

第 III 部 結論及び提言

計画し、総延長 602.45m 掘進した。

地質調査の結果、本地区のトレンチの地質はA, A/B, BおよびC層に区分される。A及びB層に構造は認められなかったが、C層では石英脈および剪断構造が観察された (Fig. II-2-3)。トレンチ壁最下底から採取した幅 2m の試料の分析の結果、Au 0.1g/t 以上の品位が多数の箇所確認された。また 1箇所 Au 3.11g/t の品位を示す試料が確認された。サブロライト中の高品位帯は石英脈或いは剪断帯構造と一致している。石英脈脈及び剪断帯などの地質構造から、本地区のボーリングの傾斜方位を N45E 方向とした。

ボーリング調査の結果、サブロライト層の厚度、金異常と地質構造の関係及び初生鉱床の鉱化状況が確認された (Fig. II-2-4, Fig. II-2-9)。土壌とサブロライト層の平均層厚は約 20m であり、B 地区と比較して風化変質が弱いと推測される。また、サブロライト及び岩盤に剪断帯が確認され、その幅は B 地区の剪断帯と比較して狭い。剪断帯の変質は、珪化、カリ長石変質、緑レン石化、緑泥石化からなる。金鉱化帯も多数認められ、普遍的に石英細脈・黄鉄鉱・黄鉄鉱フィルムが存在する。ボーリング調査の解析から、本地区の金鉱床は少なくとも 2 方向の剪断帯に伴う鉱化作用が考えられ、それらは北西-南東方向及び北東-南西方向である (Fig. II-2-9)。

地質調査及びボーリング調査の結果、ラテライト質層は本地区で存在しないこと、また地表部のサブロライト中の金鉱化帯は花崗岩質岩盤へ連続していることが確認された。従って、サブロライト中に残留金鉱床は期待できないことが推定された。

本年度の調査から、本地区の金鉱化帯は小規模で低品位～中品位であり、品位にかなりばらつきのあることが分かった。また、これまでの調査の結果、ボーリング実施範囲内では基盤岩中に有望な金鉱床を捕捉することはできなかった。

(3) G 地区

土壌地化学探査では試料採取測線を 108.2km 計画し、土壌試料を 1,127 個採取した。ボーリング調査では RC ボーリングを 3 測線計画し、総掘進長 2,150m で 43 孔を掘進した。DD ボーリングを 3 孔計画し、総延長 301.95m 掘進した。

G 地区の探鉱は B 及び C 地区に比較し 1 年遅れて実施されているため、本年度は土壌地化学探査準精査から開始した。地化学探査の単変量解析の結果、Au と Cu が 0.279 の弱い相関を示し、他に高い相関を示す元素は認められなかった。土壌地化学探査から抽出された金異常域は、北部地域の中央部地域及び南部地域の東部と西部に分布する (Fig. II-3-5)。特に南部地域東部では 100 ppb 以上の値がまとまって分布し、NW-SE 方向に伸長し、これまでの調査から得られた地質構造と一致する。多変量解析の結果、金の鉱化作用に関連する因子は Au-(Cu) の組み合わせである (Fig. II-3-7)。

ボーリング調査を、100 ppb 以上の値がまとまって分布する南部地域東部の地化学金異常帯でのみ実施した。その結果、南部地域東部のサブロライト層の層厚、金異常と地質構造の関係及び初生鉱床の鉱化状況が確認された (Fig. II-3-11, Fig. II-3-15)。RC ボーリング

調査からサブロライト層の平均層厚は 40m前後である。サブロライト及び岩盤に剪断構造が広く確認された。また、剪断帯中心部の変質は強いカリ長石化、珪化、黄鉄鉱の鉱染及びフィルム等からなる。金鉱化帯も多数確認された。剪断帯には普遍的に石英細脈・黄鉄鉱・黄鉄鉱フィルム等が存在する。本地区は鉱化作用を伴う大規模な構造体に位置するものと考えられる。

RC ボーリングの分析の結果 (Fig. II-3-11), G1 測線の花崗岩質サブロライト及び岩盤に Au0.1g/t 以上の平均品位が 19 箇所確認され、2m 間試料の平均品位は最大 Au6.89g/t を示した。G2 測線でも同様な結果が得られた。RC ボーリングの岩片観察及び DD ボーリング・コア観察の結果、金鉱化帯は剪断化角礫化斑状黒雲母花崗岩の胚胎し、石英細脈、黄鉄鉱の鉱染帯及びフィルムを伴う。このような場所では一般に数百 ppb から数 g/t の金を含有する。鉱化帯の金品位は一般的に鉱染状或いはフィルム状硫化物の量と比例する傾向にあると考えられる。肉眼的に黄鉄鉱が多いところはしばしば Au1g/t 以上の品位を示す。

これまでの調査の結果、金鉱化帯は本地区に多数確認されたが、金鉱化帯の金品位及び規模の解明は不十分であると考えられる。また、ボーリング調査で確認された鉱化帯は斑岩型金タイプと考えることもできる。

第2章 将来への提言

アルタ・フロレスタ地域のB地区、C地区及びG地区の3地区に対する将来への提言は以下の通りである。

2-1 B地区

本年度の調査結果から、本地区に鉱化帯を伴う剪断帯が多く発達することが明らかになった。また、鉱化帯に普遍的に黄鉄鉱・黄鉄鉱染・黄鉄鉱フィルムが存在し、本調査対象地域は鉱化作用を伴う大規模な構造体中に位置することが推定された。しかし、鉱石分析の結果、金鉱化帯は小規模で、低品位～中品位であり、品位にかなりばらつきがあることが明らかになった。従って、ボーリング調査範囲内の岩盤中には有望な金鉱床の賦存が期待できないため、今後、ボーリング調査範囲内において調査を継続する必要はないものと考えられる。しかしながら、本地区東端に位置するガリンポ・ジャカレ鉱微地を含む範囲には東側に開いた土壌地化学異常域がまだ存在し、そこには高品位のストックワーク・タイプ金鉱化帯である可能性がある。

2-2 C地区

ボーリング調査の結果、剪断帯が対象地域に多数確認されたが、その幅は比較的狭い。剪断帯には普遍的に石英細脈・黄鉄鉱染・黄鉄鉱フィルムが存在する。調査対象地域に鉱化作用を伴う小規模な剪断帯が広範囲に存在することが推定された。しかし、本地区の金鉱化帯は小規模で低品位～中品位であり、品位にかなりばらつきのあることから、本地区中心部の基盤岩中に有望な金鉱床に結びつくような鉱化帯を捕捉できなかった。

Fig. II-2-9 に示したようにボーリングの調査範囲内の北東側にNW-SE系の鉱化帯が比較的纏まって連続する。またこの連続する鉱化帯に沿って高い土壌地化学異常も連続する。金鉱化帯は明らかにNW-SE方向を示す。また、本地区中心部の外側には幅は狭いが連続性が良く、高い金異常値を示す地化学異常域がまだ数箇所存在する。

そのため、ボーリング実施範囲外の東部及び西部に存在するNW-SE方向の高い土壌地化学異常域でボーリング調査を実施し、高品位含金石英脈が賦存する可能性がある。

2-3 G地区

ボーリング調査で捕捉された鉱化帯は、AuとCuの相関の高い土壌地化学異常域に位置し、第II部第3章の総合検討で示した特徴を持つことから、斑岩型金タイプの鉱床であると考えられる。この斑岩型金タイプの鉱床は、本地区内の他の土壌地化学異常域にも存在する可能性が考えられる。しかし、本地区ボーリング調査実施範囲内の金の鉱化に関連する斑状花崗岩の地球化学的特性、分布及び規模はどのようなものか、課題が残る。また、捕捉された鉱化帯は斑岩型金タイプの鉱化帯の縁辺部に当たる可能性も考えられる。

また、ペゾン・ガリンポ鉱徴地は剪断帯に伴う高品位鉱染状鉱床と考えられるが、また斑岩型金タイプに伴う鉱染状鉱床とも考えることができ、今後の調査によって明らかとなることが考えられる。

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- Appendix 20 Statistical data of soil geochemical survey, histogram, EDA and cumulative
Frequency for each element in Block G
- Appendix 21 Distribution map for each element in Block G

Appendix 1 Description of thin sections in the project area

Appendix 2 Description of polished ores in the project area

Appendix 3 Results of X-ray diffraction analyses in the project area

Ser. No.	Sample No.	District	Coordination		Descriptions	Detected Minerals								Remarks		
			S	W		quartz	K-feldspar	albite	kaolinite	chlorite	muscovite	hornblende	gibbsite		pyrite	
1	B1-10m	Block B Trench B1	9°22'23"	57°28'55"	Sericite rich mylonite with pyrite films and cubic pyrite dissemination.	○		●			◎					tr
2	B1-12m	Block B Trench B1	9°22'23"	57°28'55"	Sericite rich mylonite with pyrite films and cubic pyrite dissemination.	○		·			◎					
3	A3101	Block C Trench C1	9°30'51"	56°34'09"	Quartz vein in saprolite (w: 1 to 2 cm).	◎		◎			○			●		·
4	A3104	Block C Trench C1	9°30'51"	56°34'09"	Very coarse grained, bi-ho granite.	◎		◎			○			◎		
5	A3109	Block C Trench C2	9°30'15"	56°34'02"	Pale yellowish gray, sericite saprolite.	◎		◎			●					
6	A3111	Block C Trench C2	9°30'15"	56°34'02"	Sheared zone (W: 10cm) in saprolite with pyrite dissemination.	◎					◎					
7	A3113	Block C Trench C2	9°30'15"	56°34'02"	Sericite alteration of saprolite in sheared zone.	◎					◎					
8	A3117	Block C Trench C2	9°30'15"	56°34'02"	Sericite alteration of saprolite in sheared zone.	◎					◎					
9	A3121	Block C Trench C2	9°30'15"	56°34'02"	Silicified and argillized zone near quartz vein.	◎		◎			●				○	
10	A3125	Block C Trench C2	9°30'15"	56°34'02"	Sericite alteration of saprolite in sheared zone.	◎					◎					
11	A3002	Block G	9°56'28"	55°28'57"	Pile of pyrite disseminated ore in sheared granite.	◎					◎					◎
12	A3006	Block G	9°57'51"	55°21'22"	White argillized clay with quartz vein fragments with kaolinite and sericite.	◎					◎					
13	A3008	Block G	9°57'51"	55°21'22"	Greenish gray, sheared green schist.	◎					◎					
14	E3008	Block G	9°55'17"	55°21'30"	Dark greenish gray, diabase (gabbro?).						◎					·
15	J3002	Block G	9°53'37"	55°21'04"	Quartz vein with hematite and limonite (pyrite holes) W: 15cm.	◎										
16	J3003	Block G	9°53'40"	55°21'04"	White to light brown, silicified and altered granite.	◎										
17	J3004	Block G	9°53'49"	55°21'04"	silicified and altered mica granite.	◎										
18	J3005	Block G	9°53'03"	55°21'04"	Pinkish gray, fine grained biotite granite.	◎		◎			◎			○		
19	M3001	Block G	9°55'22"	55°21'24"	White to light brown, altered granite with hematite and limonite (pyrite disseminated).	◎					◎					tr

◎: abundant, ○: common, ●: a little, ·: rare

tr: trace

Appendix 4 Dating results in the project area

Ser. No.	Sample No.	District	Coordination		Rock Name	Geol. Unite	Texture	Age
			S	W				
1	A3002	Block G	9° 56'28"	55° 28'57"	Pyrite dissemination in altered granite with silicification and epidotization.	Mineralization	Dissemination in sheared zone	1.56 Ga (Pb/Pb ,method)
2	A3006	Block C	9° 30'56"	56° 35'54"	Quartz vein with pyrite dissemination and rare chalcopyrite.	Mineralization	Dissemination in quartz vein	1.76 Ga (Pb/Pb ,method)

Pb-Pb results in pyrite

Sample	206/207	($\pm 2\sigma$)	206/208	($\pm 2\sigma$)	206/204	($\pm 2\sigma$)	207/204
A3002	1.03648	0.55	0.44255	0.74	15.8013	0.44	15.2451
A3106	1.02661	0.37	0.4465	0.48	15.7448	0.41	15.3366

Model age using the two-stage model of Stacey & kramers (1975) :

A3002 – 1,56 Ga

A3106 – 1.76 Ga

The obtained results plot over the mantle evolution curve in the Plumbotectonics model graphic (fig.1), characterizing a juvenile source for the lead from the analyzed pyrites.

The isotope ratios of lead from the analyzed pyrites fit over a single-stage growth curve, similar with other ore deposits that occur in volcanic island arcs (fig.2).

The results suggest a co-magmatic origin of the lead in the pyrites, which age is similar with the crystallization ages near 1.8 Ga obtained in Au-bearing granites from the northern Mato Grosso.

