]	60.15m to 61.60m: Massive lava.											60.10	2.00	<0.01	0.10	0.23	<0.01	
70	[Pattern]	61.60m to 62.35m: Basalt dyke.																					62.10	2.00	<0.01	<0.1	0.06	0.02
			75	[Pattern]	62.35m to 63.20m: Basalt dyke.																					64.10	2.00	<0.01
80	[Pattern]	63.20m to 64.10m: Basalt dyke.																								66.10	2.00	<0.01
			85	[Pattern]	64.10m to 66.00m: Massive lava; light grey color.																					68.10	2.00	<0.01
90	[Pattern]	66.00m to 68.95m: Massive lava; light grey color.																								70.10	2.00	0.04
			95	[Pattern]	68.95m to 71.35m: Pillow lava; light grey color.																					72.10	2.00	0.01
100	[Pattern]	71.35m to 72.05m: Basalt dyke.																								74.10	2.00	0.02
				[Pattern]	72.05m to 73.30m: Pillow lava; light grey color.																					76.10	2.00	0.04
	[Pattern]	73.30m to 76.55m: Massive lava; light grey color.																								78.10	2.00	0.03
				[Pattern]	76.55m to 79.00m: Pillow lava; Lasail U, light grey color.																					80.10	2.00	0.03
	[Pattern]	79.00m to 87.00m: Massive lava; light grey color.																								82.10	2.00	0.01
				[Pattern]	87.00m to 88.35m: Basalt dyke.																					84.10	2.00	0.05
	[Pattern]	88.35m to 89.30m: Basalt dyke.																								86.10	2.00	0.02
				[Pattern]	89.30m to 90.50m: Massive lava.																					88.10	2.00	0.02
	[Pattern]	90.50m to 93.45m: Pillow lava; light grey color.																								90.10	2.00	0.02
				[Pattern]	93.45m to 94.55m: Basalt dyke.																					92.10	2.00	<0.01
	[Pattern]	94.55m to 101.95m: Massive lava; light grey to grey color.																								94.10	2.00	0.02
				[Pattern]																						96.10	2.00	0.01
	[Pattern]																									98.10	2.00	0.02
				[Pattern]																						100.00	2.00	0.05

Hole No. MJOY-17 ( 150.35m ; from 100.00 m to 150.35 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization					Sampling		Ore Assay			
			Silicification	Argillization	Quartz veins	Epithermal veins	Epithermal veins	Epithermal veins	Calcite veins	Massive sulfide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Sphalerite disse.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)
100		94.55m to 101.95m: Massive lava; light grey to grey color.																100.10	2.00	0.06	0.4	1.41	0.01
		101.95m to 104.60m: Massive lava; light grey color.																102.10	2.00	0.01	0.1	0.27	<0.01
105		104.60m to 107.40m: Basalt dyke.																104.10	2.00	0.04	0.4	0.68	<0.01
		107.40m to 107.65m: Basalt dyke.																106.10	2.00	0.06	0.6	0.83	<0.01
		107.65m to 108.80m: Massive lava.																108.10	2.00	0.01	0.1	0.14	<0.01
110		108.80m to 109.90m: Basalt dyke.																110.10	2.00	<0.01	0.2	0.17	<0.01
		109.90m to 110.80m: Massive lava.																112.10	2.00	<0.01	0.2	0.17	<0.01
		110.80m to 111.65m: Basalt dyke.																112.10	2.00	0.03	0.3	0.25	<0.01
115		111.65m to 119.30m: Massive lava; light grey color.																114.10	2.00	0.04	0.5	0.64	0.01
		119.30m to 119.80m: Brecciated part.																116.10	2.00	0.03	0.2	0.33	0.01
		119.80m to 125.80m: Massive lava; light grey color.																118.10	2.00	0.02	0.4	0.26	0.01
120		125.80m to 128.20m: Pillow lava; light grey color.																120.10	2.00	0.01	0.1	0.10	<0.01
		128.20m to 128.60m: Massive lava.																122.10	2.00	0.01	0.1	0.13	<0.01
125		128.60m to 130.45m: Basalt dyke.																124.10	2.00	0.01	0.1	0.14	<0.01
		130.45m to 130.90m: Basalt dyke.																126.10	2.00	<0.01	<0.1	0.03	<0.01
		130.90m to 135.75m: Massive lava; light grey color.																128.10	2.00	0.05	0.1	0.08	<0.01
130		135.75m to 136.75m: Basalt dyke.																130.10	2.00	<0.01	<0.1	0.06	<0.01
		136.75m to 139.25m: Massive lava; light grey color.																132.10	2.00	<0.01	<0.1	0.03	<0.01
135		139.25m to 140.10m: Basalt dyke.																134.10	2.00	0.04	0.2	0.30	0.01
		140.10m to 142.50m: Pillow lava; light grey to grey color, pillow structures are not clear.																136.10	2.00	0.01	0.1	0.07	<0.01
140		142.50m to 146.30m: Massive lava; light grey color.																138.10	2.00	0.02	<0.1	0.03	<0.01
		146.30m to 148.70m: Basalt lava.																140.10	2.00	0.15	0.2	0.27	0.01
145		148.70m to 149m: Basalt dyke.																142.10	2.00	0.03	0.2	0.19	0.01
		149m to 150.35m: Massive lava. E.O.H. 150.35m																144.10	2.00	<0.01	0.2	0.02	<0.01
150																		146.10	2.00	0.03	0.1	0.16	<0.01
																		148.10	2.25	0.09	0.2	0.04	<0.01

Hole No. MJOY-18 ( 150.35m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration								Mineralization							Sampling		Ore Assay					
			Silicification	Argilization	Quartz veinlets	Epidoite veinlets	Epidoite	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite	Sphalerite veinlets	Sphalerite disse.	Sphalerite veinlets	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	
0		0m to 10.65m: Massive lava; slightly weathered, gossanized and argilized along sulphide veinlets, Cu-oxides in place.																							
10.65		10.65m to 17.75m: Pillow lava; slightly weathered, gossanized and argilized along sulphide veinlets, Cu-oxides in place.																							
17.75		17.75m to 20.00m: Massive lava; slightly weathered, gossanized and argilized along sulphide veinlets, Cu-oxides in place.																							
20.00		20.00m to 25.05m: Pillow lava; slightly weathered, gossanized and argilized along sulphide veinlets, Cu-oxides in place.																							
25.05		25.05m to 34.10m: Massive lava; slightly weathered, gossanized and argilized along sulphide veinlets, Cu-oxides in place.																							
34.10		34.10m to 35.55m: Pillow lava; light grey color.																							
35.55		35.55m to 43.90m: Massive lava; light grey color, slightly argilized along sulphide veinlets.																							
43.90		43.90m to 45.30m: Basalt dike.																							
45.30		45.30m to 50.65m: Massive lava; light grey color.																							
47.30																									
49.30																									



Hole No. MJOY-18 ( 150.35m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization						Sampling		Ore Assay			
			Silicification	Argillization	Quartz veins	Epithermal veins	Epithermal veins	Epithermal veins	Calcic veins	Massive sulfide	Stockwork	Pyrite veins	Pyrite disseminated	Chalcopyrite disseminated	Chalcopyrite veins	Sphalerite disseminated	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)
50		45.30m to 50.85m: Massive lava; light grey color.																	2.00	0.04	0.7	1.04		
		50.85m to 52.10m: Basalt dike.																	51.30					
		52.10m to 53.00m: Basalt dike.																	53.30	2.00	0.05	0.4	0.68	
		53.00m to 53.85m: Basalt dike.																	55.30	2.00	0.05	0.1	0.24	
55		53.85m to 57.75m: Massive lava; light grey to grey color.																	57.30	2.00	0.03	0.2	0.35	
		57.75m to 58.30m: Basalt dike.																	59.30	2.00	0.03	0.6	0.69	
60		58.30m to 60.80m: Massive lava; light grey color.																	61.30	2.00	0.03	0.5	1.01	
		60.80m to 65.95m: Massive lava; light grey color.																	63.30	2.00	0.01	0.2	0.28	
		65.95m to 66.95m: Basalt dike.																	65.30	2.00	0.03	0.2	0.91	
		66.95m to 70.45m: Massive lava; light grey color.																	67.30	2.00	0.03	0.8	0.47	
70		70.45m to 71.60m: Basalt dike.																	69.30	2.00	0.03	0.4	0.34	
		71.60m to 83.45m: Massive lava; light grey color.																	71.30	2.00	0.01	0.7	0.28	
		83.45m to 84.50m: Basalt dike.																	73.30	2.00	0.01	0.1	0.08	
		84.50m to 85.80m: Basalt dike.																	75.30	2.00	0.01	<0.1	0.10	
75		85.80m to 87.50m: Basalt dike.																	77.30	2.00	0.07	0.7	0.85	
		87.50m to 87.90m: Basalt dike.																	79.30	2.00	0.09	1.7	1.58	
		87.90m to 88.35m: Basalt dike.																	81.30	2.00	0.03	0.7	0.20	
		88.35m to 90.45m: Basalt dike.																	83.30	2.00	0.02	0.8	0.20	
		90.45m to 92.10m: Basalt dike.																	85.30	2.00	0.02	0.3	0.12	
85		92.10m to 94.40m: Massive lava; light grey color.																	87.30	2.00	0.02	0.6	0.20	
		94.40m to 94.95m: Basalt dike.																	89.30	2.00	0.01	0.5	0.13	
		94.95m to 104.80m: Massive lava; light grey color.																	91.30	2.00	0.01	0.2	0.06	
90																			93.30	2.00	0.02	0.4	0.26	
																			95.30	2.00	0.01	0.3	0.11	
95																			97.30	2.00	0.06	0.7	0.24	
100																			99.30	2.00	0.06	0.6	0.11	

Hole No. MJOY-18 ( 150.35m ; from 100.00 m to 150.35 m )

Depth (m)	Chart	Lithology	Alteration											Mineralization					Sampling		Ore Assay								
			Silicification	Argillization	Quartz veins	Epithel. veins	Epithel. disse.	Calcite veins	Massive Sulfide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Sphalerite	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)						
100		94.95m to 104.80m: Massive lava; light grey color.																101.30	2.00	0.02	0.5	0.16							
																			103.30	2.00	0.01	0.1	0.15						
105		104.80m to 108.80m: Pillow lava; Lasail U, light grey color.																	105.30	2.00	0.02	0.2	0.17						
																			107.30	2.00	0.02	0.3	0.13						
110		108.80m to 116.30m: Massive lava; light grey color.																	109.30	2.00	0.03	0.6	0.19						
																			111.30	2.00	0.05	0.1	0.09						
																			113.30	2.00	0.05	0.1	0.20						
115		116.30m to 116.80m: Basalt dike.																	115.30	2.00	0.14	0.3	0.48						
		118.80m to 123.05m: Massive lava; light grey color.																	117.30	2.00	0.05	0.2	0.19						
																			119.30	2.00	0.04	0.1	0.18						
120		123.05m to 125.30m: Basalt dike.																	121.30	2.00	0.03	0.6	0.35						
		125.30m to 130.10m: Massive lava; light grey color.																	123.30	2.00	0.03	0.7	0.80						
125		130.10m to 130.65m: Basalt dike.																	125.30	2.00	0.04	0.2	0.77						
		130.65m to 133.35m: Massive lava; light grey color.																	127.30	2.00	0.02	0.2	0.18						
																			129.30	2.00	0.03	0.7	0.80						
130		133.35m to 136.25m: Pillow lava; Lasail U, light grey color, pillow structures are not clear.																	131.30	2.00	0.05	0.1	0.42						
																			133.30	2.00	0.10	0.6	0.71						
135		136.25m to 150.35m: Massive lava; light grey color, with brecciated part in places.																	135.30	2.00	0.03	0.4	0.41						
																			137.30	2.00	0.11	2.1	3.51						
																			139.30	2.00	0.02	0.1	0.12						
140																			141.30	2.00	0.07	0.3	0.63						
																			143.30	2.00	0.09	0.3	0.92						
																			145.30	2.00	0.02	0.6	0.17						
145																			147.80	2.50	0.03	0.2	0.03						
150		E.O.H. 150.35m																	147.80	2.55	0.27	0.1	0.05						
																			150.35	2.55	0.14	0.3	0.23						

Hole No. MJOY-19 ( 150.35m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization					Sampling		Ore Assay								
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote dissems	Cubic veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissems	Chalcopyrite dissems	Chalcopyrite veins	Sphalerite dissems	Sphalerite veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)		
0		0m to 1.00m: Sludge																							
		1.00m to 3.00m: Pillow lava(?); highly weathered.																							
		3.00m to 7.10m: Pillow lava; weathered, gossanized along sulphide veinlets.																							
5																									
		7.10m to 11.15m: Massive lava; light grey color.																							
10																									
		11.15m to 16.00m: Peppelite; light greenish grey color, with irregular shaped siliceous mud.																							
15																									
		16.00m to 22.85m: Pillow lava; Lasail U, light greenish grey color.																							
20																									
		22.85m to 41.60m: Massive lava; light grey color.																							
25																									
50		49.05m to 53.55m: Pillow lava; Lasail U, light grey color.																							

Hole No. MJOY-19 ( 150.35m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization					Sampling		Ore Assay			
			Silicification	Argillization	Quartz veins	Epithermal veins	Epithermal veins	Epithermal veins	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Sphalerite disse.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)
50		49.05m to 53.55m: Pillow lava; Lasail U, light grey color.																51.00	2.00	0.01	0.1	0.08	
																		53.00	2.00	<0.01	0.2	0.10	
55		53.55m to 56.05m: Massive lava; light grey color.																55.00	2.00	<0.01	0.4	0.08	
																		57.00	2.00	0.01	0.3	0.12	
		56.05m to 78.55m: Pillow lava; Lasail U, light grey to greenish grey color.																59.00	2.00	0.09	0.7	0.47	
60																		61.00	2.00	0.03	0.6	0.20	
																		63.00	2.00	0.03	0.5	0.20	
																		65.00	2.00	0.02	0.4	0.13	
65																		67.00	2.00	0.02	0.3	0.10	
																		69.00	2.00	<0.01	0.3	0.04	
																		71.00	2.00	0.01	0.4	0.03	
																		73.00	2.00	0.02	0.2	0.02	
																		75.00	2.00	0.03	0.1	0.03	
75																		77.00	2.00	0.02	0.3	0.03	
																		79.00	2.00	0.03	1.0	0.24	
		78.55m to 89.35m: Massive lava; light grey color.																81.00	2.00	0.08	0.6	0.35	
80																		83.00	2.00	0.01	0.5	0.44	
																		85.00	2.00	0.04	0.2	0.23	
																		87.00	2.00	0.01	0.1	0.03	
																		89.00	2.00	0.08	0.2	0.08	
90		89.35m to 91.30m: Pillow lava; light grey to grey color.																91.00	2.00	0.10	0.6	0.50	
		91.30m to 93.00m: Massive lava; light grey to greenish grey color, with varicose texture in place.																93.00	2.00	0.01	0.7	0.05	
																		95.00	2.00	0.05	0.4	0.13	
95																		97.00	2.00	0.12	0.2	0.11	
																		99.00	2.00	0.01	0.2	0.03	
100																							

Hole No. MJOY-19 ( 150.35m ; from 100.00 m to 150.35 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization								Sampling		Ore Assay							
			Silicification	Argillization	Quartz veins	veinlets	Epidote veinlets	Epidote disse.	Calcite veinlets	Massive Sulfide	Sootwork	Pyrite veinlets	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veinlets	Sphalerite disse.	Sphalerite veinlets	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)						
100		91.30m to 103.30m: Pillow lava; Lasail U, light greenish grey color, with variole texture in place.																	101.00	2.00	<0.01	0.1	<0.01							
		103.30m to 110.10m: Massive lava; light greenish grey color.																	103.00	2.00	<0.01	0.2	<0.01							
105																			105.00	2.00	<0.01	1.1	0.03							
		110.10m to 114.30m: Pillow lava; light grey color.																	107.00	2.00	0.02	0.3	0.08							
110																			109.00	2.00	0.02	0.8	0.26							
		114.30m to 121.90m: Massive lava; light grey color.																	111.00	2.00	0.01	0.8	0.06							
115																			113.00	2.00	0.01	0.3	0.09							
		121.90m to 131.25m: Pillow lava; Lasail U, light grey to grey color.																	115.00	2.00	0.05	0.8	0.15							
120																			117.00	2.00	0.01	0.5	0.07							
		131.25m to 134.20m: Massive lava; light grey color.																	119.00	2.00	0.10	0.1	0.06							
125																			121.00	2.00	0.04	0.4	0.08							
		134.20m to 148.90m: Pillow lava; Lasail U, light grey color with thick interpillows (10 to 60cm).																	123.00	2.00	0.04	0.7	0.26							
130																			125.00	2.00	0.01	0.2	0.04							
		145.15m to 147.75m; with variole texture.																	127.00	2.00	0.04	1.0	0.35							
135																			129.00	2.00	0.02	0.3	0.07							
		148.90m to 150.35m: Massive lava; light grey color. E.O.H. 150.35m																	131.00	2.00	0.02	0.4	0.26							
140																			133.00	2.00	0.01	0.4	0.18							
																			135.00	2.00	0.02	0.3	0.08							
145																			137.00	2.00	0.05	0.4	0.12							
																			139.00	2.00	0.04	0.3	0.13							
150																			141.00	2.00	0.14	0.7	0.76							
																			143.00	2.00	0.08	0.4	0.27							
																			145.00	2.50	0.05	0.5	0.36							
																			148.00	2.50	0.03	0.3	0.11							
																					2.35	0.05	0.9	0.71						

Hole No. MJOY-20 ( 150.35m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration											Mineralization								Sampling		Ore Assay									
			Silicification	Argillization	Quartz veinslets	Epithermal veinslets	Epithermal disse.	Calcite veinslets	Massive Sulphide	Stockwork	Pyrite veinslets	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite disse.	Sphalerite veinslets	Sphalerite disse.	Sphalerite veinslets	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)									
0		0m to 1.50m: Sludge																															
5		1.50m to 11.55m: Pillow lava(?); weathered, gossanized along sulphide veinslets.																															
10																																	
15		11.55m to 50.95m: Pillow lava; Lashill U, auto-brecciated, pillow structures are not clear, light grey to grey color.																															
20																																	
25																																	
30																																	
35																																	
40		37.10m to 40.90m; with peperite in places.																															
45																																	
50																																	

Hole No. MJOY-20 ( 150.35m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization						Sampling		Ore Assay			
			Silicification	Argillization	Quartz veins/veinlets	Epidote veins/veinlets	Epilote disse.	Calcite veins/veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite disse.	Chalcopirite disse.	Chalcopirite veinlets	Sphalerite disse.	Sphalerite veinlets	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	
50	[Cross-hatched pattern]	11.53m to 50.95m: Pillow lava; Lasail U, autobrecciated, pillow structures are not clear, light grey to grey color. 50.95m to 56.70m: Massive lava; light grey to light greenish grey color.																						
51.55			2.00	0.02	0.4	0.16																		
55	[Cross-hatched pattern]	56.70m to 66.40m: Pillow lava; light greenish grey color, pillow structures are not clear.																						
53.55			2.00	0.02	0.4	0.28																		
60	[Cross-hatched pattern]	66.40m to 74.00m: Massive lava; light greenish grey color, coarse grained, doleritic texture.																						
55.55			2.00	0.02	0.5	0.20																		
65	[Cross-hatched pattern]	74.00m to 80.20m: Pillow lava; light grey color.																						
57.55			2.00	0.01	0.2	0.03																		
70	[Cross-hatched pattern]	80.20m to 82.60m: Massive lava; light grey color.																						
59.55			2.00	0.02	0.3	0.30																		
75	[Cross-hatched pattern]	82.60m to 114.95m: Pillow lava; Lasail U, light grey to grey color.																						
61.55			2.00	0.02	0.4	0.73																		
80	[Cross-hatched pattern]	98.10m to 101.15m: with jaspars in interpillows.																						
63.55			2.00	0.02	0.4	0.39																		
85																								
90																								
95																								
100																								









