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COGEMA CANADA LIMITED

DETAILED MAPPING and
LITHOGEOCHEMISTRY RESULTS

- TRENCH #5 -

OM86-6-C-205

Ref. No. 87-CND-47-06
(Document #0076U)

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November 1987

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SUMMARY OF RESULTS

Four different rock types are exposed at Trench 5. To the north, the rock consists of a massive to locally weakly foliated rhyolite or acid tuff. The central and southern part of the northern section is covered by an inter-bedding of iron-rich garnetiferous lapilli tuff to agglomerate and dacitic, locally garnetiferous ashfall tuff to agglomerate. The two small outcrops of the southern section consist of a dark green iron-rich tuff (locally with clasts) and of dacitic ashfall tuff. A diabase dyke, trending north-south, is exposed on the east margin of the outcrops.

The rocks are generally steeply north dipping with a strike ENE-WSW. Minor folds are common, the fold axes plunge gently to the east. Quartz veinings can be locally abundant with/without epidote. Generally quartz veins are slightly discordant compared to the foliation (angle between vein and foliation varies from 10° to 20°).

Sixteen samples were taken for chemistry and/or thin section. Nine samples are below the detection limit for Au (2 ppb). Five samples are between 4 and 11 ppb. One sample gives 110 ppb, it came from a locally strongly pyritiferous ashfall tuff. No whole rock analysis was done.

1. INTRODUCTION

Trench 5 consists of two parts, a northern part (outcrop GC-1) and a southern part (outcrop GC-2), ninety metres separate these two outcrops. This trench is located 350 metres north of the southern limit of the property and approximately 1.3 kilometres east of the Burntbush River (see Fig. 1).

This trench was mechanically stripped and cleaned during the 1986 fall program. Approximately 4400 metres^2 were cleared of trees and 2500 metres^2 of bedrock were exposed. Mapping was not performed at that time due to poor weather conditions. Work started again in July 1987 with the completion of the 5 x 5 metres grid and mapping of the outcrop.

In order to make the description easier, the different lithologies encountered will be discussed from north to south.

2. LITHOLOGY

Rhyolite / felsic tuff

This rock type consists of a very fine to fine grained, non-magnetic, massive to weakly foliated rhyolite flow or acid tuff. Colour varies from greenish to brownish to buff and white (the rock is white when there is no veining in the area) on the weathered surface; and bluish grey on the fresh surface.

In general, the rock has a massive aspect, but usually a weak foliation or banding is observed in hand specimen. The foliation orientation is quite variable but usually the dip is shallow, measurements are very difficult to take. The foliation is better developed near the quartz veins (might be related to the formation of veins) and close to the contact between this unit and the iron-rich tuff. Foliation measurements taken close to the contact have more or less the same orientation as the contact with a strong dip to the north. One possible explanation for the absence of foliation on the outcrop surface is that the foliation plane is parallel to the surface.

The presence in two areas of a dark green massive facies which might represent the undeformed equivalent of the well foliated iron-rich tuff was noted. This, the rhyolite/acid tuff, might correspond to the dacitic tuff.

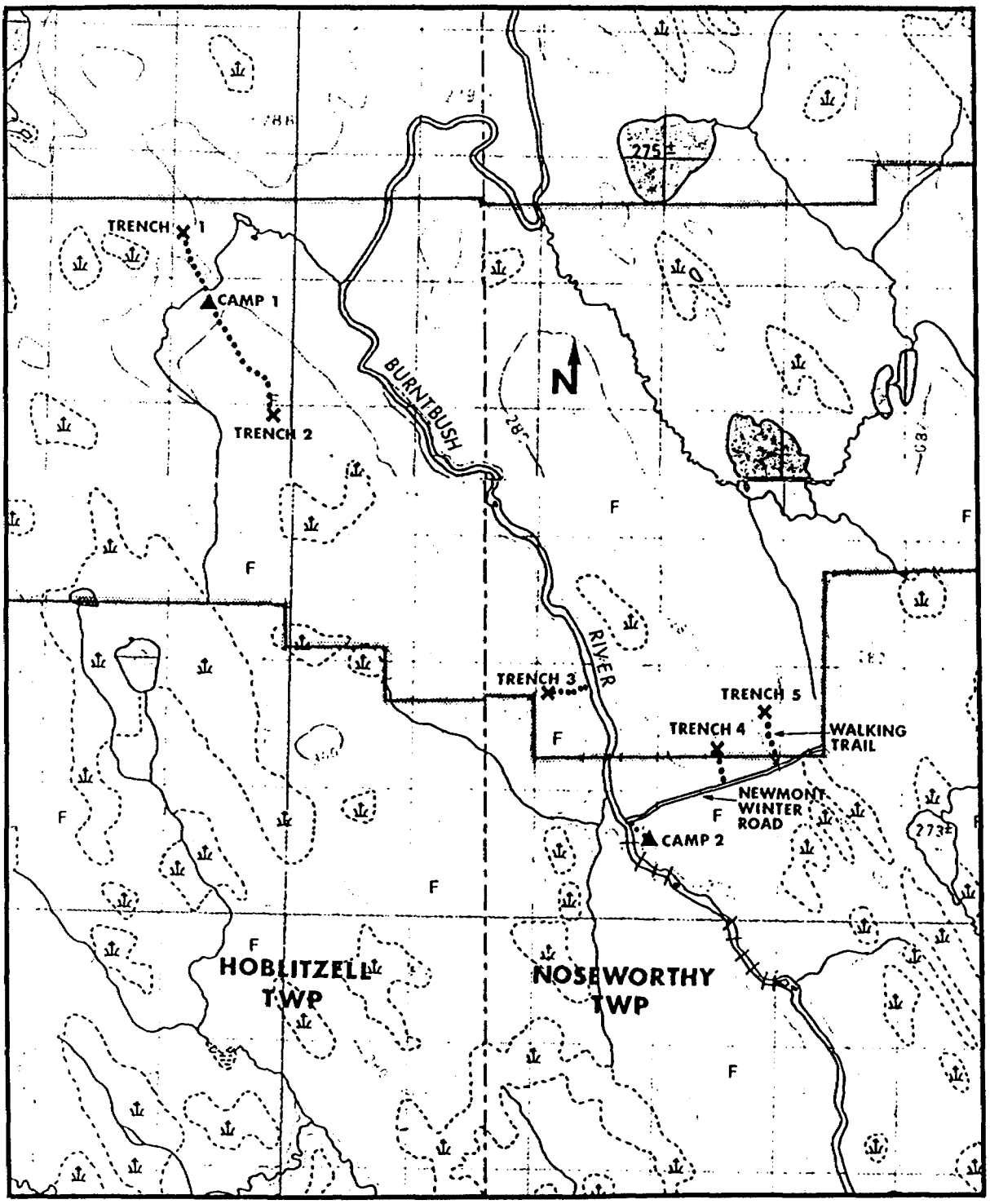

Figure 1 : Location of camps and work sites, fall 1986 outcrop stripping program.
Scale 1:50 000

One thin section taken in 1986 from this unit gave 75% plagioclase, 5% quartz and zoisite and 10% opaques.

The contact between this unit and the iron-rich tuff is sharp and runs more or less N100°. It is very easy to follow, mostly because of the colour change and of a well defined foliation in the iron-rich tuff. The contact seems faulted. Foliations on both sides of the contact follow the direction of the contact.

Iron-rich tuff and dacitic tuff

These two rock types will be discussed together because in outcrop, they are often interbedded or closely related. Three sub-units were mapped based on the relative abundance of each unit: iron-rich tuff (lapilli to agglomerate), dacitic tuff (lapilli to agglomerate) or mixed tuff where there is a rapid interbedding of the two facies or where the rock seems to be a transition facies (especially on top of outcrop where the rock was originally exposed and covered by lichen: the composition seems to be intermediate between the two.

The iron-rich tuff is medium green on the weathered surface and dark greenish grey on fresh surface. Usually the rock is fine grained and well foliated with coarse grained almandine garnets. Garnets are almost everywhere, they have no specific orientation. On the weathered surface, this unit is spotted with small elongated rusty nodules (mm to cm size) with no associated magnetism (altered magnetite crystals). This unit is generally very rich in clasts of two types: one type of clast is biotite-rich brownish and it is weathering in comparison with tuff; the other type is whitish and does not weather in. The clasts are garnet and magnetite free. The clasts are flattened and elongated in the direction of foliation. The ratio length to width varies from 2:1 to more than 10:1. Looking at the clast distribution, one can deduce that the foliation is parallel to the bedding.

The iron-rich tuff is relatively more abundant than the dacitic tuff on the map. But the true importance of each unit is unknown. On a vertical face, the iron-rich tuff was overlain by dacitic tuff.

The dacitic tuff weathers light brown to buff and it is dark grey on fresh surface. The grain size is again fine to very fine with feldspar phenocrysts, the foliation is generally well developed. This tuff carries less clasts (same types as in iron-rich). Almandine garnets are locally observed but in lesser amount than in the iron-rich tuff. No rusty nodules are observed. Two thin sections were taken in this unit and have a very similar mineralogy - plagio- clase-quartz-epidote-lepidomelane-chlorite and opaque. The texture observed in the slide is mylonitic to blastomylonitic.

Iron-rich tuff of southern section

This outcrop is dark green to olive green on the weathered surface and dark greenish grey on the fresh surface. The foliation/ schistosity is very well developed. This unit is very similar to the iron-rich tuff of the northern section but with some minor differences. The clasts are less abundant, they are observed in the eastern part of the outcrop. There is only one type of clast, white on weathered surface, massive looking. Here again the clasts are elongated and flattened. The foliation may be different from the bedding (using the clast distribution). Garnets are scarce, they are observed in 2 distinct areas. There is no interbedding with the dacitic tuff. Millimetric to centimetric elongated rusty nodules are present everywhere on the outcrop. According to a thin section taken in 1986, quartz and feldspar are the main constituents with biotite, chlorite and calcite, the texture is mylonitic.

The southernmost part of this outcrop has a different aspect; it looks like a transition facies between this unit and the dacitic unit exposed to the south. The strong glacial polish makes the interpretation more difficult because it tends to obliterate textures and relations.

Dacitic ashfall tuff of southern section

This dacitic ashfall tuff with feldspar phenocrysts is well foliated and is clast and garnet free and with a meter thick layer parallel to the foliation of a more massive buff coloured rock (reminiscent of the rhyolite/acid tuff of the northern section). No thin section was taken from this outcrop. Close to the iron-rich tuff there is again a transition facies but with a well developed glacial polish; the identification is very difficult.

Rock alteration

There is no major rock alteration in trench 5. The entire outcrop looks relatively fresh. Nevertheless there are some interesting points.

A local silicification is observed close to a sheared, pyrite-rich section of the lapilli tuff/agglomerate (sample T-5-1 was taken in this area and yields 110 ppb Au). Close to some quartz-epidote veins or patches, there is a minor epidotization of the host rock. There is also the transformation of iron oxides (magnetite) into rusty/ limonite nodules on the weathered surface of the outcrop.

3. LATE DYKE AND VEINING

Diabase dyke

A diabase dyke crosscuts the east part of the northern and southern sections of trench 5. The intrusive contact with the host rock is well exposed. The host rock did not undergo any major transformation (none observed at the macroscopic scale). There is a chill zone in the diabase with a thickness of less than fifteen centimetres. The true thickness of the dyke is unknown but it exceeds twenty five metres.

The dyke is strongly magnetic, massive looking and medium to coarse grained. Rare quartz veins and fractures crosscut the diabase but stop before reaching the host rock. In places there are inclusions of host rock fragments (approximately 50 centimetres long).

Some centimetric to decimetric offshots of diabase are found in the host rock. The diabase found in the westernmost part of the southern section is probably part of the ramification system.

Quartz veining

Quartz veins are not evenly distributed over the entire trench. There are areas where veining is very important and areas where veining is practically absent. For the mapping purpose, small quartz veins were not drawn.

Three major types of quartz veins are seen on the outcrop: quartz-epidote $\pm$ chlorite (chlorite may replace partially or completely epidote) or quartz alone; quartz-tourmaline veins are observed only in the iron-rich tuff of the southern section. Veins can be undeformed, folded or boudinaged. There are also at least two generations of veining and at least one older than the intrusion of the diabase dyke.

In the quartz epidote veins, quartz is in the center while epidote is forming the external envelope. In places, epidote extends in the host rock. Epidote alone can form small isolated veins, but this is a very minor type.

The general orientation of veins is East-West with a strong dip. In the northern section, veins are more or less concordant with the foliation whereas in the southern section, veins are making an angle of 10 to 20 degrees with the foliation (i.e. foliation at N80°, veins

are between 90° and 100°). The vein thickness is usually less than thirty centimetres but veins with an observed thickness of one metre or more are described. Veins can be sterile or weakly mineralized (sulphides).

Foliation near the quartz segregations is very strongly disturbed and folded (centimetric/decimetric folding).

4. STRUCTURE

The intensity of deformation is variable from one end of trench 5 to the other end. Rhyolite/acid tuff of the northern section is undeformed. The only deformation observed in this area is located near the contact with the adjacent unit where there is a development of foliation parallel to the contact.

Deformation in the iron-rich and dacitic tuffs is also quite variable. The deformation is stronger than in the rhyolite/acid tuff. The degree of deformation can be visualized by the flattening and elongation of the clasts within the tuff (ratio length: width varying from 2:1 to 10:1). In thin section, the texture is mylonitic to blastomylonitic (GC-02-04).

Shearing observed in trench 5 is at a local (minor) scale, not comparable with the shearing observed at trench #2 (report 87-CND-47-01). The iron-rich tuff of the southern section shows the maximal shearing observed. Shearing increases towards in most cases, in the iron-rich and dacitic tuffs, foliation varies between N75° and N85° and it is steeply north-dipping (65°-85°). In rare cases, foliation is vertical or steeply south dipping.

Microfoldings observed in dacitic and iron-rich units (mostly associated with quartz veining) are similar or comparable to those observed in Trench 3 with an easterly direction of fold axes and a plunge of 25° or less. No stereographic projection of foliation or fold axes was done because of similarity with trench 3. Few lineations (folds lineation) were developed but no measurement was taken.

5. LATE FRACTURES

Fractures are oriented in all directions usually with a steep dip (most time not measurable). 16% of all fractures are between N10° and N55°; 23% are between 65° and 100°, and 60% of all fractures are between 100° and 180° (see Fig. 2). Some minor displacements are observed in places (<30 cm). Most fractures are bleached, the bleaching envelope is narrow.

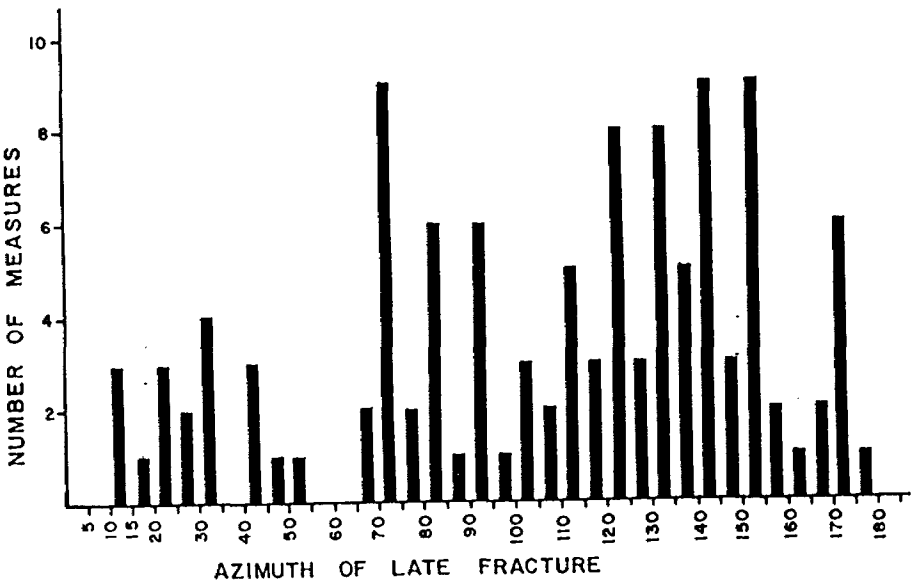

Figure 2 : Histogram of late fracture orientations from trench 5 (azimuth only). Total number of observations is 113.

Fracturing seems more abundant in the rhyolite/acid tuff than everywhere else. This impression may be caused by the absence of a well developed foliation. Fracturation in this unit forms long linear pattern. Fracturation in the iron-rich and dacitic tuffs is less obvious but here again, the pattern is the same.

In the iron-rich tuff of the southern section, fracturation is different. Instead of a long linear pattern, fractures are 10 centimetres long and they are evenly spaced and oriented over a major part of the outcrop. The strike varies from N05°-N40°, dip is vertical. Most fractures are open, a few are healed with quartz.

6. GLACIAL STRIAE

Thirty-five (35) measures of ice direction were taken in trench 5 ranging from N125° to N195° with a maximum at N140° for the first set. The southeast ice direction was determined in one place by a rat tail feature. Another set (from an older glaciation) of three measures ranges from N245° to N255° (the southwest direction is inferred from regional knowledge) (see Fig. 3).

Glacial polish is well developed in low areas of outcrop especially in the southern part of the northern section (outcrop GC-01) and in the southern part of the southern section (outcrop GC-02).

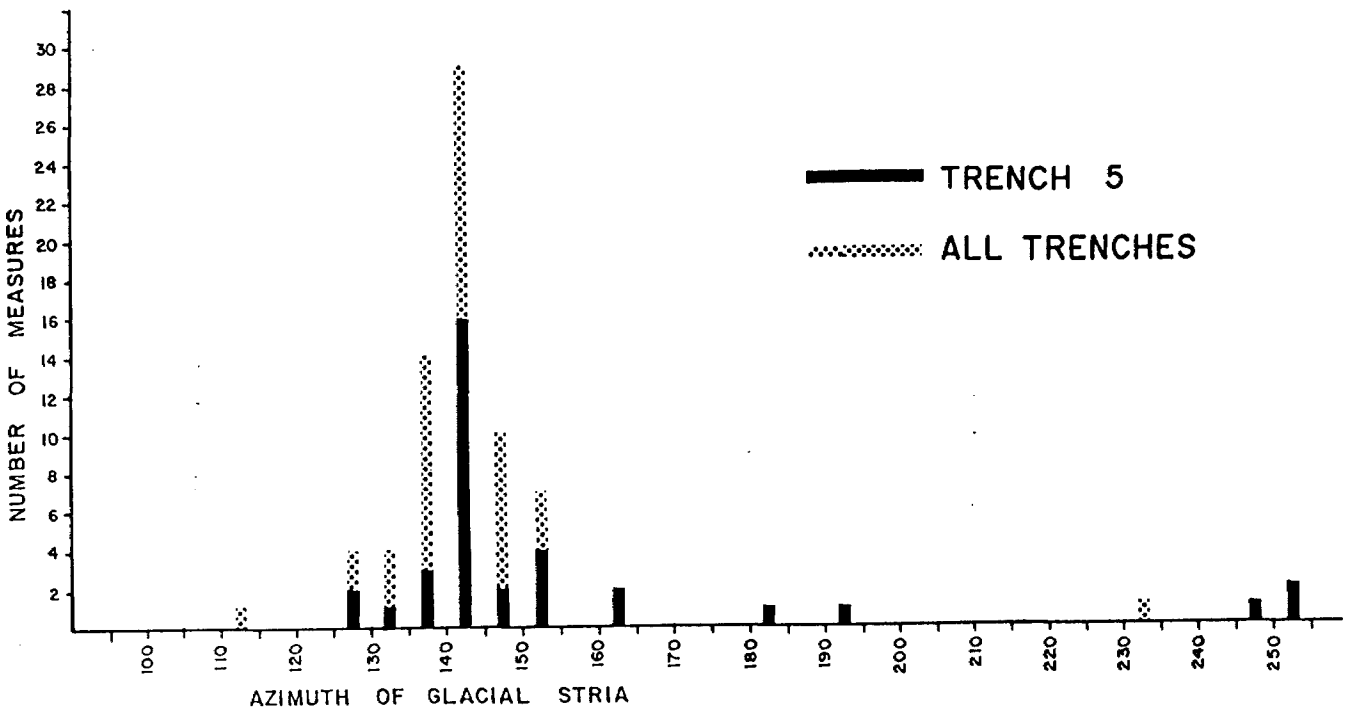

Figure 3 : Histogram of glacial striae directions measured at trench 5 and compiled for all trenches. Total number of measures is 35 at trench 5 and 78 for trenches 1 through 5.

REFERENCE

LEARN, John, 1986, Geological Mapping and Lithogeochemistry Results, Summer Field Program, Part II (Cogema Report No. 86-CND-47-02).

1986 Detailed Mapping and Lithogeochemistry Results of Outcrop Stripping Program (Cogema Report No. 87-CND-47-01).

SAMPLE STATISTICS TRENCH 5

Roch type and sample numbers	Chemistry * Opt. A	Opt. B	Thin section
Dacitic and iron-rich tuffs			
GC-002	X		X
GC-003	X		
GC-004	X		X
GC-006	X		X
GC-008	X		
GC-011	X		
T5-1 (pyrite)	X		X
T5-3			X (2)
AM-16-4	X		
Rhyolite/Acid Tuff			
AM-16-1	X		
AM-16-2	X		
AM-16-3	X		
Diabase dyke			
GC-001			
Late veins			
GC-005 (much host rock)	X		X
GC-007 (with host rock)	X		
T5-2	X		X
T5-4 (much host rock)	X		

TOTALS:	Opt. A	Opt. B	Thin section
Summer program 1986	8	0	4
Fall program 1986	3	0	4
Summer program 1987	4	0	0
	15	0	8

Opt. A = minor elements, CaO, K_2O, CO_2
Opt. B = major and minor elements

1 of BURNT BUSH MINOR ELEMENTS >> TRENCH #5 << [87/11/26] A

rd	Station	Sample no	Au ppm	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Hf ppm	Ir ppm	Fe %	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm
10	GC-2	0	11	-0.1	1	390	-5	1	-20	14	-9	2	3	-50	3.5	15	-1	-20	32	10.0
11	GC-3	0	7	0.1	1	220	-5	1	-20	10	-9	1	3	-50	5.2	9	-1	-20	25	8.9
12	GC-4	0	-2	0.1	1	390	-5	0	-20	14	-9	1	4	-50	5.1	15	-1	-20	26	13.0
13	GC-5	0	-2	0.2	-1	150	-5	0	-20	8	-9	1	4	-50	3.0	13	-1	-20	15	13.0
14	GC-6	0	4	-0.1	-1	150	-5	1	23	14	-9	-1	4	-50	8.1	13	-1	-20	30	14.0
15	GC-7	0	-2	0.3	2	91	-5	0	28	32	-9	1	3	-50	8.3	15	-1	23	-5	16.0
16	GC-8	0	-2	-0.1	1	250	-5	0	40	16	-9	1	3	-50	3.5	10	-1	24	21	14.0
18	GC-11	0	-2	0.3	-1	75	-5	0	35	15	-9	1	3	-50	6.6	18	-1	24	-6	15.0
18	T5-1	0	110	0.2	7	260	-5	1	25	18	-9	-1	4	-50	12.0	13	-1	29	21	14.0
19	T5-2	0	-2	0.4	3	-50	-5	0	-20	11	-9	-1	4	-50	8.3	12	1	-20	-5	8.0
20	T5-4	0	10	0.2	4	130	-5	1	32	12	-9	1	5	-50	12.0	14	-1	-20	14	14.0
58	AM-16-1	0	-2	0.1	-1	560	-5	1	100	-5	14	1	6	-50	2.3	19	2	-20	49	16.0
59	AM-16-2	0	6	0.2	-1	-50	-5	-1	110	27	13	-1	7	-50	8.8	25	-1	-20	-14	25.5
60	AM-16-3	0	-2	0.1	-1	230	-5	2	83	22	30	1	6	-50	10.0	18	-1	-20	30	20.1
61	AM-16-4	0	-2	-0.1	1	380	-5	1	120	9	28	-1	4	-50	2.2	10	1	-20	64	16.0

ord	Hole no	Sample no	Se ppm	Ag ppm	Ta ppm	Tb ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm	Ce ppm	Na %	Sn ppm	Te ppm	Zr ppm	Br ppm	Lu ppm	Sm ppm
10	GC-2	0	-5	-2	-1	-1	1.7	1	0.3	-2	-100	-9	2.91	-9	-9	-9	-9	-9.0	-9.0
11	GC-3	0	-5	-2	-1	-1	1.3	1	0.3	-2	-100	-9	2.16	-9	-9	-9	-9	-9.0	-9.0
12	GC-4	0	-5	-2	1	1	1.4	-1	0.3	3	-100	-9	2.22	-9	-9	-9	-9	-9.0	-9.0
13	GC-5	0	-5	-2	1	1	1.6	-1	0.3	2	-100	-9	2.07	-9	-9	-9	-9	-9.0	-9.0
14	GC-6	0	-5	-2	-1	-1	1.5	-1	0.4	2	-100	-9	1.40	-9	-9	-9	-9	-9.0	-9.0
15	GC-7	0	-5	-2	-1	-1	1.7	-1	0.4	-2	-100	-9	1.40	-9	-9	-9	-9	-9.0	-9.0
16	GC-8	0	-5	-2	-1	-1	1.9	-1	0.4	-2	-100	-9	2.89	-9	-9	-9	-9	-9.0	-9.0
18	GC-11	0	-5	-2	-1	1	1.9	-1	0.4	-2	-100	-9	2.87	-9	-9	-9	-9	-9.0	-9.0
218	T5-1	0	-5	-2	-1	-1	1.8	-1	0.3	3	150	-9	2.17	-9	-9	-9	-9	-9.0	-9.0
219	T5-2	0	-5	-2	-1	-1	1.4	-1	0.4	-2	-100	-9	0.12	-9	-9	-9	-9	-9.0	-9.0
220	T5-4	0	-5	-2	-1	1	2.1	-1	0.5	3	620	-9	1.90	-9	-9	-9	-9	-9.0	-9.0
358	AM-16-1	0	-5	-2	1	1	1.5	-1	0.4	-2	110	38	2.64	-100	-10	-200	3	0.3	6.1
359	AM-16-2	0	-5	-4	1	2	2.2	-2	0.7	4	130	43	4.85	-100	-10	-510	2	0.6	7.3
360	AM-16-3	0	-5	-2	-1	1	1.8	-1	0.3	2	140	31	1.70	-100	-10	-200	-2	0.4	4.6
361	AM-16-4	0	-5	-2	-1	-1	2.3	-1	0.5	-2	-100	21	3.09	-100	-10	-200	4	0.2	2.4

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

HAND SPECIMEN DESCRIPTION

Sample No.: AM-16-1

1. Mineralogy: %, habit, grain size:

Too fine grained for mineral identification.

Small epidote nodules observed.

2. Rock Texture, Colour, Hardness, etc.:

Light buff coloured on weathered surface, medium grey on fresh surface.

3. Structures:

Weakly foliated

4. Alterations:

Normal rock weathering

5. Magnetism:

Non magnetic

6. Rock name (Field Designation): Rhyolite or acid tuff

(Doc. #0076U - 15.12.87)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

HAND SPECIMEN DESCRIPTION

Sample No.: AM-16-2

1. Mineralogy: %, habit, grain size:

Very fine grained.

No mineral identified.

2. Rock Texture, Colour, Hardness, etc.:

Buff coloured on weathered surface; medium greenish grey on fresh surface.

Not very hard, can be scratched by a knife.

Massive to very weakly foliated.

3. Structures:

None observed.

4. Alterations:

Normal weathering of the rock.

5. Magnetism:

Non magnetic

6. Rock name (Field Designation): Massive rhyolite or acid tuff

(Doc. #0076U - 15.12.87)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

HAND SPECIMEN DESCRIPTION Sample No.: AM-16-3

1. Mineralogy: %, habit, grain size:

Very fine grained.

Difficult to guess the mineralogy because of grain size but chlorite or sericite is present.

No sulphides.

2. Rock Texture, Colour, Hardness, etc.:

Dark green to green olive on weathered surface, dark greenish grey on fresh surface.

Well foliated to schistose.

Not very hard, can be scratched by a knife.

3. Structures:

Microfolding observed.

4. Alterations:

Rusty alteration on the weathered surface.

5. Magnetism:

Non magnetic.

6. Rock name (Field Designation): Iron-rich tuff

(Doc. #0076U - 15.12.87)

COGEMA CANADA LIMITED

BURNTBUSH RIVER PROJECT

HAND SPECIMEN DESCRIPTION Sample No.: AM-16-4

1. Mineralogy: %, habit, grain size:

It is too fine grained for mineral identification.

2. Rock Texture, Colour, Hardness, etc.:

Light buff coloured on the weathered surface, medium greenish grey on fresh surface.

Fairly well foliated.

3. Structures:

Microfolding observed in hand specimen.

4. Alterations:

Rusty surfaces.

5. Magnetism:

Non magnetic

6. Rock name (Field Designation): Rhyolite / acid tuff

(Doc. #0076U - 15.12.87)

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COGEMA CANADA LIMITED
BURNTBUSH RIVER PROJECT

FINAL REPORT - 1987
"REVERSE CIRCULATION DRILLING"

VOLUME 1 of 3

Ref. No. 87-CND-47-04
(Doc. #0076U)

By: J. Learn
January 1988

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1. INTRODUCTION

1.1 Summary of Work Performed to date on the Burntbush River Project

The Burntbush River project is a joint venture gold exploration program between COGEMA Canada Ltd and AMERITEX Resources Ltd. The property comprises 312 contiguous mining claims situated in northeastern Ontario.

Most of the project area (300 claims) was staked for AMERITEX in January, 1984. The only work performed by them on the claims was an airborne VLF-EM and magnetics survey, which was contracted to Aerodat Ltd (Ameritex, 1984).

In May 1986, COGEMA and AMERITEX signed a joint venture agreement naming COGEMA operator of the exploration program and all subsequent work has been performed by ourselves. At this time, a block of 12 claims (previously held by DOME EXPLORATIONS Ltd) was added to the property.

The first field program was performed in the summer of 1986, and comprised geologic traverses aimed at locating, mapping and sampling outcrops. Traverse spacing ranged from 50 to 100 m and numerous undocumented outcrops were found and described (COGEMA Ref. No. 86-CND-47-02).

Later, in the fall of 1986, five of the larger outcrops were stripped and detailed mapping was performed in order to better understand the geology. These outcrops are fairly well distributed across the property and represent an important step in understanding the property geology at a broader scale (COGEMA Ref. No. 87-CND-47-01).

Finally, in December 1986, a second airborne survey was commissioned, this time to DIGHEM Surveys Ltd, mostly because the previous airborne survey did not include low frequency or time domain EM instrumentation (COGEMA Ref. No. 87-CND-47-02).

The winter 1987 program represents the next step in our evaluation of the project area. This program consisted of reverse circulation (overburden) drilling at ~400 m x 400 m spacing and was planned to cover the southern ~ one third of the property. Unfortunately, 23 of the planned drill holes could not be completed due to mild weather which made it necessary to abandon work on the east side of the Burntbush River.

Reverse circulation drilling was therefore resumed during the summer 1987 program. This program was designed to complete the reconnaissance holes not yet drilled, and also to perform some detailed follow-up drilling (~200 m x 200 m spacing) in areas of interest interpreted from the results of the winter program. Results of the two programs are combined in this report.

1.2 Location and Access

The Burntbush River property covers about 50 km^2 in the townships of Hoblitzell and Noseworthy, northeastern Ontario (see Fig. 1-1).

During the winter program, access to the area was by winter road via Tomlinson Road, which connects to a main east-west maintained gravel road connecting La Sarre, Que. and Iroquois Falls, Ont.

During the summer program, helicopter support from La Sarre, Que. and Cochrane, Ont. was used, but the drill itself was driven along the winter road to the property.

1.3. Technical Summary

Reverse circulation drilling is a commonly used technique in gold exploration in Canada, particularly where outcrop exposure is poor and where glacial overburden deposits are thick. The method is relatively well known and various aspects are described in Averill and Thomson (1981), and in Shelp (1985), and for this reason no detailed technical description will be given.

Any such program is generally designed to test for 1) gold (or other) anomalies in glacial sediments (usually till) which represent mechanical dispersion trains that can hopefully be traced back to their source, and 2) bedrock mineralization.

The results are therefore presented separately in two main parts: the first part (section 3) covers the Quaternary aspect of the program, and the second part (section 4) covers the bedrock geology aspect of the program.

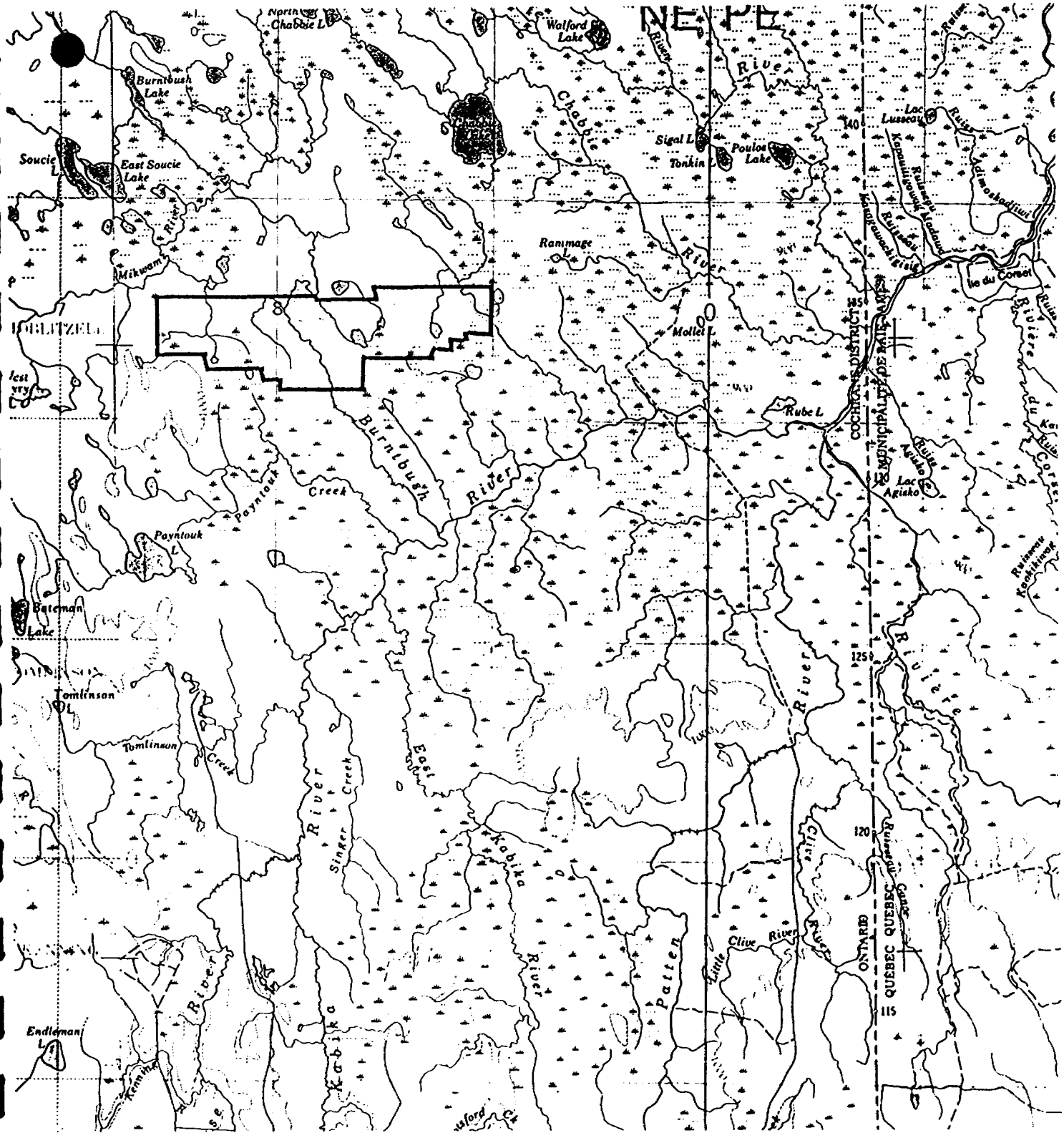

Figure 1-1 : Location of the Burntbush River Property, Northeastern Ontario.
Scale 1:250 000

The drilling contract was awarded to HEATH and SHERWOOD Drilling Ltd who used a Nodwell mounted Acker drill, as well as a GT1000 tracked vehicle to supply water. Road clearing was performed by NORTHLAND Explorations Ltd using TD-15 (narrow track) and D-6-LGP (wide track) bulldozers.

Drilling was performed between March 3 and April 4, 1987 and again between June 20 and July 7, 1987. All road construction was performed between February 17 and March 28, 1987. Note also that a total of 25.7 km of line was cut between Feb. 25 and March 14, 1987 so that drill hole locations could be precisely measured.

1.4. Generalized Quaternary Stratigraphy of Northeastern Ontario

The Abitibi region of northeastern Ontario and northwestern Quebec is overlain by a fairly complex Quaternary stratigraphy. Some published information is available (eg Boissoneau 1965, Clark and Stearn 1968, Bouchard 1986), but there is no comprehensive detailed summary. Much of the information presented below has been furnished by OVERBURDEN DRILLING MANAGEMENT Ltd (ODM), who were contracted to train us in the recognition and sampling of the various Quaternary units using the reverse circulation method.

During the Pleistocene in continental North America, four major periods of glaciation are recognized. Very little evidence of the first two glaciations has been documented in the Abitibi region. The two major glaciations of importance are the Illinoian advance (>125 000 years ago) and the Wisconsinan advance (from ~100 000 to ~10 000 years ago).

A generalized stratigraphic section is presented in Table 1-1.

The Lower Till was deposited in Illinoian time and is generally preserved only in deep bedrock valleys; in most other cases it has been reworked by the more recent Wisconsinan advance.

The Matheson Till was deposited in Wisconsinan time and is the major widespread till sheet in the western Abitibi region. In the northern part, a minor re-advance in late Wisconsinan time deposited the Cochrane Till.

Table 1-1 : GENERALIZED QUATERNARY STRATIGRAPHY OF NORTHEASTERN ONTARIO

COCHRANE TILL (CT) (very late Wisconsinan)
- Cochrane Till has mostly reworked clays deposited within Lake Ojibway II and is therefore very clayey.
- Cochrane Till may be overlain by a thin veneer of glaciolacustrine sediments similar to those which overlie the other till sheets.

OJIBWAY II SEDIMENTS (OII) (late Wisconsinan)
- glaciofluvial esker/delta sands and gravels
- glaciolacustrine fine sands, silts, clays (fining upward sequence - ice retreat)

MATHESON TILL (MT) (Wisconsinan)
- pebbly, cobbly and/or bouldery tills with unsorted sandy, silty and locally clayey matrix
- commonly this unit will contain thin, discontinuous layers of sorted material

MISSINAIBI SEDIMENTS (MS) (early Wisconsinan and Sangamon)
- Ojibway I glaciolacustrine sediments
- glaciofluvial sands and gravels

LOWER TILL (LT) (Illinoian)
- pebbly, cobbly and/or bouldery tills with unsorted sandy, silty and locally clayey matrix

OLDER SEDIMENTS AND TILLS (OS) ?

During advance and retreat of the main Wisconsinan ice sheet, the region was flooded by Lakes Ojibway I and II. Clay, silt and fine sands deposited at the lake bottom overlie both the Lower and Matheson Tills. Meltwater rivers that fed these lakes deposited glaciofluvial sands and gravels.

In addition to the Quaternary stratigraphy, it is necessary to review our knowledge of the direction of the ice advances, since any dispersion train discovered would have to be traced back to its source.

The most recent comprehensive study of ice-flow directions for this area was performed by Veillette (1986), who used cross-striated outcrop surfaces to determine relative ages and directions of ice flow. He concludes that:

i) the ice direction during the last glacial maximum was south-southwest (180°-220°);
ii) during late Wisconsinan time, a change in the ice flow direction occurred, towards the south-southeast (130°-170°);
iii) striae trending west-southwest (230°-270°) can be attributed to early Wisconsinan or pre-Wisconsinan glaciation.

Veillette does not specifically discuss ice-flow directions for the Cochrane readvance, which affects only a minor section of the northern part of his study area. A review of airphotos in this area, together with a glance at the map of Boissoneau (1965), suggests though, that the Cochrane ice-flow direction here was close to 135°.

In addition to the above information, we have recorded 78 striae measures on outcrops stripped during fall 1986. Of these, 69 fall between 125° and 150° with two additional measures at 160° (group ii above). One measure was taken at 180°, and one at 190° (group i above) and four measures fall between 230° to 250° (group iii above).

In the Burntbush area, then, the Lower Till ice direction may be at 230° to 250°. Matheson Till ice-flow directions could range from 125° to 190°, but striae trending 125° to 150° may also be due in part, or in whole, to the Cochrane readvance.

1.5 Bedrock Geology of the Burntbush River Project Area

The bedrock geology of the area was first studied by Thomson (1936) and more recently by Johns (1982). The following brief summary serves only as an introduction; the reader is referred to our earlier reports for more detail (COGEMA Ref. Nos. 86-CND-47-02, 87-CND-47-01) and to section 4 of this report.

The property has been informally subdivided into a "northern low magnetic terrane" and "southern high magnetic terrane".

Very few outcrops occur in the north part of the property, and from these it is interpreted that the area is underlain by predominantly high grade metasedimentary rocks (turbidites ?), with lesser predominantly mafic, metavolcanic rocks. A few intrusive metagabbros are present and there are numerous late dykes and veins of various compositions. On the east side, near the northern boundary, a high magnetic trend has been interpreted to be a sulfide facies iron formation.

The southern part of the property appears to be less strongly metamorphosed than the northern part, and outcrop exposure is somewhat better. Tuffs and flows of mostly intermediate compositions have been mapped. These rocks have been intruded by various others, including metagabbros and diabase, but veining seems to be less common than in the north.

It is believed that one or more major east-west structures transect the property and this is supported to some extent by our surface mapping.

2. DESCRIPTION OF FIELD WORK

2.1. Field Procedures

This section details the field procedures adopted by the project personnel before, during and after the drilling of any overburden (reverse circulation) drill hole.

Holes were spotted, and drill roads flagged by two-person teams. Using airphoto control, a 100 m nylon rope and compass, traverses were conducted. Drill roads were flagged and hole positions were marked with a picket and given a site number. In cases where dense bush or heavy deadfall were encountered, alternate access routes were flagged where possible.

Linecutting started at about the same time as the hole spotting, and so cut lines were not completed in time to be of assistance in the hole positioning.

Drilling required 5 persons. The driller, helper and water carrier ensured the smooth continuous running of the drill rig, and were together mechanically capable of keeping down-time to a minimum. A geologist and technician performed the logging and sampling. We used two teams of two persons during the winter program, and rotated the work between three persons during the summer program. During the first three weeks of the winter program, a consultant geologist from ODM was engaged (as a sixth person) to train us in the logging and sampling of the overburden and bedrock materials.

The following text describes the logging criteria, and describes in detail each of the Quaternary units in order of appearance during a typical reverse circulation drill hole on the Burntbush River property.

CT - Cochrane Till (and Sediments)

The Cochrane Till is a very clayey unit. The clay contains a few pebbles and rarely cobbles and/or boulders but always contains minor sand and granules. The sandy nature of the clay is evident when it is squeezed between the fingers. The unit is light brown to light grey in colour and the clay is soft. In the upper ~50 cm though, the clay may be fairly hard and compact and dark brown. Minor sandy sections with very little clay are not uncommon. In places, the till is overlain by a thin veneer of pure clay (glaciolacustrine sediments) similar to those units which overlie the older tills.

In the case of hole BOB-95, the Cochrane Till was very sandy and gravelly with only minor clayey sections because the hole was drilled very close to an esker which was slightly reworked by the Cochrane ice sheet.

OII - Ojibway II Sediments

The Ojibway II Sediments comprise predominantly glaciolacustrine pure clays. The contact between these clays and the overlying clayey till is not abrupt and it is therefore probable that the contact has been logged deeper than it really is in some of the drill holes, i.e. Ojibway II clays are logged when the clay becomes pure, which is again evident when squeezed between the fingers. The clay is soft and light grey to bluish gray in colour.

Fine sands and silts also represent a common overburden type logged as Ojibway II sediments. These generally underlie the pure clays or are interbedded with them. They are usually light brown in colour and are well sorted. Very minor coarse sand or pebbly interbeds may occur.

In hole BOB-95, coarse sand and gravels are interpreted to represent an esker, part of the Ojibway II Sediments unit, which has no topographic relief due to later reworking by the Cochrane ice sheet.

MT - Matheson Till

The Matheson Till underlies the above two units in nearly every hole drilled. The contact between this unit and the overlying Ojibway II Sediments (or Cochrane Till) is generally very abrupt.

The coarse fraction of the Matheson Till unit is observed on a 10 mesh screen and generally comprises pebble and cobble chips of various compositions. Most rock chips are coarse grained granitoids and metavolcanic and metasedimentary rocks. Generally, a few limestone clasts are encountered. These rock chips are logged in terms of their relative proportions over several metre intervals. Boulders are also commonly encountered and these are individually described.

The fine fraction of the till is described using a scoop. The fines generally consist of fine sands and silt of light grey-beige colour. Occasionally, the matrix of the till will be clayey due to reworking of the Ojibway I clays. In general, the Matheson Till is a poorly sorted, typical till unit, and it is therefore mostly described over several meter intervals.

In some cases, sorted sand and gravel sections of limited depth extent are observed.

MS - Missinaibi Sediments

The Missinaibi Sediments unit as observed on the Burntbush River property comprises two members.

Ojibway I pure gray clays have been encountered in a few drill holes. The clays are gray in colour and are generally compact and hard. When squeezed between the fingers they prove to be pure clay, but their compact nature requires some effort before they will compress. This is the only major difference between Ojibway I and Ojibway II clays. As with the younger (Ojibway II) glaciolacustrine unit, there may be sandy or pebbly interbeds of minor importance.

Additionally, thick sections of sand and gravel have been encountered below the Matheson Till unit. These are heterogeneous. Coarse, medium and/or fine well sorted sands may be present or interbedded. Clean gravels with no supporting matrix may be encountered. Sandy gravels are also common and these may be difficult to distinguish from till. Careful attention must be paid when sandy gravels are being drilled due to their similarity to till, but generally some interbedding and/or sorting will be present to assist in their proper identification. There is also generally a very high rate of sample return when these materials are being drilled, which aids in identifying them.

LT - Lower Till

The Lower Till is in every respect similar to the Matheson Till. The only real field criteria which distinguishes it is the presence of the Missinaibi Sediments between the two till units. During reverse circulation drilling, it would be nearly impossible to distinguish it from Matheson Till if they were in contact with each other.

Field procedures for sampling the Quaternary units are as follows:

1) The Matheson and Lower Tills are considered the most important sampling media, since it is these ice sheets which eroded the most bedrock, and would therefore be most likely to contain a gold bearing mechanical dispersion train.

   These tills are ideally sampled at 1.5 m intervals, since this length of sample most consistently gives an adequate quantity of sample material. And, more importantly, most dispersion trains are expected to have a minimum thickness of about 2 m at or very near to their source (eg at Golden Pond, Sauerbrei et al, 1987). With increasing transport distance, the anomaly should weaken but the thickness should increase. Thus, a dispersion train, if intersected, should give anomalous results in two (or more) adjacent overburden samples (within the same unit). Isolated, single sample anomalies must be very carefully evaluated before it is concluded that they represent a mechanical dispersion train.

   If, however, the sample return over a 1.5 m interval is considered insufficient, the sample length may be extended to 2 or even 3 m.

   In most pebbly and cobbly sections, up to 75% of the rock chips which land on the 10 mesh screen are discarded. Thus, we attempt to sample predominantly the fine matrix material.

   Boulders are not sampled together with overburden materials, thus mixing of overburden and rock cuttings is avoided. In the event that a boulder is encountered and there is less than 1.5 m of overburden material in the sampling buckets, one of the three following procedures is adopted:

   i) if there is a sufficient quantity of material to give a sample of ~8 kg, the sample is taken as such, even though the sample interval is less than 1.5 m;

   ii) if there is an insufficient quantity of material, the previous (overlying) sample may be extended to a length of greater than 1.5 m, or

   iii) this material may be added to material sampled below the boulder to give a total sampled length of 1.5 m.

2) Sands and gravels which represent glaciofluvial deposits are also sampled, based on the premise that any Au anomaly found could be traced back to its source. However, these samples are considered of lower priority since the surface area of bedrock eroded by the glacio-fluvial systems would be much less.

   For this reason, sample intervals are generally greater, ~3 m. Samples of shorter length have been taken, though, due to the high sample return in this overburden type.

3) Fine sands of glaciolacustrine origin were occasionally sampled on the advice of the ODM consultant in the event that a placer deposit was present. This practice was discontinued after the winter program.

4) The clayey Cochrane Till was not sampled, since it has eroded very little bedrock.

   In some cases, sandy sections of the Cochrane Till were sampled. This is due to its similarity in isolated cases to the Matheson Till. When very clayey till was re-entered, the geologist chose to retain the sample so as not to waste time rejecting it.

5) Pure clays were never sampled, since there would be very little or no heavy mineral concentrate, and since the source area for these deposits could be several (hundreds of ?) kilometres away.

After drilling the Quaternary section, bedrock is drilled for ~1.5 m. The bedrock is briefly described using hand lens, 10% HCl, magnet, etc.

Bedrock is sampled over 1.5 m and the hole is stopped at this point. Whereas the Quaternary section sample comprises mostly the fine materials, the bedrock sample is ideally comprised exclusively of chips, and the -10 mesh material is discarded.

Also note that the occasional metasedimentary or metavolcanic boulder may be greater than 1.5 m in thickness. In isolated cases then, it is possible that a boulder has been sampled and called bedrock. No hole was stopped in a granite boulder of this size.

In some cases, due to caving in of overburden material around the rods, the bedrock sample was contaminated with foreign material. When the rock was soft enough that the bit advanced reasonably quickly, a good uncontaminated sample was obtained. For example in hole BOB-39, ~7 m of bedrock was drilled before a sample was taken. In cases where the bit advanced very slowly, a contaminated sample was taken.

Such contaminated samples would be unsuitable for major element analyses, but should be suitable for Au geochemistry; any significant Au anomaly would, however have to be studied with this in mind.

Most contamination of this type occurred in bedrock overlain by sands and gravels, which have a stronger tendency to cave in around the rods.

Finally, in order to determine as precisely as possible the drill hole positions, we tied drill holes to the cut grid using chain and compass along the drill roads. In this manner, straight line distances of up to 100 m could be easily measured. Where drill roads cross the cut grid, the chainage on the cut grid at that point was used as a control. Where the same hole has been tied to the grid in two places, the calculated errors are generally less than 5 m (eg BOB-31 has been tied to BL0+00 at 2980E, and to L4900E at 666N). Additionally, claim posts which were visible from drill roads were tied to the cut grid in the same manner.

2.2 Drilling and Sample Statistics

In total, 133 different hole positions were drilled. Other pertinent information is provided in Table 2-1.

Sample statistics are summarized in Table 2-2.

A drilling summary is presented in Appendix I, as are the field logging sheets. Map 1 shows the drill hole locations.

Table 2-1 : DRILLING STATISTICS

WINTER PROGRAM (BOB-01 to BOB-95)

		MAXIMUM	MINIMUM
# of holes	95		
# of metres	2034.5		
AVG HOLE DEPTH	21.4 m	48.0 m	3.3 m
AVG DEPTH PER SHIFT*	61.6 m	100.8 m	29.3 m

* excludes 22 and 23 March: drill was moved from hole BOB-39 to west side of river, hole BOB-40 was drilled - total depth 3.3 m - then drill was inoperative until 24 March when drilling was resumed.

SUMMER PROGRAM (BOB-96 to BOB-133)

		MAXIMUM	MINIMUM
# of holes	39		
# of metres	1124.5		
AVG HOLE DEPTH	28.8 m	45.6 m	11.2 m
AVG DEPTH PER SHIFT*	66.1 m	102.4 m	24.0 m

* excludes 6 July: drill was moved from hole BOB-130 to west side of river, no drilling was accomplished.

CUMULATIVE RESULTS

# of holes	134	(BOB-125 drilled twice)
# of metres	3159	
AVG HOLE DEPTH	23.6 m	
AVG DEPTH PER SHIFT*	63.1 m	

* excludes 22 and 23 March, 6 July.

Table 2-2 : SAMPLE STATISTICS

A) OVERBURDEN SAMPLES (TO OVERBURDEN DRILLING MANAGEMENT LTD, HEAVY MINERAL CONCENTRATES TO CHIMITEC)

WINTER PROGRAM (BOB-01 to BOB-95)

Unit*	# Samples	Remarks
CT	5	
OII	13	
MT	527	
MS	35.5	sample BOB-31-20 straddles contact between MS and LT
LT	69.5	
BK	1	sample BOB-37-23 (bedrock sent to wrong laboratory
Total:	651	

SUMMER PROGRAM (BOB-96 to BOB-133)

CT	3
OII	6
MT	376
MS	13
LT	12
Total:	410

B) BEDROCK SAMPLES (TO CHIMITEC)

WINTER PROGRAM	98
SUMMER PROGRAM	43
TOTAL:	141

* This compilation based on field designations equivalent to those given in the Drilling Summary and on Drill Hole Sections, but see also Section 3.1 in text.

3. OVERBURDEN RESULTS

3.1 Presentation of Drill Hole Sections

The first objective of the drill hole sections is to show the local Quaternary stratigraphy (Maps 2 to 9; see Map 1 for key to sections). Although a few minor changes were made to the field logs based on hole to hole correlations during their construction, the stratigraphy presented is essentially a field interpretation.

The drill holes are plotted at nominal distances of 400 m (for most holes) and 200 m (for follow-up holes) and not at their precise positions as determined by chaining. The collar elevations were estimated from the topographic map and from field notes.

From these sections, the following introductory remarks are drawn:

i) overburden depths on the east side of the Burntbush River are, on average, greater than on the west side (see also Fig. 3-1). This confirms our previous interpretation using airborne VLF-EM results, and justifies our having traversed this area at greater spacing during the summer 1986 field season (see COGEMA Ref. No. 86-CND-47-02).

ii) this thicker overburden is due mostly to a thick blanket of till. We had previously thought that the thicker overburden would be due to glaciolacustrine clays, as is the case on many properties in the "Casa Berardi area".

iii) a thin veneer of Cochrane Till is everywhere present. This result was not expected, most maps published up to now draw the limit of the Cochrane advance just north of the property. However, we have previously reported that boulders and cobbles "are numerous and can be found almost anywhere when the grubhoe is used diligently" (COGEMA Ref. No. 86-CND-47-02, p.8), indicating that this could have been deduced earlier.

iv) pre-Wisconsinan units (Missinaibi Sediments and Lower Till) were logged in several holes, mostly on the eastern side of the property.

Further discussion of this last remark is necessary, and important revisions of the field interpretations are presented below. These revisions have not been indicated on the drill sections, which were previously noted to represent <u>field</u> interpretations.

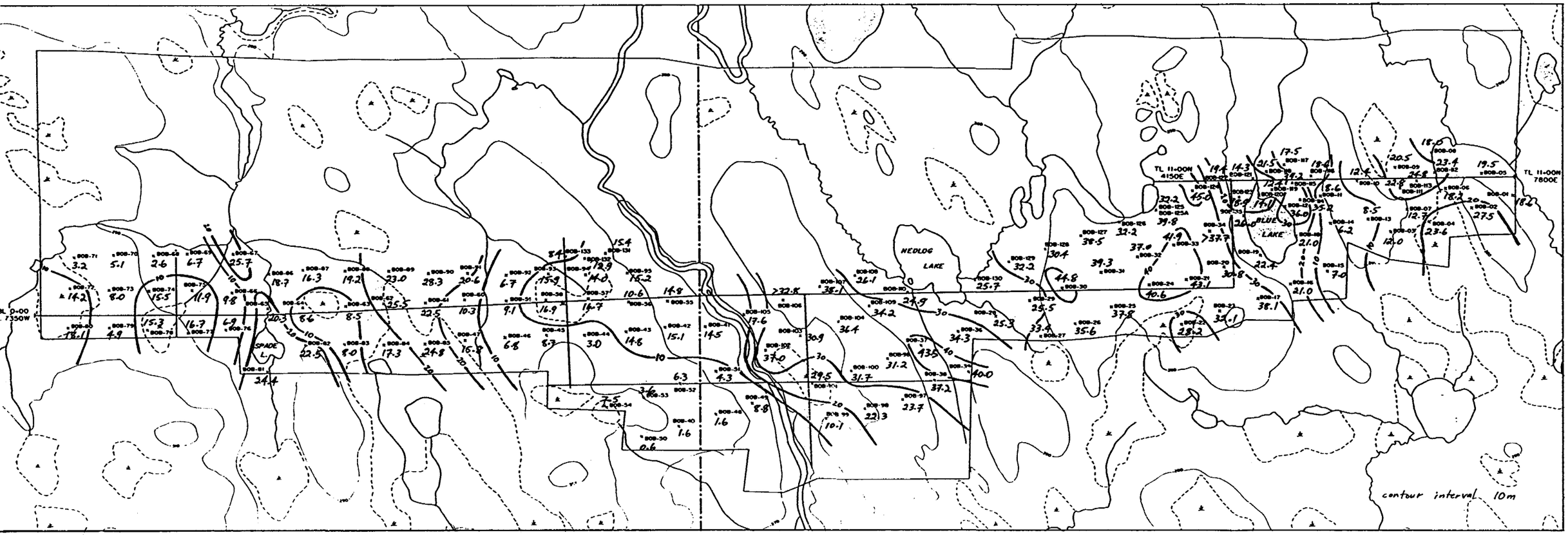

Figure 3-1 : Overburden Thicknesses on the Burntbush River Property.
Scale 1:40 000

For example, on section G-G' (Map 8), we have logged Lower Till in holes BOB-89, 90, 91 and 93. This interpretation is suspect for three reasons: 1) Lower Till is known to be preserved generally only in deep bedrock depressions, preferably oriented ~ east-west, 2) the two tills are separated by only a thin veneer of sediments, and furthermore, 3) in hole BOB-90, the "Lower Till" is underlain by more sediments. It is probable that this thin unit of sediments indicates a minor interstadial period, and that the main Wisconsinan ice sheet retreated briefly from this area.

Further evidence of a minor retreat and subsequent readvance is present on the east side of the river, and is illustrated by a north-south section including holes BOB-125, 33, 21 and 22 (see Fig. 3-2). On this section, we drilled abundant fine sands, thought to be of glaciolacustrine origin (note the fining upward sequence in the southern part). It is now possible to recognize on the airphotos, though, a weakly developed esker north of hole BOB-125. This esker has been partly reworked and in hole BOB-21, we are able to see the buried esker, a till overlying it, and sediments deposited by the rejuvenated esker near the top of the section.

This esker appears to be of late-Wisconsinan, but pre-Cochrane age. Most Cochrane eskers near here trend close to southeast (eg just west of the Burntbush River, see Map 4 in COGEMA Ref. No. 86-CND-47-02), whereas this esker trends close to north-south and is overlain by a thin veneer of Cochrane Till.

We conclude from these results that two tills of Wisconsinan age (excluding the very late Wisconsinan Cochrane Till) have been drilled on the property. The older Wisconsinan till may correlate with "classical" Matheson Till, while the younger till would be due to a minor late Wisconsinan readvance. These results seem to agree with those of Veillette (1986), who proposes a shift in ice-flow direction in late Wisconsinan time. Perhaps this change in ice-flow direction correlates with this late Wisconsinan readvance.

Lower Till interpreted to occur in drill holes adjacent to this section (holes BOB-23, 24, 25, 31, 32, 34, 124, 126, 128, 129) may therefore be re-interpreted as Matheson Till.

A second buried esker of Wisconsinan age might also be postulated just west of Nedlog Lake (holes BOB-36, 37, 104, 107, 109) on similar grounds, but with no subsequent development of a "rejuvenated" esker.

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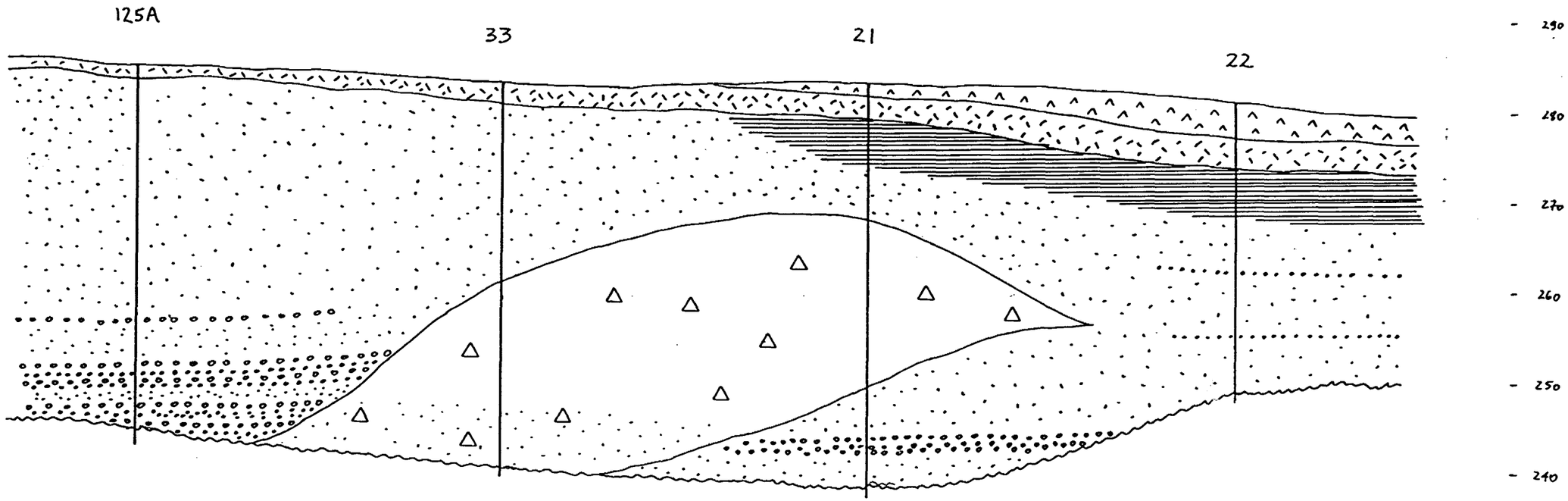

Figure 3-2 : Drill Section L-L'. See Map 1 for section location. Horizontal scale 1:5000, vertical scale 1:500, vertical exaggeration 10X.

Other holes which were thought to contain Lower Till are BOB-01, 02 and 12. It is now believed that the Lower Till in hole BOB-12 are sands and gravels similar to those logged in the adjacent hole BOB-114. Due to the significant numbers of gold grains in these holes (see next section), these samples were studied under the binocular microscope by S. Averill (of ODM) and he confirms them to be such. In the area of holes BOB-01 and 02, a glance at section A-A' shows that Ojibway II clays in hole BOB-04 are at the same elevation as "Ojibway I" clays in these two holes. Thus, a late Wisconsinan till overlies Ojibway II clays in holes BOB-01 and 02.

In summary, it seems very probable that no Lower Till was intersected in our drilling, and that two Matheson Tills are present. Much of the sands and gravels drilled are part of the Ojibway II glaciofluvial unit, and not of pre-Wisconsinan age. Perhaps the only pre-Wisconsinan materials drilled on the property are in the lower sections of holes BOB-12, 114 and 115 (Missinaibi Sediments glacio-fluvial unit), where the steepest bedrock topography is present.

3.2 Sample Results

Our overburden samples were sent to ODM laboratories in Nepean, Ont. (holes BOB-01 to BOB-95, winter program) and Rouyn, Que. (holes BOB-96 to BOB-133, summer program). This initial sample treatment yields a variety of data (see Appendix II for a procedural summary and a full listing of their results) but the most important work they perform is gold grain counts and the preparation of a heavy mineral concentrate (HMC).

The purpose of gold grain counts is to detect by physical means any mechanical dispersion train present. The HMC is analyzed in an effort to detect gold which is too fine to physically (visually) detect, and/or to check for fine gold occluded in sulfide minerals. Commonly, though, a high gold value in the HMC is due to a single coarse grain (nugget effect) and the gold grain count can eliminate most of these "anomalies" at an early stage.

The results of the gold grain counts (raw data) have been added to the field logs and are plotted on the drill sections. Also, the results are summarized in Table 3-1 and a plan map showing the total number of gold grains found in all samples of each drill hole is shown in Figure 3-3.

Table 3-1 : GOLD GRAIN COUNTS - A SUMMARY

WINTER PROGRAM (BOB-01 to BOB-95)

# samples (overburden)	650	
# samples with Au grains	188 (29%)	
# Au grains	361	
Average # Au grains/sample having Au grains	1.9	
# of samples with 1 Au grain	132	(20% of total samples) (70% of samples with Au grains)
# of samples with 2-4 Au grains	41	(6% of total samples) (22% of samples with Au grains)
# of samples with 5 or more Au grains (2 samples have more than 10 grains)	15	(2% of total samples) (8% of samples with Au grains)

SUMMER PROGRAM (BOB-96 to BOB-133)

# samples (overburden)	410	
# samples with Au grains	218 (53%)	
# Au grains	560	
Average # Au grains/sample having Au grains	2.6	
# of samples with 1 Au grain	120	(29% of total samples) (55% of samples with Au grains)
# of samples with 2-4 Au grains	55	(13% of total samples) (25% of samples with Au grains)
# of sample with 5 or more Au grains (no samples have more than 10 grains)	43	(11% of total samples) (20% of samples with Au grains)

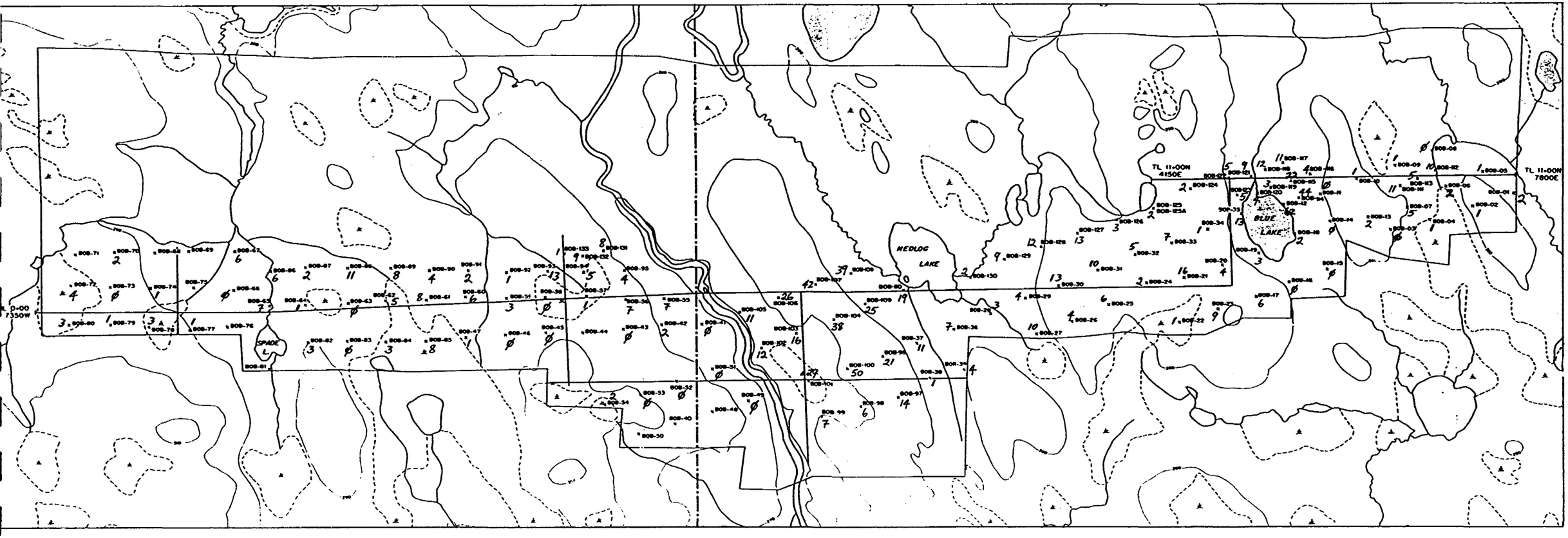

Figure 3-3 : Total Gold Grain Counts for Overburden Drill Holes. Scale 1:40 000

From Table 3-1, we see that significantly more gold grains were counted (relative to the number of samples taken) from the summer program (Rouyn lab) compared to the winter program (Nepean lab). This makes comparison of results from the two programs more difficult. We might suggest that samples from the winter program carrying 2 or more gold grains (8% of total samples) are equivalent to samples from the summer program which carry 5 or more gold grains (11% of total samples). Meanwhile, Figure 3-3 shows that there is some correlation between total gold grain counts and overburden thickness (compare with Figure 3-1). Thicker overburden sections are producing higher total grain counts.

As noted in Appendix II, the gold grains are eventually returned to the non-magnetic portion of the HMC. But first, the dimensions of each grain are recorded, and from this a "calculated ppb" is estimated for each sample. This value can be compared with the analytical result to help identify those results which are due to free gold only from those which might be due to fine and/or occluded gold (see later).

Using the grain dimensions, we have constructed comparative histograms of gold grain volumes counted in the Nepean and Rouyn laboratories. Figure 3-4 shows that the Rouyn lab was capable of detecting more fine gold than the Nepean lab, which helps explain the differences observed in Table 3-1.

Also, the form (degree of rounding) of each individual grain is recorded. The form of a gold grain is believed to be related to its distance of transport (Averill and Zimmerman, 1986; see Fig. 3-5). This concept does not take into consideration the possibility of a gold grain being released from a boulder already removed from its source, nor are the stated transport distances particularly well documented.

Of 926 gold grains counted in overburden samples from the two programs, nearly every grain was abraded. No rounded grains were found, thirty-one grains were classed as irregular and four grains were classed as delicate. Figure 3-6 shows the distribution of irregular and delicate grains.

After these studies are completed, and when the HMC is ready for analysis, the sample is split into two parts, and one part is sent to CHIMITEC Ltee. The non-magnetic HMC is analyzed by neutron activation for Au plus 33 other elements and for Cu by atomic absorption. A procedural summary and a complete listing of results is given in Appendix III.

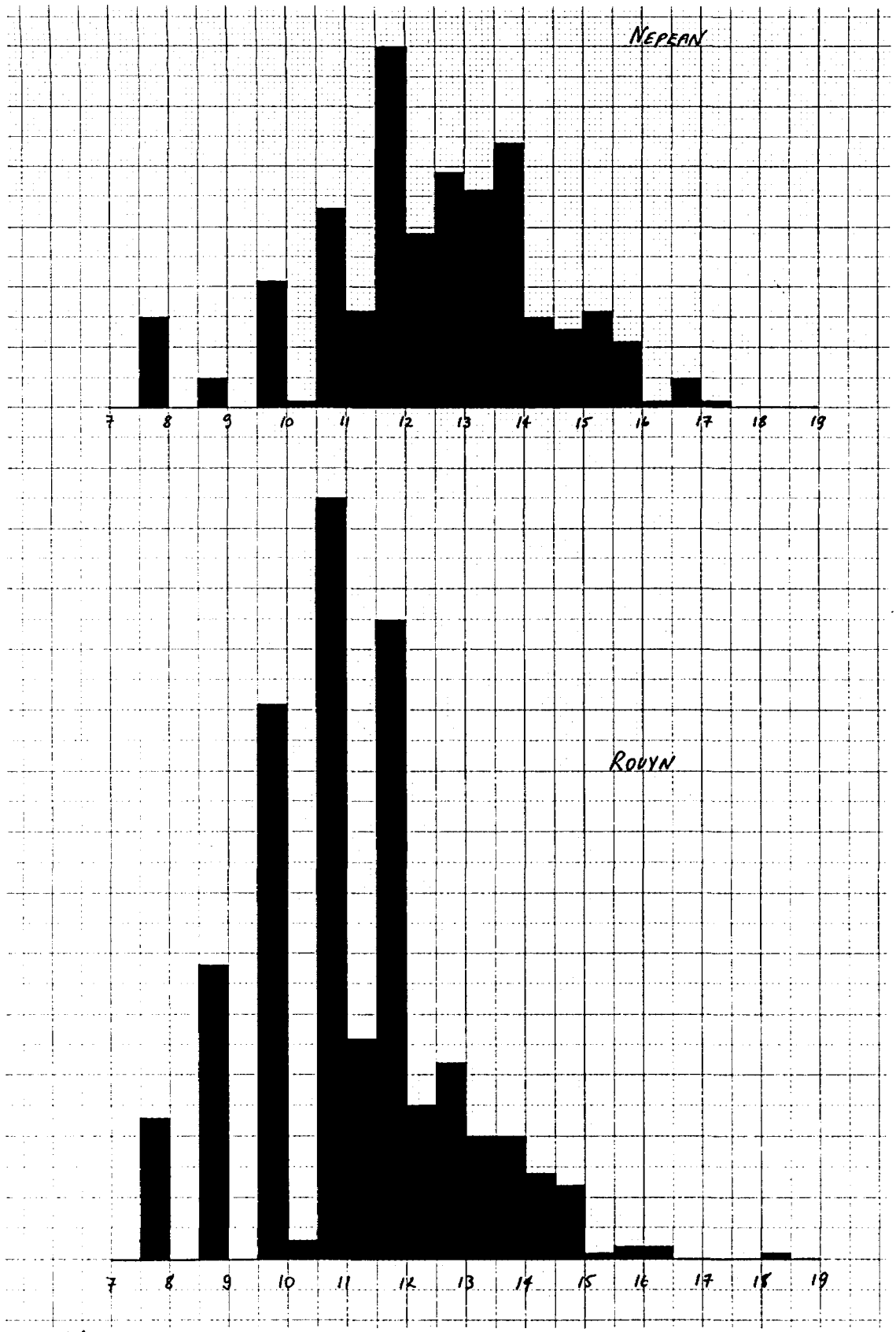

Figure 3-4 : Comparative Histograms of Gold Grain Volumes Reported by ODM from the Winter (Nepean lab) and Summer (Rouyn lab) Programs. The volumes are in $\ln\mu^3$ (natural logarithm of the product of the three estimated dimensions of each grain). The vertical (frequency) scale is 1 grain/mm

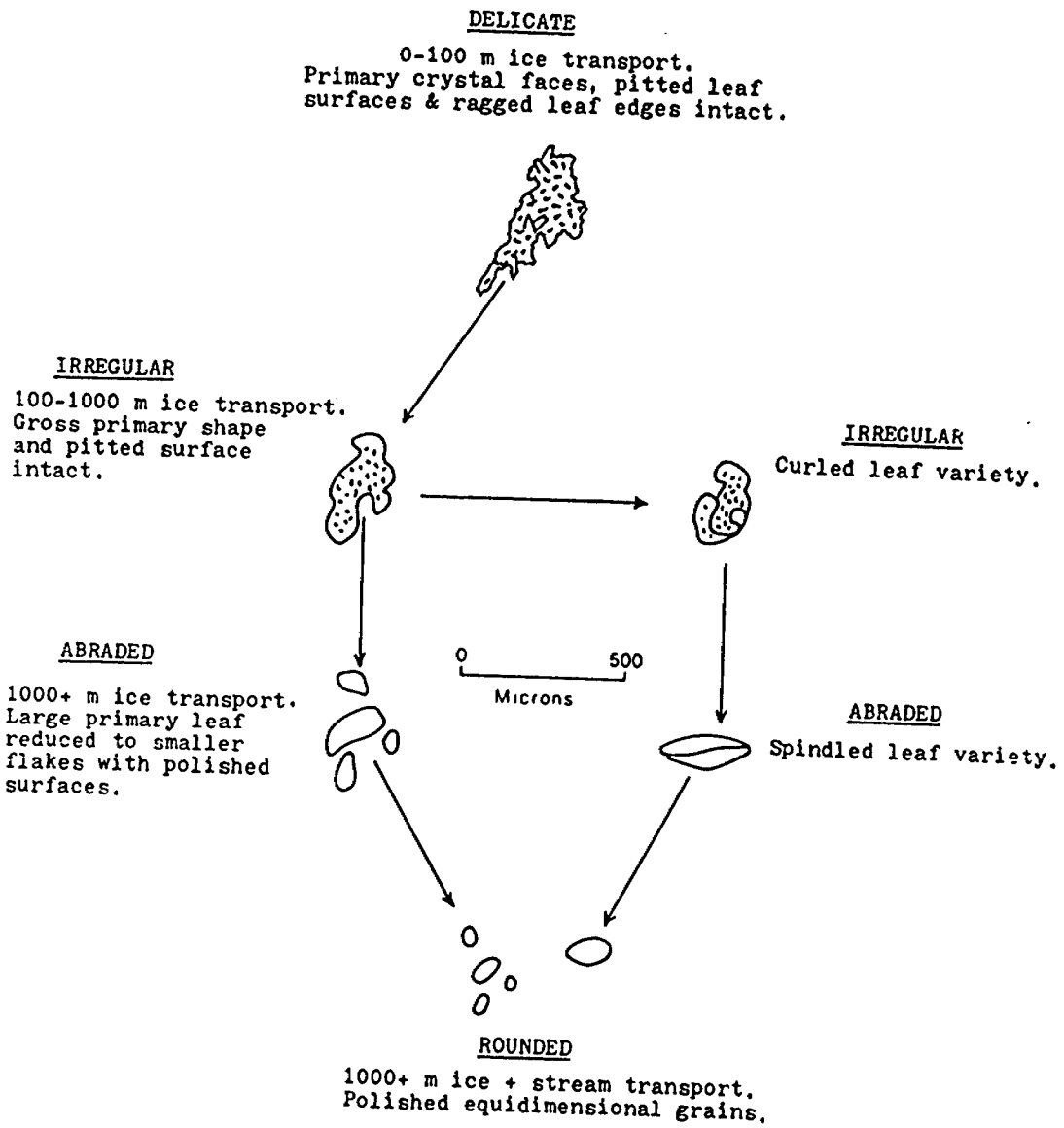

Figure 3-5 : Effects of Glacial Transport on Gold Particle Size and Shape (Developed by ODM)

= 1 irregular grain

= 1 delicate grain

indicates sample near base of Quaternary Section

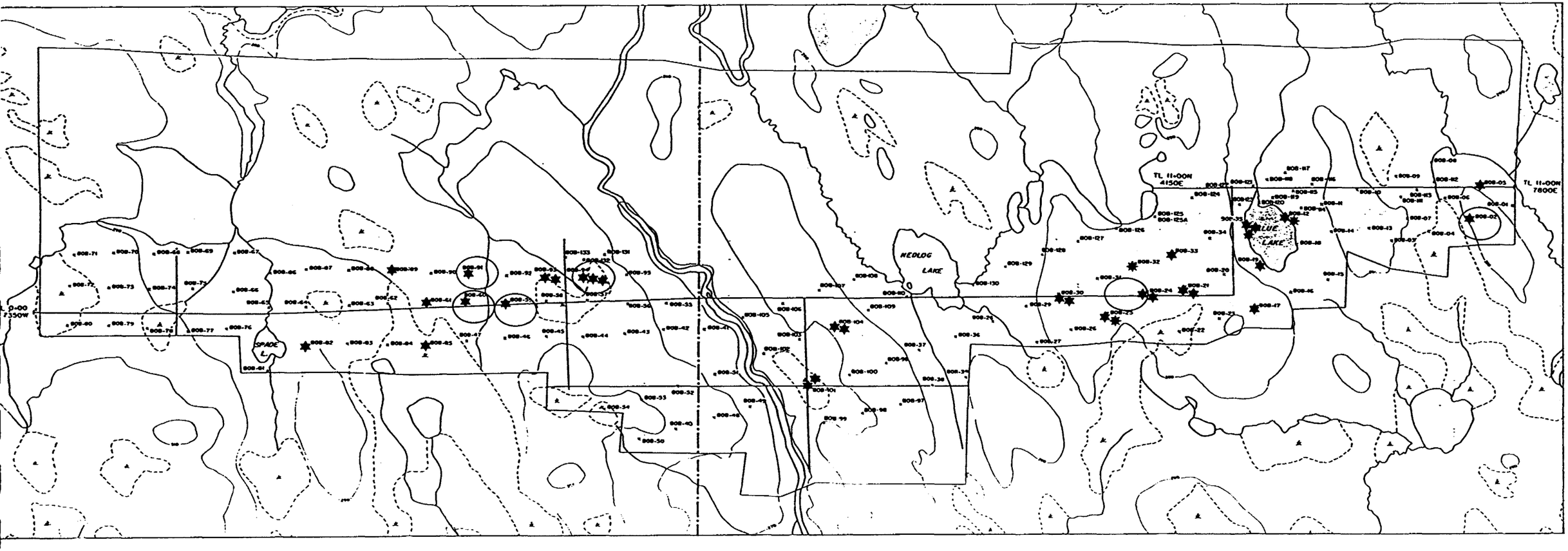

Figure 3-6 : Distribution of Irregular and Delicate Gold Grains. Scale 1:40 000

Au results range from very low (below detection limits) to 24 900 ppb (sample BOB-122-03). Although this result sounds very interesting, it is due mostly to a single coarse abraded nugget detected during sample treatment. The "calculated ppb" of this nugget is 21 204 ppb. This is an example of the precision between "calculated" and analytical results. In fact, a correlation coefficient of 0.85 was obtained when "calculated" and analytical results for gold were compared (for samples carrying detected gold grains).

The high correlation is even more surprising when we consider the implications of the actual procedures involved. Remember that the HMC is split into a 3/4 (analyzed) fraction and a 1/4 (retained) fraction. Some of the gold grains are certain to fall into the retained fraction such as probably happened in the case of sample BOB-56-03 where the "calculated ppb" was 9443 ppb and the analytical result was 794 ppb (total of 5 gold grains summed in "calculated ppb").

The other elements analyzed for are listed in Table 3-2. Of all of these, As seems to give the only meaningful results for this program. The first evidence of this are the contrasting As values in holes BOB-01 and 02 from two different till sheets separated by a glacio-lacustrine clay horizon. Table 3-3 summarizes these results.

Table 3-2 : SUMMARY OF THE OTHER ELEMENTS ANALYZED FOR IN HEAVY MINERAL CONCENTRATES

ELEMENT	MEAN*	STANDARD DEVIATION	N*	DETECTION LIMIT	COMMENTS
Sb	0.5	0.2	982	0.1 ppm	no anomalous results associated with high Au values, results too uniform to be useful
As	27.5	36.2	940	0.5 ppm	no anomalous results associated with high Au values, probable stratigraphic use to separate two Wisconsinan tills
Ba	146	45	63	50 ppm	too few results above detection limit
Cd	16	7	39	5 ppm	too few results above detection limit
Cs	1.3	0.5	94	0.5 ppm	too few results above detection limit
Cr	871	158	1060	20 ppm	could be tested for stratigraphic use
Co	125	63	1060	5 ppm	could be tested for stratigraphic use
Eu	8	2	1060	1 ppm	results too uniform to be useful
Hf	251	69	1060	1 ppm	could be tested for stratigraphic use, high correlation with Zr, U
Ir	--	--	0	50 ppm	no results above detection limit
Fe	22.4	2.5	1060	0.2%	could be tested for stratigraphic use

(cont'd)

Table 3-2 : SUMMARY OF THE OTHER ELEMENTS ANALYZED FOR IN HEAVY MINERAL CONCENTRATES

(cont'd)

ELEMENT	MEAN*	STANDARD DEVIATION	N*	DETECTION LIMIT	COMMENTS
La	423	126	1060	2 ppm	could be tested for stratigraphic use, high correlation with Th, Ce, Tb, Yb, Lu
Mo	5	7	456	1 ppm	no anomalous results associated with high Au values, most results below detection limit
Ni	94	45	939	20 ppm	could be tested for stratigraphic use
Rb	19	8	257	5 ppm	most results below detection limit
Sc	87.7	10.7	1060	0.2 ppm	could be tested for stratigraphic use, high correlation with Yb
Se	14	1	2	5 ppm	too few results above detection limit
Ag	9	0	1	2 ppm	too few results above detection limit
Ta	24.2	26.3	1060	0.5 ppm	could be tested for stratigraphic use
Tb	8.7	1.7	1060	0.5 ppm	could be tested for stratigraphic use, high correlation with La, Th, Ce, U, Yb, Lu
Th	188.5	73.6	1060	0.2 ppm	could be tested for stratigraphic use, high correlation with La, Ce, Tb, U, Yb, Lu

(cont'd)

Table 3-2 : SUMMARY OF THE OTHER ELEMENTS ANALYZED FOR IN HEAVY MINERAL CONCENTRATES

(cont'd)

ELEMENT	MEAN*	STANDARD DEVIATION	N*	DETECTION LIMIT	COMMENTS
W	46	115	864	1 ppm	some high results in Missinaibi gravels with Au, danger of contamination from tungsten carbide drill bits
U	21.7	4.9	1059	0.2 ppm	could be tested for stratigraphic use high correlation with Hf, Zr, Th, Tb
Yb	32	5	1059	2 ppm	could be tested for stratigraphic use, high correlation with Lu, Ce, La, Th, Tb, Sc
Zn	177	46	695	100 ppm	no anomalous results associated with high Au values, could be tested for stratigraphic use
Ce	745	214	1060	5 ppm	could be tested for stratigraphic use, high correlation with La, Th, Tb, Lu, Yb
Na	0.38	0.26	756	0.02%	could be tested for stratigraphic use
Sn	245	74	422	100 ppm	no anomalous results associated with high Au values, most results below detection limit
Te	41	13	321	10 ppm	no anomalous results associated with high Au values, most results below detection limit
Zr	12330	3319	1060	200 ppm	could be tested for stratigraphic use, high correlation with Hf, U

(cont'd)

Table 3-2 : SUMMARY OF THE OTHER ELEMENTS ANALYZED FOR IN HEAVY MINERAL CONCENTRATES

(cont'd)

ELEMENT	MEAN*	STANDARD DEVIATION	N*	DETECTION LIMIT	COMMENTS
Br	5.9	3.2	574	0.5 ppm	could be tested for stratigraphic use
Lu	5.3	0.9	1059	0.2 ppm	could be tested for stratigraphic use, high correlation with Yb, Ce, La, Th, Tb
Sm	62.14	18.73	1060	0.05 ppm	could be tested for stratigraphic use
Cu	115	71	1060	1 ppm	no anomalous results associated with high Au values, could be tested for stratigraphic use

* arithmetic mean used; only results above detection limit used in this table, N = number of results above detection limit; total number of samples is 1060.

Table 3-3 : As RESULTS FROM HEAVY MINERAL CONCENTRATES FROM TWO TILLS IN HOLES BOB-01 and BOB-02

YOUNGER TILL

Sample #	As (ppm)	Sample #	As (ppm)
01-01	2	02-01	7
-02	3.9	-02	28
-03	22	-03	33
-04	16	-04	34
-05	78	-05	16

OLDER TILL

Sample #	As (ppm)	Sample #	As (ppm)
01-06	98.8	02-06	38
-07	57.8	-07	91.6
-08	68.5	-08	196
-09	73.4	-09	49
		-10	54.8

3.3 Discussion of Background and Threshold Values

Our reverse circulation program generated 1060 overburden samples. This is a large amount of data, most of which, in all probability represent background results. This section discusses how we might differentiate background results from those which are, or may be, indicative of a mechanical dispersion train.

Background and threshold values for gold grains in tills of the northern Abitibi are suggested to be between 200 and 500 grains/m^3, and 2500 grains/m^3, respectively (Averill, 1988). Most of our overburden samples weighed 8 to 10 kg and had an approximate volume of 0.004 to 0.005 m^3. Background till samples would then be expected to carry 0.8 to 2.5 gold grains (assuming all of the gold grains are detected). Similarly, the threshold value can be calculated to be approximately 10 gold grains per sample.

Some published literature describes mechanical gold dispersion from known bedrock occurrences. In all cases, there is little discussion of actual background and threshold values, but examples of anomalous results are given.

Averill and Zimmerman (1984) discovered a dispersion train which led to the discovery of the EP zone at Waddy Lake, Saskatchewan. They used 10 gold grains per sample as a threshold value, but the dispersion train they describe contained 100 gold grains per sample. These samples had HMC assay values of >100 000 ppb Au.

Sauerbrei et al (1987) drilled reverse circulation holes up-ice and down-ice from the Golden Pond discovery in Casa Berardi Township, Quebec. They were able to detect mechanical dispersion of gold in till down-ice from the deposit. They later used the method to test the strike extension of the mineralization and found new anomalies which led to the discovery of the Golden Pond East and West zones.

One anomalous sample they describe contained approximately 700 delicate gold grains and assayed 106 000 ppb Au (in the HMC). This sample proved to be directly adjacent to bedrock mineralization. A much less spectacular result taken at about 400 m down-ice from the deposits contained 7 abraded and 2 irregular grains and assayed 9100 ppb Au (in the HMC).

They also note that most anomalous samples also gave high As values (eg 3060 to 140 000 ppm) and oversized HMCs, rich in pyrite and arsenopyrite (eg 100 g concentrates rather than 10 to 30 g for background samples).

Finally, for gold assays in the HMCs, one of their figures describes results >2000 ppb as being anomalous, 500-2000 ppb as weakly anomalous and <500 ppb as non-anomalous. However, they acknowledge that erratic, isolated values higher up in the Quaternary section are probably not related to the bedrock mineralization.

Some published studies give HMC results but do not give gold grain count results. Harron et al (1987) contoured anomalous HMC assays at 2000 ppb Au and noted results as high as 19 000 ppb for a program near Timmins, Ont. Gleeson and Sheehan (1987) suggested lower threshold values be used at the Doyon and Bousquet deposits but their heavy liquid density was 2.96 (compared to 3.3 for most programs).

In summary, very strongly anomalous till samples should be easy to distinguish. However, criteria to separate weakly anomalous samples (truly indicative of bedrock mineralization) from background samples (especially high background samples) of no value are poorly defined.

3.4 Interpretation of Overburden Results

None of our samples can be described as strongly anomalous. No samples contained abundant delicate or irregular gold grains. Most of the high assays for gold are due to a single coarse gold grain which cannot be presumed to indicate nearby bedrock mineralization. Associated elements results (eg As, Cu, Zn, Sb) are low and do not correlate with the Au results. No oversized HMCs rich in metallic minerals were found.

We have, however, discovered that two Wisconsinan tills (excluding Cochrane Till) are present on the property. The younger till was probably deposited close to the ice front of a minor readvance during late Wisconsinan time. If true, this ice sheet would have been less thick and would have been less capable of significantly eroding the bedrock surface. Therefore, we could postulate that a mechanical dispersion train in this late till might be less evident than in some of the examples reviewed.

For this reason, we have chosen the following threshold values:

i) minimum 5 gold grains per sample, or
ii) >500 ppb Au in the HMC.

Out of the total 1060 samples taken, 194 were selected for further examination using these criteria. Most were eliminated as non-anomalous based on the following observations:

i) Many high HMC results are due to the presence of a single coarse (eg >500 ppb) gold grain. Such coarse grains occur erratically in tills (Averill, 1988). A few samples even contained two coarse (eg >500 ppb), abraded gold grains.

ii) In other cases, a moderately high HMC result was shown to be due to well-travelled, background grains not coarse enough to (by themselves) cause a 500 ppb result.

iii) Isolated high HMC results from the near-surface in areas of thick overburden were assumed to be caused by background grains (or, perhaps, a single coarse nugget) that were not detected during sample treatment.

iv) Samples with more than 5 grains but with HMC results <500 ppb were also eliminated and interpreted to be high background samples. Most of these samples have only 5 to 7 grains and were drilled in summer (Rouyn lab).

Using these guidelines, nearly all of the 194 samples were classed as non-anomalous, high background or erratic values. A few samples, though, could not be easily rejected and these were classed as possibly anomalous. In most cases, analyses of the 1/4 (retained) split of these samples was requested. All possibly anomalous samples are discussed below, and results of the second analyses are given.

Area 1 (east of Blue Lake)

Sample #	# gold grains	calc ppb (of gold grains)	HMC assay ppb (3/4 split)	2nd assay ppb (1/4 split)
BOB-06-02	2	2877	7410	23
BOB-07-05	0	0	1850	622
BOB-02-09	1	2539	1090	<18
BOB-04-03	1	4296	1600	---

Each of these samples was taken at or near the base of the Quaternary section. Stratigraphic considerations and As geochemistry suggest that the samples come from the older Matheson Till.

Hole BOB-06 is located southeast of a short electromagnetic conductor which was drilled in 1976 by Geophysical Engineering Ltd. A few short sections of massive pyrrhotite and pyrite were drilled along with quartz and quartz-carbonate veins. Assays over 8 to 13 foot lengths (2.4 to 4.0 m) returned "nil" gold values.

The basal sample from hole BOB-06 contained two gold grains; both are abraded and one is very coarse (accounting for 2527 ppb by itself). Both gold grains are probably well-travelled background grains, but the HMC assay is quite high relative to the expected result. Since the HMC was rich in pyrite (~35%), the high result may be due to fine or occluded gold. Analysis of the 1/4 split gave a result of 23 ppb. This suggests that no fine or occluded gold is present in the sample, i.e. the calculated ppb of the detected grains was underestimated, or an additional coarse grain was missed during sample treatment.

Hole BOB-07 (located at ~400 m west-southwest of hole BOB-06) gave one sample with a HMC result of 1850 ppb, but contained no visible gold and very few sulfide minerals. A second analysis was requested to determine whether the result was erratic (i.e. due to undetected gold grain(s), or was perhaps due to abundant fine gold. This second analysis gave a result of 622 ppb. Although this result is higher than the threshold of 500 ppb which we used, it is much lower than the first analysis. This strongly suggests that a few background gold grains were missed during sample treatment. This sample, though, is classed as possibly anomalous as it may be indicative of a weak dispersion train carrying fine gold.

Holes BOB-02 and BOB-04 are at ~400 m down-ice from holes BOB-06 and BOB-07, respectively. In both cases, the HMC result is much lower than the expected value estimated from the volume of single coarse grains. The low value may indicate that the coarse grains remained in the 1/4 split, and that abundant fine gold (or an undetected second coarse grain) is present in the sample. Alternatively, the low assay may be due to an imprecise volume estimate and/or INA shielding. A second assay on sample BOB-02-09 gave a result of <18 ppb. This result shows that no fine gold anomaly is present.