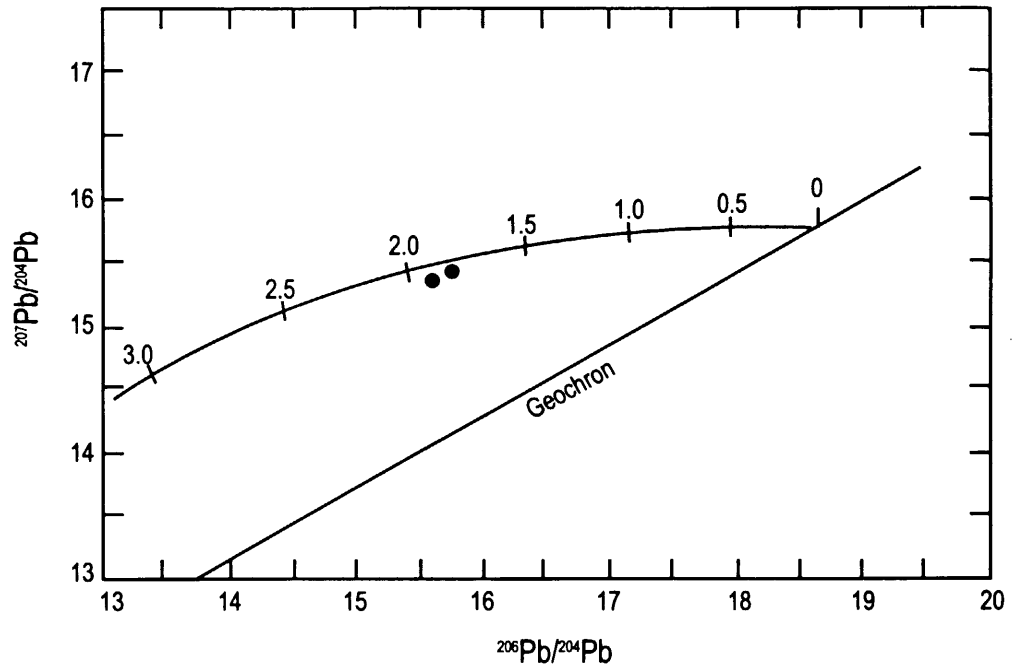


Fig. 1

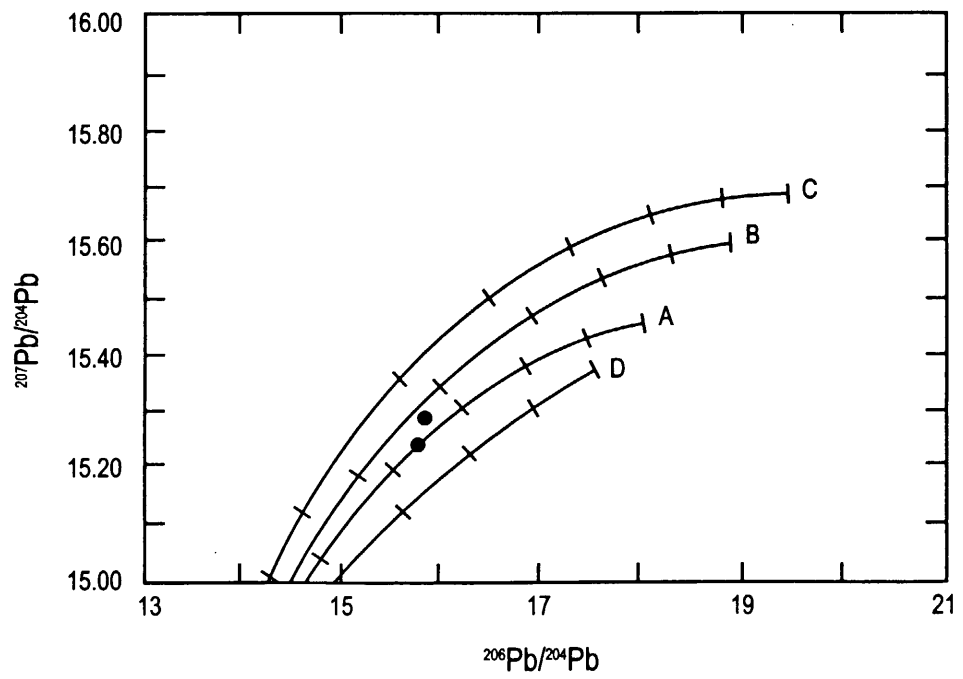


Fig. 2

**Appendix 5 Analytical results and histogram of fluid inclusion
in the project area**

Ser. No.	Sample No.	District	Coordination		Rock Name	Temperature (°C)			Salinity (%)		Au (ppm)
			S	W		Number	Range	Average	Number	Nacl eq.	
1	B1-12m	Block B	9° 22' 23"	57° 28' 55"	Quartz vein in sericite rich mylonite with pyrite films and cubic pyrite dissemination.	30	81.0°C – 136.2°C	99.7°C		12.50%	--
2	A3101	Block C Trench C1	9° 30' 51"	56° 34' 09"	Quartz vein with hematite (pyrite holes) in garimpo.	20	273.7°C – 385.5°C	321.5°C		13.10%	0.01
3	A3108	Block C Trench C2	9° 30' 15"	56° 34' 02"	Quartz vein (W: 5 cm) in yellow saprolite.	30	165.0°C – 226.2°C	195.6°C		12.50%	0.02
4	A3125	Block C Trench C2	9° 30' 15"	56° 34' 02"	Quartz vein (W: 15cm) in saprolite with pyrite dissemination.	20	279.4°C – 393.6°C	317.2°C		13.70%	51.70

Temperatures and Salinities of Fluid Inclusions

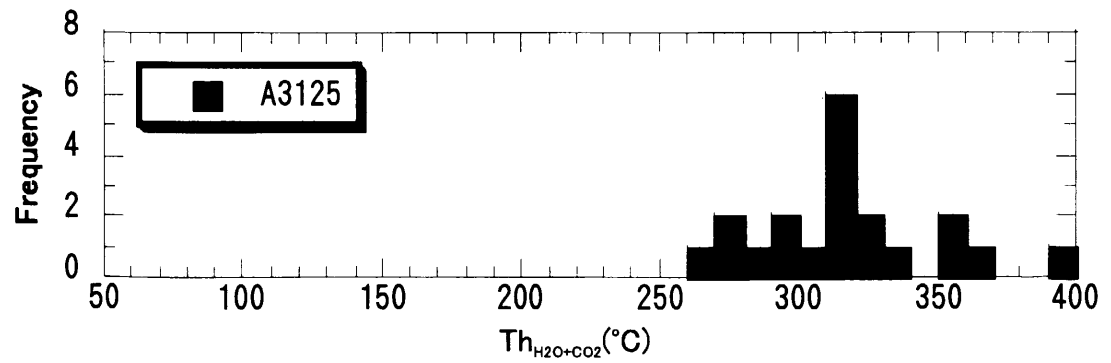
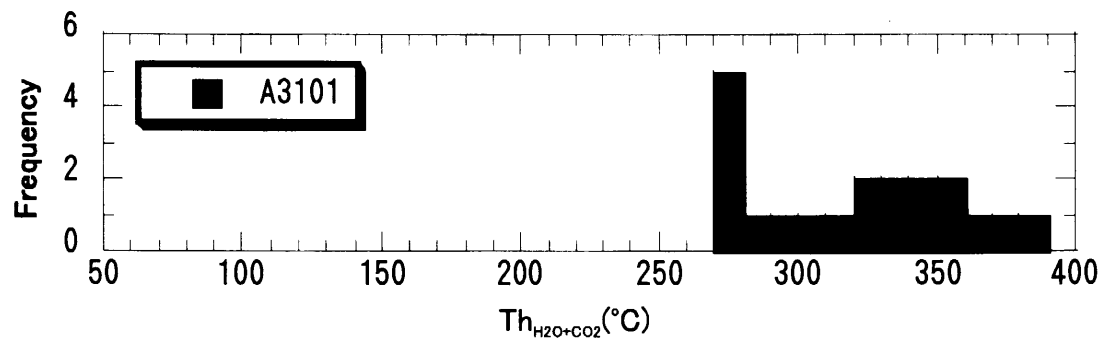
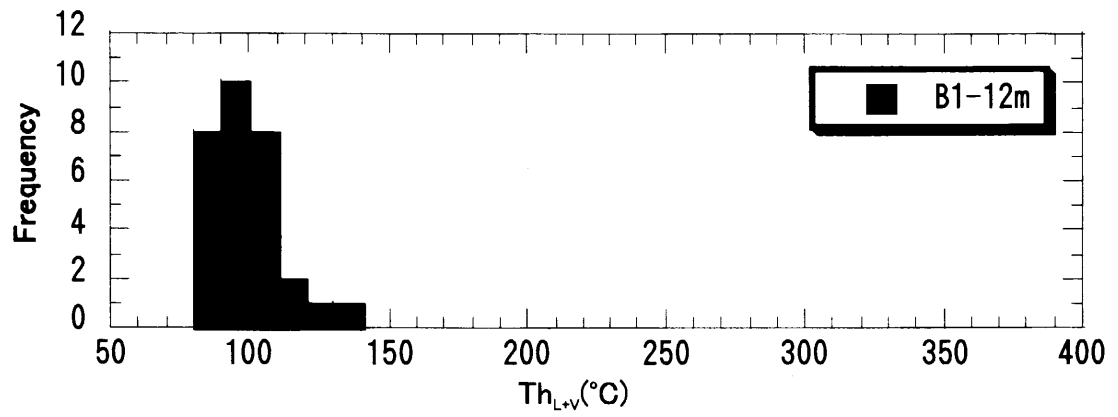
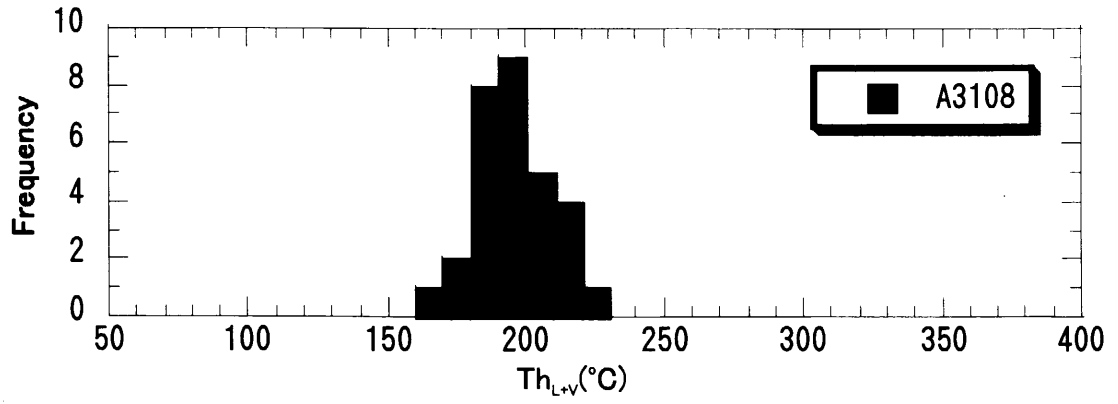
Type of fluid inclusions	Sample No.	Th: L+V			Tm: Ice			Salinity(%) (NaCl eq.)		
		Num.	Range	Ave.	Num.	Range	Ave.			
H2O	A3108	30	165.0 - 226.2	195.6	10	-10.5 - -7.1	-8.7	12.5		
H2O	B1-12m	30	81.0 - 136.2	99.7	10	-9.5 - -7.4	-8.7	12.5		
		Th: CO2+H2O			Th: CO2(L)+CO2(V)			Tm: Dryice		
		Num.	Range	Ave.	Num.	Range	Ave.	Num.	Range	Ave.
H2O-CO2	A3101	20	273.7 - 385.5	321.5	5	29.9 - 30.3	30.1	5	-58.4 - -58.0	-58.2
H2O-CO2	A3125	20	279.4 - 393.6	317.2	5	24.1 - 29.2	26.5	5	-58.8 - -58.6	-58.7
		Tm: CO2 Clathrate			Tm: CO2 Clathrate		Tm: Dryice			
		Num.	Range	Ave.	Num.	Range	Ave.	Num.	Range	Ave.
		5	0.9 - 1.4	2.1	5	1.5 - 1.7	1.6	5	-58.8 - -58.6	-58.7

A3108		
Area%:V	Th:L-V	Tm:Ice
20	182.4	-8.0
20	189.0	-8.5
20	194.0	-9.0
20	204.7	-10.5
20	194.3	-7.5
20	191.2	-7.1
15	170.8	-10.5
15	165.0	-9.4
20	182.2	-7.6
20	193.1	-8.5
20	196.0	
20	202.9	
20	184.5	
20	194.5	
20	196.3	
20	206.4	
20	191.2	
20	193.1	
20	208.1	
20	185.0	
20	207.6	
20	213.5	
20	216.6	
20	218.1	
20	179.9	
20	183.5	
20	189.1	
20	189.2	
20	219.3	
20	226.2	

B1-12m		
Area%:V	Th:L-V	Tm:Ice
10	101.2	-9.4
10	115.0	-7.7
10	117.2	-9.3
10	129.4	-9.5
10	136.2	-7.4
10	81.0	-9.5
10	87.4	-9.1
10	96.2	-8.6
10	104.2	-8.1
10	106.4	-8.1
10	95.9	
10	98.0	
10	98.3	
10	86.7	
10	89.1	
10	92.8	
10	93.1	
10	86.6	
10	88.7	
10	82.0	
10	88.9	
10	92.9	
10	98.8	
10	108.5	
10	109.8	
10	92.2	
10	99.4	
10	101.3	
10	103.9	
10	108.6	

A3101				
Area%:CO ₂	Th:H ₂ O-CO ₂	Th:CO ₂ L-V	Td:CO ₂ clath.	Tm: dryice
45	359.0	30.3	0.9	-58.3
40	339.1	30.2	1.3	-58.4
40	273.7	30.2	1.0	-58.3
45	285.4	29.9	1.4	-58.0
40	279.9	30.1	1.3	-58.0
35	273.7			
30	274.1			
35	279.2			
40	296.5			
45	314.5			
40	327.1			
40	340.4			
45	346.5			
45	360.0			
45	385.5			
40	302.3			
45	329.4			
40	339.2			
45	350.8			
40	372.8			

A3125				
Area%:CO ₂	Th:H ₂ O-CO ₂	Th:CO ₂ L-V	Td:CO ₂ clath.	Tm: dryice
60	315.0	27.9	1.5	-58.6
80	311.3	24.3	1.7	-58.6
80	304.7	27.0	1.5	-58.6
70	315.3	29.2	1.7	-58.7
60	328.6	24.1	1.6	-58.8
60	312.7			
55	279.4			
60	277.0			
50	291.8			
60	296.2			
70	318.2			
60	337.2			
50	260.5			
60	320.1			
60	350.1			
60	358.1			
60	369.6			
50	393.6			
60	284.8			
50	318.9			



Appendix 6 Ore assay for trench survey in Block B and C

List of Ore Assay results in the survey area

Ser. No.	Sample No.	Coordination S. N. W.	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Fe (%)	As (ppm)	Sb (ppm)	Hg (ppm)	Bi (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)	V (ppm)	Mn (ppm)	Mo (ppm)	K (%)	W (ppm)
1	B1002	9*22'23" 57*28'55"	light brown, sandy saprolite	< 5	< 3.0	23	87	36.0	5.1	3.0	< 1	< 50	< 20	< 3.0	< 8.0	11.0	71.0	0.03	< 3.0	1.8	< 20
2	B1004	9*22'23" 57*28'55"	Same above	15	< 3.0	23	89	40.0	5.4	3.0	< 1	< 50	< 20	< 3.0	8.3	10.0	80.0	0.03	< 3.0	2.1	< 20
3	B1006	9*22'23" 57*28'55"	Same above	< 5	< 3.0	23	89	40.0	5.8	3.0	< 1	< 50	< 20	< 3.0	< 8.0	11.0	80.0	0.03	3	2	< 20
4	B1008	9*22'23" 57*28'55"	Yellowish brown, sandy saprolite with few quartz veins fragments	22	< 3.0	25	105	45.0	6.3	2.0	< 1	< 50	< 20	< 3.0	< 8.0	11.0	71.0	0.04	< 3.0	2.3	< 20
5	B1010	9*22'23" 57*28'55"	Same above	11	< 3.0	26	127	56.0	6.0	1.0	< 1	< 50	< 20	< 3.0	< 8.0	10.0	53.0	0.04	< 3.0	3.4	< 20
6	B1012	9*22'23" 57*28'55"	Same above	< 5	< 3.0	22	127	34.0	4.4	2.0	< 1	< 50	< 20	< 3.0	9.8	18.0	36.0	0.13	< 3.0	2.1	< 20
7	B1014	9*22'23" 57*28'55"	Light brown, clayey sandy saprolite with few quartz vein fragment.	22	< 3.0	24	119	64.0	6.4	3.0	< 1	< 50	< 20	< 3.0	< 8.0	9.7	48.0	0.04	< 3.0	4.1	< 20
8	B1016	9*22'23" 57*28'55"	Same above	30	< 3.0	19	92	57.0	5.2	2.0	< 1	< 50	< 20	< 3.0	< 8.0	8.6	37.0	0.03	< 3.0	3.7	< 20
9	B1018	9*22'23" 57*28'55"	Light brown, clayey sandy saprolite with rare pisolith.	7	< 3.0	21	111	64.0	7.1	4.0	< 1	< 50	< 20	< 3.0	< 8.0	8.1	40.0	0.03	< 3.0	3.5	< 20
10	B1020	9*22'23" 57*28'55"	Red brown, clayey sandy saprolite with few pisolith.	81	< 3.0	23	114	68.0	8.2	5.0	< 1	< 50	< 20	< 3.0	< 8.0	8.5	49.0	0.04	< 3.0	3.5	< 20
11	B1022	9*22'23" 57*28'55"	Same above	15	< 3.0	22	106	60.0	7.3	4.0	< 1	< 50	< 20	< 3.0	< 8.0	8.7	44.0	0.03	< 3.0	3.2	< 20
12	B1024	9*22'23" 57*28'55"	Same above	52	< 3.0	u**	104	57.0	7.8	4.0	< 1	< 50	< 20	< 3.0	< 8.0	8.3	55.0	0.02	< 3.0	2.7	< 20
13	B1026	9*22'23" 57*28'55"	Yellow brown, clayey sandy saprolite with rare pisolith.	82	< 3.0	23	101	56.0	7.7	4.0	< 1	< 50	< 20	< 3.0	< 8.0	7.2	62.0	0.02	< 3.0	2.5	< 20
14	B1028	9*22'23" 57*28'55"	Red brown, clayey sandy saprolite with many pisolith.	303	< 3.0	24	103	94.0	7.6	4.0	< 1	< 50	< 20	< 3.0	< 8.0	7.3	55.0	0.02	3	2.9	< 20
15	B1030	9*22'23" 57*28'55"	Same above	252	< 3.0	24	105	68.0	7.5	4.0	< 1	< 50	< 20	< 3.0	< 8.0	7.6	51.0	0.03	< 3.0	3	< 20
16	B1032	9*22'23" 57*28'55"	Red brown, clayey sandy saprolite with rare pisolith.	204	< 3.0	25	101	59.0	8.0	4.0	< 1	53	< 20	< 3.0	< 8.0	7.7	74.0	0.03	< 3.0	2.2	< 20
17	B1034	9*22'23" 57*28'55"	Light brown, clayey sandy saprolite with rare pisolith.	71	< 3.0	25	104	62.0	7.6	4.0	< 1	51	< 20	< 3.0	< 8.0	8.1	60.0	0.03	< 3.0	2.7	< 20
18	B1036	9*22'23" 57*28'55"	Light brown, clayey sandy saprolite with many pisolith.	270	< 3.0	29	102	56.0	> 10.0	9.0	< 1	60	< 20	< 3.0	< 8.0	7.5	114.0	0.02	< 3.0	1.8	< 20
19	B1038	9*22'23" 57*28'55"	Light brown, clayey sandy saprolite with rare pisolith.	348	< 3.0	26	97	57.0	7.6	6.0	< 1	51	< 20	< 3.0	< 8.0	8.8	74.0	0.03	< 3.0	1.8	< 20
20	B1040	9*22'23" 57*28'55"	Same above	271	< 3.0	29	105	54.0	8.5	6.0	< 1	50	< 20	< 3.0	< 8.0	11.0	79.0	0.04	< 3.0	1.9	< 20
21	B1042	9*22'23" 57*28'55"	Yellow brown, clayey sandy saprolite with rare pisolith.	1510	< 3.0	24	102	53.0	7.0	4.0	< 1	58	< 20	< 3.0	< 8.0	8.5	54.0	0.03	< 3.0	2.5	< 20
22	B1044	9*22'23" 57*28'55"	Light brown, clayey sandy saprolite with rare pisolith.	377	< 3.0	25	104	51.0	7.8	6.0	< 1	51	< 20	< 3.0	< 8.0	8.9	80.0	0.03	< 3.0	1.9	< 20
23	B1046	9*22'23" 57*28'55"	Same above	253	< 3.0	26	102	52.0	8.7	6.0	< 1	74	< 20	< 3.0	< 8.0	8.1	90.0	0.02	< 3.0	1.8	< 20
24	B1048	9*22'23" 57*28'55"	Same above	248	< 3.0	26	100	53.0	8.9	6.0	< 1	51	< 20	< 3.0	< 8.0	9.4	91.0	0.03	< 3.0	2.2	< 20
25	B1050	9*22'23" 57*28'55"	Same above	78	< 3.0	23	107	57.0	7.4	3.0	< 1	50	< 20	< 3.0	< 8.0	7.5	57.0	0.02	< 3.0	2.8	< 20