Hole No. MJOY-21 ( 150.05m ; from 100.00 m to 150.05 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization							Sampling		Ore Assay					
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote disse.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Sphalerite disse.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)
100		91.70m to 100.20m: Pillow lava; light grey color.																100.85						
		100.20m to 111.80m: Massive lava; light greenish grey color.																102.85	2.00	0.02	0.1	0.22	<0.01	
																		104.85	2.00	0.01	0.1	0.23	0.01	
105																		106.85	2.00	0.01	0.1	0.18	<0.01	
																		108.85	2.00	0.01	0.2	0.20	<0.01	
																		110.85	2.00	0.01	<0.1	0.08	0.02	
110																		112.85	2.00	<0.01	<0.1	0.05	<0.01	
		111.80m to 113.05m: Basalt dyke																114.85	2.00	0.01	<0.1	0.30	<0.01	
		113.05m to 115.30m: Massive lava; light grey color.																116.85	2.00	0.01	0.1	0.29	0.01	
115		115.30m to 117.50m: Pillow lava; light grey color.																118.85	2.00	0.01	0.1	0.03	<0.01	
		117.50m to 118.00m: Basalt dyke																120.85	2.00	<0.01	<0.1	0.02	<0.01	
		118.00m to 123.90m: Pillow lava; Lasail U. light grey color.																122.85	2.00	<0.01	<0.1	0.09	0.01	
																		124.85	2.00	<0.01	<0.1	0.05	<0.01	
125		123.90m to 126.75m: Massive lava; light grey color.																126.85	2.00	0.01	<0.1	0.16	0.01	
		126.75m to 128.35m: Pillow lava; Lasail U. light grey color.																128.85	2.00	0.02	<0.1	0.32	0.01	
		128.35m to 129.00m: Basalt dyke																130.85	2.00	<0.01	<0.1	0.04	0.01	
		129.00m to 130.13m: Pillow lava																132.85	2.00	0.05	0.1	0.91	0.01	
130		130.13m to 130.30m: Basalt dyke																134.85	2.00	0.34	0.1	0.15	0.01	
		130.30m to 135.15m: Pillow lava; light grey color; pillow structures are not clear.																136.85	2.00	0.01	0.2	0.32	0.01	
																		138.85	2.00	<0.01	<0.1	0.02	<0.01	
135		135.15m to 135.55m: Basalt dyke																140.85	2.00	<0.01	<0.1	0.23	<0.01	
		135.55m to 145.70m: Massive lava; light grey color.																142.85	2.00	0.01	0.1	0.44	0.01	
																		144.85	2.00	0.02	0.1	0.77	0.01	
140																		146.85	2.00	0.02	0.2	0.79	0.02	
		145.70m to 147.10m: Basalt dyke																148.85	2.00	0.01	0.1	0.30	0.01	
		147.10m to 150.05m: Massive lava; light grey color.																148.85	2.00	0.01	0.1	0.30	0.01	
150		E.O.H. 150.05m																	1.20	0.03	0.1	0.33	0.01	

Hole No. MJOY-22 ( 150.35m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration			Mineralization							Sampling		Ore Assay								
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote dissemi.	Calcite veins	Manganese Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)
0		0m to 2.00m: Sludge																					
5		2.00m to 11.80m: Calcrete; poorly consolidated.																					
10		11.80m to 17.20m: Calcrete; consolidated.																					
15		17.20m to 17.75m: Pillow lava; pale greenish grey color.																					
20		17.75m to 22.25m: Massive lava; light grey color.																					
25		22.25m to 23.15m: Pillow lava; pale brownish grey color, brecciated.																					
30		23.15m to 26.80m: Sheared zone; pillow lava? with a schistosity like structure.																					
35		26.80m to 32.75m: Pillow lava; greenish and buff color, with a variole texture.																					
40		32.75m to 47.25m: Pillow lava; Lasail U., dark greenish grey color, with a variole texture.																					
45		47.25m to 47.90m: Hyaloclastite																					
50		47.90m to 55.40m: Pillow lava; Lasail U., dark greenish grey color, with a variole texture.																					

Hole No. MJOY-22 ( 150.35m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration								Mineralization							Sampling		Ore Assay									
			Silicification	Argillization	Quartz veins	Epilore veins	Epilore disse.	Calcite veins	Massive	Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Sphalerite disse.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)					
50		47.90m to 55.40m: Pillow lava; Lasail U, dark greenish grey color, with a variole texture.																											
55		55.40m to 56.45m: Hyaloclastite																											
60		58.45m to 72.50m: Pillow lava; Lasail U, dark greenish grey color.																											
75		72.50m to 79.25m: Massive lava; greenish grey to light greenish grey color.																											
80		79.25m to 98.70m: Pillow lava; Lasail U, dark greenish grey color, with dense Qtz. Network, with jasper in interpillows.																											
98.70m to 101.30m		Hyaloclastite																											

Hole No. MJOY-22 ( 150.35m ; from 100.00 m to 150.35 m )

Depth (m)	Chart	Lithology	Alteration									Mineralization							Sampling		Ore Assay						
			Silicification	Argillization	Quartz veins	Epideve veins	Epideve dissemi.	Calcifera	Masive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite	Chalcopyrite dissemi.	Sphalerite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)			
100		98.70m to 101.30m: Hyaloclastite																									
101.30m to 102.45m:		Pillow lava; Lasaï U, dark greenish grey color.																									
102.45m to 107.05m:		Massive lava; light greenish grey color.																									
107.05m to 112.20m:		Massive lava; poparite, greenish grey color.																									
112.20m to 113.90m:		Massive lava; light greenish grey color.																									
113.90m to 139.15m:		Pillow lava; dark greenish grey color, sheared, hematite filling along fractures.																									
139.15m to 141.35m:		Massive lava; light grey color.																									
141.35m to 150.35m:		Pillow lava; grey to light grey color, sheared in places.																									
150.35m		E.O.H. 150.35m																									



Hole No. MJOY-23 ( 150.35m ; from 50.00 m to 100.0 m )

Depth (m)	Chart	Lithology	Alteration												Mineralization						Sampling		Ore Assay					
			Silicification	Argilization	Quartz veined	Epidote veins	Epidote dissemi.	Calcite veins	Magnetite	Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)				
50		24.80m to 124.85m: Pillow lava, basaltic, pale brownish grey to pale greenish grey color, with variose texture(24.80m to 52.30m)																										
55		with variose texture in places.																										
60																												
65																												
66.80		66.80m to 80.80m: light greenish grey color, with variose texture.																										
70																												
75																												
80																												
85																												
86.80		with variose texture in places.																										
90																												
95																												
100																												





Hole No. MJOY-24 ( 150.35m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization								Sampling		Ore Assay					
			Silicification	Argillization	Quartz veinstes	Epidote veinstes	Epidote dissemi.	Calcite veinstes	Massive Sulphide	Stockwork	Pyrite veinstes	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veinstes	Sphalerite dissemi.	Sphalerite veinstes	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)					
0		0m to 3.00m: Sludge																										
5		3.00m to 3.70m: Calcrete																										
10		3.70m to 19.20m: Pillow lava; Geotimes U, light greenish grey color, gossanized in places, with dense quartz veinstes associated with specularite.																										
15		19.20m to 33.70m: Pillow lava; Geotimes U, light greenish grey color, intense silicification in interpillows, with dense quartz veinstes associated with specularite.																										
20		33.70m to 59.85m: Pillow lava; Lasaal U, light greenish grey to greenish grey color, with varicose texture in places, with dense quartz veinstes associated with hematite and specularite.																										
25																												
30																												
35																												
40																												
45																												
50																												

Hole No. MJOY-24 ( 150.35m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization							Sampling		Ore Assay						
			Silicification	Argillization	Quartz veining	Epitaxial veining	Epitaxial dissemination	Calcite veining	Massive Sulfide	Stockwork	Pyrite veins	Pyrite disseminations	Chalcopyrite disseminations	Sphalerite veins	Sphalerite disseminations	Veining	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)		
50	U	33.70m to 59.85m: Pillow lava; Lasil U, light greenish grey to greenish grey color, with variolo texture in places, with dense quartz veinlets associated with hematite and specularite.																							
55	U	with variolo texture in places.																							
60	T	59.85m to 61.75m: Hyaloclastite; greenish grey color, abundant quartz in matrix.																							
65	T	61.75m to 63.65m: Pillow lava; Lasil U, light greenish grey color.																							
65	T	63.65m to 72.60m: Hyaloclastite; greenish grey color, abundant quartz in matrix, some breccia shows a variolo texture.																							
70	T	68.80m to 80.60m: light greenish grey color, with variolo texture.																							
75	U	72.60m to 86.65m: Pillow lava; Lasil U, greenish grey color, quartz veinlets contains too much specularite, with variolo texture in places.																							
80	U																								
85	U																								
86.30																									
88.30																									
90	T	86.65m to 90.00m: Hyaloclastite; light greenish grey color.																							
90	U	Fault(45deg. to core axis)																							
95	U	90.00m to 118.80m: Pillow lava; Lasil U, hyaloclastic, light greenish grey color, with quartz veinlets associated with too much specularite.																							
95	U																								
96.30																									
98.30																									
100	U																								

Hole No. MJOY-24 ( 150.35m ; from 100.00 m to 150.35 m )

Depth (m)	Chart	Lithology	Alteration								Mineralization							Sampling		Ore Assay								
			Silicification	Argilization	Quartz veins	Epidote veins	Epidote disse	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite disse	Chalcopyrite disse	Chalcopyrite veins	Sphalerite disse	Sphalerite veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)					
100		90.00m to 118.80m: Pillow lava; Lasail U, hyaloclastic, light greenish grey color, with quartz veinlets associated with too much specularite.																100.30	2.00	0.01	<0.2	0.01						
105		109.60m to 113.45m: abundant jasper in interpillows.																	102.30	2.00	0.01	<0.2	0.05					
110		116.35m to 121.90m: abundant jasper in interpillows.																	104.30	2.00	<0.01	<0.2	0.03					
115		118.80m to 121.15m: Massive lava; light greenish grey color.																	106.30	2.00	<0.01	<0.2	0.01					
120		121.15m to 122.40m: Pillow lava; Lasail U, light greenish grey color, with variole texture.																	108.30	2.00	<0.01	<0.2	0.02					
125		122.40m to 132.00m: Massive lava; light greenish grey color, quartz veinlets accompanied with specularite.																	110.30	2.00	<0.01	<0.2	0.02					
130		132.00m to 142.60m: Pillow lava; Lasail U, light greenish grey color, with variole texture, quartz veinlets accompanied with specularite.																	112.30	2.00	0.01	<0.2	0.05					
135																			114.30	2.00	<0.01	<0.2	0.02					
140																			116.30	2.00	0.01	<0.2	0.02					
145																			118.30	2.00	0.01	<0.2	0.02					
150																			120.30	2.00	0.01	<0.2	0.03					
																			122.30	2.00	0.01	<0.2	0.03					
																			124.30	2.00	<0.01	<0.2	0.01					
																			126.30	2.00	<0.01	<0.2	0.06					
																			128.30	2.00	<0.01	<0.2	0.03					
																			130.30	2.00	<0.01	<0.2	0.03					
																			132.30	2.00	0.01	<0.2	0.03					
																			133.70	1.40	<0.01	<0.2	0.02					
		E.O.H. 150.35m																										

Hole No. MJOY-25 ( 153.40m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration									Mineralization							Sampling		Ore Assay								
			Silicification	Argilization	Quartz veins	Epithermal veins	Epithermal disse.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcoprite disse.	Chalcopyrite veins	Sphalerite disse.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)						
0		0m to 1.00m: Sludge																											
		1.00m to 3.45m: Wadi sediments; gravels																											
5		3.45m to 16.45m: Calcrete																											
15																													
20		16.45m to 48.25m: Pillow lava; Lasail U, pale purplish grey color.																											
25																													
30																													
35																													
40																													
45																													
50		48.25m to 48.45m: Fault(75deg. to core axis) 48.45m to 78.40m: Pillow lava; Lasail U, light greenish grey color, with variole texture in place.																											

Hole No. MJOY-25 ( 153.40m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration			Mineralization							Sampling		Ore Assay										
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote dissemi.	Calcite veins	Muscov. Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)		
50		48.45m to 78.40m: Pillow lava; Lasail U, light greenish grey color, with varieole texture in place.																							
55		below 54.50m: light greenish grey to pale purplish grey color.																							
60																									
65																									
70																									
75																									
80		78.40m to 87.90m: Pillow lava; brown to brownish grey color.																							
85																									
90		87.90m to 88.10m: Fault(60deg. to core axis) 88.10m to 88.40m: Fault breccia 88.40m to 89.75m: Pillow lava; light greenish grey color. 89.75m to 90.00m: Metalliferous sediments																							
95		90.00m to 153.40m: Pillow lava; Lasail U, light greenish grey color, with varieole texture in places.																							
100		94.80m to E.D.H.: Qtz veinlets accompanied with specularite, strong silicification in interpillows.																							

Hole No. MJOY-25 ( 153.40m ; from 100.00 m to 153.40 m )

Depth (m)	Chart	Lithology	Alteration			Mineralization							Sampling		Ore Assay										
			Silicification	Argillization	Quartz veins	Epidoite veins	Epidoite disse.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Sphalerite disse.	Sphalerite veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)		
100		90.00m to 153.40m: Pillow lava; Laxial U, light greenish grey color, with variole texture in places.																							
105																									
110																									
115																									
120																									
125																									
130																									
135																									
140																	138.80	2.00	<0.01	<0.2	0.02				
140																	140.80	2.00	0.01	<0.2	0.03				
142																	142.80	1.95	0.01	<0.2	0.16				
144																	144.75	2.00	0.02	<0.2	0.08				
146																	146.75	2.00	0.01	<0.2	0.06				
148																	148.75	2.25	0.01	<0.2	0.04				
150																	151.00								

E.O.H. 153.40m

Hole No. MJOY-26 ( 150.35m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration										Mineralization							Sampling		Ore Assay							
			Silicification	Argillization	Quartz veinlets	Epidote veinlets	Epidote dissemi.	Calcite veinlets	Massive Sulphide	Stockwork	Pyrite veinlets	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veinlets	Sphalerite dissemi.	Sphalerite veinlets	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)						
0		0m to 1.00m: Sludge																											
		1.00m to 5.40m: Filling materials by mining operations.																											
5		5.40m to 17.65m: Pillow lava; Lasail U., weathered, with variolo texture in places, gossanized along sulphide veinlets.																											
10																													
15																													
20		17.65m to 22.35m: Pillow lava; Lasail U., light greenish grey, with variolo texture.																											
22.45		22.35m to 22.55m: Fault(40deg. to core axis)																											
23.8		22.55m to 27.05m: Pillow lava; Lasail U., grey color, with variolo texture.																											
25																													
25.5		27.05m to 27.25m: Fault(60deg. to core axis)																											
27.15		27.25m to 35.00m: Pillow lava; Lasail U., light grey color, with variolo texture in many places.																											
30																													
35		35.00m to 35.20m: Fault(35deg. to core axis)																											
35.1		35.20m to 38.05m: Pillow lava; Lasail U., grey color, brecciated.																											
38.6		38.05m to 38.25m: Fault(25deg. to core axis)																											
38.15		38.25m to 63.90m: Pillow lava; Lasail U., grey color, brecciated.																											
40																													
40.15																													
42.15																													
44.15																													
45																													
46.15																													
48.15																													
50																													



Hole No. MJOY-26 ( 150.35m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration								Mineralization						Sampling		Ore Assay										
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote dissemi.	Calcite veins	Massive Sulfide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Sphalerite dissemi.	Sphalerite veins	Magnetite	Depth (m)	D.L. (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)						
50		38.25m to 63.90m: Pillow lava; Lasail U, grey color, brecciated.															50.15												
																		2	0.44	0.5	0.53								
																		52.15											
		54.10m to 62.95m; with variole texture.																2	0.38	0.6	0.44								
55																		54.15											
																		2	0.48	0.6	0.53								
																		58.15											
																		2	0.12	0.4	0.17								
																		58.15											
																		1.5	0.09	0.4	0.54								
60																		59.65											
																		2	0.13	0.3	0.09								
																		61.65											
																		1.5	0.76	1.0	0.03								
																		63.15											
65		63.90m to 124.75m: Pillow lava; Lasail U, light greenish grey color, with variole texture and strong chlorite alteration.																											
70																													
75		below 74.00m; with very fine grained pyrite bearing qtz.veinlets many pieces.																											
80																													
85																													
90																													
95																													
100																													



Hole No. MJOY-27 ( 150.35m ; from 0.00 m to 50.00 m )

Depth (m)	Chart	Lithology	Alteration												Sampling		Ore Assay									
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote disse.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite disse.	Chalcopyrite disse.	Chalcopyrite veins	Sphalerite disse.	Sphalerite veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)			
0		0m to 4.00m: Pillow lava; weathered																								
5		4.00m to 8.05m: Pillow lava; Lasail U, light grey color.																								
		8.05m to 8.30m: Basalt dyke																								
10		8.30m to 12.00m: Pillow lava; Lasail U, light grey color.																								
		12.00m to 12.55m: Basalt dyke																								
		12.55m to 17.10m: Pillow lava; Lasail U, light grey color.																								
15		17.10m to 19.05m: Massive lava; light grey color.																								
		19.05m to 21.45m: Pillow lava; light grey color.																								
		21.45m to 22.90m: Basalt dyke																								
		22.90m to 23.30m: Pillow lava; light grey color.																								
		23.30m to 24.40m: Basalt dyke																								
25		24.40m to 31.35m: Pillow lava; light grey color.																								
		31.35m to 31.90m: Basalt dyke																								
		31.90m to 34.10m: Pillow lava; light grey color.																								
35		34.10m to 40.55m: Massive lava; coarse grained, light grey color.																								
		40.55m to 41.40m: Pillow lava; light grey color.																								
		41.40m to 46.85m: Massive lava; light grey color.																								
45		46.85m to 49.40m: Basalt dyke																								
50		49.40m to 52.55m: Pillow lava; light grey color.																								