Area 2 (northeast corner of Blue Lake)

Sample #	# of gold grains	calc ppb	HMC assay ppb
BOB-12-09	8	3260	1490
BOB-12-12	19	7568	6020
BOB-12-15	7	489	373
BOB-12-16	13	593	868
BOB-12-17	1	82	764
BOB-114-09	4	2561	1490
BOB-114-10	8	1006	160
BOB-114-11	3	794	1390
BOB-114-12	6	1216	1900
BOB-115-15	1	291	5360

These samples were taken from buried glaciofluvial sands and gravels of pre-Wisconsinan age (Missinaibi Sediments), except BOB-12-09 which is a basal till sample of the same (slightly reworked) material. All of the discussion presented on background and thresholds deals with tills, and we are not certain that similar thresholds can be applied to this unit.

Most of the gold grains in these samples are relatively coarse and of uniform size. These samples suggest the presence of a low grade, buried placer deposit. It is not improbable that coarse gold of unknown provenance was concentrated out of older tills into these gravels.

Due, however, to the restricted distribution of these sediments, and the local steep bedrock topography, it might be unwise to categorically conclude that these results have no exploration significance.

Area 3 (west-northwest of camp)

Sample #	# of gold grains	calc ppb	HMC assay ppb	2nd assay ppb
BOB-93-04	7	1092	1110	160
BOB-94-07	3	360	1100	180
BOB-132-05	1	2608	1420	56
BOB-58-03	0	0	1520	<21

These samples were all taken at or near the base of the Quaternary section. As geochemistry might suggest that these samples come from the younger, late Wisconsinan till.

Sample BOB-94-07 contained 3 gold grains of similar grain size, and all were classed by ODM as irregular. The HMC assay result was higher than expected, and so a second analysis was requested. The new result is 180 ppb.

Sample 93-04 contained 5 abraded and 2 irregular grains and is located 400 m west of hole BOB-94. This sample contains a 1 m section of sorted sandy gravelly material, which renders interpretation of the result more difficult. However, a second analysis was requested which gave a result of 160 ppb.

Second analyses were also requested from BOB-58-03 and 132-05. These results also show low values.

We interpret from these results that no important dispersion train has been intersected in this area.

Other possibly anomalous samples

Sample #	# of gold grains	calc ppb	HMC assay ppb	2nd assay ppb
BOB-34-12	0	0	1600	25
BOB-34-15	0	0	1470	41
BOB-64-03	0	0	5400	<20
BOB-74-02	1	587	1240	29
BOB-86-05	4	2749	3300	59
BOB-89-09	0	0	2500	<18
BOB-101-14	4	514	1030	590
BOB-104-18	7	703	1450	43

These samples come from at or near the base of the Quaternary section and are scattered (more or less) across the property. Second analyses of the 1/4 split were requested to check for the possibility of abundant fine gold. In all cases except one, the second analysis gives a very low result which rules out the possibility of a fine gold anomaly. But, similar to sample BOB-07-05 (discussed earlier), sample BOB-101-14 gives a result over 500 ppb, but significantly lower than the first analysis. This sample is classed as possibly anomalous.

In summary, the results of the overburden sampling show no clearly defined anomalies. The best results come from Missinaibi sands and gravels from northeast of Blue Lake. But, since we have very limited data from this unit, it is difficult to assess these results.

Although samples BOB-07-05 and BOB-101-14 have been classed as possibly anomalous, the weak response of the second analysis (relative to the first analysis) suggest that only limited, if any, follow-up work is warranted.

4. BEDROCK GEOLOGY

4.1 Introduction

Bedrock chip samples were individually studied under the binocular microscope and these descriptions are given in Appendix IV, along with a full listing of the chemistry results. The chemistry results for ten elements (Ba, Cs, Cr, Co, Fe, La, Rb, Sc, Th, Na) were used together with the descriptions to subdivide the bedrock chip samples into three major groups: metasediments, metagabbros and mafic to intermediate metavolcanics, and finally, felsic to intermediate metavolcanics.

The metasedimentary rock descriptions are all very similar, as are the chemistry results, and this subdivision was quite easy to make. The other rock descriptions show more variation and the chemistry results were useful in subdividing them into units. These units are more heterogeneous and further work will be needed to better subdivide them.

Finally, a new outcrop was discovered on the property adjacent to one of the newly constructed drill roads. This outcrop is described in section 4.6, and chemistry results for one sample (JL-40-1) are given at the end of Appendix IV.

4.2 Metasedimentary Rocks

Bedrock samples taken from the eastern part of the property (eg east of Nedlog Lake) are mostly very similar. These are quartz-feldspar-biotite $\pm$ amphibole $\pm$ garnet schists which are interpreted to be strongly metamorphosed greywackes.

In general, these metasedimentary rocks are fresh and unaltered. A few samples drilled to a rock flour clay, and this may be due to preglacial weathering (eg in hole BOB-12, which was protected by the Missinaibi Sediments unit) or other reasons. Occasional samples contained disseminated pyrite or pyrite in thin quartz veinlets, but overall, the samples are very uniform in appearance.

These samples are identified on MAP 10 as biotite schists (BS). A summary of the chemistry results for 10 elements is given in Table 4-1. Although a few of these samples were difficult to identify because they drilled to clay, their locations and similar chemistry strongly suggest that they are the same rock type (see descriptions in Appendix IV).

Also given in Table 4-1 are average results for two metasediments taken from outcrops JB-7 and JB-8 and two float boulders taken from the Burntbush River. The results are comparable, but the bedrock chip samples carry slightly higher Cr, Co, Fe and Na.

In addition to the abundant greywacke samples, two argillites were drilled, one within the metasedimentary terrane on the east side of the property (BOB-127-21), the other within the metavolcanic terrane west of the Burntbush River (BOB-88-07). These two samples have low Cs, Cr, Co, Fe and Sc contents compared to the greywackes and in some respects more closely resemble the chemistry of those samples taken during the summer 1986 program.

Gold content of the metasedimentary rocks is low. Most samples yield results <2 ppb (detection limit). Eight samples show >5 ppb with a maximum of 9 ppb in BOB-21-18. The maximum arsenic value in the east is 10 ppm (BOB-01-10), while BOB-128-17 gave 6.8 ppm. The argillite sample from the west side (BOB-88-07) gave 11 ppm As. All other metasedimentary rocks show <3 ppm As.

4.3 Metagabbros and Mafic to Intermediate Metavolcanics

Bedrock samples from twenty-two drill holes (total 26 samples) have been tentatively identified as metagabbro. It is probable that some of these rocks are flows, but the size of the bedrock chips makes identifications difficult. They are composed predominantly of feldspar and amphibole; biotite and quartz were observed in a few samples. Most are massive to very weakly foliated and some show a lineation.

These metagabbros (MG) are also shown on MAP 10 and it can be seen that their distribution is somewhat erratic. There is good grouping of metagabbro south and southeast of trench 2, but isolated drill holes across the metavolcanic terrane have also been labelled metagabbro. Note that four metagabbros were mapped in outcrop (at trenches 1, 2 and 3 and outcrops JL-17) and that each is associated with relatively high magnetic signature. Not all of the bedrock chip samples identified as such fall in high magnetic areas, though.

Table 4-1 : METASEDIMENTARY ROCKS - SUMMARY OF ANALYTICAL RESULTS

	greywackes $\bar{x} + \sigma_n$ (max,min) n = 55	metasediments summer '86 $\bar{x}$ n = 4	argillites BOB-127 n = 1	argillites BOB-88 n = 1
Ba (ppm)	740 ± 210 (1400,420)	620	580	630
Cs (ppm)	4.1 ± 1.6 (8.1,1.4)	4.4	1.7	1.5
Cr (ppm)	310 ± 62 (460,170)	130	160	160
Co (ppm)	28 ± 5 (40,19)	13	13	12
Fe (%)	4.9 ± 0.7 (6.7,3.4)	3.7	3.1	1.9
La (ppm)	31 ± 18 * (150,17)	20	33	32
Rb (ppm)	85 ± 24 (140,34)	83	71	80
Sc (ppm)	16 ± 2.5 (22.8,11.0)	11.4	10	6.4
Th (ppm)	6.5 ± 2.0 (14,3.2)	6.3	5.4	18.0
Na (%)	2.9 ± 0.5 (4.26,2.01)	1.76	2.48	2.41

* if one value of 150 is omitted, the new mean for La is 29 ± 7 (new maximum value of 57).

In Table 4-2, these "metagabbro" samples are compared with the four metagabbro outcrops using the same ten elements as in Table 4-1.

In all cases, the chemistry results are comparable. There are some differences: for example Cs values at the sheared metagabbro are high, and Fe values at trench 3 are low; La and Th results in the three metagabbros which occur in the northern (high metamorphic) terrane are also low (trench 1 and 2, outcrop JL-17). It is also evident that these ten elements can be used to distinguish these rock types from the metasediments.

The best gold value obtained from the metagabbros drilled was 14 ppb from hole BOB-45. It also gave the highest As result (1.6 ppm). All other gold and arsenic values are less than 10 ppb, and 1 ppm, respectively. However, three adjacent holes (BOB-102, 103, 105) just east of the Burntbush River gave weakly anomalous results of 7 to 8 ppb Au.

The remaining bedrock chip samples have all been identified as metavolcanic rocks. However, the samples are heterogeneous, i.e. they are not easily subdivided into units due to their non-uniform appearance. For this reason we have chosen to subdivide all of the rocks into two major groups: mafic to intermediate metavolcanics and felsic to intermediate metavolcanics.

Mafic to intermediate rocks were distinguished from felsic to intermediate rocks mostly using chemistry results for Fe and Th. Of course, the descriptions were taken into account, and we found that high Fe and low Th rocks were nearly always associated with chip samples identified as intermediate tuffs, while low Fe and high Th samples were nearly always associated with felsic tuffs.

Table 4-3 summarizes the chemistry results for 24 bedrock chip samples which have been classed as mafic to intermediate metavolcanic rocks (MV on MAP 10). When these results are compared with bedrock chip samples identified as metagabbro, it can be seen that the results are quite similar. However, on average, the metavolcanics have slightly lower values for elements associated with mafic minerals (eg Cr, Co, Fe, Sc) and slightly higher values for elements associated with felsic minerals (eg. Ba, Cs, La, Rb, Th, Na). This suggests that in general, we have been able to separate more mafic rocks from rocks closer to an intermediate composition quite well using the binocular microscope.

Also shown on Table 4-3 are chemistry results for other metavolcanic rocks from outcrops within the property.

Table 4-2 : METAGABBROS - SUMMARY OF ANALYTICAL RESULTS

	"metagabbros" bedrock chips $\bar{x} + \sigma_n$ (max,min) n = 25	metagabbro trench 1 $\bar{x}$ (max,min) n = 5	metagabbro outcrop JL-17 $\bar{x}$ (max,min) n = 6	sheared metagabbro trench 2 $\bar{x} + \sigma_n$ (max,min) n = 50	metagabbro trench 3 $\bar{x}$ (max,min) n = 5
Ba (ppm)	190 ± 80 (230,<50)	100 (190,<50)	150 (220,54)	90 ± 90 * (610,<50)	170 (410,86)
Cs (ppm)	1.7 ± 1.3 (5.9,<0.5)	1.0 (3.0,<0.5)	1.9 (3.3,0.6)	7.0 ± 14 * (96.4,0.8)	1.6 (3.8,<0.5)
Cr (ppm)	230 ± 130 (580,72)	160 (220,64)	380 (1100,24)	330 ± 110 (560,170)	200 (280,73)
Co (ppm)	50 ± 24 (140,19)	33 (37,29)	33 (43,22)	42 ± 6 (53,27)	29 (39,19)
Fe (%)	9.2 ± 2.1 (13.0,6.0)	9.2 (12.0,7.5)	8.4 (11.0,5.5)	9.4 ± 0.9 (12.0,6.8)	6.2 (7.3,5.0)
La (ppm)	12 ± 4 (28,5)	5 (7,2)	4 (5,3)	3 ± 1 (7,<2)	13 (18,9)
Rb (ppm)	24 ± 11 (28,5)	18 (39,<5)	38 (59,10)	21 ± 29 * (170,<5)	31 (88,10)
Sc (ppm)	29 ± 8 (49.2,18.0)	36 (44.8,30.4)	32 (34.7,25.6)	42 ± 5 (51.7,29.3)	26 (34.5,17.0)
Th (ppm)	1.0 ± 0.5 (2.3,0.3)	0.3 (0.4,<0.2)	0.3 (0.8,<0.2)	0.2 ± 0.2 (1.1,<0.2)	0.8 (1.5,0.5)
Na (%)	2.0 ± 0.7 (3.50,0.64)	2.0 (2.9,1.0)	1.5 (1.9,1.1)	1.6 ± 0.4 (2.36,0.55)	3.3 * (3.99,1.3)

* if one value of 610 is omitted, the new mean for Ba is 80 ± 50 (new maximum value of 260).

* if one value of 96.4 is omitted, the new mean for Cs is 5.2 ± 7 (new maximum value of 36.0).

* if one value of 170 is omitted, the new mean for Rb is 18 ± 20 (new maximum value of 120).

* for Na at trench 3, n = 4.

Table 4-3 : MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS - SUMMARY OF ANALYTICAL RESULTS

	metavolcanics bedrock chips $\bar{x} \pm \sigma_{n-1}$ (max,min) n = 24	pillowed basalts trench 1 $\bar{x} \pm \sigma_{n-1}$ (max,min) n = 17	pillowed andesites trench 4 $\bar{x}$ (max,min) n = 7	dacitic tuffs trenches 3, 5 $\bar{x}$ (max,min) n = 12
Ba (ppm)	225 ± 90 (430,120)	105 ± 75 (280,<50)	113 (230,67)	330 (690,75)
Cs (ppm)	2.0 ± 1.0 (5.0,0.8)	1.1 ± 1.4 (5.8,<0.5)	2.5 (4.0,1.5)	1.6 (3.7<0.5)
Cr (ppm)	210 ± 100 (510,57)	230 ± 130 (680,64)	85 (140,48)	20 (58,<20)
Co (ppm)	36 ± 15 (75,7)	33 ± 7 (43,21)	26 (41,20)	12 (18,8)
Fe (%)	7.5 ± 1.5 (11.0,5.3)	8.6 ± 1.2 (12.0,6.4)	5.6 (9.1,4.5)	5.4 (12.0,3.0)
La (ppm)	16 ± 6 (31,10)	5 ± 2 (9,3)	11 (13,10)	12 (18,9)
Rb (ppm)	37 ± 16 (84,17)	18 ± 15 (66,<5)	15 (23,8)	31 (62,3)
Sc (ppm)	23 ± 6 (35.2,11.0)	37 ± 7 (45.3,26.2)	20 (31.7,16.0)	11 (18.0,7.3)
Th (ppm)	1.3 ± 0.7 (2.8,0.4)	0.3 ± 0.2 (1.0,<0.2)	0.8 (1.1,0.7)	1.5 (2.2,1.1)
Na (ppm)	2.3 ± 0.8 (4.34,0.58)	1.9 ± 0.4 (2.5,1.1)	3.0 * (3.54,2.58)	2.1 * (2.91,0.84)

* for Na at trench 4, n = 3; at trenches 3, 5, n = 10

The best gold value obtained from these mafic to intermediate metavolcanic rocks is 31 ppb in hole BOB-58. This drill hole is located very close to a northwest trending fault, and just north of where this fault intersects a second, east-west trending, fault. Three other samples gave results of 12 to 13 ppb Au (BOB-51-03, 65-05, 67-08). Arsenic values are all <3 ppm.

4.4 Felsic to Intermediate Metavolcanic Rocks

Using descriptions in Appendix IV, and using chemistry results (summarized in Table 4-4), we have classed all of the remaining bedrock chip samples as felsic to intermediate metavolcanic rocks.

Five of the drill holes, however, intersected a distinctive reddish coloured quartzo-feldspathic rock type which can be easily separated from the other felsic to intermediate rocks. It is described as porphyritic, carrying rounded to slightly elongate quartz eyes and generally also carrying feldspar phenocrysts. These samples are identified as felsic crystal tuffs (XT) on MAP 10, but it may be a flow rock since the groundmass is very fine grained to aphanitic.

All of these samples were taken along drill section E-E', at the far western end of the property and are associated with low magnetic signature. They have very low Cr, Co and Fe values and high Ba and Na values (see Table 4-4), and are therefore easily distinguished from the metasedimentary and more mafic metavolcanic rock types using the chemistry results.

Three additional samples of feldspar crystal tuff were taken from low magnetic areas at the far western end of the property. These samples lack the distinctive reddish colour of those described above, but they too, show very high Na values. However, they probably represent a different or related subunit of the felsic crystal tuffs described above since important chemistry differences are apparent (eg lower Ba, higher Cr, Co, Fe, Sc and Th; see Table 4-4).

On MAP 10, these three drill holes are also labelled felsic crystal tuffs (XT); they can be differentiated from the previous five reddish-coloured tuffs since they do not fall on section E-E'.

Table 4-4 : FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS - SUMMARY OF ANALYTICAL RESULTS

	felsic crystal tuffs $\bar{x}$ (max,min) n = 5	feldspar crystal tuffs $\bar{x}$ (max,min) n = 3	felsic tuffs $\bar{x}$ (max,min) n = 4	int. tuffs $\bar{x}$ (max,min) n = 4	int. to felsic flows or tuffs $\bar{x}$ (max,min) n = 9	BOB-101-16 x n = 1
Ba (ppm)	1360 (1500,1200)	705 (930,330)	1300 (1500,1100)	720 (860,600)	450 (730,220)	1200
Cs (ppm)	3 (4.4,1.7)	1.9 (2.9,1.3)	8.5 (12.0,5.5)	12 (16,6.7)	2.6 (3.9,1.1)	3.6
Cr (ppm)	130 (150,110)	250 (340,190)	310 (440,230)	330 (430,220)	140 (200,<20)	84
Co (ppm)	4 (6,<5)	14 (17,10)	16 (23,12)	30 (36,23)	15 (24,6)	10
Fe (%)	1.8 (2.2,1.6)	2.9 (3.2,2.5)	2.9 (3.3,2.2)	4.9 (6.2,3.8)	2.9 (4.6,0.6)	4.5
La (ppm)	38 (48,30)	36 (38,33)	37 (42,29)	30 (39,19)	36 (150,16)	19
Rb (ppm)	58 (63,55)	43 (51,31)	98 (110,84)	118 (160,72)	53 (75,32)	55
Sc (ppm)	3.6 (4.6,3.2)	6.9 (8.6,4.6)	9.4 (11.0,7.3)	16 (21.7,14.0)	8.1 (15.0,5.3)	10
Th (ppm)	3.7 (4.0,3.5)	5.1 (5.6,4.7)	5.8 (6.7,4.7)	5.7 (7.6,2.7)	3.5 (5.3,1.7)	2.8
Na (%)	4.3 (5.15,3.68)	4.3 (4.52,4.11)	1.9 (2.62,0.85)	1.4 (2.41,0.38)	2.7 (4.34,1.0)	0.64

All of the remaining bedrock chip samples are classed simply as felsic to intermediate metavolcanics (FV) on MAP 10. These have been subdivided in Table 4-4 to show that their chemistry is not uniform. However, they can all be easily distinguished from the metasedimentary and more mafic metavolcanic rock types.

For example, three drill holes along section E-E' are classed as felsic tuffs in Table 4-4 (samples BOB-77-03, 77-04, 82-13, 85-10). Their location and descriptions suggest that they are similar to the reddish-coloured felsic crystal tuffs but they are greenish coloured and have low Na values (along with Co, Cr and Fe values more resembling the feldspar crystal tuffs north of section E-E').

The four remaining samples from profile E-E' are classed (on Table 4-4) as intermediate tuffs. They show higher Co, Fe and Sc than the felsic tuffs.

The other bedrock chip samples which are included in the felsic to intermediate metavolcanic group are more or less scattered across the western part of the property. In all cases except one (BOB-90-15), they are characterized by low magnetic signature. Sample BOB-101-16 may be unique in that it represents the most strongly fractured and altered bedrock sample taken (although it contains no gold).

Gold values along section E-E' are rather interesting. From felsic to intermediate rock types, five of twelve drill holes gave 10 ppb or greater with a maximum value of 28 ppb. Also note that one metagabbro sample on this section gave 14 ppb Au. Evidence of shearing was noted in some of these samples, but the bedrock chips are very small and interpretation of shearing in these samples is difficult. The aeromagnetic data does not rule out the presence of an east-west fault close to this drill section.

In the other felsic to intermediate rock samples (those not located on section E-E'), gold values are all less than 10 ppb. Arsenic values are <3 ppm except for hole BOB-53, which gave 10 ppm.

4.5 General Summary of Bedrock Chip Studies

Bedrock samples taken from reverse circulation drill holes support the main interpretation of the property bedrock geology given in previous reports. That is, the property can be separated into two major terranes. To the north, and to the east, the property is

underlain by a thick sequence of metasediments. These are principally greywackes and are strongly metamorphosed. In the south-central and south-western parts, the bedrock consists of a complex mixture of metavolcanic flows and tuffs.

The nature of the contact between these two terranes is not yet known; however, we suspect it is a major east-west break. Furthermore, we are now beginning to have evidence that the metavolcanic rocks south of this contact may host multiple, parallel fault zones.

Our present rock unit subdivisions are adequate only in the metasedimentary terrane. Further detailing of rock units must be done in the metavolcanic terrane. Future studies will include comparison of our rock chips to outcrop samples and diamond drill core (diamond drilling will be performed starting in February, 1988) and additional chemistry analyses (eg major element whole rocks) on selected samples.

4.6 New Outcrop

A previously unreported outcrop was discovered adjacent to a drill road during the winter 1987 reverse circulation program. It is located between holes BOB-40 and BOB-50, at about 1 km due west of trench 3.

The outcrop is small, only a few metres square. It is composed of mainly plagioclase and amphibole, similar to the garnetiferous tuffs at trench 3. A few garnets were observed but they are generally lacking. The other major difference between this outcrop and the garnetiferous tuff unit is the abundance of calcite.

Calcite-rich layers are thinly interbedded with the plagioclase-amphibole layers and the layering is tightly folded at cm scale (upright, open folds) and nearly horizontal, with fold axes all plunging gently (~25°) to the east.

A few sterile discordant quartz veins are present.

This outcrop further confirms the abundance of near-horizontal rocks in the southern metavolcanic terrane.

5. CONCLUSIONS

5.1 Overburden Stratigraphy

Our interpretation of the overburden stratigraphy strongly suggests that a relatively complex sequence of Wisconsinan glacial deposits is present in this part of northeastern Ontario. The main Wisconsinan ice sheet appears to have briefly withdrawn and readvanced over the area, resulting in deposition of two tills.

We conclude that till logged during the field program as "Lower Till" is in fact equivalent to Matheson Till, and that the younger till is a late phase also equivalent to Matheson Till (in a regional context).

During the brief interstadial period which separates these two tills, glaciofluvial and glaciolacustrine sediments were deposited. Since, in many cases, these are overlain by the younger till, they were also incorrectly logged during the field program. Thus, most of the glaciofluvial and glaciolacustrine materials are of late Wisconsinan age (i.e. Ojibway II unit) and not early Wisconsinan or Sangamon (i.e. Missinaibi Sediments unit).

It is concluded that pre-Wisconsinan overburden was drilled only in a restricted area northeast of Blue Lake, where Missinaibi sands and gravels have been preserved in an area of steep bedrock topography.

In some drill holes, the two Wisconsinan till units are present, separated by a glaciofluvial or glaciolacustrine marker. In other holes, where only one till unit was logged in the field, it may be possible to distinguish which of the two tills is present, or if both are present. We have not yet fully evaluated our ability to do so, but As geochemistry results in tills from holes BOB-01 and BOB-02 suggest that there are chemical differences between the two tills.

It is interesting to note that Veillette (1986) has proposed a shift in ice-flow direction in late Wisconsinan time for the Abitibi-Timiskaming region. It is possible that this ice-flow direction change is related to the deposition of the younger till observed in this area and that the interstadial period recognized in this area is more a regional than local phenomenon.

5.2 Overburden Sampling

Gold grain counts and analyses of heavy mineral concentrates from the overburden samples do not show strong evidence for a mechanical dispersion train over the southern part of the property.

The best results were taken in an area northeast of Blue Lake, where protective topography has preserved Missinaibi sands and gravels which contain significant gold. It is difficult to conclude whether these results are indicative of bedrock mineralization, or whether there has been a concentration of gold from pre-existing tills.

We have found that gold grain counts for samples treated at ODM laboratories in Nepean and Rouyn are not comparable. It is difficult to assess some of the till samples treated at Rouyn which contain abundant gold grains (eg 5 to 9 grains) but which give low Au analyses. Although we conclude that no dispersion train was found, it is tempting to suggest that some high background samples (eg in the central part of the property east of the Burntbush River) may represent the terminal part of a dispersion train which could be better identified further up-ice.

5.3 Bedrock Geology

The results of our work on the bedrock chip samples confirm our earlier interpretations of the bedrock geology. As we have stated in our previous reports, the property can be subdivided into two main lithological domains.

The low magnetic area which underlies the northern and eastern part of the property is considered to be mostly a monotonous, strongly metamorphosed turbidite sequence. Although outcrops of metabasalt and metagabbro have been found in this northern domain, none were intersected in the reverse circulation drill holes.

The high magnetic area which underlies the south-central and south-western parts of the property is composed of a complex metavolcanic stratigraphy with minor metasedimentary rocks and with interflow sills and/or intrusive bodies. Metavolcanic rock chips are variable in appearance and composition and individual rock units are difficult to map using the drill hole spacing of 400 x 400 m. One exception is the high-Na, high-Ba reddish coloured quartzo-feldspathic crystal tuff which is well defined by its low magnetic signature and which was drilled in five holes near Spade Lake.

Gold geochemistry of the bedrock chips suggest that the "complex" southern domain may hold more potential for mineralization than the "monotonous" northern domain. We suspect that the contact between the two domains is a shear zone, and therefore a target for gold mineralization. But, gold values from the southern domain commonly exceed 10 ppb, whereas this has not yet happened in the northern domain (except in the sheared metagabbro outcrops interpreted to have intruded the contact area). Aeromagnetics data and the linear continuity of anomalous gold results along drill section E-E' suggest that east-west trending shears are also present within the southern domain and these targets may be as important as the main sheared contact zone.

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COGEMA CANADA LIMITED
BURNTBUSH RIVER PROJECT

FINAL REPORT - 1987
"REVERSE CIRCULATION DRILLING"

VOLUME 2 of 3

Ref. No. 87-CND-47-04
(Doc. #0076U)

By: J. Learn
January 1988

LIST OF APPENDICES

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A P P E N D I X I

DRILLING SUMMARY AND FIELD LOGGING SHEETS

- Reverse Circulation Drill Summary
- Reverse Circulation Drill Hole Logs

By: J. Learn
R. St-Jean
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March to July, 1987

Ref. No. 87-CND-47-04
(Doc. #0076U)

REVERSE CIRCULATION DRILLING SUMMARY

HOLE # DATE	CO-ORD		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-01	X	7750E	CT	0-3.6		18.6-20.2
3/3/87	Y	900N	OII	3.6-4.8		MS, minor sf, cc, q
	Z	279	MT	4.8-13.0	5	
			MS	13.0-14.0		
			LT	14.0-18.6	4	
BOB-02	X	7350E	CT	0-3.5		27.5-29.0
3/3/87	Y	775N	MT	3.5-12.4	5	MS, minor sf, cc, q
	Z	281	MS	12.4-18.2		
			LT	18.2-27.5	5	
BOB-03	X	6525E	CT	0-2.0		12.0-13.5
3→4/3/87	Y	535N	MT	2.0-12.0	7	MS
	Z	280				
BOB-04	X	6925E	OG	0-2.0		25.6-27.0
4/3/87	Y	645N	CT	2.0-13.0		MV
	Z	278	OII	13.0-18.0		
			MT	18.0-25.6	4	
BOB-05	X	7460E	CT	0-6.2		19.5-21.0
4/3/87	Y	1125N	OII	6.2-6.8		MS, minor sf
	Z	279	MT	6.8-19.5	6	
BOB-06	X	7070E	OG	0-2.0		20.2-21.7
4/3/87	Y	980N	CT	2.0-5.5		
	Z	278	OII	5.5-16.5		MS, minor q
			MT	16.5-20.2	2	
BOB-07	X	6675E	CT	0-2.5		12.7-14.3
4→5/3/87	Y	780N	MT	2.5-12.7	7	MS, minor q
	Z	280				
BOB-08	X	6935E	OG	0-0.5		18.5-20.0
5/3/87	Y	1350N	CT	0.5-11.0		MS
	Z	275	OII	11.0-17.6		
			MT	17.6-18.5	2	
BOB-09	X	6550E	OG	0-1.0		21.5-23.0
5/3/87	Y	1210N	CT	1.0-6.5		MS
	Z	277	OII	6.5-7.5		
			MT	7.5-21.5	10	

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-10	X	6175E	OG	0-0.6		13.0-14.5
5/3/87	Y	1080N	CT	0.6-1.5		MS, MV minor cc, q
	Z	281	MT	1.5-13.0	4	
BOB-11	X	5790E	OG	0-1.0		9.6-11.1
6/3/87	Y	955N	CT	1.0-7.0		MS, minor q
	Z	280	OII	7.0-8.5		
			MT	8.5-9.6	1	
BOB-12	X	5425E	OG	0-1.2		37.2-38.7
6/3/87	Y	840N	CT	1.2-4.4		MV, minor sf, cc
	Z	278	OII	4.4-6.8		
			MT	6.8-24.3	10	
			MS	24.3-25.1		
			LT	25.1-37.2	9	
BOB-13	X	6285E	CT	0-1.8		8.5-10.0
6/3/87	Y	685N	MT	1.8-8.5	3	MS, minor q
	Z	284				
BOB-14	X	5905E	OG	0-1.5		7.7-9.2
7/3/87	Y	645N	CT	1.5-5.1		MS, minor m.d., q, sf
	Z	280	MT	5.1-7.7	2	
BOB-15	X	5875E	OG	0-2.0		9.0-10.5
7/3/87	Y	150N	CT	2.0-6.0		MS, minor q
	Z	278	OII	6.0-8.0		
			MT	8.0-9.0	1	
BOB-16	X	5490E	CT	0-9.5		21.0-22.5
7/3/87	Y	0+20N	OII	9.5-12.0		MS, minor q, m.d.
	Z	280	MT	12.0-21.0	6	
BOB-17	X	5130E	CT	0-4.2		38.1-39.8
7/3/87	Y	110S	MT	4.2-38.1	20	MS, m.d., minor sf
	Z	287				
BOB-18	X	5525E	OG	0-1.5		22.5-27.2
8/3/87	Y	505N	CT	1.5-11.5		MS
	Z	278	OII	11.5-14.7		
			MT	14.7-22.5	5	

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-19	X	5185E	OG	0-4.4		26.8-28.3
8/3/87	Y	335N	CT	4.4-12.5		MS, minor q
	Z	278	OII	12.5-17.5		
			MT	17.5-26.8	6	
BOB-20	X	4795E	OG	0-1.0		31.8-33.8
8/3/87	Y	210N	CT	1.0-5.5		MS
	Z	282	OII	5.5-7.8		
			MT	7.8-23.0	10	
			MS	23.0-31.8	5	
BOB-21	X	4410E	OG	0-0.5		43.6-45.1
9/3/87	Y	0+95N	CT	0.5-3.7		MS, minor m.d.
	Z	283	OII	3.7-15.5	2	
			MT	15.5-33.5	11	
			MS	33.5-43.6	4	
BOB-22	X	4360E	OG	0-3.0		31.2-32.7
9/3/87	Y	355S	CT	3.0-6.2		MS
	Z	281	OII	6.2-31.2	4	
BOB-23	X	4755E	OG	0-0.5		32.6-34.1
9→10/3/87	Y	245S	CT	0.5-6.5		MS, minor cc
	Z	288	OII	6.5-12.5		
			MT	12.5-23.0	6	
			MS	23.0-24.0		
			LT	24.0-32.6	6	
BOB-24	X	4030E	OG	0-0.2		40.8-41.6
10/3/87	Y	0+40S	CT	0.2-2.9		MS, minor cc
	Z	283	MT	2.9-24.2	14	
			MS	24.2-39.5	2	
			LT	39.5-40.8	1	
BOB-25	X	3650E	OG	0-0.2		38.0-40.5
11/3/87	Y	180S	CT	0.2-1.7		MV, minor cc, q
	Z	282	MT	1.7-25.8	13	
			MS	25.8-30.0		
			LT	30.0-38.0	5	
BOB-26	X	3280E	OG	0-0.2		35.8-37.5
11→12/3/87	Y	330S	CT	0.2-2.0		MS, minor cc, sf, q
	Z	281	MT	2.0-34.4	22	
			MS	34.4-35.8	1	

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-27	X	2905E	OG	0-3.5		36.9-38.4
12/3/87	Y	475S	CT	3.5-9.5		MS, minor q
	Z	277	OII	9.5-16.4		
			MT	16.4-36.9	14	
BOB-28	X	2445E	OG	0-2.5		27.8-29.3
13/3/87	Y	245S	CT	2.5-8.5		MS
	Z	276	OII	8.5-18.0		
			MT	18.0-27.8	7	
BOB-29	X	2815E	OG	0-1.5		27.0-29.0
14/3/87	Y	0+85S	CT	1.5-3.0		MS, minor q, cc
	Z	279	OII	3.0-4.4		
			MT	4.4-27.0	15	
BOB-30	X	3150E	OG	0-1.0		45.8-47.3
14/3/87	Y	0+20N	CT	1.0-1.5		MS, minor q, abund.
	Z	281	MT	1.5-26.0	14	dissem. sf (~1%) py,
			MS	26.0-45.8	6	asp
BOB-31	X	3550E	CT	0-1.0		39.3-40.5
15/3/87	Y	185N	MT	1.0-31.8	18	MS, minor ep, q
	Z	282	MS	31.8-34.2	1.5	
			LT	34.2-39.3	3.5	
BOB-32	X	3925E	OG	0-0.1		37.1-38.6
16/3/87	Y	335N	CT	0.1-2.4		MS, minor cc, q
	Z	284	OII	2.4-5.0		
			MT	5.0-19.8	7	
			MS	19.8-26.8		
			LT	26.8-37.1	6	
BOB-33	X	4290E	OG	0-0.2		42.1-43.5
16/3/87	Y	470N	CT	0.2-2.4		MS, minor cc, q
	Z	283	OII	2.4-21.5	2	
			MT	21.5-42.1	12	
BOB-34	X	4665E	OG	0-0.3		
17/3/87	Y	590N	CT	0.3-1.9		- not reached
	Z	281	OII	1.9-3.0		
			MT	3.0-13.8	6	
			MS	13.8-27.8	5	
			LT	27.8-38.0	6	

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-35	X	5025E	OG	0-3.0		29.0-30.6
18/3/87	Y	730N	CT	3.0-9.6		MS, minor cc, mt
	Z	278	OII	9.6-13.0		
			MT	13.0-26.7	9	
			MS	26.7-29.0		
BOB-36	X	2070E	OG	0-0.5		34.8-36.5
18/3/87	Y	400S	CT	0.5-5.3		MS, minor cc, mt, q,
	Z	277	OII	5.3-7.2		py
			MT	7.2-24.2	11	
			MS	24.2-33.5	3	
			LT	33.5-34.8	1	
BOB-37	X	1685E	OG	0-1.6		45.1-46.0
19/3/87	Y	530S	CT	1.6-3.0		MV
	Z	278	OII	3.0-4.6		
			MT	4.6-34.0	16	
			MS	34.0-36.0	1	
			LT	36.0-45.1	5	
BOB-38	X	1830E	OG	0-0.8		38.0-39.5
20/3/87	Y	895S	CT	0.8-4.0		MS, MV minor cc, q, py
	Z	278	OII	4.0-4.6		
			MT	4.6-30.3	13	
			MS	30.3-38.0	3	
BOB-39	X	2175E	OG	0-0.2		40.2-48.0
21/3/87	Y	810S	CT	0.2-2.5		MV, minor cc, sf
	Z	279	MT	2.5-34.3	16	
			MS	34.3-40.2	1	
BOB-40	X	835W	OG	0-1.0		2.6-3.3
22/3/87	Y	1330S	CT	1.0-2.6		MV, minor cc, sf, mt,
	Z	289				q
BOB-41	X	510W	CT	0-3.0		14.5-16.0
24/3/87	Y	295S	OII	3.0-7.8	1	MS, minor cc, q
	Z	272	MT	7.8-14.5	4	
BOB-42	X	920W	OG	0-1.2		16.3-17.8
24/3/87	Y	305S	CT	1.2-2.6	1	MV, minor q
	Z	279	MT	2.6-16.3	7	

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-43	X	1320W	OG	0-0.4		15.2-16.5
24-25/3/87	Y	325S	CT	0.4-3.7		MS/MV, minor cc
	Z	284	MT	3.7-15.2	7	
BOB-44	X	1725W	OG	0-0.3		3.3-5.0
25/3/87	Y	350S	CT	0.3-3.3		MV, minor cc, sf
	Z	288				
BOB-45	X	2135W	OG	0-0.3		9.0-10.5
25/3/87	Y	330S	CT	0.3-5.5		MV, q, minor cc
	Z	288	OII	5.5-7.2		
			MT	7.2-9.0	1	
BOB-46	X	2545W	OG	0-0.2		7.0-8.5
25/3/87	Y	335S	CT	0.2-2.6		MV
	Z	286	MT	2.6-7.0	2	
BOB-47	X	2950W	OG	0-0.2		16.0-17.5
25/3/87	Y	345S	CT	0.2-2.6		MV, minor sf, cc, q
	Z	285	MT	2.6-16.0	6	
BOB-48	X	440W	OG	0-0.2		1.8-3.3
26/3/87	Y	1220S	CT	0.2-1.8		MV, minor cc, sf, q
	Z	284				
BOB-49	X	0+70W	OG	0-0.2		9.0-10.5
26/3/87	Y	1110S	CT	0.2-1.2		MV, minor cc, sf, q
	Z	276	MT	1.2-9.0	4	
BOB-50	X	1210W	OG	0-1.4		2.0-3.5
26/3/87	Y	1485S	CT	1.4-2.0		MV, minor cc, sf, q
	Z	289				
BOB-51	X	410W	OG	0-1.3		5.6-7.5
26/3/87	Y	760S	CT	1.3-1.9		MV, sf, minor q
	Z	277	MT	1.9-5.6	2	
BOB-52	X	800W	OG	0-1.0		7.3-8.8
26/3/87	Y	880S	CT	1.0-3.5		MV, cc, minor sf
	Z	284	OII	3.5-4.5		
			MT	4.5-7.3	2	

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-53	X	1185W	OG	0-0.1		3.7-5.2
26/3/87	Y	995S	CT	0.1-2.5		MV, minor sf, q
	Z	290	MT	2.5-3.7	1	
BOB-54	X	1565W	OG	0-2.0		9.5-11.0
27/3/87	Y	1095S	CT	2.0-3.8		MV, minor sf
	Z	292	OII	3.8-4.4		
			MT	4.4-9.5	3	
BOB-55	X	890W	OG	0-0.1		14.9-16.3
27/3/87	Y	0+30S	CT	0.1-1.9		MV, minor cc
	Z	276	OII	1.9-3.1		
			MT	3.1-14.9	7	
BOB-56	X	1285W	OG	0-0.2		10.8-13.0
27/3/87	Y	0+20S	CT	0.2-2.6		MV, minor cc, sf, q
	Z	282	OII	2.6-5.8		
			MT	5.8-10.8	3	
BOB-57	X	1695W	OG	0-1.6		18.3-20.0
27/3/87	Y	0+05N	CT	1.6-8.0		MS, minor cc, q
	Z	283	OII	8.0-15.2		
			MT	15.2-18.3	2	
BOB-58	X	2120W	OG	0-2.0		18.9-22.5
27/3/87	Y	0+20N	CT	2.0-8.0		MS, MV, minor cc, q
	Z	283	OII	8.0-14.5		
			MT	14.5-18.9	3	
BOB-59	X	2525W	OG	0-0.7		9.8-11.3
27-28/3/87	Y	0+30N	CT	0.7-2.0		MS, minor cc, q
	Z	283	MT	2.0-9.8	5	
BOB-60	X	2950W	OG	0-0.4		10.7-12.5
28/3/87	Y	0+45N	CT	0.4-3.8		MV, q, minor cc
	Z	282	OII	3.8-4.3		
			MT	4.3-10.7	4	
BOB-61	X	3360W	OG	0-1.0		23.5-25.0
28/3/87	Y	0+50N	CT	1.0-2.3		MV, minor cc, p
	Z	284	MT	2.3-23.5	13	

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-62	X	3765W	OG	0-2.0		27.5-29.0
28/3/87	Y	0+45N	CT	2.0-6.5		MV, minor q
	Z	285	OII	6.5-8.5		
			MT	8.5-27.5	11	
BOB-63	X	4175W	OG	0-1.5		10.0-11.5
28/3/87	Y	0+55N	CT	1.5-3.8		MV, minor cc
(80)	Z	286	OII	3.8-9.0		
			MT	9.0-10.0	1	
BOB-64	X	4585W	OG	0-1.2		9.8-11.3
28/3/87	Y	0+75N	CT	1.2-4.6	1	MS, minor sf
	Z	285	OII	4.6-6.2		
			MT	6.2-9.8	2	
BOB-65	X	4950W	OG	0-1.6		21.9-23.4
28/3/87	Y	0+75N	CT	1.6-9.2		MS, minor q
	Z	283	OII	9.2-14.2		
			MT	14.2-21.9	4	
BOB-66	X	5325W	OG	0-1.2		11.0-12.5
29/3/87	Y	220N	CT	1.2-5.0		MV, minor cc, sf, q
	Z	285	OII	5.0-11.0	1	
BOB-67	X	5310W	OG	0-0.2		25.9-27.1
29/3/87	Y	645N	CT	0.2-6.0		MS, minor cc, q
	Z	284	OII	6.0-13.3	1	
			MT	13.3-25.6	6	
			MS	25.6-25.9		
BOB-68	X	6110W	OG	0-0.2		2.8-4.5
29/3/87	Y	605N	CT	0.2-2.0		MV, minor sf, q
	Z	288	OII	2.0-2.6		
			MT	2.6-2.8		
BOB-69	X	5775W	OG	0-1.5		8.2-10.0
29/3/87	Y	620N	CT	1.5-4.0		MV, minor sf, q
	Z	285	OII	4.0-8.0		
			MT	8.0-8.2		
BOB-70	X	6525W	OG	0-0.2		5.3-6.8
29/3/87	Y	625N	CT	0.2-2.5		MV, minor sf
	Z	292	OII	2.5-2.8		
			MT	2.8-5.3	2	

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-71	X	6920W	OG	0-1.5		4.7-6.2
29/3/87	Y	610N	CT	1.5-2.8		MV, minor sf, cc
	Z	293	OII	2.8-4.6		
			MT	4.6-4.7		
BOB-72	X	6970W	OG	0-1.0		15.2-16.5
29/3/87	Y	285N	CT	1.0-8.5		MV, minor cc, q
	Z	293	OII	8.5-9.5		
			MT	9.5-15.2	3	
BOB-73	X	6560W	OG	0-0.2		8.2-9.7
29/3/87	Y	270N	CT	0.2-5.0		MV, minor q
	Z	292	OII	5.0-7.0		
			MT	7.0-8.2	1	
BOB-74	X	6145W	OG	0-0.2		15.7-17.2
29/3/87	Y	245N	CT	0.2-8.7		MV, minor cc, q
	Z	290	OII	8.7-11.5		
			MT	11.5-15.7	2	
BOB-75	X	5730W	OG	0-1.1		13.0-14.5
29/3/87	Y	255N	CT	1.1-9.2		MV, minor cc, sf, q
	Z	288	OII	9.2-13.0		
BOB-76	X	5370W	CT	0-3.7		6.9-8.4
29/3/87	Y	145S	OII	3.7-6.8		MV, minor cc, q
	Z	287	MT	6.8-6.9		
BOB-77	X	5760W	OG	0-0.6		17.3-18.8
29-30/3/87	Y	105S	CT	0.6-10.6		MV, sf, minor cc, q,
	Z	290	OII	10.6-14.7		ep
			MT	14.7-17.3	2	
BOB-78	X	6175W	OG	0-2.6		17.9-19.4
30/3/87	Y	150S	CT	2.6-8.2		MV, minor sf, q, ep
	Z	291	OII	8.2-9.8		
			MT	9.8-17.9	5	
BOB-79	X	6570W	OG	0-0.1		5.0-6.5
30/3/87	Y	120S	CT	0.1-1.4		MV, minor sf
	Z	295	MT	1.4-5.0	2	

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-80	X	6990W	OG	0-3.1		21.2-22.7
30/3/87	Y	120S	CT	3.1-9.9		MV, minor sf, q
	Z	293	OII	9.9-18.0		
			MT	18.0-21.2	1	
BOB-81	X	4975W	OG	0-2.0		26.4-28.0
30/3/87	Y	585S	CT	2.0-12.5		MV
	Z	284	OII	12.5-26.2		
			MT	26.2-26.4		
BOB-82	X	4575W	OG	0-0.1		22.6-24.1
30/3/87	Y	330S	CT	0.1-3.6		MV, minor cc, mt, q
	Z	290	OII	3.6-4.0		
			MT	4.0-22.6	12	
BOB-83	X	4170W	OG	0-2.8		10.8-12.3
30/3/87	Y	325S	CT	2.8-6.9		MV, minor cc, q
	Z	287	OII	6.9-10.2		
			MT	10.2-10.8	1	
BOB-84	X	3765W	OG	0-3.3		20.6-22.5
30/3/87	Y	335S	CT	3.3-6.3		MV, minor sf, cc, q
	Z	286	OII	6.3-8.5		
			MT	8.5-20.6	7	
BOB-85	X	3360W	OG	0-3.0		27.8-29.1
31/3/87	Y	355S	CT	3.0-7.4		MV, minor cc, sf
	Z	285	OII	7.4-11.0		
			MT	11.0-27.8	9	
BOB-86	X	4955W	OG	0-1.3		20.0-21.5
31/3/87	Y	430N	CT	1.3-8.5		MS, minor cc, q
	Z	282	OII	8.5-12.5		
			MT	12.5-20.0	5	
BOB-87	X	4555W	OG	0-2.0		18.3-19.8
31/3/87	Y	435N	CT	2.0-5.5		MV, minor cc, sf, q
	Z	285	OII	5.5-11.0		
			MT	11.0-18.3	3	

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-88	X	4145W	OG	0-1.4		20.6-22.1
31/3/87	Y	415N	CT	1.4-4.0		MS, sf
	Z	284	OII	4.0-8.5		
			MT	8.5-20.6	6	
BOB-89	X	3730W	OG	0-1.3		24.3-25.5
31/3/87	Y	390N	CT	1.3-4.7		MV, minor sf
	Z	285	OII	4.7-9.6		
			MT	9.6-15.0	3	
			MS	15.0-16.2	1	
			LT	16.2-24.3	6	
BOB-90	X	3330W	CT	0-1.6		28.3-31.0
01/4/87	Y	360N	MT	1.6-12.3	7	MV, minor cc, q
	Z	286	MS	12.3-13.2		
			LT	13.2-22.5	5	
			MS	22.5-28.3	2	
BOB-91	X	2915W	OG	0-0.3		20.9-22.4
01/4/87	Y	330N	CT	0.3-5.8		MV
	Z	284	OII	5.8-10.5		
			MT	10.5-15.3	4	
			MS	15.3-15.4		
			LT	15.4-20.9	3	
BOB-92	X	2515W	OG	0-1.4		8.1-9.6
01/4/87	Y	305N	CT	1.4-2.9		MV, q, cc, sf
	Z	284	OII	2.9-3.3		
			MT	3.3-8.1	3	
BOB-93	X	2105W	OG	0-1.8		17.7-19.2
1→2/4/87	Y	290N	CT	1.8-4.3		MV
	Z	283	OII	4.3-6.8		
			MT	6.8-9.8	2	
			MS	9.8-11.8		
			LT	11.8-17.7	4	
BOB-94	X	1700W	OG	0-1.4		15.4-16.9
02/4/87	Y	265N	CT	1.4-3.8		MV, minor q, cc
	Z	283	MT	3.8-15.4	7	

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD (APPROX)		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-95	X	1290W	OG	0-0.3		15.5-17.0
02/4/87	Y	270N	CT	0.3-10.0	3	MV, minor q, cc
	Z	280	OII	10.0-15.5	2	
BOB-96	X	1315E	CT	0-1.7		31.2-33.2
20/6	Y	655S	MT	1.7-31.2	16	MV, minor q, cc, sf
(46)	Z	282				
BOB-97	X	1450E	OG	0-0.5		24.2-25.7
20/6	Y	1090S	CT	0.5-1.5		MV
(49)	Z	282	MT	1.5-24.2	15	
BOB-98	X	1060E	CT	0-2.8		22.3-24.0
21/6	Y	1175S	MT	2.8-22.3	12	MV, minor cc, sf
(61)	Z	279				
BOB-99	X	675E	CT	0-7.0	2	10.1-11.7
22/6	Y	1285S	OII	7.0-7.2		MV, minor cc, sf, q
(60)	Z	279	MT	7.2-10.1	2	
BOB-100	X	930E	OG	0-0.5		32.2-33.7
22/6	Y	790S	MT	0.5-32.2	18	MV, minor cc, mt
(62)	Z	281				
BOB-101	X	545E	OG	0-3.5		33.0-35.5
22/6	Y	905S	CT	3.5-10.0	1	MV, v.minor cc,
(59)	Z	275	OII	10.0-11.0		strongly altered to
			MT	11.0-33.0	14	rusty colour
BOB-102	X	0+65E	CT	0-7.0		37.0-38.0
23/6	Y	570S	OII	7.0-9.5		MV, minor cc
(58)	Z	277	MT	9.5-37.0	13	
BOB-103	X	420E	CT	0-1.5		30.9-32.4
23/6	Y	425S	MT	1.5-30.9	17	MV, minor sf
(55)	Z	278				
BOB-104	X	800E	OG	0-0.4		36.8-38.4
23-24/6	Y	280S	CT	0.4-2.3		MV, minor sf, q
(54)	Z	281	MT	2.3-35.1	18	
			MS	35.1-36.0		
			LT	36.0-36.8	1	

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD (APPROX)		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-105	X	110W	OG	0-0.9		18.5-20.0
24/6	Y	195S	MT	0.9-18.5	8	MV, minor sf, cc, q
(57)	Z	272				
BOB-106	X	280E	CT	0-1.0		not reached
24/6	Y	0+60S	MT	1.0-32.8	18	
(56)	Z	282				
BOB-107	X	650E	OG	0-0.5		38.6-40.1
25/6	Y	0+80N	CT	0.5- 1.5		MS, minor sf, cc, q
(53)	Z	282	MT	1.5-26.6	16	
			MS	26.6-30.5	1	
			LT	30.5-38.6	5	
BOB-108	X	1020E	OG	0-2.5		28.6-31.0
26/6	Y	195N	CT	2.5- 7.6		MS, minor sf
(52)	Z	277	OII	7.6- 9.0		
			MT	9.0-28.6	13	
BOB-109	X	1165E	OG	0-0.8		35.0-37.1
26/6	Y	135S	CT	0.8-2.0		MS, minor sf, q
(51)	Z	278	MT	2.0-31.9	18	
			MS	31.9-34.5	1	
			LT	34.5-35.0		
BOB-110	X	1560E	OG	0-1.3		26.2-28.5
26/6	Y	0+05N	CT	1.3-4.1		MS, q, v.minor sf
(50)	Z	276	OII	4.1-6.0	1	
			MT	6.0-26.2	11	
BOB-111	X	6630E	OG	0-1.0		23.8-24.3
27/6	Y	1010N	CT	1.0-5.0		MV, v.minor cc, sf
(119)	Z	278	OII	5.0-6.7		24.3-25.3
			MT	6.7-23.8	11	MS
BOB-112	X	6995E	OG	0-0.2		23.6-25.1
28/6	Y	1155N	CT	0.2-9.5		MS, v.minor q, sf
(121)	Z	276	OII	9.5-14.5		
			MT	14.5-23.6	6	

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD (APPROX)		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-113	X	6810E	OG	0-0.2		25.0-26.5
28/6	Y	1080N	CT	0.2-1.5		MS, v.minor sf, q
(120)	Z	277	MT	1.5-24.9	12	
			MS	24.9-25.0		
BOB-114	X	5600E	OG	0-2.2		37.4-38.9
28/6	Y	890N	CT	2.2-11.3		MS, v.minor sf
(122)	Z	278	MT	11.3-25.0	8	
			MS	25.0-37.4	5	
BOB-115	X	5525E	OG	0-1.4		40.6-41.8?
29/6	Y	1065N	CT	1.4-6.1		Ms, minor sf, q
(124)	Z	279	OII	6.1-11.4		
			MT	11.4-31.1	13	
			MS	31.1-40.6	4	
BOB-116	X	5715E	OG	0-1.1		19.7-21.2
30/6	Y	1130N	CT	1.1-7.5		MS, minor sf, q
(123)	Z	279	OII	7.5-12.8		
			MT	12.8-19.7	4	
BOB-117	X	5450E	OG	0-1.5		19.0-20.8
30/6	Y	1255N	CT	1.5-7.4		MS, v.minor q
(127)	Z	279	OII	7.4-11.9		
			MT	11.9-19.0	5	
BOB-118	X	5260E	OG	0-2.6		24.1-26.0
1/7	Y	1185N	CT	2.6-10.8		MS, minor q
(128)	Z	278	OII	10.8-12.5		
			MT	12.5-24.1	7	
BOB-119	X	5315E	OG	0-2.4		14.8-17.0
1/7	Y	990N	CT	2.4-8.5		MS, minor sf, cc, q
(125)	Z	278	OII	8.5-13.1		
			MT	13.1-14.8	1	
BOB-120	X	5190E	OG	0-3.0		17.1-19.5
1/7	Y	945N	CT	3.0-11.0		MS, minor sf, q
(126)	Z	278	OII	11.0-14.7		
			MT	14.7-17.1	1	

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD (APPROX)		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-121	X	5120E	OG	0-3.2		17.5-19.5
1/7	Y	1115N	CT	3.2-10.5		MS, minor sf, q
(129)	Z	277	OII	10.5-16.5		
			MT	16.5-17.5	1	
BOB-122	X	4895E	OG	0-1.0		20.4-22.5
2/7	Y	1110N	CT	1.0-4.0		MS, minor cc, ep,
(28)	Z	278	OII	4.0-5.0		q, sf
			MT	5.0-20.4	9	
BOB-123	X	4980E	OG	0-1.1		20.0-22.3
2/7	Y	920N	CT	1.1-8.8		MS, minor sf, q
(130)	Z	278	OII	8.8-11.0		
			MT	11.0-20.0	6	
BOB-124	X	4480E	CT	0-2.0		45.0-45.6
2-3/7	Y	1020N	OII	2.0-12.5	1	MS
(29)	Z	287	MT	12.5-36.7	13	
			MS	36.7-42.0		
			LT	42.0-45.0	2	
BOB-125	X	4130E	CT	0-1.3		32.2-32.5
3/7	Y	820N	OII	1.3-32.2	1	MS, q, sf
(30)	Z	285				
BOB-125A	X	4120E	CT	0-1.3		39.8-42.0
3/7	Y	820N	OII	1.3-39.8	3	MS, q, sf
(30)	Z	285				
BOB-126	X	3740E	OG	0-0.2		32.4-34.5
3-4/7	Y	710N	CT	0.2-5.0		MS
(31)	Z	280	OII	5.0-13.5		
			MT	13.5-20.8	4	
			MS	20.8-31.7		
			LT	31.7-32.4	1	
BOB-127	X	3340E	CT	0-1.5		38.5-40.0
4/7	Y	570N	MT	1.5-38.5	20	MS, v.minor sf
(32)	Z	282				

REVERSE CIRCULATION DRILLING SUMMARY (cont'd)

HOLE # DATE	CO-ORD (APPROX)		STRAT'Y AND DEPTHS (O/B)		# OF SAMPLES	BEDROCK
BOB-128	X	2980E	OG	0-0.8		31.2-33.0
5/7	Y	430N	CT	0.8-2.6		MS, q, minor sf
(33)	Z	280	OII	2.6-3.6		
			MT	3.6-26.4	14	
			MS	26.4-26.9		
			LT	26.9-31.2	2	
BOB-129	X	2590E	OG	0-2.2		34.4-36.2
5/7	Y	310N	CT	2.2-10.3		MS, minor sf
(34)	Z	278	OII	10.3-16.2		
			MT	16.2-28.5	7	
			MS	28.5-32.3	2	
			LT	32.3-34.4	1	
BOB-130	X	2240E	OG	0-1.2		26.9-28.5
5/7	Y	135N	CT	1.2-5.0		MS, minor sf, q,
(35)	Z	276	OII	5.0-10.4		local silicification
			MT	10.4-26.9	10	
BOB-131	X	1500W	OG	0-0.8		16.2-17.5
7/7	Y	480N	CT	0.8-1.6		MV, MS ?
(134)	Z	281	OII	1.6-2.1		cc, sf, minor ep.
			MT	2.1-15.5	7	
			MS	15.5-16.2		
BOB-132	X	1705W	OG	0-0.5		13.4-15.0
7/7	Y	435N	CT	0.5-2.0		MV, q, cc,
(133)	Z	283	MT	2.0-13.4	7	minor sf, ep.
BOB-133	X	1895W	OG	0-1.5		9.9-11.2
7/7	Y	465N	CT	1.5-5.1		MV, q, cc,
(132)	Z	283	OII	5.1-8.8		minor sf, ep.
			MT	8.8-9.9	1	

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BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 3 Mars 1987 Sondage No: BOB-01 Localisation: Site 19

Géologue: DH, RSJ, RM Sondeur: H. Durett Outil: CB68817 Métrage: 0-20.2

Poste (heures)

____ à ____ Sondage: 10:00 → 12:30

TOTAL NEW BIT # CB68817 NEW BIT SUB

~~travel truck road 6:30 → 8:30, travel to 1st site 8:30 → 9:30,~~

Contractant (heures) Divers: set up at 1st site 9:30 → 10:00

Déplacement sur le site suivant: 12:30 → 12:45

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom. type	analysis of HMC (or bedrock) Au	As		calc Mb.
			0.0-4.8 OJIBWAY II SEDIMENTS						
			0.0-3.6 Fine grey beige, sandy silt clay matrix few pebbles and granules 50/50 clasts rounded						
			3.6-4.8 Pure soft grey clay.						
			4.8-13.0 MATHESON TILL						
6		01	4.8-5.2 Boulder - greywacke -	1	A	23500	2.0		11628
7		02	5.2-11.0 Fine grey beige sand silt matrix pebbles and small cobbles 60% meta-volcanics/sedim	1 to	A	703	3.9		683
9		03	40% granitoids.	0	—	14	22.0		—
10		04	11.0-12.0 Boulders - intermediate volcanics	0	—	130	16.0		—
12		05	12.0-13.0 Clayey till. Fine silt and grey clay matrix - cobbles 70% meta-volcanics/sedim 30% granitoids	0	—	200	78.0		—
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-01

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom. type	analysis of HMC (or bedrock) Au	As		
1									
2									
3									
14									
15		06	13.0 - 14.0 MISSINAIBI SEDIMENTS Pure dark grey clay very compact "Super clay" Occasional thin silt and fine grey sand horizons	0	-	120	98.8		-
16		07		0	-	17	57.8		-
17		08		0	-	120	68.5		-
18		09	14.0 - 18.6 LOWER TILL Fine grey sand - silt matrix	0	-	75	73.4		-
19		10 BEDROCK	pebbles and cobbles. 60% local rocks 40% granitoids	-	-	4	10.0		
20									
21			18.6 - 20.2 BEDROCK Dark grey to black colour. Fine grained granular texture moderate to strong foliation. ~1% Quartz veins <1% disseminated sulfides disseminated carbonates hard to drill => Greywacke.						
22									
23									
4									
5									
6									
7			20.2 EOH						
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 3 Mars 1987 Sondage No: BoB-02 Localisation: site 20

Géologue: RSJ, DH, RM Sondeur: H. Duretti Outil: CB68817 Métrage: 20.2 -49.2

Poste (heures) _____

_____ à _____ Sondage: 12:45 - 15:45

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 15:45 → 16:15

ECHELLE: 1:100 Page 1 de 3

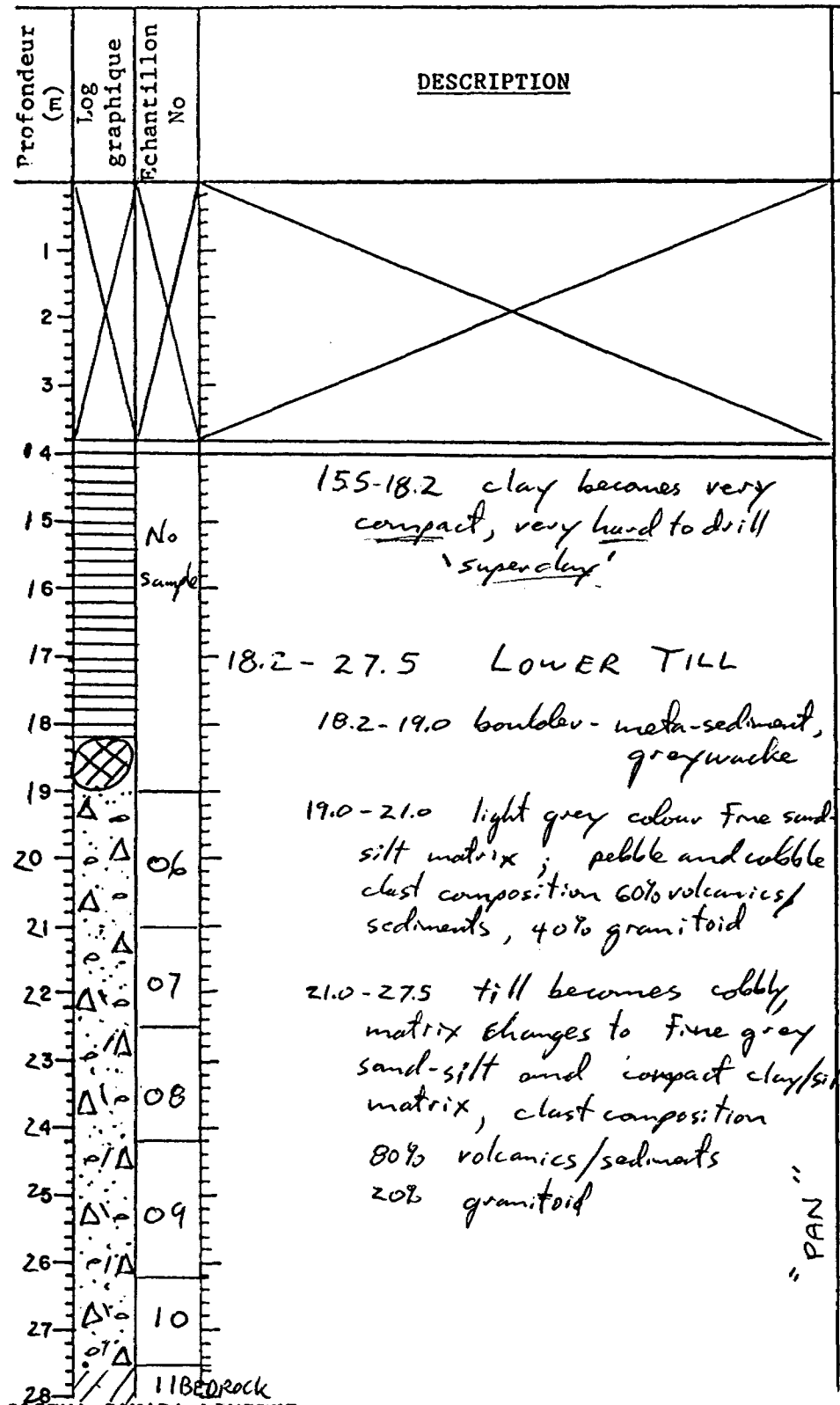
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mb
1			0 - 3.5 OJIBWAY II SEDIMENTS 0-1.5 pure brown clay, very compact at surface, soft downsection 1.5-3.5 Fine beige sand and beige clay with pebble and granule interbeds						
4		01		0	–	120	7.0 v		–
5			3.5-12.4 MATHESON TILL - distinct contact with overlying clay unit - light grey colour fine sand-silt matrix; pebble and small cobble clasts; composition approximately 60-70% volcanics and sed 30-40% granitoid						
6		02		0	–	120	28.0 v		–
8		03		0	–	120	33.0 v		–
9									
10		04		0	–	110	34.0 v		–
11			12.4-18.2 MISSINAIBI SEDIMENTS - gradational contact with overlying till unit						
12		05		0	–	207	16.0 v		–
13		No Sample	12.4-15.5 light grey coloured clay, pure, soft - occasional very thin fine beige sand and pebble interbeds						
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-02

ECHELLE: 1:100



DESCRIPTION

15.5-18.2 clay becomes very compact, very hard to drill 'superclay'

18.2 - 27.5 LOWER TILL

18.2 - 19.0 boulder - meta-sediment, greywacke

19.0 - 21.0 light grey colour fine sand-silt matrix; pebble and cobble clast composition 60% volcanics/sediments, 40% granitoid

21.0 - 27.5 till becomes cobbly, matrix changes to fine grey sand-silt and compact clay/silt matrix, clast composition 80% volcanics/sediments 20% granitoid

GOLD GRAINS		analyses of HMC (or bedrock)			
#	dom type	Au	As	Sb	calc Mb
0	–	190	38.0		–
0	–	24	91.6		–
0	–	68	196.0	3.1	–
1	I	1090	49.0		2539
0	–	293	54.8		–

"PAN"

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-02

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
1									
2									
3									
4									
5									
6									
27									
28									
29		11 BEDROCK	27.5 - 29.0 BEDROCK - dark grey to dark brown colour - Fine grained - moderate to strong foliation - visible biotite flakes - < 1% disseminated sulphides - < 1% disseminated carbonate - < 1% quartz veins with finely disseminated sulphides - Metasediment - greywacke	-	-	5	1.2		
30									
31									
32									
33									
34									
35									
36									
37			29.0 EOH						
38									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 34 Mars 1987 Sondage No: BOB-03 Localisation: SITE 22

Géologue: DH, RSI-S, RM Sondeur: H. Durett Outil: CB68B17 Métrage: 49.2-62.7

Poste (heures) _____

_____ à _____ Sondage: 16:15 → 17:30 07:30 → 08:30

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 8:30 → 8145

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (on bedrock) Au	As		calc Mb
0			0-2.0 OJIBWAY II SEDS						
1		N/S	soft brown clay some sandy intervals.						
2			2.0-12.0 MATHESON TILL. (Distinct contact)						
3		01	2.0-9.5 50-60% meta sedo - volcan 40-50% granite pebbles+cobbles	0	—	209	3.8		—
4			light gray silty sandy matrix.						
5		02	9.5-11.0 Till becomes very cobbly fine grained sand-silt matrix.	0	—	249	2.8		—
6				0	—				
7		03	clast composition 75% metasedo-volcs. 25% granitoids			228	2.9		—
8		04	11.0-11.5 Metasediments boulder.	0	—	272	25.0		—
9			11.5-12.0 Till 80% metasedo-volcs 20% granitoids						
10		05		0	—	<6	27.0		—
11		06	12.0-13.5 BASEMENT - Strong foliation. Biotite rich. Dark brown color. => metasediment	0	—	21	19.0		—
12		07		0	—	10	18.0		—
13		08 broken		—	—	<2	0.7		
14			13.5 EOH						

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE Mars 4 19 87 Sondage No: BoB 04 Localisation: site 21

Géologue: DH, RSTJ, RM Sondeur: H. Du reff Outil: CB68817 Métrage: 62.7-89.7

Poste (heures) _____

_____ à _____ Sondage: 8:45 - 12:15

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: ~~[illegible]~~

_____ Déplacement sur le site suivant: 12:15 → 12:30

ECHELLE: 1:100 Page 1 de 2

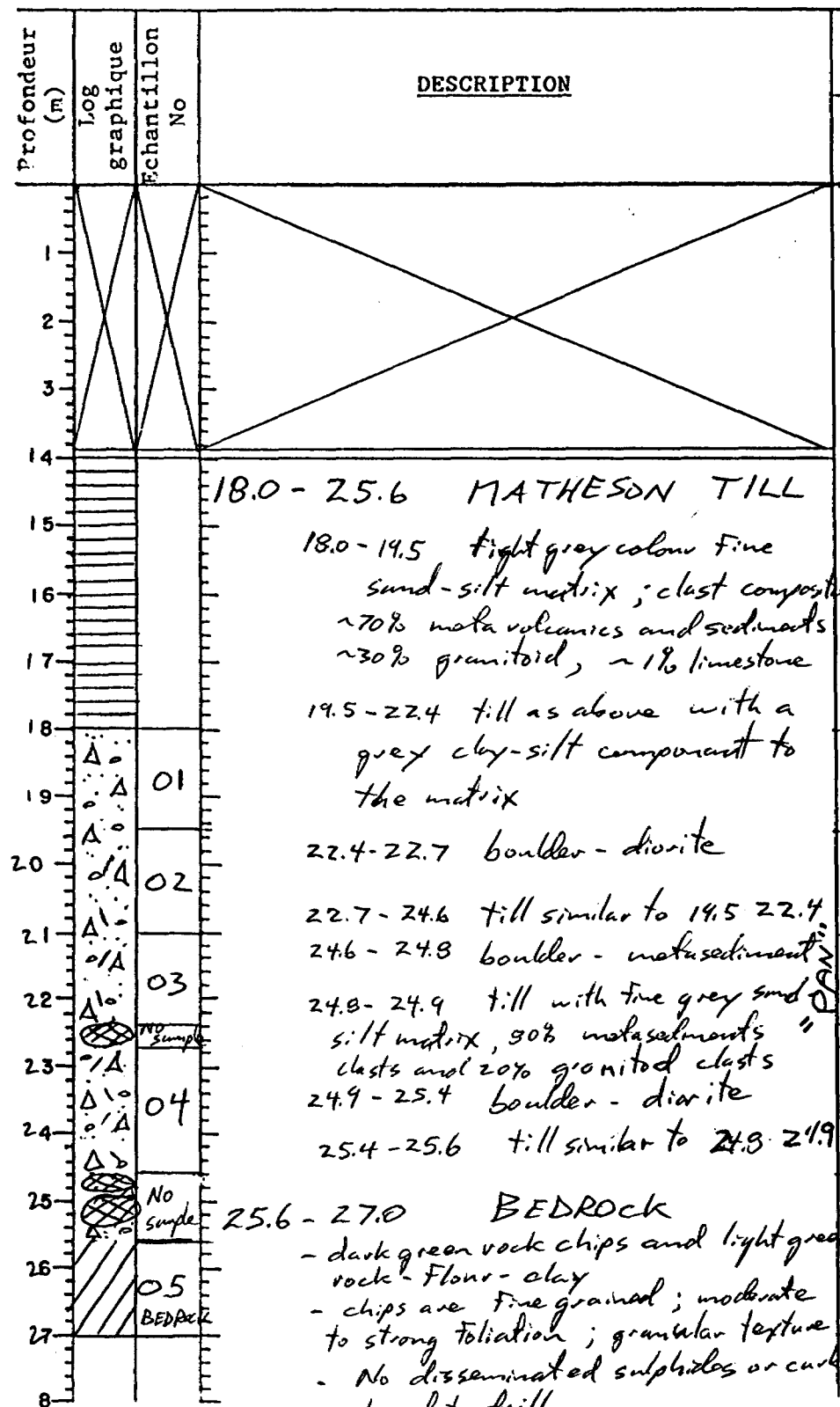
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0			0 - 2.0 Organics
1			2.0 - 18.0 OJIBWAY II SEDIMENTS
2			2.0-13.0 light grey colour pure clay with silt and fine sand interbeds, soft
3			
4			13.0 - 18.0 pure grey clay, soft
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-04



DESCRIPTION

18.0 - 25.6 MATHESON TILL

18.0 - 19.5 light grey colour Fine sand-silt matrix; clast composition ~70% meta volcanics and sediments ~30% granitoid, ~1% limestone

19.5 - 22.4 till as above with a grey clay-silt component to the matrix

22.4 - 22.7 boulder - diorite

22.7 - 24.6 till similar to 19.5 22.4

24.6 - 24.8 boulder - metasediment

24.8 - 24.9 till with fine grey sand silt matrix, 90% metasediments clasts and 20% granitoid clasts

24.9 - 25.4 boulder - diorite

25.4 - 25.6 till similar to 24.8 24.9

25.6 - 27.0 BEDROCK

- dark green rock chips and light green rock - Flour - clay
- chips are Fine grained; moderate to strong foliation; granular texture
- No disseminated sulphides or carbonate
- hard to drill

Intermediate to mafic volcanic

GOLD GRAINS		analyses of HMC (or bedrock)			
#	dom type	Au	As		cube M3
0	-	56	90.1		-
0	-	<6	28.0		-
1	A	1600	37.0		4296
0	-	263	23.0		-
-	-	3	1.3		

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 4 Mars 1987 Sondage No: BOB-05 Localisation: Site # 18

Géologue: DH, RST-J, RM Sondeur: H. Durett Outil: CB68818 Métrage: 0 - 21.0

Poste (heures) _____

_____ à _____ Sondage: 12:30 → 13:45

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: NEW BIT # CB68818

_____ Déplacement sur le site suivant: 13:45 → 14:00

ECHELLE: 1:100 Page 1 de 2

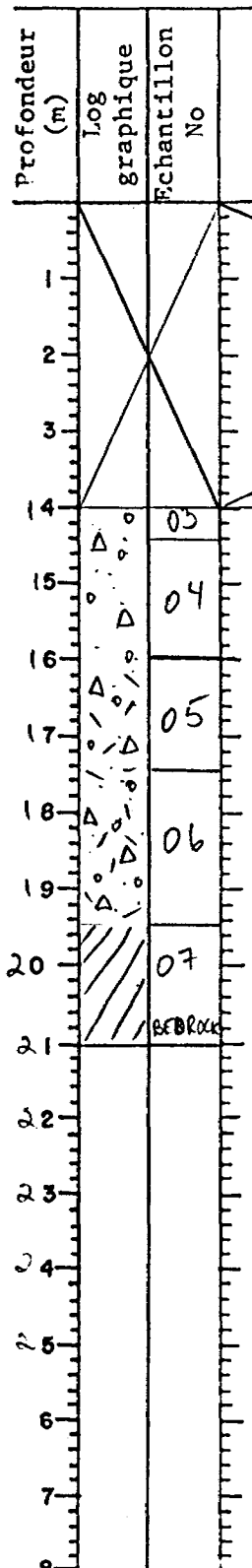
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (on bedrock) Au	As		calc Mb
0		N-S	0.0 - 6.8 OJIBWAY II SEDS						
			0.0 - 6.2 fine brown-beige soft clay fine sand and pebbles interbeds						
			6.2 - 6.8 fine gray beige soft clay.						
			6.8 - 19.5 MATHESON TILL						
			6.8 - 16.2 fine gray beige sand-silt matrix pebbles and cobble						
			clasts: 60% meta sediment/vole. 40% granitoids.						
7		01		0	—	120	37.0		—
11		02		0	—	13	41.0		—
13		03		1	I	16	21.0		481
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB - 05

ECHELLE: 1:100



DESCRIPTION

16.2 - 19.5. Till as above with clay-silt matrix.

19.5 - 21.0 **BASEMENT.**

fine grained, dark brown strongly foliated metasediment. some pyrite (on fracture?) biotite rich

21.0 EOH

GOLD GRAINS		analyses of HMC (on bedrock)			
#	dom type	Au	As		
0	-	61	29.0		-
0	-	94	38.0		-
0	-	64	37.0		-
-	-	<2	<0.5		

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 4 Aug 1987 Sondage No: BOB-06 Localisation: SITE 17

Géologue: DH, RSJ, RM Sondeur: H. Duett Outil: CBGB13 Métrage: 1.0 - 4.7

Poste (heures) _____

_____ à _____ Sondage: 14:00 -> 15:55

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 15:55 → 16:15

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0			0.0 - 2.0 ORGANICS
1			2.0 - 16.5 OJIBWAY II SEDS
2			2.0 - 16.5 fine grey clay. moderately compact at surface, soft down section.
3			
4			
5			
6		N/S	
7			
8			
9			
10			
11			
12			
13			
14			

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-06

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (on bedrock) Au	As		calc Mb
1–14									
14–16		N/S	16.5 - 20.2 MATHESON TILL Light gray sand-silt matrix very cobbly and pebbly. clasts: 70 % meta seds - volcs 30 % granitoids up to 2% limestones						
19		01	16.8 - 17.4 metasediment boulders.	0	–	29	59.8		–
20		02	17.4 - 18.5 diorite(?) boulders	2	A	7410	68.2		2877
21		03 BEDROCK	20.2 - 21.7 BEDROCK Dark brown, strongly foliated metasediment ~1% quartz veins. biotite rich some contamination from 01/B.	–	–	<2	<0.5		
22–8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE Mars 4,5 19 87 Sondage No: BoB-07 Localisation: site 16

Géologue: DH, RStJ, RM Sondeur: H. Du rett Outil: CB6B8IB Métrage: 42.7-57.0

Poste (heures)

____ à ____ Sondage: 16:15 - 18:00 07:30 → 08:45

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 8:45 - 9:15

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (on bedrock) Au	As	Cu/Sb	ube ppb
1-2			0 - 2.5 OJIBWAY II SEDIMENTS . light brown colour sandy and silty clay						
3		01	2.5 - 12.7 MATHESON TILL . distinct contact with overlying clay	1	A	235	2.5		198
4-5		02	2.5 - 8.3 light grey colour fine sand-silt matrix; pebble and cobble clasts composition 50% volcanics/sediments 50% granitoid	1	A	110	1.9		38
6		03		0	-	57	16.0		-
7-8		04	8.3 - 9.2 boulder - metasediment 9.2 - 10.8 till similar to 2.5 - 8.3	2	A	713	19.0		580
9		No sample							
10		05	10.8 - 12.7 till clasts composition changes to approximately 80% volcanics/sediments 20% granitoid and 1 - 2% limestone.	0	-	1850	31.0		-
11		06		0	-	24	54.0	596	-
12		07	12.7 - 14.3 BEDROCK Dark brown to dark grey strongly foliated metasediment (?)	1	A	160	47.0	4.7	7362
13		08	some Quartz veins some contamination from above.	-	-	<2	<0.5		
14		BED ROCK	14.3 EOH.						

"PAN"

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 5 Mars 1987 Sondage No: BOB-08 Localisation: SITE 23

Géologue: RSt-J, DH, RM Sondeur: H. Durett Outil: CB 68818 Métrage: 570 77.0

Poste (heures) _____

_____ à _____ Sondage: 09:15 - 11:15

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 11:15 - 11:30

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0			0.0 - 0.5 ORGANICS
1			0.5 - 17.6 OJIBWAY II SEDS
2			0.5 - 0.8 Light brown clay.
3			0.8 - 3.2 sand intervals with silty interbeds.
4			3.2 - 17.6 pure soft light gray clay with sandy interbeds
5			clay is pure after 11.0.
6			
7			
8			
9			
10			
11			
12			
13			
14			

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB 08

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		calc Mb
1–14									
15–17			17.6 - 18.5 MATHESON TILL Very sandy, light beige till matrix., cobbles, pebbles. Clasts: 40% volcs-seds. 60% granitoïds (large amount of sample return)						
18		01		0	-	<6	14.0		-
		02		0	-	26	16.0		-
19		03		-	-	6	0.6		
20		BED ROCK	18.5 - 20.0 BEDROCK - Dark brown to dark gray - strong foliation - biotite - hornblende(?) - chlorite. => metasediment.						
21–25			20.0 EOH						
6–8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 5 Mars 1987 Sondage No: BOB 09 Localisation: Site 24

Géologue: RSTJ, DH, RM Sondeur: H. Dunett Outil: CB 68818 / CB 68820 Métrage: 77.0-88.2 / 0-11.8

Poste (heures)

____ à ____ Sondage: 11:30 - 14:30

TOTAL Problèmes: Pull rods and refrac bit at 11.2 m.

Contractant (heures) Divers: New Bit # CB 68820

Déplacement sur le site suivant: 14:30 - 14:45

ECHELLE: 1:100 Page 1 de 2

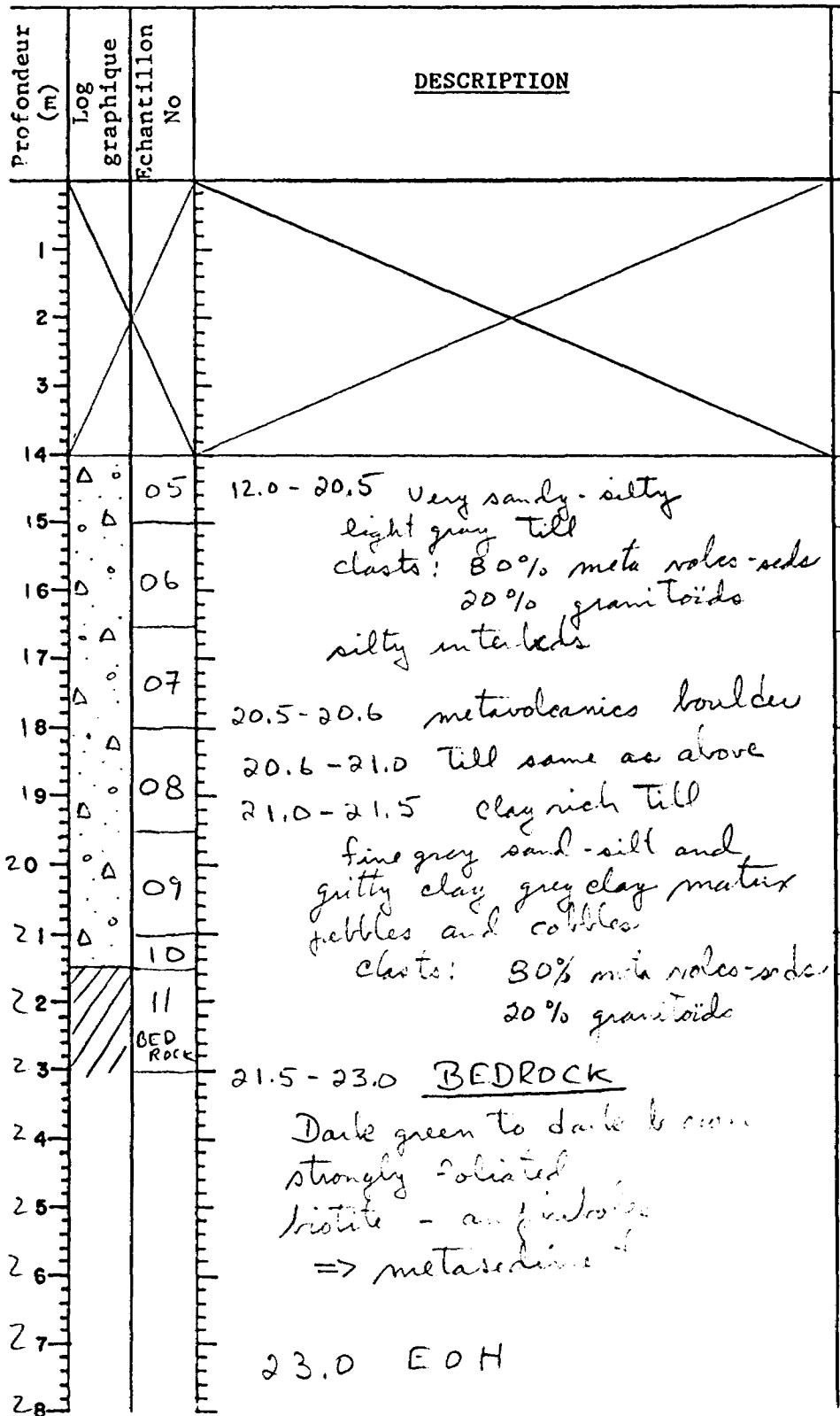
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As	W	cale Mb
0			0.0 - 1.0 ORGANICS						
1			1.0 - 6.5 COCHRANE TILL						
2			Light grey brown silty-sandy till with clay in matrix.						
3			few pebbles & granules						
4			50% granitoids						
5		N/S	45% meta volc & seds						
6			5% limestone						
7			6.5 - 7.5 OJIBWAY II SEDS						
8		01	gradational contact to fine grey clays	0	-	<5	24.0		-
9			7.5 - 21.5 MATHESON TILL						
10		02	7.5 - 11.2 light grey to light brown sandy silty till	0	-	93	19.0		-
11		03	contains 25% meta volc - volcs	0	-	110	18.0	173	-
12		NS	30% granitoids						
13		04	<1% limestone	0	-	60	21.0		-
14		05	11.2 - 12.0 Granitoid boulder very hard to drill						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-09



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		Sb ppb
14		05	12.0 - 20.5 Very sandy - silty light grey till clasts: 80% meta volcs-seds 20% granitoïds silty interbeds	0	-	94	36.0		-
16		06		0	-	21	25.0		-
17		07		1	A	223	34.0		75
18			20.5 - 20.6 metavolcanics boulder						
19		08	20.6 - 21.0 Till same as above	0	-	18	20.0		-
20		09	21.0 - 21.5 clay rich Till fine grey sand - silt and gritty clay grey clay matrix pebbles and cobbles clasts: 80% meta volcs-sedc 20% granitoïde	0	-	54	29.0		-
21		10		0	-	54	19.0		-
22		11 BED ROCK		-	-	6	0.9		
23			21.5 - 23.0 BEDROCK Dark green to dark brown strongly foliated biotite - amphibole => metasediment						
27			23.0 EOH						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 5 Mars 1987 Sondage No: BOB-10 Localisation: Site 25

Géologue: DH, RSt-J, RM Sondeur: H. Duett Outil: CB 6B820 Métrage: 11.8 - 26.3

Poste (heures)

____ à ____ Sondage: 14:45 - 16:45

TOTAL Problèmes: poor sample recuperation in till

Contractant (heures) Divers:

Déplacement sur le site suivant: 16:45 - 17:00

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As	W	calc Mb
0			0.0 - 0.6 ORGANICS						
1			0.6 - 1.5 COCHRANE TILL light brown sandy clay						
2		N/S	1.5 - 13.0 MATHESON TILL						
3			light grey to beige sandy-silty matrix, pebbles, cobbles						
4		01	clasts: 50% meta volcs - sedis	0	—	130	67.7		—
5		N/S	50% granitoids						
6			2.2 - 2.5 Metasediment boulder						
7		02	4.2 - 5.0 Granitoids boulders very hard to drill.	0	—	24	87.2	104	—
8			12.0 - 12.0 Till as above clay in matrix						
9		03		0	—	485	24.0		—
10			13.0 - 14.5 BEDROCK						
11			Dark green to dark grey rock Biotite-chlorite foliation up to 1.5 cm (sic)						
12		04	carbonate (calcite) crystals up to 3 mm (HCl test +)	1	A	160	25.0		171
13		05	Quartz veining						
14		BED ROCK		—	—	<2	1.2		

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-10

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
1									
2									
3									
4	////	05	BEDROCK (cont'd) There is a definite alternance of dark green facies (metavolcanics) and dark brown facies (metasedi- ments) => Transition zone between the two facies.						
5									
6									
7									
8									
9									
0									
1									
2									
3									
4									
5									
6									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 6/3 1987 Sondage No: BOB-11 Localisation: Site 26

Géologue: DH, JL, YB Sondeur: H. Duret Outil: CB68820 Métrage: 26.3-37.4

Poste (heures) _____

_____ à _____ Sondage: drill 7:00-8:45

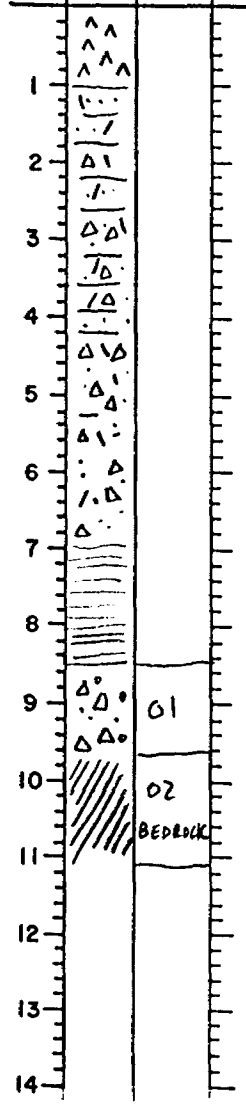
TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 8:45-9:00

ECHELLE: 1:100 Page 1 de 1



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (on bedrock) Au	As		calc Mb
			0-1.0 Organics						
			1.0-7.0 COCHRANE TILL pure beige brownish clay with fine sand and much grit (gritty clayey matrix) few pebbles, clasts 50% vole/sed, 45% granite, 5% limestone						
			7.0-8.5 OJIBWAY II SEDIMENTS gradational contact with overlying clayey till pure gray clay, soft						
		01	8.5-9.6 MATHESON TILL distinct contact with overlying clay f.gr. sandy silty matrix with pebbles and small cobbles 58% vole/sed, 40% granite, 2% limestone	0	-	47	28.0		-
		02 BEDROCK	9.6-11.1 BEDROCK f.gr. dark grey biotite amphibole schist (metasediment) ~5-10% qtz vein no calcite, no visible sulfide	-	-	3	0.6		

COGEMA CANADA LIMITEE EOH 11.1 (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE Mars 6 19 87 Sondage No: BOB-12 Localisation: site 27

Géologue: JL, DH, YB Sondeur: H. Duretl Outil: CB68820 Métrage: 37.4 - 71.2

Poste (heures) CB68819 0 - 4.9

____ à ____ Sondage: 9:00 - 14:15

TOTAL Problèmes: pull rods to replace bit at 33.8m

Contractant (heures) Divers: NEW BIT CB68819

Déplacement sur le site suivant: 14:15 → 15:45

ECHELLE: 1:100 Page 1 de 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (on bedrock) Au	As		calc Mb
0			0 - 1.2 Organics						
1			1.2 - 4.4 COCHRANE TILL						
2			- gritty gray-beige clay matrix; clasts composition ~50% volcanics ~50% granitoid ~1% limestone						
3									
4									
4			4.4 - 6.8 OJIBWAY II SEDIMENTS						
5			- pure gray clay, soft						
6									
7			6.8 - 24.3 MATHESON TILL						
8		01	- distinct contact with overlying clay unit	7	A	1270	28.0		1373
9			6.8-21.9 - fine gray-beige sand-silt matrix; pebbles and small						
10		02	cobbles composition approximately 60% volcanics/sediments 40% granitoid trace limestone	0	-	352	24.0		-
11		03		1	A	130	28.0		498
12			- upto 90% volcanics/sediments clasts						
13		04	and 20% granitoid downsection to 21.9	0	-	55	18.0		-
14		05							

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB - 12

ECHELLE: 1:100

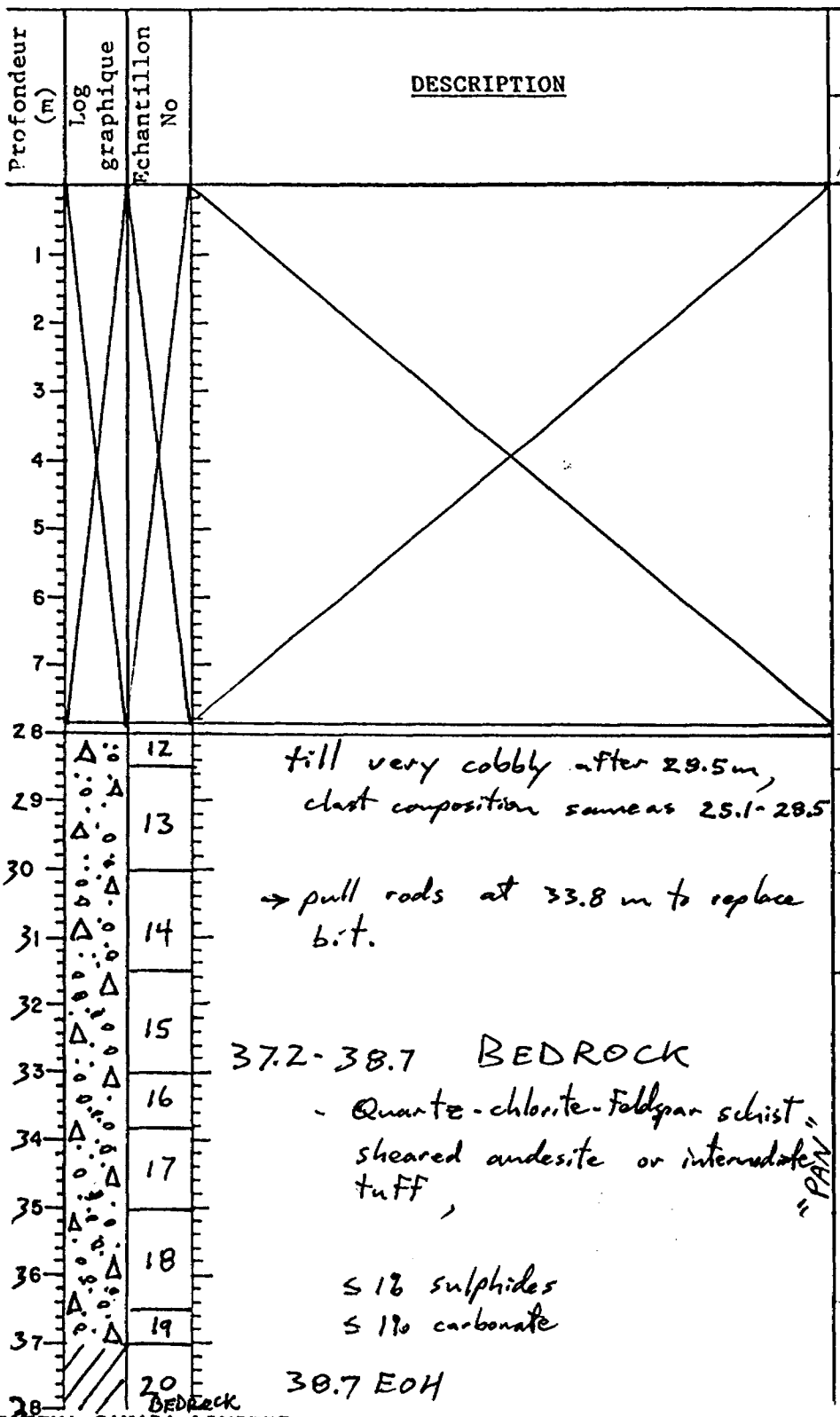
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mp
14		05		0	–	140	29.0		–
15			21.9-24.3 very clay-rich till green-grey gritty, compact clay matrix, clast composition ~ 60% volcanics, 40% granitoid						
16		06		0	–	110	19.0		–
17		07		0	–	130	23.0		–
18		08	24.3 - 25.1 MISSINAIBI SEDIMENTS (OSIBWAY I SEDIMENTS)	0	–	30	30.0		–
19			- gradational contact with overlying till unit						
20		09	- pure gray-green clay, very compact, very hard to drill	8	A	1490	89.4		3260
21									
22									
23		10	25.1-37.2 LOWER TILL - distinct contact	0	–	337	47.0		–
24		No sample							
25			25.1-28.9 grey-beige to grey colour, fine sand to silt matrix; cobble clasts composition approximately 50-60% granitoid ~ 40% volcanics/sediments ~ 1% limestone						
26		11		2	A	33	20.0		23
27		12		19	A	6020	32.0		7568
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BoB-12

ECHELLE: 1:100



GOLD GRAIN #	dom type	analyses of HMC (or bedrock) Au	As		Lab ppb
3	A	1300	5.3		2117
1	A	439	<4.1		523
7	A	373	<4.5		489
13	A	868	<3.9		593
1	A	7:4	7.0		82
0	–	413	<3.2		–
0	–	<13	6.8		–
–	–	3	<0.5		

"PAN"

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 6/3 1987 Sondage No: BoB-13 Localisation: Site 15

Géologue: JF, DH, YB Sondeur: H. Dureth Outil: CB68819 Métrage: 4.9-14.9

Poste (heures)

____ à ____ Sondage: 15:45 → 17:15

TOTAL Problèmes: bouldery till, slow drilling

Contractant (heures) Divers:

Déplacement sur le site suivant: 17:15 → 17:30

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (on bedrock) Au	As		carb Pb
1			0-1.8 COCHRANE TILL light beige brown clay v. minor sand						
2			1.8-8.5 MATHESON TILL distinct contact with overlying clays						
3		01	very cobbly till, fine gr. sandy silty matrix 58% volc/sed, 40% granitic, 2% limestone clasts	1	A	1320	7.3		832
4		N/S							
5		02	3.5-4.0 - metasediment boulder	1	A	52	71.6		557
6									
7		03		0	–	97	39.0		–
8			8.5-10.0 BEDROCK						
9		04 BEDROCK	f.gr. amphibole biotite schist (metasediment) no visible sulfide, no visible calcite well foliated <1% qtz veinlets	–	–	<2	0.6		
10									
11									
12			EOH 10.0						
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 7/3 1987 Sondage No: BoB-14 Localisation: Site 14

Géologue: JL, DH, YB Sondeur: H. Duretl Outil: CB6BB19 Métrage: 14.9 - 24.1

Poste (heures)

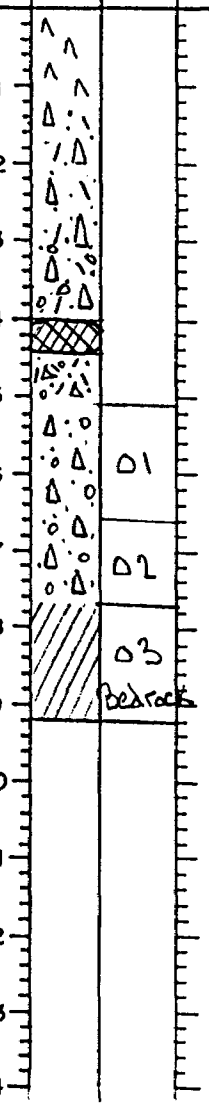
____ à ____ Sondage: 7:00 - 8:45

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 8:45 - 9:00

ECHELLE: 1:100 Page 1 de 1



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		ult Mb
			0 - 1.5 organics						
			1.5 - 5.1 Cochrane Till sandy brown clay turns quickly to sandy gritty grey clay, clasts ~5% sand content decreases with depth but no really pure clay 4.0 - 4.4 granite boulder						
			5.1 - 7.7 MATHESON Till abrupt contact with overlying unit light beige grey fine sandy silty matrix pebbles, cobbles ~50/50 (MV, MS/GRANITIC) with ~1% limestone						
6		01		0	-	243	33.0		-
7		02		0	-	<9	34.0		-
8		03 bedrock	7.7 - 9.2 Bedrock metasediment biotite amphibole schist, foliated, fine gr, dark grey 7.9 minor green dyke or alteration on fractures 8.2 qtz vein with minor sulfide 8.9 qtz veinlets	-	-	6	0.6		
13			EOH 9.2						

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 7/3 19 97 Sondage No: BoB-15 Localisation: Site 5

Géologue: JL, DH, YB Sondeur: H. Durell Outil: CB 68819 Métrage: 24.1-34.6

Poste (heures) _____

____ à ____ Sondage: 9:00 - 10:20

TOTAL Problèmes: Not enough sample, redrilled 8.0-9.0 for more sample volume

_____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 10:20 - 10:30

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		calc Mb
1			0 - 2.0 ORGANICS						
2			2.0 - 6.0 Cochrane Till pure grey clay changes quickly to sandy, then sandy gritty grey clay						
3									
4									
5									
6			6.0 - 8.0 OJIBWAY II SEDIMENTS pure grey clay, gradational contact with Cochrane Till						
7									
8		01	8.0 - 9.0 MATHESON Till abrupt contact with overlying clays f. sandy silty grey beige matrix but cobbly clasts 70/30 (MV, MS/GR) with ~1% limestone	0	-	48	28.0		-
9		02 BEDROCK		-	-	<2	<0.5		
10									
11			9.0-10.5 BEDROCK metasediments f. gr. grey biot. amph. schist V. minor qtz veinlet < cm scale no visible sulfide, no calcite						
12									
13									
14			10.5 thin qtz vein						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 7/3 1987 Sondage No: BoB-16 Localisation: Site 4

Géologue: JL, DH, YB Sondeur: H. Duretl Outil: CB 68819 Métrage: 34.6-57.1

Poste (heures) _____

_____ à _____ Sondage: 10:30 - 12:15

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 12:15 - 12:30

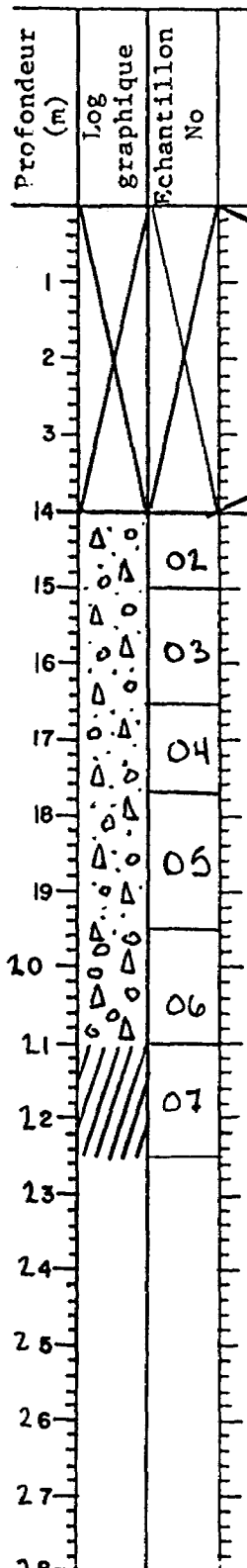
ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		ale Mb
1–9			0 - 9,5 COCHRANE TILL 0-4.0 pure brown clay quickly becomes sandy 4.0-9.5 grey, sandy, gritty soft clay						
9–12			9,5 - 12,0 OJIBWAY II SEDIMENTS pure dark grey soft clay transitional contact with Cochrane Till						
12–14		01 02	12,0 - 21,0 MATHESON TILL abrupt contact with overlying clays fine sandy silty light beige matrix clasts ~ 50/50 (MS, MV/GR) with ~1% limestone	0	–	71	17.0		–

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100 BOB-16



DESCRIPTION

16.0 - 21.0 note that clasts now ~ 80/20 (MS, MV/GR)

17.5 - 18.8 matrix becomes bluish and clayey (still fine sand and silt in matrix)

19.5 - 21.0 till very cobbly, sample probably not very good (rock flour contamination)

21.0 - 22.5 BEDROCK

metasediment

f. gr. biot. amph. schist

dark greenish grey, becomes more dark grey with depth (fresher rock)

v. minor qtz vein, no visible sulf, no cc

21.7 greenish mafic dyke ?