List of Ore Assay results in the survey area

Ser. No.	Sample No.	Coordination		Description	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Fe (%)	As (ppm)	Sb (ppm)	Hg (ppm)	Bi (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)	V (ppm)	Mn (ppm)	Mo (ppm)	K (%)	W (ppm)
		S	W																			
26	B1052	9°22'23"	57°28'55"	Light brown, clayey sandy saprolite with rare pisolith.	186	<3.0	20	94	52.0	6.4	2.0	1	<50	<20	<3.0	<8.0	3.6	48.0	0.02	<3.0	2.9	<20
27	B1054	9°22'23"	57°28'55"	Same above	170	<3.0	20	103	62.0	7.1	3.0	<1	<50	<20	<3.0	<8.0	3.7	42.0	0.03	<3.0	3.7	<20
28	B1056	9°22'23"	57°28'55"	Same above	557	<3.0	22	107	61.0	7.5	3.0	<1	<50	<20	<3.0	<8.0	4.0	48.0	0.03	<3.0	3.3	<20
29	B1058	9°22'23"	57°28'55"	Red brown, clayey sandy saprolite.	201	<3.0	23	107	60.0	7.7	2.0	<1	<50	<20	<3.0	<8.0	5.0	57.0	0.03	<3.0	3	<20
30	B1060	9°22'23"	57°28'55"	Same above	1150	<3.0	23	106	58.0	6.8	3.0	<1	<50	<20	<3.0	<8.0	4.3	49.0	0.02	<3.0	3.1	<20
31	B1062	9°22'23"	57°28'55"	Red brown, clayey sandy saprolite with many pisolith.	713	<3.0	23	108	63.0	8.0	3.0	<1	50	<20	<3.0	<8.0	3.6	50.0	0.02	<3.0	3.1	<20
32	B1064	9°22'23"	57°28'55"	Same above	1010	<3.0	24	116	67.0	7.8	4.0	<1	71	<20	<3.0	<8.0	4.5	43.0	0.04	<3.0	3.4	<20
33	B1066	9°22'23"	57°28'55"	Same above	311	<3.0	24	114	62.0	7.6	3.0	<1	51	<20	<3.0	<8.0	4.8	52.0	0.03	<3.0	2.9	<20
34	B1068	9°22'23"	57°28'55"	Same above	316	<3.0	25	106	60.0	8.2	4.0	<1	<50	<20	<3.0	<8.0	3.9	57.0	0.03	<3.0	2.8	<20
35	B1070	9°22'23"	57°28'55"	Same above	115	<3.0	23	108	62.0	8.3	4.0	<1	<50	<20	<3.0	<8.0	3.9	53.0	0.02	<3.0	3.1	<20
36	B1072	9°22'23"	57°28'55"	Red, sandy clayey saprolite.	85	<3.0	29	127	62.0	8.8	5.0	<1	<50	<20	<3.0	8.4	5.6	63.0	0.09	<3.0	2.8	<20
37	B1074	9°22'23"	57°28'55"	Red, sandy clayey saprolite with many pisolith.	92	<3.0	28	112	59.0	8.9	7.0	<1	<50	<20	<3.0	<8.0	5.7	75.0	0.03	<3.0	2.5	<20
38	B1076	9°22'23"	57°28'55"	Red, sandy clayey saprolite.	126	<3.0	24	108	60.0	8.5	3.0	<1	<50	<20	<3.0	<8.0	3.6	57.0	0.02	<3.0	2.6	<20
39	B1078	9°22'23"	57°28'55"	Red brown, sandy clayey saprolite with many pisolith.	63	<3.0	27	110	56.0	8.6	5.0	<1	<50	<20	<3.0	<8.0	5.4	74.0	0.03	<3.0	2.2	<20
40	B1080	9°22'23"	57°28'55"	Same above	48	<3.0	26	109	59.0	8.0	3.0	<1	<50	<20	<3.0	<8.0	5.8	57.0	0.03	<3.0	2.7	<20
41	B1082	9°22'23"	57°28'55"	Red, sandy clayey saprolite with many pisolith.	112	<3.0	24	112	61.0	7.5	4.0	1	<50	<20	<3.0	<8.0	5.1	48.0	0.04	<3.0	2.7	<20
42	B1084	9°22'23"	57°28'55"	Reddish brown, sandy clayey saprolite with many pisolith and few qz v. fragments.	59	<3.0	29	102	44.0	7.3	4.0	1	<50	<20	<3.0	<8.0	5.9	70.0	0.03	<3.0	1.8	<20
43	B1086	9°22'23"	57°28'55"	Yellowish brown, sandy clayey saprolite with many pisolith and qz v. fragments.	163	<3.0	32	97	32.0	6.1	3.0	1	<50	<20	<3.0	<8.0	5.5	67.0	0.02	<3.0	1.1	<20
44	B1088	9°22'23"	57°28'55"	Same above	22	<3.0	27	99	33.0	6.5	3.0	1	<50	<20	<3.0	<8.0	5.5	73.0	0.01	<3.0	1.2	<20
45	B1090	9°22'23"	57°28'55"	Same above	45	<3.0	34	87	27.0	5.6	4.0	1	<50	<20	<3.0	<8.0	9.6	66.0	0.04	<3.0	0.75	<20
46	B1092	9°22'23"	57°28'55"	Same above	26	<3.0	34	95	26.0	5.8	5.0	1	<50	<20	<3.0	<8.0	8.1	68.0	0.03	<3.0	0.7	<20
47	B1094	9°22'23"	57°28'55"	Same above	33	<3.0	40	101	28.0	6.2	4.0	2	<50	<20	<3.0	<8.0	7.3	75.0	0.02	<3.0	0.72	<20
48	B1096	9°22'23"	57°28'55"	Reddish brown, clayey sandy saprolite with few pisolith.	67	<3.0	52	107	33.0	9.5	6.0	2	<50	<20	<3.0	8.2	8.9	198.0	0.02	<3.0	0.72	<20
49	B1098	9°22'23"	57°28'55"	Same above	71	<3.0	53	115	41.0	>10.0	6.0	2	<50	<20	<3.0	10.0	8.2	261.0	0.02	<3.0	0.8	<20
50	B1100	9°22'23"	57°28'55"	Same above	30	<3.0	52	117	41.0	>10.0	4.0	2	<50	<20	<3.0	11.0	7.8	255.0	0.01	<3.0	0.91	<20

List of Ore Assay results in the survey area

Ser. No.	Sample No.	Coordination		Description	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Fe (%)	As (ppm)	Sb (ppm)	Hg (ppm)	Bi (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)	V (ppm)	Mn (ppm)	Mo (ppm)	K (%)	W (ppm)
		S	W																			
51	B2002	9°23'50"	57°27'16"	Reddish brown, clayey sandy saprolite with many pisolith.	22	< 3.0	71	94	37.0	3.3	2.0	< 1	< 50	< 20	< 3.0	< 8.0	9.5	60.0	0.01	8.4	0.49	< 20
52	B2004	9°23'50"	57°27'16"	Same above	26	< 3.0	69	95	34.0	3.2	2.0	< 1	< 50	< 20	< 3.0	< 8.0	12.0	57.0	0.03	7.8	0.47	< 20
53	B2006	9°23'50"	57°27'16"	Yellowish brown, clayey sandy saprolite with many pisolith.	26	< 3.0	68	97	28.0	2.6	1.0	< 1	< 50	< 20	< 3.0	< 8.0	12.0	45.0	0.02	12	0.37	< 20
54	B2008	9°23'50"	57°27'16"	Same above	26	< 3.0	68	98	26.0	2.3	1.0	< 1	< 50	< 20	< 3.0	< 8.0	12.0	41.0	0.02	10	0.25	< 20
55	B2010	9°23'50"	57°27'16"	Same above	22	< 3.0	75	104	30.0	3.0	2.0	< 1	< 50	< 20	< 3.0	< 8.0	11.0	52.0	0.03	18	0.35	< 20
56	B2012	9°23'50"	57°27'16"	Light brown, clayey sandy saprolite with many pisolith.	30	< 3.0	88	105	38.0	3.5	1.0	< 1	< 50	< 20	< 3.0	< 8.0	9.9	58.0	0.02	20	0.41	< 20
57	B2014	9°23'50"	57°27'16"	Same above	56	< 3.0	77	119	41.0	3.4	2.0	< 1	< 50	< 20	< 3.0	< 8.0	7.6	59.0	0.02	27	0.69	< 20
58	B2016	9°23'50"	57°27'16"	Same above	63	< 3.0	89	100	28.0	3.3	3.0	< 1	< 50	< 20	< 3.0	< 8.0	6.9	57.0	0.01	25	0.57	< 20
59	B2018	9°23'50"	57°27'16"	Same above	89	< 3.0	81	93	28.0	3.2	3.0	< 1	< 50	< 20	< 3.0	< 8.0	6.7	55.0	0.02	23	0.57	< 20
60	B2020	9°23'50"	57°27'16"	Brown, clayey sandy saprolite with many pisolith.	37	< 3.0	78	117	48.0	3.8	5.0	< 1	< 50	< 20	< 3.0	< 8.0	8.2	64.0	0.05	27	0.73	< 20
61	B2022	9°23'50"	57°27'16"	Brown, clayey sandy saprolite with many pisolith.	576	< 3.0	96	272	53.0	3.7	1.0	< 1	< 50	< 20	< 3.0	< 8.0	10.0	87.0	0.02	25	0.34	< 20
62	B2024	9°23'50"	57°27'16"	Same above	85	< 3.0	76	117	32.0	3.2	4.0	< 1	< 50	< 20	< 3.0	< 8.0	7.8	56.0	0.02	25	0.6	< 20
63	B2026	9°23'50"	57°27'16"	Same above	44	< 3.0	87	113	29.0	3.8	5.0	< 1	< 50	< 20	< 3.0	< 8.0	8.3	62.0	0.04	27	0.54	< 20
64	B2028	9°23'50"	57°27'16"	Same above	30	< 3.0	86	106	33.0	3.6	4.0	< 1	< 50	< 20	< 3.0	< 8.0	11.0	58.0	0.04	23	0.62	< 20
65	B2030	9°23'50"	57°27'16"	Light brown, clayey sandy saprolite with many pisolith.	22	< 3.0	80	90	26.0	3.4	3.0	< 1	< 50	< 20	< 3.0	< 8.0	7.3	54.0	0.03	22	0.57	< 20
66	B2032	9°23'50"	57°27'16"	Same above	30	< 3.0	80	92	28.0	3.3	3.0	< 1	< 50	< 20	< 3.0	< 8.0	7.9	54.0	0.03	24	0.64	< 20
67	B2034	9°23'50"	57°27'16"	Same above	45	< 3.0	83	91	27.0	3.4	2.0	< 1	< 50	< 20	< 3.0	< 8.0	5.6	57.0	0.02	25	0.59	< 20
68	B2036	9°23'50"	57°27'16"	Same above	26	< 3.0	79	109	48.0	3.4	4.0	< 1	< 50	< 20	< 3.0	< 8.0	11.0	59.0	0.03	20	0.61	< 20
69	B2038	9°23'50"	57°27'16"	Yellowish brown, clayey sandy sapr. with many pisolith and rare qz v. fragments.	22	< 3.0	86	114	47.0	3.7	4.0	< 1	< 50	< 20	< 3.0	< 8.0	11.0	63.0	0.03	20	0.5	< 20
70	B2040	9°23'50"	57°27'16"	Same above	85	< 3.0	99	127	29.0	3.7	4.0	< 1	< 50	< 20	< 3.0	< 8.0	9.0	62.0	0.04	40	0.64	< 20
71	B2042	9°23'50"	57°27'16"	Same above	70	< 3.0	116	184	33.0	4.2	4.0	< 1	< 50	< 20	< 3.0	8.9	8.5	69.0	0.08	50	0.7	< 20
72	B2044	9°23'50"	57°27'16"	Same above	45	< 3.0	102	111	35.0	3.6	4.0	< 1	< 50	< 20	< 3.0	< 8.0	7.9	61.0	0.02	34	0.64	< 20
73	B2046	9°23'50"	57°27'16"	Same above	33	< 3.0	98	98	29.0	3.6	3.0	< 1	< 50	< 20	< 3.0	< 8.0	9.3	58.0	0.02	33	0.52	< 20
74	B2048	9°23'50"	57°27'16"	Light brown, clayey sandy saprolite with many pisolith.	15	< 3.0	99	95	27.0	3.3	3.0	< 1	< 50	< 20	< 3.0	< 8.0	9.7	56.0	0.02	26	0.47	< 20
75	B2050	9°23'50"	57°27'16"	Same above	19	< 3.0	102	86	25.0	3.4	2.0	< 1	< 50	< 20	< 3.0	< 8.0	9.1	59.0	0.02	30	0.42	< 20