Hole No. MJOY-27 ( 150.35m ; from 50.00 m to 100.00 m )

Depth (m)	Chart	Lithology	Alteration							Mineralization							Sampling		Ore Assay							
			Silicification	Argillization	Quartz veins	Epidote veins	Epidote dissemi.	Calcite veins	Massive Sulphide	Stockwork	Pyrite veins	Pyrite dissemi.	Chalcopyrite dissemi.	Chalcopyrite veins	Spilante dissemi.	Spilante veins	Magnetite	Depth (m)	D.L (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)			
50		49.40m to 52.55m: Pillow lava; light grey color.																								
		52.55m to 58.45m: Massive lava; light grey color.																								
55		58.45m to 80.25m: Pillow lava; light grey color.																								
		60.25m to 62.35m: Massive lava; light grey color.																								
		62.35m to 64.30m: Pillow lava; Lasail U, light grey color.																								
65		64.30m to 67.65m: Massive lava; light grey color.																								
		67.65m to 86.55m: Pillow lava; Lasail U, light grey color.																								
70																										
75																										
80																										
		86.55m to 88.30m: Massive lava; light grey color.																								
		88.30m to 94.55m: Pillow lava; Lasail U, light grey color.																								
90																										
		94.55m to 100.40m: Massive lava; light grey color.																								
95																										
100																										



## **Appendix 4**

### **Assay results of drilling cores**

MJOY-2

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	2-1	0.00	2.00	2	0.22	0.8	0.22	13	0.02	17.99
2	2-2	2.00	4.00	2	0.30	1.0	0.29	15	0.01	19.24
3	2-3	4.00	6.00	2	0.19	0.5	0.49	13	0.01	18.15
4	2-4	6.00	8.00	2	0.25	0.5	0.55	15	0.01	16.42
5	2-5	8.00	10.00	2	0.16	0.8	0.56	15	0.14	16.77
6	2-6	10.00	12.80	2.8	0.13	0.5	0.70	15	0.02	20.05
7	2-7	12.80	13.80	1	0.20	1.5	3.08	18	0.01	17.85
8	2-8	13.80	15.80	2	0.10	2.3	0.54	13	0.01	16.77
9	2-9	15.80	17.70	1.9	0.13	0.5	0.28	15	0.01	16.56
10	2-10	17.70	19.70	2	0.40	1.0	0.78	13	0.01	16.22
11	2-11	19.70	21.70	2	0.13	1.3	1.40	15	0.01	18.45
12	2-12	21.70	23.70	2	0.20	2.3	3.30	13	0.01	20.60
13	2-13	23.70	25.70	2	0.12	1.0	1.72	10	0.01	18.42
14	2-14	25.70	27.70	2	0.25	2.0	0.90	8	0.01	19.12
15	2-15	27.70	29.70	2	0.15	2.5	0.73	8	0.01	20.16
16	2-16	29.70	31.70	2	0.12	2.8	1.27	10	0.01	20.44
17	2-17	31.70	33.70	2	0.10	1.5	1.23	10	0.01	17.86
18	2-18	33.70	35.70	2	0.16	2.5	0.67	13	0.01	18.11
19	2-19	35.70	37.70	2	0.11	1.0	0.56	8	0.01	18.00
20	2-20	37.70	39.70	2	1.20	1.0	0.70	10	0.01	17.04
21	2-21	39.70	41.70	2	0.30	2.3	0.65	18	0.01	18.10
22	2-22	41.70	43.70	2	0.14	0.8	0.49	15	0.01	18.66
23	2-23	43.70	45.70	2	2.40	2.5	0.84	23	0.01	18.51
24	2-24	45.70	47.70	2	0.30	1.0	0.65	28	0.01	17.99
25	2-25	47.70	49.70	2	0.10	0.8	0.64	28	0.02	16.28
26	2-26	49.70	51.70	2	0.50	0.5	0.47	25	0.01	14.40
27	2-27	51.70	53.70	2	0.60	0.5	0.48	28	0.01	16.81
28	2-28	53.70	55.70	2	0.14	1.3	0.93	38	0.01	17.42
29	2-29	55.70	57.70	2	0.10	1.8	1.31	40	0.01	16.39
30	2-30	57.70	59.70	2	0.40	1.3	0.86	35	0.01	18.13
31	2-31	59.70	61.70	2	0.90	2.8	2.50	13	0.01	18.69
32	2-32	61.70	63.70	2	0.14	1.0	0.78	15	0.01	19.00
33	2-33	63.70	65.70	2	0.36	0.8	0.62	15	0.01	17.50
34	2-34	65.70	67.70	2	0.10	1.0	0.68	18	0.01	18.41
35	2-35	67.70	69.70	2	0.30	0.8	0.54	18	0.01	17.99
36	2-36	69.70	71.70	2	0.50	0.5	0.42	25	0.01	16.26
37	2-37	71.70	73.70	2	0.10	0.8	0.15	23	0.01	16.71
38	2-38	73.70	75.70	2	0.60	0.5	0.18	20	0.01	16.30
39	2-39	75.70	77.70	2	0.13	0.8	0.51	18	0.02	17.36
40	2-40	77.70	79.70	2	0.20	1.0	0.57	18	0.01	17.80
41	2-41	79.70	81.70	2	0.45	1.8	0.32	10	0.01	16.43
42	2-42	81.70	83.70	2	0.30	2.0	0.28	13	0.01	16.18
43	2-43	83.70	85.70	2	0.10	2.0	0.31	10	0.02	18.24
44	2-44	85.70	87.70	2	0.33	2.0	0.34	8	0.02	16.13
45	2-45	87.70	89.70	2	0.17	2.3	0.95	8	0.03	17.49
46	2-46	89.70	91.70	2	1.07	1.8	0.33	5	0.02	14.04
47	2-47	91.70	93.70	2	0.26	2.0	0.43	13	0.02	16.84
48	2-48	93.70	95.70	2	0.15	2.0	0.40	10	0.02	17.90
49	2-49	95.70	97.70	2	0.10	1.5	0.22	10	0.02	16.01

MJOY-2

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe <sub>2</sub> O <sub>3</sub> (%)
		From	To							
50	2- 50	97.70	99.70	2	0.10	1.8	0.45	13	0.02	14.23
51	2- 51	99.70	101.70	2	0.80	1.8	0.55	8	0.03	15.94
52	2- 52	101.70	103.70	2	0.20	1.8	0.11	5	0.02	15.43
53	2- 53	103.70	105.70	2	0.44	2.3	0.18	8	0.02	15.36
54	2- 54	105.70	107.70	2	0.05	2.3	0.43	5	0.02	19.90
55	2- 55	107.70	109.70	2	0.27	1.8	0.13	10	0.02	14.65
56	2- 56	109.70	111.70	2	0.19	1.8	0.22	15	0.02	19.89
57	2- 57	111.70	113.70	2	0.15	2.5	0.79	13	0.03	18.97
58	2- 58	113.70	115.70	2	0.10	2.0	0.34	8	0.02	17.17
59	2- 59	115.70	117.70	2	0.21	2.5	0.66	8	0.03	17.26
60	2- 60	117.70	119.70	2	0.12	1.0	0.55	5	0.03	16.56
61	2- 61	119.70	121.70	2	0.53	2.0	0.22	5	0.03	16.56
62	2- 62	121.70	123.70	2	0.37	1.3	0.43	10	0.02	17.36
63	2- 63	123.70	125.70	2	0.37	1.3	0.23	8	0.02	17.27
64	2- 64	125.70	127.70	2	1.01	1.5	0.45	8	0.03	15.34
65	2- 65	127.70	129.70	2	0.03	1.4	0.18	10	0.02	17.23
66	2- 66	129.70	131.70	2	0.08	1.3	0.27	10	0.03	16.63
67	2- 67	131.70	133.70	2	0.21	1.5	0.15	8	0.02	17.21
68	2- 68	133.70	135.70	2	0.19	1.5	0.32	13	0.03	16.11
69	2- 69	135.70	137.70	2	0.11	1.1	0.10	13	0.02	12.71
70	2- 70	137.70	139.70	2	0.69	1.0	0.16	13	0.02	14.25
71	2- 71	139.70	141.70	2	0.13	7.2	0.43	13	0.02	15.36
72	2- 72	141.70	143.70	2	0.21	1.4	0.19	10	0.02	14.35
73	2- 73	143.70	145.70	2	0.21	1.7	1.04	13	0.03	16.80
74	2- 74	145.70	147.70	2	0.64	1.2	0.16	13	0.02	15.96
75	2- 75	147.70	149.70	2	0.16	1.0	0.10	15	0.01	8.08
76	2- 76	149.70	151.70	2	0.11	1.2	0.24	8	0.03	14.71
77	2- 77	151.70	153.70	2	0.08	1.3	0.41	15	0.02	13.84
78	2- 78	153.70	155.70	2	0.42	1.3	0.22	15	0.02	13.83
79	2- 79	155.70	157.70	2	1.50	1.2	0.22	15	0.02	12.91
80	2- 80	157.70	160.75	3.05	0.75	1.7	0.40	15	0.02	14.35

AVERAGE	Length(m)	Au(g/t)	Cu(%)
17.7~89.7	72	0.35	0.83
89.7~127.7	38	0.34	0.37
127.7~160.75	33.05	0.36	0.29



**MJOY-3**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	3-1	170.10	171.10	1	0.19	0.7	0.10	19	0.03	17.19
2	3-2	171.10	172.10	1	0.16	0.7	0.01	18	0.01	17.71
3	3-3	172.10	173.10	1	0.11	0.8	0.08	19	0.02	16.10
4	3-4	173.10	174.10	1	0.29	1.3	0.06	16	0.01	18.31
5	3-5	174.10	175.10	1	0.21	1.4	0.51	23	0.01	18.33
6	3-6	175.10	176.10	1	0.45	0.9	0.15	22	0.01	19.26
7	3-7	176.10	177.10	1	0.95	0.8	0.07	18	0.01	20.50
8	3-8	177.10	178.10	1	0.61	0.9	0.22	16	0.02	19.93
9	3-9	178.10	179.10	1	0.19	0.7	0.07	16	0.04	15.77
10	3-10	179.10	180.10	1	0.26	0.6	0.02	16	0.05	13.18
11	3-11	180.10	182.10	2	0.19	0.7	0.03	19	0.01	16.71
12	3-12	182.10	184.10	2	0.56	0.8	0.02	18	0.01	15.88
13	3-13	184.10	186.10	2	0.11	1.0	0.35	19	0.01	16.38
14	3-14	186.10	188.10	2	0.05	0.8	0.25	18	0.01	16.38
15	3-15	188.10	190.10	2	0.19	0.8	0.73	19	0.02	17.26
16	3-16	190.10	192.10	2	1.25	0.6	0.01	19	0.01	12.97
17	3-17	192.10	194.10	2	0.05	1.1	0.04	13	0.01	16.01
18	3-18	194.10	196.10	2	0.08	0.5	0.01	19	0.01	14.63
19	3-19	196.10	198.85	2.75	0.13	0.6	0.10	17	0.01	17.01
20	3-20	198.85	199.85	1	0.27	0.8	0.41	18	0.01	17.73
21	3-21	199.85	201.15	1.3	0.16	0.6	0.16	12	0.01	19.29
22	3-22	201.15	202.15	1	0.69	2.1	5.43	18	0.03	17.56
23	3-23	202.15	203.10	0.95	0.69	2.2	5.66	12	0.03	17.94
24	3-24	203.10	204.70	1.6	0.32	0.8	0.99	7	0.01	19.12
25	3-25	204.70	206.70	2	0.16	0.6	0.07	11	0.00	19.44
26	3-26	206.70	208.70	2	0.14	0.6	0.06	8	0.01	19.19
27	3-27	208.70	210.70	2	0.08	0.5	0.07	8	0.01	18.09
28	3-28	210.70	211.80	1.1	0.19	0.5	0.01	9	0.01	17.16
29	3-29	211.80	212.80	1	0.67	0.6	0.64	9	0.01	17.34
30	3-30	212.80	213.80	1	0.19	0.5	0.10	9	0.01	20.52
31	3-31	213.80	214.80	1	0.43	0.9	2.83	10	0.01	21.62
32	3-32	214.80	216.20	1.4	0.19	0.6	1.07	10	0.01	19.72
33	3-33	221.90	223.90	2	0.11	0.5	0.23	9	0.02	10.11
34	3-34	223.90	225.90	2	0.11	0.6	0.09	10	0.01	14.10
35	3-35	240.50	241.50	1	0.21	2.4	0.18	7	0.01	15.36
36	3-36	241.50	242.50	1	0.24	0.6	0.43	10	0.01	19.79
37	3-37	242.50	243.50	1	0.53	0.7	0.61	13	0.02	18.83
38	3-38	243.50	245.45	1.95	0.16	0.6	0.25	10	0.02	16.58

AVERAGE	Length(m)	Au(g/t)	Cu(%)
170.1~216.2	46.1	0.29	0.50
221.9~225.9	4	0.11	0.16
240.5~245.45	4.95	0.26	0.34

MJOY-4

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	4- 1	15.60	17.60	2	0.03	2.7	0.07	16	0.03	14.24
2	4- 2	17.60	19.60	2	0.08	1.1	0.16	17	0.05	15.98
3	4- 3	19.60	21.10	1.5	0.04	0.9	0.08	14	0.03	14.73
4	4- 4	21.10	23.10	2	0.10	1.0	0.20	15	0.03	14.69
5	4- 5	23.10	25.30	2.2	0.14	1.0	0.28	15	0.02	13.74
6	4- 6	25.30	27.30	2	0.02	0.8	0.05	14	0.02	12.09
7	4- 7	27.30	29.30	2	<0.01	0.8	0.01	14	0.02	11.65
8	4- 8	29.30	31.30	2	N.D.	0.8	<0.01	16	0.03	12.02
9	4- 9	31.30	33.30	2	N.D.	0.8	<0.01	15	0.02	11.09
10	4- 10	33.30	35.30	2	N.D.	0.8	<0.01	15	0.01	11.09
11	4- 11	35.30	37.30	2	<0.01	0.8	0.01	16	0.01	11.64
12	4- 12	37.30	39.30	2	N.D.	0.8	0.01	14	0.01	11.00
13	4- 13	39.30	41.30	2	0.01	0.8	0.02	15	0.01	13.36
14	4- 14	61.00	63.00	2	0.25	1.0	0.49	32	0.02	17.68
15	4- 15	63.00	65.00	2	0.18	1.0	0.35	25	0.14	15.86
16	4- 16	65.00	67.00	2	<0.01	0.8	0.01	15	0.01	12.11
17	4- 17	67.00	69.00	2	0.03	0.8	0.05	17	0.01	12.09
18	4- 18	69.00	71.00	2	0.09	0.9	0.19	18	0.01	12.92
19	4- 19	71.00	73.00	2	0.01	0.8	0.02	22	0.01	13.33
20	4- 20	73.00	75.15	2.15	0.01	0.8	0.02	14	0.01	9.81
21	4- 21	75.15	78.30	3.15	0.02	1.4	0.05	16	0.01	11.81
22	4- 22	78.30	80.30	2	0.02	1.3	0.06	16	0.08	13.55
23	4- 23	80.30	82.30	2	0.03	1.2	0.06	16	0.01	13.76
24	4- 24	82.30	84.30	2	0.01	0.9	0.01	17	0.01	14.20
25	4- 25	84.30	86.30	2	0.02	0.9	0.04	17	0.02	12.81
26	4- 26	86.30	88.30	2	0.13	0.8	0.12	16	0.01	11.37
27	4- 27	88.30	90.30	2	0.12	1.1	0.17	17	0.02	15.74
28	4- 28	90.30	92.45	2.15	0.03	0.8	0.06	15	0.04	13.17
29	4- 29	131.15	133.15	2	0.10	1.0	0.20	15	0.02	13.75
30	4- 30	133.15	135.15	2	0.10	1.0	0.16	16	0.01	14.04
31	4- 31	135.15	137.15	2	0.03	1.4	0.11	16	0.01	17.21
32	4- 32	137.15	139.50	2.35	0.04	1.3	0.14	16	0.01	13.73

AVERAGE	Length(m)	Au(g/t)	Cu(%)
15.6~41.3	25.70	0.03	0.07
61.0~92.45	31.45	0.06	0.11
131.15~139.5	8.35	0.07	0.15

**MJOY-5**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	5-1	120.25	122.25	2	0.03	1.7	0.20	29	0.02	15.44
2	5-2	122.25	124.25	2	N.D.	1.0	0.02	26	0.03	11.00
3	5-3	124.25	126.25	2	0.08	1.1	0.15	26	0.10	12.41
4	5-4	126.25	128.25	2	0.03	1.0	0.05	28	0.05	12.24
5	5-5	128.25	130.25	2	0.03	0.9	0.07	29	0.03	15.54
6	5-6	130.25	132.25	2	0.05	2.1	0.29	31	0.04	18.23
7	5-7	132.25	134.25	2	0.11	2.3	0.39	30	0.05	15.91
8	5-8	134.25	136.25	2	0.01	1.2	0.04	29	0.05	12.90
9	5-9	136.25	138.25	2	N.D.	1.2	0.07	28	0.02	14.55
10	5-10	138.25	140.25	2	0.08	1.3	0.36	29	0.02	15.36
11	5-11	140.25	142.25	2	N.D.	1.2	0.04	28	0.01	12.27
12	5-12	142.25	144.25	2	0.06	1.2	0.62	27	0.03	13.34
13	5-13	144.25	146.25	2	0.06	2.9	0.05	27	0.03	12.12
14	5-14	146.25	149.05	2.8	0.20	1.6	1.06	31	0.03	21.26

AVERAGE

120.25~149.05

Length(m)

28.8

Au(g/t)

0.06

Cu(%)

0.23

## MJOY-6

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	6- 79	0.00	2.00	2	0.01	1.2	0.26	21	0.01	17.55
2	6- 80	2.00	4.00	2	0.01	1.1	0.31	20	0.01	18.13
3	6- 81	4.00	6.00	2	0.04	2.2	0.26	25	0.01	17.94
4	6- 82	6.00	8.00	2	0.06	1.8	0.29	23	0.01	15.37
5	6- 83	8.00	9.20	1.2	0.03	1.9	0.86	24	0.01	18.45
6	6- 1	9.20	11.20	2	0.12	2.3	0.91	18	0.01	24.66
7	6- 2	11.20	13.20	2	0.11	2.2	0.12	21	0.01	21.64
8	6- 3	13.20	15.20	2	0.05	2.3	1.07	23	0.00	25.73
9	6- 4	15.20	17.20	2	0.03	2.3	0.67	23	0.00	27.00
10	6- 5	17.20	19.20	2	0.11	2.3	1.19	23	0.00	26.66
11	6- 6	19.20	21.20	2	0.11	2.1	0.41	24	0.00	25.60
12	6- 7	21.20	23.35	2.15	0.10	2.1	0.33	23	0.00	22.56
13	6- 8	23.35	25.35	2	0.17	2.1	0.13	24	0.00	25.22
14	6- 9	25.35	27.35	2	0.14	2.2	0.29	21	0.00	22.78
15	6- 10	27.35	29.35	2	0.15	2.3	0.93	22	0.00	26.95
16	6- 11	29.35	31.35	2	0.06	2.2	0.92	21	0.00	25.27
17	6- 12	31.35	33.35	2	0.02	2.1	0.08	20	0.00	24.13
18	6- 13	33.35	35.35	2	0.03	6.5	0.20	20	0.00	23.64
19	6- 14	35.35	37.35	2	0.05	2.2	0.40	20	0.00	22.32
20	6- 15	37.35	39.35	2	0.12	2.2	0.16	21	0.00	21.99
21	6- 16	39.35	41.35	2	0.18	2.2	0.83	21	0.01	23.84
22	6- 17	41.35	43.35	2	0.16	2.4	0.72	21	0.00	25.42
23	6- 18	43.35	45.35	2	0.09	11.0	0.18	20	0.00	25.25
24	6- 19	45.35	47.35	2	0.12	13.0	0.17	20	0.00	24.70
25	6- 20	47.35	49.35	2	0.11	1.9	0.06	19	0.00	24.52
26	6- 21	49.35	51.35	2	0.11	2.2	0.29	19	0.00	24.95
27	6- 22	51.35	53.35	2	0.04	16.6	0.12	19	0.01	22.22
28	6- 23	53.35	55.35	2	0.11	2.1	0.09	19	0.00	27.56
29	6- 24	55.35	57.35	2	0.13	16.6	0.47	20	0.01	25.27
30	6- 25	57.35	59.35	2	0.02	1.9	0.02	19	0.00	25.85
31	6- 26	59.35	61.35	2	0.05	1.7	0.02	19	0.00	25.83
32	6- 27	61.35	63.35	2	0.05	14.0	0.18	17	0.00	20.91
33	6- 28	63.35	65.35	2	0.02	2.7	0.23	18	0.00	20.56
34	6- 29	65.35	67.35	2	0.04	30.5	0.20	18	0.00	20.34
35	6- 30	67.35	69.35	2	0.04	27.3	0.21	18	0.00	19.42
36	6- 31	69.35	71.35	2	0.02	9.0	<0.01	18	0.00	18.47
37	6- 32	71.35	73.35	2	0.03	2.0	0.24	18	0.00	21.02
38	6- 33	73.35	75.35	2	0.02	1.9	0.32	18	0.00	19.75
39	6- 34	75.35	78.35	3	0.04	2.2	0.42	19	0.00	20.22
40	6- 35	78.35	80.35	2	0.04	2.2	0.33	20	0.00	22.70
41	6- 36	80.35	82.15	1.8	0.19	2.2	0.75	19	0.01	22.81
42	6- 37	82.15	84.15	2	0.03	1.6	0.34	18	0.00	21.51
43	6- 38	84.15	86.15	2	0.03	1.9	0.28	18	0.00	20.21
44	6- 39	86.15	88.15	2	0.05	2.4	0.12	17	0.00	20.52
45	6- 40	88.15	90.15	2	0.04	2.5	0.29	18	0.00	20.42
46	6- 41	90.15	92.15	2	0.03	2.4	0.34	18	0.00	21.35
47	6- 42	92.15	94.15	2	0.04	2.4	0.25	19	0.00	21.32
48	6- 43	94.15	96.15	2	0.05	2.2	0.11	18	0.00	20.65
49	6- 44	96.15	98.15	2	0.04	4.2	0.34	18	0.00	19.98