EOH 22.5

GOLD GRAINS		analyses of HMC (on bedrock)			
#	dom type	Au	As		calc Mb
0	-	130	16.0		-
0	-	249	22.0		-
0	-	31	21.0		-
0	-	160	52.2		-
0	-	607	20.0		-
-	-	4	<0.5		

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 7/3 1987 Sondage No: BoB-17 Localisation: Site 3

Géologue: JL, DH, YB Sondeur: H. Durett Outil: CB 6BB21 Métrage: 0 - 39.8

Poste (heures) _____

_____ à _____ Sondage: 12:30 - 17:30

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: NEW BIT CB 6BB21

_____ Déplacement sur le site suivant: 17:30 - 18:00

ECHELLE: 1:100 Page 1 de 4

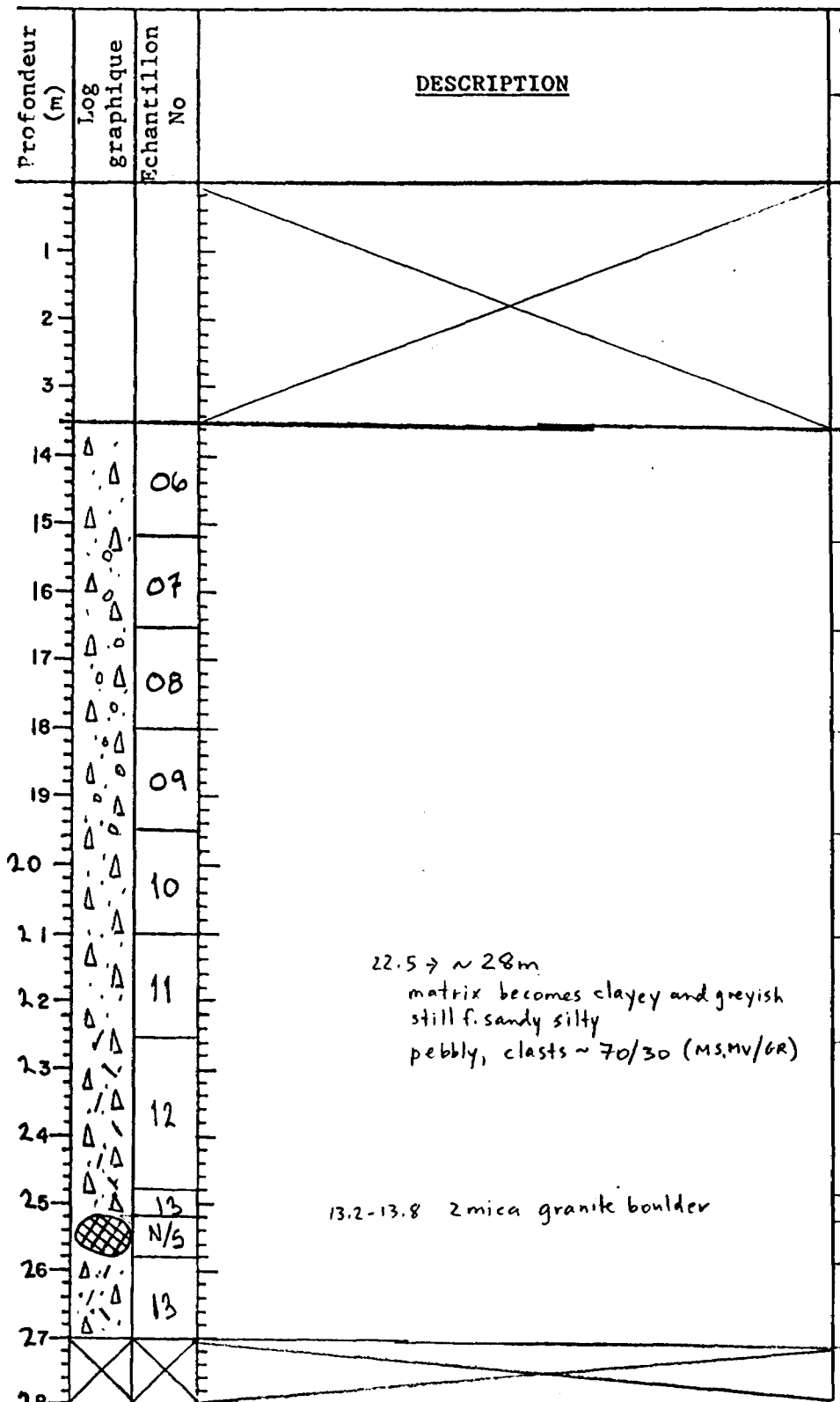
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		calc Mb
1–4			0 - 4.2 COCHRANE TILL brown clay with minor grit hard at surface, softer at depth						
4–5		01	4.2 - 38.1 MATHESON TILL abrupt contact with overlying clay Fine sandy, silty light beige matrix pebbly, clasts ~50/50 (MS, MV/GR)	0	–	1100	<3.5		–
6–7		02		0	–	2350	3.7		–
8–9		03		0	–	14	10.0		–
10–11		04		0	–	<9	18.0		–
12–13		05		0	–	160	26.0		–
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-17



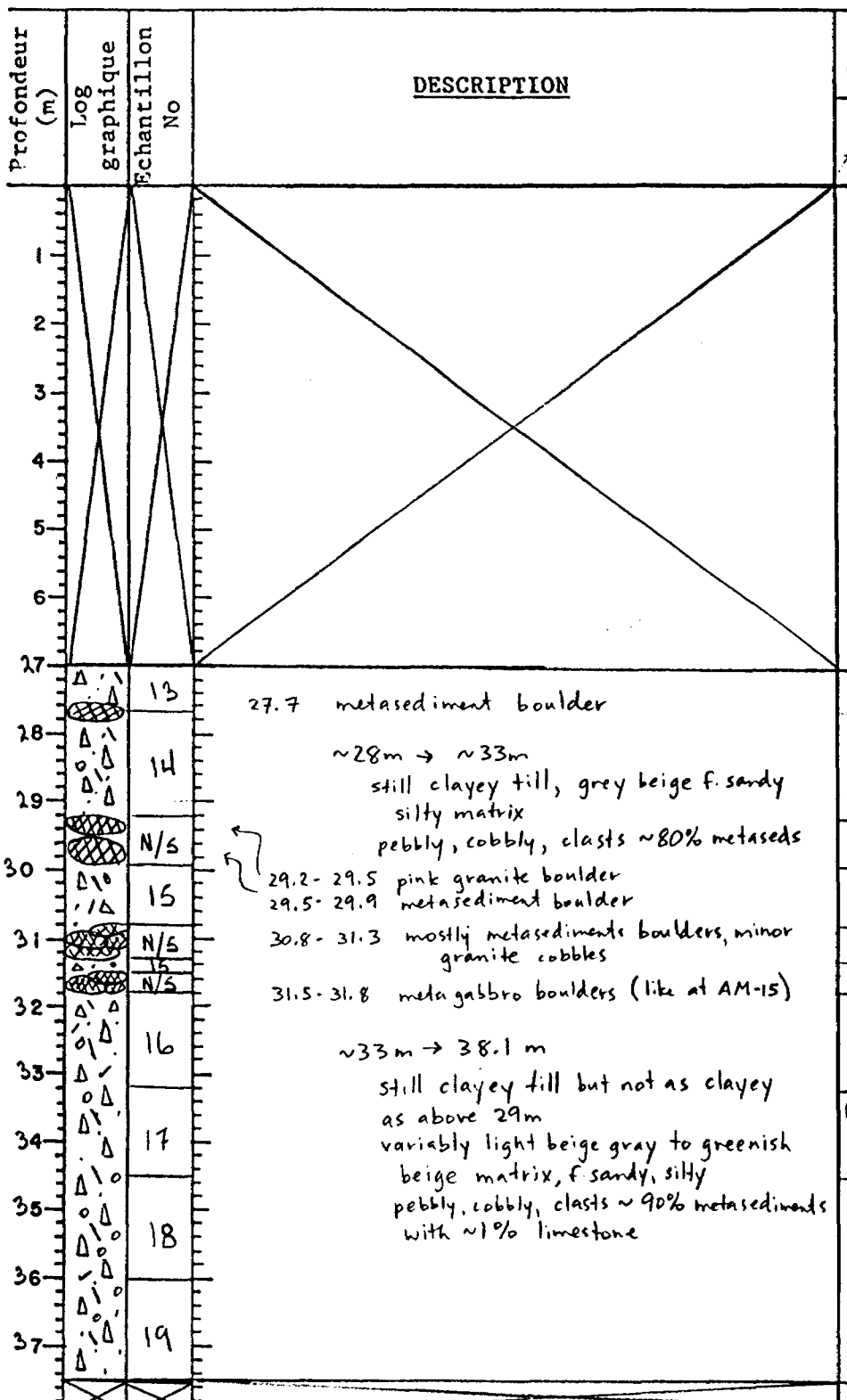
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (on bedrock) Au	As		calc Mb
1									
2									
3									
14		06		0	–	120	24.0		–
15									
16		07		0	–	720	23.0		–
17		08		0	–	33	17.0		–
18									
19		09		0	–	37	19.0		–
20		10		0	–	100	28.0		–
21									
22		11	22.5 → ~28m matrix becomes clayey and greyish still f. sandy silty pebbly, clasts ~ 70/30 (MS,MV/GR)	0	–	332	31.0		–
23									
24		12		0	–	150	21.0		–
25		13	13.2-13.8 2 mica granite boulder						
		N/S							
26									
27		13		0	–	42	33.0		–
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB - 17



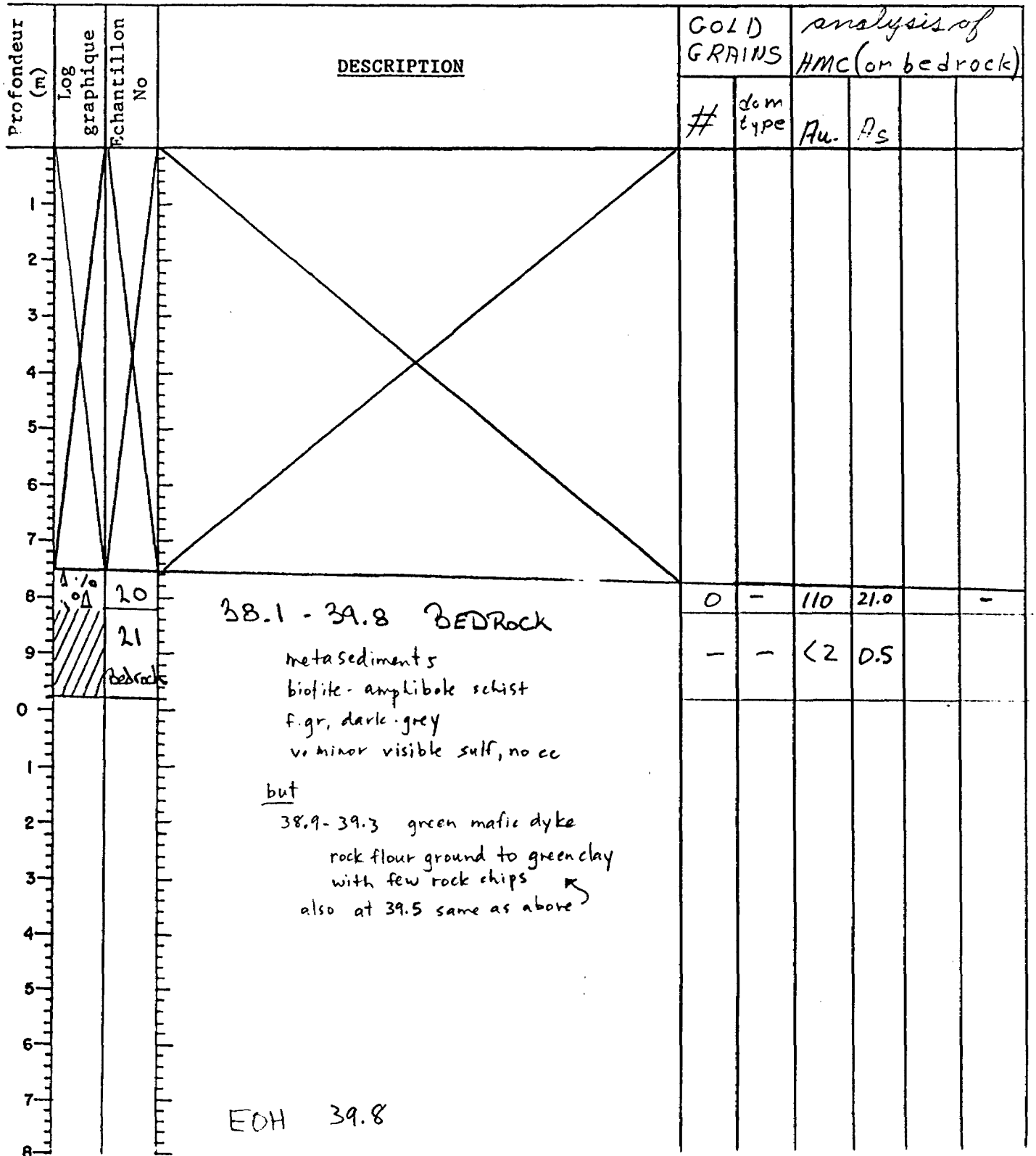
DESCRIPTION	GOLD GRAINS #	dcm type	analyses of HMC (on bedrock) Au	As		calc MPO
27.7 metasediment boulder						
~28m → ~33m still clayey till, grey beige f. sandy silty matrix, pebbly, cobbly, clasts ~80% metaseds	1	A	25	50.7		22
29.2 - 29.5 pink granite boulder 29.5 - 29.9 metasediment boulder	0	–	69	41.0		–
30.8 - 31.3 mostly metasediments boulders, minor granite cobbles	↑	↑	↑	↑	↑	↑
31.5 - 31.8 meta gabbro boulders (like at AM-15)						
~33m → 38.1 m still clayey till but not as clayey as above 29m, variably light beige gray to greenish beige matrix, f sandy, silty, pebbly, cobbly, clasts ~90% metasediments with ~1% limestone	0	–	67	32.0		–
	(1→I) 3	A	438	30.0		214
	1	A	282	30.0		123
	1	A	62	24.0		358

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-17



BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 8/3 1987 Sondage No: BoB-18 Localisation: Site 13

Géologue: JL, DH, YB Sondeur: H. Durett Outil: CB 68822 Métrage: 0.-27.2

Poste (heures) _____

_____ à _____ Sondage: 7:00 - 11:00

TOTAL Problèmes: _____

_____ Divers: NEW BIT CB68822 BUT CB68821 still good; bit was

Contractant (heures) changed in anticipation of deep hole

_____ Déplacement sur le site suivant: 11:00 - 11:15

ECHELLE: 1:100 Page 1 de 2

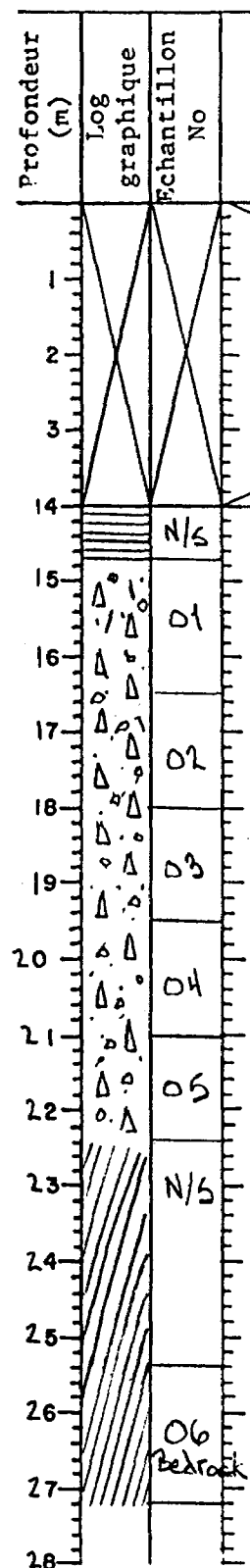
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0			
1			0 - 1.5 ORGANICS
2			1.5 - 11.5 COCHRANE SEDIMENTS / TILL
3			grey clay becomes sandy, gritty with depth.
4			
5			
6			
7		N|S	
8			
9			
10			
11			
12			11.5 - 14.7 OSIBWAY II SEDIMENTS
13			pure clay, soft, grey contact not distinct
14			

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-18



DESCRIPTION

14.7 - 22.5 MATHESON Till

contact with overlying clays seemed abrupt, then clay rafts and clayey till were encountered over first ~ 2m

fine sandy, silty grey beige matrix pebbly, cobbly, clasts ~ 50/50 (MV, MS/GR) with ~ 1% limestone

19.5-21.0 very cobbly till

22.5 - 27.2 BEDROCK

22.5-25.5 bedrock strongly contaminated with material from overlying till due to caving in around rods and/or very fractured or rubbly bedrock

→ metasedimentary biot amph schist f. gr. dark grey

EOH 27.2

GOLD GRAINS		analyses of HMC (on bedrock)			
#	dom type	Au	As	W	calc mpb
1	A	180	46.0		190
0	-	<13	27.0	155	-
0	-	32	25.0		-
0	-	<13	7.3		-
1	A	225	7.1	118	135
-	-	4	1.0		

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 8/3 1987 Sondage No: BoB-19 Localisation: Site 12

Géologue: JL, DH, YB Sondeur: H. Durett Outil: CB68822 Métrage: 27.2-55,5

Poste (heures) _____

_____ à _____ Sondage: 11:16 - 13:45

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 13:45 - 14:00

ECHELLE: 1:100 Page 1 de 2

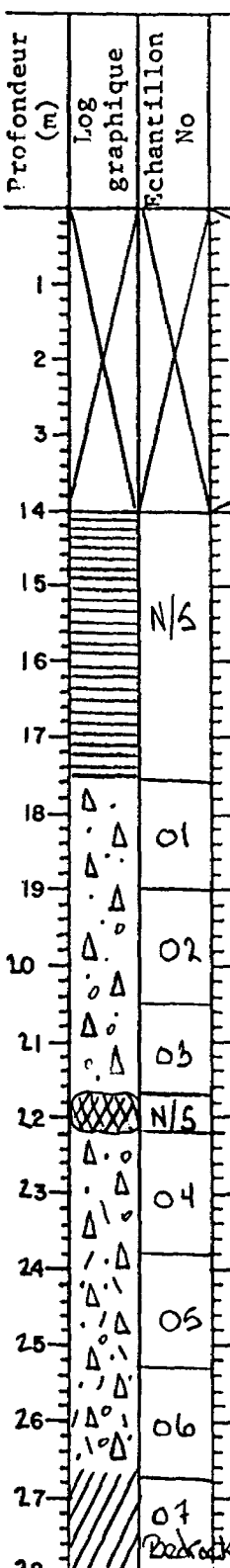
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0			0 - 4,4 ORGANICS
4			4,4 - 12,5 COCHRANE TILL blue grey very clayey till minor sand, grit, soft
7		N/S	
12			12,5 - 17,5 OJIBWAY II SEDIMENTS contact with till above reasonably distinct soft pure blue grey clay
14			

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-19



DESCRIPTION

minor sand lens just above Matheson Till

17.5 - 26.8 MATHESON Till
contact with overlying clays abrupt
fine sandy, silty grey beige matrix
pebbly, cobbly, clasts ~50/50 (MS,MV/GR)
with ~1% limestone

21.7 - 22.2 gabbro boulder

23.5 - 26.8 till becomes clayey (hard clay)
but still fine sandy, silty, grey beige
clasts now ~80% MS, MV

26.8 - 28.3 BEDROCK
metasedimentary
biot-amph schist
f.gr. dark grey
minor quartz vein
minor contamination from above units

GOLD GRAINS		analysis of HMC (or bedrock)			
#	dom type	Au	As		calc Mb
1	A	302	23.0		166
0	-	24	33.0		-
1	I	(1250)	26.0		100
0	-	87	4.0		-
1	A	265	11.0		150
0	-	36	17.0		-
-	-	<2	0.9		

COGEMA CANADA LIMITEE

EOH 28.3

(Doc. #0050U-A)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 8/3 1987 Sondage No: BoB-20 Localisation: Site 11

Géologue: DH, VB, JL Sondeur: H. Durett Outil: CB68822 Métrage: 55,5 - 89,3

Poste (heures)

____ à ____ Sondage: 14:00 - 19:15 PM

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 19:15 - 19:30

ECHELLE: 1:100 Page 1 de 2

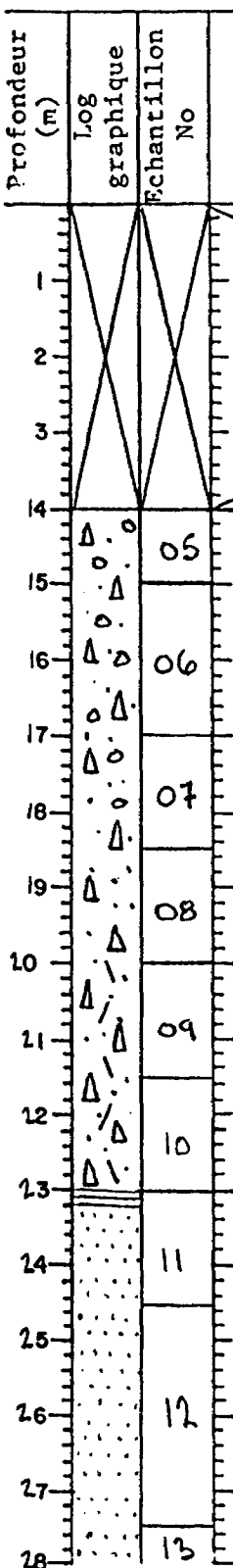
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	Analyses of HMC (or dedrock) Au	As		calc Pb
0			0 - 1.0 ORGANICS						
1			1.0 - 5.5 COCHRANE SEDIMENTS/TILL						
2		N/S	1.0-4.0 gritty gray-beige clay few pebbles						
3									
4			4.0-5.5 beige sand						
5			5.5-7.8 OJIBWAY II SEDIMENTS pure gray clay moderately compact - gradational contact with overlying sediments						
8			7.8 - 23.0 MATHESON TILL - distinct abrupt contact						
9		01	7.8-13.5 Fine gray sand-silt matrix Pebbles and Cobbles composition ~ 60% V/S 40% Granitoide	0	-	180	38.0		-
10		02		0	-	17	30.0		-
11									
12		03	13.5-20.5 More pink cobbles ie. increase in % of granitoid cobbles	0	-	<8	29.0		-
13		04		0	-	170	21.0		-
14		05							

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB - 20



DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mb
	1	A	180	25.0		50
	1	A	120	26.0		54
	1	A	1890	27.0		1424
20.5 - 23.0 Clay - rich till - Gray Sand, silt and grey-green clay matrix Pebbles/Cobbles ~ 75/25	0	-	100	19.0		-
	0	-	94	20.0		-
	0	-	50	15.0		-
23.0 - 31.8 MISSINAIBI SEDIMENTS - thin layer of very compact platy gray - green pure clay overlying sand	0	-	40	15.0		-
- Interbedded medium and coarse beige sand (some fine sand interbeds) and thin pebble gravel beds - Clast composition ~ 75% granitoid 5% limestone, 20% V/S - Very high rate of sample return,	1	A	39	<4.2		90

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-20

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		cale mb
1–28									
29		13	30.8 - 31.2 Pebble/cobble gravel with some fine, medium to coarse sand; Clasts ≈ 70/30	0	-	<10	5.6		-
30		14	31.2 - 31.5 Coarse, medium sand interbedded with pebble ≈ 23.0 - 30.8	0	-	<9	4.1		-
31	6.0 O.D.	15	31.5 - 31.8 Pebble/cobble gravel ≈ 30.8 - 31.2	0	-	100	4.8		-
32		16 Bedrock	31.8 - 33.8 BEDROCK	-	-	5	1.0		
33			- A lot of contamination from overlying sand and gravel unit due to casing around rods - Bedrock soft and possibly fractured						
34			- Dark gray brown colour						
35			- Fine grained; granular texture						
36			- Moderate to strong Foliation						
37			- Metasediments						
38									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 9/3 1987 Sondage No: BoB-21 Localisation: site 10

Géologue: RSt, DH, RM Sondeur: H. Duretti Outil: CB68822 / CB68847 Métrage: 89.3-114.4 / 0-20.0

Poste (heures)

____ à ____ Sondage: 7:30 - 13:15

TOTAL Problèmes: pull rods to change bit at 25.1m

Contractant (heures) Divers: NEW BIT CB68847 NEW BIT SUB

Déplacement sur le site suivant: 13:15 - 13:30

ECHELLE: 1:100 Page 1 de 4

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS % comp type	analyses of HMC (or bedrock) Au	As		calc Pb
1–14		N/S	0-0.5 ORGANICS 0.5-3.7 COCHRANE TILL Light brown clay with pebbles and sandy-silty interbeds 3.7-15.5 OJIBWAY II SEDIMENTS 3.7-8.0 light gray clay with few pebbles and fine grained sand interbeds 8.0-15.5 light beige fine sand and silt. 13.0-13.0 organic material medium red-brown wood and branches.						
11–13		01		0	—	14	<2.4		—

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100 BOB-21

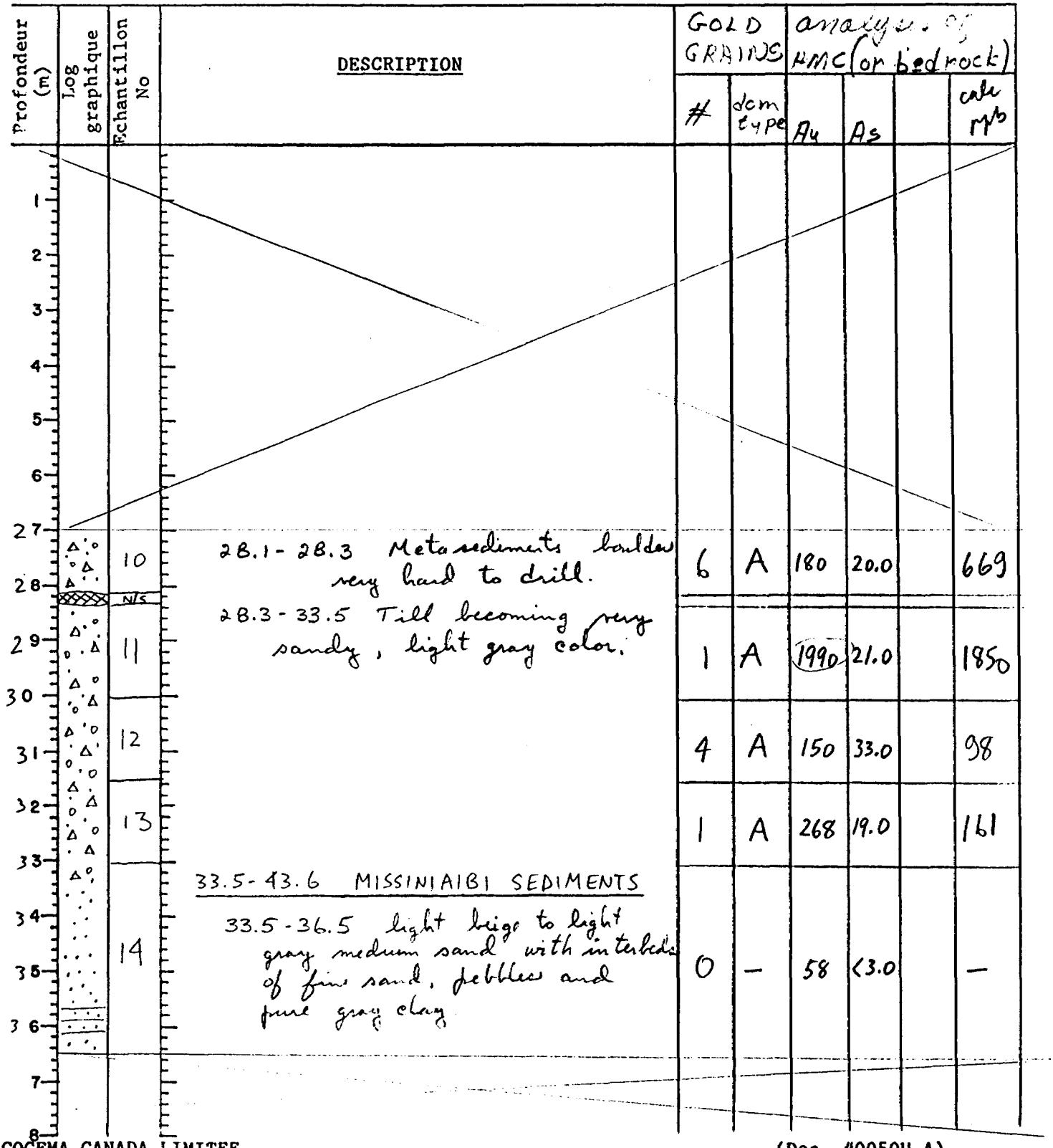
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mpb
1									
2									
13									
14		02		0	-	46	13.0		-
15			15.5 - 33.5 MATHESON TILL						
16		03	15.5 - 23.0 light gray sand-silt matrix cobbles, pebbles	0	~	80	24.0		-
17			clasts composition:						
18			70% meta volcs + sedts						
19		04	30% granitoids + others	0	-	<8	14.0		-
20		05		0	-	<8	16.0		-
21									
22		06		0	-	<8	20.0		-
23		07	23.0 - 25.0 Till as above, but up to 3% limestone.	0	~	160	15.0		-
24									
25		08	25.0 - 28.1 Till as above, no limestone	0	-	16	10.0		-
26		09		0	-	180	24.0		-
27									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

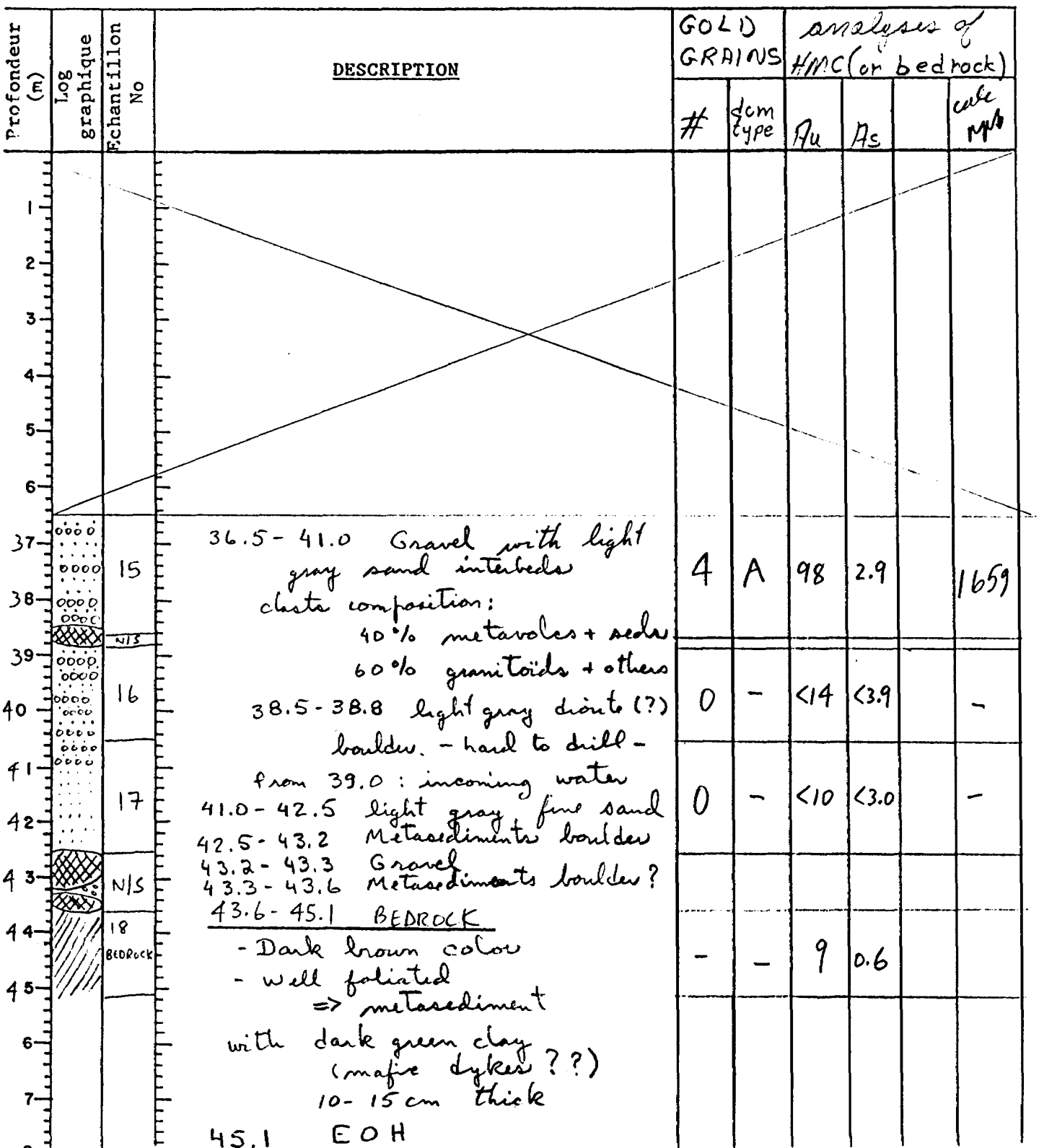
BOB-21



BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100 BOB-21



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		cale mg/t
37		15	36.5 - 41.0 Gravel with light gray sand interbeds clasts composition: 40 % metavolcs + sedts 60 % granitoïds + others	4	A	98	2.9		1659
38		N/S							
39		16	38.5 - 38.8 light gray diorite (?) boulder. - hard to drill -	0	-	<14	<3.9		-
40			from 39.0 : incoming water						
41		17	41.0 - 42.5 light gray fine sand	0	-	<10	<3.0		-
42			42.5 - 43.2 Metasediments boulder						
43		N/S	43.2 - 43.3 Gravel 43.3 - 43.6 Metasediments boulder?						
44		18 BEDROCK	43.6 - 45.1 BEDROCK - Dark brown color - well foliated => metasediment with dark green clay (mafic dykes ??) 10 - 15 cm thick	-	-	9	0.6		
45			45.1 EOH						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 9/3 1987 Sondage No: BOB-22 Localisation: site 1

Géologue: RSt), DH, RM Sondeur: H. Duretl Outil: CB68847 Métrage: 20.0 - 52.7

Poste (heures) _____

_____ à _____ Sondage: 13:30 - 15:45

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 15:45 - 16:00

ECHELLE: 1:100 Page 1 de 3

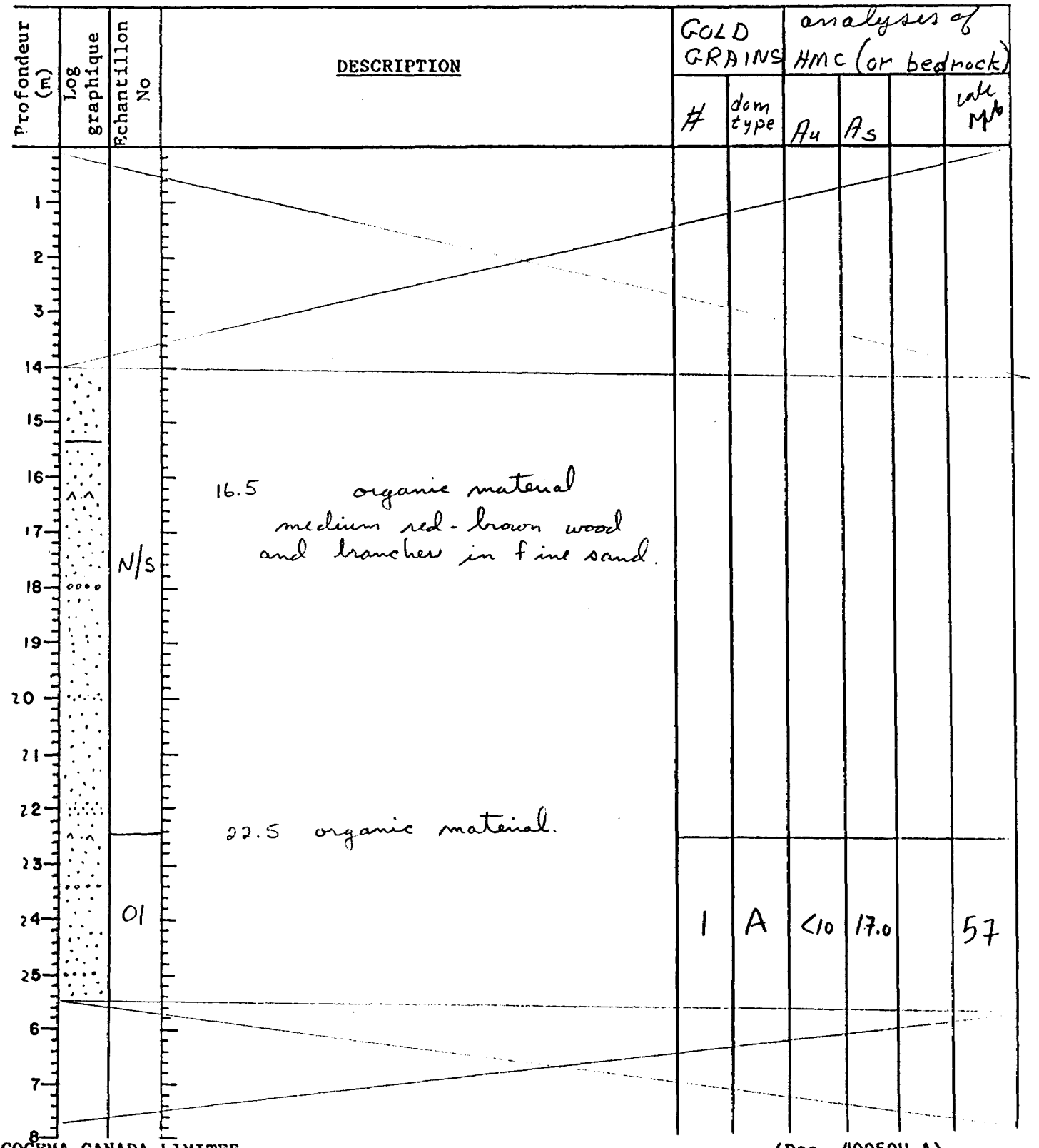
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
1–14		N/S	0-3.0 ORGANICS 3.0 - 6.2 COCHRANE SEDIMENTS/TILL Light gray sandy clay medium hardness some pebbles 6.2 - 31.2 OJIBWAY II SEDIMENTS 6.2 - 12.0 Pure light gray clay. very soft with fine sand interbeds fining upward sequence. 12.0 - 26.5 Mostly fine silty sand with interbeds of light gray clay. or coarser sand.

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100 BOB-27



BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB - 22

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		Sb
1									
2									
3									
4									
5									
26			26.5-31.2 Light beige to light gray fine sand with coarse sand intervals and fine light gray clay interbeds						
27		02		0	-	100	20.0		-
28									
29		03		0	-	75	22.0		-
30		04		0	-	<8	12.0		-
31		05 BEDROCK	31.2 - 32.7 BEDROCK - Dark gray colour - fine grained - very strong foliation - no carbonates - soft rock (breaks with fingernail) => metasediment.	-	-	<2	<0.5		
32									
33									
34									
5									
6									
7									
8			32.7 EOH						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 9-10 March 1987 Sondage No: BOB-23 Localisation: SITE #2

Géologue: R.St-J, DH, RM Sondeur: H. Durett Outil: CB 68847 Métrage: 52.7-86.8

Poste (heures)

____ à ____ Sondage: 16:00-18:00 09:00-11:15

TOTAL Problèmes: 87-03-10 Drill defreezing 07:30-09:00

_____ No sample returned 23.0-24.0 Pulled rods: bit was plugged

Contractant (heures) Divers:

_____ Déplacement sur le site suivant: 11:15-12:00

ECHELLE: 1:100 Page 1 de 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mb
0			0.0-0.5 ORGANICS O, A, B Horizons						
1			0.5-6.5 COCHRANE SEDS Light brown to light gray clay, sandy and pebbly						
2									
3									
4									
5									
6		N/S	6.5-12.5 OJIBWAY II SEDS Light greenish-gray fine clay						
7									
8									
9									
10									
11									
12			12.5-23.0 MATHESON TILL Distinct contact with overlying clay 12.5-17.7 fine gray-beige sandy silt matrix, pebbles and cobbles clasts composition: 60% meta volc+sed 40% granitoids+other 1-2% limestones	1	A	86	19.0		99
13		01							
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-23

ECHELLE: 1:100

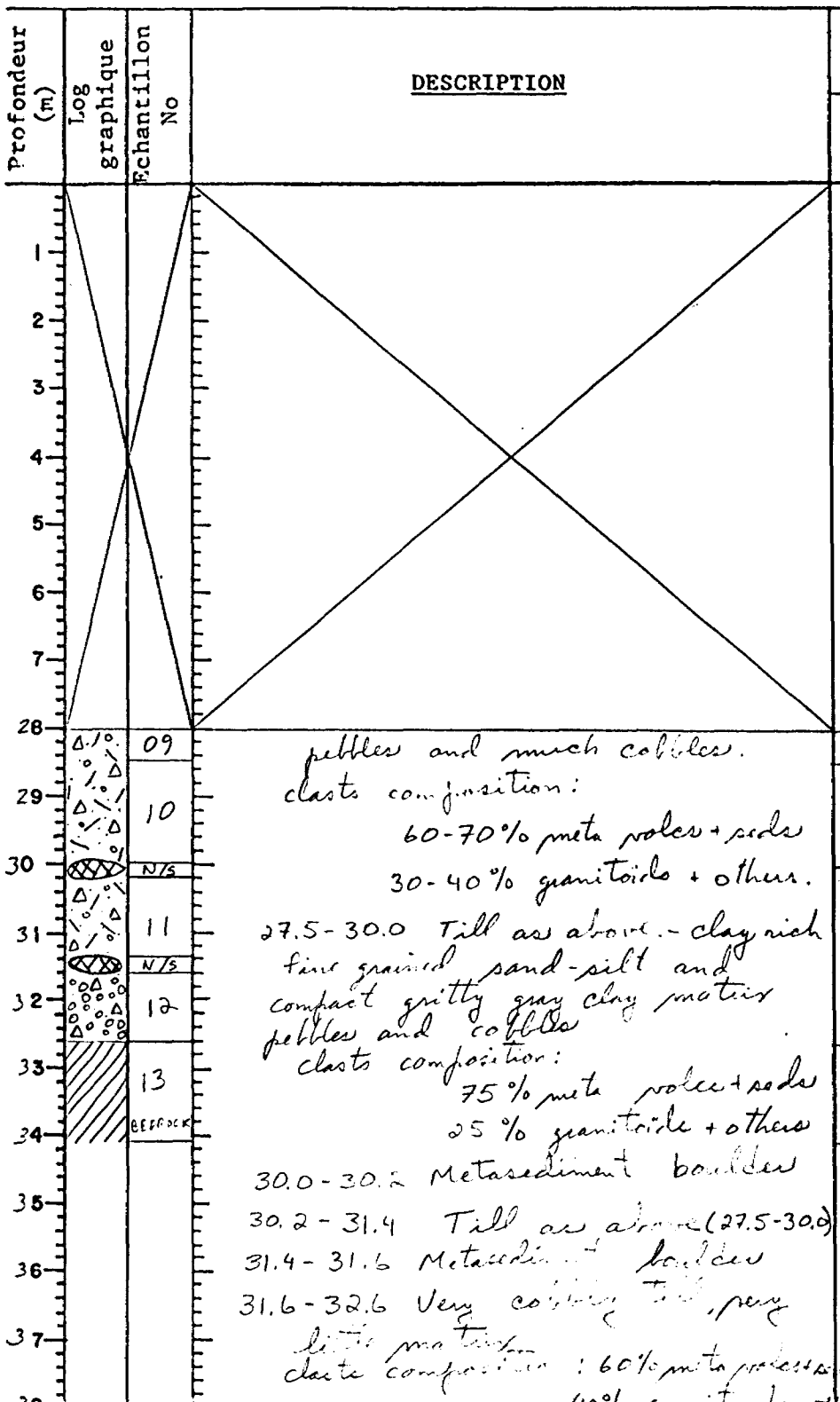
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Au/b
1									
2									
3									
14									
15		01							
16		02		0	–	170	27.0		–
17		03		0	–	<9	32.0		–
18		N/S	17.7 - 18.2 Metasediments boulder						
19		04	18.2 - 21.1 Till as above clasts composition 70% meta seds + volcs. 30% granitoids + others	1	A	445	29.0		713
20		05		1	A	3550	31.0		3088
21		N/S	21.1 - 21.4 Metasediments boulder						
22		06	21.4 - 22.5 Till as above	0	–	130	22.0		–
23		N/S	22.5 - 23.0 till as above with sandy and pebbly clay						
24			23.0 - 24.0 OSIBWAY I SEDIMENTS ? No sample returned from 23.0 - 24.0. Rods are pulled. Bit is plugged by very compact gray clay.						
25		07		1	A	190	31.0		26
26		08	24.0 - 32.6 LOWER TILL Fine gray sand silt matrix	0	–	<9	39.0		–
27		09		1	A	724	38.0		400
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB 23

ECHELLE: 1:100



DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (on bedrock) Au	As		
pebbles and much cobbles. clasts composition: 60-70% meta volcs + sedis 30-40% granitoids + others.	0	-	49	93.5		-
27.5-30.0 Till as above - clay rich fine grained sand-silt and compact gritty gray clay matrix pebbles and cobbles clasts composition: 75% meta volcs + sedis 25% granitoids + others	1	A	506	80.9		722
	3	A	1580	13.0		5343
30.0-30.2 Metasediment boulder	-	-	<2	<0.5		
30.2-31.4 Till as above (27.5-30.0)						
31.4-31.6 Metasediment boulder						
31.6-32.6 Very cobbly Till, very little matrix clasts composition: 60% meta volcs + sedis 40% granitoids + others						

(cont'd)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB 23

ECHELLE: 1:100

page 3 continued

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
			32.6 - 34.1 BEDROCK - dark gray color - fine grained - strong foliation - granular texture - <1% disseminated carbonates ⇒ metasediment 34.1 EOH

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 10 Mars 1987 Sondage No: BOB 24 Localisation: Site # 9

Géologue: RSt-J, DH, RM Sondeur: H. Durette. Outil: CB68848 Métrage: 0.0 - 41.6

Poste (heures)

____ à ____ Sondage: 12:00 - 18:00

TOTAL Problèmes: Rods stuck in hole - "Super Poly 2000" used to pull rods

Drill maintenance 18:00 - 18:30 (hydraulic hoses)

Contractant (heures) Divers: NEW BIT CB68848

Déplacement sur le site suivant: 18:30 - 19:00

ECHELLE: 1:100 Page 1 de 4

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mp
0			0.0 - 0.2 ORGANICS						
1			0.2 - 2.9 COCHRANE SEDS						
2		N/S	light brown sandy and pebbly "hard" clay.						
3		01	2.9 - 24.2 MATHESON TILL						
		N/S							
		01		0	-	<7	<2.3		-
4		N/S	2.9 - 3.0 Light gray sandy-silty matrix pebbles and cobbles clasts composition: 60% meta volcs + seds 40% granitoids + others						
5		02		0	-	349	<3.0		-
6									
		03	3.0 - 3.5 Metasediment boulder	0	-	100	<2.8		-
7			3.5 - 3.8 Till as above						
8		04	3.8 - 4.4 Metasediment boulder	0	-	39	8.0		-
9			4.4 - 5.8 Till with light gray sand silt matrix, pebbles, cobbles clasts composition: 60% meta seds + volcs 40% granitoids up to 5% limestone						
10		05		0	-	22	18.0		-
11									
		06		0	-	110	16.0		-
12			5.8 - 7.0 Till with light gray-beige sand silt matrix, pebbles, cobbles clasts 50-60% meta seds + volcs 50-40% granitoids						
13		07		1	I	<10	20.0		60
		08							
14			7.0 - 18.0 Till as in 4.4 - 5.8						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB 24

ECHELLE: 1:100

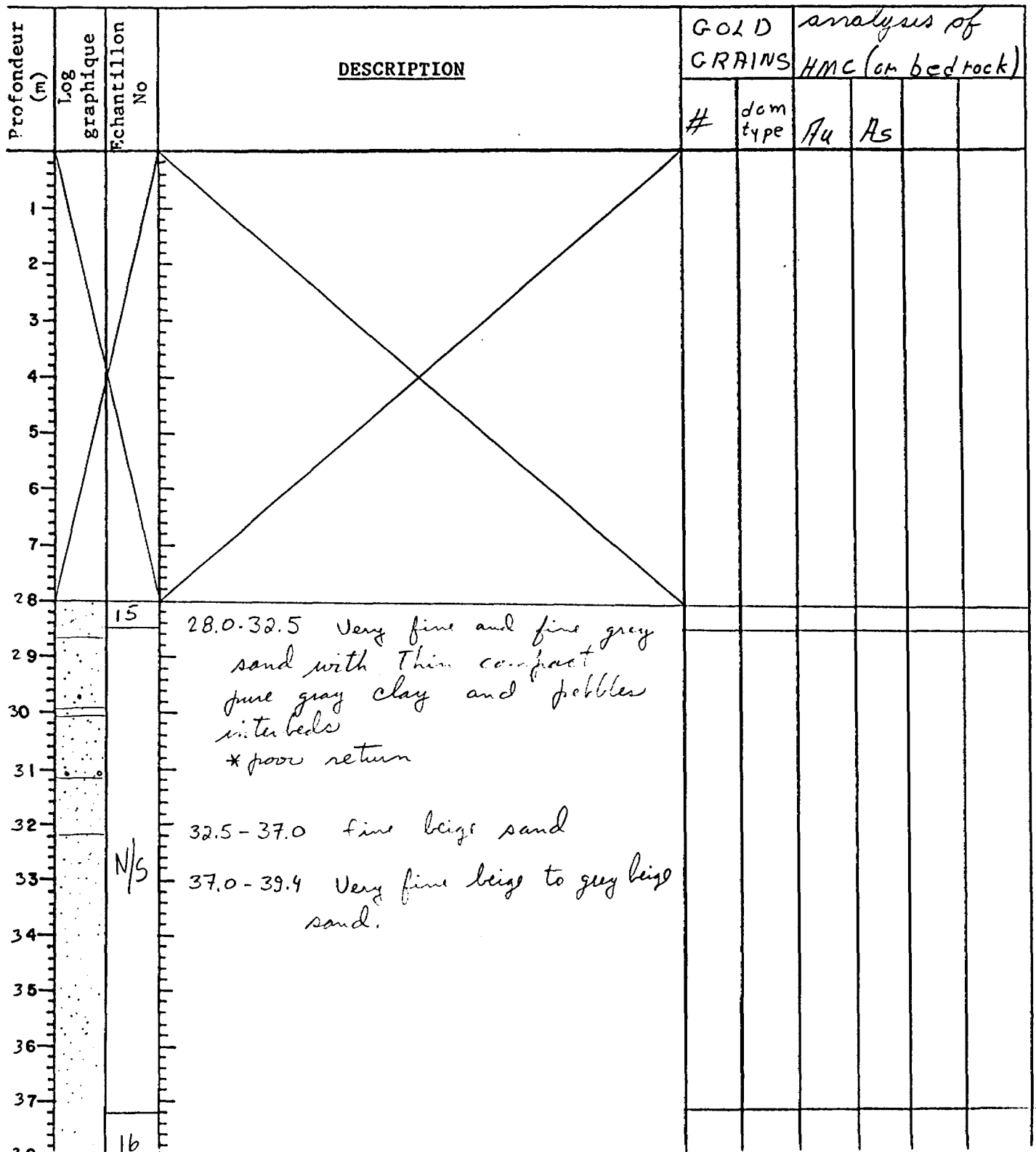
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc ppb
1									
2									
3									
14									
15		08		0	-	28	40.0		-
16		09		0	-	120	22.0		-
17		10		0	-	31	20.0		-
18		11	18.0-19.5 Till as above with sandy light gray clay lumps and clay on pebbles.	0	-	130	26.0		-
20		12	19.5-24.2 Till as 7.0-18.0	0	-	76	22.0		-
22		13		0	-	120	25.0		-
23		14		0	-	930	29.0		-
24			24.2-39.5 MISSINAIBI SEDS						
25		15	24.2-28.0 Very fine grey-beige to beige sand. Few pebbles. * from return	0	-	55	13.0		-
26									
27									
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB 24

ECHELLE: 1:100



BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BoB-24

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mg
1–37									
38		16	39.4-39.5 Metavolcanics boulder	0	-	21	40.0		-
39			39.5-40.8 LOWER TILL						
			Light gray fine sand and silt matrix cobbles, pebbles. Clasts composition:						
40		17	50% meta sedis + volcs	1	I	512	44.0		156
			45-47% granitoids						
41		18 BEDROCK	3-5% limestones	-	-	<2	<0.5		
			very cobbly, few matrix.						
42			40.8-41.6 BEDROCK						
			- Dark grey color.						
43			- Fine grained						
44			- moderate to strong foliation						
45			- disseminated carbonates.						
			⇒ metasediment						
46									
47			41.6 EOH						
			Hole stopped because of very high torque on rodes.						
48									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 11 Mars 1987 Sondage No: BOB 25 Localisation: Site #8

Géologue: R.St-J, DH, RM Sondeur: H. Durett Outil: CB6B848 Métrage: 41.6-82.1

Poste (heures)

____ à ____ Sondage: 07:30 - 14:45

TOTAL Problèmes: SP 2000 drilling fluid still in tanks this morning => lots of fines in suspension for samples ø1 to ø5

Contractant (heures) Divers: Rods stuck in hole - SP 2000 used to pull rods

Déplacement sur le site suivant: 14:45 - 15:00

ECHELLE: 1:100 Page 1 de 4

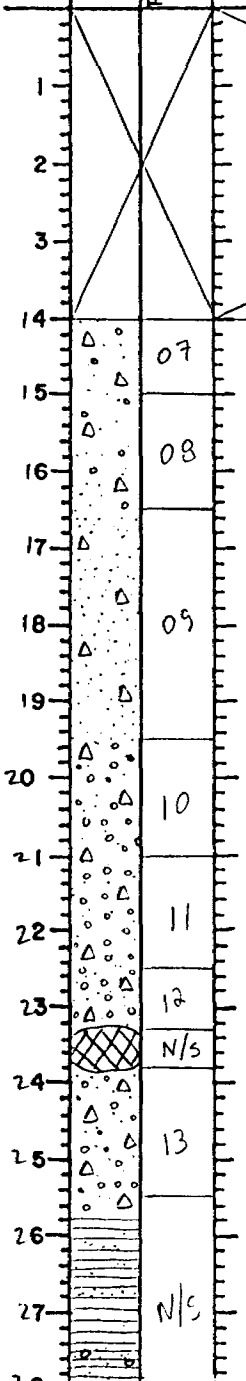
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		calc ppb
1		N/S	0.0 - 0.2 ORGANICS 0.2 - 1.7 COCHRANE SEDS Light brown silty - sandy clays						
2									
3		01	1.7 - 25.8 MATHESON TILL light beige sandy silty matrix cobbles, pebbles. Clasts composition: 60% meta volcs + sedis 40% granitoids ≤ 3% limestones 1.7 - 2.0 Metasediment boulders	0	-	89	<3.7		-
4		02		0	-	110	3.7		-
5									
6		03		0	-	26	16.0		-
7			2.0 - 5.0 Till as above						
8		04	5.0 - 12.6 Till as above with light grey matrix	0	-	<10	20.0		-
9									
10		05	12.6 - 13.2 Metasediment boulders 13.2 - 16.5 Till as above (5.0 - 12.6)	0	-	120	22.0		-
11									
12		06		0	-	81	25.0		-
13		N/S							
14		07		0	-	110	40.0		-

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB 25

ECHELLE: 1:100



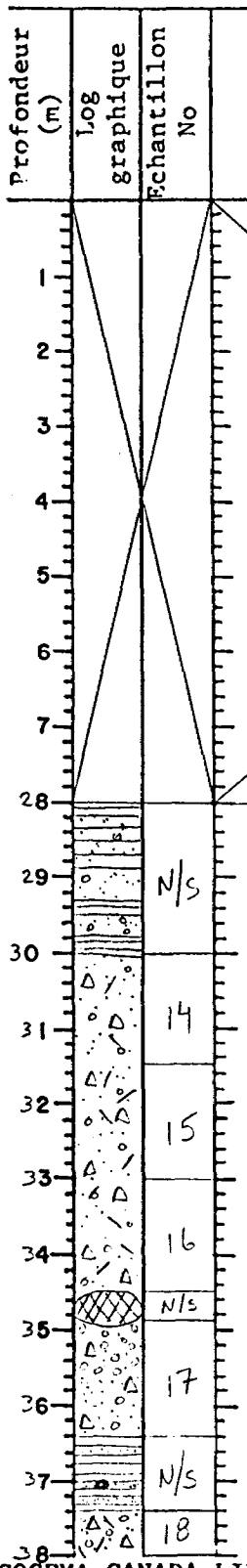
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		wide Mb
14		07	16.5-19.5 Very fine light gray sand and silt. Light gray soft fine clay interbeds with coarse sand intervals. Very sandy						
16		08		1	I	930	24.0		386
17		09	19.5-23.3 Light gray sandy-silty matrix, very cobbly and pebbly. clasts composition: 60% meta seds + volcs 40% granitoids + others.	3	A (1-D)	227	20.0		323
20		10	23.3-23.8 Metasediment boulder	1	A	261	27.0		95
21		11	23.8-25.8 Till as above with 1-2% limestone.	0	-	130	29.0		-
22		12	25.8-30.0 MISSINAIBI SEDS	0	-	36	23.0		-
23		N/S							
24		13	Light gray, sandy-silty, hard clay with coarse sand intervals cobbles and pebbles	0	-	17	28.0		-
25									
26		N/S							
27									
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB 25

ECHELLE: 1:100



DESCRIPTION

30.0-38.0 LOWER TILL

30.0-32.8 Light gray silt-sand matrix, light gray clay inclusions, cobbles, pebbles clasts composition: 50% meta volcs-sedis
50% granitoïde
1% limestone

32.8-34.5 Till as above, clay rich

34.5-34.9 Metasediment boulders

34.9-35.6 Till as above light gray sandy matrix, very cobbly clasts composition:
60% meta volcs-sedis
40% granitoïde
3-4% limestone

35.6-36.4 Till as above, very sandy

36.4-37.4 Light to medium dark gray clay, fissile (platy) with silty-sandy interbeds

GOLD GRAINS		analyses of HMC (or bedrock)			
#	dom type	Au	As		
0	-	93	25.0		-
0	-	120	28.0		-
0	-	<10	33.0		-
0	-	37	77.3		-
1	A	1910	47.0		1313

(Doc. #0050U-A)

COGEMA CANADA LIMITEE

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB 25

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
1–38									
38–40		19 BEDRK	37.4-38.0 Till, clay rich compact gritty, gray to gray green silt-clay matrix; pebbles, cobbles. Clasts composition: 60% meta volcanics 40% granitoids-others	–	–	<2	1.1		
40–48			38.0-40.5 BEDROCK Mixed bedrock rock cuttings and clay. clay is: - Dark green (chlorite) - soft. Rock is: - very foliated - very soft - very fissured and fractured - rich in chlorite, phyllosilicates - include quartz veins with Tourmaline crystals Fast drilling => clay is predominant Slow drilling => rock cuttings + clay produces a lamination						

40.5 EOH

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 11-12 Mars 1987 Sondage No: BOB 26 Localisation: Site #7

Géologue: RSt-J, DH, RM Sondeur: H. Duret Outil: CB 68848 / CB 68821 Métrage: 82.1 - 113.1 / 39.8 - 46.3

Poste (heures) JL, DH, YB

____ à ____ Sondage: 15:00 - 17:30 07:00 - 14:15

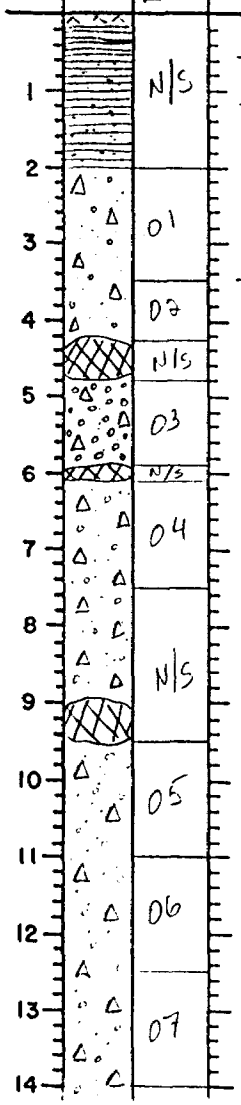
TOTAL Problèmes: Pull rods to change bit at 31.0

_____

Contractant (heures) Divers: REPLACEMENT BIT USED PREVIOUSLY (BOB-17)

_____ Déplacement sur le site suivant: to BOB 27 14:15 - 14:30

ECHELLE: 1:100 Page 1 de 3



DESCRIPTION

0.0 - 0.2 ORGANICS

0.2 - 2.0 COCHRANE SEDS

Light to medium beige sandy hard clays

2.0 - 35.8 MATHESON TILL

Light grey, silty sandy matrix cobbles, pebbles. Clasts composition
40% meta seds + volcs
60% granitoïds
2-4% limestones

4.0 - 4.3 Till as above
clasts composition
60% meta volcs + seds
40% granitoïds

4.3 - 4.8 dirty quartz (?) boulder. (hard to drill)

4.8 - 5.9 Till as above. very cobbly

5.9 - 6.1 Metasediment boulder.

6.1 - 7.5 Till as above (4.8 - 5.9)

7.5 - 9.0 Very bouldery pink-white grained metasediments

9.0 - 9.5 Metasediment boulders

GOLD GRAINS		analysis of HMC (or bedrock)			
#	dom type	Au	As		calc Mo
1	A	247	<3.2		671
1	A	673	12.0		334
0	-	56	<3.4		-
0	-	<7	45.0		-
0	-	190	4.0		-
0	-	33	19.0		-
0	-	73	16.0		-

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB 26

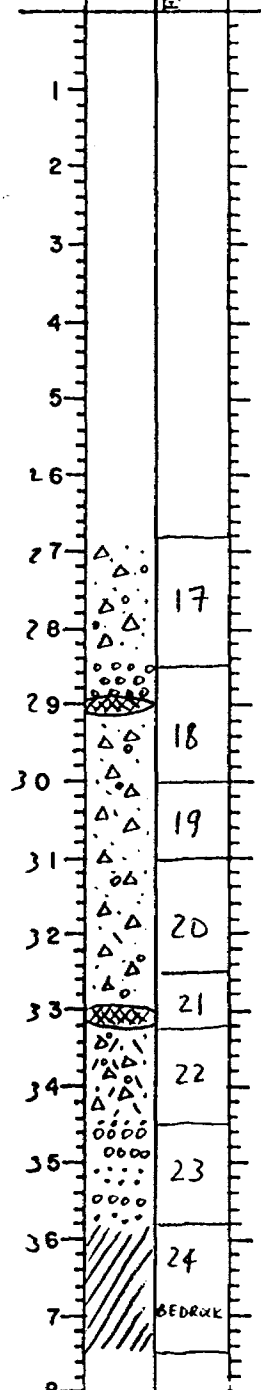
ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (on bedrock) Au	As		
1									
2									
3									
14									
15		08	9.5 - EOH 12/3/87 Matheson Till light beige gray matrix, fine sandy silty pebbly very cobbly to 11.0, then less cobbly clasts ~50/50 (MS, MV/GR) with ~5% limestone (starting 11.0 samples very good quality)	0	-	47	23.0		-
16		09		0	-	46	17.0		-
17									
18		10		0	-	190	22.0		-
19		11		0	-	99	35.0		-
20									
21		12	21.0 a few minor interlayers clean sand	0	-	25	46.0		-
22		13		0	-	34	20.0		-
23			23.0-24.3 clean gravel (no matrix) with a few interlayers coarse and fine sand clasts ~50/50/2 (MV, MS/GR/LS)						
24		14		0	-	31	31.0		-
25		15	24.3-28.5 very sandy till (pebbly as well) some silt in the matrix	0	-	150	25.0		-
26		16		0	-	16	20.0		-
27									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100 BOB-26 Page 3 de 3



NOTE: based on cross-section, the interval 34.4-35.8 has been assigned to MISSINAIBI SEDIMENTS

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS Nom type	analyses of HMC (or bedrock) Au	As	W	
27–28		17	28.5 - 28.9 clean gravel no fines	0	–	234	31.0		–
28–29			28.9 - 29.1 metasedimentary boulder						
29–30		18	29.1 - 33.0 till is sandy, pebbly with increasing silt content in matrix with depth light grey beige colour clast composition ~80/20 (MS, MV/GR) some hard clayey matrix at 32.0	1	A	1190	20.0		731
30–31		19		0	–	238	34.0	154	–
31–32		20		1	A	802	17.0		115
32–33		21	33.0 - 33.2 white granite boulder (tried to scoop off rock flour from sample)	0	–	13	18.0		–
33–34		22	33.2 - 34.4 hard greyish clayey matrix to till	0	–	150	7.5		–
34–35			34.4 - 35.8 interbedded gravels and sands well sorted						
35–36		23		0	–	223	<2.8		–
36–7		24 BEDROCK	35.8 - 37.5 BEDROCK fgrained med to dark grey metasediment biotite rich, no visible amphibole minor carbonate, minor visible sulfide, quartz veinlets parallel foliation and in cross-cutting fractures minor chlorite on foliation planes and/or	–	–	<2	<0.5		
8									

T
MS

COGEMA CANADA LIMITEE (Doc. #0050U-A)

FAH 27 C

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 12/3 19 87 Sondage No: BoB-27 Localisation: Site 6

Géologue: JL, DH, YB Sondeur: H.D Outil: CB68851 Métrage: 0-38.4

Poste (heures)

____ à ____ Sondage: 14:30 - 19:00

TOTAL Problèmes:

Contractant (heures) Divers: NEW BIT CB68851

Déplacement sur le site suivant: 7:00 - 7:30 (13/3)

ECHELLE: 1:100 Page 1 de 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0			0 - 3.5 ORGANICS
3.5			3.5 - 9.5 COCHRANE TILL bluish grey sandy, soft clay (minor gnt)
9.5			9.5 - 16.4 OJIBWAY II SEDIMENTS contact with Cochrane Till more or less distinct pure, bluish grey, soft clays
13.1			a little sand

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-27

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		calc Mb
1									
2									
3									
14									
15									
16									
17		01	16.9 - 36.9 MATHESON TILL abrupt contact with overlying clays light grey beige, fine sandy silty matrix pebbly – clast composition 50/50/1 (MV, MS/GR/LS)	0	-	74	19.0		-
18									
19		02		0	-	46	15.0		-
20		03		0	-	31	28.0		-
21									
22		04		0	-	110	45.0		-
23		05	23.0 - 29.7 till is quite cobbly still 50/50/1	5	A	328	33.0		1285
24									
25		06		3	A	542	26.0		527
26		07	26.9 a little clay in the matrix	0	-	37	37.0		-
27									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-27

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As	W	calc Mpb
27		08		0	–	<9	30.0		–
29		09	29.7 - 30.0 hard brownish grey clay in the matrix	0	–	23	54.3	139	–
30		10	31.8 - 34.0 mostly very clayey matrix, but still with fine sand and silt still pebbly (50/50)	0	–	16	37.0		–
32		11		1	A	445	38.0		201
33		12	34.0 - 36.9 very silty matrix, some clay very little sand still pebbly (50/50)	0	–	21	28.0		–
35		13		0	–	295	25.0		–
36		14		1	A	130	25.0		67
7		15 BEDROCK	36.9 - 38.4 BEDROCK fine grained grey metasediment biotitic, no visible amphibole, well foliated no calcite, no sulfide	–	–	<2	<0.5		
8									

COGEMA CANADA LIMITEE

(Doc. #0050U-A)

EAU 284

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 13/3 1987 Sondage No: BOB-28 Localisation: site 43

Géologue: JL DH YB Sondeur: HD Outil: CB68851 Métrage: 38.4-67.7

Poste (heures)

____ à ____ Sondage: 8:15 - 12:00

TOTAL Problèmes: cold weather start-up problems 7:30 - 8:15

_____ air compressor shutting off, stop working

Contractant (heures) Divers: Artesian hole (87-03-17)

_____ Déplacement sur le site suivant: 17:45 - 18:00

ECHELLE: 1:100 Page 1 de 3

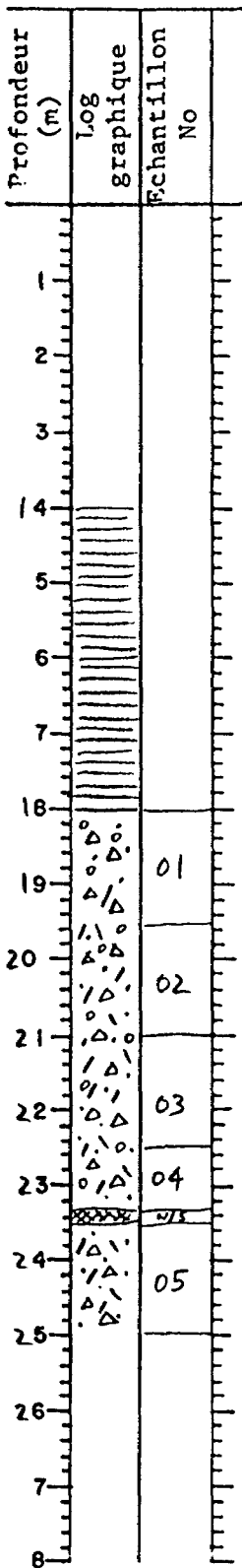
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0			
1			0 - 2.5 ORGANICS
2			
3			2.5 - 8.5 COCHRANE TILL/SEDIMENTS pure clay fairly compact followed by soft sandy gritty clay blue-grey colour
4			
5			
6			
7			
8			8.5 - 18.0 OJIBWAY II SEDIMENTS contact with Cochrane Till reasonably distinct pure grey clay, soft
9			
10			
11			
12			
13			
14			

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-28



DESCRIPTION

18.0 - 27.8 MATHESON TILL
contact with overlying clays abrupt
fine sandy silty light beige matrix
followed quickly by very clayey
(brownish, compact) matrix with some
fine sand and silt
pebbly - 70/30/1 (ms,mv/gr/ls)

23.3 - 23.5 pink granite boulder
23.5 - 27.8 very clayey till (brownish grey, compact), very few pebbles (90/9/1), still somewhat sandy, silty

GOLD GRAINS		amounts of HMC (or bedrock)			
#	dom type	Au	As		calc Mb
0	-	18	28.0		—
0	-	514	21.0		—
0	-	14	15.0		—
0	-	110	18.0		—
3	A	1730	11.0		4579

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-28

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		calc ppb
25									
26		06	26.3-26.5 grey metasediment boulder	0	-	503	32.0		-
27		07		0	-	226	16.0		-
28		08 BEDROCK	27.8-29.3 BEDROCK fine gr. grey biotite schist metasediment no sulfide, no calcite 28.2 1/2 cm quartz vein	-	-	<2	<0.5		
29									
0									
1									
2									
3									
4									
5									
6									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 14/3 19 87 Sondage No: BoB-29 Localisation: site 42

Géologue: JL DH YB Sondeur: H D Outil: CB68851 CB68849 Métrage: 67.7-93.2 0-3.5

Poste (heures)

____ à ____ Sondage: 7:30-13:15

TOTAL Problèmes: new helper, new water carrier

pull rods to change bit at 25.5m

Contractant (heures) Divers: NEW BIT CB68849

Déplacement sur le site suivant: 13:15-13:30

ECHELLE: 1:100 Page 1 de 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (on bedrock) Au	As		calc Mb
1			0-1.5 ORGANICS						
2			1.5-3.0 COCHRANE TILL/SEDIMENTS pure soft greyish clay followed by sandy clay						
3			3.0-4.4 OJIBWAY II SEDIMENTS pure soft greyish clay contact with Cochrane Till reasonably distinct						
4			4.4-27.0 MATHESON TILL abrupt contact with overlying clays light beige grey matrix, fine sandy silty pebbly, clasts 50/50/1 (MS,MV/GR/LS)						
5		01		0	-	16	8.3		-
6		02		0	-	<7	12.0		-
7		MS	7.4-7.5 metasediment boulder						
8		03		0	-	14	19.0		-
9		04		0	-	<9	14.0		-
10		05		0	-	110	23.0		-
11		06		2	A	14	15.0		124
12									
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BoB-29

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
1									
2									
13									
14		07		0	-	<10	24.0		-
15									
16		08	16.5-17.4 very cobbly	0	-	110	22.0		-
17		09		0	-	89	25.0		-
		N/S	17.4-17.9 2 white granite boulders						
18									
19		10		0	-	16	28.0		-
20		11		0	-	47	19.0		-
21									
22		12		0	-	170	22.0		-
23		13	22.4-25.2 matrix somewhat clayey (hard, compact sandy greyish clay) pebbles more MV, MS 70/30/1 (MV, MS/GR/LS)	1	A	53	20.0		25
24									
25		14	24.8 porphyritic basalt boulder (very clayey immediately below boulder)	1	A	110	24.0		3607
26		15		0	-	89	36.0		-
27			25.5 m pull rods to change bit						
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-29

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	Au	As		
1										
2										
3										
4										
5										
6			27.0 - 29.0 BEDROCK							
27		N/S	27.0 - 27.5 mixed bedrock and hard, compact, greyish clay							
28		16 BED ROCK	27.5 - 29.0 f.gr. biotite schist → metasediment minor quartz vein (quartz with minor biotite) minor calcite in host and some veinlets no visible sulfide	-	-	<2	1.0			
29										
30			EOH 29.0							
1										
2										
3										
4										
5										
6										
7										
8										

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 14/3 1987 Sondage No: BoB-30 Localisation: site 41

Géologue: JL DH YB Sondeur: HD Outil: CB68849 Métrage: 3.5-50.8

Poste (heures)

____ à ____ Sondage: 13:30-18:15

TOTAL Problèmes: boulder at surface, moved 2m, another boulder at surface

Contractant (heures) Divers:

Déplacement sur le site suivant: 18:15-18:30

ECHELLE: 1:100

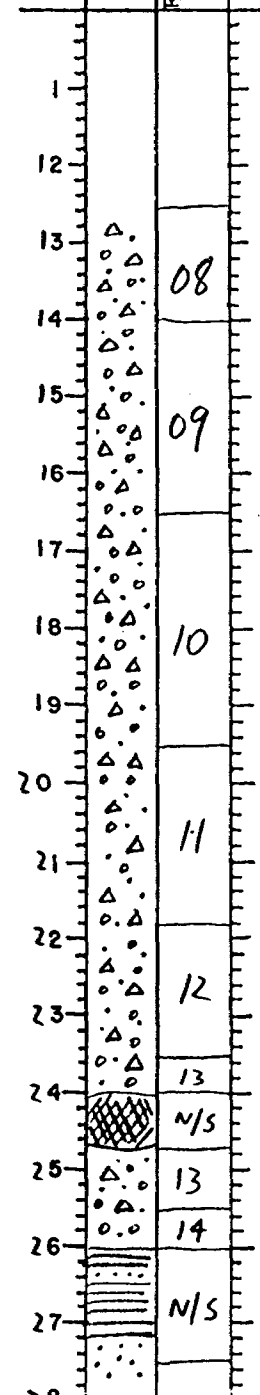
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mpb
			0-1.0 ORGANICS						
1			1.0-1.5 COCHRANE SEDIMENTS organics and brown clay						
2			1.5-26.0 MATHESON TILL						
3		01	1.5-2.0 boulders, no fines ; PAN	1	A	689	10.0		11099
4		02	contact abrupt (boulder) fine sandy silty matrix, light beige grey	0	–	100	15.0		–
5			locally few fines at top of section						
6		03	very pebbly till 50/50/1 (MS, MV/GR/LS)	5	A	251	18.0		326
7		04		5	A	460	26.0		215
8									
9		05		1	A	<9	38.0		519
10		06		0	–	120	22.0		–
11									
12		07		0	–	30	19.0		–
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BoB-30



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (on bedrock) Au	As		
1–12									
13–14		08		0	–	49	21.0		–
15–16		09	samples were too small, had to sample over intervals >1.5m at 19.5 slowed down drilling rate	0	–	73	27.0		–
17–19		10		1	A	<9	20.0		1506
20–21		11		0	–	13	20.0		–
22–23		12		0	–	100	21.0		–
24		13	24.0 - 24.7 white granite boulder	0	–	<8	21.0		–
25		N/S							
26		13							
26		14	26.0 - 27.2 OJIBWAY I SEDIMENTS hard greyish pure clay minor sand and pebble interbeds at top contact with overlying till abrupt	0	–	<11	20.0		–
27		N/S							
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-30

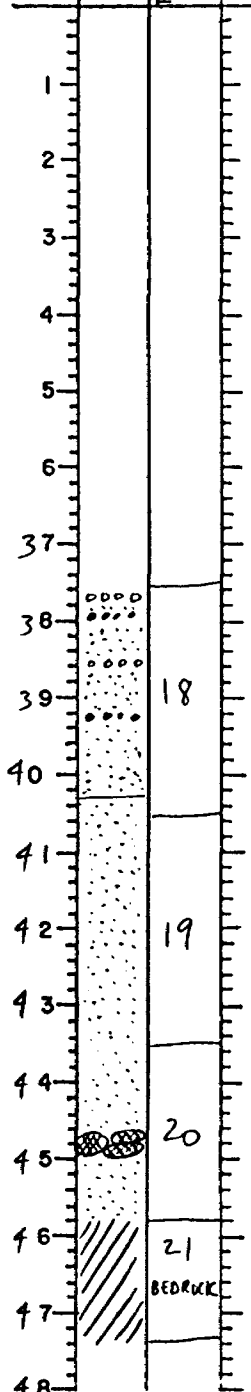
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc ppm
1–27			27.2 – 45.8 MISSINAIBI SEDIMENTS contact with overlying clays abrupt 27.2 – 31.0 fine sand, clean, greyish to greyish green colour everything passes through 10 mesh screen						
27–30		15		0	–	55	3.3		–
30–34		16	31.0 – 37.5 coarse sands and gravels interbedded gravel less frequent at bottom of section mostly granitic pebbles in gravel minor fine sand	0	–	28	<3.4		–
34–37		17		0	–	91	<3.0		–
37–8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-30



DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		colour
37.5 - 45.8 mostly fine sand, clean some coarse sand and gravel especially at top of section 40.3 minor hard clay	0	–	120	<2.8		–
	0	–	110	8.0		–
44.7 - 45.0 very coarse metasediment gravel or cobbles (or boulder?) → very easy to drill	0	–	77	23.0		–
45.8 - 47.3 BEDROCK fine grained grey siliceous metasediment no calcite, abundant py (~1%) dissem. - thin pink granite dyke at top 46.2 siliceous green dyke minor sf minor dirty quartz vein with sf (arsenopyrite?)	–	–	<2	0.7		

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 15/3 19 87 Sondage No: BOB-31 Localisation: site 40

Géologue: JL YB Sondeur: HD Outil: CB68849 / CB68850 Métrage: 50.8-67.3 / 0-24.0

Poste (heures)

____ à ____ Sondage: 7:00-15:00

TOTAL Problèmes: 2nd rod stuck with sand from BOB-30, pull rods to change bit at 16.5m, rods stuck at EOH, pump mud to get rods out 15:00-19:15

Contractant (heures) Divers: NEW BIT CB68850, NEW BIT SUB

Déplacement sur le site suivant: 19:15-19:30

ECHELLE: 1:100 Page 1 de 4

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mb
0			0-1.0 COCHRANE SEDIMENTS hard brown clay, minor sand						
1			1.0-39.3 MATHESON TILL contact abrupt and quick						
2			1.0-4.5 much sand contamination sample not taken (see problems above)						
3									
4			light beige grey matrix, fine sandy silty pebbly 50/50/1 (MS,MU/GR/LS)						
5		01		0	—	246	<3.1		—
6		02		0	—	68	<2.8		—
7									
8		03	not enough sample, had to take 2.3m sample	0	—	46	<2.5		—
9									
10		04		0	—	150	2.4		—
11		N/S	11.4-11.6 green metavolcanic boulder						
12		05		0	—	13	22.0		—
13		N/S	12.5-12.75 green metavolcanic boulder						
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-31

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		calc MW
1–12									
13		06	14.3-19.5 locally clayey till hard compact sandy bluish grey clay turns brownish with depth	0	–	190	10.0		–
15		07		0	–	76	25.0		–
16		08	pull rods to change bit at 16.5m	0	–	95	7.4		–
17		09		0	–	18	15.0		–
18			18.5-21.0 locally very cobbly till over short intervals						
19		10		1	A	6260	34.0		4110
20		11		0	–	<9	19.0		–
21		12		0	–	83	20.0		–
22		13		0	–	19	21.0		–
23–28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-31

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
			Note: from cross-section the interval 31.8 - 34.2 has been assigned to MISSINAIBI SEDS and the interval 34.2 - 39.3 has been assigned to the LOWER TILL						
25		14		1	A	65	11.0		277
27		15		4	A	853	78.5		824
28		16	27.6 - 28.8 could be sand and sandy gravels or very sandy till	1	A	205	30.0		731
30		17		0	–	42	24.0		–
31		18	30.7 - 31.4 clayey till	3	A	1680	31.0		1430
33		19	31.8 - 34.2 again, this could be sand and sandy gravels or very sandy till	0	–	<8	14.0		–
35		20	34.2 - 39.3 clayey till, hard, compact, brownish grey sandy, silty clayey matrix pebbles 80% metasediments to ~37.0m, then 50/50 (MS, MV/GR)	0	–	73	68.5		–
36		21		0	–	23	71.9		–
37									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-31

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of AMC (or bedrock) Au	As		cale
1									
2									
3									
4									
5									
36									
37		22		0	-	84	82.6		-
38		23		0	-	92	56.7		-
39		24 BEDROCK	39.3 - 40.5 BEDROCK fine gr. dark grey biotite schist meta sediment no sulfide, no calcite detected 39.6 - 39.7 light grey fine gr. rock with abundant epidote - quartz - pyrite veinlets 40.2 - 40.3 dirty quartzite or quartz vein (abundant biotite)	-	-	3	0.9		
40									
41									
2									
3									
4									
5									
6									
7			EOH 40.5						
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 16/3 1987 Sondage No: BxB-32 Localisation: site 39

Géologue: R ST-J, R M Sondeur: HD Outil: CB68B50 / CB68B62 Métrage: 24.0 - 30.5 / 0 - 32.1

Poste (heures)

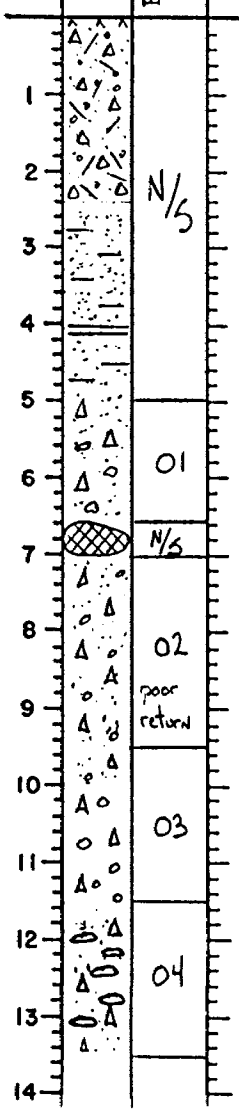
____ à ____ Sondage: 7:00 - 11:30

TOTAL Problèmes: some mud in the water in the morning, pull rods to change bit at 6.5m,

Contractant (heures) Divers: NEW BIT CB68B62, but CB68B50 still good

Déplacement sur le site suivant: 11:30 - 11:45

ECHELLE: 1:100 Page 1 de 3



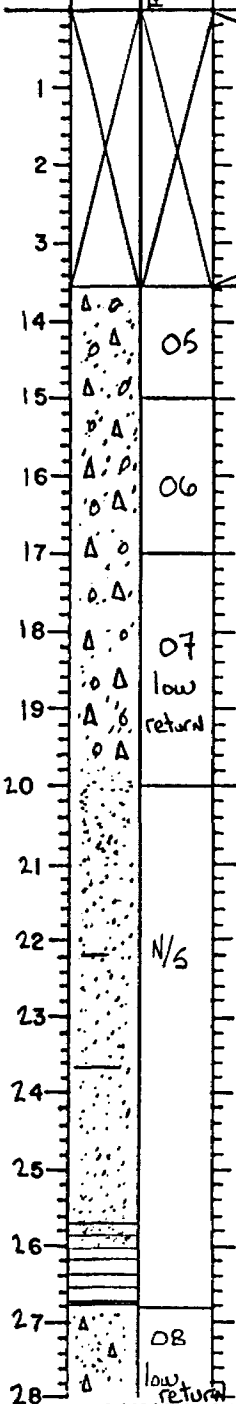
DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc ppb
0 - 0.1 ORGANICS 0.1 - 2.4 COCHRANE TILL ligth brown clay few pebbles im 10 first cm platty clay sandy, silty						
2.4 - 5.0 OJIBWAY II SEDIMENTS light beige silt and fine sand minor light beige silty clay interbeds						
5.0 - 19.8 MATHESON TILL light beige sand and silt matrix pebbles, cobbles. 60/40 (MS+MV/GR)	1	A	44	13.0		1288
6.5m Pull rods, change bit.						
6.5 - 6.6 very cobbly till 6.6 - 7.0 Metasediment boulder 7.0 - 12.0 Till as above clasts 60/38/2 (MS+MV/GR/LS)	0	-	110	6.2		-
12.0 - 13.2 Till as above, very cobbly	0	-	66	12.0		-
	0	-	91	24.0		-

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-32



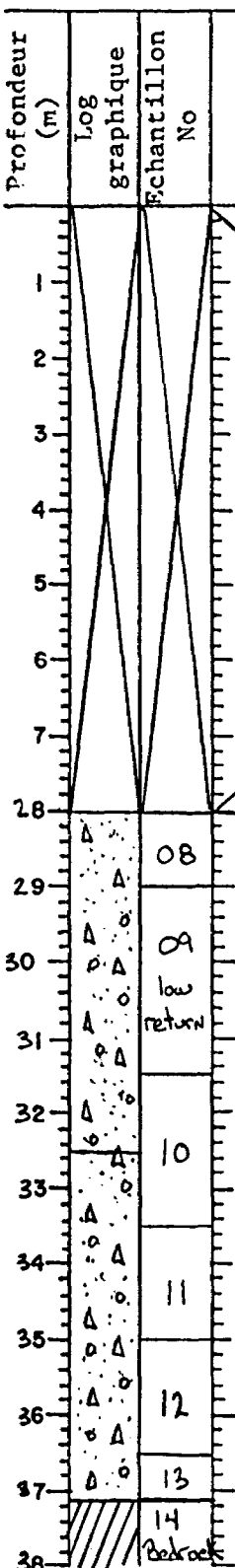
DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Au ppb
13.2 - 19.0 Till as above (17.0 - 12.0)	0	–	180	21.0		–
19.0 - 19.8 Till as above Thin clay interbeds	1	A	326	18.0		358
19.8 - 26.8 MISSINAIBI SEDS Light gray sand and silt and light gray clay interbeds rare pebbles. 26.0 - 26.8 light gray hard fine clay.	0	–	<10	29.0		–
26.8 - 37.1 LOWER TILL light gray sandy-silty matrix pebbles, cobbles 60/40 (MS+MV/GR) some sandy clay interbeds some pebbles covered by light gray clay						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-32



DESCRIPTION

32.5 - 32.6 light gray fine clay interbeds

32.6 - 37.1 Till as above
clasts: 70/30 (MS+MV/GR)

37.1 - 38.6 BEDROCK

- dark brown to dark gray
- biotite rich
- minor quartz veins
- strong foliation
- minor carbonate (HCl test)
- brittle

=> Biotite schist (Metasediment)

38.6 EOH

GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (on bedrock) A_4	A_5		calc Mpb
0	–	16	21.0		–
3	A (1-D)	564	29.0		517
0	–	190	21.0		–
0	–	53	68.2		–
0	–	52	58.7		–
0	–	230	91.0		–
–	–	3	<0.5		

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 16/3 1987 Sondage No: BoB-33 Localisation: Site 38

Géologue: R ST-J/RM Sondeur: H. Duvette Outil: CB68862 Métrage: 32.1-75.6

Poste (heures) _____

_____ à _____ Sondage: 12:15 - 13:00, 14:30-20:45

TOTAL Problèmes: 13:00 -14:30 problem with air compresson - No drill

_____ 11:45 - 12:15 problem with main hydraulic cylinder

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 20:45 - 21:00

ECHELLE: 1:100 Page 1 de 4

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au_4	As_5		calc Mb
1–14		N/S	0.0 - 0.2 ORGANICS 0.2 - 2.4 COCHRANE TILL light beige, silty sandy clay pebbles. 2.4 - 21.5 OJIBWAY II SEDS 2.4 - 6.5 Light beige fine sand and silt. Some light beige fine clay interbeds. 6.5 - 16.0 Light beige medium sand and pebbles.						
		N/S							
		01		0	–	<12	5.3		–

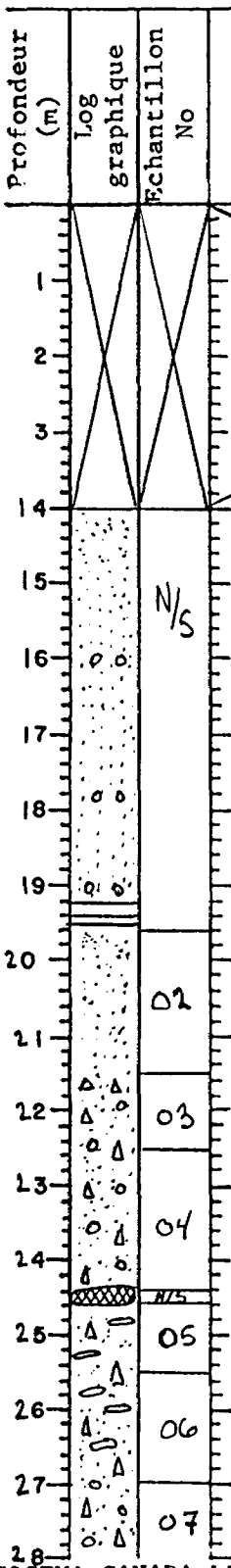
COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-33



DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (on bedrock) Au	As		calc ppb
16.0 - 19.2. Metric fining upward graded beds. clay - silt - sand - coarse pebbly sand. etc.						
19.2 - 19.4 LG fine clay bed						
19.4 - 21.5 Metric fining upward beds.						
21.5 - 42.1 MATHESON TILL						
Light brige to light gray sandy silty matrix Pebbles. clasts: 65/35/2 (MS+MV/GR/LS)	0	–	68	18.0		–
Locally very sandy.	1	A	593	12.0		104
24.4 - 24.6 Pink granite boulder	5	A	6200	18.0		14930
24.6 - 25.5 Till as above very [illegible] sandy fine silt.	1	I	322	31.0		181
25.5 - 26.6 Till as above very silty fine sand - silt. clasts: 75/25/1 (MS+MV/GR/LS)	0	–	41	58.1		–
	0	–	630	33.0		–

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-33

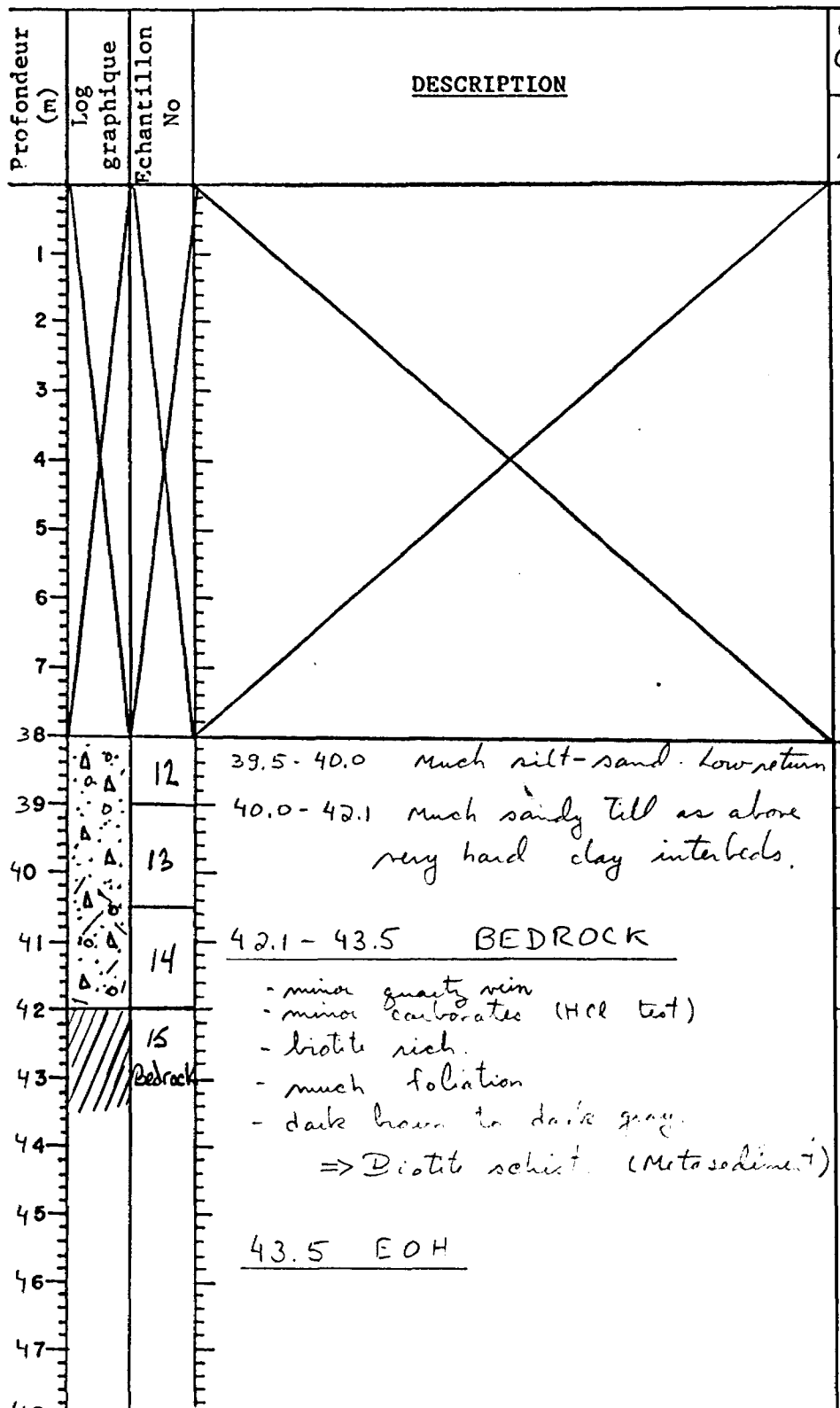
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dcm type	analysis of HMC (or bedrock) Au	As		
1									
2									
3									
4									
5									
6									
7									
28		07	26.6-34.4 Till as above, less cobbly. light grey sandy silty matrix (cobbles) clasts 60/35/5 (MS+MV/GR/LS) medium beige limestone.						
29		08 poor return		0	–	27	21.0		–
30									
31		09	33.0-33.1 light grey dry clay interbeds - hard. 34.4-39.5 Till as above clasts 60/38/2 (MS+MS/GR/LS)	0	–	16	24.0		–
33									
34		10		0	–	29	23.0		–
35									
36									
37		11		0	–	70	42.0		–
38									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-33



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
38–42		12	39.5 - 40.0 much silt-sand. Low return	0	–	180	38.0		–
		13	40.0 - 42.1 much sandy till as above very hard clay interbeds.	0	–	92	27.0		–
		14	42.1 - 43.5 BEDROCK	0	–	150	27.0		–
		15 Bedrock	- minor quartz vein - minor carbonates (HCl test) - biotite rich. - much foliation - dark brown to dark gray. => Biotite schist (Metasediment)	–	–	<2	<0.5		
43–48			43.5 EOH						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 17 Mars 1987 Sondage No: BOB-34 Localisation: Site 37

Géologue: RST-J, RM Sondeur: H. Duretto Outil: CB 68862, CB 68850, CB 68889 Métrage: 75.6 - 89.4, 30.5 - 54.7, 0 (hit cones)

Poste (heures) _____ à _____ Sondage: 8:00 - 18:00

TOTAL _____ Problèmes: Pull rods at 13.8 and 38.0 to change bit. Some drilling mud in water this morning

Contractant (heures) _____ Divers: * Hole stopped at 38.0 m - bit cones left in hole.