List of Ore Assay results in the survey area

Ser. No.	Sample No.	Coordination		Description	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Fe (%)	As (ppm)	Sb (ppm)	Hg (ppm)	Bi (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)	V (ppm)	Mn (ppm)	Mo (ppm)	K (%)	W (ppm)
		S	W																			
76	B2052	9°23'50"	57°27'16"	Reddish brown, clayey sandy saprolite with few pisolith.	148	<3.0	117	202	34.0	3.6	3.0	<1	<50	<20	<3.0	<8.0	11.0	64.0	0.02	43	0.68	<20
77	B2054	9°23'50"	57°27'16"	Same above	22	<3.0	113	101	26.0	3.6	3.0	<1	<50	<20	<3.0	<8.0	11.0	62.0	0.02	27	0.46	<20
78	B2056	9°23'50"	57°27'16"	Yellowish brown, clayey sandy saprolite with few pisolith.	15	<3.0	111	111	28.0	3.7	2.0	<1	<50	<20	<3.0	<8.0	11.0	65.0	0.02	29	0.52	<20
79	B2058	9°23'50"	57°27'16"	Same above	118	<3.0	93	118	32.0	4.0	4.0	<1	<50	<20	<3.0	<8.0	8.5	67.0	0.02	42	0.63	<20
80	B2060	9°23'50"	57°27'16"	Same above	407	<3.0	114	268	44.0	4.4	7.0	<1	<50	<20	<3.0	13.0	7.0	81.0	0.27	87	0.63	<20
81	B2062	9°23'50"	57°27'16"	Same above	152	<3.0	106	112	31.0	3.9	4.0	<1	<50	<20	<3.0	<8.0	8.7	68.0	0.02	49	0.55	<20
82	B2064	9°23'50"	57°27'16"	Same above	44	<3.0	110	109	28.0	3.8	2.0	<1	<50	<20	<3.0	<8.0	11.0	60.0	0.03	38	0.51	<20
83	B2066	9°23'50"	57°27'16"	Same above	41	<3.0	101	102	29.0	3.7	2.0	<1	<50	<20	<3.0	<8.0	9.7	62.0	0.02	42	0.61	<20
84	B2068	9°23'50"	57°27'16"	Same above	59	<3.0	104	111	32.0	4.2	4.0	<1	<50	<20	<3.0	<8.0	9.8	70.0	0.03	50	0.63	<20
85	B2070	9°23'50"	57°27'16"	Same above	70	<3.0	99	143	32.0	3.4	3.0	<1	<50	<20	<3.0	<8.0	8.9	59.0	0.03	45	0.58	<20
86	B2072	9°23'50"	57°27'16"	Same above	56	<3.0	103	110	34.0	3.9	4.0	<1	<50	<20	<3.0	<8.0	8.9	65.0	0.02	62	0.57	<20
87	B2074	9°23'50"	57°27'16"	Same above	207	<3.0	110	114	32.0	3.5	2.0	<1	<50	<20	<3.0	<8.0	11.0	59.0	0.03	47	0.66	<20
88	B2076	9°23'50"	57°27'16"	Light brown, clayey sandy saprolite with few pisolith.	41	<3.0	87	97	26.0	3.4	3.0	<1	<50	<20	<3.0	<8.0	7.4	58.0	0.02	45	0.5	<20
89	B2078	9°23'50"	57°27'16"	Same above	33	<3.0	118	112	38.0	3.5	3.0	<1	<50	<20	<3.0	<8.0	11.0	59.0	0.02	41	0.51	<20
90	B2080	9°23'50"	57°27'16"	Same above	26	<3.0	125	108	27.0	3.8	3.0	<1	<50	<20	<3.0	<8.0	13.0	64.0	0.03	43	0.5	<20
91	B2082	9°23'50"	57°27'16"	Yellowish brown, clayey sandy saprolite with few pisolith.	33	<3.0	117	106	27.0	3.6	2.0	<1	<50	<20	<3.0	<8.0	11.0	61.0	0.01	40	0.51	<20
92	B2084	9°23'50"	57°27'16"	Same above	96	<3.0	124	121	90.0	4.2	2.0	<1	<50	<20	<3.0	<8.0	14.0	71.0	0.06	37	0.48	<20
93	B2086	9°23'50"	57°27'16"	Same above	11	<3.0	105	102	27.0	3.3	2.0	<1	<50	<20	<3.0	<8.0	12.0	55.0	0.03	27	0.46	<20
94	B2088	9°23'50"	57°27'16"	Same above	104	<3.0	111	103	47.0	3.7	2.0	<1	<50	<20	<3.0	<8.0	12.0	66.0	0.01	36	0.56	<20
95	B2090	9°23'50"	57°27'16"	Same above	30	<3.0	126	118	36.0	4.4	3.0	<1	<50	<20	<3.0	<8.0	15.0	80.0	0.03	47	0.56	<20
96	B2092	9°23'50"	57°27'16"	Reddish yellow, clayey sandy saprolite with few pisolith.	11	<3.0	127	119	32.0	4.2	4.0	<1	<50	<20	<3.0	<8.0	12.0	72.0	0.01	35	0.52	<20
97	B2094	9°23'50"	57°27'16"	Reddish yellow, clayey sandy saprolite with few pisolith.	11	<3.0	117	120	31.0	3.6	3.0	<1	<50	<20	<3.0	<8.0	9.3	67.0	0.03	38	0.51	<20
98	B2096	9°23'50"	57°27'16"	Same above	11	<3.0	120	112	31.0	3.8	4.0	<1	<50	<20	<3.0	<8.0	9.7	66.0	0.01	33	0.55	<20
99	B2098	9°23'50"	57°27'16"	Light brown, clayey sandy saprolite with many pisolith.	34	<3.0	108	100	30.0	3.6	3.0	<1	<50	<20	<3.0	<8.0	10.0	65.0	0.01	34	0.47	<20
100	B2100	9°23'50"	57°27'16"	Same above	22	<3.0	81	72	24.0	2.6	4.0	<1	<50	<20	<3.0	<8.0	8.5	45.0	0.02	17	0.41	<20

List of Ore Assay results in the survey area

Ser. No.	Sample No.	Coordination S	Coordination W	Description	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Fe (%)	As (ppm)	Sb (ppm)	Hg (ppm)	Bi (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)	V (ppm)	Mn (ppm)	Mo (ppm)	K (%)	W (ppm)
101	C1002	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	21	<3.0	21	75	23.0	4.4	<1	<1	<50	<20	<3.0	<8.0	13.0	82.0	0.07	<3.0	0.44	<20
102	C1004	9°30'15"	56°35'02"	Yellowish brown granitic saprolite and reddish brown weathered granite (sandy)	21	<3.0	20	86	27.0	4.8	<1	<1	<50	<20	<3.0	<8.0	12.0	92.0	0.05	<3.0	0.44	<20
103	C1006	9°30'15"	56°35'02"	Greenish gray, ho-bi granite	17	<3.0	17	91	42.0	4.2	<1	<1	<50	<20	<3.0	10.0	16.0	81.0	0.09	<3.0	1.6	<20
104	C1008	9°30'15"	56°35'02"	Greenish gray, ho-bi granite and reddish brown weathered granite (sandy)	<5	<3.0	16	105	32.0	4.4	<1	<1	<50	<20	<3.0	8.8	13.0	87.0	0.07	<3.0	1	<20
105	C1010	9°30'15"	56°35'02"	Greenish gray, ho-bi granite with silicified vein along the sheared zone	8	<3.0	25	91	39.0	3.7	<1	<1	<50	<20	<3.0	8.1	13.0	71.0	0.07	<3.0	1.2	<20
106	C1012	9°30'15"	56°35'02"	Greenish gray, ho-bi granite	<5	<3.0	22	118	29.0	4.8	<1	<1	<50	<20	<3.0	8.8	14.0	92.0	0.08	<3.0	0.82	<20
107	C1014	9°30'15"	56°35'02"	Yellowish brown granitic saprolite and reddish brown weathered granite (sandy)	<5	<3.0	17	86	24.0	4.0	<1	<1	<50	<20	<3.0	<8.0	9.5	76.0	0.04	<3.0	0.31	<20
108	C1016	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	<5	<3.0	18	75	24.0	4.0	<1	<1	<50	<20	<3.0	<8.0	14.0	63.0	0.08	<3.0	0.44	<20
109	C1018	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	8	<3.0	14	70	21.0	2.4	<1	<1	<50	<20	<3.0	<8.0	9.1	37.0	0.04	<3.0	0.27	<20
110	C1020	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	5	<3.0	14	89	21.0	2.3	<1	<1	<50	<20	<3.0	<8.0	11.0	34.0	0.06	<3.0	0.21	<20
111	C1022	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	<5	<3.0	12	71	21.0	1.9	<1	<1	<50	<20	<3.0	<8.0	8.5	28.0	0.05	<3.0	0.18	<20
112	C1024	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	<5	<3.0	12	70	24.0	2.1	<1	<1	<50	<20	<3.0	<8.0	11.0	31.0	0.06	<3.0	0.18	<20
113	C1026	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	<5	<3.0	12	69	23.0	2.0	<1	<1	<50	<20	<3.0	<8.0	9.6	30.0	0.05	<3.0	0.17	<20
114	C1028	9°30'15"	56°35'02"	Yellowish brown granitic saprolite and sandy granule saprolite with quartz grains	<5	<3.0	13	75	26.0	3.3	<1	<1	<50	<20	<3.0	<8.0	10.0	59.0	0.05	<3.0	0.24	<20
115	C1030	9°30'15"	56°35'02"	Yellowish brown sandy granule saprolite with quartz grains	8	<3.0	16	83	28.0	3.9	<1	<1	<50	<20	<3.0	<8.0	11.0	72.0	0.06	<3.0	0.34	<20
116	C1032	9°30'15"	56°35'02"	Yellowish brown granitic saprolite and sandy granule saprolite with quartz grains	<5	<3.0	15	76	26.0	3.8	<1	<1	<50	<20	<3.0	<8.0	9.7	68.0	0.05	<3.0	0.31	<20
117	C1034	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	<5	<3.0	12	78	28.0	2.9	<1	<1	<50	<20	<3.0	<8.0	9.3	49.0	0.05	<3.0	0.26	<20
118	C1036	9°30'15"	56°35'02"	Yellowish brown granitic saprolite and reddish brown weathered granite (sandy)	12	<3.0	12	85	30.0	3.1	<1	<1	<50	<20	<3.0	<8.0	10.0	53.0	0.04	<3.0	0.25	<20
119	C1038	9°30'15"	56°35'02"	Greenish gray, ho-bi granite and reddish brown weathered granite (sandy)	<5	<3.0	16	81	36.0	3.4	<1	<1	<50	<20	<3.0	<8.0	15.0	59.0	0.08	<3.0	1	<20
120	C1040	9°30'15"	56°35'02"	Greenish gray, ho-bi granite and reddish brown weathered granite (sandy)	8	<3.0	16	79	40.0	3.7	<1	<1	<50	<20	<3.0	8.6	15.0	67.0	0.09	<3.0	1.3	<20
121	C1042	9°30'15"	56°35'02"	Greenish gray, ho-bi granite and reddish brown weathered granite (sandy)	<5	<3.0	18	112	21.0	4.5	<1	<1	<50	<20	<3.0	<8.0	13.0	88.0	0.06	<3.0	0.33	<20
122	C1044	9°30'15"	56°35'02"	Greenish gray, ho-bi granite and reddish brown weathered granite (sandy)	8	<3.0	19	120	28.0	5.2	<1	<1	<50	<20	<3.0	9.7	15.0	100.0	0.11	<3.0	0.63	<20
123	C1046	9°30'15"	56°35'02"	Reddish brown weathered granite (sandy)	<5	<3.0	17	107	44.0	4.4	<1	<1	<50	<20	<3.0	11.0	16.0	85.0	0.09	<3.0	1.9	<20
124	C1048	9°30'15"	56°35'02"	Greenish gray, ho-bi granite and reddish brown weathered granite (sandy)	8	<3.0	17	101	38.0	4.7	<1	<1	<50	<20	<3.0	9.4	12.0	92.0	0.07	<3.0	0.76	<20
125	C1050	9°30'15"	56°35'02"	Greenish gray, ho-bi granite	21	<3.0	19	99	33.0	5.2	<1	<1	<50	<20	<3.0	8.3	15.0	103.0	0.07	<3.0	0.79	<20

List of Ore Assay results in the survey area

Ser. No.	Sample No.	Coordination		Description	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Fe (%)	As (ppm)	Sb (ppm)	Hg (ppm)	Bi (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)	V (ppm)	Mn (ppm)	Mo (ppm)	K (%)	W (ppm)
		S	W																			
126	C1052	9°30'15"	56°35'02"	Greenish gray, ho-bi granite and reddish brown weathered granite (sandy)	8	< 3.0	22	101	46.0	4.5	< 1	< 1	< 50	< 20	< 3.0	11.0	19.0	84.0	0.11	< 3.0	1.7	< 20
127	C1054	9°30'15"	56°35'02"	Greenish gray, ho-bi granite and reddish brown weathered granite (sandy)	8	< 3.0	17	106	35.0	4.6	< 1	< 1	< 50	< 20	< 3.0	9.6	13.0	89.0	0.07	< 3.0	1.2	< 20
128	C1056	9°30'15"	56°35'02"	Greenish gray, ho-bi granite and reddish brown weathered granite (sandy)	37	< 3.0	18	101	27.0	5.1	< 1	< 1	< 50	< 20	< 3.0	8.1	15.0	94.0	0.08	< 3.0	0.46	< 20
129	C1058	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	207	< 3.0	17	108	39.0	4.4	< 1	< 1	< 50	< 20	< 3.0	< 8.0	8.5	85.0	0.05	< 3.0	0.92	< 20
130	C1060	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	< 5	< 3.0	17	111	39.0	4.7	< 1	< 1	< 50	< 20	< 3.0	9.6	16.0	90.0	0.05	< 3.0	0.44	< 20
131	C1062	9°30'15"	56°35'02"	Yellowish brown granitic saprolite and sandy granule saprolite with quartz grains	8	< 3.0	17	112	42.0	4.6	< 1	< 1	< 50	< 20	< 3.0	9.9	15.0	91.0	0.06	< 3.0	1.1	< 20
132	C1064	9°30'15"	56°35'02"	Yellowish brown granitic saprolite and sandy granule saprolite with quartz grains	10	< 3.0	20	94	42.0	4.7	< 1	< 1	< 50	< 20	< 3.0	9.4	17.0	88.0	0.08	< 3.0	0.84	< 20
133	C1066	9°30'15"	56°35'02"	Greenish gray, ho-bi granite, reddish brown weathered granite (sandy) and greenish gray ho-bi-granite	21	< 3.0	19	114	45.0	5.1	< 1	< 1	< 50	< 20	< 3.0	12.0	21.0	91.0	0.11	< 3.0	1.4	< 20
134	C1068	9°30'15"	56°35'02"	Yellowish brown granitic saprolite and sandy granule saprolite with quartz grains	25	< 3.0	25	120	36.0	5.0	< 1	< 1	< 50	< 20	< 3.0	10.0	15.0	95.0	0.12	< 3.0	0.88	< 20
135	C1070	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	148	< 3.0	41	95	33.0	4.9	< 1	< 1	< 50	< 20	< 3.0	< 8.0	13.0	91.0	0.07	< 3.0	0.77	< 20
136	C1072	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	124	< 3.0	32	91	27.0	4.6	< 1	< 1	< 50	< 20	< 3.0	< 8.0	9.1	86.0	0.05	< 3.0	0.75	< 20
137	C1074	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	54	< 3.0	29	86	27.0	4.7	< 1	< 1	< 50	< 20	< 3.0	8.6	16.0	86.0	0.08	< 3.0	0.53	< 20
138	C1076	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	37	< 3.0	26	87	25.0	4.6	< 1	< 1	< 50	< 20	< 3.0	8.2	13.0	84.0	0.06	< 3.0	0.59	< 20
139	C1078	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	33	< 3.0	27	87	25.0	4.4	< 1	< 1	< 50	< 20	< 3.0	< 8.0	ppm	85.0	0.05	< 3.0	0.69	< 20
140	C1080	9°30'15"	56°35'02"	Yellowish brown granitic saprolite with sheared zone (W: 3 to 5 cm)	42	< 3.0	30	105	33.0	4.4	< 1	< 1	< 50	< 20	< 3.0	8.2	9.9	89.0	0.08	< 3.0	1	< 20
141	C1082	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	41	< 3.0	33	84	24.0	4.4	< 1	< 1	< 50	< 20	< 3.0	< 8.0	12.0	76.0	0.07	< 3.0	0.63	< 20
142	C1084	9°30'15"	56°35'02"	Greenish gray, ho-bi granite and reddish brown weathered granite (sandy)	46	< 3.0	40	102	25.0	4.6	< 1	< 1	< 50	< 20	< 3.0	< 8.0	13.0	87.0	0.05	< 3.0	0.58	< 20
143	C1086	9°30'15"	56°35'02"	Greenish gray, ho-bi granite and reddish brown weathered granite (sandy)	25	< 3.0	28	117	33.0	4.7	< 1	< 1	< 50	< 20	< 3.0	9.6	11.0	92.0	0.06	< 3.0	1.2	< 20
144	C1088	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	25	< 3.0	26	90	29.0	4.2	< 1	< 1	< 50	< 20	< 3.0	< 8.0	13.0	76.0	0.06	< 3.0	0.4	< 20
145	C1090	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	29	< 3.0	15	84	23.0	2.4	< 1	< 1	< 50	< 20	< 3.0	< 8.0	14.0	38.0	0.05	< 3.0	0.24	< 20
146	C1092	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	< 5	< 3.0	14	79	20.0	2.3	< 1	< 1	< 50	< 20	< 3.0	< 8.0	13.0	35.0	0.05	< 3.0	0.22	< 20
147	C1094	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	21	< 3.0	15	83	22.0	2.6	< 1	< 1	< 50	< 20	< 3.0	< 8.0	10.0	43.0	0.04	< 3.0	0.26	< 20
148	C1096	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	< 5	< 3.0	16	88	23.0	3.6	< 1	< 1	< 50	< 20	< 3.0	< 8.0	9.0	62.0	0.04	< 3.0	0.37	< 20
149	C1098	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	8	< 3.0	17	84	25.0	4.1	< 1	< 1	< 50	< 20	< 3.0	< 8.0	8.8	75.0	0.05	< 3.0	0.85	< 20
150	C1100	9°30'15"	56°35'02"	Yellowish brown granitic saprolite	< 5	< 3.0	14	80	23.0	3.7	< 1	< 1	< 50	< 20	< 3.0	< 8.0	9.8	65.0	0.05	< 3.0	0.3	< 20