MJOY-6

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
50	6-45	98.15	100.15	2	0.10	2.7	0.57	19	0.00	22.02
51	6-46	100.15	102.15	2	0.11	9.6	0.48	17	0.00	20.96
52	6-47	102.15	104.15	2	0.18	2.5	1.00	17	0.00	20.62
53	6-48	104.15	106.15	2	0.06	2.3	0.84	18	0.00	20.68
54	6-49	106.15	108.15	2	0.03	2.2	0.50	18	0.00	21.43
55	6-50	108.15	110.15	2	0.02	1.9	0.09	18	0.00	20.08
56	6-51	110.15	112.15	2	0.01	1.9	0.02	19	0.00	19.57
57	6-52	112.15	114.15	2	0.01	2.3	0.19	20	0.00	19.95
58	6-53	114.15	116.15	2	0.04	1.7	0.51	25	0.00	21.53
59	6-54	116.15	118.15	2	0.02	1.7	0.39	25	0.00	22.03
60	6-55	118.15	120.15	2	0.01	1.5	0.24	24	0.00	20.64
61	6-56	120.15	122.15	2	0.05	1.7	1.45	24	0.00	24.25
62	6-57	122.15	124.15	2	0.05	1.6	0.48	26	0.00	23.42
63	6-58	124.15	126.15	2	0.06	2.3	0.37	25	0.00	21.49
64	6-59	126.15	128.15	2	0.03	1.4	0.26	25	0.00	20.79
65	6-60	128.15	130.15	2	0.07	1.7	0.69	25	0.00	22.78
66	6-61	130.15	132.15	2	0.11	1.6	0.69	27	0.01	23.73
67	6-62	132.15	134.15	2	0.04	1.5	0.75	25	0.00	23.25
68	6-63	134.15	136.15	2	0.04	1.4	0.74	24	0.00	22.47
69	6-64	136.15	138.15	2	0.19	6.3	4.27	24	0.01	25.39
70	6-65	138.15	140.15	2	0.02	1.3	0.63	26	0.00	23.86
71	6-66	140.15	142.15	2	0.01	1.2	0.08	25	0.00	21.22
72	6-67	142.15	144.15	2	0.02	1.9	0.43	25	0.00	20.42
73	6-68	144.15	146.15	2	0.04	2.3	1.11	27	0.01	23.03
74	6-69	146.15	148.15	2	0.03	1.7	0.48	26	0.00	20.62
75	6-70	148.15	150.15	2	0.01	1.7	0.27	25	0.00	20.75
76	6-71	150.15	152.15	2	0.03	2.2	0.63	27	0.01	21.25
77	6-72	152.15	154.15	2	0.03	2.7	0.80	28	0.02	20.30
78	6-73	154.15	156.15	2	0.00	2.1	0.43	24	0.01	19.82
79	6-74	156.15	158.15	2	0.02	2.0	0.39	23	0.01	20.55
80	6-75	158.15	160.15	2	0.08	2.6	1.02	26	0.01	21.47
81	6-76	160.15	162.15	2	0.08	2.5	1.08	26	0.01	22.95
82	6-77	162.15	164.15	2	0.02	1.9	0.68	23	0.01	21.54
83	6-78	164.15	165.05	0.9	0.09	2.6	0.94	26	0.01	21.81

AVERAGE	Length(m)	Au(g/t)	Cu(%)
23.35-71.35	48.00	0.08	0.29
71.35-98.15	26.80	0.05	0.32
98.15-114.15	16.00	0.07	0.46
114.15-165.05	50.90	0.04	0.76

**MJOY-7**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	7- 17	14.90	16.90	2	0.08	2.2	0.65	23	0.01	14.75
2	7- 18	16.90	18.90	2	0.23	2.8	0.29	30	0.03	17.27
3	7- 19	18.90	20.90	2	0.09	1.8	0.17	22	0.03	11.71
4	7- 20	20.90	22.90	2	0.02	1.5	0.04	19	0.02	8.41
5	7- 21	22.90	24.90	2	0.01	1.5	0.05	19	0.01	9.33
6	7- 22	24.90	26.50	1.6	0.01	2.3	0.19	24	0.09	12.83
7	7- 1	26.50	27.50	1	0.06	2.3	0.36	35	0.04	25.74
8	7- 2	27.50	29.50	2	0.05	1.8	0.10	28	0.03	14.57
9	7- 3	29.50	31.50	2	0.02	2.1	0.04	29	0.01	19.64
10	7- 4	31.50	33.50	2	0.02	2.6	0.12	22	0.01	10.72
11	7- 5	33.50	35.50	2	0.03	1.6	0.08	24	0.01	13.45
12	7- 6	35.50	37.50	2	0.02	1.7	0.03	26	0.01	17.16
13	7- 7	37.50	39.50	2	0.02	2.0	0.06	27	0.01	17.11
14	7- 8	39.50	40.50	1	0.02	1.8	0.07	23	0.01	12.64
15	7- 23	48.80	50.80	2	0.17	2.4	0.17	23	0.02	14.70
16	7- 24	50.80	52.80	2	0.05	3.4	0.09	26	0.01	14.75
17	7- 25	52.80	54.80	2	0.04	2.2	0.03	26	0.03	12.38
18	7- 9	71.00	73.00	2	0.04	1.8	0.12	24	0.04	12.72
19	7- 10	73.00	75.00	2	0.03	2.0	0.20	22	0.02	12.42
20	7- 11	75.00	77.10	2.1	0.03	2.5	0.31	24	0.03	15.23
21	7- 26	77.10	79.10	2	0.01	2.1	0.03	23	0.02	12.38
22	7- 27	79.10	81.10	2	0.02	5.0	0.06	21	0.02	13.32
23	7- 28	81.10	83.35	2.25	0.04	2.3	0.20	22	0.02	13.58
24	7- 12	90.95	92.95	2	0.02	1.8	0.11	22	0.01	13.60
25	7- 13	92.95	94.95	2	0.04	1.8	0.20	23	0.01	13.53
26	7- 14	94.95	96.95	2	0.03	2.0	0.39	23	0.01	14.33
27	7- 15	96.95	98.95	2	0.02	2.0	0.22	24	0.01	16.08
28	7- 16	98.95	101.00	2.05	0.02	1.9	0.20	24	0.01	13.80

AVERAGE	Length(m)	Au(g/t)	Cu(%)
14.9~40.5	25.60	0.05	0.16
48.8~54.80	6.00	0.09	0.10
71.0~83.35	12.35	0.03	0.16
90.95~101.0	10.05	0.03	0.22

**MJOY-9**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	9-1	8.30	10.30	2	0.21	1.4	1.67	35	0.05	18.69
2	9-2	10.30	12.30	2	0.13	0.3	0.17	21	0.02	19.44
3	9-3	12.30	14.30	2	0.03	0.3	0.25	17	0.02	18.51
4	9-4	14.30	16.30	2	0.06	0.3	0.31	21	0.02	19.79
5	9-5	16.30	18.30	2	0.07	0.4	0.31	21	0.02	21.52
6	9-6	18.30	20.30	2	0.03	0.3	0.35	30	0.02	22.16
7	9-7	20.30	22.30	2	0.02	0.3	0.24	21	0.03	20.63
8	9-8	22.30	24.30	2	0.04	0.5	0.52	21	0.12	21.39
9	9-9	24.30	26.30	2	0.03	0.3	0.28	20	0.04	20.50
10	9-10	26.30	28.30	2	0.06	0.8	0.64	21	0.03	19.70
11	9-11	28.30	30.30	2	0.02	0.3	0.18	22	0.04	20.63
12	9-12	30.30	32.30	2	0.04	0.8	1.36	26	0.06	24.66
13	9-13	32.30	34.30	2	0.03	0.2	0.12	30	0.03	21.45
14	9-14	34.30	36.30	2	0.02	0.2	0.03	22	0.04	22.25
15	9-15	36.30	38.30	2	0.03	0.5	0.34	20	0.03	21.82
16	9-16	38.30	40.30	2	0.04	0.7	0.91	22	0.04	22.10
17	9-17	40.30	42.30	2	0.03	1.3	1.27	32	0.14	19.53
18	9-18	42.30	44.30	2	0.02	0.2	0.05	24	0.02	10.22
19	9-19	44.30	46.30	2	0.01	0.2	0.03	34	0.02	9.42
20	9-20	46.30	48.30	2	0.02	0.2	0.08	19	0.03	11.04
21	9-21	48.30	50.30	2	0.03	0.2	0.05	37	0.03	13.89
22	9-22	50.30	52.30	2	0.02	0.2	0.05	26	0.01	12.47
23	9-23	52.30	54.30	2	0.02	0.1	0.03	36	0.02	11.91
24	9-24	54.30	56.30	2	0.07	0.2	0.02	29	0.01	13.71
25	9-25	56.30	58.30	2	0.05	0.9	0.41	45	0.09	18.35
26	9-26	58.30	60.30	2	0.03	0.3	0.05	35	0.01	17.71
27	9-27	60.30	62.30	2	0.05	0.2	0.05	24	0.02	16.97
28	9-28	62.30	64.30	2	0.05	0.5	0.38	21	0.02	18.40
29	9-29	64.30	66.00	1.7	0.05	0.3	0.07	21	0.02	17.21
30	9-30	66.00	68.00	2	0.04	0.2	0.04	42	<0.01	17.82
31	9-31	68.00	70.00	2	0.03	0.1	0.01	35	<0.01	17.01
32	9-32	70.00	72.00	2	0.02	0.2	0.02	27	0.01	17.82
33	9-33	72.00	74.05	2.05	0.02	0.2	0.05	39	0.04	19.33
34	9-34	74.05	76.05	2	0.05	0.8	0.92	36	0.03	18.87
35	9-35	76.05	78.05	2	0.02	0.3	0.12	31	0.01	14.69
36	9-36	78.05	80.05	2	0.03	0.3	0.07	24	0.02	12.54
37	9-37	80.05	82.05	2	0.07	1.0	0.53	30	0.22	17.09
38	9-38	82.05	84.05	2	0.05	0.6	0.31	27	0.05	16.57
39	9-39	84.05	86.05	2	0.06	0.7	0.36	31	0.06	17.82
40	9-40	86.05	88.05	2	0.02	0.3	0.29	34	0.01	17.21
41	9-41	88.05	90.05	2	0.03	0.7	0.63	39	0.02	15.83
42	9-42	90.05	92.05	2	0.01	0.3	0.17	26	0.05	16.80
43	9-43	92.05	94.05	2	0.02	0.3	0.57	20	0.02	15.60
44	9-44	94.05	96.05	2	0.05	0.3	0.62	34	0.02	15.15
45	9-45	96.05	98.05	2	0.04	0.3	0.59	42	0.02	11.86
46	9-46	98.05	100.05	2	0.01	0.3	0.28	22	0.02	19.60
47	9-47	100.05	102.05	2	0.02	0.3	0.38	24	0.02	13.27
48	9-48	102.05	104.05	2	0.01	0.3	0.23	16	0.02	12.20
49	9-49	104.05	106.05	2	0.02	0.3	0.22	16	0.02	14.62

**MJOY-9**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
50	9- 50	106.05	108.05	2	0.04	0.4	0.53	16	0.02	9.48
51	9- 51	108.05	110.05	2	0.02	0.4	0.28	40	0.02	9.42
52	9- 52	110.05	112.05	2	0.01	0.6	0.96	39	0.03	11.56
53	9- 53	112.05	114.05	2	0.01	0.1	0.06	40	0.01	8.86
54	9- 54	114.05	116.05	2	0.01	0.2	0.30	37	0.02	9.80
55	9- 55	116.05	118.05	2	0.02	0.3	0.38	25	0.01	10.51
56	9- 56	118.05	120.05	2	0.05	1.1	1.33	31	0.05	14.67
57	9- 57	120.05	122.05	2	0.01	0.1	0.04	34	0.03	9.96
58	9- 58	122.05	124.05	2	0.01	0.1	0.09	34	0.02	12.43
59	9- 59	124.05	126.05	2	0.01	0.1	0.07	27	0.02	11.84
60	9- 60	126.05	128.05	2	0.01	0.1	0.01	32	0.03	12.31
61	9- 61	128.05	130.05	2	0.06	0.9	1.04	39	0.12	17.52
62	9- 62	130.05	132.05	2	0.26	0.5	0.27	37	0.03	13.41
63	9- 63	132.05	134.05	2	0.01	0.2	0.02	26	0.02	9.51
64	9- 64	134.05	136.05	2	0.01	0.1	0.18	21	0.01	9.80
65	9- 65	136.05	138.05	2	0.01	<0.1	0.01	19	<0.01	7.36
66	9- 66	138.05	140.40	2.35	0.01	0.1	0.21	21	0.12	9.51
67										
68										
69										
70										
71										

AVERAGE	Length(m)	Au(g/t)	Cu(%)
8.30m - 42.30m	34.00	0.07	0.53
42.30m - 140.40m	98.10	0.01	0.27



MJOY-11

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	11-1	9.20	11.20	2	0.08	1.0	0.42	96	0.19	12.76
2	11-2	11.20	13.20	2	0.01	<0.1	0.04	70	0.22	11.79
3	11-3	13.20	15.20	2	0.01	<0.1	0.03	17	0.13	10.25
4	11-4	15.20	17.20	2	0.05	1.2	0.56	26	0.15	20.78
5	11-5	17.20	19.20	2	0.01	0.2	0.26	19	0.08	13.57
6	11-6	19.20	21.20	2	0.03	0.3	0.28	25	0.14	15.51
7	11-7	21.20	23.20	2	0.05	0.1	0.08	21	0.06	18.51
8	11-8	23.20	25.20	2	0.05	<0.1	0.06	132	0.06	17.76
9	11-9	25.20	27.20	2	0.14	0.2	0.18	29	0.06	21.03
10	11-10	27.20	29.20	2	0.09	0.4	0.39	35	0.03	20.09
11	11-11	29.20	31.20	2	0.02	0.2	0.40	39	0.22	21.27
12	11-12	31.20	33.20	2	0.02	0.3	0.36	105	0.03	20.04
13	11-13	33.20	35.20	2	0.09	0.2	0.16	25	0.03	18.62
14	11-14	35.20	37.20	2	0.03	0.1	0.08	24	0.03	18.24
15	11-15	37.20	39.20	2	0.06	0.3	0.26	121	0.04	19.74
16	11-16	39.20	41.20	2	0.04	0.2	0.29	32	0.03	18.75
17	11-17	41.20	43.20	2	0.02	<0.1	0.04	31	0.02	16.04
18	11-18	43.20	45.20	2	0.01	<0.1	0.02	31	0.02	15.54
19	11-19	45.20	47.20	2	0.02	0.2	0.21	36	0.03	16.16
20	11-20	47.20	49.20	2	0.02	0.1	0.04	31	0.02	14.95
21	11-21	49.20	51.20	2	0.05	<0.1	0.06	34	0.02	14.55
22	11-22	51.20	53.20	2	0.05	<0.1	0.03	31	0.02	13.75
23	11-23	53.20	55.20	2	0.05	<0.1	0.04	34	0.02	12.98
24	11-24	55.20	57.20	2	0.04	1.2	0.79	35	0.06	18.20
25	11-25	57.20	59.20	2	0.03	1.0	0.50	34	0.05	18.02
26	11-26	59.20	61.20	2	0.05	0.2	0.12	26	0.13	13.86
27	11-27	61.20	63.20	2	0.02	0.1	0.17	153	0.06	14.98
28	11-28	63.20	65.20	2	0.02	0.1	0.01	44	0.02	13.39
29	11-29	65.20	67.20	2	0.03	0.4	0.31	152	0.03	15.99
30	11-30	67.20	69.20	2	0.02	0.2	0.22	26	0.02	17.51
31	11-31	69.20	71.20	2	0.01	0.1	0.13	25	0.02	18.38
32	11-32	71.20	73.20	2	0.03	1.4	1.40	21	0.04	17.55
33	11-33	73.20	75.20	2	0.05	1.6	1.33	29	0.05	20.43
34	11-34	75.20	77.20	2	0.03	0.4	0.06	26	0.02	14.41
35	11-35	77.20	79.20	2	0.03	0.2	0.36	26	0.04	17.97
36	11-36	79.20	81.20	2	0.05	<0.1	0.06	39	0.03	13.93
37	11-37	81.20	83.20	2	0.05	0.2	0.10	29	0.02	18.69
38	11-38	83.20	85.20	2	0.02	0.2	0.24	24	0.02	17.62
39	11-39	85.20	87.20	2	0.01	<0.1	0.04	22	0.03	14.47
40	11-40	87.20	89.20	2	0.01	0.1	0.16	21	0.03	16.80
41	11-41	89.20	91.20	2	0.03	0.3	0.03	25	0.04	17.44
42	11-42	91.20	93.20	2	0.01	<0.1	0.03	22	0.03	11.57
43	11-43	93.20	95.20	2	0.01	<0.1	0.03	32	0.03	11.59
44	11-44	95.20	97.20	2	0.01	<0.1	0.07	25	0.03	9.84
45	11-45	97.20	99.20	2	0.01	0.1	0.08	30	0.03	12.52
46	11-46	99.20	101.20	2	0.01	0.1	0.11	32	0.04	15.04
47	11-47	101.20	103.20	2	0.02	0.2	0.12	29	0.04	13.63
48	11-48	103.20	105.20	2	0.01	0.1	0.06	27	0.03	13.86
49	11-49	105.20	107.20	2	0.01	0.2	0.05	26	0.04	11.65

**MJOY-11**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
50	11- 50	107.20	109.20	2	0.01	0.2	0.16	24	0.03	10.93
51	11- 51	109.20	111.20	2	0.02	0.5	0.34	27	0.03	12.84
52	11- 52	111.20	113.20	2	0.10	0.8	1.14	29	0.03	15.89
53	11- 53	113.20	115.20	2	0.03	0.7	0.38	27	0.03	13.22
54	11- 54	115.20	116.90	1.7	0.04	0.3	0.08	27	0.02	15.61
55										
56										
57										
58										
59										

AVERAGE	Length(m)	Au(g/t)	Cu(%)
9.20m - 75.20m	66.00	0.04	0.28
75.20m - 116.90m	41.70	0.02	0.18

**MJOY-12**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	12-1	28.15	29.30	1.15	0.11	1.1	1.21	--	--	--
2	12-2	29.30	31.10	1.8	<0.01	0.2	0.08	--	--	--
3	12-3	31.10	32.95	1.85	0.03	0.1	0.04	--	--	--
4	12-4	32.95	34.45	1.5	0.80	7.6	3.43	--	--	--
5	12-5	34.45	36.10	1.65	0.08	0.4	0.18	--	--	--
6	12-6	36.10	37.80	1.7	0.08	0.5	0.38	--	--	--
7	12-7	37.80	39.80	2	0.03	0.2	0.06	--	--	--
8	12-8	39.80	41.80	2	0.03	0.1	0.05	--	--	--
9	12-9	41.80	43.80	2	0.03	0.2	0.06	--	--	--
10	12-10	43.80	45.80	2	0.03	0.1	0.04	--	--	--
11	12-11	45.80	47.80	2	<0.01	0.9	0.11	--	--	--
12	12-12	47.80	49.80	2	<0.01	0.3	0.17	--	--	--
13	12-13	49.80	51.80	2	0.03	0.2	0.12	--	--	--
14	12-14	51.80	53.80	2	0.08	0.3	0.12	--	--	--
15	12-15	53.80	55.80	2	0.03	0.2	0.07	--	--	--
16	12-16	55.80	57.80	2	0.03	0.2	0.13	--	--	--
17	12-17	57.80	59.80	2	<0.01	0.2	0.12	--	--	--
18	12-18	59.80	61.80	2	<0.01	0.1	0.04	--	--	--
19	12-19	61.80	64.40	2.6	<0.01	0.1	0.08	--	--	--
20	12-20	131.75	133.75	2	0.05	0.3	0.45	--	--	--
21	12-21	133.75	135.75	2	<0.01	<0.1	0.04	--	--	--
22	12-22	135.75	137.75	2	<0.01	0.6	0.16	--	--	--
23	12-23	137.75	139.20	1.45	<0.01	0.2	0.21	--	--	--
24	12-24	139.20	140.65	1.45	0.03	0.1	0.08	--	--	--
25										
26										
27										
28										
29										