Déplacement sur le site suivant: 7:00 - 7:30 (18/3/87)

ECHELLE: 1:100 New sub with CB68889, New bit CB68889 Page 1 de 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		calc Mb
1		N/S	0.0 - 0.3 ORGANICS 0.3 - 1.9 COCHRANE TILL Light beige sandy, loud clay.						
2									
3			1.9 - 3.0 OJIBWAY II SEDS Light gray to light beige soft fine clay.						
4		01		0	—	150	<3.6		—
5		NS	3.0 - 13.8 MATHESON TILL						
6		02	3.0-4.6 Light gray sandy silty matrix. Pebbles, (cobbles) clasts 50/48/2 (MS+MV/GR/LS)	0	—	23	5.2		—
7		03	4.6 - 4.8 Metavolcanics boulder. 4.8 - 6.5 Till as above more cobbles.	0	—	(1060)	3.9		—
8									
9		04	6.5 - 11.0 Till as above (3.0 - 4.6)	0	—	205	<3.1		—
10			11.0 - 12.4 Very fine light gray sand - silt. Some pebbles. (very sandy interval of MT ?)						
11		05	12.4 - 12.9 Till as above (3.0 - 4.6) 12.9 - 13.3 Metavolcanics boulder. 13.3 - 13.8 Till as above (3.0 - 4.6)	0	—	150	11.0		—
12									
13		N/S	13.8 Pull rods to change bit.						
14		06		0	—	120	4.7		—

= PAN ?

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-34

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As	W	ore Mpb
1–14									
14–15			13.8 – 27.8 MISSINAIBI SEDS.						
15–16		07	Very fine sand to very coarse sand. light - medium beige. fining upward 1.0 – 2.0 m cycle	0	–	16	<2.7	117	–
16–17									
17–18		08		0	–	44	3.6	1020	–
18–19									
19–20									
20–21		09		0	–	<10	7.4		–
21–22									
22–23									
23–24		10		0	–	<10	11.0		–
24–25									
25–26									
26–27		11		0	–	21	39.0		–
27–28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-34

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mb.
28		11	27.8 - 38.0 (?) LOWER TILL						
29		12	27.8-30.2 Light gray sandy-silty matrix pebbles (cobbles) clasts 65/35 (MS+MV/GR)	0	–	1600	110.0		–
30	XXX	N/S							
31		13	30.2 - 30.4 Metasediment boulder	1	A	329	864.0		281
32		14	30.4 - 31.8 Till as above (27.8-30.2) clasts 70/29/1 (MS+MS/GR/LS)	0	–	280	106.0		–
33									
34		15	31.8 - 38.0(?) Hard sandy clay matrix and interbeds.	0	–	1470	87.8		–
35		16	34.0 clay on pebbles.	0	–	100	48.0		–
36			38.0 Pull rods to change bit cones of bit left in hole Rods were put back in hole and at 38.0 started drilling cones. → Hole stopped at 38.0 m.						
37		17		0	–	100	43.0		–
38									

38.0 EOH

COGEMA CANADA LIMITEE

(Doc. #0050U-A)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 18 Mars 1987 Sondage No: BOB-35 Localisation: Site 36.

Géologue: RSt-J, RM Sondeur: H Durette H&S Outil: CB 68889 Métrage: 0-30.6

Poste (heures) _____

_____ à _____ Sondage: 07:30 - 11:30

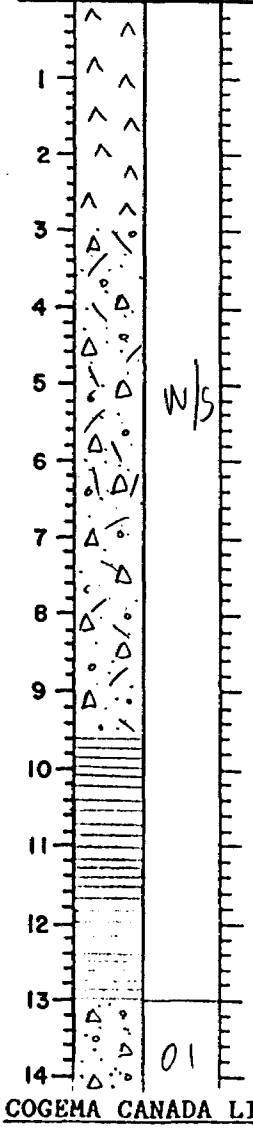
TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: 11:30 - 12:00 Clean water tanks.

_____ Déplacement sur le site suivant: 12:00 - 13:30

ECHELLE: 1:100 Page 1 de 3



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		wt Mg
			0.0 - 3.0 ORGANICS.						
			3.0 - 9.6 COCHRANE TILL light gray sandy silty soft clay. Pebbles.						
			9.6 - 13.0 OJIBWAY II SEDS. Light gray fine very soft clay.						
		W/S							
		01		1	A	522	24.0		371

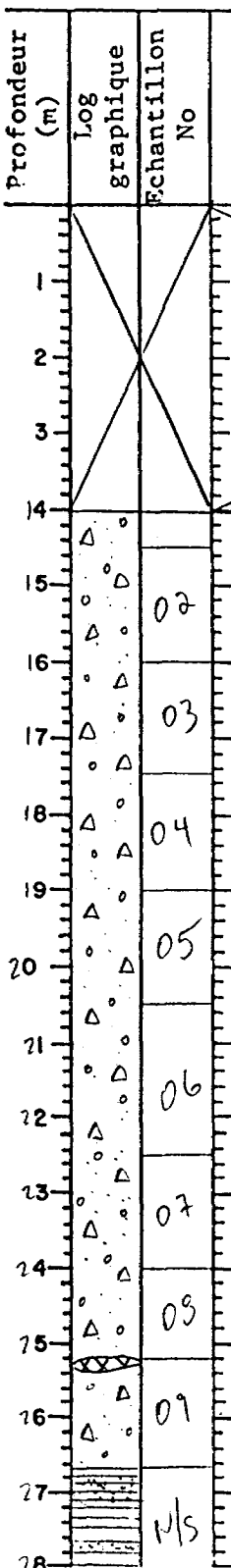
COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB -35

ECHELLE: 1:100



DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Au
13.0 - 26.7 MATHESON TILL						
13.0 - 18.0 Light gray very sandy silty matrix. Pebbles (cobbles) clasts: 70/28/2 (MS+MV/GR/LS)	0	–	351	20.0		–
	1	A	505	38.0		79
18.0 - 19.8 Sandy till	(1-I) 3	A	961	33.0		766
19.8 - 22.0 Till as above (13.0-18.0)						
22.0 - 23.0 Some light gray sandy clay interbeds	(1-I) (1-O) 6	A	1570	37.0		1242
24.0 - 25.3 Very sandy till.						
25.3 - 26.7 Generally bouldery Till.	0	–	75	23.0		–
26.7 - 29.0 MISSINAIBI SEDS						
26.7 - 27.6 OJIBWAY I SEDS						
26.7 - 27.2 Light gray silty hard clay. Some sand, some pebbles.	1	A	202	24.0		163
27.2 - 27.6 Pure clay	1	A	304	12.0		145
27.6 - 27.8. Light gray sandy silty clayey matrix.	0	–	30	7.9		–

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-35

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS som type	analysis of HMC (or bedrock) Au	As		
1–28									
28		N/S	27.8 - 28.7 Light gray sandy silty clay passing to light gray pure clay.						
29		10 BEDROCK	28.7 - 29.0 several metasediment boulders	—	—	2	0.7		
30			29.0 - 30.6. BEDROCK - dark brown to dark gray - fine grained - biotite rich - magnetite - strong foliation - some carbonate => Biotite schist (Metasediment) * some cuttings mixture of sample from 0/13.						
31–37									
30.6			EOH						
38									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 18 Mars 1987 Sondage No: BOB-36 Localisation: Site 44

Géologue: RSI-J, RM. Sondeur: H. Durette H&S Outil: CB68886 Métrage: 0-36.5

Poste (heures)

____ à ____ Sondage: 13:30 - 16:45

TOTAL Problèmes:

Contractant (heures) Divers: NEW BIT CB68886

Déplacement sur le site suivant: to BOB 37 16:45 - 17:00

ECHELLE: 1:100 Page 1 de 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS size type	analysis of HMC (on bedrock) Au	As		cale Mg
1		N/S	0.0-0.5 ORGANICS 0.5-5.3 COCHRANE TILL. light beige. sandy pebbly clay 5.3-7.2 OJIBWAY II SEDS light gray soft fine clay. 7.2-24.2 MATHESON TILL 7.2-13.5 Light beige to light gray silty sandy matrix. Pebbles, Cobbles Clasts composition 70/28/2 (MS+MV/GR/LS) generally very sandy						
2									
3									
4									
5									
6									
7									
8		01		0	—	19	30.0		—
9									
10		02		0	—	55	29.0		—
11		03		0	—	47	20.0		—
12									
13		04		4	A	265	27.0		296
14		05							

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB - 36

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
1									
2									
3									
14									
15		05	13.5-15.0 Till as above, much metasediments cobbles.	1	A	215	27.0		308
16		06	15.0-18.5 Till as above. (7.2-13.5)	0	-	426	25.0		-
17		07	18.5-19.2 Sandy clay interbeds, very clayey till. Light gray silty sandy matrix and light gray sandy clay. Pebbles, (Cobbles) clasts: 70/30/1 (MS+MV/GR/LS)	0	-	591	41.0		-
18		08		0	-	218	15.0		-
19									
20		09	19.2-21.0 Till as above (7.2-13.5)	0	-	110	15.0		-
21			21.0-24.2 Very sandy Till						
22		10		0	-	<8	15.0		-
23			24.0-33.5 Disperse organic material (red brown wood)						
24		11	24.2-33.5 MISSINAIBI BEDS	0	-	<9	10.0		-
25			Light gray fine sand with medium gray clay interbeds dispersed pebbles						
16		12		1	A	120	17.0		38
17									
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-36

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dem type	analyses of HMC (or bedrock) Au	As		
28		12							
29		13	33.5-34.8. LOWER TILL light gray sandy silty matrix. cobbles, pebbles. clasts 70/30 (MS+MV/GR) * Sample 15 contaminated by bedrock.	1	A	236	36.0		76
32		14	34.8-36.5 BEDROCK - dark brown colour - biotite rich - much foliation/schistosity - very brittle - some magnetite. - some carbonates. - many veins with dyrite. => Biotite schist (Metasedim.)	0	–	110	17.0		–
34		15		0	–	87	<3.1		–
35		16		–	–	4	0.9		
36									
37									
38			36.5 EOH.						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 19 Mars 1987 Sondage No: BOC-37 Localisation: Site 45

Géologue: RSt-J, RM Sondeur: H. Durett H45 Outil: CB 68886 / CB 68888 Métrage: 36.5 - 76.1 / 0 - 6.4

Poste (heures) _____

_____ à _____ Sondage: 07:00 - 19:00

TOTAL Problèmes: No drilling 07:40 - 08:10 no H_2O.

Pulled rods and change bit at 39.6m delay ~ 1 hour

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 7:15 - 7:30 (20/3/87)

ECHELLE: 1:100 New bit CB68888. Page 1 de 4.

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		Sb
		N/S	0.0 - 1.6 ORGANICS 1.6 - 3.0 COCHRANE TILL Light beige sandy pebbly very clayey till. 3.0 - 4.6 OJIBWAY II SEDS. Light gray fine soft clay.						
5		01	4.6 - 34.0 MATHESON TILL 4.6-9.4 Light gray sandy silty matrix Pebbles Cobbles. Clast 65/35 (MS+MV/GR)	1	A	140	22.0		151
7		02		0	—	180	50.5		—
8		03	9.4 - 9.8 Very sandy with light gray clay interbeds	0	—	120	28.0		—
9			9.8 - 9.9 Pink granite boulder						
10		04	9.9 - 14.0 Cobbly till - much metavolcanic cobbles	0	—	140	20.0		—
11		05	14.0 - 14.2 Sandy - silty and light gray clay intervals	0	—	<11	30.0		—
12									
13		06	14.2 14.4 Till as above (9.6 - 9.4)	0	—	<10	18.0		—
14		07							

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-37

ECHELLE: 1:100

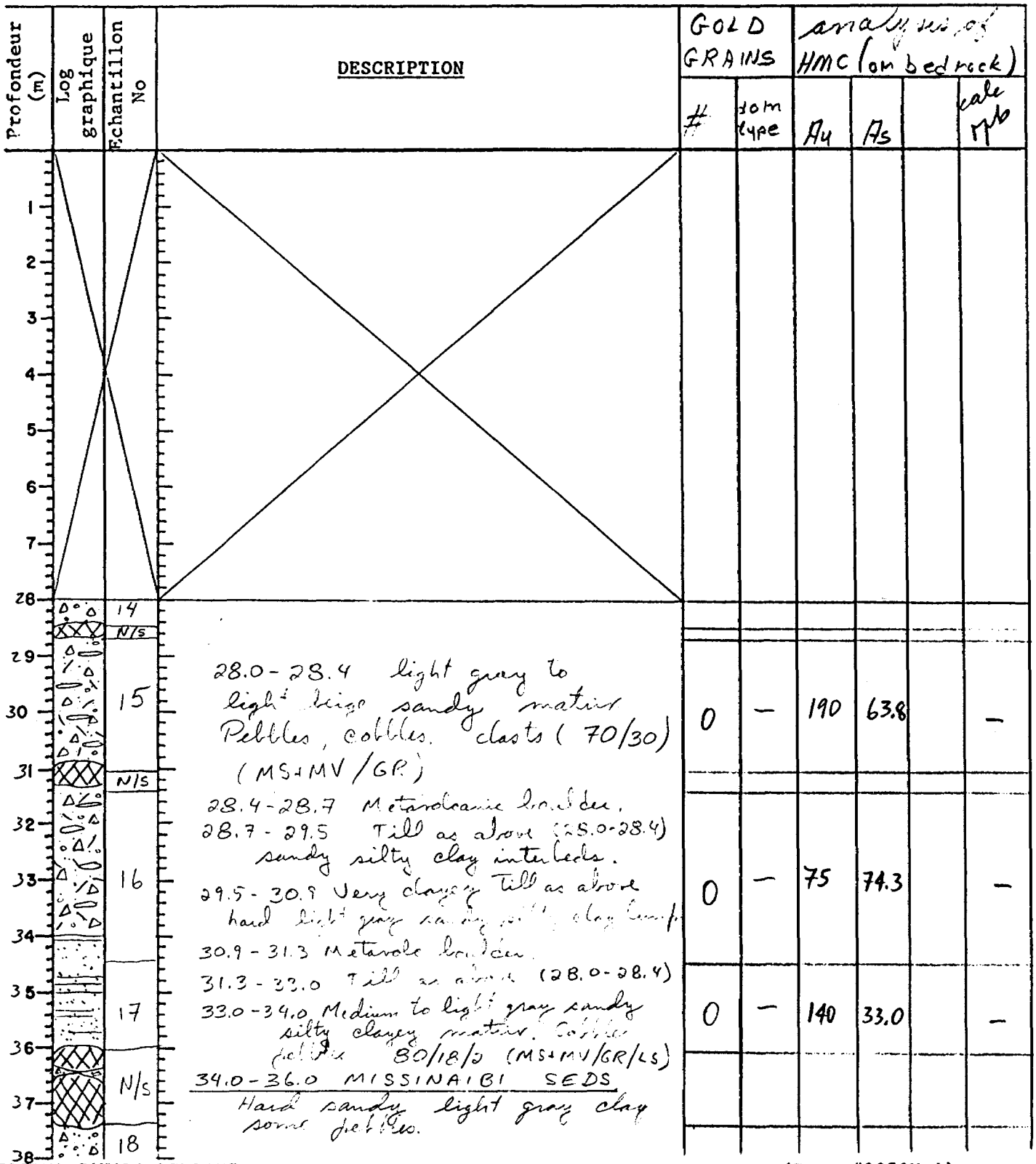
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bed rock) Au	As		
14									
15		07	14.4 - 15.4 Metavolcs + Metased boulders	1	A	853	21.0		3553
16			15.4 - 16.0 Till as above (4.6 - 9.4)						
17		08 poor return	16.0 - 16.2 Some clay interbeds.	0	—	<11	22.0		—
18			16.2 - 25.4 Till as above (9.9 - 14.0)						
19		09	25.4 - 28.0 Light gray clay and sand few pebbles. very low return slow drilling (very sandy interval of MATHESON ?)	1	A	4030	22.0		2183
20		10		1	A	83	18.0		90
21									
22		11		1	A	273	26.0		134
23		12		1	A	190	24.0		156
24									
25		13		0	—	64	23.0		—
26									
27		14		1	A	342	112.0		62
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-37

ECHELLE: 1:100



BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-37

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Au/t
38		18	36.0 - 45.1 LOWER TILL	0	-	1550	23.0		-
39			36.0 - 36.5 Pink granite boulder.						
			36.5 - 37.4 Metasediment boulder.						
		19	37.4 - 39.0 light gray sandy matrix cobbles, pebbles 50/50/1 (MS+MV/GR/cs) some sandy clay interbed.	0	-	120	23.0		-
40									
41		20	39.0 - 40.2 light gray sandy silty matrix pebbles, cobbles 70/30/1 (MS+MV/GR/cs)	3	A	64	23.0		271
			40.2 - 41.0 Sandy clay matrix						
42		21	41.0 - 41.8 Till as above (39.0 - 40.2)	1	A	231	10.0		3631
			41.8 - 43.0 Very cobbly Till 60/40/1						
43			43.0 - 44.0 Till as above (39.0 - 40.2)						
		22	44.0 - 44.8 much olive green clayey matrix 75/23/3	0	-	40	16.0		-
44									
45		N/S	44.8 - 44.9 Coarse sand interval ?						
		23	44.9 - 45.1 Metasediment boulder.	1	A	4450	56.8		7724
46			45.1 - 46.0 BEDROCK ??						
			Much olive green calcareous (METAUDLCS) much carbonatization from above 15-20% limestone much sand in matrix epigranular cuttings 1-3 mm 1 gm/min			← this bk sample sent to wrong lab?			
47									
48									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 20/3 1987 Sondage No: BOB-38 Localisation: site 48

Géologue: JL YB Sondeur: HD Outil: CB68888 / CB68890 Métrage: 6.9-29.6 / 0-16.3

Poste (heures)

____ à ____ Sondage: 10:30 - 20:15

TOTAL Problèmes: 7:30-10:30 work on equipment: new tire for GO TRACK, new fuel filter, injector for Acker, pull rods to change bit at 23.2m

Contractant (heures) Divers: NEW BIT CB68890

Déplacement sur le site suivant: 7:15-7:30 (21/3/87)

ECHELLE: 1:100 Page 1 de 4

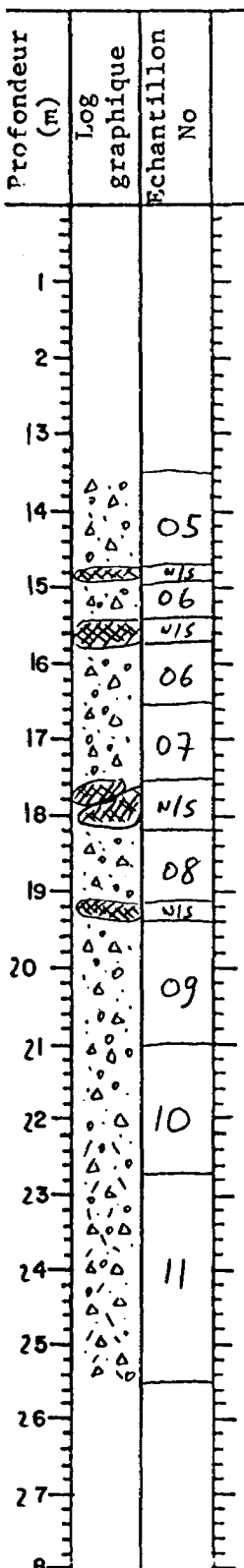
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	Analyses of HMC (or bedrock) Au	As		calc MP
			0-0.8 ORGANICS						
			0.8-4.0 COCHRANE TILL						
			sandy gritty soft grey clay (a little harder at surface)						
			3.0-4.0 sandy silty till						
			4.0-4.6 OJIBWAY II SEDIMENTS						
			pure soft grey clay						
5		01	4.6-30.3 MATHESON TILL						
		N/S	fine sandy silty pebbly till						
6		01	light beige grey matrix	1	A	211	15.0		159
			pebbles ~ 50/50/1 (MS,MV/BR/LS)						
			5.3-5.7 pink granite boulder						
7									
8		02		0	–	83	19.0		–
9									
10									
11		03		0	–	<11	23.0		–
12									
13		04		0	–	61	27.0		–
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-38



DESCRIPTION	GOLD GRAINS		analysis of HMC (or bedrock)			
	#	dom type	Au	As	W	calc mg/b
	0	-	20	25.0		-
14.7 - 14.9 white granite boulder						
15.4 - 15.7 white granite boulder						
	0	-	24	16.0		-
	0	-	36	13.0		-
17.5 - 18.2 metasediment boulders						
	0	-	218	15.0		-
19.1 - 19.4 metagabbro boulder						
22.2 - 30.3 till is clayey, sandy, silty clay is greyish, compact, silty	0	-	160	19.0	162	-
	0	-	281	15.0		-
pull rods to change bit at 23.2 m						
	0	-	66	24.0		-

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100 BOB-38 Page 3 de 4

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mb
25									
26		12		0	–	120	22.0		–
27			27.5 - 27.8 pure grey clay, compact, hard						
28		NIS	27.8 - 28.0 clean fine sand beige						
29		13	28.0 - 30.3 very clayey till Note 27.5 → 30.3 could be interpreted as Ojibway I sediments and Lower Till but I interpret pure clay as rip up clast in Matheson Till	0	–	39	18.0		–
30			30.3 - 38.0 MISSINAIBI SEDIMENTS						
31		14	30.3 - 34.5 fine sand, clean, minor gravel interbeds	0	–	<11	26.0		–
32									
33		15	34.5 - 36.3 interbedded coarse sands and gravels	0	–	<10	23.0		–
34									
35		16		0	–	44	33.0		–
36									
37									
38									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BoB-38

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (on bedrock) Au	As		
1									
2									
3									
4									
5									
36			36.3 - 37.5 no return, rods stuck with sand and with clay, pulled up 2 rods till recovery regained, little or no return when redrilled						
37		N/S							
		16	37.5 - 38.0 coarse sand and gravel	see	page	3			
38		17	38.0 - 39.5 BEDROCK						
	BEDROCK		38.0 - 38.7 dark grey biotite qtz schist → metasediment pervasive minor cc, also cc veinlets minor quartz veins a few cm muscovite flakes	—	—	4	1.1		
39			38.7 - 39.5 light grey very fine grained quartz eye tuff very minor pyrite, as fracture coating still minor cc						
40									
41									
2									
3									
4									
5									
6			EOH 39.5						
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 21/3 1987 Sondage No: BOB-39 Localisation: site 47

Géologue: JL YB Sondeur: HD Outil: CB68890 Métrage: 16.3-64.3

Poste (heures)

____ à ____ Sondage: 7:30 - 16:30

TOTAL Problèmes: no water 8:00-8:30

_____

Contractant (heures) Divers:

_____ Déplacement sur le site suivant: 16:30-17:00, 7:00-10:00

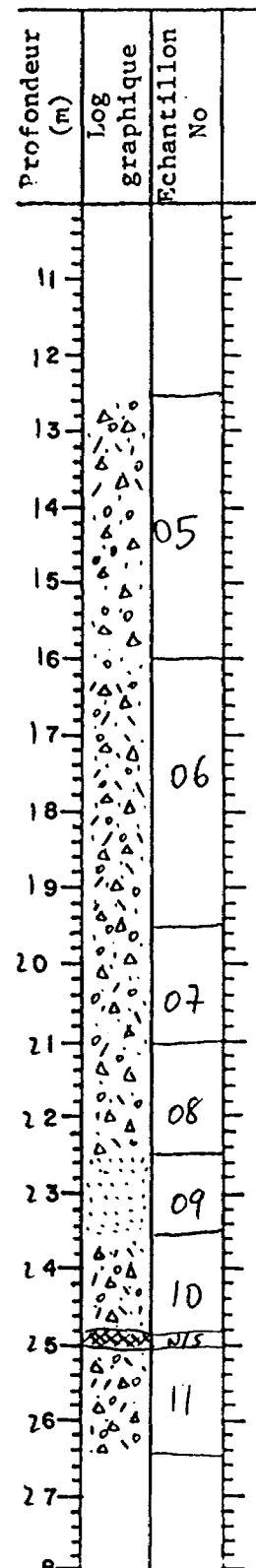
ECHELLE: 1:100 Page 1 de 4

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		ale Mb
1			0-0.2 ORGANICS 0.2-2.5 COCHRANE TILL/SEDIMENTS pure brown clay, compact, dark brown, then light brown with depth 1.0-2.5 brown clay with sand, grit, soft						
2									
3		01	2.5-34.3 MATHESON TILL fine sandy silty matrix, light beige grey, cobbly at top, pebbly 50/50/1 (MS, MV/GR/LS) problems with return	0	-	110	8.2		-
4									
5									
6									
7		02		0	-	140	15.0		-
8									
9									
10		03		1	A	333	22.0		143
11									
12		04		0	-	92	15.0		-
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100 BoB-39



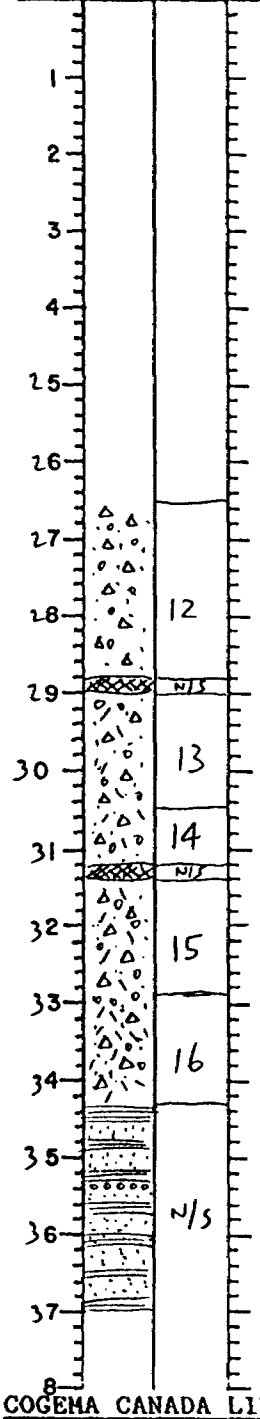
DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		calc Mpb
13.0 - 13.8 clayey matrix (sandy greyclay, fairly soft, but compact)	1	A	89	20.0		37
16.3 - 19.5 clayey matrix, some of the clayey matrix is quite compact	0	-	150	21.0		-
19.5 - 22.5 only minor clay in the matrix brownish grey, silty sandy, compact	0	-	252	27.0		-
22.5 - 23.4 clean, fine sand, greyish brown	0	-	140	71.2		-
23.4 - 26.5 clayey matrix	0	-	98	30.0		-
24.8 - 25.0 white granite boulder	0	-	190	32.0		-
	0	-	21	35.0		-

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-39

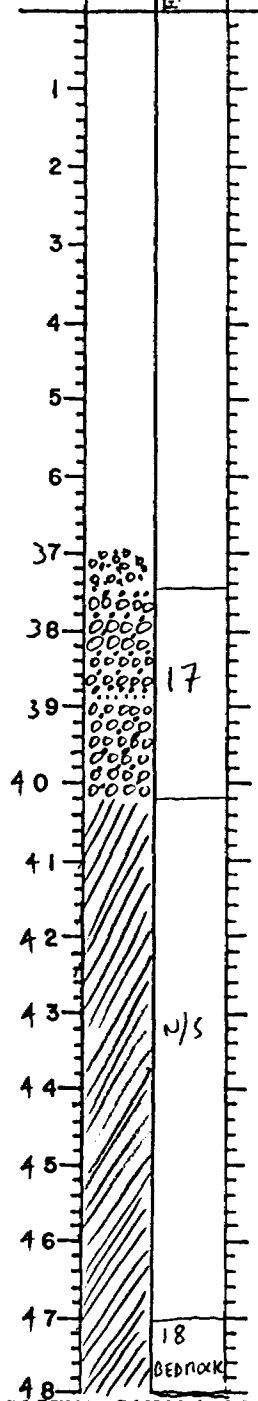


DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As	W	calc ppb
	1	A	448	37.0		220
28.8 - 29.0 metasediment boulder						
29.0 - 34.3 pebbles composition 70/30/1 (MS, HV/GR/LS) and very clayey till (blue grey sandy silty clay)	0	-	226	44.0	140	-
	0	-	<14	35.0		-
	0	-	264	42.0		-
	1	A	25	36.0		94
34.3 - 37.0 OJIBWAY I SEDIMENTS pure blue grey, fairly compact clay interbedded with fine, clean sand, a few pebbly intervals, minor silty, sandy clay						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc $M^{3/5}$
37			37.0 - 40.2 MISSINAIBI SEDIMENTS sandy gravels, not well interbedded, could have been misinterpreted as till, very minor interbeds of sand, gravel with little matrix. → high return, slow drilling gravel clasts ~ 60/40 (GR/MS,MV)	0	–	<13	14.0		–
40			40.2 - 48.0 BEDROCK bedrock soft, drills to rock flour → on +10 mesh mostly clay balls → 40.2 - 47.0 much contamination from sand and gravel above caving in around rods → basalt - porphyritic with very fine grained matrix → dark greenish black (up to 3mm white plagioclase phenocrysts) much minor dissem. sf, pervasive cc	–	–	3	1.5		

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 22/3 19 87 Sondage No: BOB-40 Localisation: site 116

Géologue: JL/B Sondeur: HD Outil: CB68892 Métrage: 0-3.3

Poste (heures) _____

_____ à _____ Sondage: 10:00 - 13:00

TOTAL Problèmes: ran out of water twice, water carrier lost a tire, work

_____ stopped at 13:30, HD to K.L. to get replacement

Contractant (heures) Divers: NEW BIT CB68892

_____ Déplacement sur le site suivant: _____

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
0			0-1.0 ORGANICS						
1			1.0-2.6 COCHRANE TILL						
2			fairly compact light brown sandy gritty clay						
			2.2-2.5 white granite boulder						
3		01 BEDROCK		–	–	<2	<0.5		
4			2.6-3.3 BEDROCK						
5			siliceous dacite						
6			v. fine grained, mm biotite						
7			pervasive calcite,						
8			minor qtz-calcite stockwork						
9			minor v. fine dissem. sf						
10			minor euhedral mm magnetite						
11			very slow drilling						
12			hole stopped at 3.3m due to lack of water and disabled water carrier						
13			EOH 3.3						
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 24 Mars 1987 Sondage No: BOB-41 Localisation: Site 67

Géologue: RSt-J, RM Sondeur: H. Duett H&S Outil: CB68892 Métrage: 3.3 - 19.3

Poste (heures)

____ à ____ Sondage: 06:00 - 10:45

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: to BOB-42 10:45 - 11:00

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		calc Pb
1			0.0 - 0.2 ORGANICS						
			0.2 - 3.0 COCHRANE TILL						
2			light beige sandy-clayey matrix						
3		N/S	3.0 - 7.8 OJIBWAY II SEDS						
			3.0 - 4.3 light gray to light beige, fine, soft clay						
4									
5			4.3 - 7.8 light beige sandy matrix cobbly to very cobbly intervals 40/58/2 (MS+MV/GR/LS)						
6									
7		01	gravel and sand, sorted 4.5 - 6.0 very bouldery interval.	0	-	190	5.4		-
8			7.8 - 14.5 MATHESON TILL						
9		02	7.8 - 10.4 Light gray to light beige sandy silty matrix. pebbles, cobbles 50/48/2 (MS+MV/GR/LS)	0	-	<11	20.0		-
10		03	light gray sandy clay interbeds	6	-	69	31.0		-
11		N/S							
		04	10.4 - 11.2 Very bouldery	0	-	234	49.0		-
12			11.2 - 12.6 Light gray to light beige sandy matrix pebbles, cobbles 75/23/2 (MS+MV, GR, LS)						
13		05		0	-	<11	43.0		-
14			Light gray sandy clay interbeds						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-41

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
1									
2									
3									
14									
		N/S	12.6 - 13.2 Till as above (11.2-12.6) very cobbly.						
15		06		-	-	8	0.5		
		BRK	13.2 - 14.2 Till as above (11.2-12.6)						
16			14.2 - 14.5 Till as above (11.2-12.6) very cobbly, bouldery. (Metasediment, Metavolcanics)						
17									
18									
19			14.5 - 16.0 BEDROCK						
20			- fine grained						
1			- dark gray to dark green color						
			- some carbonates (HCl test +)						
2			- chlorite						
			- quartz veins (2-3 cm?)						
3			- some schistosity						
			=> Chlorite schist						
4			-> Metavolcanic ?						
5									
			16.0 EOH						
6									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 24 Mars 1987 Sondage No: BOB-42 Localisation: SITE 68

Géologue: RSH-J, RM Sondeur: H. Duvet, H+S Outil: CB68B92 Métrage: 19.3-37.1

Poste (heures)

____ à ____ Sondage: 12:00 - 13:30

TOTAL Problèmes: 11:00 - 12:00 speed shifter problem.

Contractant (heures) Divers:

Déplacement sur le site suivant: To BOB 43 13:30 - 13:45

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS bom type	analyses of HMC (or bedrock) Au	As		calc Hyb
1		N/S	0.0 - 1.2 ORGANICS						
			1.2 - 2.6 COCHRANE TILL						
2		01	Light beige sandy - clayey matrix pebbles.	0	-	42	28.0		-
3			2.6 - 16.3 MATHESON TILL						
4		02	Light gray sandy (silty) matrix	0	-	46	16.0		-
5		03	Pebbles, cobbles 50/49/1 (MV+MS, GR, LS)	0	-	73	20.0		-
6									
7		04		0	-	71	50.4		-
8		05		0	-	32	23.0		-
9									
10		06	10.5 - 12.0 No return!	2	A	333	24.0		201
11	?								
12		07		0	-	25	24.0		-
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-42

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
1									
2									
3									
14									
15		07	15.4-16.3 Light greenish gray, sandy clay interbeds.						
16		08		0	-	<16	22.0		-
16		09 BRK	16.3-17.8 BEDROCK - dark green colour - fine grained - good to strong foliation - chlorite - quartz veins → chlorite schist (Metavolcanic)	-	-	6	0.9		
17			17.3 rock chips becoming medium green clay lumps						
17			17.8 EOH						
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 24-25 Mars 1987 Sondage No: BOB-43 Localisation: Site 69

Géologue: RSt-J, RM Sondeur: H. Durett H45 Outil: CB68892 / CB68767 Métrage: 37.1 → 43.9 / 0 → 9.7

Poste (heures)

____ à ____ Sondage: 03/24 13:45 - 17:30 / 03/25 07:00 - 09:00

TOTAL Problèmes:

Contractant (heures) Divers: Hole stopped at 10.5 m 87-03-24

Déplacement sur le site suivant: to BOB 44 09:00 - 09:15

ECHELLE: 1:100 New bit # CB68767 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		calc Mth
0			0.0 - 0.4 ORGANICS						
1			0.4 - 3.7 COCHRANE TILL						
2		N/S	light beige sandy (silty) clayey matrix. Pebbles						
3			3.7 - 15.2 MATHESON TILL						
4		01	3.7-6.4 Light gray sandy matrix. Pebbles, cobbles 50/48/2 (S) (MS+MV, GR, LS)	0	—	89	53.5		—
5		02	6.4-6.7 Cobbly till with boulders.	0	—	20	20.0		—
6		N/S	6.7-7.2 Very hard gabbro boulder Very slow drilling (1m : 3h !)						
7			6.8 Pull rods to change bit						
8		03	7.2 - 11.5 Light gray sandy silty matrix, [illegible] coarse, 60/37/3 (MS+MV, GR, LS)	0	—	95	107.0		—
9		04	8.6 - 11.5 light gray sandy clay interval	0	—	120	38.0		—
10									
11		05	8.8 - 9.8 Very cobbly	0	—	110	23.0		—
12			11.5 - 12.2 light gray clay with [illegible]						
13		06	12.2 - 14.0 Till as above 7.2 - 11.5	0	—	34	29.0		—
14		07							

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-43

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Pb
1									
2									
3									
4									
5		07	14.0-14.5 cobbly till	0	-	220	43.0		-
5		08	14.5-14.9 light gray, hard sandy clay matrix	-	-	11	1.7		
6		BRK	14.9-15.2 very cobbly till						
7			15.2-16.5 BEDROCK - dark gray to dark brown color - relatively soft - some carbonates - fine grained - moderate foliation - graywacke ?? => Metasediment						
8			16.4-16.5 interlayer with mafic volcanics ? represented by light greenish gray clay.						
9			16.5 EOH						
0									
1									
2									
3									
4									
5									
6									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 25 Mars 1987 Sondage No: BOB-44 Localisation: Site 70

Géologue: RSt-J RM Sondeur: H. Duteau H+S Outil: CB 68767 Métrage: 9.7 - 14.7

Poste (heures) _____

____ à ____ Sondage: 09:15 - 11:00

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: To BOB 45 11:00 - 11:15

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
1		N/S	0.0. - 0.3 ORGANICS 0.3 - 3.3 COCHRANE TILL Light beige sandy clayey matrix pebbly, cobbly.						
2									
3									
4		01 ORK	3.3 - 5.0 BEDROCK - dark to light gray color. - fine grained. - much disseminated pyrite, pyrotine? - magnetite - silica rich - carbonate rich → Andesite → Meta volcanic	—	—	8	<0.5		
5									
6									
7									
8									
9									
10									
11			5.0 EOH						
12									
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 25 Mars 1987 Sondage No: BOB-45 Localisation: Site 71

Géologue: RSt-J, RM Sondeur: H. Duuth HNS Outil: CB 68768 Métrage: 14.7 - 25.2

Poste (heures) _____

_____ à _____ Sondage: 11:15 - 13:00

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: To BOB 46 13:00 - 13:15

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mb
0			0.0 - 0.3 ORGANICS						
1			0.3 - 5.5 COCHRANE TILL						
2			light beige sandy clayey matrix pebbles, gradually becoming less sandy toward OJIBWAY II						
3									
4		N/S							
5			5.5 - 7.2 OJIBWAY II SEDS						
6			Light gray soft fine clay.						
7			7.2 - 9.0 MATHESON TILL						
8		01	Light gray sandy matrix, cobbles, pebbles 50/47/3 (MS1MV/GR/LS) cobbly till and pink granite boulder.	0	-	200	11.0		-
9			9.0 - 10.5 BEDROCK						
10		02 BRK	- Dark gray, black to dark green - much quartz veining (some pyrite in quartz veins) - Some carbonate (HCl Test +) → Andesite (Metavolcanic)	-	-	14	1.6		
11									
12									
13			10.2 - 10.4 Light green ...						
14			10.5 EOH						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 25 Mars 1987 Sondage No: BOB-46 Localisation: Site 72.

Géologue: RSt-J, RM Sondeur: H. Dan H H&S Outil: CB68767 Métrage: 25.2 - 33.7

Poste (heures) _____

_____ à _____ Sondage: 13:15 - 14:45

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: To BOB-47 14:45 - 15:00

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS Form type	analyses of HMC (or bedrock) Au	As		
1		N/S	0.0 - 0.2 ORGANICS 0.2 - 2.6 COCHRANE TILL Light gray sandy clayey matrix pebbles.						
2									
3		01	2.6 - 7.0 MATHESON TILL 2.6-6.2 Light gray sandy silty matrix pebbles cobbles 50/47/3 (MS+MU/GR/LS)	0	-	47	11.0		-
4									
5		02	6.2 - 6.5 Metavolcanic boulder	0	-	22	14.0		-
6		N/S	6.5 - 7.0 Till as above (2.6-6.2) very sandy						
7		03	7.0 - 8.5 BEDROCK	-	-	4	0.7		
8		BRK	- dark green colour - Thinly bedded (mm) alternating millimetric layers of light grey rich and dark chlorite rich "beds" → Tuff? → Metavolcanic						
9									
10									
11									
12			8.5 EOH						
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 25 Mars 1987 Sondage No: BOB-47 Localisation: Site 73

Géologue: RSt-J, RM Sondeur: H. Duett, H+S Outil: CB68767 Métrage: 33.7 - 51.2

Poste (heures)

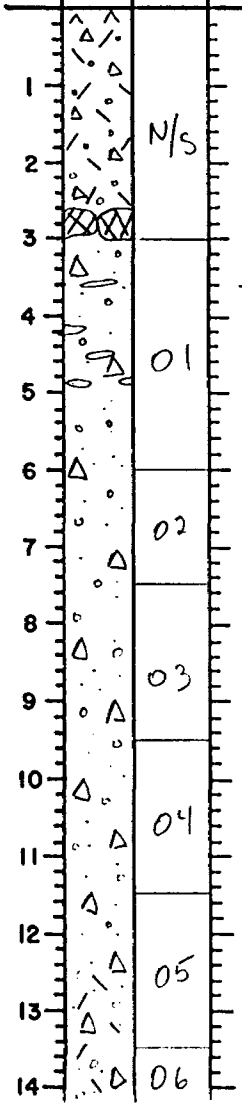
____ à ____ Sondage: 15:00 - 17:00

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: To BOB-48 17:00 - 18:30

ECHELLE: 1:100 Page 1 de 2



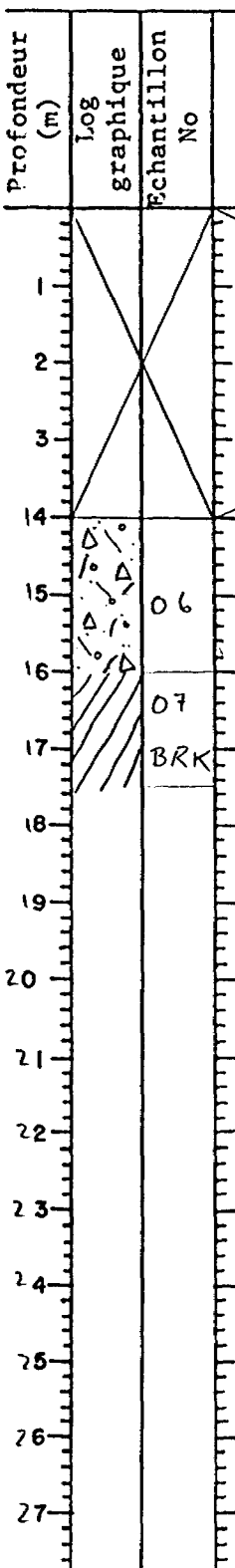
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As	Ag	calcite
1-2		N/S	0.0 - 0.2 ORGANICS 0.2 - 2.6 COCHRANE TILL light grey sandy - clayey matrix pebbles						
3-5		01	2.6 - 16.0 MATHESON TILL 2.6 - 3.0 Metavolcanics (boulders) 3.0 - 5.0 Light grey to light beige sandy matrix, cobbles, pebbles 60/38/2 (MS+MV, GR, LS) cobbly Till	0	-	120	31.0		-
6-7		02		0	-	140	31.0	9	-
8-9		03	5.0 - 8.0 fine light grey sand and pebbles - no sorting - very sandy till 8.0 - 12.5 Till as above (3.0-5.0)	0	-	<18	18.0		-
10-11		04	12.5 - 15.0 sandy clay matrix	0	-	190	44.0		-
12-13		05		0	-	293	21.0		-
14		06							

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-47

ECHELLE: 1:100



DESCRIPTION

15.0 - 16.0 Very clayey till.

16.0 - 17.5 BEDROCK

- Dark green to dark grey color
- Strong foliation
- fine grained
- disseminated pyrite
- Some carbonate (HCl Test +)
- Quartz veins

→ Andesite ?

↳ Metavolcanic

17.5 EOH

GOLD GRAINS		analyses of HMC (or bedrock)			
#	dom type	Au	As		
1	A	222	24.0		4
-	-	4	0.9		

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 26/3 19 87 Sondage No: BoB-48 Localisation: site 117

Géologue: JL YB Sondeur: HD Outil: CB68767 Métrage: 51.2-54.5

Poste (heures) _____

_____ à _____ Sondage: 6:30 - 8:00

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 8:00 - 8:15

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (on bedrock) Au	As		
			0 - 0.2 ORGANICS						
1			0.2 - 1.8 COCHRANE TILL hard medium brown sandy clay turns light brown and soft downsection, very minor pebbles						
2		01 BK		-	-	7	0.6		
		02 BEDROCK		-	-	7	<0.5		
3			1.8 - 3.3 BEDROCK dark greenish very fine grained tuffs minor 3mm qtz eyes, feldspar crystals, well defined wrinkly foliation minor cc and very thin cc and qtz veinlets minor v. fine disseminated sulfide may be weakly silicified 1.8 - 2.2 abundant rusty fracture surfaces (sample 01) 2.8 → abundant white quartz veinlets with coarse (~3mm) muscovite flakes						
4									
5									
6									
7									
8									
9									
10									
11									
12			EOH 3.3						
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 26/3 19 87 Sondage No: BOB-49 Localisation: site 118

Géologue: JL YB Sondeur: HD Outil: CB68767 Métrage: 54.5-65.0

Poste (heures) _____

_____ à _____ Sondage: 8:15-9:45

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 9:45-10:15

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc ppm
1			0-0.2 ORGANICS 0.2-1.2 COCHRANE TILL/SEDIMENTS dark brown hard pure clay turns quickly to soft sandy light brown clay						
2		01		0	–	41	4.4		–
3			1.2-9.0 MATHESON TILL abrupt contact with overlying clays fine sandy silty light beige grey matrix pebbly, cobbly, 60/40/2 (GR/MS,MV/LS)						
4		02		0	–	14	7.9		–
5			3.1 minor brown clayey till 3.5-5.7 low return → long sample 5.7-6.0 MV boulder with contamination from above or very cobbly till → no matrix, just rock flour						
6		NIS							
7		03	6.0-7.5 minor clayey till 7.5-9.0 variously very cobbly or very clayey till	0	–	<8	10.0		–
8		04	6.0-9.0 - pebbles composition 70/30/1 (MS,MV/GR/LS)	0	–	45	12.0		–
9		05	9.0-10.5 BEDROCK thinly laminated f. grained quartz eye tuff – medium grey pervasive minor cc, minor v. fine grained disseminated sulfide						
10		BEDROCK		–	–	<2	<0.5		
11			9.0-9.7 and also at 10.3: thin chocolate brown wispy laminations → carbonate veinlets						
12									
13			9.7-10.5 local minor strong silicification and minor quartz veining						
14									

COGEMA CANADA LIMITEE EOH 10.5 (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 26/3 19 87 Sondage No: BOB-50 Localisation: site 115

Géologue: JL YB Sondeur: HD Outil: CB68768 Métrage: 0-3.5

Poste (heures) _____

_____ à _____ Sondage: 10:15 - 12:45

TOTAL Problèmes: fuel line clogged 11:00 - 12:30

_____ _____

Contractant (heures) Divers: NEW BIT CB68768

_____ Déplacement sur le site suivant: 12:45 - 13:45

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
0			0-1.4 ORGANICS						
1			1.4-2.0 COCHRANE TILL soft light brown sandy clay						
2		01	2.0-3.5 BEDROCK						
3	BEDROCK		2.0-2.5 light grey fine grained siliceous tuff with quartz eyes well foliated (biotite laminations) pervasive cc, minor f. grained disseminated sulfide in tuff and in minor quartz veinlets	-	-	<2	<0.5		
4			2.5-3.5 abundant quartz-calcite veins within medium to dark green granular magnetic tuff → medium grained						
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 26/3 1987 Sondage No: BoB-51 Localisation: site 66

Géologue: JL YB Sondeur: HD Outil: CB68768 Métrage: 3.5-11.0

Poste (heures)

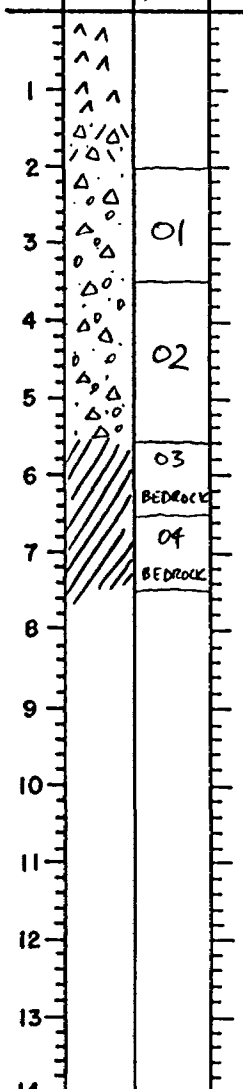
____ à ____ Sondage: 13:45 - 14:20

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 14:20 - 14:30

ECHELLE: 1:100 Page 1 de 1



DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
0-1.3 ORGANICS						
1.3-1.9 COCHRANE TILL						
1.9-5.6 MATHESON TILL						
fine sandy silty light grey beige matrix pebbly, cobbly, 60/40/2 (GR/MS,MU/LS)	0	-	471	<3.0		-
	0	-	59	26.0		-
5.6-7.5 BEDROCK (soft, easy to drill)						
5.6-6.5 thinly laminated light grey v. fine grained siliceous tuff ≥2 and up to 5% fine dissem'd pyrite, no cc	-	-	12	1.5		-
	-	-	<2	0.5		
6.5-7.5 dark green chloritic tuff, v. fine grained, thinly laminated, choritic glossy surfaces, v. minor disseminated sulfide in locally siliceous parts, no cc, minor qtz vein below 7.1m						

EOH 7.5

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 26/3 19 87 Sondage No: BOB-52 Localisation: site 65

Géologue: JL YB Sondeur: HD Outil: CB68768 Métrage: 11.0 - 19.8

Poste (heures)

____ à ____ Sondage: 14:30 - 16:30

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 16:30 - 16:45

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
0			0 - 1.0 ORGANICS						
1			1.0 - 3.5 COCHRANE TILL / SEDIMENTS hard dark brown pure clay followed immediately by light brown sandy clay, locally sandy, 2.8 - metasediment boulder						
2									
3									
4			3.5 - 4.5 OJIBWAY II SEDIMENTS pure soft grey clay						
5		01	4.5 - 7.3 MATHESON TILL fine sandy silty light grey beige matrix pebbly, cobbly, 50/50/1 (MS, MV/GR/LS)	0	-	120	13.0		-
6		02	contact with overlying clays abrupt	0	-	78	22.0		-
7		03 BEDROCK	7.3 - 8.8 BEDROCK (minor contamination from above due to caving in around rods)	-	-	6	<0.5		
8			hard, v. fine grained medium to dark grey tuff, thinly laminated, pervasive cc, v. minor sulfide						
9			8.0 v. minor thin pale green veinlets						
10									
11									
12									
13			EOH 8.8						
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 26/3 1987 Sondage No: BOB-53 Localisation: site 64

Géologue: JL YB Sondeur: H D Outil: CB68768 Métrage: 19.8-25.0

Poste (heures) _____

_____ à _____ Sondage: 16:45 - 18:15

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 18:15 - 18:30

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
0			0-0.1 ORGANICS						
1			0.1-2.5 COCHRANE TILL light brown sandy clay, pebbly at 2.0 m						
2									
3		01	2.5-3.7 MATHESON TILL light beige gray fine sandy silty matrix, pebbly, cobbly clast composition ~ 50/50/2 (MS, MV/GR/LS)	0	-	67	15.0		-
4		02 BEDROCK		-	-	3	10.0		
5			3.7-5.2 BEDROCK white to light beige to light grey v. fine grained siliceous tuff (or laminated quartz vein) v. minor sulfide generally associated with mafic minerals (minor biotite) sulfide locally abundant ~1% eg at 4.8m minor rusty coated fracture surfaces at 4.5m and at 5.0m						
6									
7									
8									
9									
10									
11									
12			EOH 5.2						
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 27 Mars 1987 Sondage No: BOB-54 Localisation: Sit 63.

Géologue: RSt-J, RM Sondeur: H. Duret Outil: CB68768 Métrage: 25.0 - 36.0

Poste (heures)

____ à ____ Sondage: 06:30 - 08:30

TOTAL Problèmes:

Contractant (heures) Divers: Clean and fill water tanks. (while moving)

Déplacement sur le site suivant: To BOB 55 08:30 - 11:00

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
			0.0 - 2.0 ORGANICS						
			2.0 - 3.8 COCHRANE TILL light beige sandy clayey matrix very pebbly.						
		N/S	3.8 - 4.4 OJIBWAY II SEDS. light gray fine soft clay with sandy interbeds						
		01	4.4 - 9.5 MATHESON TILL	0	-	63	14.0		-
		02	light gray sandy silty matrix pebbly some cobbles Clasts 60/38/2 (MV+MS/GR/LS)	1	A	605	20.0		128
		03	6.7 - 6.8 Sandy clay in matrix 6.8 - 8.0 cobbly - bouldery till	1	A	262	35.0		528
		N/S	8.0 - 8.9 clay in matrix.						
		04 Bedrock	9.2 - 9.5 cobbly - bouldery till.	-	-	<2	<0.5		
			9.5 - 11.0 BEDROCK - limonite surface alteration - light to medium grey colour - fine grain - fine disseminated pyrite - siliceous - chloritic → Dacite? → Tuff.?						
			11.0 EOH						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 27 Mars 1987 Sondage No: BOB-55 Localisation: Site 88

Géologue: RSt-J., RM Sondeur: H. Durett Outil: CB 6876B Métrage: 36.0-52.3

Poste (heures) _____

_____ à _____ Sondage: 11:00 - 13:45

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: Bit broke at 16.3m. - ended hole. -

_____ Déplacement sur le site suivant: To BOB 56 : 13:45 - 14:00

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As	W	calc Au ppb
1		N/S	0.0 - 0.1 ORGANICS 0.1 - 1.9 COCHRANE TILL light beige sandy matrix, pebbles 1.9 - 3.1 OJIBWAY II SEDS light beige to light gray fine clay						
4		01	3.1 - 14.9 MATHESON TILL 3.1-7.4 light beige sandy silty matrix, pebbles (cobbles) clasts 40/60 (MS+MV/GR)	0	-	251	<2.6		-
5		02		0	-	205	<2.4		-
6			7.4-7.9 light gray sandy clay in matrix pebbles, cobbles. clasts: 60/39/1 (MS+MV/GR/LS)						
7		03		0	-	<8	8.2		-
			7.9 - 9.5 Till as above (3.1 - 7.4)						
8		04	9.5 - 9.8 light gray sandy clay in matrix	1	A	226	13.0		303
9			9.8 - 11.9 Till as above (3.1-7.4)						
10		05	11.9 - 14.8 light gray hard sandy clay with rare pebbles and sandy interbeds.	0	-	41	21.0		-
11		06	(could be Missinaibi Beds)	5	A	425	15.0		2639
12									
13		07		1	A	120	17.0	117	113
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
1–14									
14		07	14.8-14.9 Till with light gray sandy matrix. (Could be Lower Till)						
15		08 BEDROCK	14.9-16.3 BEDROCK.	–	–	4	<0.5		
16			- Dark grey to dark green color.						
17			- fine grain						
18			- some carbonates (HCl test +)						
19			- moderately foliated / schistosed						
20			- siliceous, chlorite						
1			- dark red brown alteration on fractures						
2			⇒ Metavolcanic.						
3			16.3 EOH						
4									
5									
6									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 27 Mars 1987 Sondage No: BOB-56 Localisation: Site B7

Géologue: RSH-J, RM Sondeur: H. Durett Outil: CB 68973 Métrage: 0-13.0

Poste (heures) _____

_____ à _____ Sondage: 14:00 - 16:00

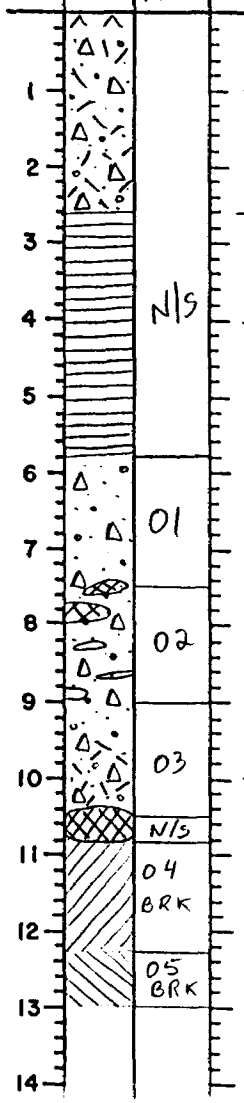
TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: To BOB-57 : 16:00 - 16:30

ECHELLE: 1:100 Page 1 de 1



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
			0.0 - 0.2 ORGANICS						
			0.2 - 2.6 COCHRANE TILL Light beige sandy clayey matrix pebbles						
			2.6 - 5.8 OJIBWAY II SEDS Light gray soft fine clay						
		N/S	5.8 - 10.8 MATHESON TILL Light beige sandy matrix. Pebbles. Clasts: 40/58/2 (MS+MV/GR/LS) 7.5 - 8.0 Bouldery till						
		01	8.0 - 9.0 Cobbly till; clasts 70/28/2 9.0 - 9.6 Till as above.	0	-	77	6.7		-
		02	9.6 - 10.4 Light gray sandy clay matrix	2	A	<8	10.0		566
		03	10.4 - 10.8 Metasediment boulder 10.8 - 13.0 BEDROCK	5	A	794	14.0		9443
		N/S	10.8 - 12.3 - dark to medium gray - fine disseminated pyrite - medium grain - siliceous - "blue" quartz - carbonate (HCl test +) - moderate schistosity → Diorite → Metavolcanic						
		04 BRK		-	-	<2	1.1		
		05 BRK		-	-	3	1.5		

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

Page ___ de ___

page 1 cntd

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
1			12.3 - 13.0
2			- medium to dark green (olive) to dark gray color.
3			- fine to medium grain.
4			- centimetric white quartz veins.
5			
6			13.0 EOH
7			
8			
9			
0			
1			
2			
3			
4			
5			
6			
7			
8			

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 27/3 19 87 Sondage No: BOB-57 Localisation: site 86

Géologue: JL YB Sondeur: G. DUDGEON Outil: CB68973 Métrage: 13.0-33.0

Poste (heures)

____ à ____ Sondage: 18:30 - 20:30

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 20:30 - 20:45

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
1			0 - 1.6 ORGANICS
2			1.6 - 8.0 COCHRANE TILL soft grey sandy clay
3			
4			
5			
6			
7			
8			8.0 - 15.2 OJIBWAY II SEDIMENTS pure grey clay, soft a few sandy interbeds
9			
10			
11			
12			
13			
14			

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BoB-57

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		calc Mb
15			15.2 - 18.3 MATHESON TILL abrupt contact with overlying clays fine sandy silty light beige grey matrix pebbly, cobbly 50/50/3 16.6-17.5 very sandy, few pebbles						
16		01		0	-	12	20.0		-
17		02		1	A	259	16.0		126
18			18.3 - 20.0 BED ROCK						
19		03 BEDROCK	fine grained black biotite schist metasediment (very soft, have to drill slow, grinds to rock flour clay) no visible sulfide, but a few rusty fracture surfaces minor calcite and quartz veins 18.8-19.0 thin light to medium grey felsic dyke (?) v. fine grained	-	-	<2	<0.5		
20			EOH 20.0						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 17/3 19 87 Sondage No: BoB-58 Localisation: site 85

Géologue: JL YB Sondeur: G. DUDGEON Outil: CB68973 Métrage: 33.0-55.5

Poste (heures) _____

_____ à _____ Sondage: 20:45 - 22:15

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 22:15-22:30

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0			0 - 2.0 ORGANICS
2			2.0 - 8.0 COCHRANE TILL soft, grey sandy clay
8			8.0 - 14.5 OJIBWAY II SEDIMENTS pure soft grey clay a few pebbly interbeds
14			

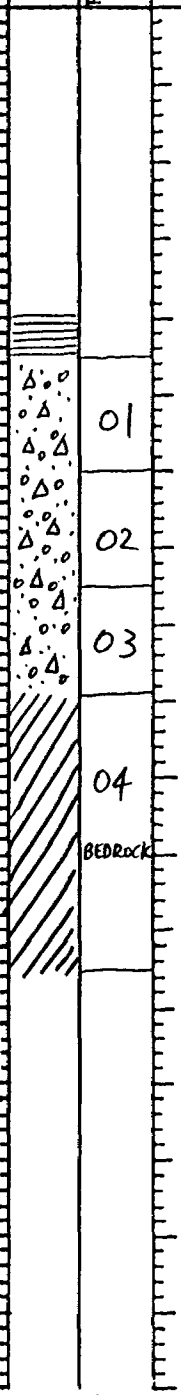
COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-58



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
			14.5 - 18.9 MATHESON TILL abrupt contact with overlying clays fine sandy silty beige grey matrix pebbly, cobbly 55/40/5 (MS,MV/GR/LS)						
15		01		0	-	559	22.0		-
16									
17		02		0	-	32	17.0		-
18		03		0	-	1520	16.0		-
19			18.9 - 22.5 BEDROCK 18.9 - 21.5 very soft rock, drills easily, turns to rock flour clay black coloured chips, but clay is slightly greenish minor quartz vein, calcite 20.8 - 21.5 rods dropped ~0.7m very fractured, oxidized fracture surfaces → METASEDIMENT (?)						
20		04		-	-	31	1.7		
21		BEDROCK							
22									
23			21.5 - 22.5 light to medium grey, but locally dark green, thinly laminated tuff (?) fractured surfaces common						
4									
5									
6									
7									
8			EOH 22.5						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 27-28/3 1987 Sondage No: BoB-59 Localisation: site 84

Géologue: JL YB Sondeur: G DUDGEON Outil: CB68973 Métrage: 55.5-66.8

Poste (heures)

____ à ____ Sondage: 22:30 - 1:30

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 1:30 - 1:45

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		ele rpb
0			0 - 0.7 ORGANICS						
1			0.7 - 2.0 COCHRANE TILL/SEDIMENTS hard pure dark brown clay followed quickly by light brown sandy clay and sandy till						
2		01		1	A	52	2.9		1573
3		N/S	2.0 - 9.8 MATHESON TILL						
4		01	fine sandy silty light beige grey matrix pebbly, cobbly 50/50/3						
5		02	2.7 - 3.4 white granite boulder	1	A	42	22.0		103
6		03	6.7 - 7.0 white granite boulder	0	-	14	16.0		-
7		N/S							
8		04		1	I	350	39.0		191
9		05	9.8 - 11.3 BEDROCK	0	-	25	24.0		-
10		06	thinly laminated quartz biotite schist very minor calcite, no visible sulfide → metasediment	-	-	7	0.8		
11		BEDROCK	numerous mm quartz veinlets ⊥ to laminations hard rock - slow drilling						
12									
13			EOH 11.3						
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 28/3 1987 Sondage No: BOB-60 Localisation: site 83

Géologue: JL YB Sondeur: G DUDGEON Outil: CB68975 Métrage: 0-12.5

Poste (heures)

____ à ____ Sondage: 1:45 - 4:00

TOTAL Problèmes: repair headlight 4:00 - 4:45

Contractant (heures) Divers: NEW BIT CB68975 NEW BIT SUB

Déplacement sur le site suivant: 4:45 - 5:00

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (on bedrock) Au	As		calc Mb
1			0 - 0.4 ORGANICS 0.4 - 3.8 COCHRANE TILL dark brown, then light brown very pebbly sandy clay 3.8 - 4.3 OJIBWAY II SEDIMENTS pure, soft, clay 4.3 - 10.7 MATHESON TILL fine sandy silty light beige grey matrix pebbly, cobbly 60/40/1 (MS,MV/GR/LS) 4.3 - 4.8 very sandy 4.8 - minor hard, very compact brown clay (4.3 - 4.8 may be lower part of OJIBWAY II SEDIMENTS)						
2									
3									
4									
5		01		0	-	<10	20.0		-
6		02		2	A	511	15.0		4/6
7									
8		03		0	-	66	19.0		-
9									
10		04	10.7 - 12.5 BEDROCK 10.7 - 11.0 strong contamination from above due to caving in around rods	4	A	2040	45.0		6074
11		05 BEDROCK	11.0 - 11.5 mostly qtz-carbonate vein quartz translucent to white, carbonate brownish (some host, see below) (also briefly occurs at 11.9)	-	-	5	<0.5		
12			11.9 - 12.5 dark green fine grained granular → METAVOLCANIC (?) minor calcite, no visible sulfide						
13									
14									

COGEMA CANADA LIMITEE (Doc. #0050U)

EOH 12.5

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 28/3 1987 Sondage No: BOB-61 Localisation: site 82

Géologue: JL YB; RSt-J RM Sondeur: GD; HD Outil: CB68975 / CB68893 Métrage: 12.5-34.0 / 0-3.5

Poste (heures)

____ à ____ Sondage: 5:00 - 12:15

TOTAL Problèmes: pull rods to change bit at 21.5m, wait for water 8:30-9:30,

Contractant (heures) Divers: NEW BIT CB68893

Déplacement sur le site suivant: 12:15 - 12:30

ECHELLE: 1:100 Page 1 de 2

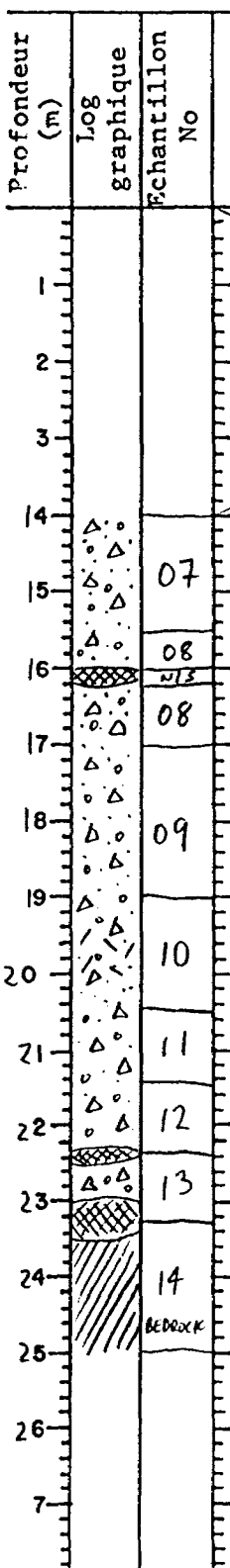
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
1			0 - 1.0 ORGANICS						
2			1.0 - 2.3 COCHRANE TILL dark brown sandy clay changes quickly to light brown sandy clay, a few cobbles						
3		01	2.3 - 23.5 MATHESON TILL fine sandy silty light grey beige matrix pebbly, cobbly 50/50/1	0	-	40	3.4		-
4									
5		02		0	-	329	15.0		-
6			6.9 - 11.8 clayey till, locally very clayey, hard compact bluish grey clay						
7		03	7.4 - 8.5 two metasediment boulders	0	-	63	21.0		-
8		N/S							
9									
10		04		0	-	64	13.0		-
11									
12		05		0	-	68	18.0		-
			12.45 - 12.55 pink granite boulder						
13		06		0	-	17	19.0		-
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB- 61



DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Au
	0	-	110	29.0		-
16.0-16.2 white granite boulder						
change shift (end night shift) at 17.0m	0	-	<8	15.0		-
16.2-18.5 light gray sandy matrix, pebbles. Clasts: 50/50/1	0	-	120	13.0		-
18.5-18.6 light gray sandy clay.						
18.6-19.4 Till as above (16.2-18.5)						
19.4-20.0 light gray sandy clay matrix	0	-	36	10.0		-
20.0-22.3 Till as above (16.2-18.5)						
22.3-22.5 white granite boulder	(1-I) 3	A	289	14.0		397
22.5-23.0 Cobbly bouldery till						
23.0-23.5 Metavolcanic boulder	1	A	130	11.0		144
23.5-25.0 BEDROCK	4	A	4860	26.0		5708
- medium to light brown - fine grain - fine pyrite cristals - some carbonates (HCl test + - strong foliation/schistosity - crosscutted by light to dark green chlorite-muscovite (1cm)-Quartz-Feldspar dykes (10cm thick) => Metavolcanic	-	-	9	0.7		
25.0 EOH						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 28 Mars 1987 Sondage No: BOB-62 Localisation: Site 81

Géologue: RST-J, RM Sondeur: H. Durett Outil: CB 68893 Métrage: 3.5-32.5

Poste (heures)

____ à ____ Sondage: 12:30 - 15:45

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 15:45 - 16:00

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		ale Mn
1		N/S	0.0 - 2.0 ORGANICS 2.0 - 6.5 COCHRANE TILL light beige sandy clayey matrix Pebbles 6.5 - 8.5 OJIBWAY II SEDS light gray soft fine clay. 8.5 - 19.2 MATHESON TILL 8.5 - 12.4 Light gray sandy silty matrix. Pebbles (cobbles) clasts: 40/58/2 (MS+MV/GR/LS)						
9		01		3	A	58	45.0		284
11		02		0	–	<7	43.0		–
12		03	12.4 - 14.0 Light gray sandy clay in matrix and coarse pebbles	0	–	120	54.8		–
14		04							

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-62

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As	Zn	
1–14			NOTE The entire section 8.5-27.5 has been assigned to MATHESON TILL on the cross-section						
14	Δ o	04	14.0-16.8 Cobbly - bouldery till	0	-	100	52.2		-
15	o	05	15.3-15.7 white granite boulder						
		N/S							
16	Δ o	05	16.8-18.4 Till as above (8.5-12.4)	0	-	<8	53.9		-
17	Δ o	06	18.4-18.6 light gray sandy clay 18.6-19.2 Till as above (8.5-12.4)	2	A	83	113.0	500	88
18	Δ		19.2-21.0 MISSINAIBI SEDS?						
19	Δ	07	19.2-19.3 Light gray hard sandy clay.	0	-	45	51.9		-
20	?	N/S	19.3-21.0 no samples, bit is plugged? - rods go down easily!						
21	Δ								
22	Δ	08	21.0-27.5 LOWER TILL? Light gray very sandy Till Pebbles. Clasts: 60/38/2	0	-	20	47.0		-
23	Δ	09		0	-	26	36.0		-
24	Δ		27.5-29.0 BEDROCK						
25	Δ	10	- Dark green color - very fine grain - much schistosity - Quartz veins	0	-	201	41.0		
26	Δ	11	- "soft" rock which turns easily in to clay → chlorite schist → Metavolcanic	0	-	231	47.0		
27	Δ								
28	Δ	12 BRK	29.0 EOH	-	-	<2	1.3		

COGEMA CANADA LIMITEE

(Doc. #0050U-A)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 28 Mars 1987 Sondage No: BOB-63 Localisation: Site 80

Géologue: RSt-J, RM. Sondeur: H. Durett Outil: CB68B93 Métrage: 32.5-44.0

Poste (heures) _____

_____ à _____ Sondage: 16:00 - 17:15

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 17:15 - 17:30

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		calc ppb
0		N/S	0.0 - 1.5 ORGANICS						
1			1.5 - 3.8 COCHRANE TILL.						
2			Light gray sandy clayey matrix Pebbles.						
3			3.8 - 9.0 OJIBWAY II SEDS						
4			Light gray soft fine clay						
5			9.0 - 10.0 MATHESON TILL						
6			light gray sandy silty matrix pebbles, cobbles clasts: 50/48/2 (MS+MV/GR/cs)						
7									
8			10.0 - 11.5 BEDROCK						
9			- Dark gray to black color.						
10		01	- Some carbonate (HCl test +)	0	-	120	27.0		-
11		02 BRK	- fine grain - Siliceous? → Important contamination! → Andesite → Metavolcanic	-	-	<2	<0.5		
12									
13			11.5 EOH						
14									

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 28/3 19 87 Sondage No: BoB-64 Localisation: site 79

Géologue: JL YB Sondeur: GD Outil: CB68893 Métrage: 44.0-55.3

Poste (heures)

____ à ____ Sondage: 19:00 - 20:15

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 20:15 - 20:30

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		Au
1			0 - 1.2 ORGANICS						
2			1.2 - 4.6 COCHRANE TILL light brown, then grey sandy clay 2.4 - 2.8 pure grey clay 2.8 - 4.0 fine sandy silty light beige grey matrix - pebbly (Note: 2.4 - 2.8 was originally thought to be OJIBWAY II clays, and sandy till was thought to be Matteson Till, but then, more pure soft clay was encountered)						
3		01		0	—	32	7.8		—
4									
5		N/S							
6			4.6 - 6.2 OJIBWAY II SEDIMENTS pure grey clay, soft						
7		02	6.2 - 9.8 MATHESON TILL	1	A	80	22.0		6977
8		03	abrupt contact with overlying clays fine sandy silty light grey beige matrix pebbly, cobbly 60/40/1 (MS,MV/GR/LS) 8.5 - 9.8 hard compact clay in the matrix 9.1 - 9.2 metasediment boulder	0	—	5400	19.0		—
9		N/S		↓	↓	↓	↓		
10		03							
11		04 BEDROCK	9.8 - 11.3 BEDROCK black fine grained biot schist → metasediment v. minor f. grained disseminated sulfide 11.1 - 11.3 much rock flour clay	-	—	<2	0.6		
12									
13									
14			EOH 11.3						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 28/3 1987 Sondage No: BoB-65 Localisation: site 99

Géologue: JL YB Sondeur: GD Outil: CB68893 / CB68974 Métrage: 55.3-70.1 / 0-8.6

Poste (heures) _____

_____ à _____ Sondage: 20:30-23:50

TOTAL Problèmes: pull rods to change bit at 14.8m

_____

Contractant (heures) Divers: NEW BIT CB68974

_____ Déplacement sur le site suivant: 23:50-0:15

ECHELLE: 1:100 Page 1 de 2

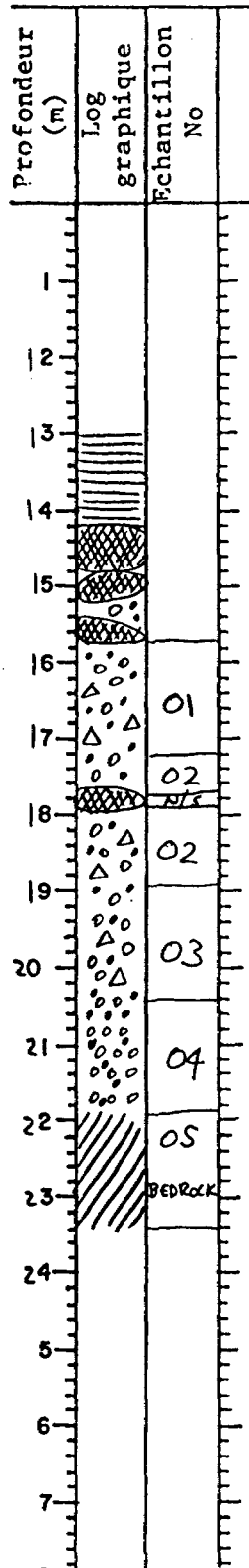
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0			0-1.6 ORGANICS
1			1.6-9.2 COCHRANE TILL/SEDIMENTS
2			fine sands quickly followed by brownish grey, soft, sandy clay -a few pebbles
3			
4			
5			
6			
7			
8			
9			9.2-14.2 OJIBWAY II SEDIMENTS
10			pure soft grey clay
11			
12			
13			
14			

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-65



DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mb
14.2 - 21.9 MATHESON TILL (?) several boulders are followed by what was first perceived to be very cobbly till → by about 17.5m it seemed possible that these were sandy gravels	1	A	423	18.0		311
	↓	↓				
→ by about 20m it became apparent that these were sands and sandy gravels	0	–	120	5.0		–
→ this hole was artesian and it is most probable that groundwater movement has removed fines from the till → the hole is positioned at about 5m from a stream.	4	A	1790	6.3		1917
	2	A	68	4.0		210
14.2 – 14.8 metased iment boulder 14.8 – 15.2 metavolcanic boulder 15.4 – 15.7 white granite boulder 17.7 – 17.9 white granite boulder	–	–	12	1.0		
21.9 – 23.4 BEDROCK Fine grained dark to medium grey biotite schist → metasediment minor quartz vein much contamination from above						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 29/3 19 87 Sondage No: BOB-66 Localisation: site 100

Géologue: JL YB Sondeur: GD Outil: CB68974 Métrage: 8.6-21.1

Poste (heures)

____ à ____ Sondage: 0:15 - 1:15

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 1:15 - 1:30

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
1			0-1.2 ORGANICS						
			1.2 - 5.0 COCHRANE TILL hard light brown sandy clay followed by sandy till, then hard, then soft grey sandy clay						
5			5.0 - 11.0 OJIBWAY II SEDIMENTS						
			5.0 - 6.5 pure soft grey clay sand and pebble interbeds						
			6.5 - 10.5 fine and medium sands, light brown, very few pebbles						
			10.5 - 11.0 coarse, clean gravel, 50/50/2 very little matrix						
9		01	11.0 - 12.5 BEDROCK thinly laminated crystal tuff (white to greenish up to ~3mm plagioclase laths)	0	-	14	12.0		-
11		N/S							
		02	groundmass v. fine grained, medium grey minor calcite, quartz vein very minor sulfide → pyrrhotite?	-	-	<2	2.5		
12		BEDROCK							
			12.0 abundant quartz vein						
13			EOH 12.5						
14									

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 29/3 1987 Sondage No: BOB-67 Localisation: site 101

Géologue: JL YB Sondeur: GD Outil: CB68974 Métrage: 21.1 - 48.2

Poste (heures)

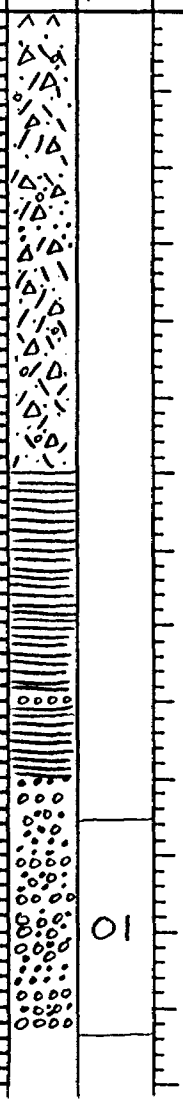
____ à ____ Sondage: 1:30 - 6:15

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 6:15 - 6:30

ECHELLE: 1:100 Page 1 de 2

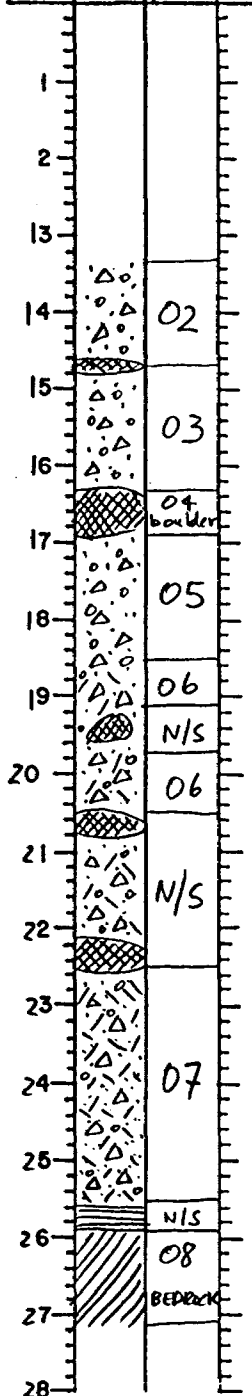
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As	Cu	calc ppb
1–14		01	0–0.2 ORGANICS 0.2–6.0 COCHRANE TILL dark brown, then light brown sandy clay 2.0–3.4 very sandy, but still clayey till 6.0–13.3 OJIBWAY II SEDIMENTS pure, soft grey clay 9.0 pebbly interbeds 10.0–13.3 medium and coarse sands and gravels, some clean gravel with no matrix → interbedded some sands are magnetite rich	0	–	120	22.0	518	–

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-67



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
			13.3 - 25.6 MATHESON TILL						
			fine sandy silty matrix, light beige grey pebbly cobbly 50/50/3	0	-	19	33.0		-
			14.6 - 14.8 granite boulder						
			16.3 - 16.9 green metavolcanic boulder showing fault breccia textures and minor arsenopyrite mineralization → SAMPLED	0	-	18	25.0		-
				-	-	<2	<0.5		
			18.7 - 25.6 compact grey clay in the matrix increases in quantity until till is sandy clay	5	A	1310	42.0		1014
			19.1 - 19.7 driller playing with rods, very significant sandy contamination from above (hard metasediment boulder moving around)						
			20.5 - 20.8 white granite boulder	0	-	35	54.6		-
			20.8 - 22.1 hard clay and metasediment chips → geologist thought he was in bedrock → no sample						
			20.8 - 25.6 very clayey till, only minor sand and silt in the matrix, poor return clasts 70/30 (MS, MV/GR)						
			22.1 - 22.5 metasediment boulder						
			25.6 - 25.9 MISSINAIBI SEDIMENTS OJIBWAY I clays, pure hard grey clay	1	A	251	49.0		46
			25.9 - 27.1 BEDROCK						
			black fine grained dark grey biot. schist → metasediment minor calcite, quartz	-	-	13	<0.5		
			EOH 27.1						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 29 Mars 1987 Sondage No: BOB-68 Localisation: Site 110

Géologue: RSt-J, RM Sondeur: H. Durett Outil: CB68974 Métrage: 48.2 - 52.7

Poste (heures) _____

_____ à _____ Sondage: 06:30 - 08:15.

TOTAL Problèmes: Water in fuel during move - Stop 15 min.

_____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 08:15 - 08:45

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
1		N/S	0.0 - 0.2 ORGANICS 0.2 - 2.0 COCHRANE TILL light beige sandy clayey matrix, pebbles.						
2									
3		01 BRK	2.0 - 2.6 OJIBWAY II SEDS Medium gray fine soft clay	-	-	7	<0.5		
4			2.6 - 2.8 MATHESON TILL 2.6 - 2.8 Metasediment boulder.						
5									
6			2.8 - 4.5 BEDROCK - Dark gray color. - fine grain - moderate foliation / schistosity - disseminated pyrite - Quartz veins (white) - soft rock → Andesite → Metas...						
7									
8									
9									
10									
11			4.5 EOH						
12									
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 29 Mars 1987 Sondage No: BOB-69 Localisation: Site 109

Géologue: RST-J, RM Sondeur: H. Durett Outil: CB 68974 Métrage: 52.7 - 62.7

Poste (heures) _____

_____ à _____ Sondage: 09:30 - 10:15

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: Clean water tanks before starting hole 08:45 - 09:30

_____ Déplacement sur le site suivant: 10:15 - 10:45

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses HMC (or bedrock) Au	As		
0			0.0 - 1.5 ORGANICS						
1			1.5 - 4.0 COCHRANE TILL Light gray sandy clayey matrix pebbles						
2									
3			4.0 - 8.0 OJIBWAY II SEDS Medium gray soft fine clay						
4			8.0 - 8.2 MATHESON TILL Light gray sandy silty matrix Pebbles						
5		N/S							
6			8.2 - 10.0 BEDROCK - Dark gray - Medium grain - Biotite - chlorite - Disseminated pyrite → Andesite ? → Metavolcanic						
7									
8									
9		01 BRK	interlayered with 10-15 cm thick - light brown to medium gray - biotite rich - very fine grain - pyrite rich → Tuff ?	-	-	5	<0.5		
10									
11									
12									
13			interlayered with 10 cm thick - dark green - very soft - chloritic - Quartz veins (white yellow) → Tuff ?						
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 29 Mars 1987 Sondage No: BOB-70 Localisation: Site 111

Géologue: RSt-J, RM Sondeur: H. Durett Outil: CB 68974 Métrage: 62.7-69.5

Poste (heures) _____

_____ à _____ Sondage: 10:45 - 12:00

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 12:00 - 12:15

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		wt Mg
0			0.0 - 0.2 ORGANICS						
1			0.2 - 2.5 COCHRANE TILL						
2		N/S	Light beige sandy clayey matrix Pebbles.						
3			2.5 - 2.8 OJIBWAY II SEDS						
4		01	Medium grey soft fine clay	1	A	22	3.2		376
5		02	2.8 - 5.3 MATHESON TILL	1	A	13	<2.2		4
		N/S	Medium to dark gray sandy matrix. Very pebbly Very cobbly						
6		03	clasts: 70/28/2 (MS+MV/GR/LS)	-	-	<2	<0.5		
		BRK	5.0 - 5.3 Metasediment boulder.						
7			5.3 - 6.8 BEDROCK						
8			- Dark gray to dark green						
9			- moderate schistosity / foliation						
10			- disseminated pyrite						
11			- much amphibole / biotite						
12			- some contamination from above.						
13			→ Andesite? → Metavolcanic						
14			6.8 EOH						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 29 Mars 1987 Sondage No: BOB-71 Localisation: Site 112

Géologue: RST-3, RM. Sondeur: H. Durett Outil: CB 68974 Métrage: 69.5 - 75.7

Poste (heures) _____

_____ à _____ Sondage: 12:15 - 13:15

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 13:15 - 13:30

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dem type	analyses of HMC (or bedrock) Hg	As		
1			0.0 - 1.5 ORGANICS						
			1.5 - 2.8 COCHRANE TILL						
			Light beige sandy clayey matrix. Pebbles.						
2									
3		N/S	2.8 - 4.6 OJIBWAY II SEDS						
			Medium gray soft fine clay.						
4			4.6 - 4.7 MATHESON TILL.?						
			Light gray sandy silty matrix, Pebbles.						
5		01 BRK		-	-	3	<0.5		
			4.7 - 6.2 BEDROCK						
6			- Light to medium gray.						
7			- coarse grain						
8			- disseminated pyrite						
			- biotite hornblende						
9			- carbonates (HCl test +)						
			→ Diorite? → Metavolcanic						
10									
			6.2 EOH						
11									
12									
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 29 Mars 1987 Sondage No: BOB-72 Localisation: Site 113

Géologue: RST-J, RM Sondeur: H. Durett Outil: CB 68974 Métrage: 75.7-92.2

Poste (heures)

____ à ____ Sondage: 13:30 - 15:15

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 15:15 - 15:45

ECHELLE: 1:100 Page 1 de 2.