List of Ore Assay results in the survey area

Ser. No.	Sample No.	Coordination		Description	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Fe (%)	As (ppm)	Sb (ppm)	Hg (ppm)	Bi (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)	V (ppm)	Mn (ppm)	Mo (ppm)	K (%)	W (ppm)
		S	W																			
151	C2002	9°30'51"	56°34'09"	Yellowish brown granitic saprolite and reddish brown weathered granite (sandy)	< 5	< 3.0	50	96	26.0	4.3	< 1	< 1	< 50	< 20	< 3.0	9.1	9.5	90.0	0.06	< 3.0	0.59	< 20
152	C2004	9°30'51"	56°34'09"	Greenish gray, ho-bi granite and reddish brown weathered granite (sandy)	< 5	< 3.0	43	112	29.0	5.2	< 1	< 1	< 50	< 20	< 3.0	12.0	22.0	111.0	0.06	< 3.0	0.57	< 20
153	C2006	9°30'51"	56°34'09"	Yellowish brown granitic saprolite and reddish brown weathered granite (sandy)	< 5	< 3.0	37	93	31.0	3.6	< 1	< 1	< 50	< 20	< 3.0	11.0	21.0	74.0	0.04	< 3.0	0.48	< 20
154	C2008	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	< 5	< 3.0	19	77	22.0	2.0	< 1	< 1	< 50	< 20	< 3.0	< 8.0	19.0	34.0	0.04	< 3.0	0.35	< 20
155	C2010	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	120	< 3.0	22	85	25.0	2.1	< 1	< 1	< 50	< 20	< 3.0	< 8.0	15.0	34.0	0.04	< 3.0	0.3	< 20
156	C2012	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	< 5	< 3.0	20	93	28.0	3.0	< 1	< 1	< 50	< 20	< 3.0	< 8.0	15.0	53.0	0.04	< 3.0	0.41	< 20
157	C2014	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	< 5	< 3.0	21	96	30.0	4.5	< 1	< 1	< 50	< 20	< 3.0	9.0	13.0	87.0	0.05	< 3.0	0.51	< 20
158	C2016	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	< 5	< 3.0	20	96	29.0	4.2	< 1	< 1	< 50	< 20	< 3.0	8.6	14.0	82.0	0.06	< 3.0	0.55	< 20
159	C2018	9°30'51"	56°34'09"	Yellowish brown granitic saprolite and reddish brown weathered granite (sandy)	< 5	< 3.0	20	107	34.0	4.8	< 1	< 1	< 50	< 20	< 3.0	9.5	15.0	95.0	0.07	< 3.0	0.69	< 20
160	C2020	9°30'51"	56°34'09"	Yellowish brown granitic saprolite and reddish brown weathered granite (sandy)	< 5	< 3.0	20	127	53.0	4.6	< 1	< 1	< 50	< 20	< 3.0	14.0	17.0	91.0	0.1	< 3.0	1.9	< 20
161	C2022	9°30'51"	56°34'09"	Greenish gray, ho-bi granite and reddish brown weathered granite (sandy)	25	< 3.0	20	133	58.0	4.5	< 1	< 1	< 50	< 20	< 3.0	14.0	19.0	90.0	0.09	< 3.0	2.3	< 20
162	C2024	9°30'51"	56°34'09"	Greenish gray, ho-bi granite and reddish brown weathered granite (sandy)	33	< 3.0	22	158	41.0	4.8	< 1	< 1	< 50	< 20	< 3.0	10.0	17.0	97.0	0.07	< 3.0	1.3	< 20
163	C2026	9°30'51"	56°34'09"	Yellowish brown granitic saprolite with quartz vein in sheared zone.	3110	< 3.0	76	493	89.0	5.1	< 1	< 1	< 50	< 20	< 3.0	8.5	14.0	109.0	0.07	< 3.0	1.3	< 20
164	C2028	9°30'51"	56°34'09"	Yellowish brown granitic saprolite and sheared zone with quartz vein.	871	< 3.0	46	243	87.0	4.8	< 1	< 1	< 50	< 20	< 3.0	8.1	15.0	97.0	0.08	< 3.0	1	< 20
165	C2030	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	29	< 3.0	28	115	77.0	4.7	< 1	< 1	< 50	< 20	< 3.0	8.3	16.0	90.0	0.06	< 3.0	0.9	< 20
166	C2032	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	29	< 3.0	22	104	51.0	5.0	< 1	< 1	< 50	< 20	< 3.0	< 8.0	17.0	98.0	0.05	< 3.0	0.75	< 20
167	C2034	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	8	< 3.0	22	99	43.0	4.7	< 1	< 1	< 50	< 20	< 3.0	8.3	11.0	95.0	0.08	< 3.0	0.63	< 20
168	C2036	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	< 5	< 3.0	20	93	35.0	4.1	< 1	< 1	< 50	< 20	< 3.0	< 8.0	16.0	84.0	0.05	< 3.0	0.57	< 20
169	C2038	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	8	< 3.0	21	91	33.0	4.4	< 1	< 1	< 50	< 20	< 3.0	< 8.0	12.0	89.0	0.05	< 3.0	0.47	< 20
170	C2040	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	8	< 3.0	24	96	34.0	5.3	< 1	< 1	< 50	< 20	< 3.0	8.9	12.0	105.0	0.07	< 3.0	0.45	< 20
171	C2042	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	12	< 3.0	20	94	27.0	4.7	< 1	< 1	< 50	< 20	< 3.0	8.2	16.0	96.0	0.04	< 3.0	0.47	< 20
172	C2044	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	8	< 3.0	22	83	23.0	4.3	< 1	< 1	< 50	< 20	< 3.0	< 8.0	13.0	88.0	0.04	< 3.0	0.52	< 20
173	C2046	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	41	< 3.0	24	94	28.0	4.7	< 1	< 1	< 50	< 20	< 3.0	9.3	13.0	95.0	0.06	< 3.0	0.49	< 20
174	C2048	9°30'51"	56°34'09"	Yellowish brown granitic saprolite	17	< 3.0	26	97	28.0	4.7	< 1	< 1	< 50	< 20	< 3.0	9.4	19.0	93.0	0.05	< 3.0	0.5	< 20
175	C2050	9°30'51"	56°34'09"	Yellowish brown granitic saprolite with quartz vein	< 5	< 3.0	20	97	22.0	3.5	< 1	< 1	< 50	< 20	< 3.0	< 8.0	19.0	67.0	0.04	< 3.0	0.38	< 20

**Appendix 7 Ore assay for geological and geochemical survey
in the project area**

Ser. No.	Sample No.	District	Coordination		Description	Assay Results																	
			S	W		Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Fe (%)	As (ppm)	Sb (ppm)	Hg (ppm)	Bi (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)	V (ppm)	Mn (%)	Mo (ppm)	K (%)	W (ppm)
1	A3101	Block C Trench C1	9°30'51"	56°34'09"	Quartz vein in saprolite (w: 1 to 2 cm).	0.01	<3.0	8.3	68	40	2.7	1	<1	<50	<20	<3.0	<8.0	7	46	0.04	<3.0	0.28	<20
2	A3102	Block C Trench C1	9°30'51"	56°34'09"	Sheared zone (W:5 cm)	0.07	<3.0	22	102	40	4.3	3	<1	<50	<20	<3.0	9.5	8.1	98	0.08	<3.0	2.9	<20
3	A3108	Block C Trench C2	9°30'15"	56°34'02"	Quartz vein (W: 5 cm) in yellow saprolite.	0.02	<3.0	23	32	10	1.6	1	<1	<50	<20	<3.0	<8.0	18	16	0.09	5.7	0.12	<20
4	A3111	Block C Trench C2	9°30'15"	56°34'02"	Sheared zone (W: 10cm) in saprolite with pyrite dissemination.	4.37	<3.0	135	1370	161	5.1	1	<1	<50	<20	<3.0	12	7.3	127	0.15	<3.0	3.1	<20
5	A3113	Block C Trench C2	9°30'15"	56°34'02"	Quartz vein (W:5cm) in sheared zone.	13.12	<3.0	84	960	144	4.7	1	<1	<50	<20	<3.0	15	5.6	119	0.11	<3.0	2.9	<20
6	A3115	Block C Trench C2	9°30'15"	56°34'02"	Quartz vein lens (15cm x 90cm) in sheared zone.	0.99	<3.0	30	497	98	3.1	1	<1	<50	<20	<3.0	12	11	83	0.11	<3.0	2.6	<20
7	A3120	Block C Trench C2	9°30'15"	56°34'02"	Quartz vein (50cm x 2cm) in sheared zone.	<0.01	<3.0	21	91	29	2.9	1	<1	<50	<20	<3.0	8.2	14	54	0.03	<3.0	0.3	<20
8	A3124	Block C Trench C2	9°30'15"	56°34'02"	Sheared zone (W: 25cm) in saprolite with pyrite dissemination.	5.76	<3.0	76	791	147	4.5	1	<1	<50	<20	<3.0	9.3	8.6	117	0.11	<3.0	3.7	<20
9	A3125	Block C Trench C2	9°30'15"	56°34'02"	Sheared zone (W: 25cm) in saprolite with pyrite dissemination.	51.70	7.8	95	543	119	4	1	<1	<50	<20	<3.0	<8.0	6.8	92	0.05	<3.0	1.2	<20
10	A3001	Block G	9°52'34"	55°21'10"	Pail of quartz vein with hematite (pyrite holes) in gairimpo.	0.05	<3.0	16	<8.0	13	1.6	1	<1	<50	<20	<3.0	<8.0	26	<8.0	0.15	5.8	0.04	<20
11	A3005	Block G	9°57'51"	55°21'22"	Greenish gray, sheared green schist (1m).	0.10	<3.0	811	26	293	6.3	2	<1	<50	<20	3.3	39	267	190	0.18	<3.0	0.03	<20
12	A3006	Block G	9°57'51"	55°21'22"	White argillized clay with quartz vein (W:30cm) fragments with kaolinite and sericite.	<0.01	<3.0	42	20	7.1	0.9	2	<1	<50	<20	<3.0	<8.0	16	<8.0	0.09	3.1	1.1	<20
13	A3007	Block G	9°57'51"	55°21'22"	Contact with sheared zone (w: 20-30cm) of granite and green schist with hematite + tm along the fracture.	1.64	<3.0	969	32	264	4.2	1	<1	<50	<20	<3.0	18	203	86	0.15	5.8	0.05	<20
14	E3001	Block G	9°54'03"	55°21'24"	Quartz vein (W:30cm) with hematite and limonite films.	0.01	<3.0	25	9.3	7.7	1.1	3	<1	<50	<20	<3.0	<8.0	14	<8.0	0.08	57	0.02	<20
15	E3002	Block G	9°53'40"	55°21'10"	Quartz vein (W:20cm) with hematite and limonite films.	0.40	<3.0	12	16	19	2.4	1	<1	<50	<20	<3.0	<8.0	9.1	28	0.05	<3.0	0.74	<20
16	E3003	Block G	9°53'43"	55°21'10"	Quartz vein (W:30cm) with hematite and limonite films.	<0.01	<3.0	101	19	60	6	1	<1	<50	<20	<3.0	24	11	27	0.06	39	0.15	<20
17	E3005	Block G	9°55'26"	55°21'17"	Sheared quartz (W:50cm) vein with hematite and limonite films.	<0.01	<3.0	5.1	<8.0	3.5	0.98	2	<1	<50	<20	<3.0	<8.0	16	<8.0	0.1	4.9	0.03	<20
18	J3001	Block G	9°53'35"	55°21'04"	Quartz vein with hematite and limonite (pyrite holes) W: 15cm.	1.44	<3.0	48	13	29	2.7	6	<1	<50	<20	<3.0	<8.0	10	8.1	0.05	<3.0	0.44	<20
19	J3002	Block G	9°53'37"	55°21'04"	Quartz vein with hematite and limonite (pyrite holes) W: 15cm.	4.84	<3.0	42	20	23	2.5	4	<1	<50	<20	<3.0	<8.0	11	14	0.06	<3.0	1.3	<20
20	J3003	Block G	9°53'40"	55°21'04"	White to light brown, silicified and altered granite. 10cm x 30cm	0.01	<3.0	6.1	46	30	2.1	1	<1	<50	<20	<3.0	<8.0	6.9	23	0.04	<3.0	2.9	<20