AVERAGE	Length(m)	Au(g/t)	Cu(%)
28.15m - 37.80m	9.65	0.17	0.80
37.80m - 64.40m	26.6	0.02	0.09
131.75m - 140.65m	8.9	0.02	0.19

**MJOY-13**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	13- 1	51.85	53.85	2	0.03	0.1	0.19	--	--	--
2	13- 2	53.85	55.85	2	0.03	0.2	0.17	--	--	--
3	13- 3	55.85	57.85	2	0.03	0.2	0.17	--	--	--
4	13- 4	57.85	59.85	2	<0.01	0.1	0.05	--	--	--
5	13- 5	59.85	61.85	2	0.03	0.1	0.03	--	--	--
6	13- 6	61.85	63.85	2	0.05	0.3	0.50	--	--	--
7	13- 7	63.85	65.85	2	<0.01	0.1	0.28	--	--	--
8	13- 8	65.85	67.85	2	<0.01	<0.1	0.05	--	--	--
9	13- 9	67.85	69.85	2	0.03	0.1	0.12	--	--	--
10	13- 10	69.85	71.85	2	0.11	0.1	0.30	--	--	--
11	13- 11	71.85	73.85	2	0.08	0.1	0.41	--	--	--
12	13- 12	73.85	75.85	2	0.11	0.1	0.11	--	--	--
13	13- 13	75.85	77.85	2	0.13	0.2	0.33	--	--	--
14	13- 14	77.85	79.85	2	<0.01	<0.1	0.12	--	--	--
15	13- 15	79.85	81.30	1.45	0.03	0.1	0.21	--	--	--
16	13- 16	81.30	83.15	1.85	0.59	0.9	2.09	--	--	--
17	13- 17	83.15	85.15	2	0.03	0.1	0.17	--	--	--
18	13- 18	85.15	87.15	2	0.03	0.1	0.32	--	--	--
19	13- 19	87.15	89.15	2	0.11	0.5	1.46	--	--	--
20	13- 20	89.15	91.15	2	<0.01	0.1	0.25	--	--	--
21	13- 21	91.15	93.15	2	0.03	0.1	0.33	--	--	--
22	13- 22	93.15	95.15	2	<0.01	<0.1	0.12	--	--	--
23	13- 23	95.15	97.15	2	<0.01	<0.1	0.11	--	--	--
24	13- 24	97.15	99.15	2	0.05	0.1	0.24	--	--	--
25	13- 25	99.15	101.15	2	<0.01	<0.1	0.08	--	--	--
26	13- 26	101.15	103.15	2	0.08	0.1	0.24	--	--	--
27	13- 27	103.15	105.15	2	<0.01	0.1	0.26	--	--	--
28	13- 28	105.15	107.15	2	0.05	0.2	0.82	--	--	--
29	13- 29	107.15	109.15	2	<0.01	0.1	0.52	--	--	--
30	13- 30	109.15	111.15	2	<0.01	<0.1	0.08	--	--	--
31	13- 31	111.15	113.15	2	<0.01	0.1	0.45	--	--	--
32	13- 32	113.15	115.15	2	0.16	0.2	1.29	--	--	--
33	13- 33	115.15	117.15	2	<0.01	<0.1	0.18	--	--	--
34	13- 34	117.15	119.15	2	<0.01	0.1	0.23	--	--	--
35	13- 35	119.15	121.15	2	0.05	0.1	0.35	--	--	--
36	13- 36	121.15	123.15	2	<0.01	0.1	0.29	--	--	--
37	13- 37	123.15	125.15	2	<0.01	0.1	0.27	--	--	--
38	13- 38	125.15	127.15	2	<0.01	0.2	0.35	--	--	--
39	13- 39	127.15	129.15	2	<0.01	<0.1	0.03	--	--	--
40	13- 40	129.15	131.15	2	<0.01	<0.1	0.04	--	--	--
41	13- 41	131.15	133.15	2	<0.01	0.2	0.44	--	--	--
42	13- 42	133.15	135.15	2	<0.01	0.1	0.16	--	--	--
43	13- 43	135.15	137.15	2	<0.01	0.1	0.10	--	--	--
44	13- 44	137.15	139.15	2	<0.01	0.1	0.35	--	--	--
45	13- 45	139.15	141.15	2	<0.01	0.1	0.03	--	--	--
46	13- 46	141.15	143.15	2	<0.01	0.1	0.13	--	--	--
47	13- 47	143.15	145.15	2	<0.01	0.1	0.41	--	--	--
48	13- 48	145.15	147.60	2.45	<0.01	0.1	0.21	--	--	--
49	13- 49	147.60	150.05	2.45	<0.01	0.2	0.13	--	--	--

AVERAGE	Length(m)	Au(g/t)	Cu(%)
51.85m - 81.30m	29.45	0.05	0.20
81.30m - 115.15m	33.85	0.07	0.51
115.15m - 150.05m	34.90	0.01	0.22

**MJOY-14**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	14-1	66.20	68.20	2	0.03	0.4	0.31	--	--	--
2	14-2	68.20	70.20	2	0.03	0.4	0.29	--	--	--
3	14-3	70.20	72.20	2	0.03	0.4	0.62	--	--	--
4	14-4	72.20	74.20	2	0.03	0.1	0.16	--	--	--
5	14-5	74.20	76.20	2	0.03	0.2	0.22	--	--	--
6	14-6	76.20	78.20	2	0.03	0.2	0.08	--	--	--
7	14-7	78.20	80.20	2	0.03	0.4	0.22	--	--	--
8	14-8	80.20	82.20	2	0.03	0.4	0.22	--	--	--
9	14-9	82.20	84.20	2	0.05	0.3	0.11	--	--	--
10	14-10	84.20	86.20	2	0.05	0.1	0.12	--	--	--
11	14-11	86.20	88.20	2	0.08	0.1	0.22	--	--	--
12	14-12	88.20	90.20	2	0.03	0.1	0.02	--	--	--
13	14-13	90.20	92.20	2	0.05	0.1	0.29	--	--	--
14	14-14	92.20	94.20	2	0.05	0.3	0.38	--	--	--
15	14-15	94.20	96.20	2	0.05	<0.1	0.10	--	--	--
16	14-16	96.20	98.20	2	0.05	<0.1	0.03	--	--	--
17	14-17	98.20	100.20	2	0.13	0.4	0.05	--	--	--
18	14-18	100.20	102.20	2	0.17	0.2	0.97	--	--	--
19	14-19	102.20	104.20	2	0.16	0.2	0.24	--	--	--
20	14-20	104.20	106.20	2	0.13	0.3	0.28	--	--	--
21	14-21	106.20	108.20	2	0.03	0.2	0.22	--	--	--
22	14-22	108.20	110.20	2	0.03	0.3	0.03	--	--	--
23	14-23	110.20	112.20	2	0.21	0.3	0.22	--	--	--
24	14-24	112.20	114.20	2	0.03	0.3	0.02	--	--	--
25	14-25	114.20	116.20	2	0.03	0.1	0.17	--	--	--
26	14-26	116.20	118.20	2	0.03	0.2	0.19	--	--	--
27	14-27	118.20	120.20	2	0.03	0.2	0.11	--	--	--
28	14-28	120.20	122.20	2	0.16	0.3	1.02	--	--	--
29	14-29	122.20	124.20	2	0.03	0.4	0.12	--	--	--
30	14-30	124.20	126.20	2	0.05	0.1	0.18	--	--	--
31	14-31	126.20	128.20	2	0.05	0.1	0.13	--	--	--
32	14-32	128.20	130.20	2	0.03	0.2	0.21	--	--	--
33	14-33	130.20	132.20	2	0.03	0.4	0.27	--	--	--
34	14-34	132.20	134.20	2	0.03	0.3	0.03	--	--	--
35	14-35	134.20	136.20	2	0.08	0.3	<0.01	--	--	--
36	14-36	136.20	138.20	2	0.03	0.1	<0.01	--	--	--
37	14-37	138.20	139.60	1.4	0.05	0.4	0.69	--	--	--
38										
39										
40										
41										
42										

AVERAGE	Length(m)	Au(g/t)	Cu(%)
66.20m - 108.20m	42.00	0.06	0.25
108.20m - 139.60m	31.40	0.06	0.20

**MJOY-15**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	15- 1	19.90	21.90	2	0.02	0.1	0.35	--	--	--
2	15- 2	21.90	23.90	2	0.01	0.6	0.14	--	--	--
3	15- 3	23.90	25.90	2	0.02	0.2	0.33	--	--	--
4	15- 4	25.90	27.90	2	0.02	<0.1	0.13	--	--	--
5	15- 5	27.90	29.90	2	0.01	0.3	0.16	--	--	--
6	15- 6	29.90	31.90	2	0.01	<0.1	0.17	--	--	--
7	15- 7	31.90	33.90	2	0.03	0.2	0.26	--	--	--
8	15- 8	33.90	35.90	2	0.01	0.2	0.18	--	--	--
9	15- 9	35.90	37.90	2	0.05	0.2	0.83	--	--	--
10	15- 10	37.90	39.90	2	0.01	<0.1	0.27	--	--	--
11	15- 11	39.90	41.90	2	0.02	0.1	0.27	--	--	--
12	15- 12	41.90	43.90	2	0.01	0.1	0.23	--	--	--
13	15- 13	43.90	45.90	2	0.02	0.1	0.38	--	--	--
14	15- 14	45.90	47.90	2	0.03	0.2	0.33	--	--	--
15	15- 15	47.90	49.90	2	0.02	0.1	0.46	--	--	--
16	15- 16	49.90	51.90	2	0.01	0.2	0.11	--	--	--
17	15- 17	51.90	53.90	2	0.01	0.2	0.09	--	--	--
18	15- 18	53.90	55.90	2	0.03	0.1	0.03	--	--	--
19	15- 19	55.90	57.90	2	0.05	0.1	0.40	--	--	--
20	15- 20	57.90	59.90	2	0.03	0.1	0.44	--	--	--
21	15- 21	59.90	61.90	2	0.02	0.3	0.41	--	--	--
22	15- 22	61.90	63.90	2	0.02	0.1	0.06	--	--	--
23	15- 23	63.90	65.90	2	0.01	0.2	0.12	--	--	--
24	15- 24	65.90	67.90	2	0.03	0.2	0.49	--	--	--
25	15- 25	67.90	69.90	2	0.02	0.3	0.08	--	--	--
26	15- 26	69.90	71.90	2	0.02	0.2	0.03	--	--	--
27	15- 27	71.90	73.90	2	0.01	0.4	0.04	--	--	--
28	15- 28	73.90	75.90	2	0.01	0.1	0.02	--	--	--
29	15- 29	75.90	77.90	2	0.02	0.2	0.06	--	--	--
30	15- 30	77.90	79.90	2	0.01	0.2	0.04	--	--	--
31	15- 31	79.90	81.90	2	0.01	0.2	0.03	--	--	--
32	15- 32	81.90	83.90	2	0.02	<0.1	0.03	--	--	--
33	15- 33	83.90	85.90	2	0.03	0.1	0.03	--	--	--
34	15- 34	85.90	87.90	2	0.01	0.1	0.02	--	--	--
35	15- 35	87.90	89.90	2	0.02	0.1	0.03	--	--	--
36	15- 36	89.90	91.90	2	0.08	0.7	0.17	--	--	--
37	15- 37	91.90	93.90	2	0.02	0.3	0.07	--	--	--
38	15- 38	93.90	95.90	2	0.04	0.1	0.05	--	--	--
39	15- 39	95.90	97.90	2	0.01	0.1	0.01	--	--	--
40	15- 40	97.90	99.90	2	0.03	0.1	0.17	--	--	--
41	15- 41	99.90	101.90	2	0.06	0.2	0.11	--	--	--
42	15- 42	101.90	103.90	2	0.06	0.2	0.35	--	--	--
43	15- 43	103.90	105.90	2	0.02	0.3	0.30	--	--	--
44	15- 44	105.90	107.90	2	0.01	0.1	0.05	--	--	--
45	15- 45	107.90	109.90	2	0.01	<0.1	0.06	--	--	--
46	15- 46	109.90	111.90	2	0.01	<0.1	0.02	--	--	--
47	15- 47	111.90	113.90	2	0.03	0.1	0.28	--	--	--
48	15- 48	113.90	115.90	2	0.01	0.1	0.17	--	--	--
49	15- 49	115.90	117.90	2	0.06	0.1	0.09	--	--	--

**MJOY-15**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
50	15- 50	117.90	119.90	2	0.01	0.2	0.26	--	--	--
51	15- 51	119.90	121.90	2	0.01	<0.1	0.04	--	--	--
52	15- 52	121.90	123.90	2	0.01	0.1	0.08	--	--	--
53	15- 53	123.90	125.90	2	0.03	0.2	0.25	--	--	--
54	15- 54	125.90	127.90	2	0.02	0.1	0.10	--	--	--
55	15- 55	127.90	129.90	2	0.04	0.3	0.78	--	--	--
56	15- 56	129.90	131.90	2	0.03	0.1	0.17	--	--	--
57	15- 57	131.90	133.90	2	0.14	<0.1	0.26	--	--	--
58	15- 58	133.90	135.90	2	0.03	<0.1	0.17	--	--	--
59	15- 59	135.90	138.50	2.6	0.03	<0.1	0.24	--	--	--
60										
61										
62										
63										
64										

AVERAGE	Length(m)	Au(g/t)	Cu(%)
19.90m - 67.90m	48.00	0.02	0.28
67.90m - 138.50m	70.60	0.03	0.13

MJOY-16

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	16-1	19.35	21.35	2	0.08	0.3	1.57	35	0.02	28.88
2	16-2	21.35	23.35	2	0.04	0.3	0.60	35	0.02	22.63
3	16-3	23.35	25.35	2	0.01	<0.1	0.01	16	0.02	20.74
4	16-4	25.35	27.35	2	0.04	0.2	0.55	26	0.02	24.00
5	16-5	27.35	29.35	2	0.02	0.1	0.37	18	0.02	26.58
6	16-6	29.35	31.35	2	0.07	0.1	0.37	18	0.03	25.01
7	16-7	31.35	33.35	2	0.02	0.1	0.20	15	0.01	23.65
8	16-8	33.35	35.35	2	0.06	0.5	0.86	65	0.03	23.51
9	16-9	35.35	37.35	2	0.15	0.9	0.71	27	0.02	25.10
10	16-10	37.35	39.35	2	0.04	0.3	0.93	15	0.02	22.56
11	16-11	39.35	41.35	2	0.03	1.0	1.07	21	0.01	22.76
12	16-12	41.35	43.35	2	0.02	0.2	0.22	18	0.01	19.26
13	16-13	43.35	45.35	2	0.03	0.1	0.35	19	0.01	21.81
14	16-14	45.35	47.35	2	0.04	0.1	0.15	19	0.01	21.59
15	16-15	47.35	49.35	2	0.02	0.1	0.15	21	<0.01	23.15
16	16-16	49.35	51.35	2	0.04	0.1	0.27	22	0.01	26.25
17	16-17	51.35	53.35	2	0.02	0.4	0.13	24	<0.01	22.08
18	16-18	53.35	55.35	2	0.03	0.1	0.19	97	0.01	21.17
19	16-19	55.35	57.35	2	0.06	0.1	0.24	21	0.04	22.10
20	16-20	57.35	59.35	2	0.06	0.2	0.25	20	0.04	21.11
21	16-21	59.35	61.35	2	0.05	0.2	0.22	26	0.04	24.15
22	16-22	61.35	63.35	2	0.11	0.3	0.25	29	0.01	26.01
23	16-23	63.35	65.35	2	0.06	0.1	0.17	21	0.04	21.96
24	16-24	65.35	67.35	2	0.20	0.5	0.86	27	0.09	25.57
25	16-25	67.35	69.35	2	0.03	0.2	0.24	24	0.02	23.21
26	16-26	69.35	71.35	2	0.07	1.0	1.56	29	0.05	23.83
27	16-27	71.35	73.35	2	0.03	0.2	0.48	22	0.02	22.71
28	16-28	73.35	75.35	2	0.02	<0.1	0.06	20	0.02	18.65
29	16-29	75.35	77.35	2	0.02	0.2	0.22	27	0.03	19.69
30	16-30	77.35	79.35	2	0.01	0.2	0.24	34	0.04	24.26
31	16-31	79.35	81.35	2	0.02	0.3	0.30	27	0.02	19.85
32	16-32	81.35	83.35	2	0.01	0.3	0.37	27	0.01	22.43
33	16-33	83.35	85.35	2	0.03	0.3	0.38	24	0.02	22.90
34	16-34	85.35	87.35	2	0.09	1.5	0.84	32	0.04	31.10
35	16-35	87.35	89.35	2	0.15	1.0	0.91	29	0.04	27.86
36	16-36	89.35	91.35	2	0.11	1.2	1.02	31	0.03	27.45
37	16-37	91.35	93.35	2	0.05	0.5	0.71	46	0.02	25.56
38	16-38	93.35	95.35	2	0.02	0.3	0.25	27	0.01	26.78
39	16-39	95.35	97.35	2	0.02	0.3	0.33	25	0.02	25.61
40	16-40	97.35	99.35	2	0.05	0.2	0.64	27	0.02	26.20
41	16-41	99.35	101.35	2	0.02	0.1	0.56	22	0.02	25.38
42	16-42	101.35	103.35	2	0.03	0.2	0.43	25	0.02	22.43
43	16-43	103.35	105.35	2	0.02	0.2	0.18	25	0.02	25.23
44	16-44	105.35	107.35	2	0.03	0.2	0.60	25	0.02	23.98
45	16-45	107.35	109.35	2	0.02	<0.1	0.28	25	0.02	23.87
46	16-46	109.35	111.35	2	0.03	0.5	0.52	24	0.02	22.41
47	16-47	111.35	113.35	2	0.02	0.3	0.36	24	0.02	21.05
48	16-48	113.35	115.35	2	0.02	0.1	0.22	26	0.02	20.76
49	16-49	115.35	117.35	2	0.02	0.2	0.54	20	0.02	19.19



**MJOY-16**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
50	16- 50	117.35	119.35	2	0.01	0.1	0.33	22	0.02	20.60
51	16- 51	119.35	121.35	2	<0.01	<0.1	0.14	22	0.01	19.35
52	16- 52	121.35	123.35	2	0.01	0.1	0.43	24	0.01	18.60
53	16- 53	123.35	125.35	2	0.03	<0.1	0.92	25	0.02	22.22
54	16- 54	125.35	127.35	2	0.02	0.2	0.51	26	0.02	23.06
55	16- 55	127.35	129.35	2	0.06	1.3	0.68	39	0.07	23.23
56	16- 56	129.35	131.35	2	0.06	1.0	1.37	29	0.06	24.55
57	16- 57	131.35	133.35	2	0.06	0.5	1.31	31	0.04	22.34
58	16- 58	133.35	135.35	2	0.24	0.1	0.42	27	0.10	20.86
59	16- 59	135.35	137.35	2	0.01	<0.1	0.25	24	0.01	17.01
60	16- 60	137.35	139.35	2	0.02	0.1	0.25	24	0.02	20.80
61	16- 61	139.35	141.35	2	0.04	0.4	0.41	25	0.02	21.63
62	16- 62	141.35	143.35	2	0.02	0.3	0.82	20	0.02	21.14
63	16- 63	143.35	145.35	2	0.05	1.1	0.93	26	0.03	24.34
64	16- 64	145.35	148.00	2.65	0.01	<0.1	0.16	22	0.02	19.67
65	16- 65	148.00	150.40	2.4	0.01	0.1	0.17	21	0.01	18.91
66										
67										
68										
69										
70										