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
1			0.0 - 1.0 ORGANICS						
			1.0 - 8.5 COCHRANE TILL						
			Light beige sandy clayey matrix. Pebbles.						
2			8.5 - 9.5 OJIBWAY II SEDS						
3			Medium gray soft fine clay						
4			9.5 - 15.2 MATHESON TILL						
			Light gray sandy silty matrix Pebbles. Clasts: 40/58/2 (MS+MV/GR/CS)						
5			12.5 - 13.0 Light gray sandy clay matrix						
6		N/S	13.0 - 13.6 Light gray sandy clay till						
7			13.6 - 13.8 Light gray sandy clay matrix. Pebbles, cobbles.						
8			13.8 - 14.2 Bouldery Till - pink granite and volcanics.						
9			14.2 - 15.2 Light gray sandy very clayey matrix						
10		01		1	A	293	<2.5		25
11									
12		02		2	A	545	21.0		164
13									
14		03							

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-72

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of FMC (or bedrock) Au	As		
1–13									
14–15		03	15.2 - 16.5 BEDROCK	1	A	524	13.0		123
15–16		04 BRK	- Dark green color. - fine grain schistosity - chlorite rich - some carbonates - Quartz veins - chlorite schist → Metavolcanic	-	-	<2	<0.5		
16.5			EOH						
17–28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 29 Mars 1987 Sondage No: BOB-73 Localisation: Site # 108

Géologue: RSt-J, RM Sondeur: H. Dunett Outil: CB 68853 Métrage: 0.0-9.7

Poste (heures)

____ à ____ Sondage: 15:45 - 16:45

TOTAL Problèmes:

Contractant (heures) Divers: New bit CB 68853

Déplacement sur le site suivant: 16:45 - 17:00

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (on bedrock) Au	As		calc ppb
1			0.0-0.2 ORGANICS						
			0.2-5.0 COCHRANE TILL						
			Light beige sandy clayey matrix Pebbles.						
2			5.0-7.0 OJIBWAY II SEDS.						
			5.0-5.8 Medium gray. soft fine clay.						
3			5.8-7.0 Light gray very fine sand						
4		N/S							
5			7.0-8.2 MATHESON TILL						
6			7.0-7.8 Light gray sandy silty matrix Very pebbly						
7		01	7.8-8.2 Metavolcanic boulder.	0	-	14	16.0		-
8		N/S							
		02	8.2-9.7 BEDROCK	-	-	6	1.8		
9		CRK	- Dark grey to dark greenish gray color.						
			- fine dark gray matrix						
10			- Feldspar porphyroblasts up to 3mm.						
11			- Turns easily into clay						
			- Quartz veins						
12			→ Porphyroblastic Tuff						
13			9.7 EOH						
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 29 Mars 1987 Sondage No: BOB-74 Localisation: Site 107

Géologue: RSt-J, RM / JL, YB. Sondeur: H. Duett / G.D. Outil: CB 68853 Métrage: 9.7 - 26.9

Poste (heures)

____ à ____ Sondage: 17:00 - 20:15

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 20:15 - 20:30

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bed rock) Au	As		
0			0.0 - 0.2 ORGANICS						
1			0.2 - 8.7 COCHRANE TILL						
2			0.2 - 8.5 Light beige sandy clayey matrix, pebbles.						
3			8.5 - 8.7 Medium beige sandy matrix. Pebbly till.						
4			8.7 - 11.5 OJIBWAY II SEDS						
5			Medium gray soft fine clay.						
6		W/S	11.5 - 15.7 MATHESON TILL						
7			11.5 - 13.2 Light gray sandy silty matrix. Pebbly.						
8			Clasts: 50/47/3 (MS+MV/GR/LS)						
9			13.2 - 15.7 Clay in matrix more pebbly.						
10									
11									
12		01		0	-	130	17.0		-
13		02							
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-74

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		oth Mpb
1									
12									
13									
14			13.5-15.3 very clayey till, some sand and silt in the matrix, not too pebbly						
15		02	15.3-15.7 pebbly	1	A	1240	18.0		587
16		03	15.7-17.2 BEDROCK	-	-	<2	0.9		
17	BEDROCK		fine to medium grained dark green andesite hornblende crystals up to 1mm minor calcite, quartz veinlets → some contamination from above due to caving in around rods						
18									
9									
0									
1									
2									
3									
4									
5									
6			EOH 17.2						
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 29/3 1987 Sondage No: BoB-75 Localisation: site 102

Géologue: JL YB Sondeur: GD Outil: CB68853 Métrage: 26.9-41.4

Poste (heures) _____

_____ à _____ Sondage: 20:30 - 21:15

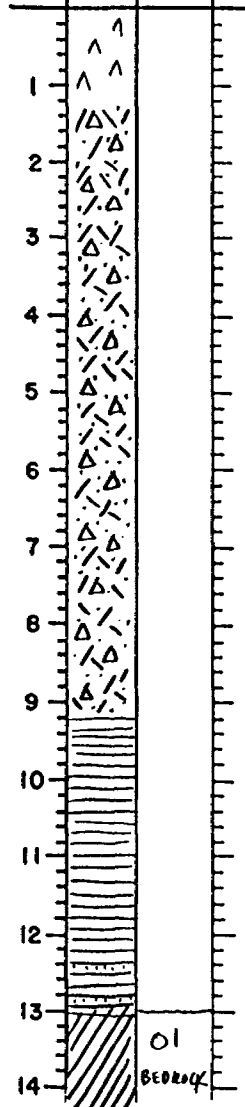
TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 21:15 - 21:30

ECHELLE: 1:100 Page 1 de 1



DESCRIPTION	GOLD GRAINS		analyses of HMC (or bedrock)			
	#	dom type	Au	As		
0-1.1 ORGANICS						
1.1-9.2 COCHRANE TILL light brown soft sandy clay few pebbles						
9.2-13.0 OJIBWAY II SEDIMENTS pure soft grey clay minor fine sand interbeds						
13.0-14.5 BEDROCK soft porphyritic andesite tuff thinly schistose minor calcite, quartz veinlet minor pyrite as coating in schistosity plane						
EOH 14.5	-	-	<2	1.0		

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 29/3 19 87 Sondage No: BoB-76 Localisation: site 103

Géologue: JL YB Sondeur: GD Outil: CB68853 Métrage: 41-4-49-8

Poste (heures)

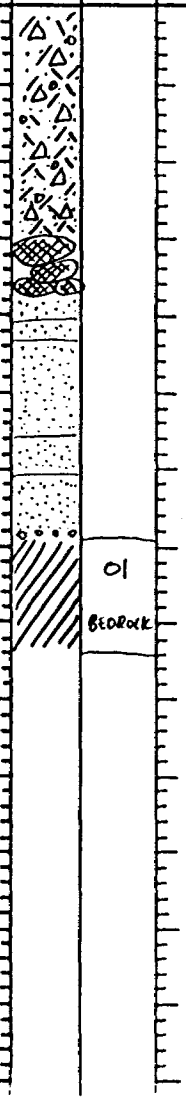
____ à ____ Sondage: 21:30 - 23:15

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 23:15 - 23:30

ECHELLE: 1:100 Page 1 de 1



DESCRIPTION

0 - 3.7 COCHRANE TILL

dark brown sandy clay followed immediately by light brown sandy clay
- few pebbles

3.1 - 3.7 granitoid boulders

3.7 - 6.8 OJIBWAY II SEDIMENTS

very fine light brown sands and silts
interbeds of pure grey clay

6.8 - 6.9 MATHESON TILL (?)

sandy and pebbly for 10 cm interval

6.9 - 8.4 BEDROCK

porphyritic reddish brown dacite tuff
weak foliation → biotite
feldspar phenocrysts and quartz eyes (mm)
minor calcite, quartz veinlets
minor green mafic dykes

EOH 8.4

GOLD GRAINS		analysis of HMC (on bedrock)			
#	dom type	Au	As		
-	-	9	0.7		

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 29-30/3 19 87 Sondage No: BDB-77 Localisation: site 104

Géologue: JL YB Sondeur: GD Outil: CB68853 Métrage: 49.8 -68.6

Poste (heures) _____

_____ à _____ Sondage: 23:30 - 0:45

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 0:45-1:00

ECHELLE: 1:100 Page 1 de 2

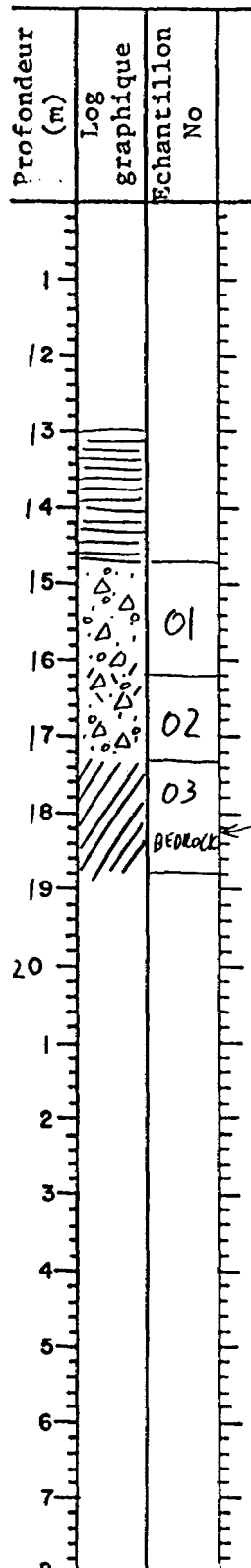
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0			0-0.6 ORGANICS
1			0.6-10.6 COCHRANE TILL
2			light brown sandy clay,
3			few pebbles
4			
5			
6			
7			
8			
9			
10			10.6 - 14.7 OJIBWAY II SEDIMENTS
11			pure soft grey clay
12			
13			
14			

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BoB-77



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mb
			14.7-17.3 MATHESON TILL						
		01	16.2-16.5 very clayey	1	A	140	27.0		50
		02		0	-	61	15.0		-
		03		-	-	15	2.1		
		BEDROCK	17.3-18.8 BEDROCK						
			v. fine grained siliceous rhyolite or dacite brownish grey colour with occasional black layers → layered → tuffs! weakly porphyritic - fspar, qtz eyes abundant v. fine disseminated sulfide (sulfide in black layers more coarse) minor calcite, quartz vein, epidote veinlets	*	04→	10	2.0		
			18.3-18.4 (sample 04) grey thinly laminated host with abundant free quartz vein abundant pyrite in host						
			EOH 18.8						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 30/3 1987 Sondage No: BOB-78 Localisation: site 105

Géologue: JL YB Sondeur: GD Outil: CB68853 Métrage: 68.6-88.0

Poste (heures)

____ à ____ Sondage: 1:00 - 2:45

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 2:45 - 3:00

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		Cu ppb
0			0 - 2.6 ORGANICS						
1									
2			2.6 - 8.2 COCHRANE TILL grey sandy clay locally pebbly						
3									
4									
5									
6									
7									
8			8.2 - 9.8 OJIBWAY II SEDIMENTS pure grey clay, soft						
9									
10			9.8 - 17.9 MATHESON TILL abrupt contact with overlying clays fine sandy silty, light beige grey matrix pebbly ~ 50/50/1						
11		01		0	—	110	16.0		—
12			9.9 - 10.5 porphyritic dark green metavolcanic boulder						
13		02		1	A	505	114.0		311
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-78

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As	W	
14		03	14.7-16.4 sandy till (still pebbly, silty)	0	–	25	17.0		–
16		04		0	–	95	26.0		–
17		05	17.6-17.9 a little hard grey clay in the matrix	2	A	229	23.0	116	742
18		06	17.9-19.4 BEDROCK	–	–	3	<0.5		
19	BEDROCK		v. fine grained reddish brown to brownish grey quartz eye tuff (rhyolite or dacite) well laminated minor v. fine disseminate sulfide, minor quartz veinlets, epidote veinlets occasional greenish coloured fracture surfaces						
			EOH 19.4						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 30/3 19 87 Sondage No: BoB-79 Localisation: site 106

Géologue: JL YB Sondeur: GD Outil: CB68853 Métrage: 88.0-94.5

Poste (heures) _____

_____ à _____ Sondage: 3:00 - 3:45

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 3:45 - 4:00

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
0			0-0.1 ORGANICS						
1			0.1 - 1.4 COCHRANE TILL light brown sandy clay						
2		01		1	A	247	9.0		151
	N/S		1.4 - 5.0 MATHESON TILL	↑	↑				
3		01	fine sandy silty light beige grey matrix pebbly ~ 50/50/1						
4		02	2.0 - 2.4 very clayey till, hard bluish grey clay in the matrix	0	-	33	10.0		-
5		03	2.4 - 2.7 green metavolcanic boulder 2.7 - 3.0 locally clayey till	-	-	<2	<0.5		
6	BEDROCK		3.0 - 3.3 locally very sandy till 4.2 ~10 cm pink granite boulder						
7			5.0 - 6.5 BEDROCK						
8			brownish reddish v. fine grained siliceous quartz eye tuff very minor disseminated sulfide						
9									
10									
11									
12			EOH 6.5						
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 30/3 19 87 Sondage No: BOB-80 Localisation: site 114

Géologue: JL, YB; RSt-J, RM Sondeur: GD, HD Outil: CB68855 Métrage: 0-22.7

Poste (heures)

____ à ____ Sondage: 5:00-6:15 ; 8:00-9:15

TOTAL Problèmes: waiting for water, clean mud tanks 4:00-5:00 ; day shift late start due to problem with helicopter

_____

Contractant (heures) Divers: NEW BIT CB68855

_____ Déplacement sur le site suivant: 9:15-11:00

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0			0 - 3.1 ORGANICS
3			3.1 - 9.9 COCHRANE TILL light grey soft sandy clay a few pebbles
9			9.9 - 18.0 OJIBWAY II SEDIMENTS pure grey clay, soft a few fine sand and pebbly interbeds in lower part

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100 BOB-80

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc ppb
18			18.0-21.2 MATHESON TILL abrupt contact with overlying clays 18.0-19.5 very little return 19.5 end of night shift 19.5 Bit is plugged by light gray sandy clay. (Missinaibi Sds?)	3	A	266	62.6		33
19-21		01							
21-22		02 BRK	19.5-21.2 light gray sandy silty matrix, fragments of sample of slightly contaminated by bedrock.	-	-	28	4.9		
23			21.2-22.7 BEDROCK - Dark green to dark gray - Strong schistosity - brittle - Quartz veins - Pyrite (disseminated?) → Chlorite schist - Metasediment → Metavolcanic - crosscutted by 10 cm dyke?						
24-8			22.7 EOH						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 30Mars 1987 Sondage No: BOB-81 Localisation: relocated Site 78

Géologue: RSt-J, RM Sondeur: H. Durett. Outil: CB 68855 Métrage: 22.7-50.7

Poste (heures) _____

____ à ____ Sondage: 11:00 - 13:00

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 13:00 - 14:00

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
1–14		N/S	0.0 - 2.0 ORGANICS 2.0 - 12.5 COCHRANE TILL Light gray to light beige. soft sandy clay. Pebbles. 12.5 - 26.2 OJIBWAY II SEDS 12.5 - 21.5 Medium gray soft. fine clay.

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-81

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
1–14									
14–27		NS	21.5-26.2 Light gray very fine sand. 26.2-26.4 MATHESON TILL Light gray sandy silty matrix cobbly. 26.4-28.0 BEDROCK - medium brown to medium red colour - Large feldspar porphyroclasts in fine grained red brown matrix. → Dacite ? → metavolcanic. 28.0 EOH						
27–28		01 CRK		–	–	2	<0.5		

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 30 Mars 1987 Sondage No: BOB-82 Localisation: Sit 77

Géologue: RSt-J, RM Sondeur: H. Durth Outil: CB 68855 Métrage: 50.7-74.8

Poste (heures) _____

____ à ____ Sondage: 14:00 - 17:30

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: 18:30 - 19:00 Pull rods.

_____ Déplacement sur le site suivant: 19:00 - 19:15

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	Au	As		
1		N/S	0.0 - 0.1 ORGANICS 0.1 - 3.6 COCHRANE TILL 0.1-1.8 Light beige sandy clayey matrix pebbles. 1.8-3.6 Light beige to light gray sandy silty clayey matrix. Pebbles						
2									
3									
4			3.6-4.0 OJIBWAY II SEDS Light to medium gray sandy clay almost pure clay.						
5		01	4.0 - 22.6 MATHESON TILL	0	-	1140	20.0		-
6		02	4.0 - 10.4 Light gray sandy silty matrix. Pebbles, cobbles Clasts 49/49/2 (MS+MU/GR/LS)	0	-	37	20.0		-
7									
8		03	10.4 - 11.2 Light gray sandy clay matrix	0	-	64	128.0		-
9		04	11.2 - 14.5 Till as above (4.0-10.4)	0	-	53	10.0		-
10									
11		05		0	-	170	22.0		-
12		06		0	-	32	27.0		-
13									
14		07							

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-82

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of FMC (on bedrock) Au	As		
1									
2									
3									
14									
15		07	14.5 - 14.8 Very sandy-clayey till.	3	A	1020	17.0		745
			14.8 - 15.0 Till as above (4.0 - 10.4)						
		N/S	15.0 - 15.4 Dacite ? boulder.						
16		07	15.4 - 16.8 very sandy-clayey till matrix. Pebbles. Clasts: 50/50						
17		N/S	16.8 - 17.5 Metavolcanic boulder.						
			17.5 - 18.2 Light gray very sandy very clayey matrix till						
18		08		0	-	65	18.0		-
		N/S	18.2 - 18.4 Light gray, sandy silty matrix clasts: 75/25/2.						
19		09		0	-	130	8.7		-
		10	18.4 - 18.6 Metavolcanic boulder.	0	-	26	14.0		-
20			18.6 - 20.0 Light gray sandy clay till matrix. 15% Pebbles Clasts 57/40/3						
21		11		0	-	100	21.0		-
			20.0 - 20.3 Boulders.						
			20.3 - 22.6 clayey till as above (18.6-20.0)						
22		12		0	-	16	24.0		-
			22.6 - 24.1 BEDROCK.						
23		13	- Medium greenish gray to medium gray brown to medium olive green.	-	-	8	4.5		
24		GR-	- some very magnetic black grains (no crystaline forms)						
5			- some carbonates						
6			- Quartz veins						
			=> Tuff.						
7			24.1 EOH						
8									

Note: only 12 samples marked on log, but 13 samples sent to labs, #13 is bedrock, position of #12 not exactly known.

(Doc. #0050U-A)

COGEMA CANADA LIMITEE

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 30/3 1987 Sondage No: BoB-83 Localisation: site 76

Géologue: JL YB Sondeur: GD Outil: CB68855 Métrage: 74.8-87.1

Poste (heures)

____ à ____ Sondage: 19:15 - 20:30

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 20:30 - 20:45

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dcm type	analyses Lithic (or bedrock) Au	Au		
0			0-2.8 ORGANICS						
1									
2			2.8 - 6.9 COCHRANE TILL/SEDIMENTS pure clay at top of section followed quickly by grey, soft, sandy clay						
3									
4			4.3 - 5.0 sandy, pebbly till						
5									
6									
7			6.9 - 10.2 OJIBWAY II SEDIMENTS pure grey clay, minor fine sand interbeds						
8									
9			10.2 - 10.8 MATHESON TILL abrupt contact with overlying clays fine sandy silty matrix, light beige grey pebbly 50/50/1						
10		01		0	-	234	29.0		-
11		02 BEDROCK	10.8 - 12.3 BEDROCK brown, v. fine grained dacitic quartz eye tuff well defined foliation minor calcite, quartz vein 11.8 sand and clay filled fracture in bedrock water coming in to drill	-	-	<2	0.7		
12									
13									
14									

COGEMA CANADA LIMITEE (Doc. #0050U)

EOH 12.3

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 30/3 1987 Sondage No: BOB-84 Localisation: site 75

Géologue: JL YB Sondeur: GD Outil: CB68855 Métrage: 87.1-109.2

Poste (heures) _____

_____ à _____ Sondage: 20:45 - 23:45

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: clean mud tanks

_____ Déplacement sur le site suivant: 23:45 - 0:00

ECHELLE: 1:100 Page 1 de 2

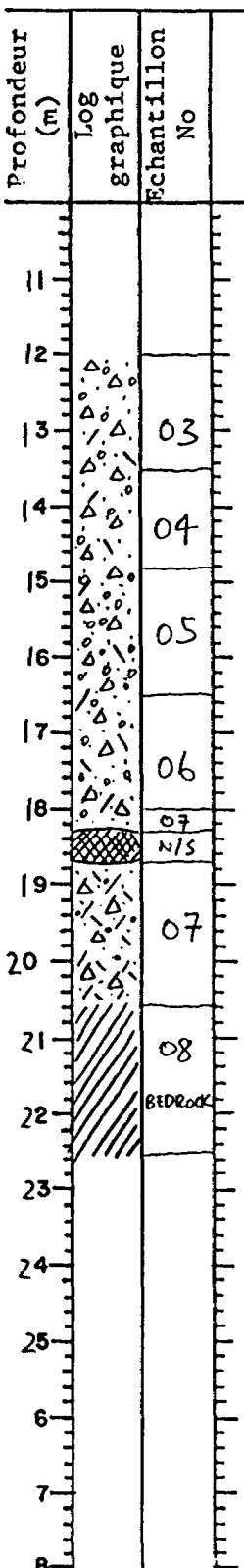
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		Mg
0			0 - 3.3 ORGANICS						
3			3.3 - 6.3 COCHRANE TILL/SEDIMENTS pure grey clay followed quickly by sandy clay, a few pebbles						
6			6.3 - 8.5 OJIBWAY II SEDIMENTS pure grey clay, soft						
9		01	8.5 - 20.6 MATHESON TILL abrupt contact with overlying clays fine sandy silty matrix, light beige grey pebbly ~ 50/50/3	0	-	130	22.0		80.?
11		02		1	A	120	31.0		84
12									
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-84



DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Au
13.0 - 18.3 a little hard, grey, sandy clay in the matrix	0	-	51	20.0		340?
14.8 - 16.5 cobbly, more metasediment and metavolcanic clasts than above and below eg ~ 70/30 (MS, MV/GR)	1	A	40	26.0		197
	1	A	130	30.0		270
	0	-	42	41.0		-
18.3 - 18.7 green metavolcanic boulder qtz-carbonate stockwork and sulfide	↓	↓				
18.7 - 20.0 very clayey matrix						
20.0 - 20.6 sandy clay matrix, few pebbles	0	-	110	42.0		-
20.6 - 22.5 BEDROCK						
fine grained thinly laminated medium to dark grey ash fall tuff	-	-	17	0.8		
fine disseminated sulfide, minor calcite, minor quartz veinlet						
22.0 - 22.5 interbeds of light greenish very fine grained thinly laminated siliceous tuff						
EOH 22.5						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 31/3 19 87 Sondage No: BOB-85 Localisation: site 74

Géologue: JL YB Sondeur: GD Outil: CB68854 Métrage: 0-29.1

Poste (heures)

____ à ____ Sondage: 0:00 - 4:00

TOTAL Problèmes: 4:00 - 5:00 engine stalled, engine using too much oil, try to restart machine

Contractant (heures) Divers: NEW BIT CB68854

_____ Déplacement sur le site suivant: 5:00 - 6:15

ECHELLE: 1:100 Page 1 de 3

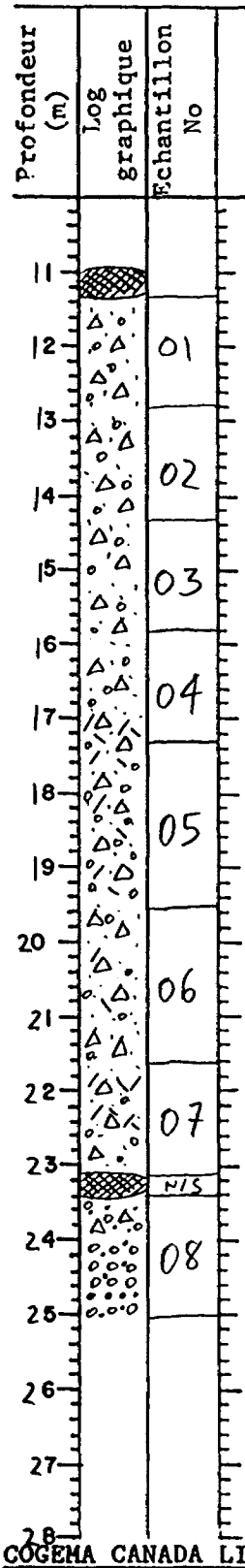
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0			0 - 3.0 ORGANICS
3			3.0 - 7.4 COCHRANE TILL grey sandy clay, soft
7			7.4 - 11.0 OJIBWAY II SEDIMENTS pure grey clay, soft 10.5 - 11.0 interbedded fine sands and pebbles

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-85



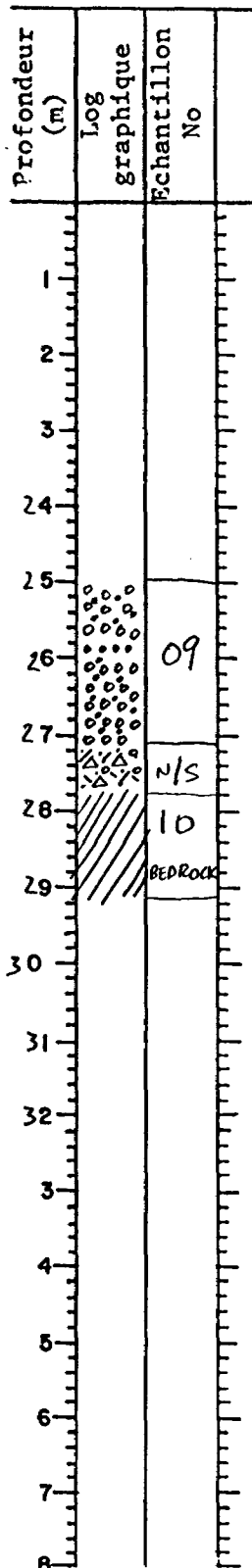
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dcm type	analysis of HMC (or bedrock) Au	As		
11			11.0 - 27.8 MATHESON TILL 11.0 - 11.3 pink granite boulder 11.3 - 24.0 fine sandy silty matrix, light beige grey not as pebbly as usual clasts ~ 60/40/1 (MS,MV/GR/LS) the till may be clayey, (hard, compact sandy grey clay in the matrix) and is quite cobbly from 17.7 - 19.4						
12		01		0	-	160	24.0		-
13		02		0	-	84	21.0		423?
14									
15		03		1	A	618	15.0		365
16		04		1	A	45	17.0		37
17									
18		05		4	A	258	45.0		339
19									
20		06		0	-	160	63.4		-
21									
22		07		1	I	474	54.7		339
23		MTS	23.1 - 23.4 pink granite boulder						
24		08	24.0 - 27.1 sandy gravels with a few interbeds of coarse sand slow, difficult drilling, very high return	1	A	59	34.0		276
25									
26									
27									
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-85



DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As	W	
27.1-27.8 clayey till, but very low return 27.1-27.5 driller moving rods up and down contaminating sample with sand and gravel from above (difficult drilling, high torque, rods stop turning all the time)	0	—	160	78.5	178	—
	—	—	10	1.4		
27.8 - 29.1 BEDROCK light green v. fine grained siliceous tuff thinly laminated a few feldspar phenocrysts very minor calcite very minor v. finely disseminated sulfide some contamination from above due to caving in around rods						
EOH 29.1						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 31 Mars 1987 Sondage No: BOB-86 Localisation: Sit 98

Géologue: RSt-J, RM Sondeur: H. Durett Outil: CB 68854 Métrage: 29.1 - 50.6

Poste (heures) 07:00 - 08:45

____ à ____ Sondage: ____

TOTAL Problèmes: ____

____ ____

Contractant (heures) Divers: ____

____ Déplacement sur le site suivant: 08:45 - 09:00

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
1			0.0 - 1.3 ORGANICS						
2			1.3 - 8.5 COCHRANE TILL - Light beige sandy clayey matrix pebbles.						
3			8.5 - 12.5 OJIBWAY II SEDS. - Medium gray soft fine clay.						
4			12.5 - 20.0 MATHESON TILL						
5			12.5 - 18.0 much return.						
6			12.5-18.5 Light gray to light beige sandy matrix 85% Pebbles						
7		N/S	clasts: 50/47/3 (MS+MV/GR/CS)						
8									
9			18.5-20.0 Light gray sandy matrix. 90% Pebbles (cobbles)						
10			clasts: 70/27/3						
11									
12									
13		01		1	A	61	32.0		455
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-86

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
1									
2									
3									
14									
15	Δ	01	19.5 - 20.0 Dark green coating on pebbles ! chlorite?						
16	Δ	02		0	–	355	26.0		–
			20.0 - 21.5 BEDROCK						
17	Δ	03	- Dark brown to dark gray color.	0	–	28	22.0		–
18	Δ		- fine grain.						
19	Δ	04	- some quartz veins.	1	A	305	51.2		346
	Δ	05	- siliceous	4	A	3300	46.0		2749
20		06	- carbonates (HCl test +)	–	–	<2	<0.5		
21		ERK	- strong foliation						
22			- some brecciation.						
			→ Metavolcanic ?						
23			21.5 EOH						
24									
25									
26									
27									
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 31 Mars 1981 Sondage No: BOB-87 Localisation: Site 97.

Géologue: RSt-J, RM. Sondeur: H. Duett Outil: CB 68854 Métrage: 50.6 - 70.4

Poste (heures) _____

_____ à _____ Sondage: 09:00 - 10:45

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 10:45 - 11:00

ECHELLE: 1:100 Page 1 de 2

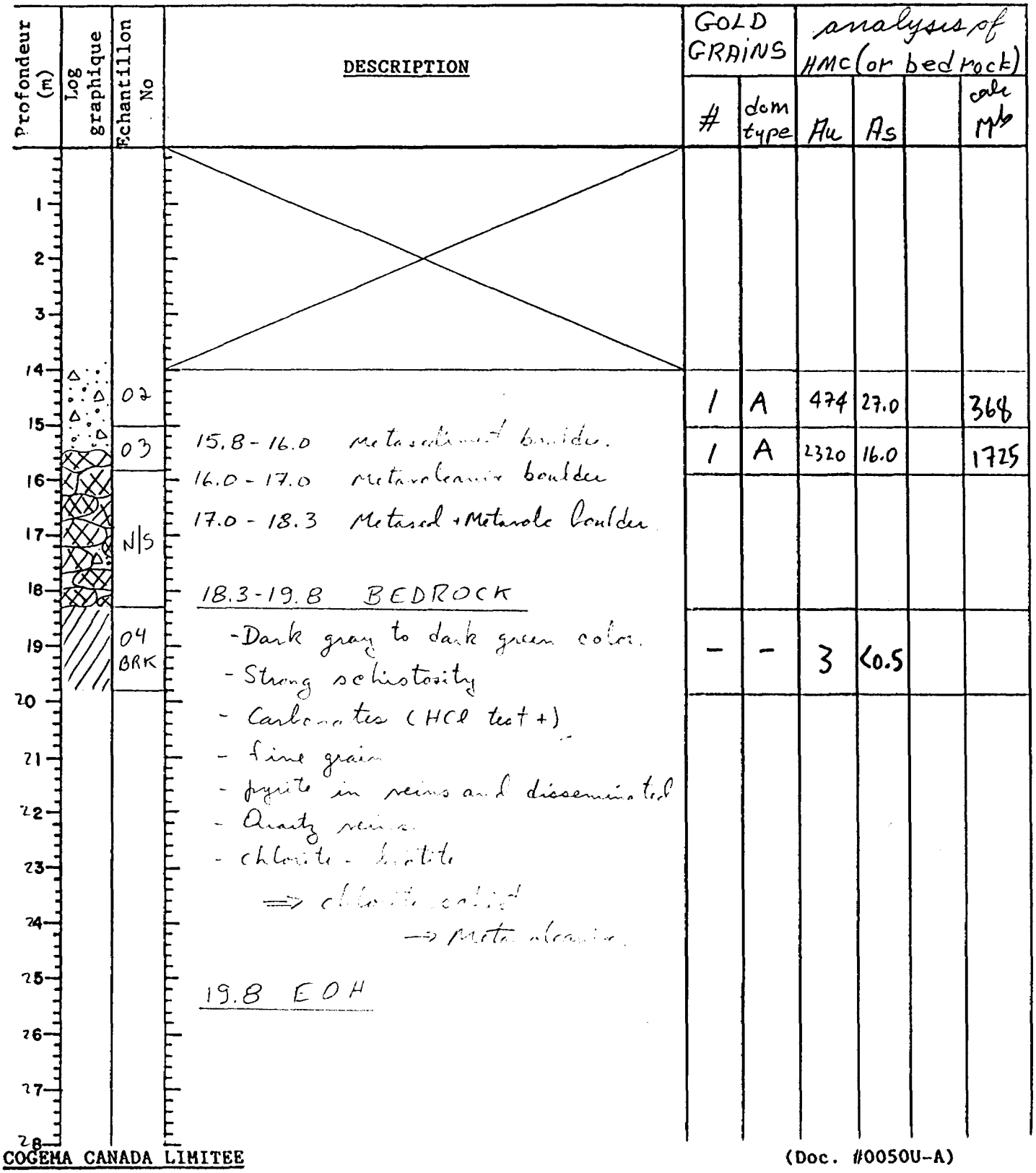
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
1			0.0 - 2.0 ORGANICS						
			2.0 - 5.5 COCHRANE TILL						
			Light beige sandy clay matrix, pebbles						
2			5.5 - 11.0 OJIBWAY II SEDS.						
			5.5-9.5 Medium gray fine soft clay.						
3			9.5 - 13.0 No sample returned. full rods to check.						
4									
5									
6			11.0 - 18.3 MATHESON TILL						
			Light gray sandy silty matrix, cobbles pebbles 70/27/3						
7									
8			15.5 - 18.3 very cobbly and bouldery till.						
9									
10		N/S							
11									
12		01		0	-	<8	19.0		-
13									
14		02							

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-87



GOLD GRAINS		analysis of HMC (or bedrock)			
#	dom type	Au	As		calc Mb
1	A	474	27.0		368
1	A	2320	16.0		1725
-	-	3	<0.5		

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 31 Mars 1987 Sondage No: BOB 88 Localisation: Site 96

Géologue: RSt-J, RM. Sondeur: H Dumont Outil: CB 68854 Métrage: 70.4-92.5

Poste (heures) 11:00-13:30

____ à ____ Sondage: ____

TOTAL Problèmes: ____

____ ____

Contractant (heures) Divers: ____

____ Déplacement sur le site suivant: 13:30-13:45

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
1			0.0 - 1.4 ORGANICS						
			1.4 - 4.0 COCHRANE TILL						
2			Light beige sandy clayey matrix pebbles.						
3			4.0 - 8.5 OJIBWAY II SEDS						
			Medium gray fine soft clay.						
4									
		N/S	8.5 - 20.6 MATHESON TILL						
5									
			8.5-9.2 Light gray sandy silty matrix. Pebbles. Clasts 65/33/2						
6									
7			9.2-9.7 Granite boulder						
			9.7-10.5 Till [illegible] (9.2-9.7)						
8									
			10.5-16.1 Light gray sandy clay matrix						
9		01		4	A	70	26.0		608
10		N/S							
11									
		02		3	A	446	21.0		226
12		low return							
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-88

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
1									
2									
3									
14									
15		03 low return	16.1-16.3 Light gray sandy silty clayey till 16.3-17.0 White and pink granite boulder	4	A	455	26.0		396
16		N/S	17.0-18.5 Till as above (16.1-16.3)						
17		04	18.5-18.7 White granite boulder. 18.7-18.9 Light gray slightly sandy hard clay (almost fine). Some pebbles and granules. (OSIBWAY I raft?)	0	–	46	63.8		–
18		N/S							
19		05		0	–	47	24.0		–
20		06	18.9-20.5 Till as above (8.5-9.2)	0	–	47	86.9		–
21		07 BRK	20.5-20.6 Cobbly till.	–	–	4	11.0		
22			20.6-22.1 BEDROCK - Medium to dark gray - very fine grain - much pyrite - strong schistosity / foliation → Mudstone ? → Metasediment						
23									
24									
25									
26									
27			22.1 EOH						
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 31 Mars 1987 Sondage No: BOB-89 Localisation: Site 95

Géologue: RSt-J, RM Sondeur: H. Durett Outil: CB 68856 Métrage: 0-25.5

Poste (heures) _____

____ à ____ Sondage: 13:45 - 17:45

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: New bit # CB68856 new sub.

_____ Déplacement sur le site suivant: 17:45 - 18:00

ECHELLE: 1:100 Page 1 de 2

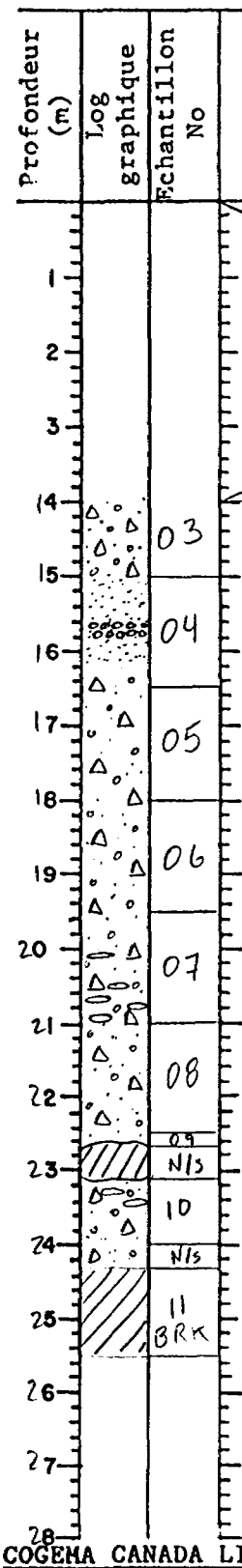
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bed rock) Au	As		
0			0.0-1.3 ORGANICS						
1			1.3-4.7 COCHRANE TILL						
2			Light gray sandy clayey matrix Pebbles.						
3			4.7-9.6 OJIBWAY II SEDS.						
4			Medium gray soft fine clay.						
5			9.6-15.0 MATHESON TILL						
6		N/S	9.6-12.0 Light gray sandy matrix Pebbles. Clasts: 70/28/2						
7			12.0-13.5 Light gray sandy silty clayey matrix						
8			13.5-15.0 very sandy till clasts: 50/47/3						
9			15.0-16.2 MISSINAIBI SEDS.						
10		01	15.0-16.2 very fine sand and gravel ??	0	-	<11	29.0		-
11			16.2-24.3 LOWER TILL						
12		02	16.2-20.1 Light gray sandy silty matrix Pebbles.	2	A	77	19.0		65
13									
14		03							

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

BOB-89

ECHELLE: 1:100



DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
20.1 - 20.2. Very cobbly Till	0	-	25	7.0		-
20.2 - 20.4 Light gray very fine sand.						
20.4 - 21.0 Cobbly Till	3	A	337	11.0		640
21.0 - 22.0 Pebbly till						
22.0 - 22.7 Very pebbly - almost gravel.						
22.7 - 23.1 Pink granite boulder	1	A	<11	5.1		47
23.1 - 23.4 Cobbly Till						
23.4 - 24.3 Light gray sandy matrix 95% Pebbles 75/23/2	1	A	73	7.2		55
24.3 - 25.5 BEDROCK	1	I	1340	5.7		1698
- Dark green (chlor) to dark gray color.						
- Strong schistosity	0	-	<8	4.9		-
- very fine grain						
- disseminated pyrite.	~~0~~	~~-~~	~~2500~~	~~436~~		~~-~~
=> Chlorite schist	0	-	249	11.0		-
-> Metavolcanic						
- Some contamination from above.	-	-	3	2.4		
- Artesian well.						
25.5 EOH						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 1/4 1987 Sondage No: BoB-90 Localisation: site 94

Géologue: JL YB Sondeur: HD Outil: CB68856 Métrage: 25.5-56.5

Poste (heures)

____ à ____ Sondage: 7:00-12:00

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 12:00-12:15

ECHELLE: 1:100 Page 1 de 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As	W/Cu	calc Mb
			0-1.6 COCHRANE TILL						
			1.6-12.3 MATHESON TILL						
		01	fine sandy silty matrix, light beige grey pebbly ~ 50/50/2	0	-	494	<5.3		-
		02		1	A	1600	<5.0		2332
		03	5.3-5.5 very cobbly, little matrix mostly rock flour	0	-	150	10.0		-
		NIS	5.5-5.8 white granite boulder	↑	↑	↑	↑		
		03							
		04	6.8 very minor hard platy clay	0	-	<11	19.0		-
		NIS	7.5-7.7 rods going up and down, sample contaminated						
		05		1	A	72	13.0	109	10
		06	9.9-10.0 white granite boulder	1	A	51	12.0		19
		07	11.1-11.7 matrix a bit clayey	0	-	130	15.0	800	-

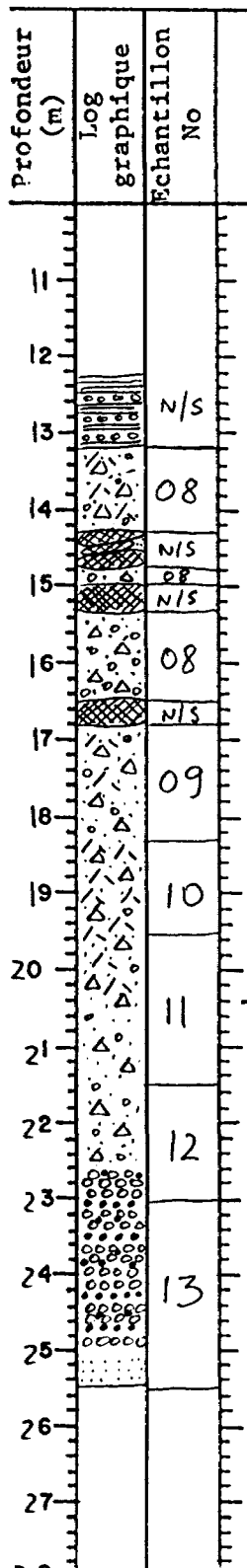
COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-90



DESCRIPTION

12.3 - 13.2 MISSINAIBI SEDIMENTS
(OJIBWAY I clays)
pure, hard, compact grey clay with a few pebbly interbeds

13.2 - 22.5 LOWER TILL
mostly clayey, fine sandy silty matrix
light beige grey to greyish
pebbly, locally cobbly ~ 70/30 (MS,MV/GR)
14.3 - 14.8 metasediment, then two metavolcanic boulders
15.0 - 15.3 green metagabbro boulder (like Trench 2)
16.5 - 16.8 green metagabbro boulder (like Trench 2)

20.4 - 21.0 sample in #1 bucket mistakenly thrown out by technician, #2 bucket sampled

22.5 - 28.3 MISSINAIBI SEDIMENTS
interbedded sands and gravels
gravels are mostly sandy, but some are clean with no matrix
clast composition in gravel ~ 50/50/3
sands may be fine, medium, coarse
in fine sands there are occasional thin beds of hard, platy, pure clay (light grey colour)
sands are light brown

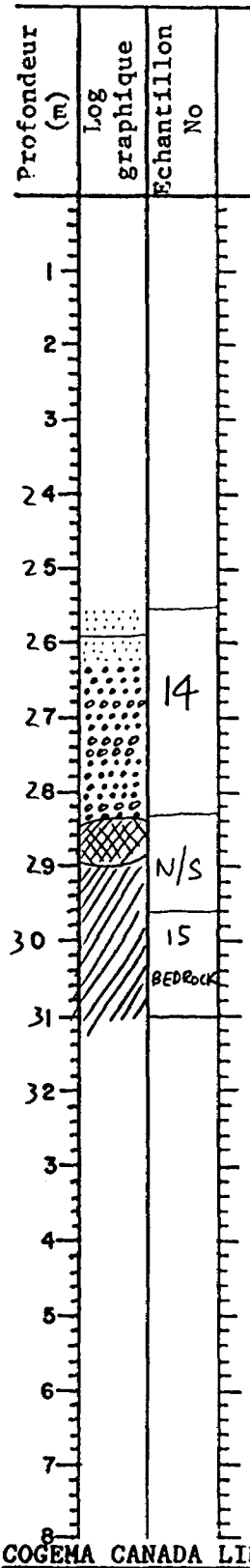
GOLD GRAINS		analyses of HMC (or bedrock)			
#	dom type	Au	As		
0	–	200	10.0		–
0	–	214	16.0		–
0	–	83	13.0		–
0	–	539	7.5		–
1	A	204	16.0		142
0	–	233	10.0		–

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-90



DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dcm type	analyses of HMC (or bedrock) Au	As		
	0	—	19	23.0		—
28.3 - 31.0 BEDROCK						
28.3 - 29.6 much contamination from above, may be rubbly bedrock or boulder lying on bedrock						
	—	—	3	2.1		
→ light green fine to medium grained granular rock with well defined foliation, oxidation on most foliation planes						
→ much of bedrock drills to green rock flour clay, few chips						
→ could be sheared metagabbro as at trench 2						
minor calcite						
29.9 - abundant quartz vein with the host rock						
EOH 31.0						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 1/4 1987 Sondage No: BOB-91 Localisation: site 93

Géologue: JL YB Sondeur: HD Outil: CB68857 Métrage: 0-22.4

Poste (heures)

____ à ____ Sondage: 12:15-15:15

TOTAL Problèmes:

Contractant (heures) Divers: NEW BIT CB68857

Déplacement sur le site suivant: 15:15-15:30

ECHELLE: 1:100

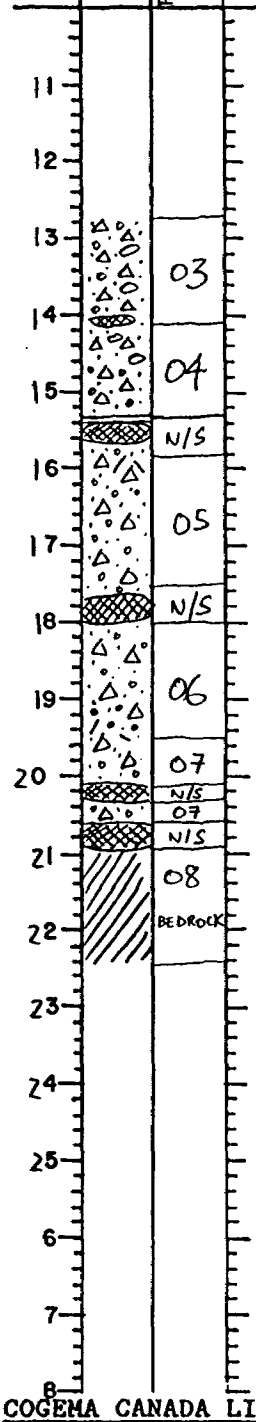
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		cobble Mb
0			0-0.3 ORGANICS						
1			0.3-5.8 COCHRANE TILL dark brown, then light brown, then grey, sandy clay						
2									
3									
4									
5			5.8-10.5 OJIBWAY II SEDIMENTS						
6			5.8-7.5 pure soft grey clay						
7			7.5-10.5 interbedded pure clay and sand and gravel						
8									
9									
10		01	10.5-15.3 MATHESON TILL fine sandy silty light beige grey matrix pebbly, cobbly ~50/50/2	0	-	<9	31.0		-
11			12.7-15.3 very cobbly						
12		02		0	-	160	24.0		-
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-91



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dcm type	analysis of HMC (or bedrock) Au	As	W	
		03	14.1 ~5cm lineated metagabbro boulder	0	–	66	19.0		–
		04	15.3-15.4 MISSINAIBI SEDIMENTS (OJIBWAY I clays) hard, compact pure grey clay	1	A	130	11.0		43
		N/S							
		05	15.4-20.9 LOWER TILL 15.4-15.6 pink granite boulder → fine sandy silty, locally clayey matrix light beige grey colour pebbly, locally cobbly ~ 50/50/3	0	–	110	11.0	111	–
		N/S							
		06		1	I	140	43.0		56
		07	17.7-18.0 lineated metagabbro boulder 20.1-20.3 green metavolcanic boulder	0	–	57	27.0		–
		N/S		↑	↑	↑	↑		
		07	20.6-20.9 coarse green metagabbro boulder						
		N/S							
		08	20.9-22.4 BEDROCK black fine to med. grained granular metavolcanic mostly well laminated, might be lineated 21.4-21.6 green rock flour clay	–	–	<2	0.6		
		BEDROCK							

EOH 22.4

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 1/4 19 87 Sondage No: BoB-92 Localisation: site 92

Géologue: JL YB Sondeur: HD Outil: CB68857 Métrage: 22.5-32.1

Poste (heures)

____ à ____ Sondage: 15:30 - 16:45

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 16:45 - 17:00

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		calc Mpb
0			0 - 1.4 ORGANICS						
1			1.4 - 2.9 COCHRANE TILL light brown sandy clay turns grey a little harder than usual, not soft clay minor interbed fine sand						
2									
3			2.9 - 3.3 OJIBWAY II SEDIMENTS grey pure clay, a little harder than usual						
4		01	3.3 - 8.1 MATHESON TILL	1	A	170	16.0		50
		N/S	abrupt contact with overlying clays	↑	↑	↑	↑		
5		01	fine sandy, silty matrix, light beige grey pebbly, cobbly ~50/50/1						
6		02	4.0 - 4.2 brown granite boulder 7.5 - 8.1 a little clay in the matrix	0	-	51	19.0		-
7									
8		03	8.1 - 9.6 BEDROCK	0	-	48	20.0		-
		04 BEDROCK	black to grey to green medium to fine grained metavolcanic or metaintrusive (gabbro) massive, no laminations except where there are quartz veinlets minor calcite	-	-	4	1.2		
9			9.1 - 9.4 abundant quartz-carbonate-pyrite veinlets (carbonate is brownish) massive pyrite veinlets up to 5mm pyrite 2-5%						
10									
11									
12									
13			EOH 9.6						
14									

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 1-2/4 1987 Sondage No: BOB-93 Localisation: site 91

Géologue: JL YB Sondeur: HD Outil: CB68857 Métrage: 32.1-51.3

Poste (heures)

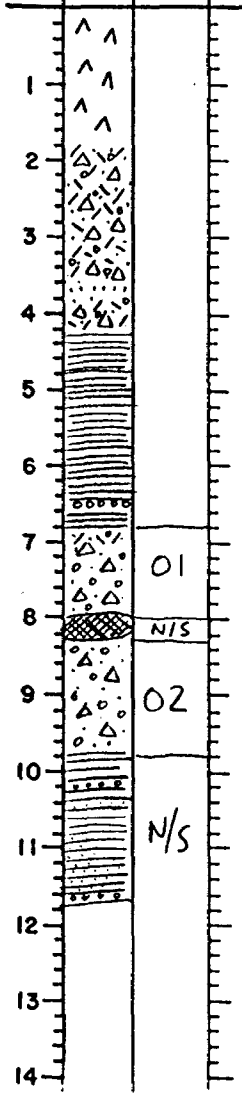
____ à ____ Sondage: 17:00-18:30 7:00-10:00

TOTAL Problèmes: 10:00-13:30 broke off rods when pulling (tight hole) had to fish for rods, 2 rods no longer usable

Contractant (heures) Divers: 2 RODS

Déplacement sur le site suivant: 13:30-13:45

ECHELLE: 1:100 Page 1 de 2



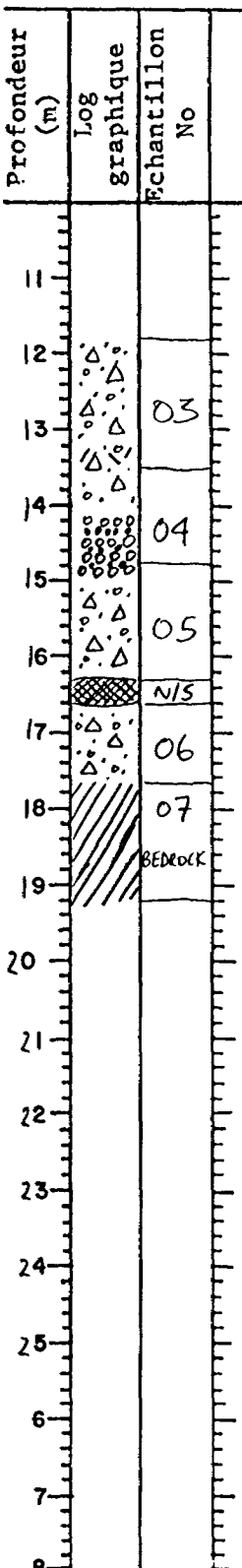
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
			0-1.8 ORGANICS						
			1.8-4.3 COCHRANE TILL light grey soft sandy clay sandy pebbly interbed						
			4.3-6.8 OJIBWAY II SEDIMENTS pure soft grey clay pebbly interbed						
			6.8-9.8 MATHESON TILL fine sandy silty light beige grey matrix pebbly ~50/50/1 6.8-7.3 clayey matrix 8.0-8.3 fractured quartz boulder	1	A	<8	16.0		487
		01							
		N/S							
		02	9.8-11.8 MISSINAIBI SEDIMENTS (OJIBWAY I clays) 9.8-10.8 hard compact pure grey clay a few sandy and pebbly interbeds 10.8-11.8 silty clay, impure, a few pebbly interbeds	1	A	1050	31.0		1796
		N/S							

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-93



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analysis of HMC (or bedrock) Au	As		
11			11.8 - 17.7 LOWER TILL						
12			fine sandy silty matrix, pebbly and cobbly ~50/50						
13		03	locally very small amounts of clayey matrix	0	–	<8	4.9		–
14		04	commonly cobbly, or sandy till probably some sorted sandy gravels below 14.0	7	(2-I) A	1110	7.4		1092
15		05	1/4 stop at 13.5m 2/4 start at 13.5m	1	A	381	10.0		187
16		N/S	16.0 pull rods to check bit, slightly plugged with sand, cores not turning						
17		06	16.3 - 16.6 green metavolcanic boulder	3	A	931	8.6		1102
18		07	17.7 - 19.2 BEDROCK						
19		BEDROCK	foliated dark green granular sheared metagabbro	–	–	5	<0.5		
			after ~17.9 drills to green rock flour clay						
20									
21									
22									
23									
24			EOH 19.2						
25									
6									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 2/4 1987 Sondage No: BOB-94 Localisation: site 90

Géologue: JL YB Sondeur: HD Outil: CB68858 Métrage: 0-16.9

Poste (heures)

____ à ____ Sondage: 13:45 - 16:30

TOTAL Problèmes:

Contractant (heures) Divers: NEW BIT CB68858

Déplacement sur le site suivant: 16:30 - 16:45

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	dom type	analyses of HMC (or bedrock) Au	As		
0			0-1.4 ORGANICS						
1			1.4-3.8 COCHRANE TILL grey sandy clay						
2			2.8-4.5 no return, bit plugged with clay, drilled pushed bit fast to clean bit, felt bump at 3.8m (pulled rods at 4.5 to clean bit)						
3									
4			3.8 - 15.4 MATHESON TILL						
5		01	fine sandy silty grey beige matrix pebbly, cobbly ~ 50/50/2	0	-	140	22.0		-
6		N/S	5.6-6.0 lineated metagabbro boulder						
7		02		1	A	120	22.0		1879
8		03		1	A	140	16.0		79
9									
10		04		0	-	23	19.0		-
11		05	11.0 a little clay in the matrix	0	-	170	11.0		-
12									
13		06		0	-	<9	12.0		-
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-94

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
14		07	14.1-14.3 fine sandy section 14.5 ~5cm pink granite boulder	3	I	1100	5.9		360
15			15.4-16.9 BEDROCK						
16		08 BEDROCK	fine grained dark green metagabbro 15.7-15.8 abundant quartz-calcite veining 16.2 additional quartz-calcite veining	-	-	5	0.7		
17									

EOH 16.9

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 2/4 19 87 Sondage No: BoB-95 Localisation: site 89

Géologue: JL YB Sondeur: HD Outil: CB68858 Métrage: 16.9-33.9

Poste (heures) _____

_____ à _____ Sondage: 16:45-19:00

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: to CAMP 19:00-20:00

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses HMC (or bedrock) Au	As		
1			0-0.3 ORGANICS						
			0.3-10.0 COCHRANE TILL						
			light brown sandy clay turns quickly to fine sandy and bouldery till						
			very minor sandy brown clay only locally present down to 10.0m						
4		01	most of section is sands and gravels → only very locally derived and very marginally reworked OJIBWAY II SEDIMENTS	0	–	170	<3.9		–
6		02	always pebbly, fines present but not abundant.	1	A	110	<3.0		490
7		N/S	clast composition ~ 60/30/10 (GR/MS,MV/LS)						
8			2.2-2.3 white granite boulder						
9		03	2.3-2.5 pink granite boulder	1	A	46	<3.1		152
10			2.6-2.7 pink granite boulder						
			7.8-7.9 pink granite boulder						
11			10.0-15.5 OJIBWAY II SEDIMENTS						
		04	glaciofluvial member – esker	1	A	<9	12.0		11
12			sandy gravels, not clearly interbedded						
			pebbly, cobbly ~ 70/20/10 (GR/MS,MV/LS)						
13			contact arbitrarily placed just below last observed sandy brown clay						
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-95

Page 2 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	GOLD GRAINS #	GOLD GRAINS dom type	analyses of HMC (or bedrock) Au	As		
11									
12									
13		OS	14.5-14.8 green metavolcanic boulder 14.8-15.2 bedrock boulder 15.2-15.5 burst of sand, then bedrock	1	A	9/30	3.7		7576
14									
15		N/S	Note: This is an esker, there is no surface relief due to erosion/reworking by the Cochrane Till.						
16		06		-	-	3	0.6		
17		BEDROCK	15.5-17.0 BEDROCK fine grained dark green metagabbro minor quartz-calcite veinlets						
18									
19									
20									
21									
22			EOH 17.0						
23									
4									
5									
6									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 20/6 1987 Sondage No: BOB-96 Localisation: site 46

Géologue: JL/AM/RM Sondeur: WAYNE GOODYEAR Outil: CB69076 / CB69094 Métrage: 0-28.2 / 0-5.0

Poste (heures)

____ à ____ Sondage: 10h 15 - 13h 13h 45 - 15h

TOTAL Problèmes: 13h - 13h45 pulling rods to change bit

Contractant (heures) Divers: NEW BIT CB69076, NEW BIT SUB, NEW BIT CB69094

Déplacement sur le site suivant: 15h - 15h30

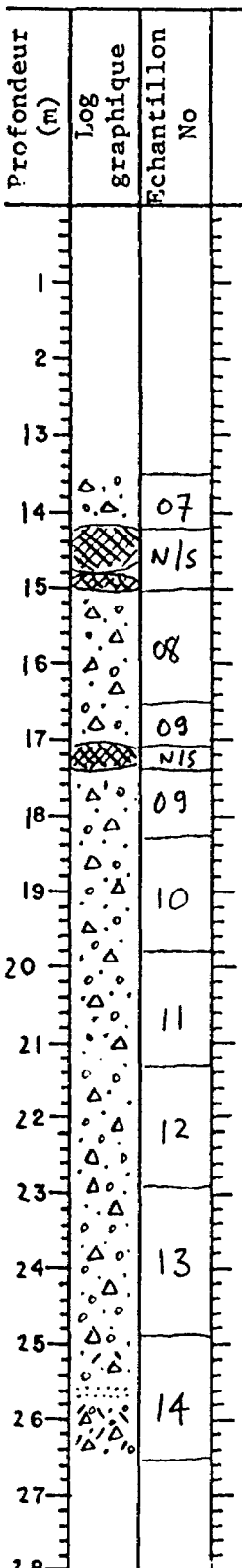
ECHELLE: 1:100 Page 1 de 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom. type	analysis of HMC (overburden) Au	As		calc ppb
			0 - 1.7 COCHRANE TILL lt brown sandy clay fairly compact						
		01	1.7 - 31.2 MATHESON TILL top 50cm somewhat clayey (Cochrane Till?) fine sandy silty light grey matrix pebbly, cobbly ~ 40/60 (MS, MV/GR)	3	A	440	<3.9		63
		N/S							
		02							
		N/S	3.3 - 3.5 dk grey MS bldr 3.7 - 4.0 lt green MV bldr 4.4 - 4.9 pink GR bldr 5.2 - 5.5 black MS bldr						
		02	Note: sample 02 slightly contaminated by ~ 5cm black MS cobble ~ 6.8	1	A	62	<4.4		15
		03		0	-	<13	<3.8		-
		04	by ~ 12m pebbles ~ 50/50/1 (MS, MV/GR/LS)	1	A	66	<4.2		8
		05		1	A	150	<4.3		33
		06		1	A	50	<4.1		10

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100 BOB-96 Page 2 de 3

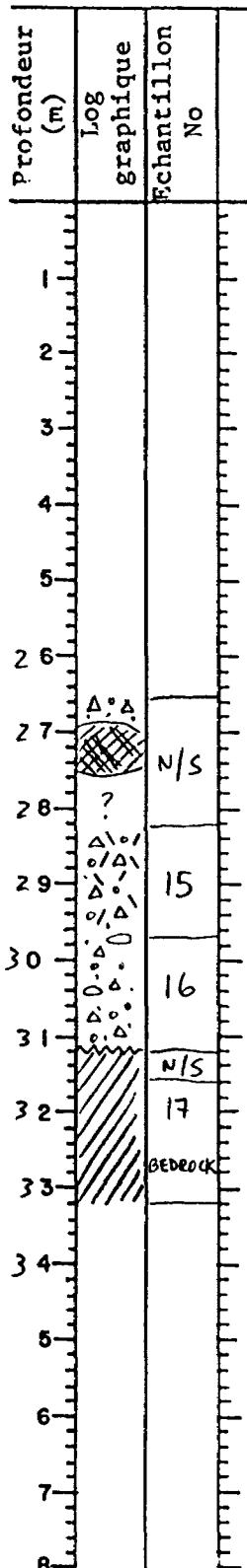


DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As		
14.2 - 14.8 wh GR bldr 14.8 - 15.0 black MS bldr 17.1 - 17.4 wh GR bldr	1	A	<13	<4.0		22
	1	A	265	<3.4		206
by ~17.0m pebbles are ~70/30 (MS,MV/GR)	0	-	120	14.0		-
	0	-	87	16.0		-
	0	-	57	14.0		-
	2	A	64	23.0		439
25.0 - 30.0 locally clayey till (light grey, compact sandy till in matrix) ~25.6 ~10cm fine sand	5	A	234	12.0		186
	4	A	87	18.0		134

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100 BOB-96



DESCRIPTION

26.9 - 27.5 black MS bldr

27.5 - 28.2 no return, bit pulled, plugged with clay and one cone new bit put in hole

~30m MS cobbles

pebbles now 90/10/1 (MS, MV/QR/LS)

31.2 - 33.2 BEDROCK

31.2 - 31.6 fine sand (bedrock?) and 100% black MS chips altered bedrock?

31.6 - 33.2 F. gr. lt to med grey tuff (or metased?)
minor sulfide (py)
minor disseminated calcite
minor chloritic fracture surfaces

31.8 - 32.0 minor qtz veins

~32.8 minor qtz veins

EOH 33.2

Au grains		analyses of HMC (or bedrock)			
#	dom type	Au	As		
0	-	100	19.0		-
1	A	42	22.0		9
-	-				

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 20/06 19 27 **Sondage No:** BOB 97 **Localisation:** Site 49

Géologue: AM/JL/RM **Sondeur:** W Goodyear **Outil:** CB 62094 **Métrage:** 50-307

Poste (heures) _____

_____ à _____ **Sondage:** 15:20 - 17:45

TOTAL **Problèmes:** _____

_____ _____

Contractant (heures) **Divers:** _____

_____ **Déplacement sur le site suivant:** 17:45 - 18:15

ECHELLE: 1:100 **Page** 1 **de** 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As		calc Mg
1		N/S	0 - 0.5 Organics 0.5-1.5 COCHRANE TILL light brown clayed matrix with few pebbles.						
2		01	1.5-24.2 MATHESON TILL Light grey to grey fine sandy matrix - blocky - Very pebbly 10 /90 MV-MS/G	0	-	<14	<4.6		-
3									
4		02		0	-	110	<4.4		-
5		03		0	-	97	<4.1		-
6			6.0-12 light grey to beige fine sandy matrix less pebbly 25 /75 /1 MV-MS/G/V						
7		04		0	-	130	<4.1		-
8		05		3	A	492	<4.7		535
9									
10		06		0	-	79	<5.0		-
11		07		0	-	46	16.0		-
12			12.0-18 matrix clean 40/60/2						
13		08		0	-	45	14.0		-
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB 97

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As		
1									
2									
3									
14		09	18-21 matrix idem) 60/40/1 MV-MS/G/W	0	–	<23	18.0		–
15									
16		10		0	–	120	22.0		–
17		11	21-24.2 matrix idem 70/30/1	1	A	180	20.0		396
18									
19		12	* Sample 16 does not exist (this sample was only 20 cm long and was mixed with sample #15)	0	–	<16	19.0		–
20		13		0	–	33	143.0		–
21									
22		14		6	A	90	21.0		89
23		15		4	A	32	14.0		26
24		*	24.2-25.7 Bedrock						
25		17 BEDROCK	Medium/dark green, fine grained foliated(?) metavolcanics (Tuff ?) No sulphide No quartz veins No reaction with HCl Sample is very homogeneous.	–	–				
26									
7									
8									

COGEMA CANADA LIMITEE

(Doc. #0050U-A)

EOH 25.7

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 21/6 19 87 Sondage No: BOB-98 Localisation: site 61

Géologue: JL/AM/RM Sondeur: W G Outil: CB69094 Métrage: 30.7 - 54.7

Poste (heures)

____ à ____ Sondage: 7h30 - 9h30

TOTAL Problèmes: 30m before reaching site 6D track on Nodwell broke, drill on next hole at end of day

_____

Contractant (heures) Divers:

_____ Déplacement sur le site suivant: 9h30 - 9h45 / 19h55 - 20h

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As		calc Mg
1			0 - 2.8 COCHRANE TILL soft grey sandy clay few pebbles						
2			2.8 - 22.3 MATHESON TILL fine sandy silty matrix (light grey) pebbly ~ 60/40/1 (MS, MV/GR/LS)						
3									
4		01		0	-	67	22.0		-
5		02		0	-	92	20.0		-
6									
7		03		0	-	130	19.0		-
8		04		0	-	<21	15.0		-
9									
10		05		0	-	39	18.0		-
11		06		2	A	73	27.0		534
12									
13		07		1	A	92	14.0		58
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-98

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As		
1–13									
14		08		1	A	190	21.0		6
15–16		09		0	–	425	20.0		–
17–18		10		1	A	29	17.		19
19		11	21.0 - 22.3 very minor clay in the matrix, pebbles ~ 75/25/1	1	A	511	18		43
20–21		12	22.3 - 24.0 BEDROCK	0	–	335	13		–
22–23		13 BEDROCK	mixed thinly bedded felsic (to int.) tuffs followed by more mafic (to int.) tuffs v. f. gr. to feldspar porphyritic pink feldspars locally stretched (l:w ~ 1:1 to 4:1) f. gr. groundmass may be light green, light brown, light grey, dark grey, and near end of hole, dark green. appears to be magnetic disseminated calcite (strong HCl reaction) a few rusty fracture surfaces and abundant py near end of hole	–	–				
24–8									

EOH 24.0

B U R N T B U S H   R I V E R   P R O J E C T

LOG SONDAGE, CIRCULATION INVERSE

DATE 22/07 1987 **Sondage No:** BOB 99 **Localisation:** Site 60

Géologue: AM/JL/RM **Sondeur:** W G **Outil:** CB 69073 **Métrage:** 0-11.7

Poste (heures)

___ à ___ **Sondage:** 7 hr 30 – 8 hr 45

TOTAL **Problèmes:**

Contractant (heures) **Divers:** new bit CB 69073

Déplacement sur le site suivant: 8 hr 45 - 9 hr 15

ECHELLE: 1:100 **Page** 1 **de** 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analysis of HMC (or bedrock) Au	As		
0–7.0			**0-7.0 Cochrane Till** — light brown to grey (down section), sandy clay, with few pebbles. -Compact, hard clay. The matrix becomes more sandy from 4.5 m down, the pebbles content also increase						
		01		0	–	25	18		–
7.0–7.2		02	**7.0-7.2 Unknown II** — Small interval of soft pure clay, medium grey	1	A	279	<4		149
7.2–10.1		03	**7.2-10.1 Matheson Till** — light beige to grey fine sandy to silty matrix (matrix is argillaceous between 7.7 m - 8.4 m) -pebbly, no or rare pebbles	0	–	89	15		–
		04		6	A	540	30		112
		05 BED ROCK		–	–				
10.1–11.7			70/30/1 (MV-MS/G/... **10.1-11.7** medium to dark green, fine grained crystal tuff with andesitic pseudomorphs (?) intermediate to mafic in composition. Good reaction with HCl. Minor sulphides (-pyrite) from 10.6-11.7						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 22-06 19 87 Sondage No: BOB 100 Localisation: Sib 62

Géologue: AM/JL/RM Sondeur: W. G Outil: CB 69073 Métrage: 11.7-45.4

Poste (heures) _____

_____ à _____ Sondage: 9 hr 15 - 12 00

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 12 00 - 12 15

ECHELLE: 1:100 Page 1 de 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom Type	analyses of HMC (or bedrock) Au	As		Cde Pb
1			0-0.5 Organics 0.5-3.2 Matheson Till						
2		01	Light beige to grey fine sandy silty matrix. Slightly pebbly 60/40 (MV-MS/GR)	1	A	623	4		516
4		02	5.0 - 40/60/1	1	A	96	6		41
6			6.5 - 13.5 more pebbly 60/40/1						
7		03		1	A	45	17		17
8									
9		04	8.0 70/30/1	0	-	57	17		-
10									
11		05		5	A	76	19		86
12									
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOR 100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains Form type	analyses of HMC (or bedrock) Au	As	W	calc ppb
1									
12									
13		06	13.5-17.0 Very bouldery and cobbly till 70/30 matrix clean	6	A	110	18	127	161
14		07		3	A	110	15		27
15		08		6	A	234	14		118
16			17.0-19.5 clayey matrix (medium grey, soft)						
17		09		0	–	86	17		–
18									
19		10	19.5-20.5 [illegible] 90/10 MV-MS/GR	3	A	66	29		136
20			20.5-22.5 Cobbly till, clayey matrix [illegible]						
21		11		6	A	140	28		180
22			22.5-23.6 pebbly, fine sandy matrix						
23		12		2	A	206	25		98
24			23.6-24.0 [illegible] light grey clay to Matrix Till						
25		13	24.0-27.2 Pebbly till, fine sandy [illegible] matrix 75/25/1	1	A	233	17		91
26		14		0	–	40	13		–
27									
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOR 100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains type	analyses of HMC (or bedrock) Au	As		cale mm
1									
2									
3									
4									
25									
26			27.2-28.5 Slightly clayed till pebble content = average						
27									
28		15	28.5-30.5 Cobbly till, fine sandy silty matrix 75/251	1	A	77	20		45
29			30.5-31.5 Pebbly till, matrix identical						
30		16	31.5-32.2 Sand and gravel unsorted with silt. High return	3	A	160	16		108
31		17	Slow drilling - water laid till?	6	A	82	10		59
32		18	32.2-33.7	5	A	37	21		56
33		19	Minor contamination from above due to caving in around rods	–	–				
		33.6m	Very fine grained, dark grey to green intermediate MV (tuff?)						
4			Good reaction with HCl						
5			Locally magnetic						
6			Very [illegible] rock						
7			fx with epidote (minor)						
8			No sulphide						

504 337

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 22/06 19 27 **Sondage No:** BRB 101 **Localisation:** S.Ib 59

Géologue: [illegible] **Sondeur:** W/Goodman **Outil:** [illegible] **Métrage:** 15.4-32.3 0-4.0

Poste (heures)

____ à ____ **Sondage:** 12 hr 15 - 17 hr)

TOTAL **Problèmes:** 14 20 - 15 45 pump set under the ice at 31.5m cleaned up (water tanks), rods got stuck [illegible]

_____ **Contractant (heures)** **Divers:** new bit CB 69072

_____ **Déplacement sur le site suivant:** 7 hr 15 - 7 hr 45 (23/06)

ECHELLE: 1:100 **Page** 1 **de** 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses at HNC (or bedrock) Au	Ag		calc mph
1			0 - 3.5 Organics)						
2			3.5 - 10.0 Cabanel Till						
3			medium brown to grey, sandy clay with few pebbles						
4									
5			5.5 - 8.4 Sandy Cabanel Till light grey/beige fine/medium grained sandy matrix very pebbly						
6		01		0	-	23	29		-
7									
8			8.4 - 10 back into a clayey matrix with few rare pebbles)						
9									
10			10.0 - 11.0 O. Jibway II pure soft medium grey clay						
11			11.0 - 33.0 Matheson Till						
12		02	light greyish beige fine sandy silty matrix, pebbly, rare cobble	1	A	42	15		56
13		03	40/60/2 MV-MS/GR/L.	1	A	46	17		5
14			11.4 - 11.5 granite cobble						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB 101

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains Type	analyses of HMC (or bedrock) Au	As		
14			14m-19m very pebbly till 60/40/2						
15		04		1	A	490	13		16
16		05	* one irregular grain	7	A	405	21		744
17									
18		06	* one irregular grain	5	A	66	30		569
19		07	19-20 Cobbly till 80/20/1	0	–	<12	18		–
20			20-23 fine pebble and pebble matrix clast 80/10						
21		08		5	A	345	17		264
22		09	22- granule pebble	3	A	44	16		59
23			23-27.3 moderately pebbly till 35/14/1						
24		10		1	A	<12	25		93
25									
26									
27									
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB 101

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As		
25									
26		11	27.3-31 Clayed sand with very few pebbles. % clay very important medium grey. More compact than pure clay OII	0	–	82	13		–
27		12	31.-33 back into fill (silty, sandy), clayed matrix few pebbles, medium grey	1	A	85	70		29
29		13	31.3 312-? granite pebble	0	–	50	16		–
30		14		4	A	1030	21		514
31		N/S							
32		15		0	–	140	32		–
33		bed rock	33.0-35.5 Strongly altered mx Brn-LGn very fine grained felsic ? MV. Weathered						
34		16	- Very soft to drill → into YBn clay hard to get chips	–	–				
35			- Rusty color						
6			- Non magnetic						
7			- reacted with HCl at top						
8			EOH 35.5						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 23-06 19 **Sondage No:** BBR 102 **Localisation:** Site 58

Géologue: AM/JL/RM **Sondeur:** W.G. **Outil:** CB 690=2 **Métrage:** 4.0-42.0

Poste (heures)

____ à ____ **Sondage:** 7[45] - 11[30]

TOTAL **Problèmes:** moving from BOB-102 to 103 had to winch out of hole

_____

Contractant (heures) **Divers:**

_____ **Déplacement sur le site suivant:** 11[30] - 12[00]

ECHELLE: 1:100 **Page** 1 **de** 4

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analysis of HMC (or bedrock) Au	Ag		calc ppb
0			0.0-7.0 [illegible]						
1			[illegible]						
2			1.3-4.2 [illegible]						
3									
4									
5			5.0-6.[illegible]						
6									
7			7.0-9.[illegible]						
8									
9									
10			9.5-[illegible] Till						
11			9.5-10.[illegible]						
12			12.5-13.1 [illegible]	0	—	33	7.0		-
13			13.1-13.[illegible]						
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

Page 2 de 4

BOB 102

Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As		
2	13.8- back into real till silty, fine sandy matrix 40/60/1 MS-MV/GR/L	1	A	130	<5.6		1475
3	17.8-19.4 [illegible], pebbly till fine/sandy matrix 60/40/1	1	A	120	<4.9		107
4		0	-	211	<4.9		-
19.9	19.4-19.9 white granite [illegible]						
5	19.4-22 [illegible] matrix [illegible] 70/30/1	0	-	<13	20.0		-
6	23-27.0 [illegible] 75/25	8	A	509	26.0		349
7		0	-	28	14.0		-
8		1	A	92	34.0		83

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOP: 102

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analysis of HMC (or bedrock) Au	As		
1–6									
7		9		1	A	90	41.0		181
		N/S	27.0-27.4 granite [illegible]						
28		N/S	28-28.3 granite [illegible]						
29		10	matrix [illegible] 80/18/3	0	–	27	40.0		–
30–31		11	30.0 less pebbly & [illegible] 80/20/1	0	–	90	41.0		–
32		N/S	32.0-32.4 MV boulder						
33		12	Till [illegible] 90/10/1	0	–	272	42.0		–
34		N/S	34.0-34.2 Granite [illegible]						
35		13	35.3-35.7 Granite [illegible]						
		N/S	35.7-37.0 [illegible]						
36		13	37.0-38.0 Dark [illegible], fine [illegible], [illegible] tuff with [illegible] feldspar [illegible]?? [illegible]	0	–	87	41.0		–
37–38		14 BEDROCK	[illegible]. Good reaction with HCl. No [illegible]	–	–				

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB 102

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analysis of HMC (or bedrock)			
37–38		14 BEDROCK	No contamination Only 1 metre of bedrock (was) drilled [illegible] high torque [illegible] at 32 metres) EOH 38 [illegible]						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 23-06 19 97 Sondage No: BOR-102 Localisation: Site 55

Géologue: AM/JL/RM Sondeur: WG Outil: CB 69074 Métrage: 0 - 32.4

Poste (heures)

____ à ____ Sondage: 12 00 - 15 30

TOTAL Problèmes: rods stuck in hole when pulling at end

Contractant (heures) Divers: new bit CB 69074

Déplacement sur le site suivant: 15 30 - 15 45

ECHELLE: 1:100 Page 1 de 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	Analyses of HMC (or bedrock) Au	As		Cde Mg
0			0-1.5 Cochrane Till Brown pebbly clay						
1									
2									
3		01	1.5-30.9 Matheson Till Silty clayed at top Fine sandy silty matrix. Pebbly till 20/30 MV-MS/GR						
4		MS	2.0-3.0 (No return)	1	A	34	7.8		14
5		01	3.5-3.9 (Mafic granite boulder) 3.9-5.5 Cobbly Till, clayey matrix						
6		MS	5.5-5.9 Granite boulder)						
7		02	5.9-8.6 Pebbly + Cobbly till fine sandy silty matrix 65/35 f/c	5	A	77	13.0		109
8		03	8.6-11.6 Very pebbly till, rare cobble	4	A	865	17.0		888
9			11.6-13.2 Sandy matrix						
10		04		3	A	380	24.0		125
11		05		1	A	63	19.0		294
12		06		1	A	42	12.0		235
13		MS							
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOR-103

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As		
1									
2									
13									
14		07		0	–	<13	8.3		–
15			15.0-17.5 Fines matrix – clay ?? Less pebbly						
16		08		0	–	40	14.0		–
17			17.5-21.2 More pebbly and cobbly coarser matrix than before [illegible] 70/20/1						
18		09		0	–	46	11.0		–
19		10		0	–	55	32.0		–
20									
21		11		1	A	180	37.0		190
	XXX	DDH	21.2-21.4 Granite boulder						
22		12	21.4-24.6 Cobbly & pebbly till matrix clay 85/14/1	0	–	42	28.0		–
23									
24		13		0	–	47	35.0		–
25		14	24.6-24.7 Mod. cobble	0	–	<12	22.0		–
26									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB 103

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analysis of HMC (or bedrock) Au	As		
25.5–28.9		15	25.5-28.9 less pebbly and pebbly matrix clay 70/30/1	0	–	463	26.0		–
		16		0	–	40	41.0		–
28.9–29.2		N/S	28.9-29.2 granite boulder						
29.2–30.9		17	29.2-30.9 Clay in matrix	0	–	48	58.4		–
30.9–32.4		18 BEDROCK	30.9-32.4 Dark green to black, homogeneous fine grained mafic meta volcanic (tuff) with minor disseminated sulfur (pyrite). Massive looking. Non magnetic no reaction with HCl. Minor epidote/chlorite rx	–	–				

FOH [illegible]

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 23-24/6 19 87 Sondage No: BOP 104 Localisation: Bte 54

Géologue: AM/dl/RM Sondeur: W. G Outil: CB 69074 / CB 69075 Métrage: 32.1-64.4 / 0 - 6.4

Poste (heures)

____ à ____ Sondage: 23-06/87 15^{45}-17^{15} 24-06-87 7^{15}-9^{45}

TOTAL Problèmes: 23-06-87 17^{15}-18^{20} change bit + hydraulics problems

_____ 24-06-87 7^{45}-2^{05} clay stuck in rods

Contractant (heures) Divers: New bit CB 69075

_____ Déplacement sur le site suivant: 9^{45}-10^{15}

ECHELLE: 1:100 Page 1 de 4

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analysis of HMC (or bedrock) Au	As		calc Mb
0			0 - 0.4 Organic)						
1			0.4 - 2.3 Cochrane Till Medium brown to green sandy clay with few pebbles						
2			2.3 - 35.1 Matheson Till						
3		01	Fine sandy silty [illegible], light beige to grey	0	-	57	<5.6		-
4			40/60/2 MS-MV/GF/L						
5		02	4.5-8 Cobbly till	0	-	214	14.0		-
6			8-10 Few cobbly pebbly, matrix dom						
7		03	10-13 Pebbly and cobbly till	0	-	56	20.0		-
8									
9		04		0	-	<14	18.0		-
10									
11		05		6	A	536	17.0		171
12		06	*ore mineral grain	7	A	120	21.0		49
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOP-104

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains form type	analyses of HMC (on bedrock) Au	As		calc ppb
13			13.0-14.5 Pebbly till, matrix (dirty) 70/30/1						
14		07		4	A	140	21.0		69
			14.5-17.3 Poor return, fines matrix						
15									
16		08		1	A	72	10.0		32
17			17.3-18.4 Clay w/ matrix, less pebbly						
18		09	18.4-21 Cobbly & pebbly till 60/40/1	0	-	88	7.1		-
19									
20		10		5	A	<15	<6.0		104
21			21.0-22.5 Good return. Very sandy						
22		11		0	-	<13	<8.6		-
			22.5-28 Return below normal very fine sand to silty matrix light grey to beige) 85/15/1						
23		12		0	-	26	11.0		-
24									
25		13	Stabby pebbly, m...	1	A	<16	41.0		
26									
27									
28									

* one mineral grain

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB 104

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains		analyses of HMC (on bedrock)			
				#	com type			W	
1									
2									
3									
4									
5									
26									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOP 104

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains form type	analyses of HMC (on bedrock)		W	
26		14	28-30.5 Ostrich till, slightly coarse matrix 90/10	3	A	74	28.0		–
29		15		1	A	1230	38.0		1341
30		N/S	30.5-30.9 Gravels (boulders)						
31		16	30.9-32.5 Pebbly till, fine sandy to silty matrix, light brownish grey	1	A	74	27.0	1500	40
32		N/S	32.5-33.1 Clayey till, dark grey pebbly						
33		17		0	–	24	32.0		–
34		18	33.1-36 Missinaibi Sediments Ophiolite I - Fine (sandy) clay, brownish to dark grey	7	A	1450	42.0		703
36		N/S	36.-36.8 Lower Till						
37		19	very fine sandy - Good retrieval, [illegible] Less pebbly	2	A	<15	13.0		16
38									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOP 104

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains form type	analyses of HMC (...) Au	As		
1									
2									
3									
4									
5									
6									
37			36.8 (37 ?) - 38.4 Bedrock						
38		20 bed rock	Black to dark [illegible], fine grained metamorphic (?) (tuff (?)) with disseminated pyrite ([illegible] %) top 50 cm abundant quartz veining last 40 cm	–	–				
39			37.5-37.7 [illegible] - medium grey [illegible] in depth						
0			Moderate carbonatization (for above)						
1			[illegible]						
2			[illegible] H-O						
3									
4									
5									
6									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 24-0[illegible] 19[illegible] Sondage No: [illegible] Localisation: [illegible] #7

Géologue: AM/RM Sondeur: W G Outil: CB 69075 Métrage: 6.4 - 26.4

Poste (heures)

____ à ____ Sondage: 10^{15} - 12^{30}

TOTAL Problèmes: [illegible] up ([illegible] tank) 12^{30}-13^{00}

Contractant (heures) Divers:

Déplacement sur le site suivant: 13^{00}-13^{15}

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analysis of HMC (or bedrock) Au	analysis of HMC (or bedrock) As		calc Mb
0–1.5			0-0.9 Organics 0.9-1?.? Matheson Till						
1.5–5		01	1.5-5.0 Sand [illegible] gravel, cobbly [illegible], [illegible], medium to coarse sandy matrix [illegible]? (Fines [illegible] washed out by surface water [illegible]?)	4	A	974	<13.0		1873
5–7.5		02	5.0-8.4 Fine sandy / silty matrix light [illegible] 40/60/2 MS-MV/GR/[illegible]	0	-	<17	17.0		-
7.5–8.4		03		1	A	88	<9.9		31
8.4–9.5		[illegible]	8.4-8.9 granitic [illegible] 8.9-13.2 Very fine sandy, silty and [illegible] matrix [illegible] pebbly [illegible] 30/20/1 11-12 [illegible]						
9.5–12		[illegible]		0	-	200	25.0		-
12–13.2		[illegible]	[illegible]	0	-	53	29.0		-
13.2–13.4			13.2-13.4 [illegible]						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB 105

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains Grain Type	analyses of HMC (or bedrock) Au	As		
13.4-14.5		06	13.4-14.5 Slightly coarser matrix, less clay	3	A	93	33.0		43
14.5-14.9		N/S	14.5-14.9 Pink granite boulder	↑	↑	↑	↑		
14.9-16.3		06, 07	14.9-16.3 Cobbly and Pebbly till	3	A	120	38.0		631
16.3-16.45		N/S	16.3-16.45 Boulder	↑	↑	↑	↑		
16.45-17		07	16.45-17 matrix clean 70/30/2						
17-18		08	17-18 clay w matrix 80/20	0	–	28	40.0		–
18.5-20		BED ROCK 09	18.5-20 Bedrock Dark green to black, very fine grained, mafic MV or metagabbro Non magnetic. 1-2% dissemi-nated sulphides (pyrite) Weak HCl effervescence for the first 20-30 cm Minor quartz veins 19-19.2 19.-19.5 [illegible] 19.5-20 good effervescence with HCl, no sulphides	–	–				

Weak to no contamination

COGEMA CANADA LIMITEE

E0H 20.0

(Doc. #0050U-A)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 24-25/06/19 97 **Sondage No:** [illegible] **Localisation:** [illegible]

Géologue: AM/RM **Sondeur:** W G **Outil:** CB 69074 / 69092 **Métrage:** 26.4 - 59.2

Poste (heures)

___ à ___ **Sondage:** 13^15 - 17^15 (24-06) 25-06- 7^00 - 9^00

TOTAL **Problèmes:** 16^40 - 17^15 changed bit at 32.8

7^00 - 9^15 [illegible]

Contractant (heures) **Divers:** new bit 69092

Déplacement sur le site suivant: 9^00 - 9^30

ECHELLE: 1:100 **Page** 1 **de** 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom Type	analyses of HMC (or bedrock) Au	As		calc ppb
0–1			0-1.0 Cochrane Till Brown clay with rare pebbles						
2–3		01	1.0-32.8 Matheson Till fine sandy silty, light beige to grey matrix	0	-	56	<10.0		-
4		02	1.0-6.0 Cobble till 40/60	1	A	87	<11.0		14
5		03		0	A	<16	35.0		-
6–7		04	6.0-8.2 Less pebbly till 50/50	5	A	120	<11.0		87
8		05	8.2-8.7 MV boulders	↓	↓	↓	↓		
8.5		N/S	8.7-11. Cobbly till 60/40/1						
9		05		4	A	110	<11.0		198
10		06		3	A	150	22.0		109
11			11.0-11.8 clay in matrix						
12–14		07	11.8-15.8 Fine matrix, argillaceous to silty. Rare pebbles, [illegible] Transitional contact with [illegible]. Returns below average	0	-	96	<12.0		-

corrected — error or x-sec X??

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOP 126

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As		calc Mg
1–8			ENTIRE SECTION MT/MS/LT assigned to MATHESON TILL IN CROSS-SECTION (similar till above and below clay)						
14–15		08	MISSINAIBI SEDIMENTS 15.5–16.5 [illegible]	0	–	34	15.0		–
16		N/S							
17		09	16.5–37.1 LOWER TILL 16.5–18 [illegible]	Lower Till ↓	↓	↓	↓		
18		N/S							
19		09	18–[illegible]	1	A	50	14.0		60
20		10	18.4–[illegible]	1	A	367	19.0		51
21		11		0	–	<18	40.0		–
22		12	23.2–[illegible]	0	–	88	52.3		–
23		N/S	26.4						
24		13	[illegible]	0	–	48	98.7		–
25–26									
27–8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au assays #	Au assays core type	analyses of HMC (or bedrock) Au	As		
1–8		14	25.4–27.0 [illegible] 27.0–27.2 Coarse [illegible] 5/13/2	0	–	19	29.0		–
		15	27.2–29.0 Chloritic [illegible] NOT [illegible]	0	–	49	50.5		–
		16	29.0–31.5 Sparsely [illegible] 5/15/1	1	A	160	43.0		149
		17	31.5–[illegible] Less pyrite	0	–	64	53.1		–
		18		6	A	341	74.9		318

Hole abandoned at 32.8

bit broken at 32.8m, went down with new bit, broke new bit at 21.5m.

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 25-06 19 97 Sondage No: BBR 107 Localisation: Site 52

Géologue: L.V. & F.K. Sondeur: W.G Outil: CP 69097 Métrage: 0-36
CP 69026 0-4.1

Poste (heures)

____ à ____ Sondage: $8^{30} - 16^{00}$

TOTAL Problèmes: $10^{45} - 15^{15}$ chucked bendy rod, clay stuck on rods
no return,

Contractant (heures) Divers: new bit CP69097 + new rod ; new bit CP69102
#CP69027 still good 80% after use

Déplacement sur le site suivant: $16 - 16^{45}$

ECHELLE: 1:100 Page 1 de 4

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains demi rapide	HMC (on bedrock) A_u	HMC (on bedrock) A_s	HMC (on bedrock)	HMC (on bedrock) calc MM
1			0-0.5 Drained) 0.5-1.5 Cochrane Till medium brown to grey sandy clay Frozen at base)						
2			1.5-26.6 Matheson Till						
3		01		0	—	<15	<10.0		—
4									
5		02	1.5-7.0	0	—	110	<13.0		—
6			7.0-10						
7				1	A	110	<14.0		6
8				0	—	79	<12.0		—
9									
10				0	—	36	<13.0		—
11				1	A	3280	14.0		3460
12			13.0-16.5						
13				0	—	160	22.0		—
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BH-117

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains		Analyses of D.H.C (to bedrock)			
				#	Sort Type	Au	Ag		
1									
2									
3									
14				6	A	160	14.0		88
15									
16			16.5-21.0 [illegible]	4	A	97	16.0		190
17			[illegible]	6	A	180	24.0		109
18									
19				1	A	130	13.0		88
20				1	A	140	13.0		35
21			[illegible]	4	A	130	18.0		130
22			[illegible]						
23			[illegible]	1	A	<14	14.0		40
24			[illegible]						
25		15	[illegible]	3	A	<13	6.8		37
26		16	[illegible]	0	—	65	5.1		—
27									
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOR 107

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains Nom type	analyses of FMC (dry sediment) Au	As		
1									
2									
3									
4									
5									
6									
27			26.6-30 = [illegible] Sand & Gravel [illegible]						
28		17	[illegible]	1	A	160	9.4		101
29			[illegible]						
30			[illegible]						
31		18	[illegible]	1	A	42	53.8		23
32			[illegible]						
33			[illegible] 5/15 MV-MS/GR	1	A	55	45.0		44
34				1	A	110	37.0		16
35			35.7-38.6 [illegible]						
36				1	A	56	49.0		22
37									
38									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

RDF 107

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains Size type	analyses of HMC (or bedrock) Au	As		
37–38.6	A / A / A	[illegible]	37.6-40.1 Bedrock Dark grey to black, fine grained [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] dissemi-nated sulphides throughout (1-2% pyrite) Minor quartz vein at 39. [illegible] [illegible] with HCl on [illegible] [illegible] [illegible] ? [illegible] [illegible] ?	9	A	293	50.9		211
38.6–40.1		[illegible]		–	–				

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 26-06 19 87 **Sondage No:** BBR 108 **Localisation:** site 52

Géologue: AM/RM **Sondeur:** W.G. **Outil:** CB[illegible] **Métrage:** 41-25.1

Poste (heures)

____ **à** ____ **Sondage:** 7:00[20] - 9[45]

TOTAL **Problèmes:**

Contractant (heures) **Divers:**

Déplacement sur le site suivant: 9[45] - 10[15]

ECHELLE: 1:100 **Page** 1 **de** 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains type	Au	As		Ab ppb
0–9			0-2.5 Organics 2.5-7.6 Cochrane Till Clayey till [illegible] to dark grey. Hard [illegible] surface, softer [illegible] 5.0-5.6 [illegible] Gradational [illegible] Ojibway II 7.6-9.0 Ojibway II [illegible] grey [illegible]						
9–10.5		01	9.0-22.6 [illegible]	4	A	286	<230.0		725
10.5–12		02	[illegible]	1	A	<470	X		33
12–13.5		03	[illegible]	3	A	50	7.3		75

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BB-93

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains type	analyses of HMC (or bedrock) Au	As		
1									
2									
3									
4			13.2-14.2 Melanocratic [illegible]						
			14.2-16.5 [illegible]						
5		04		6	A	110	11.0		93
6		05	16.5-20 [illegible]	3	A	230	11.0		210
7				6	A	140	11.0		181
8									
9				6	A	382	34.0		306
20			20.0-21.8 [illegible]						
1			21.8-23.2 [illegible]	1	A	60	51.3		7
2				0	-	69	11.0		—
3			23.2-26 [illegible]						
4				4	A	32	26.0		152
5			26-28.6 [illegible]	0	-	[illegible]	11.0		—
6									
7				5	A	[illegible]	32.0		306
8									

B U R N T B U S H   R I V E R   P R O J E C T

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

Page 2 de 2

BRP-98 [illegible]

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains form type	analyses of HMC (or bedrock) Au	As		
27			23.0-31 [illegible]						
28	Δ	13	Fine grained, [illegible]	+0	-	<16	84.8		-
29		[illegible]	-Non magnetic -No reaction with HCL						
30		14	-Homogeneous -[illegible] pyrite 29.0-29.5	-	-				
31		BEDROCK	-Dark [illegible] locally [illegible]						

COGEMA CANADA LIMITEE

(Doc. #0050U-A)

EOH 31m

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 26-06 19 87 Sondage No: BBR 102 Localisation: Site 51

Géologue: AM/PM Sondeur: W G Outil: CB69096 Métrage: 35.1-72.6

Poste (heures) _____

_____ à _____ Sondage: 10[15]-13[15]

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 12[15]-13[30]

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grain: t#	Au grain: Type	Analyse of HMC (w. bedrock): Ag	Analyse of HMC (w. bedrock): Ac	Analyse of HMC (w. bedrock):	Analyse of HMC (w. bedrock): calc Nb
1			0-0.3 Organics 0.3-2.0 Colluvial Till Very stony, [illegible] with pebbles						
2									
3			2.0-7.9 Mathews Till [illegible]						
4		01		1	A	47	30.0		42
5									
6			5.8-7.5 Very [illegible] matrix, Pebbly						
7		02	Faulted Bedrock [illegible]	1	A	72	24.0		18
8		03	7.5-10.5 Fragments of [illegible] bedrock	5	A	190	18.0		105
9									
10		04		6	A	303	18.0		139
11		05	10.5-11.6 [illegible]	0	-	100	43.0		-
12			11.6-12.5 [illegible]						
13		06	12.5-15.4 Very [illegible] matrix, [illegible]	1	A	48	12.0		164
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

R.OP-10?