Ser. No.	Sample No.	District	Coordination		Description	Assay Results																
			S	W		Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Fe (%)	As (ppm)	Sb (ppm)	Hg (ppm)	Bi (ppm)	Cd (ppm)	Co (ppm)	Ni (ppm)	V (ppm)	Mn (%)	Mo (ppm)	K (%)
21	J3004	Block G	9° 53' 49"	55° 21' 04"	silicified and altered mica granite. 20cmx20cm	<0.01	<3.0	<3.0	58	23	1.5	1	<1	<50	<20	<3.0	<8.0	3.5	15	0.02	<3.0	<20
22	J3006	Block G	9° 53' 03"	55° 20' 44"	Floata of quartz vein with hematite and limonite. 20cmx30cm	0.02	<3.0	20	88	55	5.1	3	<1	<50	<20	3.1	8.6	13	129	0.02	6.1	0.29
23	J3007	Block G	9° 53' 03"	55° 20' 44"	Floata of quartz vein with hematite and limonite. 10cmx20cm	1.96	<3.0	11	54	18	2.8	1	<1	<50	<20	<3.0	<8.0	8.3	83	0.02	<3.0	<20
24	J3008	Block G	9° 52' 55"	55° 20' 44"	Sheared quartz vein with hematite and limonite (pyrite holes. W: 20 cm)	0.03	<3.0	5.4	9.3	4.2	1.1	1	<1	<50	<20	<3.0	<8.0	19	<8.0	0.11	5.2	0.02
25	K3001	Block G	9° 57' 08"	55° 19' 24"	Quartz vein with hematite and limonite (W: 15cm).	0.42	<3.0	35	58	27	2.1	3	<1	<50	<20	<3.0	<8.0	18	14	0.11	14	0.23
26	M3001	Block G	9° 55' 27"	55° 21' 24"	White to light brown, altered granite with hematite and limonite (pyrite dissemination). 20cmx30cm	0.14	<3.0	804	93	65	3.1	2	<1	<50	<20	<3.0	11	5.4	41	0.2	<3.0	4.1

Appendix 8 Drilling equipments and consumed materials

Drilling Equipment

RC Drilling

Article	Model	Specification	Quantity
Drilling Machine	Schramm	Multi-purpose air-rotary drill.	1set
	Acker-Coremax	Multi-purpose air-rotary drill.	1set
Hammer	LRC 44	Maker: Halco	1set
	RC 43, SD 4	Maker: Digger	1set
Air-compressor	450W	Maker: Detroit	1set
	350psi x 900-CFM	Maker: Detroit	1set
Water Pump	M.790	Maker: Agrale	2set

DD Drilling

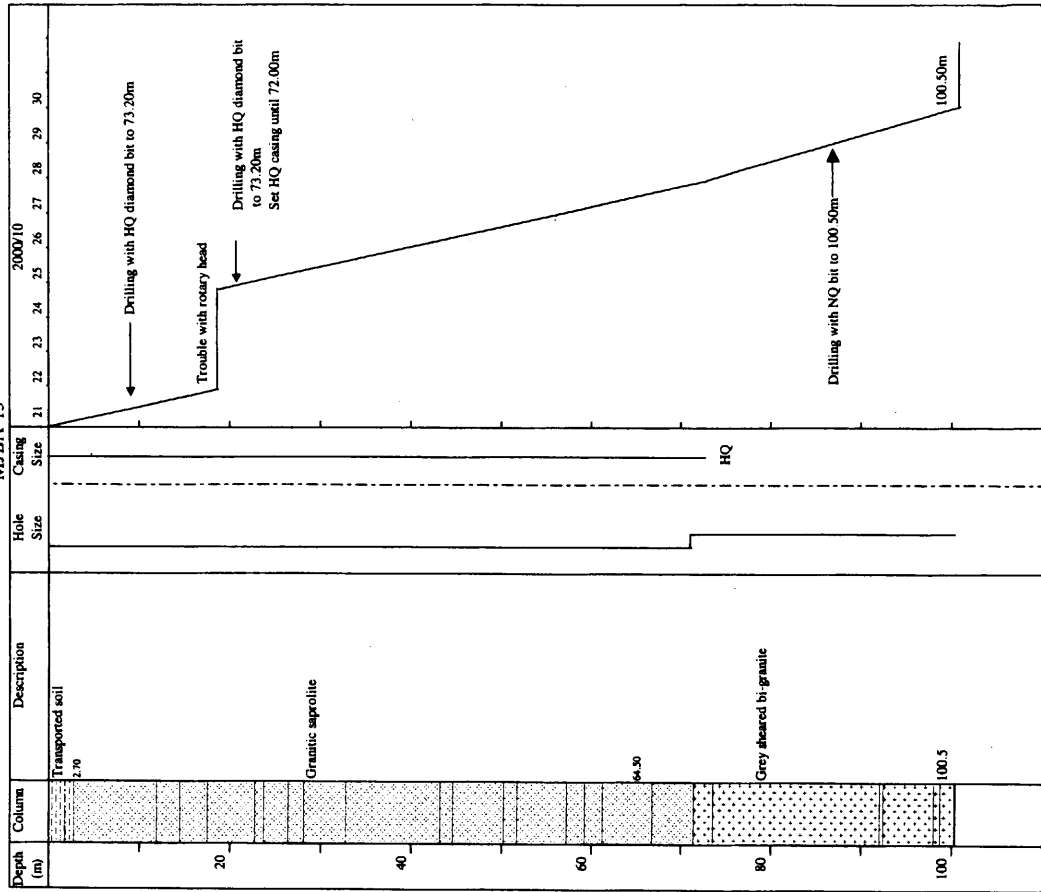
Article	Model	Specification	Quantity
Drilling Machine	DK 10	Maker: Diakore. Capacity: BQWL 580m	1set
	Acker-Coremax	Maker: Acker. Capacity: BQWL 800m	1set
Diesel Engine	RQ 535	Maker: Detroit	1set
	2213 Mercedes	Maker: Mercedes	1set
Drilling Pump	FMC	Maker: SONDEQ	2sets
Water Pump	M.790	Maker: Agrale	1set
	MT-200	Maker: Maksonda	1set
Generator	Agrale M-90	Maker: BAMBOZZI	1set
	Bosch	Maker: Bosch	1set
Drill Rod		Maker: LONGYEAR NQ(3m/joint) Maker: LONGYEAR BW(3m/joint) Maker: LONGYEAR HQ(3m/joint)	114joints 150joints 40joints
Casing Pipe		Maker: LONGYEAR HW(3m/joint)	56joints
		Maker: LONGYEAR NW(3m/joint)	22joints

Consumed Materials

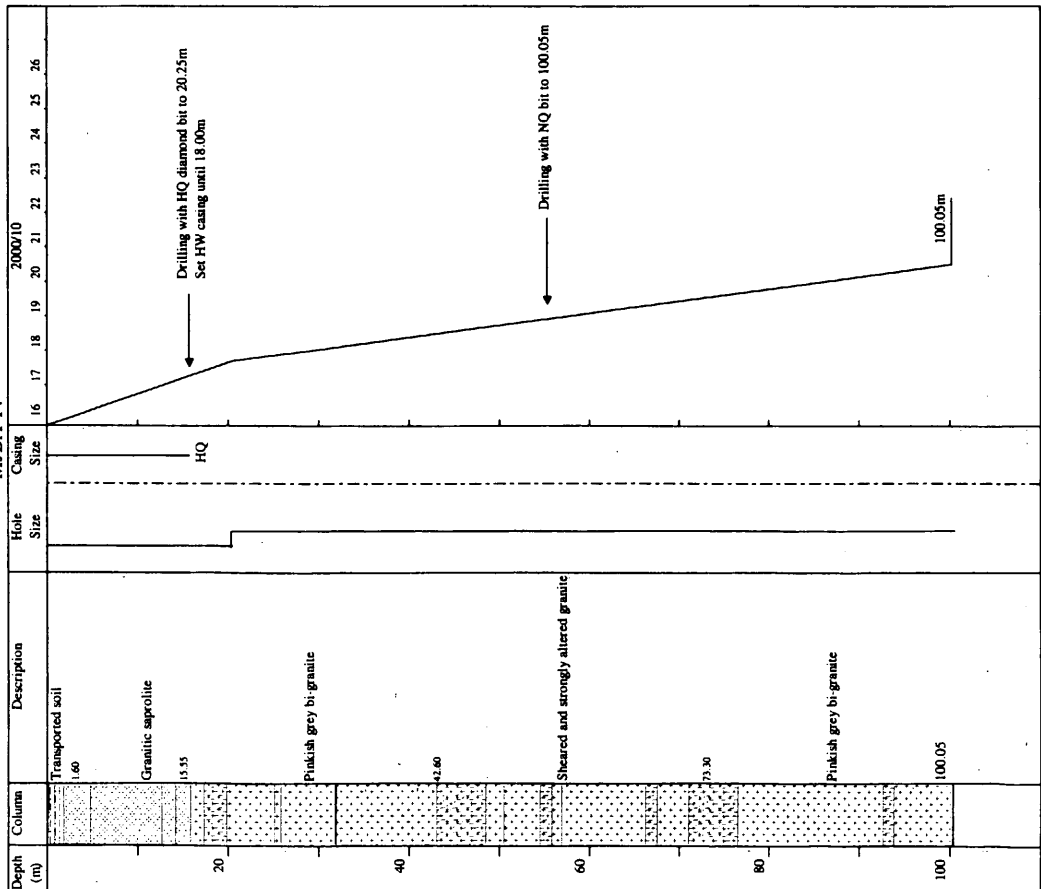
Hole No.	MJBA-14	MJBA-15	MJBA-16	MJBA-17	MJBA-18	MJBA-19	MJBA-20
Bit: HQ	-	-	1	-	1	-	1
Bit: NQ	-	1	-	1	-	1	1
Hidro Oil (L)	-	-	20	-	-	-	-
Light Oil (L)	-	-	-	-	-	-	-
Poliplus (L)	10	12	10	11	8	9	10
Grease (Kg)	2	3	2	2	1	1	2
Rod grease (Kg)	20	15	15	25	30	32	10
Bentonite (Kg)	-	-	-	-	-	-	-
Diesel (L)	350	355	350	350	350	390	350

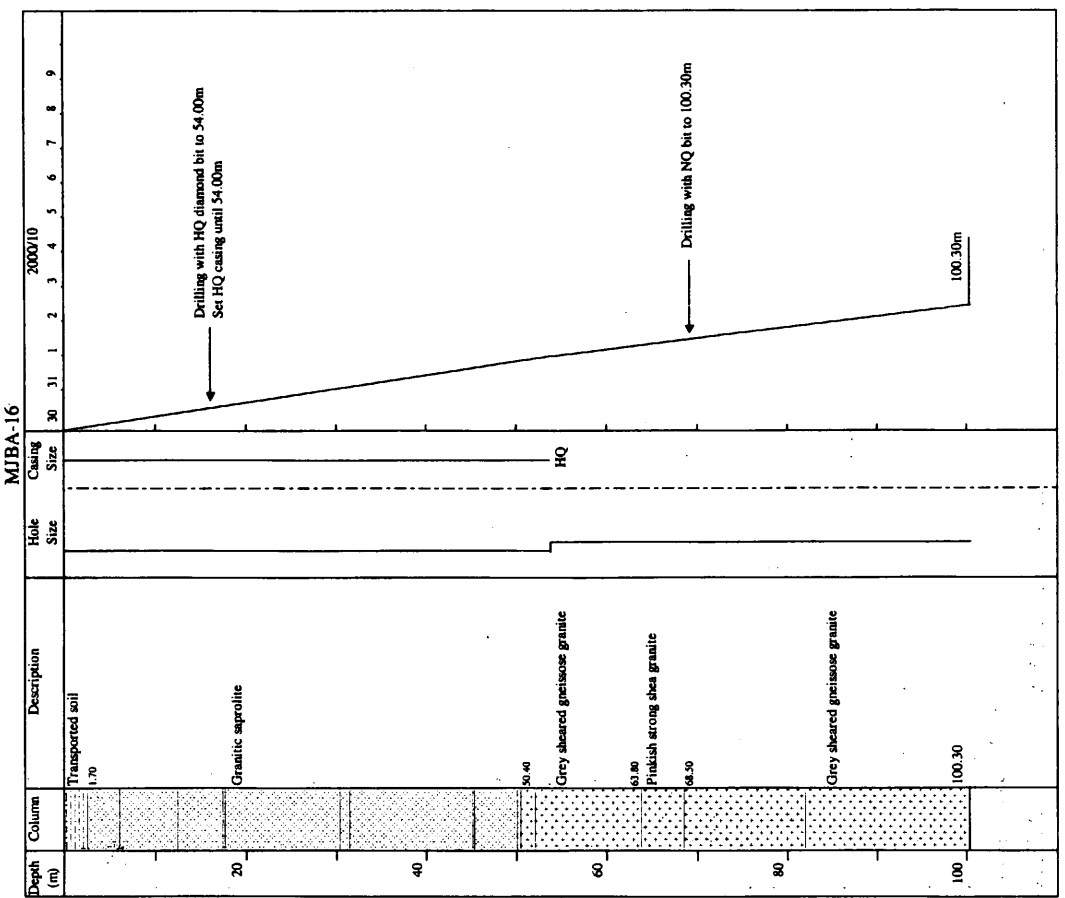
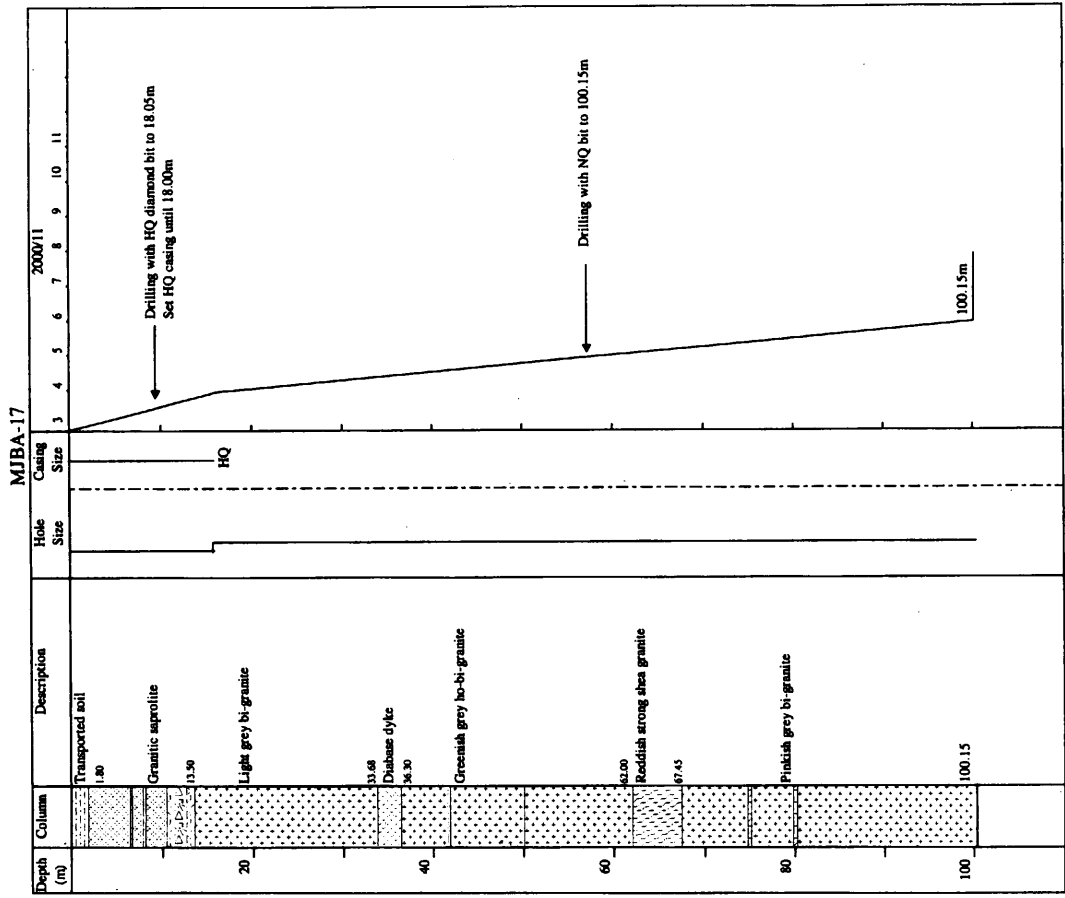
Hole No.	MJBA-21	MJBA-22	MJBA-23	MJBA-24	MJBA-25	MJBA-26
Bit: HQ	-	-	1	1	-	1
Bit: NQ	1	-	1	1	-	1
Hidro Oil (L)	20	-	-	-	-	-
Light Oil (L)	-	-	-	114	35	54
Polyplus (L)	12	9	10	16.5	3	14
Grease (Kg)	2	2	4	47	18	72
Rod grease (Kg)	20	20	17	155	70	180
Bentonite (Kg)	-	-	-	-	-	-
Diesel (L)	430	490	350	720	520	800