AVERAGE	Length(m)	Au(g/t)	Cu(%)
19.35m - 41.35m	22.00	0.16	0.66
41.35m - 93.35m	52.00	0.05	0.41
93.35m - 150.40m	57.05	0.03	0.49

MJOY-17

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	17- 1	48.10	50.10	2	0.02	0.10	0.21	27	0.02	23.39
2	17- 2	50.10	52.10	2	0.01	0.10	0.29	34	0.02	23.51
3	17- 3	52.10	54.10	2	<0.01	0.10	0.18	31	0.01	21.03
4	17- 4	54.10	56.10	2	<0.01	<0.1	0.03	31	0.02	20.87
5	17- 5	56.10	58.10	2	0.01	0.10	0.16	29	<0.01	19.70
6	17- 6	58.10	60.10	2	0.01	0.10	0.40	31	0.01	19.54
7	17- 7	60.10	62.10	2	<0.01	0.10	0.23	34	<0.01	21.91
8	17- 8	62.10	64.10	2	<0.01	<0.1	0.06	34	0.02	18.39
9	17- 9	64.10	66.10	2	<0.01	<0.1	0.08	26	0.04	16.93
10	17- 10	66.10	68.10	2	<0.01	<0.1	0.06	27	<0.01	19.91
11	17- 11	68.10	70.10	2	0.04	0.1	0.30	31	0.01	22.22
12	17- 12	70.10	72.10	2	0.01	0.1	0.26	25	0.01	21.20
13	17- 13	72.10	74.10	2	0.02	0.2	0.26	27	<0.01	22.57
14	17- 14	74.10	76.10	2	0.04	0.2	0.27	29	0.01	23.45
15	17- 15	76.10	78.10	2	0.03	0.2	0.56	27	<0.01	23.79
16	17- 16	78.10	80.10	2	0.03	0.1	0.94	31	0.01	23.51
17	17- 17	80.10	82.10	2	0.01	0.3	0.17	30	<0.01	18.74
18	17- 18	82.10	84.10	2	0.05	0.1	0.18	24	<0.01	21.13
19	17- 19	84.10	86.10	2	0.02	<0.1	0.22	26	<0.01	20.21
20	17- 20	86.10	88.10	2	0.02	0.1	0.20	26	<0.01	21.28
21	17- 21	88.10	90.10	2	0.02	0.1	0.15	35	<0.01	23.36
22	17- 22	90.10	92.10	2	<0.01	<0.1	0.13	36	0.01	21.12
23	17- 23	92.10	94.10	2	0.02	0.1	0.21	36	0.01	19.12
24	17- 24	94.10	96.10	2	0.01	0.1	0.14	30	0.02	19.71
25	17- 25	96.10	98.10	2	0.02	0.2	0.23	35	0.02	19.72
26	17- 26	98.10	100.10	2	0.05	0.3	0.78	30	<0.01	18.90
27	17- 27	100.10	102.10	2	0.06	0.4	1.41	45	0.01	22.00
28	17- 28	102.10	104.10	2	0.01	0.1	0.27	31	<0.01	22.37
29	17- 29	104.10	106.10	2	0.04	0.4	0.68	29	<0.01	21.52
30	17- 30	106.10	108.10	2	0.06	0.6	0.83	25	<0.01	22.72
31	17- 31	108.10	110.10	2	0.01	0.1	0.14	24	<0.01	19.42
32	17- 32	110.10	112.10	2	<0.01	0.2	0.17	32	<0.01	19.53
33	17- 33	112.10	114.10	2	0.03	0.3	0.26	28	<0.01	19.25
34	17- 34	114.10	116.10	2	0.04	0.5	0.64	26	0.01	22.08
35	17- 35	116.10	118.10	2	0.03	0.2	0.33	24	0.01	19.74
36	17- 36	118.10	120.10	2	0.02	0.4	0.26	24	0.01	18.29
37	17- 37	120.10	122.10	2	0.01	0.1	0.10	22	<0.01	20.55
38	17- 38	122.10	124.10	2	0.01	0.1	0.13	30	<0.01	20.72
39	17- 39	124.10	126.10	2	0.01	0.1	0.14	25	<0.01	18.45
40	17- 40	126.10	128.10	2	<0.01	<0.1	0.03	26	<0.01	18.70
41	17- 41	128.10	130.10	2	0.05	0.1	0.08	35	<0.01	18.62
42	17- 42	130.10	132.10	2	<0.01	<0.1	0.06	36	<0.01	18.99
43	17- 43	132.10	134.10	2	<0.01	<0.1	0.03	40	<0.01	21.79
44	17- 44	134.10	136.10	2	0.04	0.2	0.30	35	0.01	21.66
45	17- 45	136.10	138.10	2	0.01	0.1	0.07	27	<0.01	20.50
46	17- 46	138.10	140.10	2	0.02	<0.1	0.03	27	<0.01	20.18
47	17- 47	140.10	142.10	2	0.15	0.2	0.27	32	0.01	21.39
48	17- 48	142.10	144.10	2	0.03	0.2	0.19	29	0.01	21.57
49	17- 49	144.10	146.10	2	<0.01	0.2	0.02	35	<0.01	16.79

**MJOY-17**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
50	17- 50	146.10	148.10	2	0.03	0.1	0.16	36	<0.01	20.70
51	17- 51	148.10	150.35	2.25	0.09	0.2	0.04	27	<0.01	19.07
52										
53										
54										
55										
56										

AVERAGE	Length(m)	Au(g/t)	Cu(%)
48.10m - 98.10m	50.00	0.03	0.24
98.10m - 116.10m	18.00	0.04	0.58
116.10m - 150.35m	34.25	0.04	0.13

MJOY-18

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	18- 1	47.30	49.30	2	0.03	0.3	0.76	—	—	—
2	18- 2	49.30	51.30	2	0.04	0.7	1.04	—	—	—
3	18- 3	51.30	53.30	2	0.05	0.4	0.68	—	—	—
4	18- 4	53.30	55.30	2	0.05	0.1	0.24	—	—	—
5	18- 5	55.30	57.30	2	0.03	0.2	0.35	—	—	—
6	18- 6	57.30	59.30	2	0.03	0.6	0.69	—	—	—
7	18- 7	59.30	61.30	2	0.03	0.5	1.01	—	—	—
8	18- 8	61.30	63.30	2	0.01	0.2	0.28	—	—	—
9	18- 9	63.30	65.30	2	0.03	0.2	0.91	—	—	—
10	18- 10	65.30	67.30	2	0.03	0.8	0.47	—	—	—
11	18- 11	67.30	69.30	2	0.03	0.4	0.34	—	—	—
12	18- 12	69.30	71.30	2	0.01	0.7	0.28	—	—	—
13	18- 13	71.30	73.30	2	0.01	0.1	0.06	—	—	—
14	18- 14	73.30	75.30	2	0.01	<0.1	0.10	—	—	—
15	18- 15	75.30	77.30	2	0.07	0.7	0.85	—	—	—
16	18- 16	77.30	79.30	2	0.09	1.7	1.58	—	—	—
17	18- 17	79.30	81.30	2	0.03	0.7	0.20	—	—	—
18	18- 18	81.30	83.30	2	0.02	0.8	0.20	—	—	—
19	18- 19	83.30	85.30	2	0.02	0.3	0.12	—	—	—
20	18- 20	85.30	87.30	2	0.02	0.6	0.20	—	—	—
21	18- 21	87.30	89.30	2	0.01	0.5	0.13	—	—	—
22	18- 22	89.30	91.30	2	0.01	0.2	0.06	—	—	—
23	18- 23	91.30	93.30	2	0.02	0.4	0.26	—	—	—
24	18- 24	93.30	95.30	2	0.01	0.3	0.11	—	—	—
25	18- 25	95.30	97.30	2	0.06	0.7	0.24	—	—	—
26	18- 26	97.30	99.30	2	0.06	0.6	0.11	—	—	—
27	18- 27	99.30	101.30	2	0.02	0.5	0.16	—	—	—
28	18- 28	101.30	103.30	2	0.01	0.1	0.15	—	—	—
29	18- 29	103.30	105.30	2	0.02	0.2	0.17	—	—	—
30	18- 30	105.30	107.30	2	0.02	0.3	0.13	—	—	—
31	18- 31	107.30	109.30	2	0.03	0.6	0.19	—	—	—
32	18- 32	109.30	111.30	2	0.05	0.1	0.09	—	—	—
33	18- 33	111.30	113.30	2	0.05	0.1	0.20	—	—	—
34	18- 34	113.30	115.30	2	0.14	0.3	0.48	—	—	—
35	18- 35	115.30	117.30	2	0.05	0.2	0.19	—	—	—
36	18- 36	117.30	119.30	2	0.04	0.1	0.18	—	—	—
37	18- 37	119.30	121.30	2	0.03	0.6	0.35	—	—	—
38	18- 38	121.30	123.30	2	0.03	0.7	0.80	—	—	—
39	18- 39	123.30	125.30	2	0.04	0.2	0.77	—	—	—
40	18- 40	125.30	127.30	2	0.02	0.2	0.18	—	—	—
41	18- 41	127.30	129.30	2	0.05	0.1	0.42	—	—	—
42	18- 42	129.30	131.30	2	0.10	0.6	0.71	—	—	—
43	18- 43	131.30	133.30	2	0.03	0.4	0.41	—	—	—
44	18- 44	133.30	135.30	2	0.11	2.1	3.51	—	—	—
45	18- 45	135.30	137.30	2	0.02	0.1	0.12	—	—	—
46	18- 46	137.30	139.30	2	0.07	0.3	0.63	—	—	—
47	18- 47	139.30	141.30	2	0.09	0.3	0.92	—	—	—
48	18- 48	141.30	143.30	2	0.02	0.6	0.17	—	—	—
49	18- 49	143.30	145.30	2	0.03	0.2	0.03	—	—	—

**MJOY-18**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
50	18- 50	145.30	147.80	2.5	0.27	0.1	0.05	-	-	-
51	18- 51	147.80	150.35	2.55	0.14	0.3	0.23	-	-	-
52										
53										
54										
55										
56										

AVERAGE	Length(m)	Au(g/t)	Cu(%)
47.30m - 79.30m	32.00	0.03	0.60
79.30m - 119.30m	40.00	0.03	0.18
119.30m - 141.30m	22.00	0.05	0.80

MJOY-19

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	19- 1	11.00	13.00	2	0.04	1.0	0.26	—	—	—
2	19- 2	13.00	15.00	2	0.02	0.4	0.07	—	—	—
3	19- 3	15.00	17.00	2	0.02	0.5	0.16	—	—	—
4	19- 4	17.00	19.00	2	0.02	0.4	0.30	—	—	—
5	19- 5	19.00	21.00	2	0.02	0.4	0.20	—	—	—
6	19- 6	21.00	23.00	2	0.02	0.5	0.16	—	—	—
7	19- 7	23.00	25.00	2	<0.01	0.5	0.19	—	—	—
8	19- 8	25.00	27.00	2	0.01	0.4	0.20	—	—	—
9	19- 9	27.00	29.00	2	0.01	0.9	0.44	—	—	—
10	19- 10	29.00	31.00	2	0.01	0.2	0.09	—	—	—
11	19- 11	31.00	33.00	2	0.03	0.5	0.33	—	—	—
12	19- 12	33.00	35.00	2	0.03	0.3	0.13	—	—	—
13	19- 13	35.00	37.00	2	0.03	0.8	0.33	—	—	—
14	19- 14	37.00	39.00	2	0.01	0.3	0.15	—	—	—
15	19- 15	39.00	41.00	2	0.01	0.4	0.25	—	—	—
16	19- 16	41.00	43.00	2	0.02	0.4	0.13	—	—	—
17	19- 17	43.00	45.00	2	0.02	0.2	0.24	—	—	—
18	19- 18	45.00	47.00	2	0.02	0.5	0.12	—	—	—
19	19- 19	47.00	49.00	2	0.03	0.5	0.12	—	—	—
20	19- 20	49.00	51.00	2	0.01	0.1	0.08	—	—	—
21	19- 21	51.00	53.00	2	<0.01	0.2	0.10	—	—	—
22	19- 22	53.00	55.00	2	<0.01	0.4	0.08	—	—	—
23	19- 23	55.00	57.00	2	0.01	0.3	0.12	—	—	—
24	19- 24	57.00	59.00	2	0.09	0.7	0.47	—	—	—
25	19- 25	59.00	61.00	2	0.03	0.6	0.20	—	—	—
26	19- 26	61.00	63.00	2	0.03	0.5	0.20	—	—	—
27	19- 27	63.00	65.00	2	0.02	0.4	0.13	—	—	—
28	19- 28	65.00	67.00	2	0.02	0.3	0.10	—	—	—
29	19- 29	67.00	69.00	2	<0.01	0.3	0.04	—	—	—
30	19- 30	69.00	71.00	2	0.01	0.4	0.03	—	—	—
31	19- 31	71.00	73.00	2	0.02	0.2	0.02	—	—	—
32	19- 32	73.00	75.00	2	0.03	0.1	0.03	—	—	—
33	19- 33	75.00	77.00	2	0.02	0.3	0.03	—	—	—
34	19- 34	77.00	79.00	2	0.03	1.0	0.24	—	—	—
35	19- 35	79.00	81.00	2	0.08	0.6	0.35	—	—	—
36	19- 36	81.00	83.00	2	0.01	0.5	0.44	—	—	—
37	19- 37	83.00	85.00	2	0.04	0.2	0.23	—	—	—
38	19- 38	85.00	87.00	2	0.01	0.1	0.03	—	—	—
39	19- 39	87.00	89.00	2	0.08	0.2	0.08	—	—	—
40	19- 40	89.00	91.00	2	0.10	0.6	0.50	—	—	—
41	19- 41	91.00	93.00	2	0.01	0.7	0.05	—	—	—
42	19- 42	93.00	95.00	2	0.05	0.4	0.13	—	—	—
43	19- 43	95.00	97.00	2	0.12	0.2	0.11	—	—	—
44	19- 44	97.00	99.00	2	0.01	0.2	0.03	—	—	—
45	19- 45	99.00	101.00	2	<0.01	0.1	<0.01	—	—	—
46	19- 46	101.00	103.00	2	<0.01	0.2	<0.01	—	—	—
47	19- 47	103.00	105.00	2	<0.01	1.1	0.03	—	—	—
48	19- 48	105.00	107.00	2	0.02	0.3	0.06	—	—	—
49	19- 49	107.00	109.00	2	0.02	0.8	0.26	—	—	—

**MJOY-19**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
50	19- 50	109.00	111.00	2	0.01	0.6	0.06	--	--	--
51	19- 51	111.00	113.00	2	0.01	0.3	0.09	--	--	--
52	19- 52	113.00	115.00	2	0.05	0.6	0.15	--	--	--
53	19- 53	115.00	117.00	2	0.01	0.5	0.07	--	--	--
54	19- 54	117.00	119.00	2	0.10	0.1	0.06	--	--	--
55	19- 55	119.00	121.00	2	0.04	0.4	0.08	--	--	--
56	19- 56	121.00	123.00	2	0.04	0.7	0.26	--	--	--
57	19- 57	123.00	125.00	2	0.01	0.2	0.04	--	--	--
58	19- 58	125.00	127.00	2	0.04	1.0	0.35	--	--	--
59	19- 59	127.00	129.00	2	0.02	0.3	0.07	--	--	--
60	19- 60	129.00	131.00	2	0.02	0.4	0.26	--	--	--
61	19- 61	131.00	133.00	2	0.01	0.4	0.16	--	--	--
62	19- 62	133.00	135.00	2	0.02	0.3	0.08	--	--	--
63	19- 63	135.00	137.00	2	0.05	0.4	0.12	--	--	--
64	19- 64	137.00	139.00	2	0.04	0.3	0.13	--	--	--
65	19- 65	139.00	141.00	2	0.14	0.7	0.76	--	--	--
66	19- 66	141.00	143.00	2	0.08	0.4	0.27	--	--	--
67	19- 67	143.00	145.50	2.5	0.05	0.5	0.36	--	--	--
68	19- 68	145.50	148.00	2.5	0.03	0.3	0.11	--	--	--
69	19- 69	148.00	150.35	2.35	0.05	0.9	0.71	--	--	--

AVERAGE	Length(m)	Au(g/t)	Cu(%)
11.00m - 121.00m	110.00	0.03	0.16
121.00m - 150.35m	29.35	0.04	0.27

**MJOY-20**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	20- 1	12.10	13.55	1.45	0.11	0.3	0.05	--	--	--
2	20- 2	13.55	15.55	2	0.02	1.0	0.26	--	--	--
3	20- 3	15.55	17.55	2	0.01	0.3	0.09	--	--	--
4	20- 4	17.55	19.55	2	0.03	0.6	0.35	--	--	--
5	20- 5	19.55	21.55	2	0.01	0.2	0.22	--	--	--
6	20- 6	21.55	23.55	2	0.03	0.5	0.53	--	--	--
7	20- 7	23.55	25.55	2	0.01	0.9	0.25	--	--	--
8	20- 8	25.55	27.55	2	0.05	0.9	0.46	--	--	--
9	20- 9	27.55	29.55	2	0.95	2.5	1.24	--	--	--
10	20- 10	29.55	31.55	2	0.10	0.9	0.99	--	--	--
11	20- 11	31.55	33.55	2	0.11	0.2	0.18	--	--	--
12	20- 12	33.55	35.55	2	0.08	0.2	0.44	--	--	--
13	20- 13	35.55	37.55	2	0.63	0.2	0.17	--	--	--
14	20- 14	37.55	39.55	2	0.06	0.2	0.34	--	--	--
15	20- 15	39.55	41.55	2	0.02	0.2	0.19	--	--	--
16	20- 16	41.55	43.55	2	0.03	1.1	0.61	--	--	--
17	20- 17	43.55	45.55	2	0.02	0.4	0.42	--	--	--
18	20- 18	45.55	47.55	2	0.05	1.5	0.29	--	--	--
19	20- 19	47.55	49.55	2	0.01	0.2	0.07	--	--	--
20	20- 20	49.55	51.55	2	0.02	0.4	0.16	--	--	--
21	20- 21	51.55	53.55	2	0.02	0.4	0.26	--	--	--
22	20- 22	53.55	55.55	2	0.02	0.5	0.20	--	--	--
23	20- 23	55.55	57.55	2	0.01	0.2	0.03	--	--	--
24	20- 24	57.55	59.55	2	0.02	0.4	0.73	--	--	--
25	20- 25	59.55	61.55	2	0.02	0.3	0.30	--	--	--
26	20- 26	61.55	63.55	2	0.02	0.4	0.39	--	--	--
27	20- 27	63.55	65.55	2	0.02	0.8	0.34	--	--	--
28	20- 28	65.55	67.55	2	0.05	0.7	0.29	--	--	--
29	20- 29	67.55	69.55	2	0.01	0.4	0.01	--	--	--
30	20- 30	69.55	71.55	2	0.02	0.1	0.06	--	--	--
31	20- 31	71.55	73.55	2	0.05	0.5	0.14	--	--	--
32	20- 32	73.55	75.55	2	0.45	0.4	0.10	--	--	--
33	20- 33	75.55	77.55	2	0.03	0.4	0.48	--	--	--
34	20- 34	77.55	80.00	2.45	0.01	0.2	0.09	--	--	--
35	20- 35	94.70	97.05	2.35	0.05	1.2	0.68	--	--	--
36	20- 36	104.50	106.50	2	0.11	0.7	0.13	--	--	--
37	20- 37	106.50	108.50	2	0.01	0.5	0.03	--	--	--
38	20- 38	108.50	110.00	1.5	0.01	0.3	0.11	--	--	--
39	20- 39	124.30	126.30	2	0.03	1.1	0.27	--	--	--
40	20- 40	126.30	128.30	2	0.08	0.6	0.08	--	--	--
41	20- 41	128.30	130.30	2	0.01	0.7	0.02	--	--	--
42	20- 42	130.30	132.30	2	0.01	0.4	0.03	--	--	--
43	20- 43	132.30	134.30	2	<0.01	0.3	<0.01	--	--	--
44	20- 44	134.30	136.30	2	0.01	0.3	0.07	--	--	--
45	20- 45	136.30	138.30	2	0.01	0.5	0.13	--	--	--
46	20- 46	138.30	140.30	2	0.01	0.6	0.06	--	--	--
47	20- 47	140.30	142.20	1.9	0.03	1.5	0.23	--	--	--