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains Som type	analyses of HMC (or bedrock) Au	As		
		07		0	–	219	<6.2		–
		08	15.4-16.9 Fu[illegible] matrix, fine sand to silty. V[illegible] 50/50	1	A	35	6.7		26
		09	16.9-19.2 Matrix [illegible], [illegible]	1	A	60	<6.1		17
		10	19.2-19.5 [illegible], [illegible] coarse matrix [illegible] fu[illegible] matrix	0	–	95	<6.0		–
		11	19.5-19.9 Granit[illegible]						
		N/S	19.9-22.1 Pebbly [illegible] Fu[illegible] matrix 50/50/2						
		11	22.1-25.8 Variable matrix [illegible] Fu[illegible] sand to [illegible] silt. F[illegible], [illegible] 75/25/2	0	–	160	15.0		–
		12		0	–	<17	33.0		–
		13		0	–	<17	46.0		–
		4		1	A	54	30.0		25

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BBR 109

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains type	analyses of ... (Cr. bedrock) Au	As		
25.8-28.0									
28.0-30.1		15		1	A	110	33.0		82
		16		1	A	33	20.0		14
30.1-31.9									
		17		0	–	61	95.0		–
31.9-33.				31.	1-3	4.7	MS		
				24.	5	5.5	LT		
				(18)	1	A	56	142.0		11
				(19)	5	A	140	41.0		154
34.5-34.9									
34.9-35.0		18							
				we					
				11					
		BEDROCK		–	–				

EOH 37.1

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 26-26 19[illegible] Sondage No: [illegible] Localisation: [illegible]

Géologue: [illegible] Sondeur: [illegible] Outil: [illegible] Métrage: 0-22.5

Poste (heures) _____

_____ à _____ Sondage: [illegible] -17 00

TOTAL _____ Problèmes: 10h30-11h working on GT1000 which broke down 300 m before BOB-111 (27/6)

Contractant (heures) _____ Divers: [illegible]

_____ Déplacement sur le site suivant: 7h30-11h45

ECHELLE: 1:100 Page 1 de 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains type	analyses HMC (on bedrock) Au	As		ale Mn
1			0-1.3 [illegible]						
2			1.3-4.1 Basalt Till						
3			[illegible]						
4			4.1-6.0 Gibbsville II						
5		01	6.0-20.2 Matthew Till	2	A	54	31.0		91
6			[illegible]						
7		02	[illegible]	1	A	47.	16.0		144
8			[illegible]						
9		03	[illegible]	2	A	2610	12.0		1341
10			[illegible]						
11		04	[illegible]	1	A	62	<10.0		39
12		05	[illegible]						
13			[illegible]	1	A	709	13.0		842
14									

B U R N T B U S H   R I V E R   P R O J E C T

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

B 9 [illegible]

Columns: Profondeur (m) | Log graphique | Echantillon No | DESCRIPTION | Au grains (# , form type) | analyses of HMC (or bedrock) (Au, As)

13.2-14.0 Fine sandy silty light to medium gray matrix with [illegible] clasts (clean [illegible], not [illegible]) Pebbly till

14.0-14.2 [illegible]

14.2-16.0 [illegible] 13.2-14.

16.0-16.3 Ojibwa [illegible] I ??
[illegible]

16.3-20.[illegible] [illegible]

16.3-20.1 [illegible]
[illegible] silty
matrix.

20.1-20.[illegible] [illegible]
20.2[illegible] [illegible]
16.3-20.1

21.0-21.5 [illegible]
21.5-21.6 [illegible]
21.6-22.2 [illegible]
[illegible]
[illegible]

23.0-23.2 [illegible]
[illegible]
23.2-[illegible] V[illegible]
[illegible]
[illegible]

Au grains #	form type	Au	As		
0	–	30	17.0		–
1	A	75	<10.0		142
0	–	63	<11.0		–
4	A	390	<12.0		447
6	A	652	<11.0		168
0	–	95	59.0		–

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOBH10

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains form type	analyses of HMC (or bedrock) Au	As		
0–4			NOTE: FROM CROSS-SECTION, the entire till sequence (6.0-26.2) has been assigned to the MATHESON TILL						
24.5–26.2		12	24.5-26.2 Very [illegible] (pebbles) 80/20	1	A	390	99.0		26
26.2–28.5		BED ROC 13	26.2-28.5 Bedrock First 20 cm [illegible] very soft dark green [illegible] clay. Deeper the [illegible] to black, biotite rich [illegible] with abundant [illegible] quartz [illegible] (from 26.2-27.0 m). Locally [illegible]. Non magnetic, no reaction with HCl. No sulphides. From 27.8-28.5 rock is dark [illegible]	-	-				

EOH 28.5

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 27/6 1987 Sondage No: BoB-111 Localisation: site 119

Géologue: JL/RM Sondeur: WG Outil: CB69090 Métrage: 28.5 - 53.8

Poste (heures)

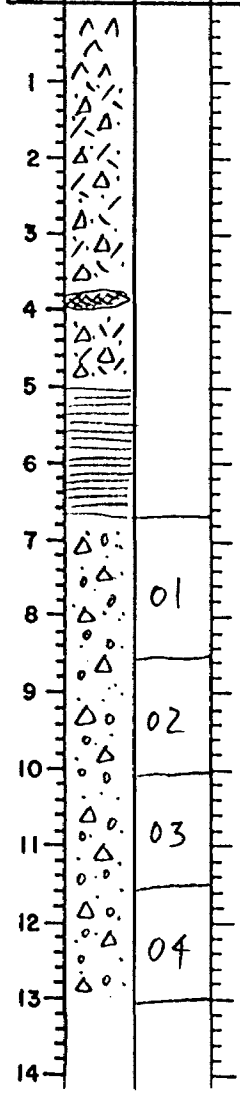
____ à ____ Sondage: 11h45 - 14h30

TOTAL Problèmes:

Contractant (heures) Divers: moving to next site - cut road/brushcrash

Déplacement sur le site suivant: 14h30 - 18h30 7h - 9h15 (28/6)

ECHELLE: 1:100 Page 1 de 2



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0			0 - 1.0 ORGANICS
1			1.0 - 5.0 COCHRANE TILL grey soft sandy clay few pebbles
2			
3			3.8 - 4.0 wh GR bldr
4			
5			5.0 - 6.7 OJIBWAY II SEDIMENTS pure soft lt grey clay
6			
7		01	6.7 - 23.8 MATHESON TILL fine sandy silty light grey matrix pebbly 70/30 MV, MS/GR contact with overlying clays abrupt.
8			
9		02	
10			
11		03	
12		04	
13			
14			

Au grains		analysis of HMC (or bedrock)			
#	Grain type	Au	As		calc Mg
1	A	89	33.0		46
2	A	61	12.0		46
0	-	51	15.0		-
0	-	45	28.0		-

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-111

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains form type	analyses of HMC (or bedrock) Au	As		
1									
2									
13									
14		05	relatively homogeneous sandy silty till	0	–	140	19.0		–
15									
16		06		1	A	37	17.0		67
17		07		1	A	230	22.0		38
18									
19		08		0	–	65	17.0		–
20		09		0	–	41	28.0		–
21									
22		10	23.8 - 25.3 BEDROCK	6	A	48	17.0		83
23		11	fine to medium grained silicic to intermediate (biotitic) tuff	0	–	44	23.0		–
24		12 BEDROCK	pronounced foliation	–	–				
25			v. minor py at top (~0.5m) smeared in foliation planes (sheared?)						
26			v. minor HCl reaction						
7			light to med grey						
			last metre is darker grey and more resembles biotite schist (metasediment)						
8									

COGEMA CANADA LIMITEE

EOH 25.3

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 28/6 1987 Sondage No: BOB-112 Localisation: site 121

Géologue: JL/AM Sondeur: WG Outil: CB69090 Métrage: 53.8-78.9

Poste (heures)

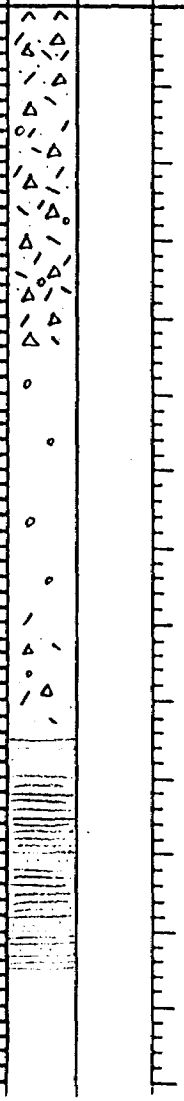
____ à ____ Sondage: 9h15 - 11h15

TOTAL Problèmes:

Contractant (heures) Divers: 11h15 - 12h clean tanks fill with water

Déplacement sur le site suivant: 12h - 12h15

ECHELLE: 1:100 Page 1 de 2



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains Form Type	analysis of HMC (on bedrock) Au	As		
			0 - 0.2 ORGANICS						
			0.2 - 9.5 COCHRANE TILL						
			0.2 - 4.5 light grey sandy clay, few pebbles						
			4.5 - 7.5 few pebbles, no fines underground stream						
			7.5 - 9.5 poor return, silty, clayey, few pebbles						
			9.5 - 14.5 OJIBWAY II SEDIMENTS						
			9.5 - 12.5 pure soft light grey clay, watery with thin interbeds fine light brown sands						

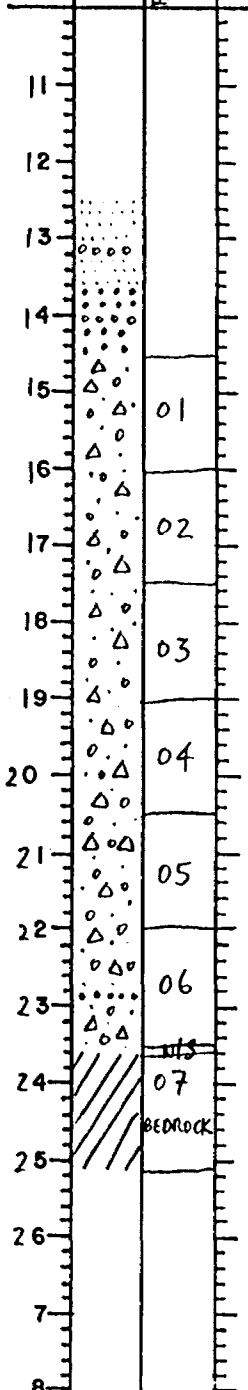
COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-112



Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom Type	analyses of HMC (or bedrock) Au	As		
			12.5 - 14.5 fine to medium sands, well sorted, minor gravel, pebbly interbeds grades downwards to coarse sand, minor gravel						
			14.5 - 23.6 MATHESON TILL						
15		01	fine sandy, silty light beige-grey matrix pebbly 60/40 (MS,MV/GR)	1	A	190	22.0		85
16		02		0	-	57	16.0		-
18		03	17.0 - 20.0 pebbles ~70/30 (MS,MV/GR)	4	A	64	29.0		82
19		04		4	A	280	24.0		141
21		05	20.0 - 23.6 pebbles ~60/40 as before	1	A	26	14.0		34
22		06	22.8 - 23.0 possibly a coarse sand. and gravel interval	0	-	<20	17.0		-
24		07 BEDROCK	23.6 - 25.1 BEDROCK						
			fine to medium grained dark grey biotite-hornblende schist (metased.) v. minor sf v. minor quartz vein with sulfide no HCl reaction	-	-				
			25.1 EOH						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 28/06 1987 Sondage No: BOB-113 Localisation: Site 120

Géologue: AM/MH Sondeur: G W/G Outil: CB 69095 Métrage: 0-26.5

Poste (heures) _____

_____ à _____ Sondage: 12[15] - 15[00]

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: new bit CB 69095

_____ Déplacement sur le site suivant: 15[00] - 16[15] (bad road out from the GTI road)

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains Com Type	analyses of HMC (or bedrock) Au	As		Cable Mpb
0			0-0.2 Organics						
1			0.2-1.5 Cochrane Till: Medium brown to medium grey-brown sandy clay with few pebbles						
2									
3		01	1.5-24.9 Matheson Till: Fine sandy to silty, light beige, grey green matrix	0	—	260	<10.0		—
4			1.5-5.5 Cobbly till						
5		02		0	—	120	<11.0		—
6		MS	5.5-5.8 Ms boulder						
			5.8-7.0 Pebbly till						
7		02	7.0-7.6 Medium sand, no pebbles						
		03	7.6-7.8 Ms boulder						
8		MS	7.8-8.5 Cobbles, rounded, ms dominated						
9		03	8.5-10.4 Pebbly till, matrix silty	1	A	66	<6.4		19
10		04	10.4-12.2 medium-coarse grained sand, pebbly	2	A	375	<6.7		486
11			From 8.5 to 16.0 pebbly silty till, sand & gravels						
12		05		0	—	92	9.5		—
13									
14									

B U R N T B U S H   R I V E R   P R O J E C T

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

Page 2 de 2

BOB 113

Profondeur (m)	Echantillon No	DESCRIPTION	Au grains #	Au grains grain type	analyses of HMC (or bedrock) Au	As		calc ppb
12.2-12.6		till						
12.6-13.5	06	gravel, very little sand	0	–	49	22.0		–
13.5-14.1		till, matrix as above						
14.1-14.5	N/S	Ms boulder						
14.5-16.0	07	Back in till, light greenish grey fine sandy silty matrix 75/24/1 Ms-MV/GR/L	0	–	64	11.0		–
16.0-18	08	pebbly till, matrix is decreasing in size, now silty	1	A	40	11.0		15
18.0-19.7	09	Low returns, flakes of grey hard clay flakes (not pure) mixed with silt. Slightly pebbly	1	A	50	21.0		9
19.7-22.2	10	Pebbly till, coarser matrix fine sd st matrix	0	–	78	20.0		–
22.2-22.4	N/S	Cobbles, no matrix						
22.4-24.9	11	Pebbly till with clayey till 85/15	0	–	<16	27.0		–
24.9-25.0	12	Ojibway I Fine hard grey clay	0	–	<18	84.0		–
25.0-26.5	13 BEDROCK	Bedrock easy to drill. Fine to medium grained black, well foliated biotite schist (metasediment) no reaction with HCl, non magnetic. Very minor pyrite. 25.5 - very minor quartz vein. 25.5-26.2 rocks look more feldspathic	–	–				

COGEMA CANADA LIMITEE

EOH 26.5 m

(Doc. #0050U-A)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 28/6 1987 Sondage No: BOB-114 Localisation: site 122

Géologue: JL/AM Sondeur: WG Outil: CB69095 / CB69137 Métrage: 26.5-28.0 / 0-37.4

Poste (heures)

____ à ____ Sondage: 16h15 - 20h00

TOTAL Problèmes: BIT LEAKS change at 1.5m

Contractant (heures) Divers: NEW BIT CB69137

Déplacement sur le site suivant: 7h-9h15 (29/6)

ECHELLE: 1:100 Page 1 de 4

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As		
0			0-2.2 ORGANICS						
1			2.2 - 11.3 COCHRANE TILL						
2			light grey sandy clay						
3			few pebbles						
4									
5									
6									
7									
8									
9			9.6 - 10.9 no return - water seam						
10									
11			11.3 - 25.0 MATHESON TILL					-	
12		01	fine sandy silty light beige grey matrix pebbly 60/40/1 (MS, MV/GR/LS)	4	A	100	31.0		53
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-114

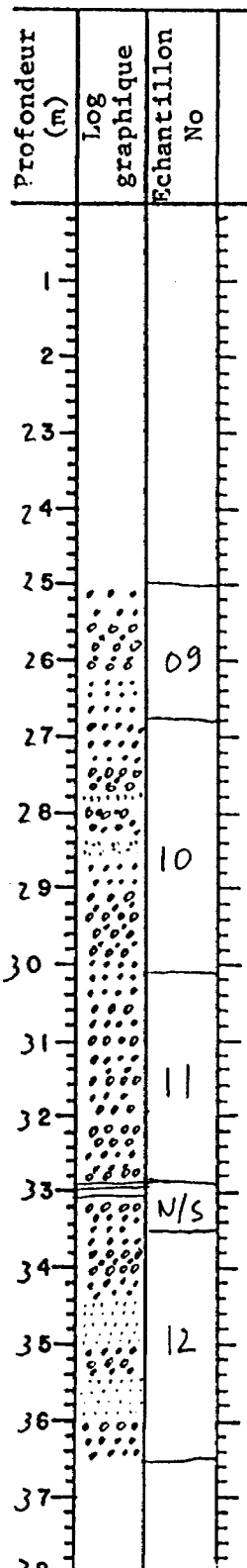
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analysis of HMC (or bedrock) Au	As		Sb
11									
12									
13									
14		02		1	A	60	35.0		22
15		03	relatively homogeneous fine sandy, silty, pebbly till.	6	A	25	37.0		104
16									
17		04		4	A	339	26.0		215
18									
19		05		1	A	130	34.0		32
20		06		1	A	28	14.0		17
21		07	21.2 - 21.5 dark grey MS boulder						
22		07		1	A	550	19.0		145
23									
24		08	24.0 - 24.4 dark grey MS boulder 24.4 - 24.6 pink and black GR boulder 24.6 - 25.0 white GR boulder	1	A	33	21.0		14
25		N/S							
26									
27									
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BoB-114



DESCRIPTION	Au grains #	Au grains form type	analyses of HMC (or bedrock) Au	As		calc Mg
25.0 - 37.4 MISSINAIBI SEDIMENTS						
25.0 - 32.9 coarse to medium sands and sandy gravels gravels ~ 30/70 (MS, MV/GR) few interbeds fine sands very high return	4	A	1490	9.3		2561
	8	A	160	<8.6		1006
	3	A	1390	<8.1		794
32.9 - 33.1 hard pure grey clay 33.1 - 37.4 return to sand and gravel, but with slightly more fine sand interbeds	6	A	1900	<9.0		1216

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-114

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains form type	analysis of HMC (or bedrock) Au	As		calc Mb
1									
2									
3									
4									
35									
36									
37		13	37.4 - 38.9 BEDROCK	4	A	347	<9.1		202
38		14 BEDROCK	medium grey fine to med. grained biot schist (metasediment)	-	-				
		15 BEDROCK	minor pyrite at top	-	-				
39			sample 14 strongly contaminated						
40			sample 15 less contaminated						
1			contamination is due to caving in of overlying materials around rods						
2									
3									
4									
5			EOH 38.9						
6									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 29-06 19 87 Sondage No: BOB-115 Localisation: Sta. 124

Géologue: AM/RM/JL Sondeur: GWG Outil: CB69137 CB69163 Métrage: 374-749 0-4.3

Poste (heures)

____ à ____ Sondage: 9^{15}-18^{00}

TOTAL Problèmes: 7^{00}-8^{15} cleaned up tanks + backcrossing from BOB 114

_____ 12^{10}-14^{45} changed bit + fixed hydraulics on machine (12^{15}-13^{30})

15^{40}-16^{10} rods plugged

Contractant (heures) Divers: CB 69163 new bit

_____ Déplacement sur le site suivant: 12h - 12h15 (30/6)

ECHELLE: 1:100 Page 1 de 4

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analysis of HMC (or bedrock) Au	As		
0			0-1.4 Organics						
1			1.4-6.1 Cochrane Till						
2			sandy clay, medium grey, with interbedded sand pebbles						
3			Transitional contact with unit below						
4									
5									
6			6.1-11.4 Ojibway II						
7			Pure soft grey clay						
8									
9									
10									
11									
12		01	11.4-31.1 Matheson Till	0	-	150	31.0		-
13		02	- Sharp contact with [illegible]						
14			light grey fine sandy [illegible]						
			Pebbly till						
			12.9-13.3 granite [illegible]						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB 115

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
1			
2			
13			
14	Δ	02	13.3-17.6 Pebbly sandy cobbly till
15	Δ		
16	Δ	03	
17	Δ	04	
		05	17.6 17.75 granite boulder
18	Δ	04	17.75-20.3 Pebbly till matrix dom
19	Δ	05	
20			20.3- clay ox matrix
21	Δ	06	20.3-23 Pebbly till 80/20/1 matrix dom
22	Δ	07	
23	Δ		23-30.1 Slow drilling, high return
24	Δ	08	Pebbly, no cobbly matrix dom 70/30/1
25	Δ	09	
26			
27	Δ	10	
28			

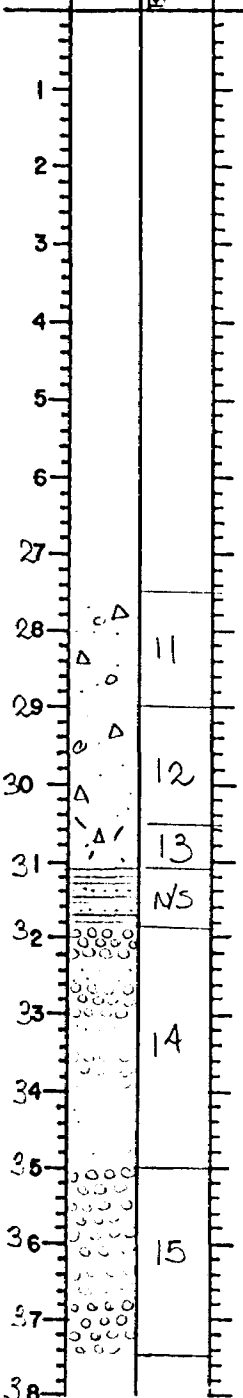
Au grains		analysis of HMC (on bedrock)			
#	dom Type	Au	As	W	calc ppb
4	A	40	47.0	134	415
1	A	110	40.0	154	17
1	A	120	27.0	112	272
/	/	/	/		
7	A	255	32.0	119	178
1	A	30	22.0	205	55
0	-	<24	27.0	279	-
4	A	45	22.0	143	133
1	A	43	22.0	380	397
0	-	91	13.0	189	-

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB 115



DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As	W	
30.2- clayey matrix, less pebbly						
31.1-40.6 Missinaibi (sédimentaire)						
31.1-31.9 Ojibway I						
Pure hard, compact, grey clay interbedded with sandy clay and pebbles	0	–	639	34.0		–
Intervals Pure clay 31.1-31.4 ; 31.5-31.7.	0	–	25	26.0		–
	0	–	<20	30.0		–
31.9-40.6 Interbedded sand & gravels at top grading downward into gravels (with no matrix)	0	–	96	14.0		–
- Rounded pebbles						
- Very slow drilling	1	A	5360	16.0	1290	291
37.5 - pulled out to change bit						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOR 115

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As	W	
37			37.8 Lots of sulphides (arsenopyrite) in gravels						
38		16		0	–	70	20.0	2500	–
39		17	38.5-38.65 Ms boulder	2	A	180	106.0		506
40			40.6-41.8 Bedrock ?? Strongly sericitized basalt rich schist with disseminated sulphides and minor quartz veins ??						
41		18		–	–				
42									

EOH 41.8

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 30/6 1987 Sondage No: BoB-116 Localisation: site 123

Géologue: JL/AM Sondeur: GWG Outil: CB69138 Métrage: 0-21.2

Poste (heures) _____

_____ à _____ Sondage: 12h 15 - 14h 15

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: NEW BIT CB69138

_____ Déplacement sur le site suivant: 14h15 - 15h

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analysis of HMC (on bedrock) Au	As		
			0-1.1 ORGANICS						
			1.1 - 7.5 COCHRANE TILL light grey sandy clay few pebbles. 2.2 - 2.6 black and white granite boulder						
			5.5 - 6.7 water seam - no return 7.0 - 7.4 water seam - no return						
			7.5 - 12.8 OJIBWAY II SEDIMENTS pure soft grey clay.						
			11.0 - 11.5 medium to coarse sands and gravel.						
			12.0 - 12.8 clay interbedded with fine sand.						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB - 116

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains form type	analyses of HMC (or bedrock) Au	As		calc Au^b
1									
12									
13			12.8 - 19.7 MATHESON TILL						
14		01	fine sandy silty light beige grey matrix pebbly ~ 60/40 (MS, MU/OR)	1	A	35	16.0		29
15		02	sample #2 visible pyrite in #1 bucket	2	A	44	17.0		2860
16									
17		03		0	–	<11	40.0		–
18									
19		04	sample #4 abundant py in metasediment chips on +10 mesh	1	A	53	19.0		78
20		05	19.7 - 21.2 BEDROCK	–	–				
21		BEDROCK	fine grained medium grey to greyish green metasediment biotite schist/ chlorite schist minor pyrite minor quartz vein at 20.5m						
22									
23									
4									
5			EOH 21.2						
6									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 30-06 1987 Sondage No: BOB 117 Localisation: Site 127

Géologue: AM/dlw Sondeur: GWG Outil: CB 69138 Métrage: 2112-420

Poste (heures)

____ à ____ Sondage: 15^{00}-16^{45}

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 16^{45}-17^{30}

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analysis of HNC (or bedrock) Au	As		cale Mb
1			0-1.5 Organics						
			1.5-7.4 Cochrane Till / Sediments						
2			1.5-2.0 - Cochrane Sediments Pure hard grey clay						
3			2.0-7.4 Sandy clay with interbeds of pebbles Getting softer down section. Gradational contact with unit below						
4									
5									
6									
7		N/S	7.4-11.9 Ojibway II						
			Pure soft grey clay with interbeds of pebbles						
8									
9									
10									
11									
12			11.9-19 Matheson Till						
13		01	11.9-12.1 - granite - MS boulder	4	f-	-38	35.0		181
14									

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB 117

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As	W	calc Au/t
1–13			Fine sandy silty, light greenish grey to grey, pebbly till 60/40/1 Ms-MV/GR/W						
14	Δ	02		1	A	214	45.0	146	3077
15–16	Δ	03	Good return	6	A	36	27.0		808
			15-19.0 Very pebbly till 70/30/2						
17	Δ	04		0	–	88	21.0		–
18	Δ	05		0	–	<9	14.0		–
19		05 Bedrock	19.0-20.8 Bedrock						
			First 40 cm not sampled - too contaminated						
20		06	Well foliated, fine to medium grained black, biotite schist (metasediment)	–	–				
21–22			Non magnetic						
			No reaction to HCl						
3–8			No sulphides						
			Very minor quartz veins at 295						

COGEMA CANADA LIMITEE EOH 20.8

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 1/7 1987 Sondage No: BOB-118 Localisation: site 128

Géologue: JL/AM Sondeur: GW6 Outil: CB69132 Métrage: 0-26.0

Poste (heures)

____ à ____ Sondage: 7h45-9h30

TOTAL Problèmes:

Contractant (heures) Divers: 7h-7h45 clean tanks, change bit NEW BIT CB69132 NEW SUB

Déplacement sur le site suivant: 9h30-10h00

ECHELLE: 1:100 Page 1 de 2

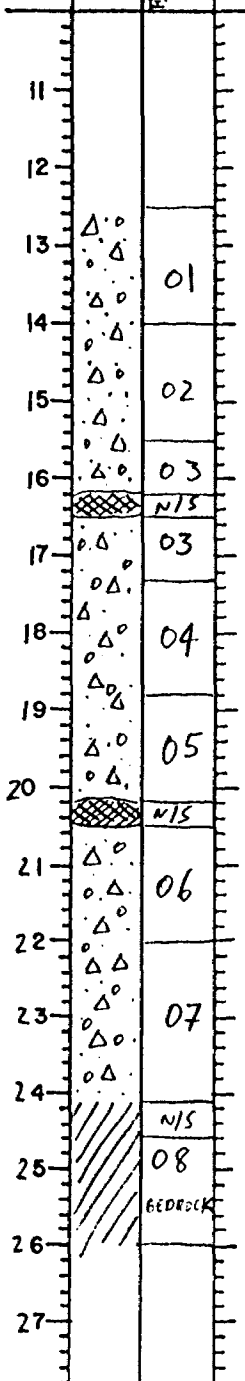
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains form type	analyses of HMC (or bedrock) Au	As		
1			0-2.6 ORGANICS						
2			2.6-10.8 COCHRANE TILL						
3			light grey sandy clay, soft, a few pebbles						
4									
5									
6									
7									
8									
9			9.0-10.5 water seam, no return						
10									
11			10.8-12.5 OJIBWAY II SEDIMENTS						
12			pure grey clay with a few pebbly interbeds						
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB - 118



DESCRIPTION

12.5 - 24.1 MATHESON TILL

fine sandy silty light beige grey matrix pebbly ~ 50/50/1 (MS, MV/GR/LS)
abrupt contact with overlying clays

16.2 - 16.5 white granite boulder

20.2 - 20.5 dark grey MS boulder

24.1 - 26.0 BEDROCK

dark grey fine to med. grained biotite - hornblende schist (MS)
minor quartz vein at 24.3, 25.3
a few greenish schistosity planes
no sulfide., no reaction with HCl
24.1 - 24.6 not sampled due to contamination from caving in around rods.

Au grains #	Au grains form-type	analyses of HMC (on bedrock) Au	As	W	calc Mb
1	A	160	16.0		11
0	-	209	15.0		-
1	A	307	17.0		34
6	A	45	21.0		885
1	A	66	17.0	115	14
0	-	15	25.0		-
3	A	130	22.0		122
-	-			-	

EOH 26.0

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 1/7 19 87 Sondage No: BOP 119 Localisation: Sdw 125

Géologue: AM/dh Sondeur: G W'G Outil: CB 69132 Métrage: 260-430

Poste (heures)

____ à ____ Sondage: 10hr) - 11hr) 15

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 11 15 - 11 30

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0			0 - 2.4 Overburden
1			
2			2.4 - 8.5 Cochrane Till
3			light to medium grey, sandy clay with pebbly interbeds
4			7 - 7.5 pebbly clayey till
5			
6			
7			
8			8.5 - 13.1 Ojibway II ?
9			Very fast drilling
10			no return
11			
12			
13			13.1 - 14.8 Mathews Till
14			

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB 119

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	Ag		Au/Ag
1									
2									
13									
14	A o A A o	01	Fine sandy, silty, pebbly till light grey	3	A	16	17.0		43
15		02 bedr	14.8-17.0 Bedrock						
16			Black to dk grey-dark grey weak foliated, fine to medium grained biotite (hornblende) schist (metasediment). Minor quartz veining at top. Minor disseminated pulphides	-	-				
17			Non magnetic						
18			Carbonate(s) on fractures						
9			16-162 1-2% pulphides						
0									
1									
2									
3									
4									
5									
6									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 1/7 1987 Sondage No: BOB-120 Localisation: site 126

Géologue: JL/AM Sondeur: GWG Outil: CB69/32 Métrage: 43.0 - 62.5

Poste (heures) _____

_____ à _____ Sondage: 11h30 - 13h

TOTAL Problèmes: we got stuck and nearly tipped the Nodwell during the move to the next hole

_____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 13h - 16h

ECHELLE: 1:100 Page 1 de 2

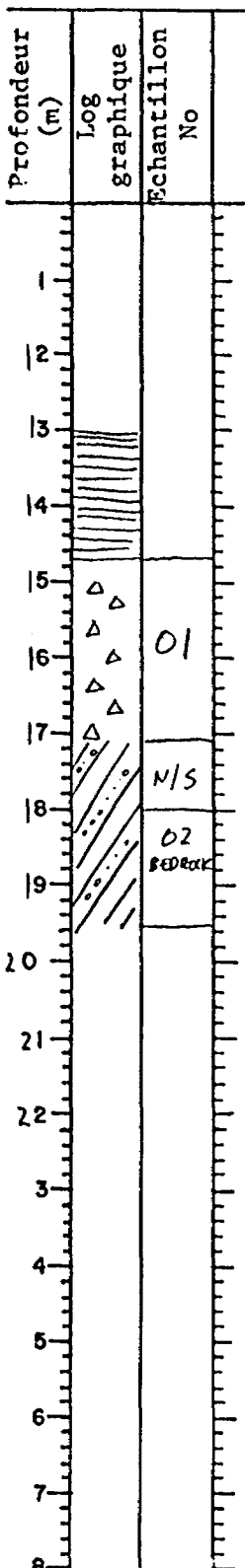
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
1			0 - 3.0 ORGANICS dark brown soup
2			
3			3.0 - 11.0 COCHRANE TILL light grey sandy clay, few pebbles
4			
5			
6			6.5 - 7.5 water seam
7			
8			
9			9.5 - 9.7 fine sandy silty pebbly till
10			
11			11.0 - 14.7 OJIBWAY II SEDIMENTS pure soft grey clay
12			
13			
14			

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-120



DESCRIPTION

14.7 - 17.1 MATHESON TILL

fine sandy silty light beige gray matrix
pebbly ~ 60/40 (MS, MV/GR)
abrupt contact with overlying clays

17.1 - 19.5 BEDROCK

bedrock is fractured, with 10-20cm intervals of sand and small pebbles, particularly 17.1-18.0
- dark grey biotite - (hornblende ?). schist (MS)

18.3 - 18.7 some of the rock is drilling to rock flour clay

18.0 - 18.7 much weathered rock, rusty schistosity planes, also minor quartz vein

- also minor sulfide throughout no reaction with HCl

EOH 19.5

Au grains		analyses of HMC (or bedrock)			
#	Form Type	Au	As		calc Au
4	A	190	42.0		138
—	—				

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 1-7 19 87 Sondage No: BOB 121 Localisation: Site 129

Géologue: AM/JW Sondeur: GWG Outil: CB 69132 Métrage: 62.5-82.0

Poste (heures) _____

_____ à _____ Sondage: 16^{00}-17^{00}

TOTAL Problèmes: _____

_____ _____

Contractant (heures) Divers: _____

_____ Déplacement sur le site suivant: 17^{00}-17^{30}

ECHELLE: 1:100 Page 2 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
1			0-3.2 Organics
2			
3			3.2-10.5 Cochrane Till
4			Medium grey sandy clay with few pebbles (interbeds)
5			
6			6.0-7.1 no return
7			7.1-9.0 light to medium grey fine medium sand, no pebbles
8			
9			9.0-10.5 clayey till
10			
11			10.5-16.5 Ojibway II ?
12			- no return
13			- grey fat clay
14			- Rare clay [illegible]

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-121

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains (sample)	analyses of RMC (or bedrock) Au	As		Au (calc) ppb
			BOB 121						
16			16.5-17.5 Matheson Till Fine sandy silty pebbly till						
17		01		9	A	180	18.0		138
18			17.5-19.5 Bedrock	—	—				
19		02 BED ROCK	17.5-18.4- Black, well foliated, fine to medium grained biotite schist (metasediments) with disseminated pyrite. Abundant quartz veins with pyrite						
20			18.4-19.4 Homogeneous biotite schist with minor quartz veins & pyrite						
			19.4-19.5 - 1-2% pyrite on fractures						
			-Non magnetic -No reaction w HCl						
			Fair drilling						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 2-07 19 87 **Sondage No:** BUR 122 **Localisation:** Stn 28

Géologue: JM/RM **Sondeur:** W/G **Outil:** CB 69133 **Métrage:** 0-22.5

Poste (heures) _____

_____ **à** _____ **Sondage:** 7^{30}-9^{45}

TOTAL **Problèmes:** 7^{15}-7^{30} cleaned up radiator

_____ 9^{45}-10^{00} cleaned up water tank

Contractant (heures) **Divers:** new bit CB 69133

_____ **Déplacement sur le site suivant:** 10^{00}-10^{15}

ECHELLE: 1:100 **Page** 1 **de** 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains type	analyses of HMC (or bedrock) Au	As		
0			0-1.0 Organic						
1			1.0-4.0 Cochrane Till						
2			First 20-30 cm pure hard grey clay - Cochrane sediments						
3			Sandy clay with few cobbles of pebbles - Softer down section						
4									
5			4.0-5.0 Ojibway II						
6		01	Grey, pure, soft clay. Gradational contact with overlying unit	1	A	381	16.0		134
7			5.0-20.4 Matheson Till						
8		02	Sharp contact with overlying unit	1	A	21	23.0		43
9		03	5.0-11.5 Pebbly & cobbly till	3	A	24900	36.0		21239
10			Fine sandy, with light grey matrix						
11		04	20/40/2 MS-MV/G/W	0	—	120	29.0		-
12		05	11.5-13 Pebbly till, fine matrix	0	—	30	12.0		-
13									
14									

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB 122

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As		
1									
2									
13		06	13-13.4 fine-medium sand with very few pebbles)						
14		MS	13.4-13.7 Till as usual	0	–	71	16.0		–
15		06	13.7-13.9 MS boulder)						
16		07	13.9-17. Pebbly till, fine matrix very fine sandy silty light grey matrix 70/30/1	0	–	48	14.0		–
17		08		0	–	22	7.8		–
18			17-18 sand						
19		09	18-19.8 till (as 13.9-17m)	0	–	47	17.0		–
20		MS 00	19.8-20 m.s. boulder) 20-20.4 Till						
21		10	20.4-22.5 Bedrock Fine grained, black, well foliated basalte schist -> metased ment	–	–				
22		BEDROCK							
23			Non magnetic						
4			Minor quartz veins at 21.2m, disseminated sulphides						
5			Carbonate, chlorite, epidote Fx						
6									
7									
8									

COGEMA CANADA LIMITEE EOH 22.5

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 2-07 1987 Sondage No: BAB-123 Localisation: pte 130

Géologue: AM/RM Sondeur: WG Outil: CB69133 Métrage: 22.5-44.8

Poste (heures)

____ à ____ Sondage: 10 hr 15 - 12 hr 00

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 12 hr - 12 hr 15

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom Type	analyses of HNC (on bedrock) Au	Ag		
0			0-1.1 Organics)						
1			1.1-8.8 Cochrane Till						
2			Medium grey sandy clay with						
3			- Getting softer down						
4									
5									
6									
7									
8			8.8-11 Ojibway II						
9			-8.8-10 no return						
10			10-11 Firm soft grey clay						
11			Abrupt contact with						
12		1	11.0-20 Mathews Till	5	A	200	11.0		284
13			Fine sandy silty light						
14			pebbly till with interbeds of fine sand with no pebbles						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

Page 2 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains		analyses of HMC/on bedrock(ppb)			
				#	dom tmpl	Au	As		
1–12									
12–13			11.0-13.5 till 13.5-14.5 fine/medium sand, no pebbles						
13–14		02	14.5-15.6 Till, dense 11.0-13.5	0	–	120	8.5		–
14–15			15.6-16.2 Fine sand to silt, no pebbles						
15–16		02	& 16.5-16.6	0	–	39	14.0		–
16–17		04	16.2-19 Light greenish grey fine sandy silty, very pebbly till	0	–	19	10.0		–
17–18		05		0	–	39	16.0		–
18–19			18.0-18.7 Fines mature						
19–20		06	19.7-20. Medium to coarse sand few pebbles	0	–	95	5.3		–
20		06/5							
	BEDROCK	07	20.0-22.3 Bedrock	–	–				
21		08	Black to dark green, well foliated biotite (hornblende ?) schist (meta-sediment ?)						
22		09	Fine to medium grained						
23			Minor quartz vein - brownish, hard, non effervescent						
4			Minor disseminated sulphides						
5			22-22.2 ~1% sulphides						
6			Sample 07 is non contaminated						
7			08 is strongly contaminated because fine bedrock						
8			09 is slightly contaminated						
			Only Sample 07 was sent to Chemex						

COGEMA CANADA LIMITEE EOH 22.3 (Doc. #0050U-A)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 2-3/07 1987 Sondage No: BOB 124 Localisation: pile 29

Géologue: AM/RM Sondeur: WG Outil: CB 69 133 / CB 69 131 Métrage: 44.8-888 / 0-0.6m

Poste (heures)

____ à ____ Sondage: 12[15] - 15[15] (2-07) 3-07 → 8[00] - 9[00]

TOTAL Problèmes: 2-07 14[15] - 15[15] pulled out changed bit ; 15[15] - 17[10] - changed blades on compressor

3-07-87 7[15] - 8[00] putting back rods in hole

Contractant (heures) Divers: new bit CB 69 131

Déplacement sur le site suivant: 9[00] - 9[45]

ECHELLE: 1:100 Page 1 de 4

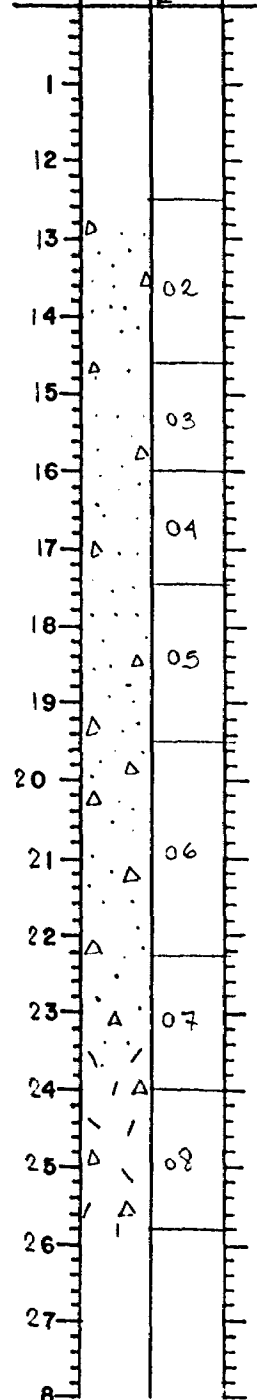
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains from tape	analyses of HMC (or bedrock) Au	As		
0			0-2? Cochrane Till Light brown sandy clay						
1									
2			2-12.5 Ojibway II						
3	?		2-5.0 a bit of clay (in pieces) nothing else						
4									
5			5.0-12.5 Very fine sand to silt No pebbles Very low returns						
6									
7									
8									
9		91							
10				0	-	47	<4.8		-
11									
12									
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB 124



DESCRIPTION	Au grains #	Au grains Form Type	analysis of HMC (on bedrock) Au	As		
12.5-36.7 Matheson Till Fine sandy silty light grey, pebbly till						
12.5-17.2 50/50/2 MS-MV/G/L	0	–	14	<4.8		–
17.2-19.5 Fine matrix, very fine sandy, silty Very few pebbles	0	–	218	<4.3		–
	0	–	34	<4.7		–
	0	–	<10	<4.6		–
19.5-23.5 Layey silty to very fine sandy silty till Very [illegible], Very few pebbles	0	–	100	12.0		–
23.5-25.8 Clay ox matrix Rare pebbles	0	–	<19	<8.9		–
	0	–	130	<8.0		–

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB 124

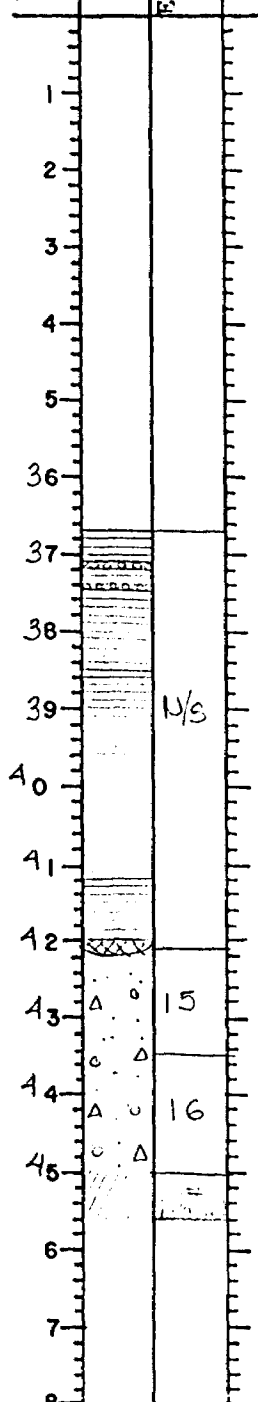
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (on bedrock) Au	As		
1									
2									
3									
4									
5									
26			25.8-32.6 Very fine sandy silty till Very few pebbles) 70/30/1						
27		9		0	-	64	<8.1		-
28		10		0	-	<19	<8.7		-
29		11		0	-	58	9.3		-
30			32.6-36.7						
31		12	Light to medium gray silty till NOT very pebbly 80/20	1	A	93	11.0		13
32									
33		13	Clay rich matrix - flakes (fairly hard)	0	-	52	19.0		-
34									
35		14	Gradational contact with [illegible]	0	-	95	12.0		-
36									
37									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB124



DESCRIPTION

36.7-42.0
Missinaibi Sediments
Ogidaway I
Medium to dark grey, pure, compact clay Getting slightly softer down hole
Few pebbles interbeds near top

42.0 -45 Lower Till
42-42.1 granite cobble
Fine sandy silty, light grey to beige pebbly till
45- changed bit

45-45.6 Bedrock?
No chips, only rock flour —
biotite schist
Very slow drilling
micaceous flour!

Bucket #1 was sampled for ...

Au grains #	Au grains dom Type	analysis of HMC (or bedrock) Au	As		
0	—	31	<9.1		—
1	A	997	30.0		915
—	—				

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 3/7 1987 Sondage No: BOB-125 Localisation: site 30

Géologue: JL/AM Sondeur: WG Outil: B000139 Métrage: 0-32.5

Poste (heures) _____

_____ à _____ Sondage: 9h45 - 13h15

TOTAL _____ Problèmes: bit plugged at bedrock, pulled rods, went back down, plugged bit again and flattened it.

Contractant (heures) _____ Divers: 4 RODS thrown out - cracks in inner tubes

_____ Déplacement sur le site suivant: to BOB-125A 5 minutes

ECHELLE: 1:100 NEWBIT B000139 Page 1 de 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
1			0 - 1.3 COCHRANE TILL light brown sandy, pebbly clay
2			1.3 - 32.2 OJIBWAY II SEDIMENTS fine sand, light brown occasional pure clay interbeds, coarse sand and gravel interbeds, and wood fragments
3			
4			
5			
6			
7		N/S	
8			
9			
10			
11			
12			
13			
14			

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-125

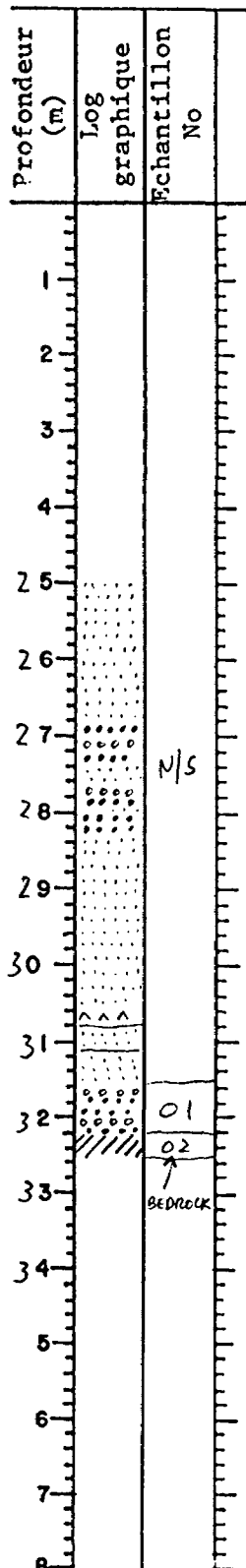
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
1			
2			
3			
14			
15			
16			
17			
18			
19		N/S	
20			light brown colour gradually becomes a little more greyish
21			
22			
23			
24			
25			
26			
27			
28			

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-125



DESCRIPTION	Au grains #	Au grains dom type	analysis of HMC (or bedrock) Au	As		
32.2 - 32.5 BEDROCK strongly contaminated a few chips of quartz-pyrite vein in dark grey metasediment interpreted to be bedrock no geochemistry sample, only a small geological sample hole stopped because bit plugged moved ~ 5m and drilled BOB-125A	3	A	2210	23.0		2725
32.5 EOH						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 3/7 1987 Sondage No: BOB-125A Localisation: site 30

Géologue: JL/AM Sondeur: WG Outil: CB69136 Métrage: 0-42.0

Poste (heures)

____ à ____ Sondage: 13h15 - 16h15

TOTAL Problèmes:

Contractant (heures) Divers: NEWBIT CB69136

Déplacement sur le site suivant: 16h15 - 16h30

ECHELLE: 1:100 Page 1 de 4

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
1			0-1.3 COCHRANE TILL
2			1.3 - 39.8 OJIBWAY II SEDIMENTS
3			fine sand, light brown occasional pure clay interbeds, coarse sand and gravel interbeds and wood fragment
4			- coarse sands and gravel at base (Missinaibi Sediments??)
5			
6			
7			
8		N/S	
9			
10			
11			
12			
13			
14			

COGEMA CANADA LIMITEE (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BoB-125A

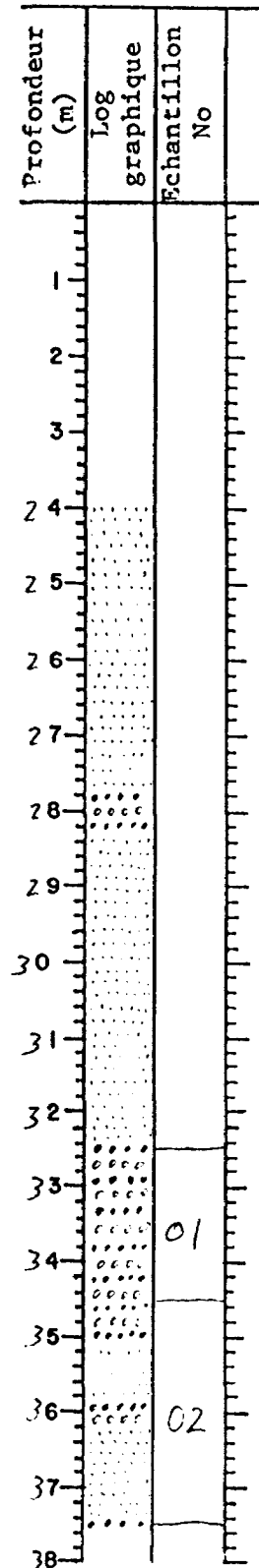
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION						
1									
2									
3									
4									
5									
6									
7									
8									
9									
20									
21									
22									
23									
24									
25									
26									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-125A



Au grains		analyses of HMC (or bedrock)			
#	dom type	Au	As		
0	–	343	<10.0		–
1	A	929	<9.8		450

COGEMA CANADA LIMITEE

(Doc. #0050U-A)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-125A

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analysis of HMC (or bedrock) Au	As		
1									
2									
3									
4									
5									
36									
37									
38		03		1	A	140	<9.5		76
39			39.8-42.0 BEDROCK						
40			dark grey biotite (garnet?) schist with more or less abundant quartz veining and pyrite (in quartz and in metasediment)						
41		04 BEDROCK		-	-				
42			some contamination but this is mostly sand falling through 10mesh screen						
43			bit plugged again and chip return poor						
4			no geochem sample, geological sample (chips) only.						
5									
6									
7									
8			EOH 42.0						

B U R N T B U S H   R I V E R   P R O J E C T

LOG SONDAGE, CIRCULATION INVERSE

DATE 3-4/07 19 [illegible]   Sondage No: BOB 126   Localisation: S [illegible] 31

Géologue: AM/JL [illegible]   Sondeur: [illegible]   Outil: [illegible]   Métrage: [illegible]

Poste (heures)

____ à ____   Sondage: [illegible] [illegible] 30

TOTAL   Problèmes: [illegible] [illegible] [illegible] drill

Contractant (heures)   Divers:

Déplacement sur le site suivant: 11h 30 - 11h 45

ECHELLE: 1:100   Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
0–5			0-0.2 Organic [illegible]
			0.2-5.0 [illegible]
			[illegible] [illegible]
			clay with few pebbles)
			2-2.4 m } [illegible]
			3.2-4.0 }
			medium grey [illegible]
6		1/15	5.0-13.5 [illegible] II
			5-7.5 [illegible]
			[illegible]
			7.5-9.0 [illegible]
			9.0-13.5 Medium to dark grey soft pure clay with few sand and [illegible]

COGEMA CANADA LIMITEE   (Doc. #0050U)

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BBR-126

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	Analyses of HMC (or bedrock) Au	As		
1									
2									
13									
14		01	13.5-20.8 Matheson Till light grey [illegible] silty [illegible]	1	A	130	17.0		65
15									
16		02	13.5-17.0 50/50/2 MS-MV/G/L	0	—	82	27.0		—
17									
18		03	17.0-20 Till with [illegible] sand [illegible]	1	A	<11	17.0		11
19			20-20.8 - [illegible]						
20		04	20.8-21.7 Matawaki [illegible]	1	A	100	21.0		130
21			Dark green to grey [illegible] Pink [illegible] "Superclan" Slow [illegible] Little pyrite [illegible]						
22									
23									
24									
25									
26									
27									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOP 136

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains type	Analyses of HMC (in bold: ...) Au	As	Cu	
1									
2									
3									
4									
5									
6									
27			28.5-31.5 Faster drilling clay a little softer						
28									
29									
30			31.7-32.4 Lower Till Light grey [illegible] 8920						
31									
32			32.1-32.4 [illegible]	0	—	37	55.4	500	—
33			32.4-34.5 Bedrock						
4			[illegible] (Mica)	—	—				
5			[illegible]						
6			Contamination [illegible] pampers						
7			#1 bucket [illegible]						
8									

EOH 34.5

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 4/7 19 87 Sondage No: BOB-127 Localisation: site 32

Géologue: JL/RM Sondeur: WG Outil: CB69135 Métrage: 0-40.0

Poste (heures) _____

_____ à _____ Sondage: 11h45 - 16h30

TOTAL Problèmes: pull rods to unplug bit 14h - 15h, work on hydraulic hose

_____ _____

Contractant (heures) Divers: Nt W BIT CB69135

_____ Déplacement sur le site suivant: 16h30 - 16h45

ECHELLE: 1:100 Page 1 de 4

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains type	analyses of HMC (or bedrock) Au	As		calc Mt
0			0-1.5 COCHRANE TILL light brown sandy clay, pebbles						
			1.5 - 38.5 MATHESON TILL fine sandy, silty light beige grey matrix pebbly ~40/60/1 (MS, MV/GR/LS)						
1									
2		01							
		N/S							
3			2.5 - 2.7 grey and green metagabbro boulder 2.8 - 3.0 dark grey MS boulder						
4		01		0	-	50	<8.6		-
5			sample 01 → low return.						
6									
7		02		0	-	100	<8.9		-
8									
		03		0	-	38	<8.6		-
9			9.2 - 9.4 pink GR boulder						
		N/S							
10		04		0	-	46	11.0		-
11									
		05		1	A	110	22.0		24
12									
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BoB-127

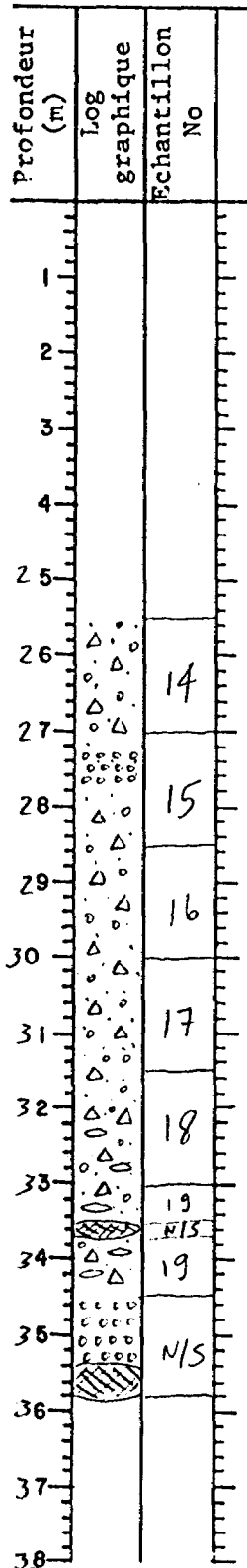
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grams #	Au grams dom type	analyses of HNC (on bedrock) Au	As		
1									
12									
13		06	13.0-14.5 pebbles are ~5% limestone	1	A	31	26.0		21
14									
15		07		0	–	84	19.0		–
16		08		0	–	51	10.0		–
17			17.7-19.4 fine sandy silty till only a few pebbles						
18		09		1	A	190	13.0		252
19		10		0	–	<18	<8.8		–
20			20.5-21.7 fine sand section						
21		11		1	A	89	<9.9		6
22									
23		12		0	–	25	15.0		–
24			23.0-25.0 fine sandy silty till only a few pebbles						
25		13		0	–	<16	20.0		–
26									
27									
28									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-127



DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (or bedrock) Au	As		
	0	–	<20	14.0		–
27.2 - 27.7 thin very pebbly or gravel section	0	–	<18	26.0		–
pebble proportions now ~ 50/50/1	7	–	150	22.0		206
32.0 - 34.5 cobbly till pebble/cobbles ~ 60/40	0	–	<17	17.0		–
33.5 - 33.7 grey MS boulder	1	A	274	22.0		94
34.5 - 35.4 very clean gravel ~ 60/40/1 no matrix	0	–	39	30.0		–
35.4 - 35.8 green and white coarse grained metagabbro boulder						

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-127

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grams #	Au grams type	analyses of HMC (on bedrock) Au	As		calc Mb
1									
2									
3									
4									
35									
36			35.8 - 37.5 clean gravel interbedded with coarse sand						
37		20	37.5 - 38.5 unsorted matrix with pebble chips - looks like till again	1	A	110	380		13
38									
39		N/S	38.5 - 40.0 BEDROCK						
40		21 BEDROCK	bedrock drills to clay with numerous small chips	-	-				
41			bedrock is very fine grained black argillite, v. minor sulfide no reaction with HCl						
42			bit plugged at 40m → EOH						
43									
44									
45			40.0 EOH						
46									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 5/7 1987 Sondage No: BOB-128 Localisation: site 33

Géologue: AM/RM Sondeur: W6 Outil: CB69125 Métrage: 0-33.0

Poste (heures)

____ à ____ Sondage: 9h45 - 12h45

TOTAL Problèmes: 7h-9h45 change head swivel, check rods

_____ clean water tanks at EOH

Contractant (heures) Divers: NEW BIT CB69125 NEW BIT SUB

_____ Déplacement sur le site suivant: 12h45 - 13h15

ECHELLE: 1:100 Page 1 de 3

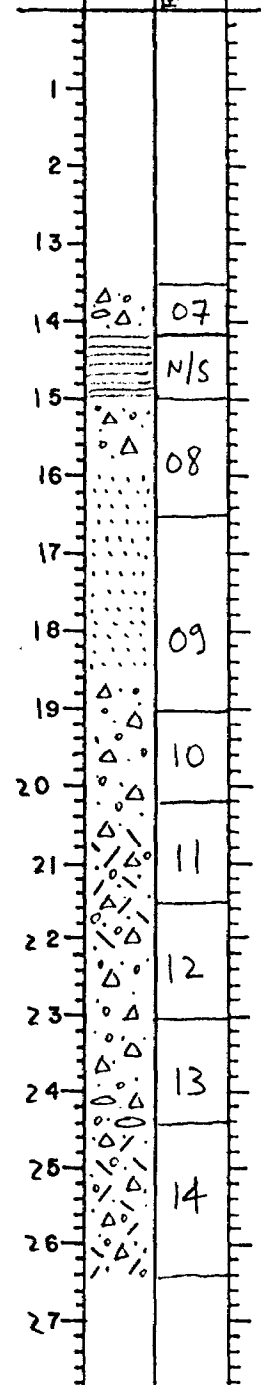
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	Analyse of HMC (on bedrock) Au	As		
1			0 - 0.8 ORGANICS						
			0.8 - 2.6 COCHRANE TILL						
2			medium grey sandy clay						
			2.6 - 3.6 OJIBWAY II SEDIMENTS						
3			clean gravel, no matrix						
			slow drilling						
4			3.6 - 26.4 MATHESON TILL						
5		01	3.6 - 3.8 granite boulder	4	A	485	23.0		643
6			light grey fine sandy silty matrix						
		02	pebbly till, commonly cobbly till	1	A	56	17.0		25
7			60/40/2 (MS, MV/GR/LS)						
8		03	locally clay in matrix	0	-	91	17.0		-
9									
		04		5	A	345	15.0		199
10									
11		05	pebbles now ~70/30/1	0	-	<16	<8.5		-
12									
		06		0	-	23	19.0		-
13									
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-128



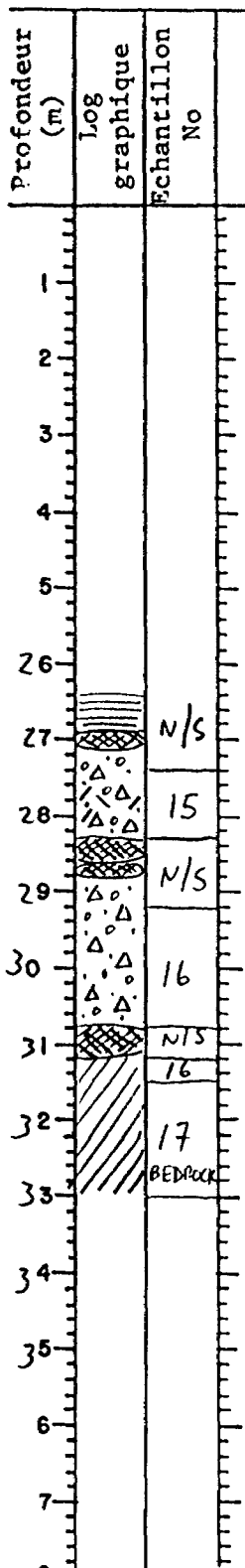
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au visible ±	Au visible type	Analysis of HMC (or bedrock) Au	As		calc Mt
14		07	14.2 - 15.0 clay - pure? hard rip up clast?	0	-	<17	16.0		-
15		N/S							
16		08	16.0 - 18.5 sand, rare pebbles	0	-	<15	11.0		-
17									
18		09		0	-	52	13.0		-
19									
20		10		0	-	75	24.0		-
21		11		0	-	33	26.0		-
22		12	pebbles now ~ 90/10/1	1	A	120	47.0		283
23									
24		13		0	-	35	27.0		-
25									
26		14		0	-	110	<9.3		-
27									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BoB-128



DESCRIPTION	Au grains #	Au grains dom type	analysis of HMC (or bedrock) Au	As		
26.4 - 26.9 MISSINAIBI SEDIMENTS OJIBWAY I clay member hard, pure clay						
26.9 - 31.2 LOWER TILL light grey fine sandy silty matrix pebbly 70/30 locally clay in matrix	0	-	33	12.0		-
31.2 - 31.5 probably bedrock drilling to clay but originally thought to be clayey till	1	A	71	36.0		29
26.9 - 27.1 granite boulder 28.3 - 28.6 granite boulder 28.6 - 28.8 metavolcanic boulder 30.8 - 31.2 granite boulder	-	-				
31.2 - 33.0 BEDROCK bedrock drills to clay with a few chips moderate contamination from above → black, fine grained biotite schist with disseminated sulfides abundant quartz veining						

EOH 33.0

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 5/7 1987 Sondage No: BOB-129 Localisation: site 34

Géologue: AM/RM Sondeur: WG Outil: CB69125 Métrage: 33.0-69.2

Poste (heures)

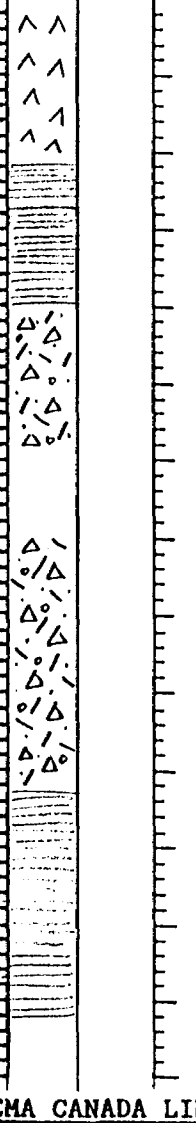
____ à ____ Sondage: 13h15-15h45

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant: 15h45-16h

ECHELLE: 1:100 Page 1 de 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION
1–14			0-2.2 ORGANICS 2.2-10.3 COCHRANE TILL/SEDIMENTS 2.2-4.0 pure grey clay is hard but becomes soft downsection 4.0-10.3 COCHRANE TILL 6.0-7.0 no return - water seam 10.3-16.2 OJIBWAY II SEDIMENTS pure clay, soft

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-129

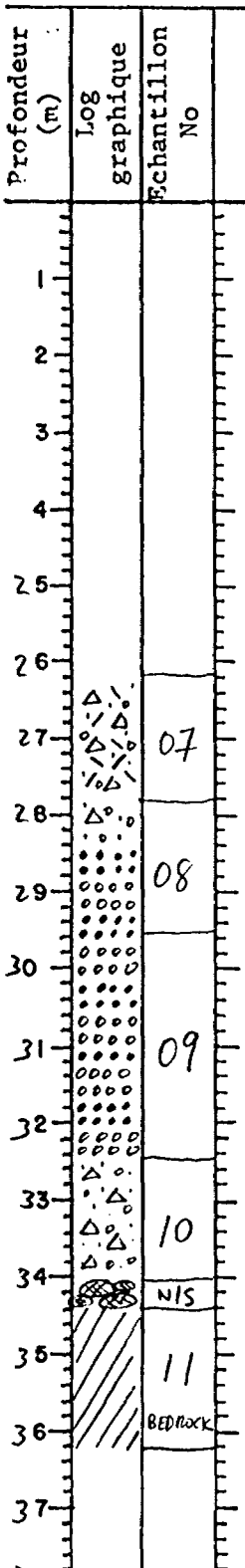
Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains form type	analyses of HMC (on bedrock) Au	As		calc Hb
16			16.2 - 28.5 MATHESON TILL						
17		01	light grey fine sandy silty matrix locally very fine matrix pebbly 70/30/1 (MS, MV/OR/CS)	0	—	100	14.0		—
18		02	sample 02 contains 10 cm MS boulder	1	A	214	14.0		54
19		03		0	—	120	36.0		—
20		04		1	A	439	25.0		670
21		N/S	21.9 - 22.3 granite boulder						
22		04	22.6 - 22.7 hard clay?						
23		05	22.7 - 24.5 mostly fine sand with clay, very few pebbles	0	—	160	28.0		—
24			24.5 - 27.8 clay in matrix						
25		06		0	—	47	12.0		—
26									
27									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-129



DESCRIPTION	Au grains #	Au grains dom Type	analyses / INAC (oi bedrock) Au	As		
27.8 - 28.5 pebbly till 70/30/1	0	-	52	18.0		-
28.5 - 32.3 MISSINAIBI SEDIMENTS interbedded medium to coarse sands and gravel. high return	1	A	270	14.0		152
	0	-	57	21.0		-
32.3 - 34.4 LOWER TILL Fine sandy [illegible]						
34.0 - 34.4 MV, GR. MS cobbles, no matrix	6	A	284	154.0		575
34.4 - 36.2 BEDROCK black biotite schist (metasediment) drilling to grey clay considerable contamination from above first 10cm abundant disseminated sulfides very slow drilling - high torque on rods	-	-				

EOH 36.2

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 5/7 1987 Sondage No: BoB-130 Localisation: site 35

Géologue: AM/RM Sondeur: GWL Outil: CB69134 Métrage: 0-28.5

Poste (heures)

____ à ____ Sondage: 16h - 18h30

TOTAL Problèmes:

Contractant (heures) Divers: NEW B/T CB69134

Déplacement sur le site suivant: 6/7 → 7h → 16h30 (long move/crossing)

ECHELLE: 1:100 Page 1 de 3

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of INC (in bedrock) Au	As		
			0-1.2 ORGANICS						
			1.2-5.0 COCHRANE TILL/SEDIMENTS						
			1.2-1.7 pure soft grey clay						
			1.7-5.0 grey soft sandy clay						
			5.0-10.4 OJIBWAY II SEDIMENTS						
			5.0-7.5 no return, very fast drilling						
			7.5-10.4 pure soft grey clay pebble interbeds						
			10.4-26.9 MATHESON TILL						
			abrupt contact with overlying clays						
			fine sandy silty light grey matrix						
		01	10.4-14.4 very pebbly till ~50/50/2	1	A	594	19.0		435
		02		0	-	<19	15.0		-

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-130

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses DDH (on bedrock) Au	As		
1									
2									
13									
14		03		0	–	534	16.0		–
15									
16		04		0	–	43	12.0		–
17		05		0	–	52	26.0		–
18									
19		06	pebbles now ~ 70/30/1	1	A	<17	12.0		20
20									
21		07		0	–	53	<10.0		–
22									
23		08		0	–	54	17.0		–
24		09		0	–	110	49.0		–
25			pebbles now ~ 80/20						
26		10		0	–	94	77.4		–
27									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BOB-130

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	analyses of HMC (on bedrock) Au	As		
1									
2									
3									
4									
5									
6									
7			26.9-28.5 BEDROCK						
8		11 BEDROCK	black to dark grey biotite schist slightly silicified at top disseminated sulfides	–	–				
9			27.3-27.4 quartz veining also → 1cm chloritized biotite flakes interbedded with very fine grained felsic material - silicified ?						
0			27.5-27.6 ~1% pyrite 27.6 disseminated sulfides 28.0 minor quartz vein after 28.1 softer rock black to dark green slight chloritization disseminated sulfides						
1									
2									
3									
4									
5									
6			EOH 28.5						
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 7-07 19 87 Sondage No: BOB 131 Localisation: site 134

Géologue: AM/RM Sondeur: WG Outil: CB 69134 Métrage: 23.5-96

Poste (heures)

____ à ____ Sondage: 9^00 - 11^30

TOTAL Problèmes:

_____ 8^15 - 9^00 ready to drill, no water

Contractant (heures) Divers: 7h15 - 8h15 cut around site

_____ Déplacement sur le site suivant: 11^30 - 12^00

ECHELLE: 1:100 Page 1 de 2

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom. type	Analyses of HMC (on bedrock) Au	As		
0			0-0.8 Organics						
1			.8-1.6 Cochrane Till Light brown sandy clay						
2									
3		01	1.6-2.1 Ojibway II Light brown pure soft clay	4	A	537	<12.0		520
4		02 / 03	2.1-15.5 Matheson Till						
5		02	Light beige to grey fine sandy silty pebbly till 40/60/2	1	A	<21	<12.0		3
6									
7		03	4.2-4.4 granite boulder	2	A	61	<12.0		76
8									
		04 / 05	5.5-7.6 Cobbly till 7.6-8.3 clayey till						
9									
10		04	8.3-8.7 Pure hard grey clay not ojibway I	1	A	58	<13.0		16
11		05	8.7-13.0 Cobbly till	0	—	50	<10.0		—
12									
13		06	13.0-15.5 Clayey till Locally cobbly	0	—	<40	<22.0		—
14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains dom type	Au ppb	As ppm		
1									
2									
13									
14		07	15.5-16.2 Miscanabi Sediments Pure hard greenish grey clay	0	–	49	62.0		–
15									
16		N/S							
		08	16.2-17.5 Bedrock	–	–				
17		09	16.2-16.8 Fine grained, black to dark green, massive looking metagabbro? Non magnetic, Strong reaction with HCl (abondant cc veining) ~1% sulphides epidote 16.5-16.8 - Very slow drilling	–	–				
18			16.8-17.5 - Faster drilling - no more calcite veining - more sulphides - rock looks much more like metasediment ??						
9									
0									
1									
2									
3									
4									
5									
6									
7									
8									

Comment: OI 8.3-8.7?
bedrock 15.5-16.2?

EOH 17.5

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 7-07 1987 Sondage No: BBR 132 Localisation: SUL 133

Géologue: AM/FM Sondeur: WG Outil: CB69126 Métrage: 0-150

Poste (heures)

____ à ____ Sondage: 12^{00} - 13^{00}

TOTAL Problèmes:

Contractant (heures) Divers: new bit CB69126 [illegible]

Déplacement sur le site suivant: 13^{00} - 13^{15}

ECHELLE: 1:100

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains: [illegible]	Au grains: dont [illegible]	[illegible] HMC (in bedrock): Au	As		calc ppb
0–2			0-0.5 Organic 0.5-2.0 Cochrane Till light brown sandy clay						
2–4		01	2.0-13.4 Matheson Till light beige sandy [illegible] matrix 2.0-3.? pebbly till 30/70 [illegible]	0	-	27	<9.1		-
4–6		02		1	A	378	<8.4		208
6–7.5		03		6	A	160	<12.0		190
7.5–9		04	8.3-13.4 [illegible] 60/40 [illegible] MS-M/GR [illegible]	1	A	66	<12.0		643
9–10.5		05		1	A	1420	15.0		2608
10.5–12		06		0	-	39	13.0		-
12–13.4		07		0	-	50	<12.0		-
13.4–14									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

ECHELLE: 1:100

BRB 132

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Du grains #	Du grains from sup²	analyses Au	analyses As		
1									
2									
13									
14		[illegible]	13.4-15.0 Bedrock [illegible]	—	—				
15		[illegible]	[illegible]	—	—				
16			[illegible]						
17			[illegible]						
18			18.2-18.0 [illegible]						
9			[illegible]						
0									
1									
2									
3									
4									
5									
6									
7									
8									

BURNTBUSH RIVER PROJECT

LOG SONDAGE, CIRCULATION INVERSE

DATE 7-9 1987 Sondage No: BOB 132 Localisation: Site 132

Géologue: AM/RM Sondeur: WG Outil: CB69126 Métrage: 15-262

Poste (heures)

____ à ____ Sondage: 13[15] - 14[45]

TOTAL Problèmes:

Contractant (heures) Divers:

Déplacement sur le site suivant:

ECHELLE: 1:100 Page 1 de 1

Profondeur (m)	Log graphique	Echantillon No	DESCRIPTION	Au grains #	Au grains fraction	HMC (carbonate) Au	HMC (carbonate) As		
1			0-1.5 Organics						
2			1.5-5.1 Cochrane Till Light [illegible] sandy clay, few pebbles unlithified						
3			4.4-4.8 sand & gravels						
4			4.8-5.1 sandy clay						
5			5.1-8.8 Ojibway II Firm soft grey clay						
6									
7			8.8-9.9 Matheson Till Light grey [illegible] sandy silty pebbly till						
8									
9		01	9.9-11.2 Very slow drilling Black massive, fine grained metavolcanics	1	A	120	10.0		12
10		02		–	–				
11			10.2-10.3 Abundant quartz veining cc fx Accumulated amphibole						
12			10.5- rock looks roughly massive dark green Minor amphibole fx, minor amphibole						
13									
14			11.0- Black, massive, non-magnetic MS EOH 11.2 [illegible] HCl						

63.5467

040

COGEMA CANADA LIMITED
BURNTBUSH RIVER PROJECT

FINAL REPORT - 1987
"REVERSE CIRCULATION DRILLING"

VOLUME 3 of 3

OM86-6-C-205

Ref. No. 87-CND-47-04
(Doc. #0076U)

By: J. Learn
January 1988

LIST OF APPENDICES

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Appendix I : Drilling Summary and Field Logging Sheets

VOLUME 3 of 3:

Appendix II : ODM Overburden Sample Treatment and Results

Appendix III : Chimitec HMC Sample Treatment and Results

Appendix IV : Bedrock Chip Descriptions and Chemistry Results

A P P E N D I X II

ODM OVERBURDEN SAMPLE TREATMENT AND RESULTS

- Full listing of results from OVERBURDEN DRILLING MANAGEMENT LTD
- Treatment of Samples
- Laboratory Sample Logs
- Gold Classifications

Note: SAMPLES BOB-01-01 to BOB-95-05
treated at Nepean Lab
SAMPLES BOB-96-01 to BOB-133-01
treated at Rouyn Lab

Ref. No. 87-CND-47-04
(Doc. #0076U)

Compiled by: J. Learn
January 1988

APPENDIX II

TREATMENT OF OVERBURDEN SAMPLES

Overburden samples were first sent to OVERBURDEN DRILLING MANAGEMENT Ltd for preliminary treatment. This laboratory has a specialized capacity to prepare heavy mineral concentrates, and at the same time check for visible gold grains in the samples.

A flow chart supplied to us by them is reproduced in Figure 6-1 and is described below:

1) The sample taken in the field generally weighs 8 to 10 kg.

2) First, ~250 g is removed and stored, as a representative sample of the original.

3) Next the sample is wet sieved to remove all of the +10 mesh (1700 m) pebble and cobble chips. The relative amounts of metavolcanic and metasedimentary, granitoid and limestone clasts are recorded, as well as the dominant clast size, which is estimated by the proportion of rounded (i.e. worn) surfaces. This part of the sample is then discarded.

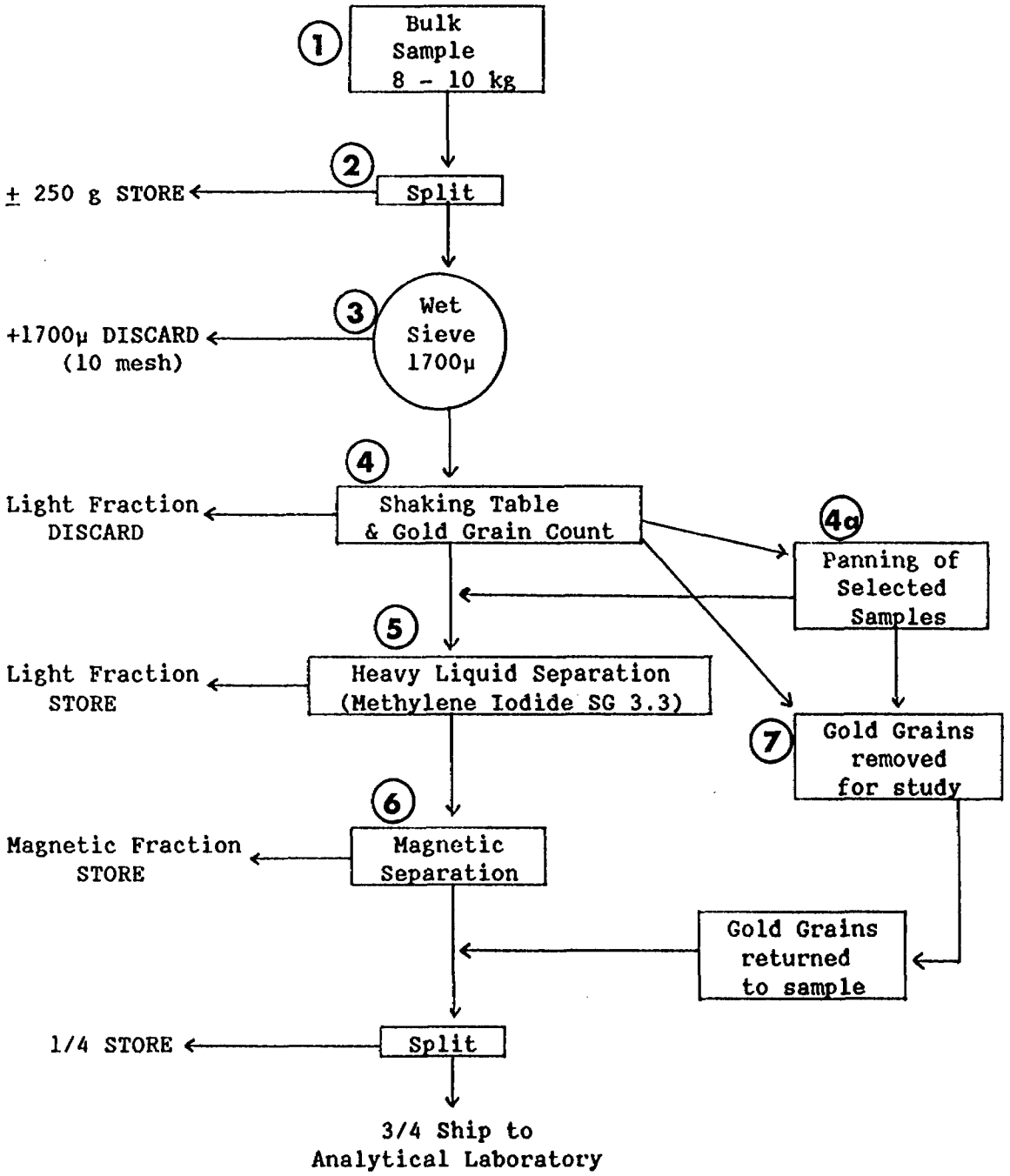
4) The remainder of the sample, generally 7 to 9 kg, is then fed onto a vibrating table, which is the first step in the preparation of the heavy mineral concentrate. As the sample feeds down the table, the heavy minerals are closely watched, and any visible gold grains are removed and set aside. The light fraction is also observed, and parameters such as grain size, sorting and colour are noted.

   The light fraction is then discarded, and at this point, the sample weight is greatly reduced (eg to ~200 g).

4A) In the event that 2 or more gold grains are found, or if there are significant sulfides which might be concealing gold grains, the sample is subjected to a refined panning process to test for additional (smaller) gold particles. Any grains found during this step are also set aside. For most samples, though, this step is bypassed.

5) The sample then undergoes a heavy liquid separation using methylene iodide (S.G. = 3.3). This further reduces the sample weight, generally to ~30 g. The light fraction is stored.

SAMPLE PROCESSING FLOW SHEET



6) The last step in the preparatory process removes magnetic minerals and drill steel from the sample. This fraction is also stored.

7) Each gold grain detected in steps 4 and 4A is individually studied (see below) and then returned to the non-magnetic heavy mineral fraction (generally ~20 g). This fraction is then split, ~75% is sent to CHIMITEC Ltée for analysis, and ~25% is stored as a representative sample.

Individual gold grains are studied in the following manner:

i) they are classed as abraded, irregular or delicate, which is an effort to estimate the distance of transport;

ii) their dimensions are measured. From this, the estimated gold concentration due to the grain(s) for the heavy mineral concentrate is calculated. This helps to establish whether there is any nugget effect in the CHIMITEC analysis;

CHIMITEC Ltée then receives the heavy mineral concentrate (non-magnetic fraction) and analyzes for Au and 33 other elements by neutron activation.