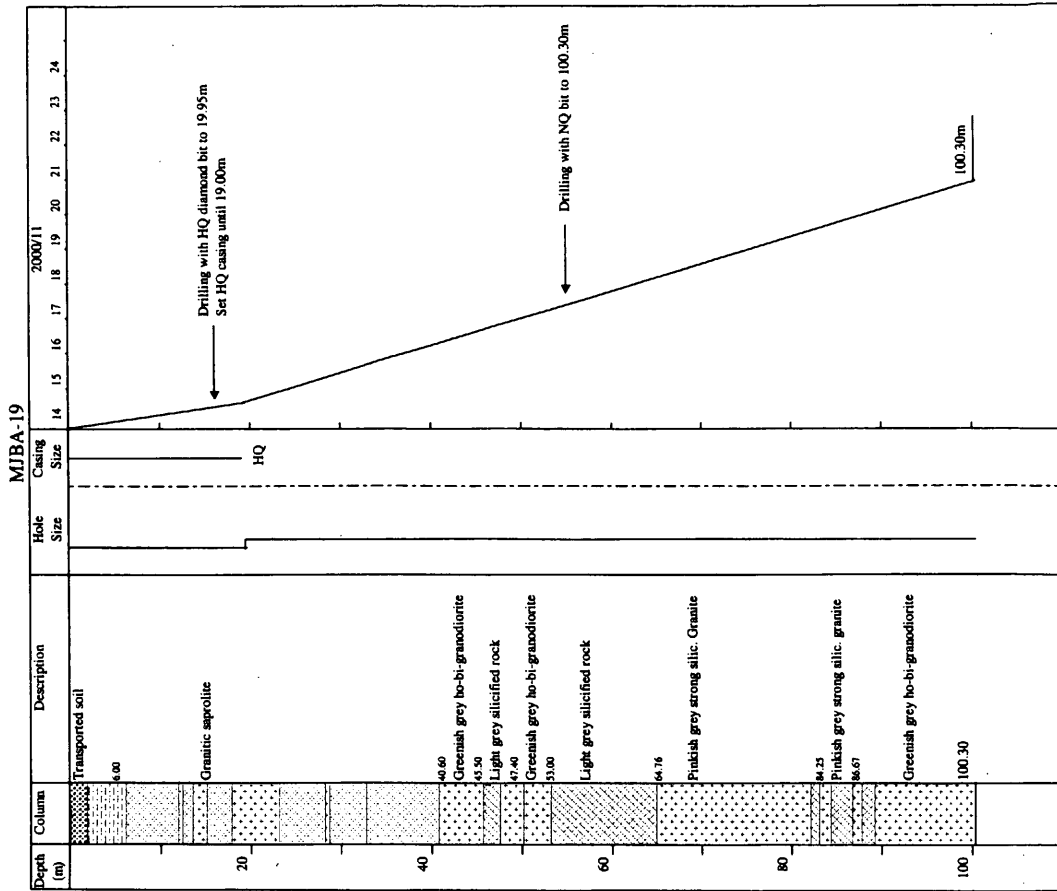
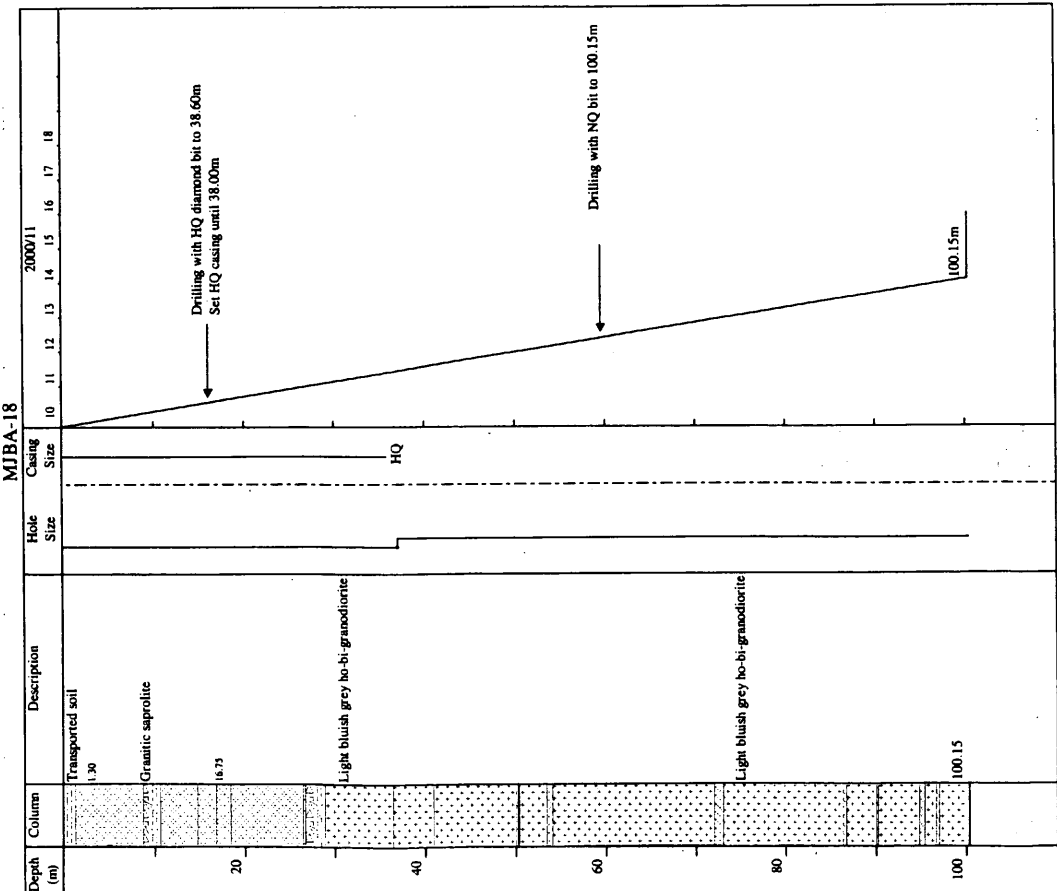
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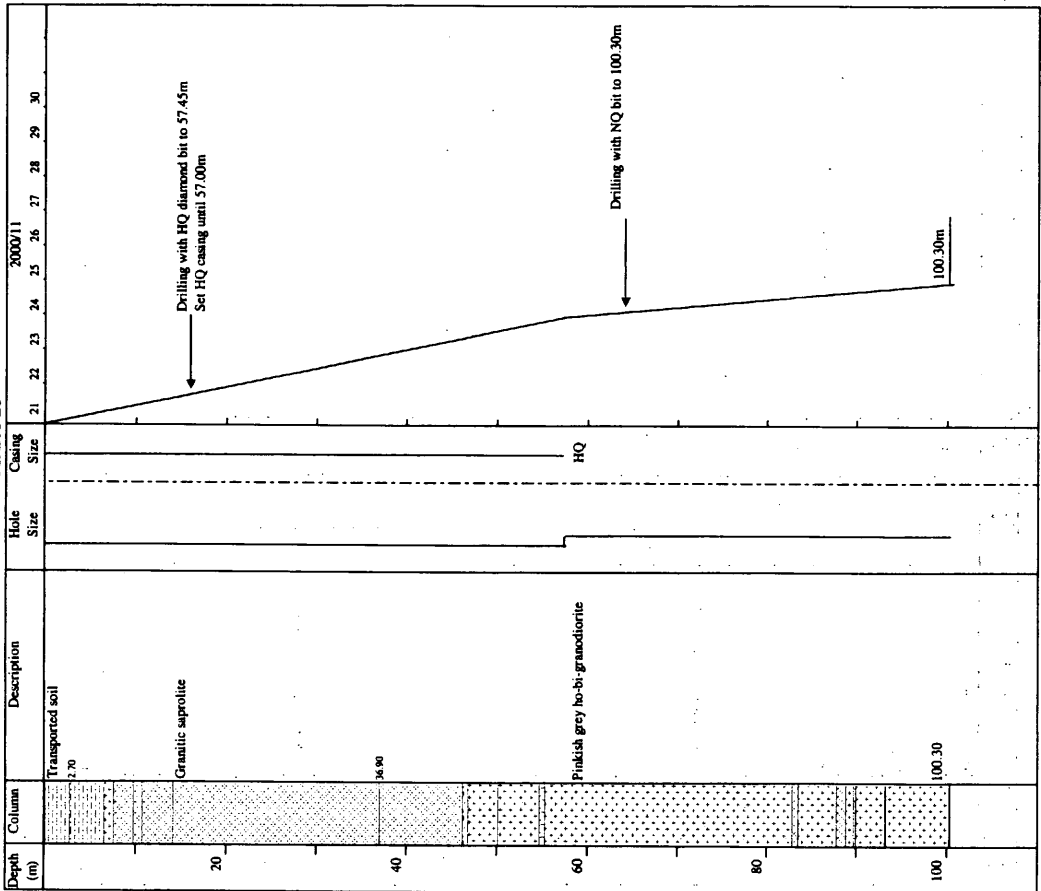
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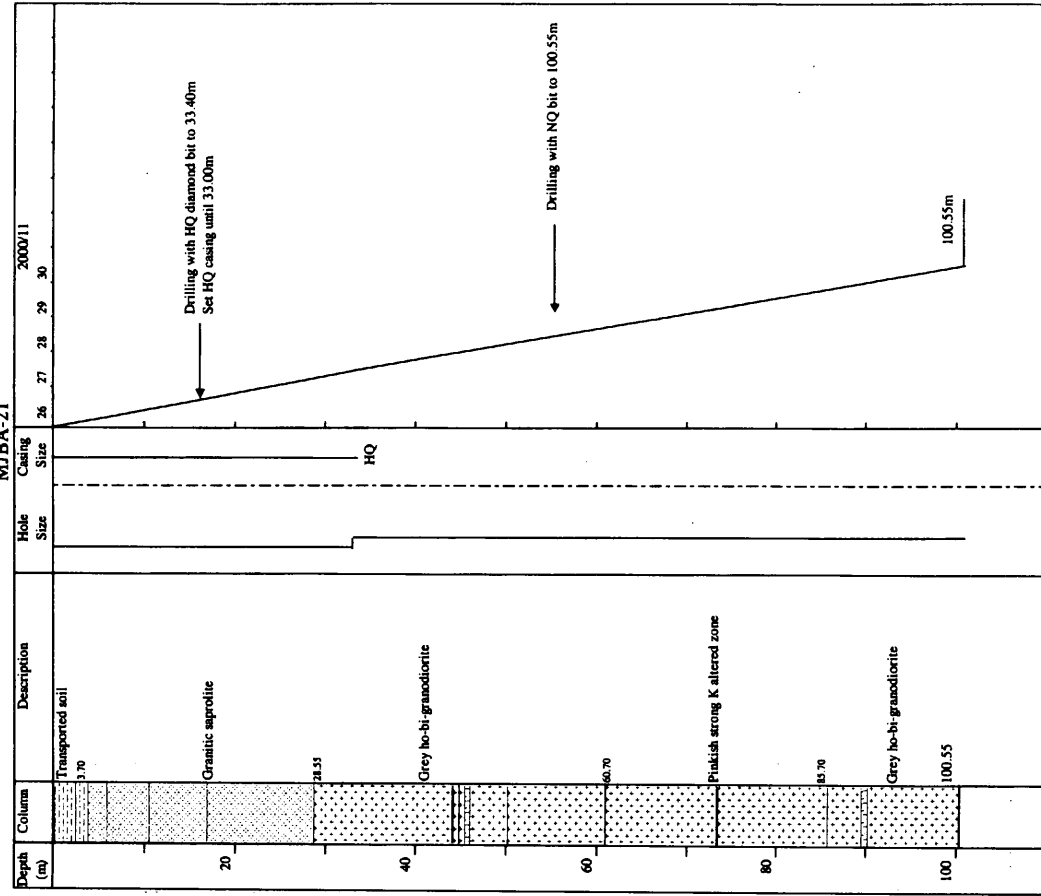