AVERAGE	Length(m)	Au(g/t)	Cu(%)
12.1m - 21.55m	9.45	0.03	0.20
21.55m - 45.55m	24.00	0.17	0.49
45.55m - 77.55m	32.00	0.05	0.24



MJOY-21

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	21-1	22.85	24.85	2	0.01	0.1	0.31	9	0.01	21.96
2	21-2	24.85	26.85	2	0.02	0.2	0.64	9	0.01	23.25
3	21-3	26.85	28.85	2	0.03	0.5	1.91	5	0.02	23.38
4	21-4	28.85	30.85	2	<0.01	0.1	0.08	9	0.01	20.22
5	21-5	30.85	32.85	2	0.04	0.3	0.65	11	0.02	23.74
6	21-6	32.85	34.85	2	0.01	0.1	0.06	6	0.01	21.18
7	21-7	34.85	36.85	2	0.12	0.4	0.71	40	0.08	22.98
8	21-8	36.85	38.85	2	0.03	0.2	0.42	3	0.02	19.95
9	21-9	38.85	40.85	2	0.02	0.6	0.41	3	0.02	21.28
10	21-10	40.85	42.85	2	0.02	0.3	0.43	8	0.02	19.47
11	21-11	42.85	44.85	2	0.02	0.3	0.46	15	0.01	18.53
12	21-12	44.85	46.85	2	0.04	0.1	0.19	16	0.02	16.54
13	21-13	46.85	48.85	2	0.02	0.2	0.36	16	0.01	18.96
14	21-14	48.85	50.85	2	0.03	0.2	0.15	34	0.02	19.73
15	21-15	50.85	52.85	2	0.02	0.3	0.23	10	0.02	20.79
16	21-16	52.85	54.85	2	0.02	0.4	0.24	15	<0.01	20.48
17	21-17	54.85	56.85	2	0.01	0.3	0.13	6	<0.01	20.67
18	21-18	56.85	58.85	2	0.02	0.5	0.79	14	0.01	21.81
19	21-19	58.85	60.85	2	0.12	0.2	0.65	6	0.01	19.56
20	21-20	60.85	62.85	2	0.21	0.8	1.23	14	0.03	19.52
21	21-21	62.85	64.85	2	0.07	0.3	0.71	6	0.01	18.50
22	21-22	64.85	66.85	2	0.01	0.1	0.31	10	0.01	19.60
23	21-23	66.85	68.85	2	0.01	0.2	0.43	3	0.01	21.56
24	21-24	68.85	70.85	2	0.05	0.4	1.26	8	<0.01	22.29
25	21-25	70.85	72.85	2	0.01	0.3	0.46	13	0.01	21.90
26	21-26	72.85	74.85	2	0.01	0.1	0.10	3	<0.01	18.56
27	21-27	74.85	76.85	2	0.02	0.2	0.85	3	0.01	20.59
28	21-28	76.85	78.85	2	0.02	0.1	0.39	3	<0.01	20.12
29	21-29	78.85	80.85	2	0.01	0.1	0.30	1	<0.01	19.67
30	21-30	80.85	82.85	2	0.02	0.2	0.64	1	0.01	22.58
31	21-31	82.85	84.85	2	0.02	0.3	1.11	14	<0.01	22.88
32	21-32	84.85	86.85	2	0.02	0.1	0.32	15	<0.01	18.24
33	21-33	86.85	88.85	2	0.01	0.1	0.21	13	<0.01	17.38
34	21-34	88.85	90.85	2	0.02	0.3	0.21	11	<0.01	18.74
35	21-35	90.85	92.85	2	0.03	0.2	0.63	10	<0.01	21.01
36	21-36	92.85	94.85	2	0.07	1.6	3.62	20	0.03	25.01
37	21-37	94.85	96.85	2	0.02	0.4	0.44	9	0.01	17.22
38	21-38	96.85	98.85	2	0.03	0.8	0.87	11	0.02	22.06
39	21-39	98.85	100.85	2	0.04	0.1	0.08	3	<0.01	18.68
40	21-40	100.85	102.85	2	0.02	0.1	0.22	6	<0.01	18.25
41	21-41	102.85	104.85	2	0.01	0.1	0.23	8	0.01	18.00
42	21-42	104.85	106.85	2	0.01	0.1	0.16	3	<0.01	17.03
43	21-43	106.85	108.85	2	0.01	0.2	0.20	3	<0.01	15.90
44	21-44	108.85	110.85	2	0.01	<0.1	0.06	4	0.02	20.24
45	21-45	110.85	112.85	2	<0.01	<0.1	0.05	4	<0.01	18.25
46	21-46	112.85	114.85	2	0.01	<0.1	0.30	1	<0.01	20.87
47	21-47	114.85	116.85	2	0.01	0.1	0.29	4	0.01	18.22
48	21-48	116.85	118.85	2	0.01	0.1	0.03	1	<0.01	14.98
49	21-49	118.85	120.85	2	<0.01	<0.1	0.02	5	<0.01	17.25

**MJOY-21**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
50	21- 50	120.85	122.85	2	<0.01	<0.1	0.09	3	0.01	17.61
51	21- 51	122.85	124.85	2	<0.01	<0.1	0.05	16	<0.01	16.30
52	21- 52	124.85	126.85	2	0.01	<0.1	0.16	18	0.01	14.36
53	21- 53	126.85	128.85	2	0.02	<0.1	0.32	13	0.01	19.29
54	21- 54	128.85	130.85	2	<0.01	<0.1	0.04	11	0.01	14.47
55	21- 55	130.85	132.85	2	0.05	0.1	0.91	15	0.01	20.14
56	21- 56	132.85	134.85	2	0.34	0.1	0.15	6	0.01	21.66
57	21- 57	134.85	136.85	2	0.01	0.2	0.32	18	0.01	17.69
58	21- 58	136.85	138.85	2	<0.01	<0.1	0.02	6	<0.01	15.64
59	21- 59	138.85	140.85	2	<0.01	<0.1	0.23	6	<0.01	18.09
60	21- 60	140.85	142.85	2	0.01	0.1	0.44	11	0.01	19.93
61	21- 61	142.85	144.85	2	0.02	0.1	0.77	11	0.01	18.41
62	21- 62	144.85	146.85	2	0.02	0.2	0.79	10	0.02	16.98
63	21- 63	146.85	148.85	2	0.01	0.1	0.30	8	0.01	16.80
64	21- 64	148.85	150.05	1.2	0.03	0.1	0.33	6	0.01	20.31
65										
66										
67										
68										
69										

AVERAGE	Length(m)	Au(g/t)	Cu(%)
22.85m - 56.85m	34.00	0.03	0.43
56.85m - 98.85m	42.00	0.04	0.74
98.85m - 150.05m	53.20	0.03	0.27

**MJOY-24**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	24- 1	80.30	82.30	2	0.03	<0.2	0.07	—	—	—
2	24- 2	82.30	84.30	2	0.07	<0.2	0.08	—	—	—
3	24- 3	84.30	86.30	2	0.02	<0.2	0.03	—	—	—
4	24- 4	86.30	88.30	2	<0.01	<0.2	0.06	—	—	—
5	24- 5	88.30	90.30	2	0.01	<0.2	0.05	—	—	—
6	24- 6	90.30	92.30	2	0.05	<0.2	0.09	—	—	—
7	24- 7	92.30	94.30	2	0.01	<0.2	0.11	—	—	—
8	24- 8	94.30	96.30	2	0.03	<0.2	0.36	—	—	—
9	24- 9	96.30	98.30	2	0.03	<0.2	0.05	—	—	—
10	24- 10	98.30	100.30	2	0.05	<0.2	0.05	—	—	—
11	24- 11	100.30	102.30	2	0.01	<0.2	0.01	—	—	—
12	24- 12	102.30	104.30	2	0.01	<0.2	0.05	—	—	—
13	24- 13	104.30	106.30	2	<0.01	<0.2	0.03	—	—	—
14	24- 14	106.30	108.30	2	<0.01	<0.2	0.01	—	—	—
15	24- 15	108.30	110.30	2	<0.01	<0.2	0.02	—	—	—
16	24- 16	110.30	112.30	2	<0.01	<0.2	0.02	—	—	—
17	24- 17	112.30	114.30	2	0.01	<0.2	0.05	—	—	—
18	24- 18	114.30	116.30	2	<0.01	<0.2	0.02	—	—	—
19	24- 19	116.30	118.30	2	0.01	<0.2	0.02	—	—	—
20	24- 20	118.30	120.30	2	0.02	<0.2	0.02	—	—	—
21	24- 21	120.30	122.30	2	0.01	<0.2	0.03	—	—	—
22	24- 22	122.30	124.30	2	<0.01	<0.2	0.01	—	—	—
23	24- 23	124.30	126.30	2	<0.01	<0.2	0.06	—	—	—
24	24- 24	126.30	128.30	2	<0.01	<0.2	0.03	—	—	—
25	24- 25	128.30	130.30	2	<0.01	<0.2	0.03	—	—	—
26	24- 26	130.30	132.00	1.7	0.01	<0.2	0.03	—	—	—
27	24- 27	132.00	133.70	1.7	<0.01	<0.2	0.02	—	—	—
28										
29										
30										
31										
32										

<b>AVERAGE</b>	<b>Length(m)</b>	<b>Au(g/t)</b>	<b>Cu(%)</b>
80.30m - 96.30m	16.00	0.03	0.11
96.30m - 133.70m	37.40	0.01	0.03

**MJOY-25**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	25- 1	138.80	140.80	2	<0.01	<0.2	0.02	—	—	—
2	25- 2	140.80	142.80	2	0.01	<0.2	0.03	—	—	—
3	25- 3	142.80	144.75	1.95	0.01	<0.2	0.16	—	—	—
4	25- 4	144.75	146.75	2	0.02	<0.2	0.08	—	—	—
5	25- 5	146.75	148.75	2	0.01	<0.2	0.06	—	—	—
6	25- 6	148.75	151.00	2.25	0.01	<0.2	0.04	—	—	—
7	25- 7	151.00	153.40	2.4	<0.01	<0.2	0.08	—	—	—
8										
9										
10										
11										
12										

AVERAGE

138.80m - 153.40m

Length(m)

14.60

Au(g/t)

0.01

Cu(%)

0.07

**MJOY-26**

No.	Sample No.	Depth(m)		Length (m)	Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
		From	To							
1	26-1	22.45	23.80	1.35	0.39	0.7	0.15	--	--	--
2	26-2	23.80	25.50	1.7	0.76	1.6	0.42	--	--	--
3	26-3	25.50	27.15	1.65	0.59	0.8	0.37	--	--	--
4	26-4	35.10	36.60	1.5	0.19	0.5	0.06	--	--	--
5	26-5	36.60	38.15	1.55	0.06	0.3	0.02	--	--	--
6	26-6	38.15	40.15	2	0.14	0.3	0.10	--	--	--
7	26-7	40.15	42.15	2	0.18	0.3	0.09	--	--	--
8	26-8	42.15	44.15	2	1.46	0.4	0.04	--	--	--
9	26-9	44.15	46.15	2	0.24	0.5	0.08	--	--	--
10	26-10	46.15	48.15	2	0.17	0.6	0.30	--	--	--
11	26-11	48.15	50.15	2	1.19	1.0	1.24	--	--	--
12	26-12	50.15	52.15	2	0.44	0.5	0.53	--	--	--
13	26-13	52.15	54.15	2	0.38	0.6	0.44	--	--	--
14	26-14	54.15	56.15	2	0.46	0.6	0.53	--	--	--
15	26-15	56.15	58.15	2	0.12	0.4	0.17	--	--	--
16	26-16	58.15	59.65	1.5	0.09	0.4	0.54	--	--	--
17	26-17	59.65	61.65	2	0.13	0.3	0.09	--	--	--
18	26-18	61.65	63.15	1.5	0.76	1.0	0.03	--	--	--
19										
20										
21										
22										
23										

**AVERAGE**

22.45m - 27.15m

46.15m - 59.65m

Length(m)

4.70

13.50

Au(g/t)

0.59

0.42

Cu(%)

0.32

0.54

## **Appendix 5**

### **Assay results of surface samples**

**Surface Samples**

No.	Sample No.	Area Name	Coordinate		Au(g/t)	Ag(g/t)	Cu(%)	Pb(ppm)	Zn(%)	Fe2O3 (%)
			N(km)	E(km)						
1	1Y- 1	Rakah	2618.79	458.14	0.22	54.5	2.86	20	0.04	6.96
2	1Y- 2	Q. Al-Akhabab	2618.63	459.49	0.17	0.6	0.30	9	0.01	7.80
3	1Y- 3	Q. Al-Akhabab	2618.71	459.76	0.88	0.8	0.59	21	0.07	19.95
4	1Y- 5	Q. Al-Akhabab	2618.75	459.72	0.37	2.8	0.34	17	0.01	30.34
5	1Y- 6	Q. Al-Akhabab	2618.67	459.92	0.21	0.8	0.09	16	0.00	34.11
6	1Y- 7	Q. Al-Akhabab	2618.64	459.98	0.20	1.0	0.26	16	0.01	32.75
7	1Y- 8	Q. Al-Akhabab	2618.39	460.10	0.52	1.0	0.02	53	0.01	42.22
8	1Y- 9	J. Al-Meid	2617.85	456.10	0.18	4.7	0.75	15	0.00	5.39
9	1Y- 11	J. Al-Meid	2618.05	455.49	0.15	1.4	0.36	12	0.02	35.33
10	1Y- 12	J. Al-Meid	2617.98	455.41	0.11	1.2	3.11	13	0.03	17.03
11	1Y- 13	J. Al-Meid	2618.04	454.86	0.19	1.3	0.02	18	0.01	55.82
12	1Y- 14	J. Al-Meid	2618.02	454.83	1.15	1.0	0.18	43	0.02	47.27
13	1Y- 15	J. Al-Meid	2618.06	454.62	0.39	0.4	0.01	10	0.00	12.53
14	1Y- 16	Q. Al-Akhabab	2618.68	459.83	0.23	0.7	0.24	15	0.00	38.66
15	1Y- 17	Q. Al-Akhabab	2618.68	459.83	3.58	0.9	0.49	58	0.01	18.78
16	1Y- 18	Q. Al-Akhabab	2617.85	458.75	0.10	0.6	0.20	9	0.00	27.05
17	1Y- 19	Q. Al-Akhabab	2617.70	458.60	0.33	0.9	0.89	13	0.02	16.96

## **Appendix 6**

**Description of polished sections of ore samples**



## Description of polished section of drilling cores

Ser. No.	Sample No.	Sample Location		Sample Description	Identified Minerals					
		Hole No.	Depth (m)		Cp	Py	Sp	Ht	Po	Gg
1	2-25.60	MJOY-2	25.60	Stockwork ore; veinlets with slight dissemination	⊙	⊙	.			⊙
2	2-38.70	MJOY-2	38.70	Stockwork ore; veinlets with intense dissemination	⊙	●	.			●
3	2-48.80	MJOY-2	48.80	Stockwork ore; veinlets with dissemination	⊙	⊙	.			⊙
4	2-67.60	MJOY-2	67.60	Stockwork ore; veinlets with dissemination	⊙	●	.			○
5	2-112.60	MJOY-2	112.60	Stockwork ore; veinlets with intense dissemination	⊙	○	●			●
6	2-117.70	MJOY-2	117.70	Stockwork ore; veinlets with dissemination	⊙	○	.			⊙
7	2-140.90	MJOY-2	140.90	Stockwork ore; veinlets with dissemination	⊙	⊙	●		.	⊙
8	3-201.65	MJOY-3	201.65	Stockwork ore; veinlets with intense dissemination	⊙	○	●		.	●
9	3-202.10	MJOY-3	202.10	Stockwork ore; veinlets with intense dissemination	⊙	○	●			⊙
10	3-214.50	MJOY-3	214.50	Stockwork ore; veinlets with intense dissemination	⊙	○	●		.	●
11	4-25.20	MJOY-4	25.20	Stockwork ore; veinlets with intense dissemination	⊙	○	●			⊙
12	4-63.20	MJOY-4	63.20	Stockwork ore; veinlets with dissemination	●	⊙	.			⊙
13	4-138.60	MJOY-4	138.60	Stockwork ore; veinlets with dissemination	○	⊙				⊙
14	5-129.50	MJOY-5	129.50	Stockwork ore; veinlets with dissemination	⊙	○	●			⊙
15	5-137.70	MJOY-5	137.70	Stockwork ore; veinlets with dissemination	⊙	⊙	●			⊙
16	5-208.40	MJOY-5	208.40	Stockwork ore; veinlets with slight dissemination	⊙	⊙	●			⊙
17	6-38.70	MJOY-6	38.70	Massive sulphide ore	⊙	○	●			.
18	7-17.40	MJOY-7	17.40	Stockwork ore; veinlets with intense dissemination	⊙	●	.	.	.	.
19	7-35.50	MJOY-7	35.50	Stockwork ore; veinlets with dissemination	⊙	●				⊙
20	7-107.20	MJOY-7	107.20	Stockwork ore; veinlets with slight dissemination	⊙	●	.	.		⊙

### Abbreviations

⊙ abundant	Cp: Chalcopyrite
○ common	Py: Pyrite
● a little	Sp: Sphalerite
· rare	Ht: Hematite
	Po: Pyrrhotite
	Gg: Gangue Minerals

**Sample collected from drill cores: MJOY-2-25.60**

Ore Type	Stockwork ore; veinlets with slight dissemination
Microscopic Observation	Anhedral pyrite grains, the size of which ranges from 500µm to 3mm, distribute sporadically in the matrix consisting of small grains of pyrite, chalcopyrite and quartz. Pyrite grains in the matrix are subhedral or anhedral grains of the size from 200µm to 1500µm. Irregular patches of chalcopyrite fill the interstices of pyrite and quartz grains. Large Pyrite grains have small cavities and the walls of these cavities and grain boundaries are lined with sharp crystal faces, suggesting that these large grains have been formed by the coalescence of smaller grains. Chalcopyrite distributes sporadically in the interstices of pyrite and quartz grains. Anhedral sphalerite, the size of 100µm average, distribute uniformly with chalcopyrite patches (Chalcopyrite disease). Chalcopyrite and sphalerite occur intimately associated each other.

**Sample collected from drill cores: MJOY-2-38.70**

Ore Type	Stockwork ore; veinlets with intense dissemination
Microscopic Observation	Pyrite occurs in some parts as euhedral to anhedral grains of the size from 500µm to 2mm. Chalcopyrite fills the interstices of the euhedral pyrite grains. Some large anhedral pyrite grains are moderately fractured and are replaced by anhedral chalcopyrite. Irregular patches of chalcopyrite fill the interstices of pyrite and quartz grains. Many small pyrite globules comprise minute subhedral or anhedral grains with cavities. Chalcopyrite distributes sporadically in the interstices of pyrite and quartz grains. Anhedral sphalerite, the size of 50µm average, distribute uniformly with chalcopyrite patches (Chalcopyrite disease). Some cavities in chalcopyrite are filled with sphalerite.

**Sample collected from drill cores: MJOY-2-48.80**

Ore Type	Stockwork ore; veinlets with dissemination
Microscopic Observation	Subhedral to anhedral pyrite crystals, the size of which ranges from 300µm to 1mm, and globular aggregates composed of minute pyrite grains predominate in quartz basis, although some large pyrite grains occur in some places. Large pyrite crystals are partly brecciated and filled with chalcopyrite and quartz. Irregular patches of chalcopyrite fill the interstices of pyrite and quartz grains. Chalcopyrite distributes sporadically in the interstices of pyrite and quartz grains. Anhedral sphalerite, the size of 50µm average, distribute uniformly with chalcopyrite patches (Chalcopyrite disease).

**Sample collected from drill cores: MJOY-2-67.60**

Ore Type	Stockwork ore; veinlets with dissemination
Microscopic Observation	Small subhedral to anhedral pyrite crystals and small globular aggregates composed of minute pyrite grains predominate in quartz basis, although some large pyrite grains occur in some places. Large pyrite crystals are partly brecciated and filled with chalcopyrite and quartz. Pyrite grains in the matrix are subhedral or anhedral, and some parts have a feature of crystallized colloform textures. The size of individual pyrite grains ranges from 200µm to 1.5mm. Anhedral sphalerite, the size of 50µm average, distribute uniformly with chalcopyrite and pyrite.

<b>Sample collected from drill cores: MJOY-2-112.60</b>	
Ore Type	Stockwork ore; veinlets with intense dissemination
Microscopic Observation	Pyrite occurs in some parts as subhedral to anhedral grains of the size from 100µm to 1.5mm. Chalcopyrite fills the interstices of the subhedral pyrite grains. Some large anhedral pyrite grains are moderately fractured and are replaced by anhedral chalcopyrite. Irregular patches of chalcopyrite fill the interstices of pyrite and quartz grains. Many small pyrite globules comprise minute subhedral or anhedral grains with cavities. Chalcopyrite distributes sporadically in the interstices of pyrite and quartz grains. Anhedral sphalerite, the size of 30µm average, distribute uniformly with chalcopyrite patches (Chalcopyrite disease). Some cavities in chalcopyrite are filled with sphalerite.

<b>Sample collected from drill cores: MJOY-2-117.70</b>	
Ore Type	Stockwork ore; veinlets with dissemination
Microscopic Observation	Euhedral to subhedral pyrite grains, the size of which ranges from 100µm to 1mm, distribute sporadically in the matrix consisting of small grains of pyrite, chalcopyrite and gangue minerals, especially quartz. Large pyrite crystals are partly brecciated and filled with chalcopyrite and quartz. Chalcopyrite distributes sporadically in the interstices of pyrite and quartz grains. Anhedral sphalerite, the size of 50µm average, distribute uniformly with chalcopyrite patches (Chalcopyrite disease).

<b>Sample collected from drill cores: MJOY-2-140.90</b>	
Ore Type	Stockwork ore; veinlets with dissemination
Microscopic Observation	Euhedral to subhedral pyrite grains, the size of which ranges from 100µm to 1mm, distribute sporadically in the matrix consisting of small grains of pyrite, chalcopyrite and gangue minerals, especially quartz. Large pyrite crystals are partly brecciated and filled with chalcopyrite and quartz. Anhedral sphalerite, the size of 50µm average, distribute uniformly with chalcopyrite patches (Chalcopyrite disease). Anhedral pyrrhotite, the size of 10µm average, distribute uniformly with pyrite. Pyrrhotite and pyrite occur intimately associated each other.

<b>Sample collected from drill cores: MJOY-3-201.65</b>	
Ore Type	Stockwork ore; veinlets with intense dissemination
Microscopic Observation	Porous pyrite aggregates, the size of which ranges from 500µm to 3mm, distribute uniformly in gangue minerals, with small pyrite crystals (20µm-1mm), fine pyrite globules (10-100µm) and chalcopyrite patches (30-100µm). Large pyrite crystals are partly brecciated and filled with chalcopyrite and quartz. Anhedral sphalerite, the size of 150µm average, distribute uniformly with chalcopyrite patches (Chalcopyrite disease).

<b>Sample collected from drill cores: MJOY-3-202.10</b>	
Ore Type	Strongly disseminated sulphide ore
Microscopic Observation	Porous pyrite aggregates, the size of which ranges from 300µm to 2mm, distribute uniformly in gangue minerals, with euhedral to subhedral pyrite crystals (200-1.5mm), fine pyrite globules (10-100µm) and chalcopyrite patches (100-300µm). Large pyrite crystals are partly brecciated and filled with chalcopyrite and quartz. Chalcopyrite occupies fairly large areas among large pyrite aggregates, while in fine-textured parts it fills only small cavities. AnhedraI sphalerite, the size of 50µm average, distribute uniformly with chalcopyrite patches (Chalcopyrite disease).

<b>Sample collected from drill cores: MJOY-3-214.50</b>	
Ore Type	Strongly disseminated sulphide ore
Microscopic Observation	AnhedraI chalcopyrite aggregates comprise euhedral, subhedral or anhedraI pyrite grains, cavities and quartz grains of various sizes. Euhedral to subhedral pyrite grains, the size of which ranges from 300µm to 1.5mm, distribute sporadically in the matrix consisting of small grains of pyrite, chalcopyrite and gangue minerals, especially quartz. Large pyrite crystals are partly brecciated and filled with chalcopyrite and quartz. Chalcopyrite replaces pyrite forming irregular patches in pyrite aggregates. AnhedraI sphalerite, the size of 50µm average, distribute uniformly with chalcopyrite patches (Chalcopyrite disease). AnhedraI pyrrhotite, the size of 10µm average, distribute uniformly with pyrite.

<b>Sample collected from drill cores: MJOY-4-25.20</b>	
Ore Type	Strongly disseminated sulphide ore
Microscopic Observation	Subhedral to anhedraI pyrite grains, the size of which ranges from 100µm to 3mm, distribute sporadically in the matrix consisting of small grains of pyrite, chalcopyrite and gangue minerals. Large pyrite crystals are partly brecciated and filled with chalcopyrite. Chalcopyrite replaces pyrite forming irregular patches in pyrite aggregates. AnhedraI sphalerite, the size of 100µm average, distribute uniformly with chalcopyrite patches (Chalcopyrite disease).

<b>Sample collected from drill cores: MJOY-4-63.20</b>	
Ore Type	Disseminated sulphide ore
Microscopic Observation	AnhedraI pyrite grains, the size of which ranges from 200µm to 3mm, consist of small euhedral to subhedral pyrite crystals (100-1.5mm). Pyrite is mostly located in the center or inner parts of chalcopyrite grain. Large pyrite crystals are partly brecciated and filled with chalcopyrite and quartz. Chalcopyrite replaces pyrite forming irregular patches in pyrite aggregates. Chalcopyrite is mostly located in the center or inner parts of sphalerite grain. AnhedraI sphalerite, the size of 100µm average, distribute uniformly with chalcopyrite patches (Chalcopyrite disease).

<b>Sample collected from drill cores: MJOY-4-138.60</b>	
Ore Type	Disseminated sulphide ore
Microscopic Observation	Euhedral to subhedral pyrite grains, the size of which ranges from 200µm to 1.5mm, distribute sporadically in the matrix consisting of small grains of pyrite, chalcopyrite and gangue minerals. Large pyrite crystals are partly brecciated and filled with chalcopyrite. Chalcopyrite replaces pyrite forming irregular patches in pyrite aggregates. Chalcopyrite inclusions are recognized in large pyrite crystals.

<b>Sample collected from drill cores: MJOY-5-129.50</b>	
Ore Type	Disseminated sulphide ore
Microscopic Observation	Euhedral to subhedral pyrite grains, the size of which ranges from 200µm to 1mm, distribute sporadically in the matrix consisting of small grains of pyrite, chalcopyrite and gangue minerals. Large pyrite crystals are partly brecciated and filled with chalcopyrite. Chalcopyrite replaces pyrite forming irregular patches in pyrite aggregates. Anhedraal sphalerite, the size of 10µm average, distribute uniformly with chalcopyrite patches.

<b>Sample collected from drill cores: MJOY-5-137.70</b>	
Ore Type	Disseminated sulphide ore
Microscopic Observation	Subhedral to anhedraal pyrite grains, the size of which ranges from 200µm to 1.5mm, distribute sporadically in the matrix consisting of small grains of pyrite, chalcopyrite and gangue minerals. Large pyrite crystals are partly brecciated and filled with chalcopyrite and quartz. Chalcopyrite replaces pyrite forming irregular patches in pyrite aggregates. Anhedraal sphalerite, the size of 10µm average, distribute uniformly with chalcopyrite patches.

<b>Sample collected from drill cores: MJOY-5-208.40</b>	
Ore Type	Slightly disseminated sulphide ore
Microscopic Observation	Anhedraal pyrite grains, the size of which ranges from 200µm to 3mm, consist of small euhedral to subhedral pyrite crystals (10-100µm). Large pyrite crystals are partly brecciated and filled with chalcopyrite and quartz. Chalcopyrite replaces pyrite forming irregular patches in pyrite aggregates. Chalcopyrite is mostly located in the center or inner parts of sphalerite grain. Anhedraal sphalerite, the size of 20µm average, distribute uniformly with chalcopyrite patches.

<b>Sample collected from drill cores: MJOY-6-38.70</b>	
Ore Type	Strongly disseminated sulphide ore
Microscopic Observation	Anhedraal pyrite grains, the size of which ranges from 500µm to 3mm, distribute sporadically in the matrix consisting of small grains of pyrite, chalcopyrite and quartz. Pyrite grains in the matrix are subhedral or anhedraal grains of the size from 10µm to 200µm. Irregular patches of chalcopyrite fill the interstices of pyrite and quartz grains. Large Pyrite grains have small cavities and the walls of these cavities and grain boundaries are lined with sharpe crystal faces, suggesting that these large grains have been formed by the coalescence of smaller grains. Large pyrite crystals are partly brecciated and filled with chalcopyrite and quartz. Chalcopyrite replaces pyrite forming irregular patches in pyrite aggregates. Anhedraal sphalerite, the size of 10µm average, distribute uniformly with chalcopyrite patches. Chalcopyrite and sphalerite occur intimately associated each other.

<b>Sample collected from drill cores: MJOY-7-17.40</b>	
Ore Type	Strongly disseminated sulphide ore
Microscopic Observation	Anhedral pyrite grains, the size of which ranges from 500µm to 3mm, consist of small euhedral to subhedral pyrite crystals (10-100µm). Large pyrite crystals are partly brecciated and filled with small anhedral chalcopyrite and quartz. Chalcopyrite replaces pyrite forming irregular patches in pyrite aggregates. Anhedral sphalerite, the size of 10µm average, distribute mainly with pyrite. Anhedral pyrrhotite, the size of 10µm average, distribute uniformly with pyrite. Pyrrhotite and pyrite occur intimately associated each other. Anhedral hematite, the size of 20µm average, distribute uniformly with chalcopyrite, pyrite and gangue minerals.

<b>Sample collected from drill cores: MJOY-7-35.50</b>	
Ore Type	Disseminated sulphide ore
Microscopic Observation	Euhedral to anhedral pyrite grains, the size of which ranges from 500µm to 2mm, distribute in gangue minerals. Irregular patches of chalcopyrite fill the interstices of pyrite and quartz grains. Large pyrite crystals are partly brecciated and filled with chalcopyrite. Chalcopyrite replaces pyrite forming irregular patches in pyrite aggregates.

<b>Sample collected from drill cores: MJOY-7-107.20</b>	
Ore Type	Slightly disseminated sulphide ore
Microscopic Observation	Subhedral to anhedral pyrite grains, the size of which ranges from 200µm to 3mm, distribute sporadically in the matrix consisting of small grains of pyrite, chalcopyrite and gangue minerals. Large pyrite crystals are partly brecciated and filled with anhedral chalcopyrite and quartz. Chalcopyrite replaces pyrite forming irregular patches in pyrite aggregates. Anhedral sphalerite, the size of 10µm average, distribute uniformly with chalcopyrite patches. Anhedral hematite, the size of 10µm average, distribute mainly with subhedral pyrite.

## **Appendix 7**

**Description of thin sections of surface and borehole samples**

Description of thin sections of surface and borehole samples.

Ser. No.	Sample No.	Coordination		Geological Unit	Rock Name	Texture	Phenocrysts, crystals and fragments											Secondary Minerals											Remarks								
		N	E				Quartz	K-feldspar	Plagioclase	Amphibole	Clinopyroxene	Olivine	Calcite	Apatite	Magnetite	Cr-spinel	Opaque minerals	Glass	Quartz	Albite	Actinolite	Tremolite	Zeolite	Stilbite	Dickite	Sericite	Chlorite	Epidote		Calcite	Laumontite	Smectite	Pargasite	Serpentine	Pumpellyite	Prehnite	Pyrite
1	YN01	459800	2617750	Lasail	Basalt	Intersertal, amigdaloidal and porphyritic			⊙	○						⊙	⊙	⊙							Δ	Δ	.	.								Δ	Phenocryst: Clinopyroxene
2	YN02	459800	2618400	Dyke	Basalt	Hyalopilitic, amigdaloidal and porphyritic			⊙	○						⊙	⊙								Δ	○		.							.	Phenocryst: Clinopyroxene	
3	YN03	460000	2617500	Lasail	Basalt	Subophitic			⊙	⊙						⊙	⊙	⊙						Δ	.	Δ								.	Δ	Phenocryst: Clinopyroxene	
4	YN04	460000	2618250	Lasail	Metalliferous sediment	Clastic and laminated	⊙																	Δ									⊙	⊙	Including radiolaria		
5	YN05	460200	2617250	Lasail	Basalt	Intersertal and amigdaloidal			⊙	⊙						⊙	⊙	○						Δ	.			.	.	.					Δ	Phenocryst: Clinopyroxene	
6	YN06	460400	2618950	Alley	Basalt	Subophitic and amigdaloidal			⊙	⊙							.							Δ	.	.		Δ							Δ		
7	YN07	460400	2618424	Sheeted dyke	Dolerite	Subophitic			⊙	○						⊙	Δ	⊙						⊙	Δ	○									.		
8	YN09	457400	2617300	Melange	Marble	Granular						⊙					.							.	⊙									.	Δ		
9	YN12	458200	2617200	Dyke	Rhyolite	Porphyritic	⊙	⊙	○									.						Δ		○								.	Phenocryst: K-feldspar		
10	YN14	458400	2617850	Cumelate sequence	Olivine gabbro	Granular and cumulate			⊙	⊙	○						.																		.		
11	YN16	458600	2617540	Cumelate sequence	Gabbro	Granular and cumulate			⊙	⊙													○												.		
12	YN18	458800	2618300	Cumelate sequence	Gabbro	Granular and cumulate			⊙	⊙													○			Δ										.	
13	YN20	459800	2618800	Cumelate sequence	Troctolite	Granular and cumulate				Δ	⊙	⊙																								⊙	
14	YN22	Western Khushshan		Lasail	Basaltic andesite	Intersertal			⊙	○	Δ					⊙	⊙	⊙	Δ																Δ	Δ	
15	YN23	Eastern Khushshan		Geotimes	Basalt	Intersertal			⊙	⊙						⊙	.	⊙						○	.	.		.					Δ	.	.	.	
16	YN24	459700	2619000	Lasail	Basaltic andesite	Intersertal and amigdaloidal			○	Δ						⊙	⊙							○	.	Δ									.	.	
17	YN25	459800	2618700	Lasail	Basaltic andesite	Intersertal and amigdaloidal			⊙	○						⊙	⊙	Δ						Δ	Δ	○	Δ							.	.		
18	YN26	459000	2617500	Sheeted dyke	Dolerite	Ophitic and porphyritic			⊙	⊙						○		⊙	Δ					Δ	.	.									Δ	Phenocryst: Cpx & Pl	
19	YN27	458940	2615827	Alley	Basaltic andesite	Intersertal, amigdaloidal and quench			○	Δ						⊙	⊙							Δ	.			.	Δ					.	.		
20	YN29	Southeastern Rakah Mine		Lasail	Basalt	Intersertal and porphyritic			⊙	⊙						⊙	○							Δ	Δ	.							Δ	Δ	Phenocryst: Clinopyroxene		
21	YN30	Eastern Rakah Mine		Alley	Basalt	Intersertal and quench			⊙	⊙						⊙	Δ	⊙						.	.	○								.	.		
22	YN31	Eastern Rakah Mine		Lasail	Basaltic andesite	Intersertal, amigdaloidal and porphyritic			⊙	○						⊙	○	⊙							○	.								.	.	Phenocryst: Clinopyroxene	

⊙: abundant, ○: common, Δ: a little, .: rare





## **Appendix 8**

**Results of X-ray diffraction analyses of surface and  
borehole samples**

Results of X-ray diffraction analyses of surface and borehole samples.

Ser. No.	Sample No.	Coordination		Geological Unit	Description	Detected Minerals														Remarks				
		N	E			Quartz	Tridymite	Anorthite	Pargasite	Diopside	Enstatite	Calcite	Chlorite	Kaolinite	Dickite	Sericite	Laumontite	Stilbite	Chrysotile		Hematite	Magnetite	Pyrite	
1	YN01	459800	2617750	Laseil	Basalt	⊙		Δ		○		○												Sanidine?
2	YN02	459800	2618400	Dyke	Basalt	⊙		.		Δ			.											Sanidine?
3	YN03	460000	2617500	Laseil	Basalt	○		⊙					Δ											
4	YN04	460000	2618250	Laseil	Metalliferous sediment	⊙				Δ											Δ	Δ		jaspilite
5	YN05	460200	2617250	Laseil	Basalt	⊙		○		Δ			Δ											
6	YN06	460400	2618950	Alley	Basalt	Δ		⊙				Δ	.											
7	YN07	460400	2618424	Sheeted dyke	Dolerite	⊙		⊙				○	⊙											
8	YN09	457400	2617300	Umar Group	Marble	.						⊙	tr	tr										
9	YN14	458400	2617850	Cumulate	Olivine gabbro			⊙						tr										
10	YN16	458600	2617540	Cumulate	Gabbro			Δ	.	Δ			⊙											
11	YN18	458800	2618300	Cumulate	Gabbro			○	⊙															
12	YN20	459800	2618800	Cumulate	Troctolite						Δ		Δ	tr						⊙				unknown
13	YN22	Western Khushshan		Laseil	Basaltic andesite	⊙		⊙	.				.							.				
14	YN23	Eastern Khushshan		Geotimes	Basalt	○		⊙				.	.											
15	YN24	459700	2619000	Laseil	Basaltic andesite	⊙						.	.											
16	YN25	459800	2618700	Laseil	Basaltic andesite	⊙						.	○											
17	YN26	459000	2617500	Sheeted dyke	Dolerite			⊙	○				Δ											
18	YN27	458940	2615827	Alley	Basaltic andesite	⊙				⊙			.			Δ					Δ			
19	YN29	Southeastern Rakah Mine		Laseil	Basalt	○		⊙				Δ	○											
20	YN30	Eastern Rakah Mine		Alley	Basalt	Δ		⊙				.	.								.			
21	YN31	Eastern Rakah Mine		Laseil	Basaltic andesite	⊙		○				.												
22	2-30.40	459800	2618600	Laseil	Chlorite-altered rock	○							⊙											
23	2-145.30	459800	2618600	Laseil	Hyaloclastite	⊙						.	○											
24	2-183.60	459800	2618600	Laseil	Basaltic andesite	⊙		○				Δ	○											
25	3-20.40	459800	2618500	Laseil	Basalt	⊙				Δ		.		.							.			
26	3-174.90	459800	2618500	Laseil	Basaltic andesite	⊙							Δ											
27	4-17.45	459800	2618700	Laseil	Basalt	⊙						○	.										.	unknown
28	4-117.30	459800	2618700	Laseil	Silicified-chloritized rock	⊙						○	○										○	
29	5-17.80	459900	2618500	Laseil	Basaltic andesite								Δ				⊙							
30	5-64.50	459900	2618500	Laseil	Basalt	○		⊙					Δ											
31	5-155.75	459900	2618500	Laseil	Basaltic andesite	⊙		.				○	○										.	

⊙: abundant, ○: common, Δ: a little, .: rare, tr: trace