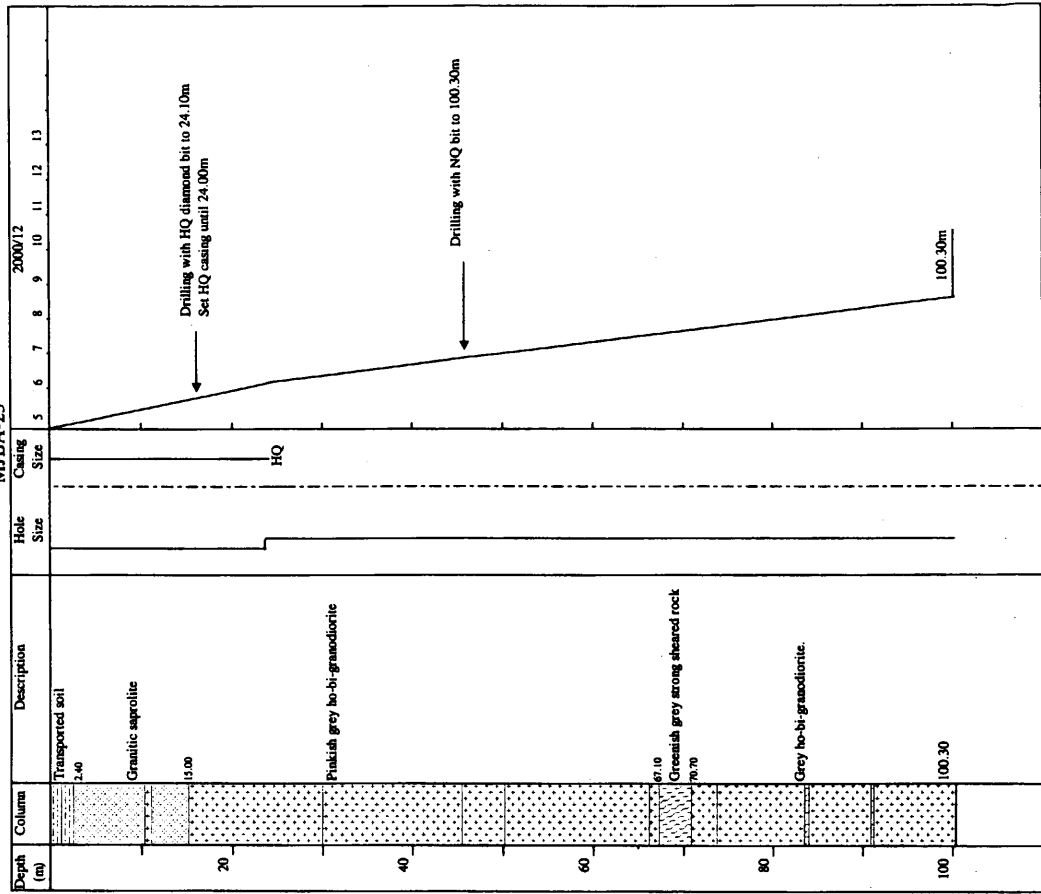
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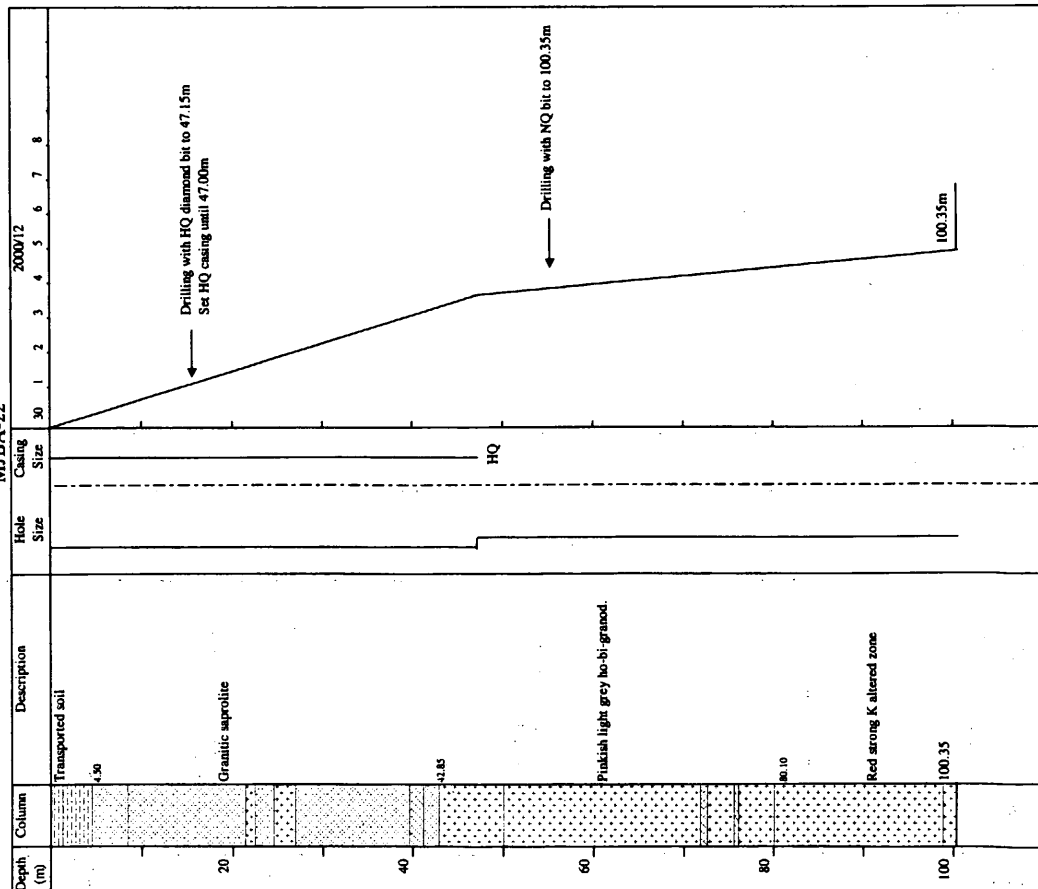
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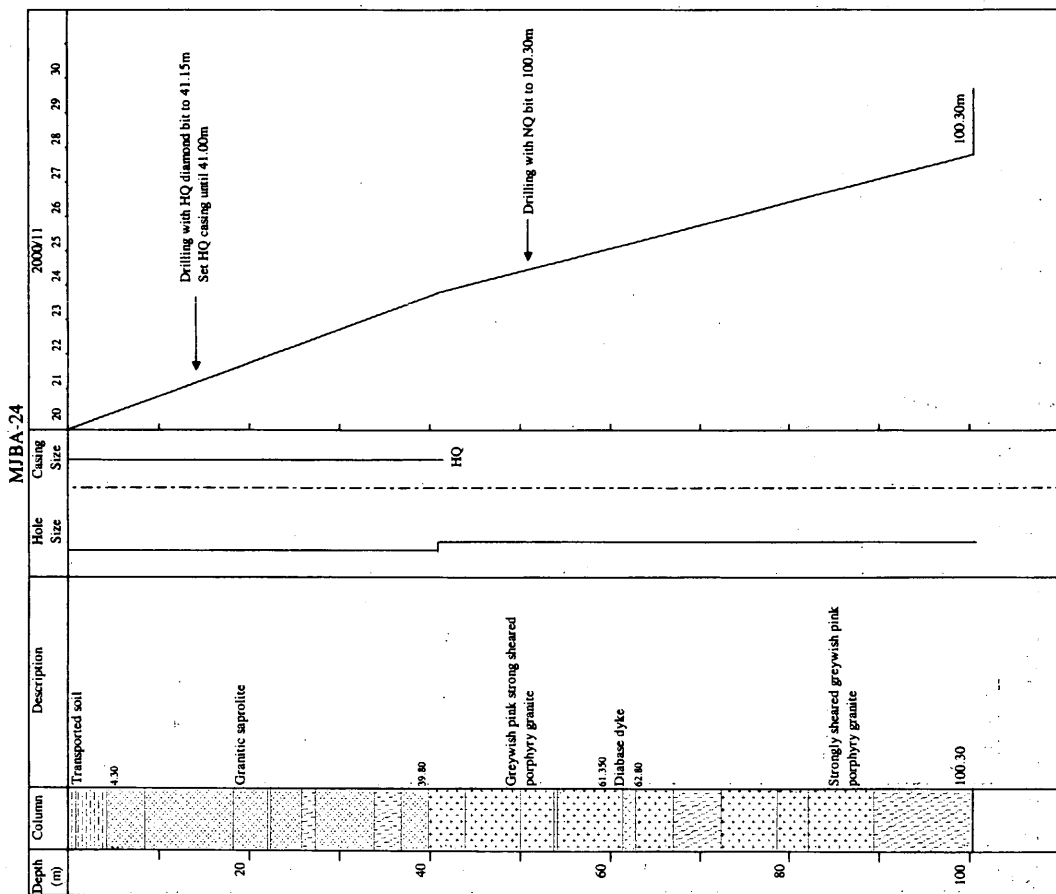
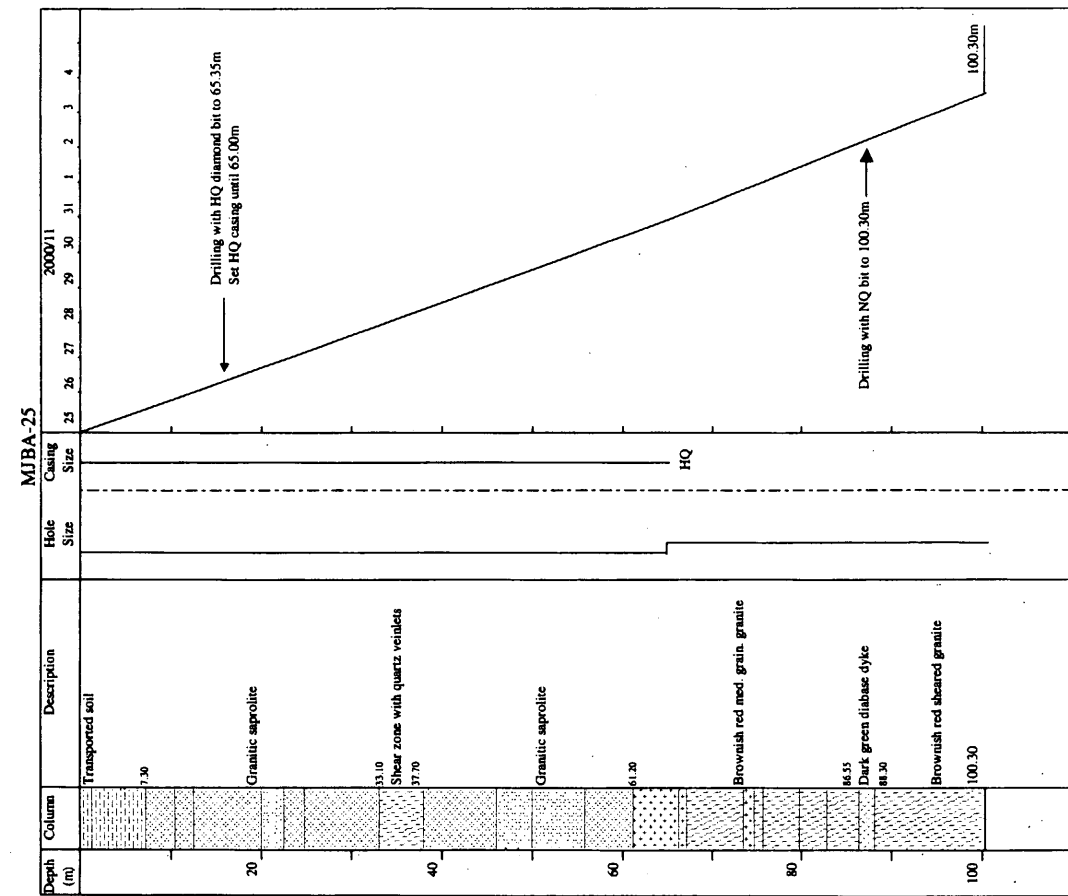


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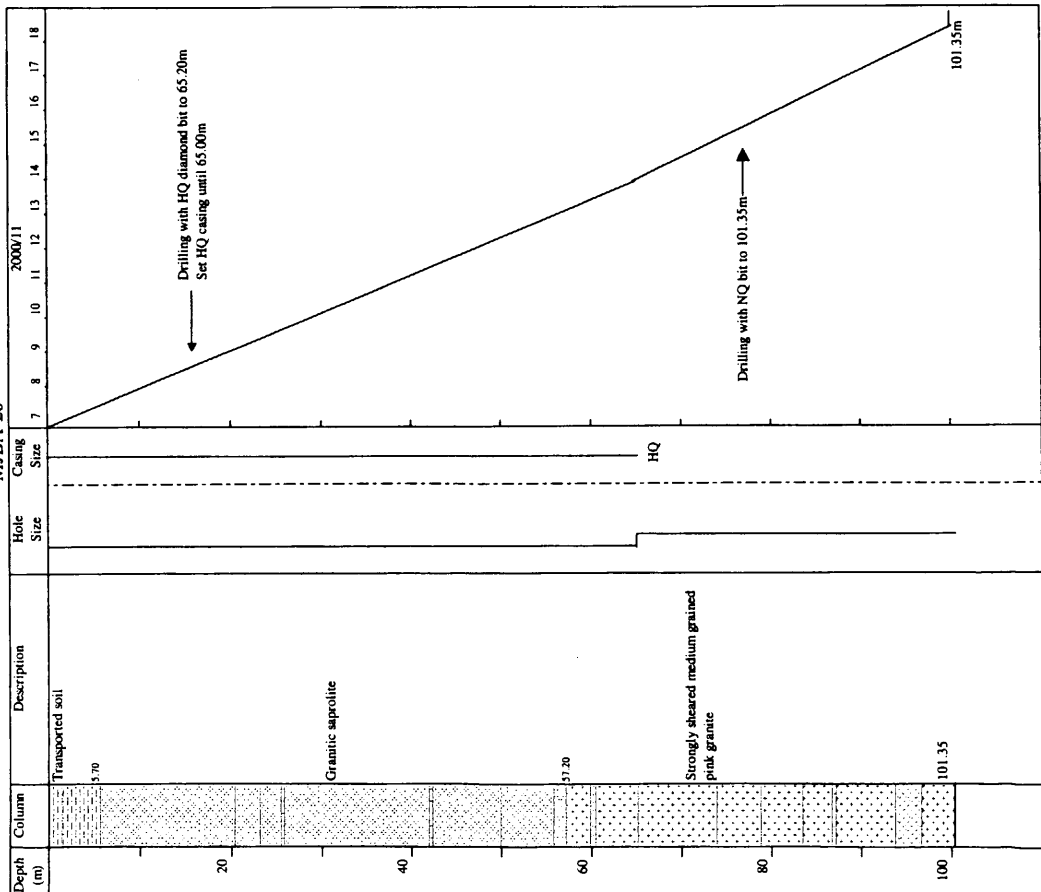


MJBA-22





MJBA-26



Appendix 9 Generalized drilling results and progress records of drilling

Progress record of drilling

	Hole No.	MJBA-14	MJBA-15	MJBA-16	MJBA-17	MJBA-18	MJBA-19	MJBA-20
Drilling Period	Preparation phase	(*2shift/day) 10月15日	(*2shift/day) 10月20日	(**2shift/day) 10月30日	(**2shift/day) 11/03	(**2shift/day) 11/08 to 11/09	(**2shift/day) 11/14	(**2shift/day) 11/20
	Number of days	1.0	0.5	0.0	0.5	1.5	0.0	0.0
	Drilling	10/16 to 10/20	10/21 to 10/29	10/30 to 11/02	11/03 to 11/05	11/10 to 11/13	11/14 to 11/20	11/21 to 11/25
	Drilling days	5.0	9.0	4.0	3.0	3.5	6.5	4.5
	Mobilization phase	10月20日	10月29日	11/02	11/06 to 11/08	11/13	11/20	11/25
Number of days	0.5	0.0	0.5	2.5	0.5	1.0	0.5	
Total of days	6.5	9.5	4.5	6.0	5.5	7.5	5.0	
Depth	Planned depth	100.00m	100.00m	100.00m	100.00m	100.00m	100.00m	100.00m
	Drilled depth	100.05m	100.50m	100.30m	100.15m	100.15m	100.30m	100.30m
Recovery	Overburden	1.60m	2.70m	1.70m	1.80m	1.30m	1.82m	2.70m
	Core length	99.53m	97.35m	98.01m	99.70m	100.15m	96.15m	99.05m
	Recovery	99.5%	96.86%	97.71%	99.55%	100%	95.86%	98.75%
Casing	HW casing	-	-	-	-	-	-	-
	HQ casing	18.00	72.00	54.00	18.00	38.00	19.00	57.00
	NW casing	-	-	-	-	-	-	-
Rate	meters / day	20.01m	11.17m	25.07m	33.38m	28.61m	15.40m	22.29m
	meters / total days	15.39m	10.58m	22.29m	16.70m	18.21m	13.37m	20.06m

	Hole No.	MJBA-21	MJBA-22	MJBA-23	MJBA-24	MJBA-25	MJBA-26
Drilling Period	Preparation	(**2shift/day) 11/26	(**2shift/day) 11/30	(**2shift/day) 12/05	(**2shift/day) 11/20	(**2shift/day) 10/19	(**2shift/day) 11/04
	Days	0.0	0.0	0.0	1.0	6.0	2.0
	Drilling	11/26 to 11/30	11/30 to 12/4	12/5 to 12/8	11/20 to 11/27	10/25 to 11/03	11/07 to 11/18
	Days	4.5	4.5	3.5	8.5	9.5	11.5
	Moving	11/30	12/4	12/8 to 12/9	11/30	11/04	11/19
Days	0.5	0.0	1.5	3.0	1.0	1.0	
Total of days	5.0	4.5	5.0	12.5	16.5	14.5	
Depth	Planned depth	100.00m	100.00m	100.00m	100.00m	100.00m	100.00m
	Drilled depth	100.55m	100.75m	100.40m	100.30m	100.30m	101.35m
Recovery	Overburden	3.70m	4.50m	2.40m	4.30m	6.00m	5.70m
	Core length	100.55m	100.35m	100.30m	99.85m	100.30m	97.79m
	Recovery	100%	99.60%	99.90%	99.55%	100%	96.5%
Casing	HW casing	-	-	-	-	-	-
	HQ casing	33.00	47.00	24.00	41.00	65.00	65.00
	NW casing	-	-	-	-	-	-
Rate	meters / day	22.34m	22.38m	28.69m	11.80m	10.56m	8.81m
	meters / total days	20.11m	22.38m	20.08m	8.02m	6.08m	6.99m