OVERBURDEN DRILLING MANAGEMENT LIMITED -- LABORATORY SAMPLE LOG

ABBREVIATIONS

CLAST:

SIZE OF CLAST:

G:	GRANULES
P:	PEBBLES
C:	COBBLES
BL:	BOULDER CHIPS
BK:	BEDROCK CHIPS

% CLAST COMPOSITION

V/S	VOLCANICS AND SEDIMENTS
GR	GRANITICS
LS	LIMESTONE
OT	OTHER LITHOLOGIES (REFER TO FOOTNOTES BELOW)
TR	ONLY TRACE PRESENT
NA	NOT APPLICABLE

MATRIX:

S/U	SORTED OR UNSORTED				
SD	SAND	Y	YES FRACTION PRESENT	F:	FINE
ST	SILT	N	FRACTION NOT PRESENT	M:	MEDIUM
CY	CLAY			C:	COARSE

COLOR:

B:	BEIGE
GY:	GREY
GB:	GREY BEIGE
GN:	GREEN
GG:	GREY GREEN
BN:	BROWN
BK:	BLACK
OC:	OCHRE
PK:	PINK
OE:	ORANGE

DESCRIPTION:

BLD:	BOULDER CHIPS
BDK:	BEDROCK CHIPS

FOOTNOTES:

A GRITTY CLAY LUMPS PRESENT

B SMOOTH CLAY LUMPS PRESENT

C ORGANICS PRESENT

D SAMPLE HIGHLY OXIDIZED

ABBREVIATIONS

NUMBER OF GRAINS:

T: NUMBER FOUND ON SHAKING TABLE
P: NUMBER FOUND AFTER PANNING

THICKNESS:

C: CALCULATED THICKNESS OF GRAIN
M: ACTUAL MEASURED THICKNESS OF GRAIN

cobo1mar.wr1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 24

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)						AU	DESCRIPTION											CLASS
						M. I. CONC					CLAST					MATRIX						
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																						
01-01	8.8	0.5	8.3	208.4	179.2	29.2	18.7	10.5	1	11628	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-02	7.8	0.7	7.1	173.7	147.3	26.4	16.7	9.7	1	683	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-03	8.3	1.0	7.3	157.3	127.0	30.3	19.0	11.3	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-04	8.2	0.4	7.8	131.1	100.3	30.8	19.0	11.8	0	NA	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-05	4.5	0.9	3.6	99.1	80.5	18.6	12.6	6.0	0	NA	P,C	90	10	NA	B	U	Y	Y	Y	GB	GB	TILL
-06	8.9	1.0	7.9	183.9	143.6	40.3	27.7	12.6	0	NA	P,C	85	15	NA	B	U	Y	Y	Y	GB	GB	TILL
-07	8.3	1.2	7.1	160.8	125.4	35.4	22.9	12.5	0	NA	P	85	14	1	NA	U	Y	Y	Y	GB	GB	TILL
-08	7.8	0.5	7.3	132.4	106.5	25.9	17.5	8.4	0	NA	P,C	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	5.3	0.5	4.8	141.6	115.7	25.9	18.4	7.5	0	NA	P,BK	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
02-01	8.3	0.6	7.7	160.7	125.7	35.0	22.5	12.5	0	NA	P	69	30	1	NA	U	Y	Y	Y	B	B	TILL
-02	9.2	0.8	8.4	157.9	120.4	37.5	24.6	12.9	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-03	9.8	0.8	9.0	184.7	144.8	39.9	25.6	14.3	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-04	9.9	1.0	8.9	190.1	146.6	43.5	26.1	17.4	0	NA	P	80	20	TR	NA	U	Y	Y	Y	B	B	TILL
-05	4.5	0.2	4.3	140.9	123.7	17.2	13.1	4.1	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-06	9.9	0.1	9.8	187.3	155.0	32.3	20.7	11.6	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-07	8.6	1.6	7.0	160.4	131.2	29.2	19.8	9.4	0	NA	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-08	7.4	1.0	6.4	166.4	144.2	22.2	14.3	7.9	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	9.5	1.2	8.3	186.1	157.8	28.3	18.0	10.3	1	2539	P	90	10	TR	NA	U	Y	Y	Y	GB	GB	TILL
-10	6.6	0.6	6.0	198.9	181.3	17.6	11.8	5.8	0	NA	P	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL
03-01	9.9	0.8	9.1	202.2	174.8	27.4	14.7	12.7	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-02	10.0	1.0	9.0	179.2	150.8	28.4	16.9	11.5	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-03	7.2	0.9	6.3	136.4	114.6	21.8	12.4	9.4	0	NA	P	35	65	NA	NA	U	Y	Y	Y	B	B	TILL
-04	9.3	1.0	8.3	164.2	134.5	29.7	18.0	11.7	0	NA	P	40	60	TR	NA	U	Y	Y	Y	B	B	TILL
03-05	9.5	0.8	8.7	174.4	131.0	43.4	16.7	26.7	0	NA	P	88	10	2	NA	U	Y	Y	Y	GB	GB	TILL

cobo2mar.wr1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 34

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)						AU	DESCRIPTION										CLASS
						M. I. CONC					CLAST					MATRIX					
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
B08-87																					
03-06	8.4	0.8	7.6	162.8	139.9	22.9	14.3	8.6	0	NA	P	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL
-07	6.7	0.8	5.9	128.9	107.0	21.9	14.0	7.9	0	NA	P,BK	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL&BDK
04-01	9.3	3.0	6.3	147.6	115.9	31.7	18.2	13.5	0	NA	P	75	25	TR	NA	U	Y	Y	Y	GB	GB	TILL
-02	8.4	1.0	7.4	149.3	125.6	23.7	15.3	8.4	0	NA	P	84	15	1	NA	U	Y	Y	Y	GB	GB	TILL
-03	8.8	0.8	8.0	111.6	92.1	19.5	13.1	6.4	1	4296	P	80	20	NA	A	U	Y	Y	Y	GB	GB	TILL
-04	9.9	0.8	9.1	115.2	94.5	20.7	13.1	7.6	0	NA	P	20	80	NA	A	U	Y	Y	Y	GB	GB	TILL&BDK
05-01	9.6	1.5	8.1	97.1	71.5	25.6	16.2	9.4	0	NA	P,C	75	25	NA	A	U	Y	Y	Y	B	B	TILL
-02	8.7	2.0	6.7	109.4	82.2	27.2	17.2	10.0	0	NA	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-03	8.5	1.2	7.3	76.2	51.6	24.6	16.1	8.5	1	481	P	89	10	1	NA	U	Y	Y	Y	B	B	TILL
-04	9.2	1.8	7.4	110.4	82.2	28.2	17.0	11.2	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	B	TILL
-05	9.8	1.5	8.3	135.3	108.6	26.7	15.7	11.0	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	B	TILL
-06	6.8	0.8	6.0	147.5	130.7	16.8	10.8	6.0	0	NA	P	80	20	NA	A	U	Y	Y	Y	GB	GY	TILL
06-01	9.8	3.0	6.8	325.8	293.5	32.3	20.5	11.8	0	NA	P	70	30	NA	NA	U	Y	Y	N	GB	N	TILL
-02	9.6	2.4	7.2	346.2	303.8	42.4	27.0	15.4	2	2877	P	80	20	NA	NA	U	Y	Y	Y	GB	GY	TILL
07-01	8.5	1.6	6.9	122.4	96.3	26.1	14.6	11.5	1	198	P	60	40	NA	NA	U	Y	Y	N	B	N	TILL
-02	8.9	1.0	7.9	116.5	88.1	28.4	16.8	11.6	1	38	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-03	9.7	1.8	7.9	189.4	158.8	30.6	17.6	13.0	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	8.9	1.0	7.9	124.1	101.3	22.8	13.5	9.3	2	580	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.4	1.9	7.5	152.9	117.9	35.0	20.0	15.0	0	NA	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.4	2.1	7.3	290.2	254.5	35.7	21.5	14.2	0	NA	C	60	40	TR	NA	U	Y	Y	N	GB	N	TILL
-07	9.7	2.1	7.6	188.1	160.1	28.0	16.3	11.7	1	7362	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
08-01	8.7	0.4	8.3	98.1	76.0	22.1	15.5	6.6	0	NA	C	55	45	NA	NA	U	Y	Y	Y	B	B	TILL
-02	7.6	0.2	7.4	100.3	78.1	22.2	16.0	6.2	0	NA	BK	100	NA	NA	NA	U	Y	Y	Y	B	B	TILL&BDK
09-01	8.8	0.7	8.1	189.2	157.7	31.5	20.1	11.4	0	NA	C	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-02	9.3	1.6	7.7	150.5	113.6	36.9	22.3	14.6	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-03	9.0	1.0	8.0	141.9	107.2	34.7	21.7	13.0	0	NA	P	65	35	NA	NA	U	Y	Y	Y	B	B	TILL
-04	9.2	0.6	8.6	158.6	127.6	31.0	19.2	11.8	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-05	7.8	0.6	7.2	128.6	97.9	30.7	20.2	10.5	0	NA	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-06	8.9	1.7	7.2	159.6	126.3	33.3	22.2	11.1	0	NA	P	80	20	TR	NA	U	Y	Y	Y	B	B	TILL
-07	9.4	2.0	7.4	170.9	139.6	31.3	20.0	11.3	1	75	P	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.2	0.4	8.8	123.0	94.9	28.1	16.6	11.5	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	9.4	1.3	8.1	118.6	94.6	24.0	13.5	10.5	0	NA	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	5.3	0.3	5.0	73.1	56.5	16.6	11.0	5.6	0	NA	P	80	20	NA	A	U	Y	Y	Y	GB	GB	TILL
10-01	8.7	1.4	7.3	126.0	95.7	30.3	16.5	13.8	0	NA	P	55	40	5	NA	U	Y	Y	Y	GB	GB	TILL

3

COB03MAR.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION									CLASS
						M. I. CONC					CLAST				MATRIX					
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
10-02	9.3	1.2	8.1	81.7	54.2	27.5	17.1	10.4	0	NA	P	45	50	5	NA	U	Y	Y	Y	GB	GB	TILL
-03	8.3	0.6	7.7	108.8	82.5	26.3	16.3	10.0	0	NA	P	40	50	10	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.6	1.0	8.6	103.7	76.8	26.9	16.9	10.0	1	171	P	30	60	10	NA	U	Y	Y	Y	GB	GB	TILL
11-01	8.2	0.7	7.5	99.1	73.9	25.2	15.6	9.6	0	NA	P	60	40	TR	A	U	Y	Y	Y	GB	GB	TILL
12-01	9.7	0.8	8.9	122.6	90.1	32.5	20.5	12.0	7	1373	P	65	35	TR	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.0	0.5	8.5	119.0	87.9	31.1	19.8	11.3	0	NA	P	50	50	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.2	0.6	8.6	102.2	67.2	35.0	22.9	12.1	1	498	P	50	50	TR	NA	U	Y	Y	Y	GB	GB	TILL
-04	8.9	0.7	8.2	104.1	74.4	29.7	20.2	9.5	0	NA	C	55	45	TR	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.1	0.1	9.0	113.8	89.3	24.5	15.8	8.7	0	NA	C	55	45	TR	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.7	0.6	9.1	185.4	161.6	23.8	13.8	10.0	0	NA	C	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	8.4	1.0	7.4	117.6	93.2	24.4	15.8	8.6	0	NA	C,BL	70	30	TR	NA	U	Y	Y	Y	GB	GB	TILL
-08	8.8	0.5	8.3	166.8	131.5	35.3	23.8	11.5	0	NA	P,BL	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL
-09	9.1	1.1	8.0	243.6	193.4	50.2	29.4	20.8	8	3260	C	55	45	TR	A	U	Y	Y	Y	GB	GB	TILL
-10	8.8	0.8	8.0	135.8	102.9	32.9	21.9	11.0	0	NA	P	60	40	TR	A	U	Y	Y	Y	GB	GB	TILL
-11	9.1	0.4	8.7	158.2	124.1	34.1	24.1	10.0	2	23	C	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.2	1.5	7.7	289.3	235.8	53.5	30.4	23.1	19	7568	P,BL	55	45	TR	NA	U	Y	Y	Y	GB	GB	TILL&BLD
-13	9.2	1.2	8.0	203.9	166.6	37.3	23.2	14.1	3	2117	P,BL	50	50	TR	NA	U	Y	Y	Y	B	B	TILL&BLD
-14	9.4	2.2	7.2	227.9	190.2	37.7	21.8	15.9	1	523	P	55	45	TR	NA	U	Y	Y	N	B	NA	TILL
-15	9.7	2.1	7.6	269.4	188.0	81.4	45.0	36.4	7	489	P	55	45	TR	NA	U	Y	Y	N	B	NA	TILL
-16	9.8	1.0	8.8	227.5	149.1	78.4	46.3	32.1	13	593	P	60	40	TR	NA	U	Y	Y	N	B	NA	TILL
-17	8.9	1.0	7.9	260.0	225.4	34.6	18.4	16.2	1	82	P	30	70	TR	NA	U	Y	Y	N	B	NA	TILL
-18	9.0	0.9	8.1	165.2	144.2	21.0	14.5	6.5	0	NA	P	30	69	1	NA	U	Y	Y	N	B	NA	TILL
-19	8.9	1.2	7.7	235.2	228.0	7.2	4.8	2.4	0	NA	P	40	59	1	NA	U	Y	Y	N	B	NA	TILL
13-01	5.8	1.2	4.6	105.2	81.0	24.2	13.7	10.5	1	832	P	40	60	NA	NA	U	Y	Y	Y	B	B	TILL
-02	7.3	1.8	5.5	150.8	124.8	26.0	13.9	12.1	1	557	P	45	55	TR	NA	U	Y	Y	N	B	NA	TILL
-03	7.9	1.0	6.9	149.1	123.7	25.4	15.2	10.2	0	NA	P,BK	69	25	1	NA	U	Y	Y	Y	GB	GB	TILL
14-01	9.4	1.7	7.7	122.8	93.5	29.3	17.4	11.9	0	NA	P	45	54	1	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.1	1.6	7.5	126.3	97.0	29.3	18.0	11.3	0	NA	P	40	59	1	NA	U	Y	Y	Y	GB	GB	TILL
15-01	8.7	1.0	7.7	178.7	148.5	30.2	20.2	10.0	0	NA	P	65	35	TR	NA	U	Y	Y	Y	B	GB	TILL
16-01	9.3	0.5	8.8	228.2	189.8	38.4	25.4	13.0	0	NA	P	30	70	NA	NA	U	Y	Y	Y	B	B	TILL
-02	6.9	0.5	6.4	194.1	167.4	26.7	17.2	9.5	0	NA	P	35	64	1	NA	U	Y	Y	Y	B	B	TILL
-03	8.3	0.6	7.7	192.5	161.9	30.6	19.1	11.5	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-04	9.1	0.3	8.8	188.6	158.7	29.9	19.0	10.9	0	NA	P	60	40	NA	A	U	Y	Y	Y	B	GB	TILL
-05	9.2	0.4	8.8	208.9	172.0	36.9	22.1	14.8	0	NA	P	80	20	NA	A	U	Y	Y	Y	GB	GY	TILL
-06	9.2	0.8	8.4	200.1	168.9	31.2	20.8	10.4	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GY	GY	TILL
17-01	6.3	0.4	5.9	173.5	152.9	20.6	12.3	8.3	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-02	9.0	0.5	8.5	193.8	163.4	30.4	19.4	11.0	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-03	8.8	0.5	8.3	203.7	175.0	28.7	18.4	10.3	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-04	9.2	0.4	8.8	214.8	185.9	28.9	18.6	10.3	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
17-05	8.5	0.3	8.2	208.5	175.4	33.1	22.5	10.6	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL

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COB04MAR.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 41

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST				MATRIX						
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE V/S	% GR	LS	OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
17-06	8.3	0.3	8.0	201.5	171.0	30.5	19.0	11.5	0	NA	P	85	15	NA	NA	U	Y	Y	Y	B	B	TILL
-07	9.2	0.3	8.9	169.4	119.9	49.5	28.1	21.4	0	NA	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	8.9	0.9	8.0	120.1	90.6	29.5	18.6	10.9	0	NA	P	75	25	TR	NA	U	Y	Y	Y	GB	GB	TILL
-09	8.9	0.4	8.5	123.5	93.6	29.9	19.1	10.8	0	NA	P	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL
-10	6.5	0.5	6.0	122.1	96.2	25.9	16.3	9.6	0	NA	P	75	25	TR	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.2	0.5	8.7	147.0	117.9	29.1	18.0	11.1	0	NA	P	70	30	TR	A	U	Y	Y	Y	GB	GB	TILL
-12	8.0	0.5	7.5	107.4	83.6	23.8	14.8	9.0	0	NA	P	70	30	NA	A	U	Y	Y	Y	GB	GB	TILL
-13	9.6	0.6	9.0	108.2	80.5	27.7	16.7	11.0	0	NA	P,BL	30	70	NA	A	U	Y	Y	Y	GB	GB	TILL
-14	9.5	1.5	8.0	96.8	65.7	31.1	16.8	14.3	1	22	P	50	50	TR	NA	U	Y	Y	Y	GB	GB	TILL
-15	7.8	1.2	6.6	123.6	76.0	47.6	21.9	25.7	0	NA	P	40	60	TR	NA	U	Y	Y	Y	GB	GB	TILL
-16	7.6	0.8	6.8	129.4	103.3	26.1	16.0	10.1	0	NA	P	25	75	TR	NA	U	Y	Y	Y	GB	GB	TILL
-17	9.8	0.8	9.0	111.4	90.0	21.4	13.0	8.4	3	214	P,BL	35	25	40	NA	U	Y	Y	Y	GB	GB	TILL
-18	9.7	0.8	8.9	131.3	104.1	27.2	17.2	10.0	1	123	C	40	59	1	NA	U	Y	Y	Y	GB	GB	TILL
-19	8.6	0.2	8.4	100.6	74.3	26.3	10.7	15.6	1	358	P	65	35	TR	NA	U	Y	Y	Y	GB	GB	TILL
-20	9.2	0.8	8.4	130.4	110.1	20.3	14.1	6.2	0	NA	C	40	60	TR	NA	U	Y	Y	Y	GB	GB	TILL
18-01	9.7	1.4	8.3	148.6	123.4	25.2	15.2	10.0	1	190	P	30	70	TR	NA	U	Y	Y	Y	B	B	TILL
-02	6.0	0.5	5.5	137.9	108.6	29.3	12.2	17.1	0	NA	P	30	70	NA	NA	U	Y	Y	Y	B	GB	TILL
-03	8.6	0.8	7.8	104.5	80.0	24.5	15.8	8.7	0	NA	P	40	60	TR	NA	U	Y	Y	Y	B	B	TILL
-04	7.1	1.2	5.9	100.4	74.2	26.2	15.7	10.5	0	NA	P	30	70	NA	NA	U	Y	Y	Y	B	B	TILL
-05	9.0	1.4	7.6	133.3	107.7	25.6	15.7	9.9	1	135	C	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
19-01	8.2	1.2	7.0	115.2	94.6	20.6	12.8	7.8	1	166	P	39	60	1	NA	U	Y	Y	Y	B	B	TILL
-02	9.4	1.3	8.1	112.0	85.3	26.7	16.5	10.2	0	NA	P	55	45	NA	NA	U	Y	Y	Y	B	B	TILL
-03	9.0	1.4	7.6	96.2	71.6	24.6	16.0	8.6	1	1001	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.6	1.7	7.9	96.2	68.4	27.8	17.7	10.1	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-05	9.2	0.4	8.8	62.4	34.0	28.4	19.3	9.1	1	150	P	65	35	NA	A	U	Y	Y	Y	B	B	TILL
-06	9.0	0.6	8.4	207.1	181.7	25.4	16.2	9.2	0	NA	C	55	40	5	A	U	Y	Y	Y	B	B	TILL
20-01	9.0	2.2	6.8	302.5	260.0	42.5	26.2	16.3	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-02	9.5	3.0	6.5	220.6	186.6	34.0	22.1	11.9	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-03	9.4	2.0	7.4	233.9	200.3	33.6	21.3	12.3	0	NA	C	55	45	TR	NA	U	Y	Y	Y	B	B	TILL
-04	9.1	2.2	6.9	255.1	217.7	37.4	22.0	15.4	0	NA	C	45	55	TR	NA	U	Y	Y	Y	B	B	TILL
-05	9.5	3.0	6.5	259.5	211.6	47.9	29.9	18.0	1	50	C	58	40	2	NA	U	Y	Y	Y	B	B	TILL
-06	7.5	0.4	7.1	206.1	161.0	45.1	27.6	17.5	1	54	C	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-07	9.0	0.8	8.2	215.8	173.5	42.3	25.6	16.7	1	1424	C	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-08	8.6	1.0	7.6	147.0	120.5	26.5	17.1	9.4	0	NA	P	68	30	2	NA	U	Y	Y	Y	B	B	TILL
-09	9.0	0.5	8.5	176.6	145.7	30.9	19.9	11.0	0	NA	C	80	20	TR	A	U	Y	Y	Y	B	B	TILL
-10	9.0	0.8	8.2	156.3	133.8	22.5	14.6	7.9	0	NA	C	65	35	TR	A	U	Y	Y	Y	B	B	TILL
-11	9.0	2.4	6.6	213.0	185.0	28.0	15.9	12.1	0	NA	C	55	45	TR	NA	U	Y	Y	Y	B	B	TILL
-12	8.7	1.5	7.2	154.8	125.8	29.0	16.7	12.3	1	90	P	35	65	TR	NA	U	Y	Y	Y	B	B	TILL
-13	9.4	1.1	8.3	182.9	152.1	30.8	18.5	12.3	0	NA	P	49	50	1	NA	U	Y	Y	Y	B	B	TILL
-14	8.9	1.9	7.0	168.1	138.2	29.9	19.8	10.1	0	NA	G	50	50	TR	NA	U	Y	Y	Y	B	B	TILL
20-15	8.7	1.4	7.3	197.3	162.3	35.0	9.6	25.4	0	NA	P	50	50	TR	NA	U	Y	Y	Y	B	B	TILL

COB01APR.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION											CLASS
						M. I. CONC					CLAST					MATRIX						
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																						
21-01	7.5	0.0	7.5	120.3	91.3	29.0	20.1	8.9	0	NA	TR	NA	NA	NA	NA	S	F	Y	Y	B	B	SAND
-02	8.5	0.0	8.5	140.2	95.8	44.4	28.8	15.6	0	NA	TR	NA	NA	NA	NA	S	F	Y	Y	B	B	SAND
-03	6.8	0.9	5.9	186.1	155.6	30.5	19.4	11.1	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-04	6.4	0.5	5.9	125.1	94.8	30.3	20.1	10.2	0	NA	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-05	6.6	0.6	6.0	140.1	112.0	28.1	17.5	10.6	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-06	9.0	1.2	7.8	149.7	116.1	33.6	20.7	12.9	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-07	7.2	0.9	6.3	142.7	118.2	24.5	15.0	9.5	0	NA	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-08	9.0	1.0	8.0	159.5	111.0	48.5	33.8	14.7	0	NA	C	85	15	NA	NA	U	Y	Y	Y	B	B	TILL
-09	10.2	3.3	6.9	149.7	115.5	34.2	21.3	12.9	0	NA	C	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-10	9.4	1.2	8.2	114.4	81.4	33.0	21.3	11.7	6	669	P,C	75	25	TR	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.4	1.2	8.2	193.4	62.0	131.4	19.7	111.7	1	1650	C	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.7	1.4	8.3	76.6	53.5	23.1	12.6	10.5	4	98	C	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	9.2	2.0	7.2	100.8	72.2	28.6	18.0	10.6	1	161	P	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL
-14	8.9	0.1	8.8	76.7	56.3	20.4	12.6	7.8	0	NA	P	80	20	TR	NA	S	M,F	N	N	B	B	SAND
-15	9.6	2.2	7.4	113.3	72.5	40.8	19.4	21.4	4	1659	P	40	60	TR	NA	U	Y	Y	N	B	NA	TILL
-16	9.3	1.6	7.7	135.7	113.5	22.2	12.7	9.5	0	NA	C	35	60	5	NA	U	Y	Y	N	B	NA	TILL
-17	9.2	0.3	8.9	113.9	89.8	24.1	16.2	7.9	0	NA	P	25	65	10	NA	S	M,F	Y	N	B	NA	SAND
22-01	8.9	0.0	8.9	91.2	62.2	29.0	17.8	11.2	1	57	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.0	0.0	9.0	127.6	99.3	28.3	16.9	11.4	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	8.9	0.5	8.4	126.9	99.8	27.1	16.5	10.6	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	8.6	0.1	8.5	159.9	132.0	27.9	19.4	8.5	0	NA	C	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
23-01	9.1	1.0	8.1	133.0	105.0	28.0	17.1	10.9	1	88	P	80	20	TR	NA	U	Y	Y	Y	B	B	TILL
-02	9.1	1.0	8.1	148.1	116.5	31.6	19.4	12.2	0	NA	C	80	20	TR	NA	U	Y	Y	Y	B	B	TILL
-03	9.3	0.8	8.5	136.8	108.2	28.6	17.5	11.1	0	NA	C	85	15	TR	NA	U	Y	Y	Y	B	B	TILL
-04	9.1	0.9	8.2	122.6	96.1	26.5	16.0	10.5	1	713	C	85	15	TR	NA	U	Y	Y	Y	B	B	TILL
-05	8.8	0.7	8.1	212.3	188.3	24.0	14.8	9.2	1	3088	P	80	20	NA	A	U	Y	Y	Y	GB	GB	TILL
-06	7.6	0.2	7.4	126.8	101.1	25.7	16.6	9.1	0	NA	P	85	15	TR	NA	U	Y	Y	Y	B	B	TILL
-07	9.3	1.2	8.1	120.0	96.3	23.7	14.5	9.2	1	26	P	90	10	TR	NA	U	Y	Y	Y	B	B	TILL
-08	7.9	0.9	7.0	173.9	153.6	20.3	12.5	7.8	0	NA	P	80	20	TR	A	U	Y	Y	Y	B	B	TILL
-09	8.5	1.0	7.5	207.5	182.3	25.2	15.6	9.6	1	400	P	80	20	NA	A	U	Y	Y	Y	B	B	TILL
-10	8.2	0.9	7.3	146.8	123.6	23.2	14.3	8.9	0	NA	P	75	25	TR	A	U	Y	Y	Y	B	B	TILL
-11	8.8	0.8	8.0	151.3	129.5	21.8	13.1	8.7	1	722	P	70	30	TR	NA	U	Y	Y	Y	B	GB	TILL
-12	9.0	1.8	7.2	227.0	190.5	36.5	16.3	20.2	3	5343	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
24-01	8.2	1.5	6.7	124.9	101.1	23.8	16.3	7.5	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	BN	TILL
-02	9.1	1.0	8.1	137.0	113.8	23.2	13.6	9.6	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-03	8.9	0.7	8.2	128.2	99.1	29.1	18.0	11.1	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-04	8.5	0.4	8.1	111.1	83.7	27.4	16.7	10.7	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-05	8.8	0.9	7.9	126.2	94.6	31.6	19.8	11.8	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-06	9.5	0.8	8.7	114.5	86.1	28.4	17.3	11.1	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
24-07	8.8	1.1	7.7	156.8	129.5	27.3	16.9	10.4	1	60	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL

cobo2apr.wr1 OVERBURDEN DRILLING MANAGEMENT LIMITED
TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION									CLASS
						M. I. CONC					CLAST				MATRIX					
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
24-08	9.3	1.2	8.1	113.8	90.1	23.7	13.9	9.8	0	NA	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-09	8.3	1.3	7.0	92.2	70.2	22.0	12.8	9.2	0	NA	P	25	75	TR	NA	U	Y	Y	Y	GB	GB	TILL
-10	8.8	0.9	7.9	132.7	110.1	22.6	13.8	8.8	0	NA	P	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.6	1.0	8.6	120.4	93.7	26.7	16.2	10.5	0	NA	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-12	9.0	0.6	8.4	123.2	96.1	27.1	16.1	11.0	0	NA	P	75	25	TR	NA	U	Y	Y	Y	B	B	TILL
-13	9.0	0.7	8.3	85.8	61.3	24.5	14.8	9.7	0	NA	P	80	20	TR	NA	U	Y	Y	Y	B	B	TILL
-14	8.2	0.9	7.3	84.6	68.4	16.2	10.0	6.2	0	NA	P	80	20	TR	NA	U	Y	Y	Y	B	B	TILL
-15	9.0	0.0	9.0	58.9	39.6	19.3	12.6	6.7	0	NA	TR	NA	NA	NA	NA	S	Y	Y	Y	B	B	SAND
-16	8.3	0.0	8.3	117.1	97.7	19.4	11.9	7.5	0	NA	TR	NA	NA	NA	NA	S	Y	Y	Y	B	B	SAND&BLD
-17	9.4	1.5	7.9	129.5	95.5	34.0	18.6	15.4	1	156	G,P	70	30	NA	NA	U	Y	Y	Y	GB	B	TILL
25-01	8.2	1.3	6.9	119.9	100.0	19.9	10.9	9.0	0	NA	P	40	60	NA	NA	U	Y	Y	Y	B	B	TILL
-02	8.2	0.8	7.4	104.7	80.3	24.4	13.4	11.0	0	NA	P	40	60	NA	NA	U	Y	Y	Y	B	B	TILL
-03	9.6	1.0	8.6	77.2	53.9	23.3	14.3	9.0	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-04	9.4	1.1	8.3	115.0	90.9	24.1	14.7	9.4	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	B	TILL
-05	9.9	1.5	8.4	111.9	86.6	25.3	15.4	9.9	0	NA	P	80	10	10	NA	U	Y	Y	Y	B	B	TILL
-06	8.9	1.3	7.6	90.5	67.0	23.5	14.5	9.0	0	NA	P	80	10	10	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.6	1.2	8.4	78.9	55.9	23.0	13.3	9.7	0	NA	P	80	16	4	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.6	1.2	8.4	82.9	60.2	22.7	12.8	9.9	1	386	P	85	14	1	NA	U	Y	Y	Y	GB	GB	TILL
-09	9.4	0.3	9.1	80.4	63.0	17.4	11.0	6.4	3	323	P	85	14	1	A	U	Y	Y	Y	GB	GB	TILL
-10	9.4	0.7	8.7	113.7	88.3	25.4	15.8	9.6	1	95	P	85	14	1	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.4	0.5	8.9	128.1	96.6	31.5	19.5	12.0	0	NA	P	85	14	1	NA	U	Y	Y	Y	B	B	TILL
-12	8.8	0.5	8.3	142.9	110.8	32.1	19.5	12.6	0	NA	P	85	15	TR	NA	U	Y	Y	Y	B	B	TILL
-13	9.4	1.1	8.3	107.5	79.1	28.4	15.5	12.9	0	NA	P	80	20	TR	NA	U	Y	Y	Y	B	B	TILL
-14	7.0	0.5	6.5	118.9	102.7	16.2	9.7	6.5	0	NA	P	65	35	TR	NA	U	Y	Y	Y	B	B	TILL
-15	9.8	0.7	9.1	118.0	92.4	25.6	15.9	9.7	0	NA	P	85	15	TR	A	U	Y	Y	Y	B	B	TILL
-16	9.1	0.3	8.8	125.9	98.4	27.5	17.9	9.6	0	NA	P	80	20	TR	A	U	Y	Y	Y	GB	GB	TILL
-17	9.4	1.3	8.1	130.9	95.6	35.3	19.3	16.0	0	NA	P	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL
-18	5.0	0.4	4.6	122.1	102.2	19.9	12.2	7.7	1	1313	P	80	20	TR	A	U	Y	Y	Y	GB	GY	TILL
26-01	9.4	1.3	8.1	150.1	121.0	29.1	17.0	12.1	1	671	P	70	15	15	NA	U	Y	Y	Y	B	B	TILL
-02	9.5	1.4	8.1	117.2	92.6	24.6	14.8	9.8	1	334	P	80	15	5	NA	U	Y	Y	Y	B	B	TILL
-03	9.5	1.2	8.3	175.7	147.5	28.2	16.7	11.5	0	NA	P	80	19	1	NA	U	Y	Y	Y	B	B	TILL
-04	9.2	1.5	7.7	161.6	128.5	33.1	18.2	14.9	0	NA	P	80	19	1	NA	U	Y	Y	Y	B	B	TILL
-05	9.3	0.7	8.6	173.6	146.2	27.4	16.3	11.1	0	NA	P	80	19	1	NA	U	Y	Y	Y	B	B	TILL
-06	9.4	0.7	8.7	193.7	161.4	32.3	21.0	11.3	0	NA	P	70	20	5	NA	U	Y	Y	Y	B	B	TILL
-07	9.6	1.0	8.6	188.3	151.5	36.8	25.3	11.5	0	NA	P	75	10	15	NA	U	Y	Y	Y	B	B	TILL
-08	8.6	0.5	8.1	182.1	149.8	32.3	21.6	10.7	0	NA	P	70	15	5	NA	U	Y	Y	Y	B	B	TILL
-09	9.7	0.9	8.8	157.5	124.4	33.1	22.2	10.9	0	NA	P	80	15	5	NA	U	Y	Y	Y	B	B	TILL
-10	9.7	1.6	8.1	127.1	95.1	32.0	20.4	11.6	0	NA	P	64	35	1	NA	U	Y	Y	Y	B	B	TILL
-11	9.0	1.2	7.8	127.4	98.2	29.2	19.3	9.9	0	NA	P	65	34	1	NA	U	Y	Y	Y	B	B	TILL
26-12	9.3	1.0	8.3	97.1	80.7	16.4	11.5	4.9	0	NA	C	35	25	40	NA	U	Y	Y	Y	B	B	TILL

COBO3APR.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION											CLASS
						M. I. CONC					CLAST					MATRIX						
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																						
26-13	9.8	1.0	8.8	88.0	73.4	14.6	10.6	4.0	0	NA	P	65	5	30	NA	U	U	U	U	GB	GB	TILL
-14	9.7	2.4	7.3	150.1	123.5	26.6	16.3	10.3	0	NA	P	55	30	15	NA	U	U	U	N	GB	N	TILL
-15	9.8	1.6	8.2	197.4	170.5	26.9	16.6	10.3	0	NA	P	60	30	10	NA	U	U	U	U	GB	GB	TILL
-16	10.0	1.9	8.1	134.9	115.1	19.8	12.8	7.0	0	NA	P	70	25	5	NA	U	U	U	U	GB	GB	TILL
-17	10.1	2.0	8.1	96.6	70.7	25.9	15.4	10.5	0	NA	P	74	25	1	NA	U	U	U	U	GB	GB	TILL
-18	9.9	1.9	8.0	179.3	136.5	42.8	21.9	20.9	1	731	P	85	14	1	NA	U	U	U	U	GB	GB	TILL
-19	9.6	2.0	7.6	179.1	147.9	31.2	18.8	12.4	0	NA	P	85	15	TR	NA	U	U	U	U	GB	GB	TILL
-20	9.1	1.6	7.5	254.8	228.5	26.3	18.5	7.8	1	115	P	80	20	NA	NA	U	U	U	U	GB	GB	TILL
-21	6.6	0.5	6.1	137.3	115.8	21.5	14.3	7.2	0	NA	C	90	10	NA	NA	U	U	U	U	GB	GB	TILL
-22	9.3	1.1	8.2	199.4	175.8	23.6	15.4	8.2	0	NA	P	70	30	TR	NA	U	U	U	U	GB	GB	TILL
-23	9.1	1.4	7.7	156.6	126.1	30.5	18.8	11.7	0	NA	P	60	40	TR	NA	U	U	U	U	GB	GB	TILL
27-01	7.7	1.4	6.3	150.5	101.9	48.6	29.6	19.0	0	NA	C	80	20	NA	NA	U	U	U	U	GB	GB	TILL
-02	9.6	1.0	8.6	156.3	127.4	28.9	19.3	9.6	0	NA	P	70	30	TR	NA	U	U	U	U	GB	GB	TILL
-03	7.3	0.4	6.9	137.2	112.6	24.6	16.6	8.0	0	NA	P,C	25	75	NA	NA	U	U	U	U	GB	GB	TILL
-04	9.7	1.7	8.0	165.7	129.2	36.5	22.4	14.1	0	NA	P	55	40	5	NA	U	U	U	U	GB	GB	TILL
-05	9.7	2.2	7.5	170.3	137.5	32.8	20.5	12.3	5	1285	P	45	50	5	NA	U	U	U	U	GB	GB	TILL
-06	9.0	0.8	8.2	196.8	160.6	36.2	22.7	13.5	3	527	P	60	40	TR	NA	U	U	U	U	GB	GB	TILL
-07	9.0	1.4	7.6	121.9	94.7	27.2	16.0	11.2	0	NA	P	50	50	NA	NA	U	U	U	U	GB	GB	TILL
-08	9.3	1.3	8.0	168.2	134.7	33.5	20.7	12.8	0	NA	P	70	30	TR	NA	U	U	U	U	GB	GB	TILL
-09	9.5	1.5	8.0	121.3	92.5	28.8	17.0	11.8	0	NA	P	60	40	TR	NA	U	U	U	U	GB	GB	TILL
-10	8.5	0.8	7.7	125.4	99.4	26.0	15.9	10.1	0	NA	P	60	40	TR	NA	U	U	U	U	GB	GB	TILL
-11	8.2	0.6	7.6	85.7	62.5	23.2	14.4	8.8	1	201	P	60	40	TR	A	U	U	U	U	GB	GB	TILL
-12	9.3	0.4	8.9	74.7	51.6	23.1	14.9	8.2	0	NA	P	40	60	TR	A	U	U	U	U	GB	GB	TILL
-13	9.0	0.3	8.7	113.0	87.2	25.8	15.3	10.5	0	NA	P	40	60	TR	A	U	U	U	U	GB	GB	TILL
-14	8.7	0.4	8.3	131.5	107.4	24.1	15.0	9.1	1	67	P	60	40	TR	A	U	U	U	U	GB	GB	TILL
28-01	8.7	1.0	7.7	170.1	144.9	25.2	17.0	8.2	0	NA	P	40	60	NA	A	U	U	U	U	GB	GB	TILL
-02	7.2	0.6	6.6	161.4	141.6	19.8	13.9	5.9	0	NA	P	65	35	TR	A	U	U	U	U	GB	GB	TILL
-03	9.4	0.9	8.5	254.4	228.6	25.8	17.0	8.8	0	NA	P	70	30	TR	A	U	U	U	U	B	B	TILL
-04	7.3	0.5	6.8	191.8	173.9	17.9	11.5	6.4	0	NA	P	40	60	TR	A	U	U	U	U	B	B	TILL
-05	8.4	0.4	8.0	190.2	174.3	15.9	11.1	4.8	3	4579	P	60	40	NA	NA	U	U	U	U	B	B	TILL
-06	8.4	0.6	7.8	197.9	178.2	19.7	13.8	5.9	0	NA	P	60	40	NA	A	U	U	U	U	B	B	TILL
-07	8.3	0.6	7.7	201.5	179.9	21.6	16.1	5.5	0	NA	P	90	10	NA	A	U	U	U	U	GB	B	TILL
29-01	9.1	0.8	8.3	193.8	162.4	31.4	19.4	12.0	0	NA	P	60	40	TR	NA	U	U	U	U	B	B	TILL
-02	9.8	1.2	8.6	201.6	165.5	36.1	24.5	11.6	0	NA	P	60	40	TR	NA	U	U	U	U	B	B	TILL
-03	9.4	1.6	7.8	213.0	182.7	30.3	20.4	9.9	0	NA	C	60	35	5	NA	U	U	U	U	B	B	TILL
-04	9.4	1.1	8.3	220.1	185.7	34.4	22.3	12.1	0	NA	C	35	60	5	NA	U	U	U	U	B	B	TILL
-05	9.7	1.6	8.1	205.4	170.7	34.7	21.9	12.8	0	NA	P	40	60	TR	NA	U	U	U	U	B	GB	TILL
-06	9.3	0.8	8.5	239.5	202.7	36.8	25.2	11.6	2	124	P	60	40	TR	NA	U	U	U	U	B	GB	TILL
-07	9.7	0.8	8.9	106.3	70.4	35.9	25.5	10.4	0	NA	P	30	70	TR	NA	U	U	U	U	B	GB	TILL
29-08	9.7	1.4	8.3	123.3	94.6	28.7	17.5	11.2	0	NA	P	40	60	TR	NA	U	U	U	U	GB	GB	TILL

COB04APR.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU	DESCRIPTION											CLASS
					M. I. CONC					CLAST					MATRIX						
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
B0B-87																					
29-09	9.3	1.2	8.1	138.1	115.3	22.8	14.3	8.5	0	NA	P	30	70	TR	NA	U	Y	Y	Y	GB	GB	TILL
-10	8.8	0.6	8.2	98.5	68.1	30.4	20.0	10.4	0	NA	P	40	60	TR	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.4	1.2	8.2	202.2	171.4	30.8	17.3	13.5	0	NA	P	40	60	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.4	1.1	8.3	94.3	63.0	31.3	16.9	14.4	0	NA	P	45	55	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	8.6	0.5	8.1	75.5	51.5	24.0	14.9	9.1	1	25	P	30	70	TR	NA	U	Y	Y	Y	GB	GB	TILL
-14	9.5	0.9	8.6	133.0	108.2	24.8	15.6	9.2	1	3607	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-15	9.0	1.0	8.0	287.6	257.8	29.8	16.6	13.2	0	NA	P	45	55	TR	NA	U	Y	Y	Y	GB	GB	TILL
30-01	6.2	1.5	4.7	106.3	79.7	26.6	15.4	11.2	1	11099	P	44	55	1	NA	U	Y	Y	Y	B	B	TILL
-02	7.9	1.0	6.9	87.7	62.8	24.9	16.2	8.7	0	NA	P	50	50	TR	NA	U	Y	Y	Y	B	GB	TILL
-03	9.5	1.4	8.1	160.6	127.0	33.6	22.5	11.1	5	326	P	45	55	TR	NA	U	Y	Y	Y	B	GB	TILL
-04	9.5	1.4	8.1	74.8	53.3	21.5	13.4	8.1	5	215	P	35	65	NA	NA	U	Y	Y	Y	B	GB	TILL
-05	8.0	0.4	7.6	94.1	69.5	24.6	14.9	9.7	1	519	P	50	50	TR	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.1	2.0	7.1	129.8	106.7	23.1	13.5	9.6	0	NA	P	60	39	1	NA	U	Y	Y	Y	GB	GB	TILL
-07	6.1	0.4	5.7	94.7	67.8	26.9	19.5	7.4	0	NA	P,BL	95	4	1	NA	U	Y	Y	Y	GB	GB	TILL
-08	6.6	0.4	6.2	148.7	130.7	18.0	11.5	6.5	0	NA	P	39	60	1	NA	U	Y	Y	Y	B	GB	TILL
-09	9.1	0.4	8.7	214.6	188.3	26.3	16.5	9.8	0	NA	P	45	50	5	NA	U	Y	Y	Y	B	B	TILL
-10	9.0	0.4	8.6	187.8	163.7	24.1	14.4	9.7	1	1506	C	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-11	9.0	0.4	8.6	164.4	134.7	29.7	17.0	12.7	0	NA	P,C	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-12	8.6	0.7	7.9	188.5	168.3	20.2	11.5	8.7	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-13	9.8	1.0	8.8	178.7	153.2	25.5	14.9	10.6	0	NA	P	55	45	TR	NA	U	Y	Y	Y	B	B	TILL
-14	6.4	0.4	6.0	145.6	132.9	12.7	7.5	5.2	0	NA	P	55	45	TR	NA	U	Y	Y	Y	B	B	TILL
-15	9.3	0.0	9.3	175.2	140.9	34.3	20.6	13.7	0	NA	TR	NA	NA	NA	NA	S	F	Y	Y	GB	GB	SAND
-16	9.2	0.6	8.6	286.5	272.2	14.3	9.3	5.0	0	NA	P,C	50	50	TR	NA	U	Y	Y	Y	GB	GB	TILL
-17	9.0	0.2	8.8	302.7	287.4	15.3	10.2	5.1	0	NA	C	10	90	TR	NA	U	Y	Y	Y	B	B	TILL
-18	9.3	0.2	9.1	243.2	214.3	28.9	17.3	11.6	0	NA	P	20	80	TR	NA	U	Y	Y	Y	B	B	TILL
-19	8.4	0.3	8.1	116.9	85.0	31.9	20.1	11.8	0	NA	P	55	45	TR	A	U	Y	Y	Y	GB	GB	TILL
-20	8.7	0.1	8.6	112.3	85.6	26.7	16.4	10.3	0	NA	P,BK	95	5	TR	NA	U	Y	Y	Y	GY	GY	TILL
31-01	4.7	0.4	4.3	61.4	46.5	14.9	9.7	5.2	0	NA	P	45	55	TR	NA	U	Y	Y	Y	B	B	TILL
-02	7.4	0.4	7.0	61.9	40.7	21.2	13.3	7.9	0	NA	P	55	40	5	NA	U	Y	Y	Y	B	B	TILL
-03	8.8	0.3	8.5	146.0	120.8	25.2	17.0	8.2	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-04	9.4	1.2	8.2	139.5	111.8	27.7	18.8	8.9	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-05	9.5	1.0	8.5	118.3	90.7	27.6	18.4	9.2	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-06	9.2	0.4	8.8	82.3	58.2	24.1	15.2	8.9	0	NA	P	65	35	TR	NA	U	Y	Y	Y	B	B	TILL
-07	9.9	0.8	9.1	126.1	95.2	30.9	18.4	12.5	0	NA	P,C	65	35	TR	A	U	Y	Y	Y	GB	GB	TILL
-08	9.8	0.5	9.3	94.1	72.6	21.5	14.4	7.1	0	NA	P	60	40	TR	A	U	Y	Y	Y	GB	GB	TILL
-09	8.4	0.4	8.0	94.0	68.3	25.7	16.8	8.9	0	NA	C	60	40	TR	A	U	Y	Y	Y	GB	GB	TILL
-10	9.1	0.7	8.4	124.5	96.3	28.2	16.6	11.6	1	4110	C	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	8.7	0.4	8.3	106.0	81.1	24.9	16.1	8.8	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.1	0.5	8.6	92.4	64.4	28.0	17.3	10.7	0	NA	P	50	50	TR	NA	U	Y	Y	Y	B	GB	TILL
31-13	9.1	1.2	7.9	166.8	135.6	31.2	20.6	10.6	0	NA	P	35	65	TR	NA	U	Y	Y	Y	B	GB	TILL

COBOSAPR.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED
TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST				MATRIX						
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC FPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
B06-87																					
31-14	9.2	0.4	8.8	137.5	109.9	27.6	17.8	9.8	1	277	P	45	55	TR	NA	U	Y	Y	Y	B	B	TILL
-15	9.4	0.6	8.8	134.8	109.5	25.3	15.9	9.4	4	824	C	60	40	NA	NA	U	Y	Y	Y	B	GB	TILL
-16	9.1	1.2	7.9	199.1	174.2	24.9	15.6	9.3	1	731	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-17	8.8	0.8	8.0	182.6	155.5	27.1	18.6	8.5	0	NA	G	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-18	9.4	0.9	8.5	129.6	102.3	27.3	17.9	9.4	3	1430	TR	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-19	9.7	2.2	7.5	176.3	141.1	37.2	23.7	13.5	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-20	9.5	0.8	8.7	225.5	202.9	22.6	15.0	7.6	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-21	9.0	0.5	8.5	98.0	70.8	27.2	19.1	8.1	0	NA	P	60	35	5	A	U	Y	Y	Y	GB	GB	TILL
-22	9.0	0.6	8.4	174.4	138.9	35.5	25.8	9.7	0	NA	P	70	30	TR	NA	U	Y	Y	Y	GB	GB	TILL
-23	8.7	0.5	8.2	198.4	167.1	31.3	22.5	8.8	0	NA	P	70	30	TR	A	U	Y	Y	Y	GB	GB	TILL
32-01	8.9	2.1	6.8	221.2	186.8	34.4	22.1	12.3	1	1288	P	55	40	5	NA	U	Y	Y	Y	B	B	TILL
-02	9.7	1.2	8.5	177.9	151.3	26.6	16.6	10.0	0	NA	C	35	60	5	NA	U	Y	Y	Y	B	B	TILL
-03	9.8	1.0	8.8	180.6	152.3	28.3	18.1	10.2	0	NA	P	30	65	5	NA	U	Y	Y	Y	B	B	TILL
-04	9.3	1.0	8.3	177.0	153.5	23.5	15.4	8.1	0	NA	C	35	65	NA	NA	U	Y	Y	Y	B	B	TILL
-05	7.2	0.6	6.6	130.8	110.9	19.9	12.8	7.1	0	NA	P	35	65	TR	NA	U	Y	Y	Y	B	GB	TILL
-06	9.7	0.5	9.2	146.8	119.6	27.2	17.4	9.8	1	358	P	40	60	NA	NA	U	Y	Y	Y	B	GB	TILL
-07	9.5	0.6	8.9	110.4	83.7	26.7	16.5	10.2	0	NA	P	30	70	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	7.6	0.5	7.1	77.9	58.7	19.2	12.7	6.5	0	NA	P	45	55	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	9.4	0.6	8.8	107.0	83.4	23.6	15.5	8.1	3	517	C,BL	50	50	TR	A	U	Y	Y	Y	GB	GB	TILL
-10	7.5	0.2	7.3	74.8	60.5	14.3	10.3	4.0	0	NA	P	50	50	TR	A	U	Y	Y	Y	GB	GB	TILL
-11	10.1	1.3	8.8	124.7	97.0	27.7	17.4	10.3	0	NA	P	85	14	1	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.2	0.8	8.4	109.2	85.7	23.5	14.9	8.6	0	NA	P	90	10	TR	NA	U	Y	Y	Y	GB	GB	TILL
-13	8.3	0.6	7.7	122.1	97.1	25.0	15.8	9.2	0	NA	P	90	10	TR	NA	U	Y	Y	Y	GB	GB	TILL
33-01	8.8	0.1	8.7	162.1	147.6	14.5	9.2	5.3	0	NA	G	10	90	NA	NA	U	Y	Y	Y	B	B	~~TILL~~ SAND
-02	8.8	0.0	8.8	99.7	87.2	12.5	7.9	4.6	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	B	GB	~~TILL~~ SAND
-03	9.5	2.2	7.3	95.3	68.9	26.4	14.4	12.0	1	104	P	85	15	TR	NA	U	Y	Y	N	B	N	TILL
-04	10.0	3.1	6.9	294.1	257.9	36.2	21.6	14.6	5	14930	P	75	14	1	NA	U	Y	Y	N	B	N	TILL
-05	10.1	3.5	6.6	266.1	231.4	34.7	21.1	13.6	1	181	P	70	30	TR	NA	U	Y	Y	N	GB	N	TILL
-06	9.2	1.6	7.6	200.3	172.5	27.8	17.8	10.0	0	NA	P	80	20	NA	NA	U	Y	Y	N	GB	N	TILL
-07	8.1	0.4	7.7	82.8	58.2	24.6	15.2	9.4	0	NA	P	60	30	10	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.1	1.3	7.8	96.1	70.6	25.5	16.1	9.4	0	NA	P	70	30	TR	NA	U	Y	Y	Y	GB	GB	TILL
-09	9.9	2.0	7.9	174.2	157.4	16.8	11.0	5.8	0	NA	C	75	24	1	NA	U	Y	Y	Y	GB	GB	TILL
-10	9.8	1.2	8.6	76.2	59.3	16.9	10.2	6.7	0	NA	P	75	24	1	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.8	0.9	8.9	96.0	69.5	26.5	16.5	10.0	0	NA	C	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.5	0.9	8.6	72.9	52.0	20.9	12.7	8.2	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	9.7	0.2	9.5	76.2	63.3	12.9	5.2	7.7	0	NA	P	35	65	TR	NA	U	Y	Y	Y	GB	GB	TILL
-14	9.5	0.5	9.0	60.5	43.7	16.8	10.8	6.0	0	NA	P	35	65	TR	NA	U	Y	Y	Y	GB	GB	TILL
34-01	9.5	0.9	8.6	76.5	54.4	22.1	13.2	8.9	0	NA	P	35	65	NA	NA	U	Y	Y	Y	B	B	TILL
-02	4.9	0.3	4.6	71.8	59.8	12.0	7.9	4.1	0	NA	C,BL	20	80	NA	NA	U	Y	Y	Y	B	B	TILL
34-03	8.6	0.6	8.0	75.1	50.9	24.2	14.2	10.0	0	NA	P	45	55	NA	NA	U	Y	Y	Y	B	B	TILL

COBO6APR.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST				MATRIX						
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE V/S	% GR	LS	OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BGB-87																					
34-04	9.4	0.4	9.0	61.1	40.4	20.7	13.1	7.6	0	NA	C	15	85	TR	NA	U	Y	Y	Y	B	B	TILL
-05	8.0	0.4	7.6	65.8	47.0	18.8	12.6	6.2	0	NA	C	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.0	0.6	8.4	76.1	57.2	18.9	12.2	6.7	0	NA	C	50	50	NA	NA	U	Y	Y	Y	B	GB	TILL
-07	9.4	0.5	8.9	121.5	91.8	29.7	15.9	13.8	0	NA	P	45	55	NA	NA	U	Y	Y	Y	B	B	TILL
-08	9.8	0.8	9.0	92.6	71.5	21.1	12.1	9.0	0	NA	P	50	50	NA	NA	U	Y	Y	Y	B	GB	TILL
-09	9.4	0.4	9.0	74.4	55.7	18.7	11.4	7.3	0	NA	P	45	55	TR	NA	U	Y	Y	Y	B	GB	TILL
-10	9.7	0.0	9.7	77.7	59.2	18.5	12.3	6.2	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	B	GB	TILL
-11	9.7	0.4	9.3	128.5	103.7	24.8	16.2	8.6	0	NA	P	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL
-12	10.0	0.9	9.1	166.7	123.3	43.4	30.4	13.0	0	NA	C	95	5	TR	NA	U	Y	Y	Y	GY	GY	TILL
-13	9.1	1.0	8.1	187.6	157.6	30.0	22.2	7.8	1	281	P	80	20	TR	NA	U	Y	Y	Y	GY	GB	TILL
-14	9.6	0.4	9.2	88.0	61.1	26.9	17.6	9.3	0	NA	P	50	50	NA	NA	U	Y	Y	Y	GB	GB	TILL
-15	10.2	0.8	9.4	130.3	106.3	24.0	14.4	9.6	0	NA	P	45	55	TR	NA	U	Y	Y	Y	GB	GB	TILL
-16	9.9	0.4	9.5	103.0	77.0	26.0	15.4	10.6	0	NA	P	55	45	TR	NA	U	Y	Y	Y	GB	GB	TILL
-17	9.9	0.5	9.4	119.2	89.0	30.2	17.0	13.2	0	NA	P	50	50	TR	NA	U	Y	Y	Y	GB	GB	TILL
35-01	10.1	0.6	9.5	76.9	55.4	21.5	13.3	8.2	1	371	C	50	50	TR	NA	U	Y	Y	Y	B	GB	TILL
-02	9.7	0.8	8.9	109.2	98.3	10.9	7.4	3.5	0	NA	P	45	55	TR	NA	U	Y	Y	Y	GB	GB	TILL
-03	10.0	1.7	8.3	132.3	81.2	51.1	26.9	24.2	1	79	P	50	50	1	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.8	1.8	8.0	120.4	84.8	35.6	18.9	16.7	3	766	P	60	39	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	10.5	1.7	8.8	76.2	53.0	23.2	13.5	9.7	6	1242	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	10.0	1.5	8.5	121.0	99.5	21.5	13.0	8.5	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.5	0.8	8.7	100.3	83.6	16.7	6.2	10.5	1	163	P/C	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	10.2	0.6	9.6	96.4	70.9	25.5	14.6	10.9	1	145	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	10.0	1.2	8.8	102.4	69.6	32.8	19.0	13.8	0	NA	P	50	50	TR	NA	U	Y	Y	Y	GB	GB	TILL
36-01	9.5	1.4	8.1	94.3	70.8	23.5	12.9	10.6	0	NA	C	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	10.0	1.6	8.4	131.0	101.8	29.2	16.3	12.9	0	NA	P,BL	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	10.2	1.8	8.4	88.2	54.5	33.7	19.9	13.8	0	NA	P,C	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	10.6	1.0	9.6	105.9	80.5	25.4	14.5	10.9	4	296	P,C	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	10.2	1.4	8.8	130.9	99.8	31.1	16.0	15.1	1	308	P,C	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.9	1.4	8.5	88.9	65.7	23.2	13.2	10.0	0	NA	C	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	10.0	1.7	8.3	138.0	120.9	17.1	9.9	7.2	0	NA	C	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.8	1.4	8.4	190.2	168.3	21.9	15.1	6.8	0	NA	P,C	70	30	NA	A	U	Y	Y	Y	GB	GB	TILL
-09	10.1	0.7	9.4	238.4	219.5	18.9	13.4	5.5	0	NA	P,C	90	10	TR	NA	U	Y	Y	Y	GB	GB	TILL
-10	10.1	0.4	9.7	258.2	242.5	15.7	13.3	2.4	0	NA	P,C	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	10.2	0.2	10.0	124.1	107.8	16.3	12.2	4.1	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.8	0.1	9.7	179.6	155.4	24.2	17.0	7.2	1	38	P	85	15	NA	A	S	F	Y	Y	B	B	SAND
-13	9.2	0.1	9.1	151.8	135.1	16.7	13.3	3.4	1	76	P	85	15	NA	NA	S	F	Y	Y	B	B	SAND
-14	9.8	0.1	9.7	175.9	151.7	24.2	17.0	7.2	0	NA	P	85	15	NA	NA	S	F	Y	Y	B	B	SAND
-15	10.1	0.6	9.5	209.2	177.7	31.5	20.3	11.2	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
37-01	9.5	1.4	8.1	241.5	211.5	30.0	19.2	10.8	1	151	P	40	60	TR	NA	U	Y	Y	Y	B	B	TILL
37-02	10.0	1.2	8.8	169.2	141.8	27.4	17.8	9.6	0	NA	P	35	65	TR	NA	U	Y	Y	Y	B	B	TILL

cobo7apr.wr1 OVERBURDEN DRILLING MANAGEMENT LIMITED
TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION								CLASS
						M. I. CONC					CLAST				MATRIX				
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
37-03	11.0	2.3	8.7	169.9	148.5	21.4	11.8	9.6	0	NA	P	60	39	1	NA	U	Y	Y	Y	B	B	TILL
-04	10.4	1.4	9.0	146.8	120.3	26.5	16.5	10.0	0	NA	P_1C	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-05	10.1	0.5	9.6	161.4	132.6	28.8	17.7	11.1	0	NA	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-06	10.2	1.4	8.8	101.5	71.3	30.2	18.0	12.2	0	NA	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-07	10.5	1.3	9.2	180.6	148.8	31.8	19.2	12.6	1	3553	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	10.0	0.4	9.6	142.8	114.3	28.5	17.1	11.4	0	NA	P	80	20	TR	NA	U	Y	Y	Y	B	B	TILL
-09	10.6	0.6	10.0	130.3	104.8	25.5	16.7	8.8	1	2183	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-10	10.0	0.6	9.4	226.3	182.4	43.9	32.2	11.7	1	90	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-11	10.5	0.7	9.8	144.4	112.5	31.9	21.6	10.3	1	134	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	10.7	1.2	9.5	168.7	131.3	37.4	24.6	12.8	1	156	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-13	10.3	1.1	9.2	203.0	166.0	37.0	24.8	12.2	0	NA	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-14	11.0	0.5	10.5	120.0	93.8	26.2	16.3	9.9	1	62	P	75	24	1	NA	U	Y	Y	Y	GB	GB	TILL
-15	10.7	0.7	10.0	184.0	151.0	33.0	21.7	11.3	0	NA	P	80	20	NA	A	U	Y	Y	Y	GB	GB	TILL
-16	9.9	0.7	9.2	120.1	94.1	26.0	17.2	8.8	0	NA	P	80	20	TR	A	U	Y	Y	Y	B	GB	TILL
-17	8.8	0.3	8.5	120.0	101.4	18.6	12.4	6.2	0	NA	P	80	20	TR	A	U	Y	Y	Y	B	GB	TILL
-18	10.8	1.2	9.6	231.3	203.1	28.2	18.3	9.9	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-19	10.5	1.2	9.3	156.6	130.1	26.5	16.9	9.6	0	NA	P	70	30	TR	A	U	Y	Y	Y	B	B	TILL
-20	10.5	1.0	9.5	170.4	132.3	38.1	24.3	13.8	3	271	P	50	50	TR	A	U	Y	Y	Y	B	GB	TILL
-21	10.4	1.2	9.2	83.0	58.7	24.3	15.5	8.8	1	3631	P	50	50	TR	NA	U	Y	Y	Y	GB	GB	TILL
-22	9.8	0.4	9.4	87.8	70.4	17.4	12.2	5.2	0	NA	P	85	15	TR	NA	U	Y	Y	Y	GB	GB	TILL
-23	9.5	0.5	9.0	191.8	170.4	21.4	14.6	6.8	1	7724	P	65	35	TR	NA	U	Y	Y	Y	B	B	TILL
38-01	9.6	1.2	8.4	169.8	140.7	29.1	18.2	10.9	1	159	P_1C	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-02	9.9	1.0	8.9	163.9	132.0	31.9	19.6	12.3	0	NA	P_1C	65	34	1	NA	U	Y	Y	Y	B	B	TILL
-03	10.0	1.2	8.8	148.9	117.2	31.7	20.2	11.5	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-04	9.5	0.7	8.8	175.9	146.5	29.4	18.6	10.8	0	NA	P	65	35	TR	NA	U	Y	Y	Y	B	B	TILL
-05	9.7	0.7	9.0	165.5	140.4	25.1	15.3	9.8	0	NA	P	69	30	1	NA	U	Y	Y	Y	B	B	TILL
-06	10.0	0.9	9.1	181.3	149.2	32.1	20.2	11.9	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-07	9.5	0.7	8.8	165.7	123.2	42.5	30.4	12.1	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-08	9.8	1.0	8.8	206.6	177.1	29.5	18.7	10.8	0	NA	P_1C	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-09	10.1	0.8	9.3	208.5	171.9	36.6	23.1	13.5	0	NA	P	80	20	TR	NA	U	Y	Y	Y	B	B	TILL
-10	9.6	0.6	9.0	180.3	145.3	35.0	22.2	12.8	0	NA	P_1C	75	25	TR	NA	U	Y	Y	Y	B	B	TILL
-11	9.9	0.5	9.4	155.8	127.5	28.3	18.4	9.9	0	NA	P	80	20	TR	A	U	Y	Y	Y	B	GB	TILL
-12	7.3	0.5	6.8	173.8	154.6	19.2	12.9	6.3	0	NA	P	70	30	TR	A	U	Y	Y	Y	GB	GB	TILL
-13	9.9	0.4	9.5	164.4	137.2	27.2	18.6	8.6	0	NA	P	70	30	TR	A	U	Y	Y	Y	GB	GB	TILL
-14	9.9	0.2	9.7	216.4	193.1	23.3	16.9	6.4	0	NA	C	50	50	TR	NA	S	F	Y	Y	B	B	SAND
-15	10.0	0.0	10.0	166.4	135.7	30.7	23.0	7.7	0	NA	TR	NA	NA	NA	NA	S	F	Y	Y	B	B	SAND
-16	10.1	0.2	9.9	209.5	177.9	31.6	21.0	10.6	0	NA	C,BL	40	60	NA	NA	U	Y	Y	Y	B	B	TILL
39-01	10.1	0.8	9.3	176.8	140.3	36.5	23.4	13.1	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-02	9.7	0.8	8.9	169.0	134.2	34.8	23.2	11.6	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
39-03	9.7	0.9	8.8	211.3	180.7	30.6	20.2	10.4	1	143	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL

COBOBAPR.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED
TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST					MATRIX					
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
39-04	8.3	0.2	8.1	161.0	133.2	27.8	18.1	9.7	0	NA	P	55	45	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.3	0.4	8.9	88.0	60.6	27.4	17.5	9.9	1	37	P	70	30	TR	A	U	Y	Y	Y	GB	GB	TILL
-06	9.9	0.4	9.5	105.1	81.2	23.9	15.1	8.8	0	NA	P	60	40	TR	A	U	Y	Y	Y	GB	GB	TILL
-07	9.8	0.6	9.2	137.7	111.5	26.2	15.7	10.5	0	NA	P	65	35	TR	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.6	0.8	8.8	107.7	78.4	29.3	17.2	12.1	0	NA	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-09	6.8	0.2	6.6	153.5	130.0	23.5	15.2	8.3	0	NA	P	65	35	TR	NA	U	Y	Y	Y	GB	GB	TILL
-10	8.6	0.8	7.8	117.5	97.1	20.4	12.5	7.9	0	NA	P	70	30	TR	NA	U	Y	Y	Y	GB	GB	TILL
-11	7.5	0.8	6.7	79.4	60.0	19.4	13.6	5.8	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.9	1.0	8.9	142.5	115.8	26.7	17.4	9.3	1	220	P	60	40	TR	A	U	Y	Y	Y	GB	GB	TILL
-13	8.7	0.9	7.8	152.6	128.4	24.2	15.8	8.4	0	NA	P	65	35	NA	A	U	Y	Y	Y	GB	GB	TILL
-14	8.3	0.8	7.5	90.3	72.1	18.2	12.2	6.0	0	NA	P	70	30	TR	A	U	Y	Y	Y	GB	GB	TILL
-15	9.4	0.8	8.6	103.7	80.9	22.8	15.0	7.8	0	NA	P	80	20	NA	A	U	Y	Y	Y	GB	GB	TILL
-16	8.2	0.4	7.8	119.6	96.5	23.1	15.9	7.2	1	94	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-17	10.0	1.5	8.5	140.2	113.3	26.9	17.4	9.5	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
41-01	9.7	1.2	8.5	148.3	112.6	35.7	23.2	12.5	0	NA	P	30	70	TR	NA	U	Y	Y	Y	B	B	TILL
-02	9.7	1.0	8.7	128.3	94.7	33.6	21.7	11.9	0	NA	P	55	45	NA	NA	U	Y	Y	Y	B	B	TILL
-03	6.2	0.5	5.7	112.8	87.5	25.3	17.8	7.5	0	NA	P	45	55	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.6	0.7	8.9	160.2	125.4	34.8	23.3	11.5	0	NA	P	55	45	TR	NA	U	Y	Y	Y	GB	GB	TILL
-05	10.2	0.8	9.4	129.5	99.0	30.5	21.5	9.0	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
42-01	10.1	0.6	9.5	168.3	130.7	37.6	24.0	13.6	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-02	10.1	1.4	8.7	180.3	151.0	29.3	17.1	12.2	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-03	10.5	1.1	9.4	182.9	152.0	30.9	18.2	12.7	0	NA	P	45	50	5	NA	U	Y	Y	Y	B	B	TILL
-04	10.1	1.4	8.7	161.7	129.9	31.8	18.6	13.2	0	NA	P	40	55	5	NA	U	Y	Y	Y	B	B	TILL
-05	8.2	0.9	7.3	151.0	121.9	29.1	18.3	10.8	0	NA	P	50	50	TR	NA	U	Y	Y	Y	B	B	TILL
-06	8.9	0.1	8.8	184.2	151.2	33.0	21.1	11.9	2	201	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-07	10.4	2.0	8.4	232.1	198.9	33.2	20.6	12.6	0	NA	P	65	30	5	NA	U	Y	Y	Y	B	B	TILL
-08	6.4	0.5	5.9	138.1	121.0	17.1	11.0	6.1	0	NA	P	60	35	5	A	U	Y	Y	Y	GB	GB	TILL
43-01	10.2	1.8	8.4	151.2	128.0	23.2	14.3	8.9	0	NA	P	65	35	TR	NA	U	Y	Y	Y	B	B	TILL
-02	10.3	2.2	8.1	179.5	144.0	35.5	21.1	14.4	0	NA	P	60	35	5	NA	U	Y	Y	Y	B	B	TILL
-03	10.5	1.9	8.6	155.1	125.8	29.3	18.3	11.0	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	GB	TILL
-04	9.7	0.9	8.8	154.2	121.9	32.3	21.2	11.1	0	NA	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-05	10.0	0.4	9.6	125.2	94.6	30.6	20.1	10.5	0	NA	P	60	40	TR	A	U	Y	Y	Y	GB	GB	TILL
-06	9.6	0.6	9.0	141.4	111.7	29.7	18.4	11.3	0	NA	P	70	30	NA	A	U	Y	Y	Y	GB	GB	TILL
-07	5.4	0.8	4.6	145.6	123.5	22.1	16.2	5.9	0	NA	P	60	40	TR	A	U	Y	Y	Y	GB	GB	TILL
45-01	10.4	1.1	9.3	210.0	175.4	34.6	20.3	14.3	0	NA	P	25	75	TR	NA	U	Y	Y	Y	B	B	TILL
46-01	10.0	2.0	8.0	158.4	135.5	22.9	12.8	10.1	0	NA	P	50	50	TR	NA	U	Y	Y	Y	B	B	TILL
-02	9.8	0.8	9.0	169.1	141.1	28.0	17.4	10.6	0	NA	P	20	80	TR	NA	U	Y	Y	Y	B	B	TILL
47-01	9.8	1.0	8.8	140.9	110.8	30.1	19.5	10.6	0	NA	P	65	35	TR	NA	U	Y	Y	Y	B	GB	TILL
-02	8.5	0.3	8.2	155.8	130.6	25.2	16.8	8.4	0	NA	P	40	60	TR	NA	U	Y	Y	Y	B	GB	TILL
47-03	9.7	0.5	9.2	137.2	119.2	18.0	10.9	7.1	0	NA	P	50	50	TR	NA	U	Y	Y	Y	B	GB	TILL

cobo9apr.wr1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 41

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST				MATRIX						
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
47-04	9.3	0.6	8.7	170.0	150.4	19.6	11.8	7.8	0	NA	P	25	75	NA	NA	U	Y	Y	Y	B	GB	TILL
-05	10.2	0.9	9.3	173.7	150.0	23.7	15.6	8.1	0	NA	P	50	50	TR	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.9	0.9	9.0	200.1	173.4	26.7	18.4	8.3	1	4	P	60	40	NA	A	U	Y	Y	Y	GB	GB	TILL
49-01	8.1	1.2	6.9	295.1	272.0	23.1	15.7	7.4	0	NA	P	10	90	NA	NA	U	Y	Y	Y	OE	OEB	TILL
-02	10.1	2.4	7.7	137.0	112.8	24.2	16.1	8.1	0	NA	P	45	55	TR	NA	U	Y	Y	Y	B	B	TILL
-03	10.2	2.0	8.2	233.1	207.9	25.2	17.0	8.2	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-04	10.0	1.4	8.6	221.8	193.1	28.7	19.9	8.8	0	NA	P	90	10	NA	NA	U	Y	Y	Y	B	B	TILL
51-01	9.8	1.2	8.6	198.7	178.2	20.5	12.7	7.8	0	NA	P,BK	40	50	10	NA	U	Y	Y	Y	OEB	B	TILL
-02	9.9	0.6	9.3	155.4	128.5	26.9	19.1	7.8	0	NA	P	65	30	5	NA	U	Y	Y	Y	B	GB	TILL
52-01	9.6	1.1	8.5	164.2	138.4	25.8	15.8	10.0	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-02	9.6	0.8	8.8	240.1	207.4	32.7	21.5	11.2	0	NA	P	75	25	TR	A	U	Y	Y	Y	B	B	TILL
53-01	10.0	1.4	8.6	209.2	173.6	35.6	21.8	13.8	0	NA	P	65	35	TR	NA	U	Y	Y	Y	B	B	TILL
54-01	9.9	1.2	8.7	276.0	238.0	38.0	26.7	11.3	0	NA	C	90	10	NA	A	U	Y	Y	Y	GB	GB	TILL
-02	10.5	3.3	7.2	246.6	201.7	44.9	29.9	15.0	1	128	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-03	7.8	0.6	7.2	245.7	213.8	31.9	21.6	10.3	1	528	P	50	50	TR	NA	U	Y	Y	Y	GB	GB	TILL
55-01	9.9	1.1	8.8	228.1	202.0	26.1	15.4	10.7	0	NA	P	45	55	NA	NA	U	Y	Y	Y	B	B	TILL
-02	10.0	0.8	9.2	199.0	167.4	31.6	19.9	11.7	0	NA	P	30	70	TR	NA	U	Y	Y	Y	B	B	TILL
-03	9.8	1.2	8.6	171.4	139.8	31.6	21.1	10.5	0	NA	C	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-04	10.0	1.3	8.7	264.8	232.3	32.5	20.6	11.9	1	303	P	45	54	1	NA	U	Y	Y	Y	B	B	TILL
-05	8.9	1.2	7.7	186.0	154.2	31.8	20.3	11.5	0	NA	C	35	65	NA	NA	U	Y	Y	Y	B	B	TILL
-06	10.2	1.3	8.9	163.6	127.0	36.6	21.1	15.5	5	2639	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.1	0.4	8.7	178.8	150.4	28.4	18.8	9.6	1	113	P	60	40	TR	A	U	Y	Y	Y	B	B	TILL
56-01	9.9	2.2	7.7	192.7	161.4	31.3	17.9	13.4	0	NA	P	47	50	3	NA	U	Y	Y	Y	B	B	TILL
-02	10.0	1.7	8.3	183.3	145.9	37.4	21.8	15.6	2	566	P	40	60	TR	NA	U	Y	Y	Y	GB	GB	TILL
-03	10.3	1.9	8.4	324.4	276.2	48.2	25.3	22.9	5	9443	P	90	10	TR	NA	U	Y	Y	Y	GB	GB	TILL&BDK
57-01	10.0	0.6	9.4	282.5	239.5	43.0	27.1	15.9	0	NA	P	40	60	TR	NA	S	M	Y	N	B	NA	SAND
-02	7.1	0.3	6.8	126.4	98.5	27.9	16.8	11.1	1	126	P	40	60	TR	NA	S	M	Y	N	B	NA	SAND
58-01	9.8	1.5	8.3	171.9	132.5	39.4	22.3	17.1	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-02	10.0	1.0	9.0	132.0	102.5	29.5	17.8	11.7	0	NA	P	65	35	TR	NA	U	Y	Y	Y	B	B	TILL
-03	9.5	0.6	8.9	158.6	126.0	32.6	18.8	13.8	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
59-01	9.6	0.5	9.1	144.9	114.7	30.2	18.1	12.1	1	1573	P	70	30	NA	NA	S	M	Y	N	B	NA	SAND
-02	9.7	1.0	8.7	149.0	117.0	32.0	20.6	11.4	1	103	C	90	10	TR	NA	U	Y	Y	Y	B	B	TILL
-03	9.6	1.3	8.3	136.0	97.2	38.8	23.4	15.4	0	NA	P,C	65	35	TR	NA	U	Y	Y	Y	B	B	TILL
-04	10.1	1.2	8.9	162.9	114.0	48.9	25.9	23.0	1	191	P	40	60	TR	NA	U	Y	Y	Y	B	B	TILL
-05	10.0	1.3	8.7	194.9	141.7	53.2	28.6	24.6	0	NA	P	30	65	5	NA	U	Y	Y	Y	B	B	TILL
60-01	9.9	0.5	9.4	97.3	71.9	25.4	15.7	9.7	0	NA	P	20	80	TR	NA	U	Y	Y	Y	B	B	TILL
-02	9.6	1.2	8.4	111.9	80.7	31.2	18.8	12.4	2	416	P	50	50	TR	NA	U	Y	Y	Y	B	B	TILL
-03	9.4	0.5	8.9	106.8	74.3	32.5	20.5	12.0	0	NA	P,C	60	39	1	NA	U	Y	Y	Y	B	B	TILL
-04	10.3	1.3	9.0	106.9	74.7	32.2	19.5	12.7	4	6074	P,C	65	34	1	NA	U	Y	Y	Y	B	B	TILL
61-01	9.7	0.7	9.0	132.9	103.5	29.4	17.7	11.7	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL

COBOAAPR.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED
TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST					MATRIX					
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% DT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
61-03	9.9	0.6	9.3	91.3	58.1	33.2	20.7	12.5	0	NA	P	25	75	NA	NA	U	Y	Y	Y	B	B	TILL
-04	10.2	0.9	9.3	223.4	187.2	36.2	23.5	12.7	0	NA	P	45	49	1	A	U	Y	Y	Y	B	B	TILL
-05	9.1	0.8	8.3	142.9	114.4	28.5	18.5	10.0	0	NA	P	50	50	50	A	U	Y	Y	Y	B	B	TILL
-06	9.1	0.4	8.7	183.4	150.6	32.8	21.8	11.0	0	NA	P,G	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-07	9.0	0.5	8.5	113.9	86.5	27.4	17.4	10.0	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.7	0.9	8.8	111.9	90.0	21.9	12.5	9.4	0	NA	P,C	55	45	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	10.0	1.2	8.8	73.3	51.7	21.6	13.4	8.2	0	NA	P,C	50	50	NA	A	U	Y	Y	Y	GB	GB	TILL
-10	9.8	0.7	9.1	63.6	39.8	23.8	14.9	8.9	0	NA	P,C	60	40	NA	A	U	Y	Y	Y	GB	GB	TILL
-11	10.4	1.2	9.2	193.3	166.8	26.5	15.9	10.6	3	397	P,C	60	40	TR	A	U	Y	Y	Y	GB	GB	TILL
-12	10.2	1.6	8.6	312.2	273.4	38.8	26.5	12.3	1	144	P	40	60	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	10.2	1.5	8.7	249.1	207.4	41.7	28.6	13.1	4	5708	C	50	50	NA	NA	U	Y	Y	Y	GB	GB	TILL
62-01	10.1	1.2	8.9	98.9	73.4	25.5	15.1	10.4	3	284	P	55	45	TR	NA	U	Y	Y	Y	GB	GB	TILL
-02	10.0	0.5	9.5	84.9	60.6	24.3	15.7	8.6	0	NA	P	25	75	TR	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.9	0.4	9.5	103.6	71.8	31.8	21.2	10.6	0	NA	C	50	50	TR	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.8	0.3	9.5	90.1	62.8	27.3	17.7	9.6	0	NA	P	40	60	TR	NA	U	Y	Y	Y	GB	GB	TILL
-05	10.1	0.5	9.6	91.0	63.7	27.3	18.6	8.7	0	NA	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-06	10.0	1.0	9.0	182.8	139.9	42.9	26.3	16.6	2	88	P	65	35	TR	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.7	0.6	9.1	110.2	82.5	27.7	17.5	10.2	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.8	1.0	8.8	193.4	155.3	38.1	26.8	11.3	0	NA	P	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL
-09	10.2	0.3	9.9	151.4	117.2	34.2	22.9	11.3	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	10.0	0.6	9.4	141.1	106.1	35.0	23.8	11.2	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	10.3	0.6	9.7	158.4	123.1	35.3	23.6	11.7	0	NA	P	65	35	TR	NA	U	Y	Y	Y	GB	GB	TILL
63-01	10.0	1.2	8.8	146.3	114.4	31.9	19.6	12.3	0	NA	P	65	35	TR	NA	U	Y	Y	Y	GY	GB	TILL
64-01	9.8	0.2	9.6	1151.6	1118.7	32.9	24.5	8.4	0	NA	P	50	40	10	NA	U	Y	Y	Y	B	B	TILL
-02	9.6	1.2	8.4	138.3	105.3	33.0	21.5	11.5	1	6977	P,BL	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-03	9.9	1.0	8.9	197.3	161.0	36.3	22.9	13.4	0	NA	P,BK	90	10	NA	NA	U	Y	Y	Y	B	GB	TILL
65-01	10.6	2.2	8.4	166.1	117.9	48.2	30.4	17.8	1	311	P,BL	75	25	TR	NA	U	Y	Y	Y	B	GB	TILL
-02	9.5	1.2	8.3	208.9	179.8	29.1	19.7	9.4	0	NA	P	60	35	5	NA	U	Y	Y	Y	B	B	TILL
-03	10.1	2.6	7.5	297.3	265.7	31.6	22.9	8.7	4	1917	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-04	10.2	3.6	6.6	217.7	170.0	47.7	32.0	15.7	2	210	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
66-01	9.0	0.0	9.0	156.7	131.5	25.2	15.9	9.3	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
67-01	9.9	1.8	8.1	130.7	99.2	31.5	17.8	13.7	0	NA	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-02	8.4	1.2	7.2	92.6	70.7	21.9	13.6	8.3	0	NA	P	30	50	20	NA	U	Y	Y	Y	GB	GB	TILL
-03	10.2	1.9	8.3	116.5	90.7	25.8	14.9	10.9	0	NA	P	35	60	5	NA	U	Y	Y	Y	GB	GB	TILL
-05	10.0	1.8	8.2	92.0	65.7	26.3	14.5	11.8	5	1014	P	50	50	TR	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.6	1.3	8.3	106.2	78.0	28.2	16.9	11.3	0	NA	P	60	40	TR	A	U	Y	Y	Y	GB	GB	TILL
-07	10.0	1.1	8.9	86.4	63.5	22.9	14.0	8.9	1	46	P	70	30	NA	A	U	Y	Y	Y	GB	GB	TILL
70-01	10.7	2.0	8.7	291.2	245.9	45.3	30.3	15.0	1	376	P	40	60	TR	NA	U	Y	Y	Y	BN	BN	TILL
-02	5.1	0.9	4.2	341.8	235.6	106.2	100.2	6.0	1	4	P	60	40	TR	NA	U	Y	Y	Y	BN	BN	TILL
72-01	10.1	0.6	9.5	91.8	65.1	26.7	15.2	11.5	1	25	P	30	70	TR	NA	U	Y	Y	Y	GB	GB	TILL

COBOBAPR.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED
TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST					MATRIX					
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
72-02	8.7	0.7	8.0	94.0	69.5	24.5	15.3	9.2	2	164	P	70	25	5	A	U	Y	Y	Y	GB	GB	TILL
-03	6.9	0.5	6.4	89.4	72.8	16.6	12.2	4.4	1	123	C	40	55	5	A	U	Y	Y	Y	GB	GY	TILL
73-01	10.1	1.3	8.8	114.5	83.1	31.4	17.0	14.4	0	NA	C	10	90	TR	NA	U	Y	Y	Y	GB	GB	TILL
74-01	10.0	1.4	8.6	169.2	135.1	34.1	23.6	10.5	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-02	9.4	1.0	8.4	99.3	77.8	21.5	16.1	5.4	1	587	P	40	60	TR	A	U	Y	Y	Y	GB	GY	TILL
77-01	10.0	1.7	8.3	124.2	90.3	33.9	20.2	13.7	1	50	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.7	1.0	8.7	206.2	179.6	26.6	18.1	8.5	0	NA	P	60	40	TR	A	U	Y	Y	Y	B	B	TILL
78-01	9.7	1.4	8.3	146.2	115.2	31.0	20.8	10.2	0	NA	P	35	60	5	NA	U	Y	Y	Y	B	B	TILL
-02	10.0	1.6	8.4	171.9	135.8	36.1	24.9	11.2	1	311	P	35	60	5	NA	U	Y	Y	Y	B	B	TILL
-03	9.5	1.4	8.1	117.8	87.8	30.0	20.6	9.4	0	NA	P	35	60	5	NA	U	Y	Y	Y	B	B	TILL
-04	9.7	1.0	8.7	185.1	149.7	35.4	24.0	11.4	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-05	9.0	0.9	8.1	163.2	129.5	33.7	23.6	10.1	2	742	P	50	45	5	NA	U	Y	Y	Y	GB	GB	TILL
79-01	9.3	1.2	8.1	179.0	132.2	46.8	32.6	14.2	1	151	P	15	70	15	A	U	Y	Y	Y	B	B	TILL
-02	9.8	0.8	9.0	191.3	151.4	39.9	24.8	15.1	0	NA	P	50	50	TR	NA	U	Y	Y	Y	B	B	TILL
80-01	10.0	0.8	9.2	207.6	152.0	55.6	37.1	18.5	3	33	P	20	70	10	NA	U	Y	Y	Y	GB	GB	TILL
82-01	9.5	1.7	7.8	156.5	121.4	35.1	20.9	14.2	0	NA	P	40	60	TR	NA	U	Y	Y	Y	B	B	TILL
-02	9.8	1.5	8.3	195.8	160.7	35.1	22.1	13.0	0	NA	P,BL	65	35	TR	NA	U	Y	Y	Y	B	B	TILL
-03	10.0	0.8	9.2	205.7	169.3	36.4	24.1	12.3	0	NA	P	40	60	TR	NA	U	Y	Y	Y	B	B	TILL
-04	8.0	0.5	7.5	171.2	132.6	38.6	25.3	13.3	0	NA	P	50	45	5	NA	U	Y	Y	Y	B	B	TILL
-05	8.0	0.8	7.2	136.2	105.1	31.1	19.2	11.9	0	NA	P	55	45	TR	A	U	Y	Y	Y	B	B	TILL
-06	10.2	0.8	9.4	157.4	128.6	28.8	18.9	9.9	0	840	P	65	35	NA	A	U	Y	Y	Y	B	B	TILL
-07	10.2	0.5	9.7	151.0	121.0	30.0	21.3	8.7	3	745	P	70	30	TR	A	U	Y	Y	Y	GB	GB	TILL
-08	10.1	0.3	9.8	187.1	137.6	49.5	29.5	20.0	0	NA	P	70	30	TR	A	U	Y	Y	Y	GB	GB	TILL
-09	10.1	0.3	9.8	178.2	142.8	35.4	22.3	13.1	0	NA	P	65	35	TR	A	U	Y	Y	Y	GB	GB	TILL
-10	9.6	0.1	9.5	161.3	131.2	30.1	21.0	9.1	0	NA	P	60	40	TR	A	U	Y	Y	Y	GB	GB	TILL
-11	9.8	0.8	9.0	191.5	171.0	20.5	15.6	4.9	0	NA	P	70	30	TR	A	U	Y	Y	Y	GB	GB	TILL
-12	10.2	0.6	9.6	199.1	172.5	26.6	17.4	9.2	0	NA	P	75	25	TR	A	U	Y	Y	Y	GB	GB	TILL
83-01	8.2	0.8	7.4	147.7	118.5	29.2	17.3	11.9	0	? NA	P	70	30	TR	NA	U	Y	Y	Y	GB	GB	TILL
84-01	9.7	1.0	8.7	157.9	127.6	30.3	18.7	11.6	0	80	P	70	30	TR	A	U	Y	Y	Y	GB	GB	TILL
-02	9.4	0.6	8.8	191.9	164.4	27.5	17.9	9.6	1	84	P	40	60	TR	NA	U	Y	Y	Y	B	B	TILL
-03	9.4	1.0	8.4	185.8	165.1	20.7	14.5	6.2	0	? 340	P	40	60	TR	NA	U	Y	Y	Y	B	B	TILL
-04	9.3	1.3	8.0	184.5	148.6	35.9	25.1	10.8	1	197	P	50	50	TR	NA	U	Y	Y	Y	B	B	TILL
-05	9.1	0.8	8.3	193.6	153.4	40.2	28.7	11.5	1	270	P	65	35	TR	NA	U	Y	Y	Y	B	B	TILL
-06	9.3	0.7	8.6	170.0	135.5	34.5	22.9	11.6	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-07	9.2	0.6	8.6	195.5	159.7	35.8	24.9	10.9	0	NA	P,BK	80	20	NA	A	U	Y	Y	Y	GB	GB	TILL&BDK
85-01	9.4	0.6	8.8	180.4	150.1	30.3	19.8	10.5	0	NA	P,C	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.0	0.4	8.6	184.5	154.6	29.9	18.3	11.6	0	? 423	P,C	70	30	TR	NA	U	Y	Y	Y	GB	GB	TILL
-03	8.3	0.6	7.7	227.4	194.6	32.8	21.2	11.6	1	365	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.6	0.9	8.7	91.2	64.9	26.3	17.3	9.0	1	37	P	70	30	TR	NA	U	Y	Y	Y	GB	GB	TILL
85-05	9.6	0.9	8.7	105.9	81.4	24.5	15.6	8.9	4	339	P	80	20	NA	A	U	Y	Y	Y	GB	GB	TILL

COBOCAPR.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED
TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST				MATRIX						
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
85-06	10.0	0.6	9.4	230.4	196.2	34.2	23.4	10.8	0	NA	P	75	25	TR	NA	U	Y	Y	Y	B	B	TILL
-07	10.0	0.7	9.3	186.5	152.1	34.4	22.8	11.6	1	339	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-08	9.6	0.6	9.0	180.6	145.6	35.0	22.6	12.4	1	276	P,C	60	39	1	NA	U	Y	Y	Y	B	B	TILL
-09	9.8	0.7	9.1	158.3	118.4	39.9	26.8	13.1	0	NA	P,C	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
86-01	9.0	0.5	8.5	140.2	112.4	27.8	17.0	10.8	1	455	P,C	60	40	TR	A	U	Y	Y	Y	B	B	TILL
-02	10.0	0.9	9.1	187.9	153.5	34.4	20.8	13.6	0	NA	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-03	10.2	1.5	8.7	172.9	138.7	34.2	20.7	13.5	0	NA	P,C	70	29	1	NA	U	Y	Y	Y	B	B	TILL
-04	11.0	3.3	7.7	174.8	144.1	30.7	18.0	12.7	1	346	P,C	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-05	10.9	2.3	8.6	283.5	257.0	26.5	16.7	9.8	4	2749	P,BK	80	20	TR	NA	U	Y	Y	Y	B	B	TILL
87-01	10.9	1.1	9.8	211.7	180.4	31.3	19.1	12.2	0	NA	P,C	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
-02	10.3	2.2	8.1	127.4	96.9	30.5	21.0	9.5	1	368	C	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL
-03	7.7	0.9	6.8	141.1	118.0	23.1	16.5	6.6	1	1725	P,BK	80	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
88-01	10.2	1.4	8.8	119.0	86.0	33.0	18.7	14.3	4	608	C	55	45	NA	NA	U	Y	Y	Y	B	B	TILL
-02	9.8	0.8	9.0	81.4	56.7	24.7	16.1	8.6	3	226	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	10.0	0.4	9.6	88.0	62.0	26.0	17.4	8.6	4	396	P	60	40	NA	A	U	Y	Y	Y	GB	GY	TILL
-04	6.7	0.3	6.4	61.2	41.4	19.8	12.8	7.0	0	NA	P	60	40	TR	A	U	Y	Y	Y	GB	GY	TILL
-05	10.5	0.9	9.6	106.9	80.0	26.9	17.4	9.5	0	NA	P	49	49	2	A	U	Y	Y	Y	GB	GY	TILL
-06	9.2	0.8	8.4	98.3	68.9	29.4	20.2	9.2	0	NA	P,C	60	40	TR	A	U	Y	Y	Y	GB	GY	TILL
89-01	7.0	0.4	6.6	72.1	51.3	20.8	13.3	7.5	0	NA	P	55	40	5	NA	U	Y	Y	Y	B	B	TILL
-02	9.6	0.6	9.0	112.8	79.2	33.6	21.3	12.3	2	65	P	45	54	1	A	U	Y	Y	Y	GB	GB	TILL
-03	9.2	0.2	9.0	81.7	56.1	25.6	17.3	8.3	0	NA	P	48	48	4	NA	U	Y	Y	Y	B	B	TILL
-04	9.5	0.8	8.7	161.3	134.0	27.3	17.2	10.1	3	640	P,C	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.8	0.6	9.2	206.1	175.2	30.9	21.3	9.6	1	47	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-06	10.0	1.6	8.4	186.9	160.0	26.9	18.3	8.6	1	55	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	10.0	1.0	9.0	225.5	190.6	34.9	24.1	10.8	1	1698	P,C	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	10.0	1.6	8.4	284.4	248.7	35.7	24.2	11.5	0	NA	P,C	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-09	7.3	1.3	6.0	164.7	144.9	19.8	13.3	6.5	0	NA	C	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-10	9.9	1.4	8.5	253.9	206.0	47.9	33.4	14.5	0	NA	P,BK	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL
90-01	9.8	1.1	8.7	172.4	144.9	27.5	17.2	10.3	0	NA	C	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-02	10.5	2.4	8.1	166.6	136.3	30.3	19.6	10.7	1	2332	C	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-03	9.8	1.6	8.2	179.2	146.9	32.3	19.7	12.6	0	NA	C	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-04	9.3	0.7	8.6	197.2	167.9	29.3	18.2	11.1	0	NA	C	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.4	1.7	7.7	111.7	78.0	33.7	19.9	13.8	1	10	C	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.0	1.1	7.9	201.8	170.2	31.6	19.5	12.1	1	19	C	60	25	15	NA	U	Y	Y	Y	GB	GB	TILL
-07	5.3	0.6	4.7	165.4	139.4	26.0	18.9	7.1	0	NA	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.6	1.2	8.4	144.3	119.8	24.5	17.9	6.6	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	7.7	0.6	7.1	90.5	71.5	19.0	12.8	6.2	0	NA	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	8.8	1.0	7.8	107.7	85.3	22.4	15.7	6.7	0	NA	P	80	20	NA	A	U	Y	Y	Y	GB	GB	TILL
-11	9.7	0.6	9.1	159.2	132.3	26.9	18.6	8.3	0	NA	P	80	20	NA	A	U	Y	Y	Y	GB	GB	TILL
90-12	9.8	1.0	8.8	126.9	97.4	29.5	20.4	9.1	1	142	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL

cobodapr.wr1 OVERBURDEN DRILLING MANAGEMENT LIMITED
TOTAL # OF SAMPLES IN THIS REPORT = 30

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)		M. I. CONC			AU		DESCRIPTION										CLASS
											CLAST					MATRIX					
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
90-13	9.6	1.3	8.5	139.2	120.7	18.5	11.4	7.1	0	NA	P,C	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-14	9.6	0.8	8.8	206.4	186.3	20.1	13.8	6.3	0	NA	P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
91-01	9.3	0.4	8.9	158.8	133.5	25.3	15.9	9.4	0	NA	P	60	40	TR	A	U	Y	Y	Y	GB	GB	TILL
-02	8.9	0.8	8.1	185.6	154.6	31.0	19.3	11.7	0	NA	P,C	65	35	TR	NA	U	Y	Y	Y	GB	GB	TILL
-03	8.8	1.0	7.8	235.7	193.8	41.9	24.7	17.2	0	NA	G,P	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.3	1.0	8.3	213.0	177.3	35.7	23.6	12.1	1	43	P	50	50	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	8.2	0.6	7.6	234.5	208.2	26.3	16.4	9.9	0	NA	P	40	60	NA	A	U	Y	Y	Y	GB	GB	TILL
-06	10.0	0.8	9.2	240.6	200.7	39.9	26.6	13.3	1	56	P	60	40	TR	A	U	Y	Y	Y	GB	GB	TILL
-07	9.7	1.6	8.1	230.1	175.5	54.6	38.6	16.0	0	NA	P,BK	70	30	TR	NA	U	Y	Y	Y	GB	GB	TILL
92-01	10.0	1.4	8.6	172.2	140.1	32.1	20.1	12.0	1	50	P,C	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.2	0.5	8.7	202.7	167.6	35.1	21.8	13.3	0	NA	C	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-03	10.4	1.9	8.5	179.7	148.0	31.7	19.8	11.9	0	NA	C	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
93-01	7.6	0.7	6.9	170.4	145.6	24.8	15.9	8.9	1	487	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.3	1.1	8.2	179.1	147.4	31.7	20.3	11.4	1	1796	C	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.9	1.6	8.3	227.0	198.9	28.1	18.6	9.5	0	NA	C	70	30	TR	NA	U	Y	Y	Y	GB	GB	TILL
-04	10.0	2.4	7.6	209.5	180.5	29.0	18.3	10.7	7	1092	C	60	40	TR	NA	U	Y	Y	Y	GB	GB	TILL
-05	10.2	1.6	8.6	254.3	212.3	42.0	26.4	15.6	1	187	C	70	30	TR	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.9	3.6	6.3	208.1	174.2	33.9	21.8	12.1	3	1102	P	70	30	TR	NA	U	Y	Y	Y	GB	GB	TILL
94-01	9.5	1.5	8.0	195.1	163.6	31.5	18.8	12.7	0	NA	P	60	40	TR	NA	U	Y	Y	Y	B	B	TILL
-02	9.4	1.0	8.4	189.1	157.5	31.6	19.4	12.2	1	1879	P	25	70	5	NA	U	Y	Y	Y	B	B	TILL
-03	8.5	0.4	8.1	163.0	133.1	29.9	18.9	11.0	1	79	P	25	70	5	NA	U	Y	Y	Y	B	B	TILL
-04	9.5	0.8	8.7	164.9	132.2	32.7	20.7	12.0	0	NA	P	25	70	5	NA	U	Y	Y	Y	B	B	TILL
-05	9.5	0.9	8.6	176.2	146.6	29.6	18.3	11.3	0	NA	P	20	75	5	NA	U	Y	Y	Y	B	B	TILL
-06	9.4	0.8	8.6	166.8	137.0	29.8	18.8	11.0	0	NA	P	25	70	5	NA	U	Y	Y	Y	B	B	TILL
-07	9.5	1.0	8.5	202.0	163.5	38.5	24.3	14.2	3	360	P	70	30	TR	NA	U	Y	Y	Y	B	B	TILL
95-01	7.7	0.7	7.0	143.1	117.4	25.7	15.2	10.5	0	NA	P	20	75	5	NA	U	Y	Y	Y	B	B	TILL
-02	9.2	0.6	8.6	189.8	158.1	31.7	19.3	12.4	1	490	P	20	75	5	NA	U	Y	Y	Y	B	B	TILL
-03	9.7	1.2	8.5	207.7	176.1	31.6	19.0	12.6	1	152	P	20	75	5	NA	U	Y	Y	Y	B	B	TILL
-04	9.3	0.9	8.4	237.6	207.2	30.4	18.3	12.1	1	11	P	25	70	5	NA	U	Y	Y	Y	B	B	TILL
95-05	9.7	2.6	7.1	294.7	260.9	33.8	19.8	14.0	1	7576	P	60	35	5	NA	U	Y	Y	Y	B	B	TILL

COBOIJUL.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST					MATRIX					
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
96-01	8.8	0.6	8.2	138.2	92.0	46.2	32.6	13.6	3	63	P	40	40	20	NA	U	Y	Y	Y	B	B	TILL
-02	9.0	0.5	8.5	135.4	99.4	36.0	25.3	10.7	1	15	P	55	45	NA	NA	U	Y	Y	Y	B	B	TILL
-03	5.8	0.2	5.6	96.1	71.8	24.3	17.4	6.9	0	NA	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-04	9.4	0.4	9.0	143.0	108.6	34.4	23.7	10.7	1	8	P	50	40	10	NA	U	Y	Y	Y	B	B	TILL
-05	9.0	0.3	8.7	89.8	60.9	28.9	19.3	9.6	1	33	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-06	8.8	0.2	8.6	106.6	77.1	29.5	19.8	9.7	1	10	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-07	8.7	0.4	8.3	144.0	119.2	24.8	17.0	7.8	1	22	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-08	8.8	0.2	8.6	178.8	151.6	27.2	18.6	8.6	1	206	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-09	9.6	0.2	9.4	153.4	123.4	30.0	20.0	10.0	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	8.1	0.2	7.9	192.6	181.6	11.0	7.3	3.7	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	10.2	0.2	10.0	223.1	200.5	22.6	16.2	6.4	0	NA	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-12	10.0	0.2	9.8	165.9	131.6	34.3	23.0	11.3	2	439	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-13	9.0	0.2	8.8	154.2	120.7	33.5	23.5	10.0	5	186	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-14	9.8	0.4	9.4	168.7	143.3	25.4	18.6	6.8	4	134	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-15	8.9	0.6	8.3	212.7	191.5	21.2	14.0	7.2	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-16	9.3	0.2	9.1	160.0	131.6	28.4	21.1	7.3	1	9	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
97-01	9.9	0.3	9.6	184.7	148.2	36.5	22.4	14.1	0	NA	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-02	9.7	0.2	9.5	181.6	157.3	24.3	15.8	8.5	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-03	9.7	0.4	9.3	133.6	95.7	37.9	24.8	13.1	0	NA	P	55	45	NA	NA	U	Y	Y	Y	B	B	TILL
-04	10.1	0.6	9.5	177.0	141.4	35.6	23.3	12.3	0	NA	P,C	65	35	NA	NA	U	Y	Y	Y	B	B	TILL
-05	8.4	0.1	8.3	83.1	50.0	33.1	23.2	9.9	3	535	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-06	9.8	1.0	8.8	189.0	151.8	37.2	25.3	11.9	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-07	9.7	0.3	9.4	127.0	96.9	30.1	20.4	9.7	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-08	10.1	0.1	10.0	190.5	161.0	29.5	20.3	9.2	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	9.6	0.0	9.6	155.3	122.6	32.7	22.8	9.9	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-10	10.4	0.1	10.3	249.8	209.3	40.5	28.7	11.8	0	NA	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-11	10.2	0.0	10.2	162.5	122.8	39.7	28.8	10.9	1	396	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-12	9.8	0.0	9.8	173.2	131.6	41.6	29.9	11.7	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-13	8.9	0.0	8.9	153.0	110.1	42.9	31.5	11.4	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-14	9.8	0.0	9.8	217.1	172.4	44.7	32.2	12.5	6	89	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-15	8.7	0.2	8.5	156.7	116.1	40.6	30.5	10.1	4	26	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
98-01	10.0	0.7	9.3	135.8	101.6	34.2	24.6	9.6	0	NA	C	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	8.3	0.3	8.0	196.0	158.2	37.8	28.3	9.5	0	NA	C	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-03	9.6	0.5	9.1	212.2	169.1	43.1	31.9	11.2	0	NA	C	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-04	9.8	0.4	9.4	225.3	198.9	26.4	20.5	5.9	0	NA	C	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-05	9.6	0.4	9.2	190.1	154.1	36.0	26.0	10.0	0	NA	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-06	8.9	0.2	8.7	173.2	134.5	38.7	28.5	10.2	2	534	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.5	0.4	9.1	165.8	130.0	35.8	26.0	9.8	1	58	C	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	8.9	0.2	8.7	202.0	182.2	19.8	14.2	5.6	1	6	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
98-09	9.1	0.2	8.9	187.2	158.3	28.9	20.7	8.2	0	NA	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL

cobo2jul.wrl OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST					MATRIX					
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
98-10	8.2	0.2	8.0	218.6	191.3	27.3	19.6	7.7	1	19	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-11	8.9	0.2	8.7	130.5	97.0	33.5	23.4	10.1	1	43	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-12	9.9	0.4	9.5	210.7	188.4	22.3	15.5	6.8	0	NA	C	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
99-01	9.6	0.3	9.3	149.6	121.4	28.2	20.9	7.3	0	NA	P	40	60	NA	NA	U	Y	Y	Y	B	B	TILL
-02	8.2	0.1	8.1	124.8	106.1	18.7	14.2	4.5	1	149	P	30	70	NA	NA	U	Y	Y	Y	B	B	TILL
-03	9.7	0.4	9.3	196.9	154.3	42.6	31.1	11.5	0	NA	P	65	35	NA	NA	U	Y	Y	Y	B	B	TILL
-04	9.4	0.4	9.0	134.3	99.4	34.9	25.2	9.7	6	112	C	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
100-01	9.2	0.2	9.0	161.8	131.5	30.3	26.3	4.0	1	516	P	65	35	NA	NA	U	Y	Y	Y	B	B	TILL
-02	9.4	0.2	9.2	133.9	97.4	36.5	24.4	12.1	1	41	C	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-03	9.1	0.0	9.1	153.8	119.3	34.5	22.6	11.9	1	17	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-04	8.9	0.2	8.7	144.9	109.3	35.6	23.3	12.3	0	NA	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-05	9.5	0.2	9.3	160.3	118.8	41.5	27.9	13.6	5	86	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-06	9.6	0.2	9.4	207.0	171.9	35.1	23.2	11.9	6	161	C	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-07	9.9	0.4	9.5	159.7	123.5	36.2	24.1	12.1	3	27	P	65	35	NA	NA	U	Y	Y	Y	B	B	TILL
-08	9.3	0.2	9.1	185.4	149.6	35.8	23.3	12.5	6	118	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-09	9.1	0.2	8.9	109.8	76.7	33.1	22.5	10.6	0	NA	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-10	9.8	0.5	9.3	145.4	112.0	33.4	23.7	9.7	3	136	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.8	0.8	9.0	123.1	93.0	30.1	21.5	8.6	6	180	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	7.7	0.2	7.5	142.7	119.3	23.4	16.9	6.5	2	98	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	8.1	0.2	7.9	166.8	135.8	31.0	23.4	7.6	1	91	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-14	7.6	0.3	7.3	168.7	130.6	38.1	30.0	8.1	0	NA	P	95	5	NA	NA	U	Y	Y	Y	GB	GB	TILL
-15	9.7	0.3	9.4	251.1	208.9	42.2	33.0	9.2	1	45	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-16	9.5	0.6	8.9	261.1	209.7	51.4	39.5	11.9	3	108	P	95	5	NA	NA	U	Y	Y	Y	GB	GB	TILL
-17	9.4	0.5	8.9	268.8	224.2	44.6	33.7	10.9	6	59	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-18	10.1	0.8	9.3	289.3	234.0	55.3	41.0	14.3	5	56	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
101-01	9.7	0.8	8.9	199.3	175.1	24.2	18.7	5.5	0	NA	P	55	45	NA	NA	U	Y	Y	Y	B	B	TILL
-02	8.9	0.4	8.5	206.6	168.6	38.0	26.8	11.2	1	56	C	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-03	10.3	0.7	9.6	365.2	309.7	55.5	39.6	15.9	1	5	C	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-04	9.5	0.3	9.2	346.1	291.7	54.4	39.6	14.8	1	16	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-05	9.9	0.6	9.3	255.1	202.7	52.4	36.6	15.8	7	744	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-06	10.0	0.5	9.5	273.5	222.6	50.9	36.0	14.9	5	569	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-07	9.3	0.4	8.9	208.4	168.5	39.9	30.1	9.8	0	NA	C	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-08	7.2	0.4	6.8	219.4	181.9	37.5	28.9	8.6	5	264	C	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	9.5	0.4	9.1	185.9	143.2	42.7	30.0	12.7	3	59	C	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	10.0	0.6	9.4	235.7	194.1	41.6	31.1	10.5	1	93	C	95	5	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.8	0.6	9.2	234.9	187.4	47.5	36.6	10.9	0	NA	C	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.5	0.2	9.3	231.6	186.2	45.4	34.7	10.7	1	29	C	95	5	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	10.0	0.0	10.0	181.5	138.8	42.7	32.2	10.5	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-14	9.4	0.3	9.1	226.1	185.8	40.3	31.1	9.2	4	514	C	95	5	NA	NA	U	Y	Y	Y	GB	GB	TILL
101-15	8.7	0.5	8.2	170.5	139.1	31.4	23.5	7.9	0	NA	C	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL

COB03JUL.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST					MATRIX					
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
102-01	10.0	1.8	8.2	245.5	215.7	29.8	19.8	10.0	0	NA	P	55	45	NA	NA	U	Y	Y	Y	B	B	TILL
-02	9.8	0.5	9.3	243.8	213.1	30.7	19.3	11.4	1	1475	P	65	35	NA	NA	U	Y	Y	Y	B	B	TILL
-03	8.8	0.4	8.4	236.8	207.8	29.0	19.9	9.1	1	107	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.7	0.7	9.0	215.8	175.9	39.9	25.8	14.1	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	10.0	0.5	9.5	246.6	199.2	47.4	33.6	13.8	0	NA	C	75	25	NA	NA	U	Y	Y	Y	GY	GY	TILL
-06	9.9	0.6	9.3	209.9	160.5	49.4	35.6	13.8	8	348	C	85	15	NA	NA	U	Y	Y	Y	GY	GY	TILL
-07	6.3	0.2	6.1	107.4	80.9	26.5	20.1	6.4	0	NA	C	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.6	0.5	9.1	206.3	171.6	34.7	25.7	9.0	1	83	C	85	15	NA	NA	U	Y	Y	Y	GY	GY	TILL
-09	9.3	0.4	8.9	199.4	162.2	37.2	27.3	9.9	1	181	P	70	30	NA	NA	U	Y	Y	Y	GY	GY	TILL
-10	9.5	0.4	9.1	215.2	173.3	41.9	30.9	11.0	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	10.0	0.4	9.6	190.8	153.8	37.0	26.1	10.9	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.2	0.2	9.0	164.5	125.0	39.5	29.6	9.9	0	NA	C	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	9.5	0.4	9.1	265.0	223.7	41.3	30.9	10.4	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GY	GY	TILL
103-01	9.7	0.6	9.1	137.4	99.8	37.6	26.8	10.8	1	14	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.6	0.4	9.2	149.9	113.4	36.5	24.7	11.8	5	109	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.6	0.6	9.0	175.4	141.2	34.2	23.0	11.2	4	888	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.3	0.6	8.7	163.6	128.5	35.1	23.0	12.1	3	125	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.7	0.4	9.3	160.7	136.1	24.6	16.8	7.8	1	294	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	8.2	0.4	7.8	128.9	103.7	25.2	16.3	8.9	1	235	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.2	0.5	8.7	231.8	218.5	13.3	9.5	3.8	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-08	8.7	0.2	8.5	109.7	95.8	13.9	9.2	4.7	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-09	9.4	0.7	8.7	168.6	140.2	28.4	19.7	8.7	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-10	9.7	0.6	9.1	217.1	186.7	30.4	22.5	7.9	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	8.3	0.4	7.9	154.9	119.6	35.3	26.0	9.3	1	190	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.2	0.4	8.8	158.4	118.3	40.1	25.5	14.6	0	NA	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	9.8	0.5	9.3	197.6	162.9	34.7	25.3	9.4	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-14	8.2	0.3	7.9	192.5	167.6	24.9	18.3	6.6	0	NA	C	75	25	NA	NA	U	Y	Y	Y	GY	GY	TILL
-15	8.4	0.5	7.9	199.8	174.0	25.8	18.1	7.7	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-16	8.2	0.4	7.8	115.6	86.4	29.2	21.3	7.9	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-17	8.7	0.9	7.8	140.1	105.5	34.6	26.7	7.9	0	NA	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
104-01	7.3	0.2	7.1	158.4	119.9	38.5	26.5	12.0	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-02	9.3	0.2	9.1	190.4	152.8	37.6	24.8	12.8	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-03	9.3	0.4	8.9	221.7	187.3	34.4	22.8	11.6	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.5	0.4	9.1	225.1	182.4	42.7	28.5	14.2	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-05	9.4	0.4	9.0	151.9	113.9	38.0	25.1	12.9	6	171	C	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.6	0.3	9.3	229.3	187.5	41.8	28.2	13.6	7	49	C	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.3	0.4	8.9	167.8	129.8	38.0	26.0	12.0	4	69	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	8.6	0.4	8.2	148.9	120.0	28.9	20.3	8.6	1	32	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	6.5	0.5	6.0	145.1	118.5	26.6	19.6	7.0	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
104-10	10.2	0.4	9.8	168.0	126.6	41.4	29.3	12.1	5	104	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL

COB04JUL.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED
TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST					MATRIX					
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
104-11	10.5	0.5	10.0	228.5	201.7	26.8	21.4	5.4	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-12	10.0	0.6	9.4	246.6	200.0	46.6	36.3	10.3	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-13	10.4	0.8	9.6	254.2	195.8	58.4	44.1	14.3	1	23	C	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-14	8.3	0.4	7.9	218.6	176.4	42.2	31.9	10.3	3	393	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-15	10.1	0.6	9.5	197.0	147.5	49.5	37.9	11.6	1	1341	C	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-16	6.6	0.2	6.4	90.1	58.1	32.0	25.3	6.7	1	40	C	95	5	NA	NA	U	Y	Y	Y	GB	GB	TILL
-17	8.2	0.6	7.6	179.5	145.7	33.8	27.8	6.0	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-18	9.2	0.3	8.9	160.6	118.0	42.6	32.0	10.6	7	703	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-19	9.4	0.0	9.4	186.8	141.5	45.3	36.0	9.3	2	16	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
105-01	10.2	0.2	10.0	216.2	167.9	48.3	31.1	17.2	4	1873	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-02	9.8	0.4	9.4	198.2	159.8	38.4	29.1	9.3	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-03	10.6	0.4	10.2	214.6	167.9	46.7	33.1	13.6	1	31	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	10.5	0.7	9.8	244.0	203.2	40.8	30.5	10.3	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.5	0.7	8.8	184.4	139.4	45.0	34.4	10.6	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	10.4	0.6	9.8	223.3	177.3	46.0	33.9	12.1	3	43	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.9	0.5	9.4	302.8	254.5	48.3	37.3	11.0	3	631	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	8.5	0.8	7.7	213.5	174.1	39.4	31.8	7.6	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
106-01	8.6	0.2	8.4	144.8	107.3	37.5	27.2	10.3	0	NA	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-02	9.8	0.4	9.4	199.9	162.4	37.5	25.9	11.6	1	14	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-03	10.3	0.4	9.9	194.7	156.4	38.3	26.0	12.3	0	NA	P	40	60	NA	NA	U	Y	Y	Y	B	B	TILL
-04	8.9	0.4	8.5	134.1	99.9	34.2	21.6	12.6	5	87	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-05	9.3	0.5	8.8	156.6	123.9	32.7	21.5	11.2	4	198	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-06	7.6	0.4	7.2	81.0	65.3	15.7	10.3	5.4	3	109	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.3	0.4	8.9	112.7	91.2	21.5	14.3	7.2	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	6.3	0.2	6.1	51.2	38.4	12.8	9.2	3.6	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	10.2	0.2	10.0	152.5	118.8	33.7	24.9	8.8	1	60	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	8.9	0.2	8.7	154.8	126.6	28.2	20.0	8.2	1	51	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.3	0.3	9.0	199.9	174.8	25.1	17.6	7.5	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	8.6	0.2	8.4	159.2	121.0	38.2	28.1	10.1	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	9.9	0.4	9.5	208.2	177.1	31.1	22.1	9.0	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-14	9.8	0.4	9.4	278.1	235.6	42.5	26.8	15.7	0	NA	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-15	9.3	0.3	9.0	147.6	114.3	33.3	24.5	8.8	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-16	9.4	0.4	9.0	173.3	138.9	34.4	25.7	8.7	1	149	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-17	9.1	0.2	8.9	172.3	135.3	37.0	26.8	10.2	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-18	9.0	0.5	8.5	169.6	131.0	38.6	27.5	11.1	6	318	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
107-01	9.8	0.3	9.5	194.9	109.1	85.8	39.4	46.4	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-02	8.9	0.3	8.6	179.3	136.4	42.9	28.0	14.9	0	NA	P	65	35	NA	NA	U	Y	Y	Y	B	B	TILL
-03	9.8	0.3	9.5	175.5	125.3	50.2	34.0	16.2	1	6	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-04	9.5	0.4	9.1	134.2	97.8	36.4	25.7	10.7	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
107-05	8.8	0.5	8.3	154.7	122.1	32.6	22.0	10.6	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL

COBO1AUG.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST				MATRIX						
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
808-87																					
107-06	9.7	0.3	9.4	138.6	105.7	32.9	21.6	11.3	1	3460	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-07	9.5	0.3	9.2	124.3	97.7	26.6	17.4	9.2	0	NA	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-08	9.3	0.2	9.1	150.8	115.0	35.8	24.0	11.8	6	88	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	9.6	0.4	9.2	157.7	123.6	34.1	22.9	11.2	4	190	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	9.6	0.4	9.2	136.1	105.8	30.3	19.9	10.4	6	109	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	8.5	0.0	8.5	115.2	90.8	24.4	17.1	7.3	1	88	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.4	0.0	9.4	141.0	113.7	27.3	18.5	8.8	1	35	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	8.9	0.0	8.9	135.8	110.0	25.8	17.4	8.4	4	130	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-14	8.7	0.2	8.5	114.2	90.5	23.7	16.1	7.6	1	40	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-15	9.1	0.2	8.9	150.5	122.7	27.8	20.3	7.5	3	37	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-16	9.8	0.1	9.7	139.3	112.2	27.1	18.1	9.0	0	NA	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-17	9.9	3.0	6.9	276.8	244.8	32.0	21.1	10.9	1	101	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-18	9.9	1.9	8.0	246.7	205.6	41.1	28.0	13.1	1	23	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-19	9.9	0.4	9.5	277.4	233.1	44.3	33.9	10.4	1	44	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-20	9.3	0.4	8.9	293.3	232.0	61.3	40.2	21.1	1	16	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-21	9.4	0.9	8.5	175.4	134.3	41.1	29.4	11.7	1	22	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-22	9.7	0.5	9.2	187.0	148.1	38.9	27.2	11.7	9	211	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
108-01	9.3	0.7	8.6	190.2	141.0	49.2	35.8	13.4	4	725	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-02	8.9	0.4	8.5	197.0	155.9	41.1	30.2	10.9	1	33	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-03	9.1	0.4	8.7	162.4	128.7	33.7	23.0	10.7	3	75	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-04	9.2	0.3	8.9	191.1	154.0	37.1	27.0	10.1	6	93	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-05	9.7	0.4	9.3	210.1	170.0	40.1	27.7	12.4	3	210	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-06	8.9	0.4	8.5	160.0	126.5	33.5	23.9	9.6	6	181	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-07	9.1	0.4	8.7	216.4	179.0	37.4	26.8	10.6	6	306	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.3	0.4	8.9	182.8	143.8	39.0	27.7	11.3	1	7	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-09	9.0	0.3	8.7	181.2	143.6	37.6	26.0	11.6	0	NA	P	90	10	NA	NA	U	Y	Y	Y	B	B	TILL
-10	8.8	0.4	8.4	169.6	134.5	35.1	24.0	11.1	4	152	P	85	15	NA	NA	U	Y	Y	Y	B	B	TILL
-11	7.6	0.4	7.2	148.3	120.5	27.8	19.6	8.2	0	NA	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-12	9.4	0.3	9.1	128.8	100.6	28.2	19.1	9.1	5	306	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-13	5.2	0.4	4.8	143.2	128.7	14.5	10.7	3.8	0	NA	P	95	5	NA	NA	U	Y	Y	Y	GB	GB	TILL
109-01	8.9	0.3	8.6	186.2	149.8	36.4	24.1	12.3	1	42	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.4	0.5	8.9	191.4	159.2	32.2	20.4	11.8	1	18	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-03	8.9	0.4	8.5	128.7	95.3	33.4	21.6	11.8	5	105	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-04	9.4	0.2	9.2	180.2	147.0	33.2	19.4	13.8	6	139	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-05	10.1	0.9	9.2	183.3	154.6	28.7	17.8	10.9	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-06	9.9	0.3	9.6	246.1	220.1	26.0	17.6	8.4	1	164	P	65	35	NA	NA	U	Y	Y	Y	B	B	TILL
-07	8.7	1.4	7.3	219.4	175.4	44.0	28.6	15.4	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-08	10.3	1.0	9.3	207.6	172.2	35.4	24.5	10.9	1	26	P	65	35	NA	NA	U	Y	Y	Y	B	B	TILL
-09	9.6	0.4	9.2	201.2	169.1	32.1	22.1	10.0	1	17	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
109-10	10.0	0.6	9.4	161.1	132.5	28.6	20.1	8.5	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL

cobo2aug.wr1

OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION											CLASS
						M. I. CONC					CLAST					MATRIX						
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																						
109-11	9.6	0.7	8.9	222.0	184.0	38.0	26.2	11.8	0	NA	P	55	45	NA	NA	U	Y	Y	Y	B	B	TILL
-12	9.7	0.3	9.4	192.2	150.5	41.7	28.0	13.7	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	9.2	0.3	8.9	235.2	192.7	42.5	30.7	11.8	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-14	9.6	0.4	9.2	193.6	156.2	37.4	25.9	11.5	1	25	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-15	8.8	0.4	8.4	202.2	165.0	37.2	25.9	11.3	1	82	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-16	8.3	0.6	7.7	178.3	140.8	37.5	27.3	10.2	1	14	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-17	9.5	0.2	9.3	173.7	131.6	42.1	31.0	11.1	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-18	10.1	0.1	10.0	193.0	148.2	44.8	33.7	11.1	1	11	P	50	50	NA	NA	U	Y	Y	Y	GB	GB	TILL
-19	9.0	0.4	8.6	165.5	131.8	33.7	24.5	9.2	5	154	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
110-01	8.9	0.0	8.9	182.6	118.1	64.5	46.7	17.8	2	91	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-02	9.5	0.1	9.4	184.5	136.3	48.2	34.2	14.0	1	144	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	8.7	0.3	8.4	248.6	215.1	33.5	24.9	8.6	2	1341	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	8.8	0.4	8.4	233.0	211.8	21.2	16.4	4.8	1	39	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	10.0	0.7	9.3	194.6	151.9	42.7	29.6	13.1	1	842	P	55	45	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.7	0.8	8.9	217.0	175.5	41.5	28.7	12.8	0	NA	P	50	50	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	8.6	0.6	8.0	264.6	216.8	47.8	34.8	13.0	1	142	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	10.0	0.4	9.6	262.0	214.6	47.4	32.9	14.5	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	9.6	0.6	9.0	275.2	229.0	46.2	28.0	18.2	4	447	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	10.4	1.4	9.0	256.0	172.2	83.8	51.5	32.3	6	168	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.1	1.1	8.0	197.2	159.1	38.1	28.7	9.4	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	3.7	0.4	3.3	99.1	79.8	19.3	14.3	5.0	1	26	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
111-01	9.9	0.8	9.1	264.3	216.8	47.5	32.3	15.2	1	46	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.1	0.5	8.6	192.7	147.2	45.5	30.3	15.2	2	46	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.6	0.6	9.0	222.0	180.7	41.3	27.1	14.2	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	8.8	0.4	8.4	267.7	227.0	40.7	25.9	14.8	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.6	0.6	9.0	224.9	192.1	32.8	22.7	10.1	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	7.3	0.4	6.9	171.6	138.5	33.1	22.4	10.7	1	67	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.5	1.0	8.5	167.3	127.4	39.9	26.7	13.2	1	38	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.4	0.7	8.7	148.0	108.0	40.0	26.7	13.3	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	8.9	0.4	8.5	194.6	155.6	39.0	25.0	14.0	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	9.5	0.5	9.0	272.4	227.8	44.6	29.4	15.2	6	83	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.4	0.4	9.0	224.1	156.8	67.3	43.8	23.5	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
112-01	9.1	0.8	8.3	231.5	182.3	49.2	34.2	15.0	1	85	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.0	0.8	8.2	147.8	111.1	36.7	26.1	10.6	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	8.8	1.0	7.8	168.5	122.8	45.7	31.6	14.1	4	82	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.4	1.1	8.3	209.4	162.9	46.5	32.1	14.4	4	141	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	8.9	0.4	8.5	214.7	189.8	24.9	18.7	6.2	1	34	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.1	0.4	8.7	161.2	128.0	33.2	24.3	8.9	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
113-01	8.6	0.3	8.3	182.5	149.5	33.0	22.6	10.4	0	NA	P	65	35	NA	NA	U	Y	Y	Y	B	B	TILL
113-02	9.6	0.4	9.2	165.7	132.8	32.9	22.3	10.6	0	NA	P	65	35	NA	NA	U	Y	Y	Y	B	B	TILL

COBO3AUG.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST					MATRIX					
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
113-03	8.7	0.1	8.6	190.1	142.1	48.0	33.6	14.4	1	19	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
-04	8.9	0.8	8.1	225.4	196.1	29.3	20.3	9.0	2	486	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-05	8.1	0.6	7.5	211.0	183.3	27.7	20.9	6.8	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-06	8.8	1.4	7.4	201.3	163.7	37.6	26.3	11.3	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.7	0.6	9.1	202.5	157.3	45.2	31.2	14.0	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.1	0.4	8.7	197.7	163.1	34.6	24.7	9.9	1	15	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	8.7	0.1	8.6	143.1	112.7	30.4	21.9	8.5	1	9	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	9.4	0.8	8.6	195.9	154.0	41.9	28.6	13.3	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.2	0.4	8.8	169.5	134.6	34.9	24.5	10.4	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	8.5	0.9	7.6	196.6	168.0	28.6	19.5	9.1	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
114-01	8.7	0.6	8.1	250.0	208.7	41.3	30.3	11.0	4	53	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	8.6	0.8	7.8	212.4	171.7	40.7	29.0	11.7	1	22	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.1	0.4	8.7	264.9	219.8	45.1	32.3	12.8	6	104	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.5	1.0	8.5	219.2	173.0	46.2	33.8	12.4	4	215	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.4	0.7	8.7	226.2	181.8	44.4	31.4	13.0	1	32	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.6	0.6	9.0	288.6	236.9	51.7	38.5	13.2	1	17	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.3	0.4	8.9	213.8	177.0	36.8	26.3	10.5	1	145	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	8.4	0.6	7.8	196.4	160.4	36.0	26.1	9.9	1	14	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	9.0	1.6	7.4	217.9	188.7	29.2	21.0	8.2	4	2561	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-10	8.6	0.8	7.8	246.8	190.4	56.4	34.3	22.1	8	1006	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-11	8.7	1.8	6.9	205.4	171.3	34.1	25.1	9.0	3	794	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-12	9.1	1.6	7.5	224.2	180.1	44.1	31.4	12.7	6	1216	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-13	9.2	1.4	7.8	262.8	220.2	42.6	29.9	12.7	4	202	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
115-01	9.2	0.4	8.8	259.2	212.7	46.5	34.2	12.3	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.8	0.8	9.0	247.5	198.3	49.2	36.5	12.7	4	415	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.9	0.8	9.1	230.5	181.7	48.8	36.7	12.1	1	17	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.7	0.8	8.9	198.4	150.7	47.7	34.8	12.9	1	272	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.9	0.6	9.3	261.6	215.2	46.4	33.4	13.0	7	178	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.7	0.8	8.9	190.1	149.8	40.3	27.5	12.8	1	55	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	8.9	0.5	8.4	151.5	117.5	34.0	23.8	10.2	0	NA	P	50	50	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.3	0.6	8.7	195.9	159.3	36.6	26.3	10.3	4	133	P	70	25	5	NA	U	Y	Y	Y	GB	GB	TILL
-09	9.5	0.7	8.8	202.0	168.5	33.5	23.8	9.7	1	397	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	9.2	0.6	8.6	186.3	149.7	36.6	25.8	10.8	0	NA	P	50	50	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.4	0.7	8.7	209.6	179.6	30.0	21.2	8.8	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.6	0.7	8.9	242.8	207.0	35.8	26.1	9.7	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	8.2	0.4	7.8	205.6	177.6	28.0	21.0	7.0	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-14	9.8	0.7	9.1	186.3	167.9	18.4	13.7	4.7	0	NA	P	45	55	NA	NA	U	Y	Y	Y	B	B	TILL
-15	9.1	2.1	7.0	156.6	117.9	38.7	26.6	12.1	1	291	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-16	9.0	1.8	7.2	124.9	98.9	26.0	18.8	7.2	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GG	GG	TILL
115-17	9.8	2.5	7.3	187.7	160.9	26.8	20.6	6.2	2	508	P	70	30	NA	NA	U	Y	Y	Y	GG	GG	TILL

COB04AUG.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST				MATRIX						
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
116-01	9.3	0.4	8.9	225.1	176.1	49.0	35.1	13.9	1	29	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.6	0.9	8.7	255.9	194.5	61.4	45.9	15.5	2	2860	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.6	1.2	8.4	219.8	202.4	17.4	11.3	6.1	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.5	0.8	8.7	191.6	171.6	20.0	12.9	7.1	1	78	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
117-01	8.6	0.7	7.9	242.2	218.7	23.5	15.8	7.7	4	181	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.5	0.9	8.6	232.8	220.6	12.2	8.1	4.1	1	3077	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.8	1.8	8.0	247.7	219.0	28.7	20.5	8.2	6	808	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.4	1.5	7.9	185.6	167.2	18.4	13.2	5.2	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	10.0	1.0	9.0	190.9	143.8	47.1	36.8	10.3	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
118-01	9.1	0.4	8.7	162.7	116.1	46.6	34.4	12.2	1	11	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.4	0.8	8.6	207.0	160.8	46.2	33.2	13.0	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.2	0.8	8.4	182.6	139.1	43.5	29.7	13.8	1	34	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.1	0.8	8.3	225.4	181.5	43.9	31.5	12.4	6	885	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.2	0.6	8.6	174.1	136.6	37.5	26.4	11.1	1	14	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.7	0.8	8.9	241.4	202.6	38.8	28.8	10.0	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.6	0.6	9.0	162.3	129.7	32.6	22.0	10.6	3	122	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
119-01	10.0	0.7	9.3	190.8	144.1	46.7	33.9	12.8	3	43	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
120-01	9.7	0.8	8.9	188.2	134.6	53.6	37.7	15.9	4	89	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
121-01	9.6	0.7	8.9	164.4	117.9	46.5	32.9	13.6	9	138	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
122-01	10.0	0.6	9.4	258.8	207.8	51.0	36.8	14.2	1	134	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	10.0	1.0	9.0	207.4	158.1	49.3	35.2	14.1	1	43	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.8	0.9	8.9	247.6	182.7	64.9	43.0	21.9	3	21239	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.9	1.1	8.8	216.8	163.9	52.9	35.6	17.3	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.7	0.4	9.3	216.5	171.4	45.1	33.1	12.0	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.6	0.6	9.0	213.1	178.7	34.4	25.6	8.8	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.8	0.4	9.4	198.2	154.4	43.8	31.8	12.0	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	10.2	0.3	9.9	296.2	256.4	39.8	30.8	9.0	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-09	9.3	0.3	9.0	174.1	132.2	41.9	31.0	10.9	0	NA	P	65	35	NA	NA	U	Y	Y	Y	B	B	TILL
123-01	10.3	0.6	9.7	168.4	126.0	42.4	29.6	12.8	5	284	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.9	0.3	9.6	253.7	208.6	45.1	33.6	11.5	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-03	9.6	0.2	9.4	115.6	71.1	44.5	32.9	11.6	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.3	0.0	9.3	118.8	69.5	49.3	37.1	12.2	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.8	0.4	9.4	188.5	148.3	40.2	27.9	12.3	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-06	10.2	0.6	9.6	206.6	178.3	28.3	21.2	7.1	0	NA	P	65	35	NA	NA	U	Y	Y	Y	B	B	TILL
124-01	10.1	0.0	10.1	196.8	154.7	42.1	30.3	11.8	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-02	9.8	0.5	9.3	165.1	129.2	35.9	24.3	11.6	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-03	9.8	0.6	9.2	187.8	151.4	36.4	24.0	12.4	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-04	9.6	0.0	9.6	141.2	102.4	38.8	27.2	11.6	0	NA	TR	NA	NA	NA	NA	S	F	Y	Y	B	B	SAND
-05	9.3	0.0	9.3	137.0	100.0	37.0	25.7	11.3	0	NA	TR	NA	NA	NA	NA	S	F	Y	Y	B	B	SAND
124-06	9.6	0.2	9.4	128.5	101.0	27.5	20.1	7.4	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL

COGEMA

COB05AUG.WR1

OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 40

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST					MATRIX					
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
124-07	9.7	0.2	9.5	181.1	155.1	26.0	18.1	7.9	0	NA	P	65	35	NA	NA	U	Y	Y	Y	B	B	TILL
-08	9.5	0.1	9.4	128.1	100.7	27.4	19.7	7.7	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-09	9.7	0.4	9.3	124.6	94.9	29.7	22.7	7.0	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-10	10.0	0.1	9.9	117.1	92.1	25.0	18.3	6.7	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.7	0.4	9.3	136.9	101.6	35.3	25.2	10.1	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.8	0.2	9.6	123.1	84.3	38.8	28.7	10.1	1	13	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	9.1	0.4	8.7	141.8	111.3	30.5	22.6	7.9	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-14	9.6	0.4	9.2	145.9	120.3	25.6	18.9	6.7	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-15	10.5	1.4	9.1	224.0	184.1	39.9	27.7	12.2	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-16	10.6	0.7	9.9	259.8	213.5	46.3	31.1	15.2	1	915	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
125-01	8.7	0.6	8.1	164.5	115.3	49.2	33.0	16.2	3	2725	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
125A-01	9.7	1.9	7.8	183.8	159.1	24.7	17.9	6.8	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	10.0	0.2	9.8	265.2	237.6	27.6	21.0	6.6	1	450	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.1	0.2	8.9	193.1	168.5	24.6	19.8	4.8	1	76	P	45	55	NA	NA	U	Y	Y	Y	GB	GB	TILL
126-01	9.7	0.6	9.1	218.6	173.4	45.2	32.5	12.7	1	65	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.4	0.6	8.8	88.6	54.1	34.5	24.1	10.4	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	10.1	0.4	9.7	219.0	193.7	25.3	18.1	7.2	1	11	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.6	0.2	9.4	181.3	128.0	53.3	38.0	15.3	1	130	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	10.9	1.0	9.9	177.0	142.7	34.3	23.1	11.2	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
127-01	9.4	0.6	8.8	164.7	132.2	32.5	23.4	9.1	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-02	9.3	0.4	8.9	175.4	137.4	38.0	27.3	10.7	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-03	8.7	0.3	8.4	130.4	91.3	39.1	29.2	9.9	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-04	9.5	0.6	8.9	173.9	131.8	42.1	31.0	11.1	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.7	0.2	9.5	227.3	171.9	55.4	42.0	13.4	1	24	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.8	0.7	9.1	190.6	149.2	41.4	31.0	10.4	1	21	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.4	0.7	8.7	152.8	120.3	32.5	23.8	8.7	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-08	9.2	0.2	9.0	131.9	105.6	26.3	20.9	5.4	0	NA	P	40	60	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	9.2	0.4	8.8	154.6	112.1	42.5	30.7	11.8	1	252	P	45	55	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	9.4	0.2	9.2	170.5	131.6	38.9	29.0	9.9	0	NA	P	45	55	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	9.2	0.2	9.0	164.0	120.0	44.0	33.9	10.1	1	6	P	50	50	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.6	0.3	9.3	180.5	147.0	33.5	24.8	8.7	0	NA	P	50	50	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	8.9	0.4	8.5	159.5	117.5	42.0	32.5	9.5	0	NA	P	55	45	NA	NA	U	Y	Y	Y	GB	GB	TILL
-14	8.0	0.0	8.0	112.3	79.4	32.9	24.5	8.4	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-15	9.3	0.8	8.5	160.2	127.4	32.8	24.6	8.2	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-16	7.9	0.5	7.4	125.2	92.1	33.1	23.7	9.4	7	206	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-17	9.3	0.6	8.7	224.4	185.7	38.7	27.7	11.0	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-18	10.8	1.5	9.3	198.2	152.9	45.3	30.9	14.4	1	94	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-19	10.7	1.1	9.6	200.1	151.0	49.1	34.2	14.9	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-20	9.1	0.8	8.3	235.2	196.7	38.5	28.5	10.0	1	13	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
128-01	10.8	0.9	9.9	210.9	165.0	45.9	31.7	14.2	4	643	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL

COB06AUG.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 50

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION										CLASS
						M. I. CONC					CLAST					MATRIX					
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC FPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
B0B-87																					
128-02	0.9	0.9	0.0	231.6	194.5	37.1	25.8	11.3	1	25	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.7	0.8	8.9	201.9	154.4	47.5	32.4	15.1	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.1	0.4	8.7	155.4	105.3	50.1	32.2	17.9	5	199	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.4	0.3	9.1	177.3	147.6	29.7	21.3	8.4	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.8	0.4	9.4	157.6	114.4	43.2	30.3	12.9	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.7	0.4	9.3	185.0	139.1	45.9	31.1	14.8	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.9	0.8	9.1	226.8	189.7	37.1	25.6	11.5	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	9.5	0.2	9.3	163.8	131.1	32.7	23.4	9.3	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	8.8	0.4	8.4	201.5	172.9	28.6	21.7	6.9	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	8.9	0.8	8.1	180.0	146.7	33.3	25.6	7.7	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-12	9.7	0.6	9.1	192.1	154.6	37.5	27.3	10.2	1	283	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	9.6	0.9	8.7	210.3	170.9	39.4	28.6	10.8	0	NA	P	85	15	NA	NA	U	Y	Y	Y	GB	GB	TILL
-14	9.8	0.3	9.5	204.2	170.5	33.7	25.1	8.6	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-15	8.7	0.2	8.5	159.0	130.0	29.0	20.5	8.5	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-16	10.2	0.5	9.7	215.9	170.5	45.4	34.3	11.1	1	29	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
129-01	10.4	0.8	9.6	214.4	168.7	45.7	31.6	14.1	0	NA	P	75	25	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	9.9	0.6	9.3	174.7	136.9	37.8	27.8	10.0	1	54	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.1	0.4	8.7	143.9	110.6	33.3	25.2	8.1	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.0	0.3	8.7	185.8	153.7	32.1	23.9	8.2	1	670	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.7	0.2	9.5	177.9	157.2	20.7	14.5	6.2	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.6	0.2	9.4	199.5	180.1	19.4	14.3	5.1	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	8.3	0.5	7.8	142.7	114.7	28.0	21.3	6.7	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.7	0.5	9.2	318.5	293.9	24.6	19.0	5.6	1	152	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	10.3	1.1	9.2	304.3	267.9	36.4	24.7	11.7	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	9.7	0.5	9.2	240.2	217.8	22.4	15.6	6.8	6	575	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
30-01	10.2	1.4	8.8	309.5	256.0	53.5	36.8	16.7	1	435	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	10.1	0.7	9.4	174.8	133.9	40.9	29.0	11.9	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.7	0.6	9.1	225.3	186.2	39.1	27.1	12.0	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.8	0.6	9.2	145.8	111.7	34.1	24.5	9.6	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.9	0.8	9.1	154.6	120.7	33.9	24.1	9.8	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.0	0.4	8.6	157.8	132.9	24.9	18.2	6.7	1	20	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.4	0.3	9.1	167.4	137.2	30.2	21.5	8.7	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	9.7	0.2	9.5	205.0	170.8	34.2	24.3	9.9	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	7.7	0.3	7.4	147.1	122.9	24.2	17.3	6.9	0	NA	P	65	35	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	9.1	0.6	8.5	207.4	174.5	32.9	23.3	9.6	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
131-01	9.7	0.5	9.2	253.0	210.7	42.3	28.3	14.0	4	520	P	40	60	NA	NA	U	Y	Y	Y	B	B	TILL
-02	9.7	0.9	8.8	197.6	150.4	47.2	31.5	15.7	1	3	P	40	60	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	9.8	0.6	9.2	183.5	140.4	43.1	28.3	14.8	2	76	P	55	45	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.6	0.4	9.2	225.8	191.5	34.3	24.0	10.3	1	16	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	9.3	0.4	8.9	179.3	142.1	37.2	26.3	10.9	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.2	0.4	8.8	216.3	187.3	29.0	19.4	9.6	0	NA	P	30	70	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	8.8	0.2	8.6	147.2	111.9	35.3	22.8	12.5	0	NA	P	40	60	NA	NA	U	Y	Y	Y	GB	GB	TILL
132-01	9.1	0.6	8.5	240.7	208.6	32.1	20.4	11.7	0	NA	P	40	60	NA	NA	U	Y	Y	Y	B	B	TILL
-02	9.0	0.6	8.4	209.9	173.5	36.4	23.7	12.7	1	208	P	40	60	NA	NA	U	Y	Y	Y	B	B	TILL

COBO6AUG.WR1 OVERBURDEN DRILLING MANAGEMENT LIMITED

TOTAL # OF SAMPLES IN THIS REPORT = 50

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)		M. I. CONC			AU		DESCRIPTION										CLASS
											CLAST				MATRIX						
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	COLOR CY	
BOB-87																					
-03	8.8	0.4	8.4	182.0	148.1	33.9	23.6	10.3	6	190	P	50	50	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	9.2	0.4	8.8	174.6	137.0	37.6	24.9	12.7	1	643	P	30	70	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	8.7	0.4	8.3	196.8	161.7	35.1	23.8	11.3	1	2608	P	30	70	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.6	0.4	9.2	201.2	160.1	41.1	27.9	13.2	0	NA	P	40	60	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	9.8	0.4	9.4	209.2	170.2	39.0	27.3	11.7	0	NA	P	50	50	NA	NA	U	Y	Y	Y	GB	GB	TILL
133-01	9.6	1.0	8.6	236.6	188.9	47.7	31.8	15.9	1	12	P	50	50	NA	NA	U	Y	Y	Y	GB	GB	TILL

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

coboimar.wri
TOTAL # OF PANNINGS 0

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
01-01	N	500 X 650	88 C	1						1			
										1	18.7	11628	
-02	N	150 X 250	38 C	1						1			
										1	16.7	683	
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
02-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	200 X 450	58 C			1				1			
										1	18.0	2539	
-10	N	NO VISIBLE GOLD											
03-01	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
==========

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobolmar.wr1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 0

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
03-05	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo2mar.wr1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 2

SAMPLE #	PANNED			ABRADED		IRREGULAR		DELICATE		TOTAL	NON MAG	CALC V.G. ASSAY	
	Y/N	DIAMETER	THICKNESS	T	P	T	P	T	P		GMS	PPB	REMARKS
BOB-87													
03-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
04-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	350 X 350	61 C	1						1			
										1	13.1	4296	
-04	N	NO VISIBLE GOLD											
05-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	150 X 200	34 C			1				1			
										1	16.1	481	
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
06-01	N	NO VISIBLE GOLD											
-02	Y	125 X 250	36 C	1						1			EST. 35% PYRITE
		250 X 500	65 C	1						1			
										2	27.0	2877	
07-01	N	100 X 150	25 C	1						1			
										1	14.6	198	
-02	N	50 X 100	15 C	1						1			
										1	16.8	38	
-03	N	NO VISIBLE GOLD											
-04	Y	100 X 150	25 C	1						1			EST. 1% PYRITE
		150 X 150	29 C	1						1			

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo2mar.wr1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 2

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
										2	13.5	580	
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	400 X 400	100 M	1						1			
										1	16.3	7362	
08-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
09-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	75 X 125	20 C	1						1			
										1	20.0	75	
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
10-01	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO3MAR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 7

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-B7													
10-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	100 X 150	25 C	1						1			
										1	16.9	171	
11-01	N	NO VISIBLE GOLD											
12-01	Y	25 X 25	5 C			1				1			EST. 3% PYRITE
		50 X 50	10 C			1				1			
		75 X 75	15 C			1				1			
		75 X 150	22 C	1						1			
		100 X 125	22 C	1						1			
		175 X 200	36 C	1						1			
		200 X 225	40 C	1						1			
										7	20.5	1373	
-02	N	NO VISIBLE GOLD											
-03	N	125 X 275	38 C	1						1			
										1	22.9	498	
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	Y	25 X 75	10 C			1				1			EST. 5% PYRITE
		50 X 50	10 C			1				1			30% GARNET
		75 X 75	15 C			1				1			
		75 X 125	20 C			1				1			
		125 X 150	27 C			1				1			
		100 X 150	25 C	1						1			
		250 X 375	56 C	1						1			
		275 X 375	58 C	1						1			
										8	29.4	3260	

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO3MAR.WR1
TOTAL # OF PANNINGS 7

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-10	N	NO VISIBLE GOLD											
-11	Y	50 X 50	10 C		1					1			EST. 5% PYRITE
		50 X 75	13 C		1					1			10% GARNET
										2	24.1	23	
-12	Y	25 X 25	5 C		1					1			EST. 3% PYRITE
		100 X 125	22 C		2					2			25% GARNET
		100 X 250	34 C	1						1			
		125 X 125	25 C		1					1			
		125 X 150	27 C	1						1			
		125 X 175	29 C		1					1			
		150 X 175	31 C	1						1			
		150 X 200	34 C	1						1			
		150 X 225	36 C	1						1			
		150 X 250	38 C	1						1			
		175 X 225	38 C		1					1			
		175 X 250	40 C		1					1			
		200 X 250	42 C	2						2			
		200 X 275	44 C	1						1			
		250 X 250	46 C	1						1			
		250 X 300	50 C	1						1			
		250 X 400	58 C	1						1			
										19	30.4	7568	
-13	Y	100 X 200	29 C	1						1			EST. 0.5% PYRITE
		150 X 200	34 C	1						1			20% GARNET
		250 X 350	54 C	1						1			
										3	23.2	2117	
-14	N	200 X 200	38 C	1						1			
										1	21.8	523	
-15	Y	75 X 100	18 C	2	1					3			NO SULPHIDES
		100 X 125	22 C	1						1			30% GARNET
		100 X 150	25 C	1						1			
		150 X 175	31 C	1						1			
		175 X 175	34 C	1						1			
										7	45.0	489	
-16	Y	25 X 25	5 C		1				1	2			NO SULPHIDES
		50 X 100	*15 C*	*1*						1			30% GARNET

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO3MAR.WR1
TOTAL # OF PANNINGS 7

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL =====	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
		50 X 175	22 C	1						1			
		75 X 75	15 C		1					1			
		75 X 100	18 C	1	2		1			4			
		100 X 125	22 C	1						1			
		100 X 100	20 C	1						1			
		125 X 175	29 C	1						1			
		150 X 250	38 C	1						1			
										13	46.3	593	
-17	N	75 X 125	20 C	1						1			
										1	18.4	82	
-18	N	NO VISIBLE GOLD											
-19	N	NO VISIBLE GOLD											
13-01	N	150 X 250	38 C	1						1			
										1	13.7	832	
-02	N	150 X 200	34 C	1						1			
										1	13.9	557	
-03	N	NO VISIBLE GOLD											
14-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
15-01	N	NO VISIBLE GOLD											
16-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
17-01	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
==========

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COB03MAR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 7

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87												
-02	N	NO VISIBLE GOLD										
-03	N	NO VISIBLE GOLD										
-04	N	NO VISIBLE GOLD										
17-05	N	NO VISIBLE GOLD										

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO4MAR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 1

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
17-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											
-14	N	50 X 75	13 C	1						1			
										1	16.8	22	
-15	N	NO VISIBLE GOLD											
-16	N	NO VISIBLE GOLD											
-17	Y	50 X 100	15 C				1			1			EST. 3% PYRITE
		75 X 75	15 C	1						1			
		100 X 100	20 C	1						1			
										3	13.0	214	
-18	N	75 X 150	22 C	1						1			
										1	17.2	123	
-19	N	125 X 150	27 C	1						1			
										1	10.7	358	
-20	N	NO VISIBLE GOLD											
18-01	N	100 X 150	25 C	1						1			
										1	15.2	190	
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO4MAR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 1

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-04	N	NO VISIBLE GOLD											
-05	N	100 X 125	22 C	1						1			
										1	15.7	135	
19-01	N	75 X 150	22 C	1						1			
										1	12.8	166	
-02	N	NO VISIBLE GOLD											
-03	N	200 X 250	42 C			1				1			
										1	16.0	1001	
-04	N	NO VISIBLE GOLD											
-05	N	100 X 150	25 C	1						1			
										1	19.3	150	
-06	N	NO VISIBLE GOLD											
20-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	100 X 100	20 C	1						1			
										1	29.9	50	
-06	N	100 X 100	20 C	1						1			
										1	27.6	54	
-07	N	200 X 400	54 C	1						1			
										1	25.6	1424	
-08	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
==========

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COB04MAR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 1

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	100 X 100	20 C	1						1			
										1	16.7	90	
-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
20-15	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO1APR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 4

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY FPB	REMARKS
BOB-87													
21-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	Y	25 X 50	8 C		1				1	2			EST. 3% PYRITE
		50 X 50	10 C		1					1			
		50 X 75	13 C		1					1			
		75 X 150	22 C				1			1			
		175 X 225	38 C	1						1			
										6	21.3	669	
-11	N	300 X 300	54 C	1						1			
										1	19.7	1850	
-12	Y	25 X 25	5 C		1					1			EST. 7% PYRITE
		50 X 50	10 C	1						1			
		50 X 75	13 C	1						1			
		75 X 75	15 C		1					1			
										4	12.6	98	
-13	N	75 X 175	25 C	1						1			
										1	18.0	161	
-14	N	NO VISIBLE GOLD											
-15	Y	25 X 75	10 C	1						1			EST. 1% PYRITE
		75 X 150	22 C	1						1			
		125 X 175	29 C	1						1			
		225 X 300	48 C	1						1			

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO1APR.WR1
TOTAL # OF PANNINGS 4

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY FPB	REMARKS
BOB-87													
										4	19.4	1659	
-16	N	NO VISIBLE GOLD											
-17	N	NO VISIBLE GOLD											
22-01	N	75 X 100	18 C	1						1			
										1	17.8	57	
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
23-01	N	100 X 100	20 C	1						1			
										1	17.1	88	
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	150 X 250	38 C	1						1			
										1	16.0	713	
-05	N	250 X 400	58 C	1						1			
										1	14.8	3088	
-06	N	NO VISIBLE GOLD											
-07	N	50 X 75	13 C	1						1			
										1	14.5	26	
-08	N	NO VISIBLE GOLD											
-09	N	125 X 200	31 C	1						1			
										1	15.6	400	
-10	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO1AFR.WR1

TOTAL # OF PANNINGS 4

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-11	N	150 X 225	36 C	1						1			
										1	13.1	722	
-12	Y	25 X 50	8 C		1					1			EST. 0.5% PYRITE
		200 X 325	48 C		1					1			
		325 X 400	63 C		1					1			
										3	16.3	5343	
24-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
24-07	N	50 X 125	18 C			1				1			
										1	16.9	60	

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo2apr.wrl
TOTAL # OF PANNINGS 1

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
24-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											
-16	N	NO VISIBLE GOLD											
-17	N	125 X 125	25 C			1				1			
										1	18.6	156	
25-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	100 X 200	29 C			1				1			
										1	12.8	386	
-09	Y	25 X 25	5 C		1					1			EST. 1% PYRITE
		75 X 75	15 C		1					1			
		100 X 150	25 C					1		1			
										3	11.0	323	
-10	N	75 X 125	20 C			1				1			

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo2apr.wr1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 1

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
										1	15.8	95	
-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											
-16	N	NO VISIBLE GOLD											
-17	N	NO VISIBLE GOLD											
-18	N	200 X 250	42 C	1						1			
										1	12.2	1313	
26-01	N	200 X 200	38 C	1						1			
										1	17.0	671	
-02	N	100 X 200	29 C	1						1			
										1	14.8	334	
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo2apr.wr1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 1

SAMPLE #	PANNED			ABRADED		IRREGULAR		DELICATE		TOTAL NON MAG	CALC V.G. ASSAY	
	Y/N	DIAMETER	THICKNESS	T	P	T	P	T	P	GMS	PPB	REMARKS
BOB-87												
26-12	N	NO VISIBLE GOLD										

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO3APR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 4

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
26-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											
-16	N	NO VISIBLE GOLD											
-17	N	NO VISIBLE GOLD											
-18	N	200 X 250	42 C	1						1			
										1	21.9	731	
-19	N	NO VISIBLE GOLD											
-20	N	100 X 125	22 C	1						1			
										1	18.5	115	
-21	N	NO VISIBLE GOLD											
-22	N	NO VISIBLE GOLD											
-23	N	NO VISIBLE GOLD											
27-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	Y	25 X 25	5 C		1					1			EST. 3% PYRITE
		75 X 100	18 C		1					1			
		100 X 100	20 C		1					1			
		100 X 125	22 C	1						1			
		200 X 300	46 C	1						1			
										5	20.5	1265	
-06	Y	50 X 50	10 C		1					1			EST. 7% PYRITE
		50 X 75	13 C	1						1			
		200 X 200	38 C	1						1			
										3	22.7	527	

GOLD CLASSIFICATION
==========

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COB03APR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 4

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL NON MAG	CALC V.G. ASSAY GMS	CALC V.G. ASSAY FPB	REMARKS
BOB-B7													
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	100 X 150	25 C	1						1			
										1	14.4	201	
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											
-14	N	75 X 100	18 C	1						1			
										1	15.0	67	
28-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	Y	50 X 50	10 C		1					1			EST. 1% PYRITE
		150 X 150	29 C	1						1			
		250 X 400	58 C	1						1			
										3	11.1	4579	
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
29-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO3APR.WR1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 4

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-B7													
-05	N	NO VISIBLE GOLD											
-06	Y	75 X 100	18 C	1						1			EST. 3% PYRITE
		100 X 125	22 C	1						1			
										2	25.2	124	
-07	N	NO VISIBLE GOLD											
29-08	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO4APR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 3

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
29-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
-13	N	50 X 75	13 C	1						1			
										1	14.9	25	
-14	N	300 X 400	61 C	1						1			
										1	15.6	3607	
-15	N	NO VISIBLE GOLD											
30-01	N	500 X 550	83 C	1						1			
										1	15.4	11099	
-02	N	NO VISIBLE GOLD											
-03	Y	50 X 50	10 C		2					2			EST. 3% PYRITE
		75 X 100	18 C	1						1			
		75 X 200	27 C			1				1			
		100 X 125	22 C		1					1			
										5	22.5	326	
-04	Y	25 X 25	5 C		1					1			EST. 1% PYRITE
		50 X 50	10 C		1					1			
		50 X 100	15 C				1			1			
		75 X 100	18 C	2						2			
										5	13.4	215	
-05	N	125 X 225	34 C	1						1			
										1	14.9	519	
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COB04APR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 3

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-09	N	NO VISIBLE GOLD											
-10	N	225 X 275	46 C	1						1			
										1	14.4	1506	
-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											
-16	N	NO VISIBLE GOLD											
-17	N	NO VISIBLE GOLD											
-18	N	NO VISIBLE GOLD											
-19	N	NO VISIBLE GOLD											
-20	Y	NO VISIBLE GOLD											EST. 50% PYRITE
31-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	250 X 500	65 C	1						1			

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COB04APR.WRI NUMBER OF GRAINS
TOTAL # OF PANNINGS 3

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87										1 16.6	4110	
-11	N	NO VISIBLE GOLD										
-12	N	NO VISIBLE GOLD										
31-13	N	NO VISIBLE GOLD										

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO5APR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 4

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
31-14	N	125 X 175	29 C	1						1			
										1	17.8	277	
-15	Y	75 X 75	15 C		1					1			EST. 5% PYRITE
		75 X 125	20 C	2						2			
		150 X 225	36 C	1						1			
										4	15.9	824	
-16	N	175 X 225	38 C	1						1			
										1	15.6	731	
-17	N	NO VISIBLE GOLD											
-18	Y	25 X 25	5 C		1					1			EST. 1% PYRITE
		50 X 100	15 C	1						1			
		200 X 325	48 C	1						1			
										3	17.9	1430	
-19	N	NO VISIBLE GOLD											
-20	N	NO VISIBLE GOLD											
-21	N	NO VISIBLE GOLD											
-22	N	NO VISIBLE GOLD											
-23	N	NO VISIBLE GOLD											
32-01	N	175 X 375	50 C	1						1			
										1	22.1	1288	
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	100 X 225	31 C	1						1			
										1	17.4	358	

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOSAPR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 4

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	Y	50 X 50	10 C						1	1			EST. 10% PYRITE
		75 X 175	25 C	1						1			
		125 X 175	29 C	1						1			
										3	15.5	517	
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											
33-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	75 X 125	20 C	1						1			
										1	14.4	104	
-04	Y	25 X 25	5 C		1					1			EST. 1% PYRITE
		50 X 150	20 C		1					1			
		150 X 350	46 C	1						1			
		350 X 350	61 C	1						1			
		500 X 700	90 C	1						1			
										5	21.6	14930	
-05	N	75 X 200	27 C			1				1			
										1	21.1	181	
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOSAPR.WR1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 4

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL NON MAG	CALC V.G. ASSAY GMS	ASSAY PPB	REMARKS
BOB-87													
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
34-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
34-03	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO6APR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 4

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
34-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
-13	Y	100 X 225	31 C		1					1			EST. 3% PYRITE 15% MARCASITE PELLETS
										1	22.2	281	
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											
-16	N	NO VISIBLE GOLD											
-17	N	NO VISIBLE GOLD											
35-01	N	100 X 200	29 C	1						1			
										1	13.3	371	
-02	N	NO VISIBLE GOLD											
-03	N	100 X 125	22 C	1						1			
										1	26.9	79	
-04	Y	50 X 50	10 C				1			1			EST. 3% PYRITE 75 MARCASITE PELLETS
		75 X 175	25 C	1						1			
		175 X 225	38 C	1						1			
										3	18.9	766	
-05	Y	25 X 25	5 C			2				2			EST. 3% PYRITE

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO6APR.WR1
TOTAL # OF PANNINGS 4

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
		50 X 75	13 C						1	1			
		50 X 100	15 C				1			1			
		100 X 125	22 C	1						1			
		200 X 225	40 C	1						1			
										6	13.5	1242	
-06	N	NO VISIBLE GOLD											
-07	N	75 X 100	18 C	1						1			
										1	6.2	163	
-08	N	75 X 150	22 C	1						1			
										1	14.6	145	
-09	N	NO VISIBLE GOLD											
36-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	Y	25 X 25	5 C		1					1			EST. 3% PYRITE
		75 X 75	15 C		1					1			
		75 X 125	20 C	1						1			
		100 X 125	22 C	1						1			
										4	14.5	296	
-05	N	150 X 150	29 C	1						1			
										1	16.0	308	
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COB06APR.WR1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 4

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY FPB	REMARKS
BOB-87													
-12	N	75 X 75	15 C	1						1			
										1	17.0	38	
-13	N	75 X 100	18 C	1						1			
										1	13.3	76	
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											
37-01	N	100 X 150	25 C	1						1			
										1	19.2	151	
37-02	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo7apr.wr1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 1

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-97													
37-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	325 X 425	65 C	1						1			
										1	19.2	3553	
-08	N	NO VISIBLE GOLD											
-09	N	300 X 300	54 C	1						1			
										1	16.7	2183	
-10	N	100 X 150	25 C	1						1			
										1	32.2	90	
-11	N	125 X 125	25 C	1						1			
										1	21.6	134	
-12	N	100 X 175	27 C	1						1			
										1	24.6	156	
-13	N	NO VISIBLE GOLD											
-14	N	75 X 100	18 C	1						1			
										1	16.3	62	
-15	N	NO VISIBLE GOLD											
-16	N	NO VISIBLE GOLD											
-17	N	NO VISIBLE GOLD											
-18	N	NO VISIBLE GOLD											
-19	N	NO VISIBLE GOLD											
-20	Y	50 X 100	15 C	1						1			EST. 1% PYRITE

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo7apr.wr1
TOTAL # OF PANNINGS 1

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-97													
		75 X 100	18 C		1					1			
		125 X 175	29 C	1						1			
										3	24.3	271	
-21	N	300 X 400	61 C	1						1			
										1	15.5	3631	
-22	N	NO VISIBLE GOLD											
-23	N	400 X 500	74 C	1						1			
										1	14.6	7724	
38-01	N	100 X 150	25 C	1						1			
										1	18.2	159	
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											

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GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo7apr.wr1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 1

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-97													
-16	N	NO VISIBLE GOLD											
39-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
39-03	N	100 X 150	25 C	1						1			
										1	20.2	143	

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOBAPR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 2

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY FPB	REMARKS
BOB-87													
39-04	N	NO VISIBLE GOLD											
-05	N	75 X 75	15 C	1						1			
										1	17.5	37	
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	100 X 175	27 C	1						1			
										1	17.4	220	
-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											
-16	N	75 X 125	20 C	1						1			
										1	15.9	94	
-17	N	NO VISIBLE GOLD											
41-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
42-01	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOBAPR.WR1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 2

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	Y	100 X 125	22 C	2						2			EST. 3% PYRITE
										2	21.1	201	
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
43-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	Y	NO VISIBLE GOLD											EST. 3% PYRITE 3% MARCASITE PELLETS
45-01	N	NO VISIBLE GOLD											
46-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
47-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
47-03	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo9apr.wr1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 8

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
47-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	Y	25 X 50	8 C		1					1			EST. 10% PYRITE
										1	18.4	4	
49-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
51-01	N	NO VISIBLE GOLD											
-02	Y	NO VISIBLE GOLD											EST. 10% PYRITE
52-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
53-01	N	NO VISIBLE GOLD											
54-01	N	NO VISIBLE GOLD											
-02	N	125 X 150	27 C	1						1			
										1	29.9	128	
-03	N	150 X 250	38 C	1						1			
										1	21.6	528	
55-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	150 X 175	31 C	1						1			
										1	20.6	303	
-05	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo9apr.wr1
TOTAL # OF PANNINGS 8

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-06	Y	50 X 75	13 C	2						2			EST. 2% PYRITE
		75 X 125	20 C		1					1			
		150 X 200	34 C	1						1			
		300 X 350	58 C	1						1			
										5	21.1	2639	
-07	Y	100 X 125	22 C	1						1			EST. 1% PYRITE
										1	18.8	113	
56-01	N	NO VISIBLE GOLD											
-02	Y	100 X 150	25 C	1						1			EST. 1% PYRITE
		175 X 200	36 C	1						1			
										2	21.8	566	
-03	Y	125 X 150	27 C	1						1			EST. 0.5% PYRITE
		175 X 200	36 C		1					1			
		200 X 275	44 C	1						1			
		250 X 275	48 C	1						1			
		400 X 675	84 C	1						1			
										5	25.3	9443	
57-01	N	NO VISIBLE GOLD											
-02	N	100 X 125	22 C	1						1			
										1	16.8	126	
58-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
59-01	N	250 X 300	50 C	1						1			
										1	18.1	1573	
-02	N	100 X 125	22 C	1						1			
										1	20.6	103	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo9apr.wr1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 8

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-03	N	NO VISIBLE GOLD											
-04	N	100 X 200	29 C			1				1			
										1	25.9	191	
-05	N	NO VISIBLE GOLD											
60-01	N	NO VISIBLE GOLD											
-02	Y	100 X 150	25 C	1						1			EST. 3% PYRITE
		150 X 150	29 C	1						1			
										2	18.8	416	
-03	N	NO VISIBLE GOLD											
-04	Y	50 X 50	10 C					1		1			EST. 1% PYRITE
		100 X 250	34 C	1						1			
		200 X 300	46 C	1						1			
		225 X 600	70 C		1					1			
										4	19.5	6074	
61-01	N	NO VISIBLE GOLD											
61-02	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOAAPR.WR1
TOTAL # OF PANNINGS 8

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
61-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	Y	50 X 75	13 C		1					1			EST. 1% PYRITE
		75 X 100	18 C	1						1			
		125 X 175	29 C			1				1			
										3	15.9	397	
-12	N	125 X 150	27 C	1						1			
										1	26.5	144	
-13	Y	150 X 200	34 C	1						1			EST. 1% PYRITE
		175 X 300	44 C		1					1			1 GRAIN GALENA
		175 X 600	66 C		1					1			
		300 X 425	63 C	1						1			
										4	28.6	5708	
62-01	Y	25 X 50	8 C		1					1			EST. 7% PYRITE
		50 X 75	13 C	1						1			
		75 X 200	27 C	1						1			
										3	15.1	284	
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOAAPR.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 8

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-06	Y	50 X 50	10 C		1					1			EST. 55% PYRITE
		100 X 125	22 C		1					1			
										2	26.3	88	
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
63-01	N	NO VISIBLE GOLD											
64-01	N	NO VISIBLE GOLD											
-02	N	450 X 550	80 C	1						1			
										1	21.5	6977	
-03	N	NO VISIBLE GOLD											
65-01	N	175 X 200	36 C	1						1			
										1	30.4	311	
-02	N	NO VISIBLE GOLD											
-03	Y	75 X 100	18 C		1					1			EST. 1% PYRITE
		75 X 125	20 C		1					1			
		100 X 200	29 C	1						1			
		300 X 300	54 C	1						1			
										4	22.9	1917	
-04	Y	100 X 150	25 C	1						1			EST. 0.25% PYRITE
		100 X 175	27 C	1						1			
										2	32.0	210	
66-01	N	NO VISIBLE GOLD											
67-01	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOAAPR.WR1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 8

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-05	Y	50 X 75	13 C	1						1			EST. 3% PYRITE
		75 X 75	15 C		1					1			
		75 X 100	18 C		1					1			
		100 X 200	29 C		1					1			
		150 X 200	34 C	1						1			
										5	14.5	1014	
-06	N	NO VISIBLE GOLD											
-07	N	50 X 100	15 C	1						1			
										1	14.0	46	
70-01	N	100 X 300	38 C	1						1			
										1	30.3	376	
-02	Y	25 X 100	13 C		1					1			EST. 3% PYRITE
										1	100.2	4	
72-01	N	50 X 75	13 C	1						1			
										1	15.2	25	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOBAPR.WR1
TOTAL # OF PANNINGS 6

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
72-02	Y	75 X 100	18 C	1						1			EST. 1% PYRITE
		75 X 125	20 C	1						1			
										2	15.3	164	
-03	N	75 X 125	20 C	1						1			
										1	12.2	123	
73-01	N	NO VISIBLE GOLD											
74-01	N	NO VISIBLE GOLD											
-02	N	150 X 225	36 C	1						1			
										1	16.1	587	
77-01	N	75 X 100	18 C	1						1			
										1	20.2	50	
-02	N	NO VISIBLE GOLD											
78-01	N	NO VISIBLE GOLD											
-02	N	150 X 200	34 C	1						1			
										1	24.9	311	
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	Y	100 X 100	20 C	1						1			EST. 1% PYRITE
		150 X 300	42 C	1						1			
										2	23.6	742	
79-01	N	150 X 150	29 C	1						1			
										1	32.6	151	
-02	N	NO VISIBLE GOLD											
80-01	Y	25 X 25	5 C		1					1			EST. 20% PYRITE
		50 X 50	10 C		1					1			
		75 X 100	18 C		1					1			

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOBAPR.WR1
TOTAL # OF PANNINGS 6

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
										3	37.1	33	
82-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	Y	75 X 75	15 C				1			1			EST. 1% PYRITE
		125 X 150	27 C	1						1			
		150 X 250	38 C	1						1			
										3	21.3	745	
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
B3-01	N	NO VISIBLE GOLD											
B4-01	N	NO VISIBLE GOLD											
-02	N	50 X 150	20 C	1						1			
										1	17.9	84	
-03	N	NO VISIBLE GOLD											
-04	N	150 X 150	29 C	1						1			
										1	25.1	197	
-05	N	150 X 200	34 C	1						1			

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOBAPR.WR1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 6

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
										1	28.7	270	
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
85-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	Y	150 X 200	34 C	1						1			
										1	21.2	365	
-04	N	50 X 100	15 C	1						1			
										1	17.3	37	
85-05	Y	50 X 75	13 C	1						1			EST. 3% PYRITE
		75 X 100	18 C	2						2			
		100 X 150	25 C	1						1			
										4	15.6	339	

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOCAPR.WR1
TOTAL # OF PANNINGS 7

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
85-06	N	NO VISIBLE GOLD											
-07	N	150 X 200	34 C			1				1			
										1	22.8	339	
-08	N	150 X 175	31 C	1						1			
										1	22.6	276	
-09	N	NO VISIBLE GOLD											
86-01	N	150 X 200	34 C	1						1			
										1	17.0	455	
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	150 X 175	31 C	1						1			
										1	18.0	346	
-05	Y	25 X 25	5 C		1					1			EST. 3% PYRITE
		125 X 175	29 C	1						1			
		200 X 250	42 C	1						1			
		250 X 275	48 C	1						1			
										4	16.7	2749	
87-01	N	NO VISIBLE GOLD											
-02	N	150 X 200	34 C	1						1			
										1	21.0	368	
-03	N	150 X 400	50 C	1						1			
										1	16.5	1725	
88-01	Y	50 X 100	15 C	2						2			EST. 3% PYRITE
		75 X 75	15 C		1					1			
		150 X 225	36 C	1						1			
										4	18.7	608	

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOCAPR.WR1
TOTAL # OF PANNINGS 7

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-02	Y	50 X 75	13 C	2						2			EST. 5% PYRITE
		100 X 150	25 C		1					1			
										3	16.1	226	
-03	Y	50 X 75	13 C	1						1			EST. 10% PYRITE
		75 X 125	20 C		1					1			
		75 X 150	22 C	1						1			
		100 X 150	25 C		1					1			
										4	17.4	396	
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	Y	NO VISIBLE GOLD											EST. 20% PYRITE
89-01	N	NO VISIBLE GOLD											
-02	Y	50 X 75	13 C	1						1			EST. 7% PYRITE
		75 X 100	18 C	1						1			
										2	21.3	65	
-03	N	NO VISIBLE GOLD											
-04	Y	50 X 75	13 C		1					1			EST. 0.5% PYRITE
		100 X 150	25 C	1						1			
		100 X 250	34 C	1						1			
										3	17.2	640	
-05	N	50 X 125	18 C	1						1			
										1	21.3	47	
-06	N	75 X 100	18 C	1						1			
										1	18.3	55	
-07	N	175 X 450	56 C			1				1			
										1	24.1	1698	
-08	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOCAFR.WR1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 7

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
90-01	N	NO VISIBLE GOLD											
-02	N	175 X 475	58 C	1						1			
										1	19.6	2332	
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	50 X 50	10 C	1						1			
										1	19.9	10	
-06	N	50 X 75	13 C	1						1			
										1	19.5	19	
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
90-12	N	100 X 150	25 C	1						1			
										1	20.4	142	

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobodapr.wr1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 3

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY FPB	REMARKS
BOB-87													
90-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
91-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	75 X 100	18 C	1						1			
										1	23.6	43	
-05	N	NO VISIBLE GOLD											
-06	N	100 X 100	20 C			1				1			
										1	26.6	56	
-07	N	NO VISIBLE GOLD											
92-01	N	75 X 100	18 C	1						1			
										1	20.1	50	
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
93-01	N	150 X 200	34 C	1						1			
										1	15.9	487	
-02	N	200 X 400	54 C	1						1			
										1	20.3	1796	
-03	N	NO VISIBLE GOLD											
-04	Y	50 X 50	10 C		1			1		2			EST. 1% PYRITE
		75 X 75	15 C		1					1			
		75 X 100	18 C		1					1			
		100 X 150	25 C		1					1			
		125 X 200	31 C			1				1			
		175 X 200	36 C	1						1			

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobodapr.wr1
TOTAL # OF PANNINGS 3

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL =====	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87										7	18.3	1092	
-05	N	125 X 175	29 C	1						1			
										1	26.4	187	
-06	Y	50 X 75	13 C		1					1			EST. 1% PYRITE
		150 X 150	29 C	1						1			
		200 X 275	44 C	1						1			
										3	21.8	1102	
94-01	N	NO VISIBLE GOLD											
-02	N	250 X 350	54 C	1						1			
										1	19.4	1879	
-03	N	100 X 100	20 C	1						1			
										1	18.9	79	
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	Y	75 X 100	18 C					1		1			EST. 3% PYRITE
		75 X 125	20 C			1				1			
		100 X 225	31 C			1				1			
										3	24.3	360	
95-01	N	NO VISIBLE GOLD											
-02	N	150 X 225	36 C	1						1			
										1	19.3	490	
-03	N	100 X 150	25 C	1						1			
										1	19.0	152	
-04	N	50 X 50	10 C	1						1			
										1	18.3	11	

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobodapr.wrl NUMBER OF GRAINS
TOTAL # OF PANNINGS 3

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
95-05	N	450 X 550	80 C	1						1			
										1	19.8	7576	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO1JUL.WR1 TOTAL # OF PANNINGS 8

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
96-01	Y	50 X 50	10 C		1					1			NO SULPHIDES
		50 X 75	13 C	1						1			
		75 X 125	20 C	1						1			
										3	32.6	63	
-02	N	50 X 75	13 C	1						1			
										1	25.3	15	
-03	N	NO VISIBLE GOLD											
-04	N	50 X 50	10 C	1						1			
										1	23.7	8	
-05	N	75 X 75	15 C	1						1			
										1	19.3	33	
-06	N	50 X 50	10 C	1						1			
										1	19.8	10	
-07	N	50 X 75	13 C	1						1			
										1	17.0	22	
-08	N	100 X 175	27 C	1						1			
										1	18.6	206	
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	Y	50 X 100	15 C	1						1			EST. 2% PYRITE
		175 X 200	36 C	1						1			
										2	23.0	439	
-13	Y	25 X 25	5 C		1					1			EST. 1% PYRITE
		50 X 50	10 C	1						1			
		75 X 100	18 C		2					2			
		100 X 125	22 C	1						1			

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO1JUL.WR1 NUMBER OF GRAINS

TOTAL # OF PANNINGS B

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
										5	23.5	186	
-14	Y	50 X 50	10 C		1					1			EST. 1% PYRITE
		50 X 100	15 C	1						1			
		75 X 75	15 C	1						1			
		75 X 100	18 C		1					1			
										4	18.6	134	
-15	N	NO VISIBLE GOLD											
-16	N	50 X 50	10 C	1						1			
										1	21.1	9	
97-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	Y	50 X 75	13 C	1						1			NO SULPHIDES
		75 X 75	15 C		1					1			
		200 X 200	38 C	1						1			
										3	23.2	535	
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	175 X 225	38 C	1						1			
										1	28.8	396	
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO1JUL.WR1

TOTAL # OF PANNINGS 8

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-14	Y	25 X 25	5 C		1					1			EST. 2% PYRITE
		25 X 50	8 C	1						1			
		50 X 75	13 C	1	1					2			
		75 X 100	18 C		2					2			
										6	32.2	89	
-15	Y	25 X 25	5 C		1					1			EST. 1% PYRITE
		50 X 50	10 C	2						2			
		50 X 75	13 C	1						1			
										4	30.5	26	
98-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	Y	125 X 150	27 C	1						1			EST. 1% PYRITE
		125 X 275	38 C	1						1			
										2	28.5	534	
-07	N	100 X 100	20 C	1						1			
										1	26.0	58	
-08	N	25 X 50	8 C	1						1			
										1	14.2	6	
98-09	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo2jul.wr1
TOTAL # OF PANNINGS 16

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
98-10	N	50 X 75	13 C	1						1			
										1	19.6	19	
-11	N	75 X 100	18 C	1						1			
										1	23.4	43	
-12	N	NO VISIBLE GOLD											
99-01	N	NO VISIBLE GOLD											
-02	N	100 X 125	22 C	1						1			
										1	14.2	149	
-03	N	NO VISIBLE GOLD											
-04	Y	25 X 50	8 C		2					2			EST. 1% PYRITE
		50 X 75	13 C	1						1			
		75 X 75	15 C	2						2			
		75 X 100	18 C	1						1			
										6	25.2	112	
100-01	N	175 X 250	40 C	1						1			
										1	26.3	516	
-02	N	75 X 100	18 C	1						1			
										1	24.4	41	
-03	N	50 X 75	13 C	1						1			
										1	22.6	17	
-04	N	NO VISIBLE GOLD											
-05	Y	50 X 50	10 C		2					2			EST. 2% PYRITE
		50 X 75	13 C	1						1			
		50 X 100	15 C		1					1			
		75 X 100	18 C	1						1			
										5	27.9	86	
-06	Y	25 X 25	5 C		1					1			EST. 2% PYRITE

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo2jul.wr1
TOTAL # OF PANNINGS 16

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
		25 X 75	10 C		1					1			
		50 X 75	13 C	1						1			
		75 X 75	15 C		1					1			
		75 X 100	18 C	1						1			
		100 X 100	20 C		1					1			
										6	23.2	161	
-07	Y	25 X 50	8 C	1						1			EST. 2% PYRITE
		50 X 50	10 C	1						1			
		50 X 75	13 C		1					1			
										3	24.1	27	
-08	Y	25 X 25	5 C		1					1			EST. 2% PYRITE
		25 X 75	10 C	2						2			
		50 X 50	10 C	1						1			
		50 X 100	15 C	1						1			
		75 X 125	20 C	1						1			
										6	23.3	118	
-09	N	NO VISIBLE GOLD											
-10	Y	25 X 50	8 C		1					1			EST. 1% PYRITE
		75 X 100	18 C	1						1			
		100 X 125	22 C	1						1			
										3	23.7	136	
-11	Y	50 X 50	10 C	1						1			EST. 1% PYRITE
		50 X 75	13 C	1						1			
		75 X 75	15 C	1	1					2			
		75 X 100	18 C	1	1					2			
										6	21.5	180	
-12	Y	50 X 100	15 C	1						1			EST. 1% PYRITE
		75 X 100	18 C	1						1			
										2	16.9	98	
-13	N	100 X 125	22 C	1						1			
										1	23.4	91	
-14	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo2jul.wr1

TOTAL # OF PANNINGS 16

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL NON MAG	CALC V.G. ASSAY GMS	ASSAY PPB	REMARKS
BOB-87													
-15	N	100 X 100	20 C	1						1			
										1	33.0	45	
-16	Y	75 X 75	15 C	1						1			EST. 1% PYRITE
		100 X 100	20 C	1						1			
		100 X 125	22 C	1						1			
										3	39.5	108	
-17	Y	25 X 50	8 C	1	2					3			EST. 1% PYRITE
		50 X 75	13 C	1	1					2			
		75 X 100	18 C	1						1			
										6	33.7	59	
-18	Y	25 X 50	8 C		1					1			EST. 1% PYRITE
		50 X 50	10 C		1					1			
		50 X 75	13 C		1					1			
		50 X 100	15 C	1						1			
		75 X 100	18 C	1						1			
										5	41.0	56	
101-01	N	NO VISIBLE GOLD											
-02	N	75 X 125	20 C	1						1			
										1	26.8	56	
-03	N	25 X 75	10 C	1						1			
										1	39.6	5	
-04	N	75 X 75	15 C	1						1			
										1	39.6	16	
-05	Y	50 X 50	10 C		3					3			EST. 2% PYRITE
		75 X 125	20 C					1		1			
		100 X 150	25 C	1						1			
		125 X 200	31 C	1						1			
		200 X 250	42 C	1						1			
										7	36.6	744	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo2jul.wr1
TOTAL # OF PANNINGS 16

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-06	Y	25 X 50	8 C				1			1			EST. 2% PYRITE
		50 X 50	10 C		1					1			
		50 X 75	13 C	1						1			
		125 X 200	31 C	1						1			
		175 X 250	40 C	1						1			
										5	36.0	569	
-07	N	NO VISIBLE GOLD											
-08	Y	50 X 50	10 C		1					1			EST. 2% PYRITE
		50 X 75	13 C		1					1			
		50 X 100	15 C		1					1			
		100 X 100	20 C	1						1			
		125 X 175	29 C	1						1			
										5	28.9	264	
-09	Y	50 X 75	13 C	1	1					2			EST. 1% PYRITE
		75 X 100	18 C	1						1			
										3	30.0	59	
-10	N	100 X 150	25 C	1						1			
										1	31.1	93	
-11	N	NO VISIBLE GOLD											
-12	N	75 X 100	18 C	1						1			
										1	34.7	29	
-13	N	NO VISIBLE GOLD											
-14	Y	25 X 50	8 C		1					1			EST. 1% PYRITE
		50 X 50	10 C		1					1			
		100 X 125	22 C	1						1			
		150 X 275	40 C	1						1			
										4	31.1	514	
101-15	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO3JUL.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 8

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-B7													
102-01	N	NO VISIBLE GOLD											
-02	N	275 X 275	50 C	1						1			
										1	19.3	1475	
-03	N	75 X 150	22 C	1						1			
										1	19.9	107	
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	Y	25 X 50	8 C		2					2			EST. 2% PYRITE
		25 X 75	10 C		1					1			
		50 X 50	10 C		2					2			
		75 X 100	18 C	1						1			
		100 X 150	25 C	1						1			
		150 X 200	34 C	1						1			
										8	35.6	348	
-07	N	NO VISIBLE GOLD											
-08	N	100 X 125	22 C	1						1			
										1	25.7	83	
-09	N	100 X 200	29 C	1						1			
										1	27.3	181	
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											
103-01	N	50 X 75	13 C	1						1			
										1	26.8	14	
-02	Y	25 X 25	5 C		1					1			EST. 1% PYRITE
		50 X 50	10 C	1						1			1 GRAIN GALENA

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO3JUL.WR1
TOTAL # OF PANNINGS 8

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
		50 X 75	13 C	1						1			
		50 X 75	50 M		1					1			
		75 X 75	15 C		1					1			
										5	24.7	109	
-03	Y	25 X 25	5 C		1					1			EST. 1% PYRITE
		50 X 50	10 C		1					1			
		75 X 125	20 C	1						1			
		175 X 300	44 C	1						1			
										4	23.0	888	
-04	Y	50 X 75	13 C		1					1			EST. 1% PYRITE
		75 X 100	18 C	1						1			
		100 X 100	20 C	1						1			
										3	23.0	125	
-05	N	125 X 175	29 C	1						1			
										1	16.8	294	
-06	N	125 X 150	27 C	1						1			
										1	16.3	235	
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	125 X 175	29 C	1						1			
										1	26.0	190	
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO3JUL.WR1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 8

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL NON MAG	CALC V.G. ASSAY GMS	ASSAY PPB	REMARKS
BOB-87													
-16	N	NO VISIBLE GOLD											
-17	N	NO VISIBLE GOLD											
104-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	Y	50 X 50	10 C	1	3					4			EST. 1% PYRITE
		75 X 75	15 C		1					1			
		125 X 125	25 C	1						1			
										6	25.1	171	
-06	Y	25 X 50	8 C		2		1			3			EST. 2% PYRITE
		50 X 50	10 C		2					2			
		50 X 75	13 C	2						2			
										7	28.2	49	
-07	Y	25 X 25	5 C		1					1			EST. 2% PYRITE
		25 X 50	8 C				1			1			
		50 X 50	10 C	1						1			
		75 X 125	20 C	1						1			
										4	26.0	69	
-08	N	75 X 75	15 C	1						1			
										1	20.3	32	
-09	N	NO VISIBLE GOLD											
104-10	Y	25 X 50	8 C		1					1			EST. 1% PYRITE
		50 X 50	10 C	1						1			
		50 X 100	15 C		1					1			
		75 X 75	15 C	1						1			
		100 X 100	20 C	1						1			
										5	29.3	104	

GOLD CLASSIFICATION
==========

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

C0804JUL.WR1 — NUMBER OF GRAINS
TOTAL # OF PANNINGS 10

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
104-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
-13	N	75 X 100	18 C	1						1			
										1	44.1	23	
-14	Y	50 X 50	10 C		1					1			EST. 2% PYRITE
		100 X 150	25 C	1						1			
		175 X 200	36 C	1						1			
										3	31.9	393	
-15	N	200 X 475	59 C	1						1			
										1	37.9	1341	
-16	N	75 X 100	18 C	1						1			
										1	25.3	40	
-17	N	NO VISIBLE GOLD											
-18	Y	25 X 50	8 C		1					1			EST. 1% PYRITE
		50 X 50	10 C		1					1			
		50 X 75	13 C		2					2			
		50 X 100	15 C		1					1			
		100 X 125	22 C	1						1			
		175 X 300	44 C	1						1			
										7	32.0	703	
-19	Y	50 X 50	10 C		1					1			EST. 1% PYRITE
		50 X 75	13 C	1						1			
										2	36.0	16	
105-01	Y	75 X 100	18 C		1					1			EST. 1% PYRITE
		150 X 275	40 C	1						1			
		150 X 325	44 C	1						1			
		200 X 325	48 C	1						1			
										4	31.1	1873	
-02	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COB04JUL.WR1
TOTAL # OF PANNINGS 10

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-03	N	75 X 100	18 C	1						1			
										1	33.1	31	
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	Y	50 X 50	10 C	1						1			EST. 2% PYRITE
		50 X 100	15 C	1						1			
		75 X 75	15 C		1					1			
										3	33.9	43	
-07	Y	50 X 75	13 C		1					1			EST. 2% PYRITE
		100 X 100	20 C	1						1			
		200 X 300	46 C	1						1			
										3	37.3	631	
-08	N	NO VISIBLE GOLD											
106-01	N	NO VISIBLE GOLD											
-02	N	50 X 75	13 C	1						1			
										1	25.9	14	
-03	N	NO VISIBLE GOLD											
-04	Y	25 X 25	5 C		1					1			EST. 1% PYRITE
		50 X 50	10 C	1						1			
		50 X 75	13 C		1					1			
		75 X 75	15 C	2						2			
										5	21.6	87	
-05	Y	25 X 50	8 C		1					1			EST. 1% PYRITE
		50 X 75	13 C	1						1			
		50 X 100	15 C	1						1			
		75 X 75	75 M		1					1			
										4	21.5	198	
-06	Y	50 X 75	13 C	2	1					3			EST. 1% PYRITE
										3	10.3	109	

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COB04JUL.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 10

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	100 X 100	20 C	1						1			
										1	24.9	60	
-10	N	75 X 100	18 C	1						1			
										1	20.0	51	
-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											
-16	N	100 X 175	27 C	1						1			
										1	25.7	149	
-17	N	NO VISIBLE GOLD											
-18	Y	25 X 25	5 C		1					1			EST. 2% PYRITE
		25 X 50	8 C		2					2			
		50 X 50	10 C	1						1			
		100 X 125	22 C		1					1			
		125 X 200	31 C	1						1			
										6	27.5	318	
107-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	25 X 75	10 C	1						1			
										1	34.0	6	
-04	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO4JUL.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 10

SAMPLE #	PANNED			ABRADED		IRREGULAR		DELICATE		TOTAL	NON MAG	CALC V.G. ASSAY	
	Y/N	DIAMETER	THICKNESS	T	P	T	P	T	P		GMS	PPB	REMARKS
BOB-87													
107-05	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO1AUG.WR1 — NUMBER OF GRAINS
TOTAL # OF PANNINGS 16

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
107-06	N	375 X 400	66 C	1						1			
										1	21.6	3460	
-07	N	NO VISIBLE GOLD											
-08	Y	25 X 50	8 C		2					2			EST. 1% PYRITE
		50 X 50	10 C		1					1			
		50 X 75	13 C	1	1					2			
		75 X 100	18 C	1						1			
										6	24.0	88	
-09	Y	25 X 50	8 C		1					1			EST. 1% PYRITE
		50 X 75	13 C	1						1			
		75 X 100	18 C		1					1			
		100 X 150	25 C	1						1			
										4	22.9	190	
-10	Y	25 X 25	5 C		1					1			EST. 1% PYRITE
		25 X 75	10 C	1	1					2			
		50 X 75	13 C	2						2			
		75 X 100	18 C	1						1			
										6	19.9	109	
-11	N	50 X 150	20 C	1						1			
										1	17.1	88	
-12	N	75 X 75	15 C	1						1			
										1	18.5	35	
-13	Y	25 X 75	10 C	1						1			EST. 1% PYRITE
		50 X 50	10 C	1						1			
		50 X 75	13 C		1					1			
		75 X 125	20 C	1						1			
										4	17.4	130	
-14	N	50 X 100	15 C	1						1			
										1	16.1	40	
-15	Y	50 X 50	10 C	1	1					2			EST. 0.5% PYRITE

GOLD CLASSIFICATION
==========

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO1AUG.WR1
TOTAL # OF PANNINGS 16

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY FPB	REMARKS
BOB-87													
		50 X 75	13 C		1					1			
										3	20.3	37	
-16	N	NO VISIBLE GOLD											
-17	N	100 X 125	22 C	1						1			
										1	21.1	101	
-18	N	50 X 100	15 C	1						1			
										1	28.0	23	
-19	N	100 X 100	20 C	1						1			
										1	33.9	44	
-20	N	75 X 75	15 C	1						1			
										1	40.2	16	
-21	N	50 X 100	15 C	1						1			
										1	29.4	22	
-22	Y	25 X 50	8 C		2					2			EST. 2% PYRITE
		25 X 75	10 C		2					2			
		50 X 50	10 C		1					1			
		50 X 75	13 C		1					1			
		75 X 100	18 C	1						1			
		75 X 125	20 C	1						1			
		100 X 125	22 C	1						1			
										9	27.2	211	
108-01	Y	25 X 50	8 C		1					1			EST. 5% PYRITE
		50 X 75	13 C	1						1			
		125 X 150	27 C	1						1			
		175 X 325	46 C	1						1			
										4	35.8	725	
-02	N	75 X 100	18 C	1						1			
										1	30.2	33	

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO1AUG.WR1 — NUMBER OF GRAINS

TOTAL # OF PANNINGS 16

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-03	Y	25 X 50	8 C	1						1			EST. 0.5% PYRITE
		75 X 75	15 C	1						1			
		75 X 100	18 C		1					1			
										3	23.0	75	
-04	Y	25 X 25	5 C		1					1			EST. 2% PYRITE
		25 X 50	8 C	1						1			
		50 X 75	13 C	2						2			
		50 X 100	15 C		1					1			
		75 X 100	18 C	1						1			
										6	27.0	93	
-05	Y	25 X 25	5 C		1					1			NO SULPHIDES
		100 X 150	25 C	2						2			
										3	27.7	210	
-06	Y	25 X 25	5 C		1					1			EST. 10 GRAINS PYRITE
		50 X 50	10 C		2					2			
		50 X 75	13 C	1						1			
		75 X 75	15 C	1						1			
		100 X 150	25 C		1					1			
										6	23.9	181	
-07	Y	25 X 25	5 C		1					1			EST. 1% PYRITE
		25 X 50	8 C		1					1			
		50 X 75	13 C	1						1			
		50 X 125	18 C	1						1			
		100 X 150	25 C	1						1			
		100 X 175	27 C		1					1			
										6	26.8	306	
-08	N	50 X 50	10 C	1						1			
										1	27.7	7	
-09	N	NO VISIBLE GOLD											
-10	Y	25 X 75	10 C		1					1			EST. 1% PYRITE
		50 X 50	10 C	1						1			
		50 X 75	13 C	1						1			
		100 X 150	25 C	1						1			

GOLD CLASSIFICATION
==========
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO1AUG.WR1
TOTAL # OF PANNINGS 16

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87										4	24.0	152	
-11	N	NO VISIBLE GOLD											
-12	Y	25 X 50	8 C		2					2			EST. 1% PYRITE
		25 X 100	13 C	1						1			
		50 X 75	13 C	1						1			
		125 X 175	29 C		1					1			
										5	19.1	306	
-13	N	NO VISIBLE GOLD											
109-01	N	75 X 100	18 C	1						1			
										1	24.1	42	
-02	N	50 X 75	13 C	1						1			
										1	20.4	18	
-03	Y	50 X 50	10 C	1	.3					4			EST. 1% PYRITE
		100 X 100	20 C		1					1			
										5	21.6	105	
-04	Y	25 X 25	5 C		1					1			EST. 1% PYRITE
		25 X 50	8 C		1					1			
		50 X 50	10 C		1					1			
		50 X 75	13 C		1					1			
		75 X 100	18 C	1	1					2			
										6	19.4	139	
-05	N	NO VISIBLE GOLD											
-06	N	125 X 125	25 C	1						1			
										1	17.6	164	
-07	N	NO VISIBLE GOLD											
-08	N	75 X 75	15 C	1						1			
										1	24.5	26	
-09	N	50 X 75	13 C	1						1			

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COB01AUG.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 16

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY FPB	REMARKS
BOB-67													
										1	22.1	17	
109-10	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo2aug.wr1
TOTAL # OF PANNINGS 9

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY FPB	REMARKS
BOB-87													
109-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											
-14	N	50 X 100	15 C	1						1			
										1	25.9	25	
-15	N	100 X 125	22 C	1						1			
										1	25.9	82	
-16	N	50 X 75	13 C	1						1			
										1	27.3	14	
-17	N	NO VISIBLE GOLD											
-18	N	50 X 75	13 C	1						1			
										1	33.7	11	
-19	Y	25 X 25	5 C		1					1			EST. 1% PYRITE
		50 X 75	13 C	2						2			
		100 X 100	20 C	1	1					2			
										5	24.5	154	
110-01	Y	100 X 125	22 C	2						2			EST. 1% PYRITE
										2	46.7	91	
-02	N	100 X 200	29 C	1						1			
										1	34.2	144	
-03	Y	75 X 225	29 C	1						1			EST. 1% PYRITE
		250 X 300	50 C	1						1			
										2	24.9	1341	
-04	N	50 X 100	15 C	1						1			
										1	16.4	39	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo2aug.wr1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 9

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-05	N	250 X 275	48 C	1						1			
										1	29.6	842	
-06	N	NO VISIBLE GOLD											
-07	N	125 X 175	29 C	1						1			
										1	34.8	142	
-08	N	NO VISIBLE GOLD											
-09	Y	25 X 50	8 C		2					2			EST. 1% PYRITE
		125 X 125	25 C	1						1			
		175 X 200	36 C	1						1			
										4	28.0	447	
-10	Y	50 X 50	10 C		1					1			EST. 1% PYRITE
		50 X 75	13 C	1						1			
		50 X 100	15 C	1						1			
		75 X 100	18 C		1					1			
		75 X 125	20 C	1						1			
		100 X 200	29 C		1					1			
										6	51.5	168	
-11	N	NO VISIBLE GOLD											
-12	N	50 X 75	13 C	1						1			
										1	14.3	26	
111-01	N	75 X 125	20 C	1						1			
										1	32.3	46	
-02	Y	50 X 75	13 C	1						1			EST. 1% PYRITE
		75 X 100	18 C	1						1			
										2	30.3	46	
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo2aug.wr1

TOTAL # OF PANNINGS 9

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-06	N	75 X 125	20 C	1						1			
										1	22.4	67	
-07	N	75 X 100	18 C	1						1			
										1	26.7	38	
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	Y	25 X 25	5 C		2					2			EST. 1% PYRITE
		25 X 100	13 C		1					1			
		50 X 75	13 C		1					1			
		50 X 100	15 C	1						1			
		75 X 100	18 C	1						1			
										6	29.4	83	
-11	N	NO VISIBLE GOLD											
112-01	N	100 X 150	25 C	1						1			
										1	34.2	85	
-02	N	NO VISIBLE GOLD											
-03	Y	25 X 50	8 C		1					1			EST. 2% PYRITE
		50 X 75	13 C		1					1			
		50 X 100	15 C	1						1			
		75 X 125	20 C	1						1			
										4	31.6	82	
-04	Y	50 X 75	13 C		1					1			EST. 2% PYRITE
		75 X 100	18 C	1	1					2			
		100 X 125	22 C	1						1			
										4	32.1	141	
-05	N	75 X 75	15 C	1						1			
										1	18.7	34	
-06	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

cobo2aug.wri

TOTAL # OF PANNINGS 9

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
113-01	N	NO VISIBLE GOLD											
113-02	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION
==========

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO3AUG.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 13

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
113-03	N	75 X 75	15 C	1						1			
										1	33.6	19	
-04	Y	100 X 125	22 C	1						1			EST. 1% PYRITE
		150 X 200	34 C	1						1			
										2	20.3	486	
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	50 X 75	13 C	1						1			
										1	24.7	15	
-09	N	50 X 50	10 C	1						1			
										1	21.9	9	
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
114-01	Y	25 X 25	5 C	1						1			EST. 3% PYRITE
		50 X 50	10 C		1					1			
		50 X 75	13 C	1						1			
		75 X 100	18 C		1					1			
										4	30.3	53	
-02	N	50 X 100	15 C	1						1			
										1	29.0	22	
-03	Y	25 X 50	8 C		1					1			EST. 2% PYRITE
		50 X 50	10 C		2					2			
		50 X 75	13 C	1						1			
		75 X 100	18 C	1						1			
		100 X 100	20 C	1						1			
										6	32.3	104	

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO3AU6.WR1
TOTAL # OF PANNINGS 13

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY FPB	REMARKS
BOB-87													
-04	Y	50 X 50	10 C		1					1			EST. 3% PYRITE
		50 X 100	15 C		1					1			
		100 X 100	20 C	1						1			
		100 X 200	29 C	1						1			
										4	33.8	215	
-05	N	75 X 100	18 C	1						1			
										1	31.4	32	
-06	N	50 X 100	15 C	1						1			
										1	38.5	17	
-07	N	125 X 150	27 C	1						1			
										1	26.3	145	
-08	N	50 X 75	13 C	1						1			
										1	26.1	14	
-09	Y	25 X 25	5 C		1					1			EST. 1% PYRITE
		50 X 75	13 C	1						1			
		175 X 375	42 C	1						1			
		250 X 275	48 C	1						1			
										4	21.0	2561	
-10	Y	50 X 50	10 C		1					1			EST. 0.5% PYRITE
		50 X 75	13 C		1					1			
		75 X 125	20 C	1						1			
		100 X 125	22 C	1						1			
		125 X 175	29 C	1						1			
		125 X 200	31 C	1						1			
		125 X 225	34 C	1						1			
		200 X 200	38 C	1						1			
										8	34.3	1006	
-11	Y	75 X 100	18 C	1						1			EST. 0.5% PYRITE
		125 X 125	25 C	1						1			
		175 X 275	42 C	1						1			
										3	25.1	794	

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COB03AUG.WR1
TOTAL # OF PANNINGS 13

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-12	Y	25 X 50	8 C		1					1			EST. 1% PYRITE
		50 X 75	13 C	1	1					2			
		150 X 175	31 C	1						1			
		175 X 200	36 C	1						1			
		200 X 300	46 C	1						1			
										6	31.4	1216	
-13	Y	50 X 100	15 C	1						1			EST. 1% PYRITE
		75 X 100	18 C	1						1			
		75 X 125	20 C		1					1			
		100 X 150	25 C	1						1			
										4	29.9	202	
115-01	N	NO VISIBLE GOLD											
-02	Y	50 X 50	10 C		1					1			EST. 2% PYRITE
		50 X 75	13 C		1					1			
		75 X 100	18 C	1						1			
		150 X 275	40 C	1						1			
										4	36.5	415	
-03	N	75 X 75	15 C	1						1			
										1	36.7	17	
-04	N	150 X 225	36 C	1						1			
										1	34.8	272	
-05	Y	50 X 50	10 C		2					2			EST. 2% PYRITE
		50 X 75	13 C		1					1			
		50 X 100	15 C		1					1			
		75 X 75	15 C	1						1			
		75 X 100	18 C	1						1			
		100 X 150	25 C	1						1			
										7	33.4	178	
-06	N	100 X 100	20 C	1						1			
										1	27.5	55	
-07	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO3AUG.WR1

TOTAL # OF PANNINGS 13

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-08	Y	50 X 75	13 C	1	1					2			EST. 2% PYRITE
		75 X 75	15 C	1						1			
		75 X 150	22 C	1						1			
										4	26.3	133	
-09	N	150 X 225	36 C	1						1			
										1	23.8	397	
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
-15	N	150 X 200	34 C	1						1			
										1	26.6	291	
-16	N	NO VISIBLE GOLD											
115-17	Y	75 X 100	18 C	1						1			EST. 1% PYRITE
		150 X 225	36 C	1						1			0.5% CHALCOPYRITE
										2	20.6	508	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COB04AUG.WR1

TOTAL # OF PANNINGS 10

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
116-01	N	75 X 100	18 C	1						1			
										1	35.1	29	
-02	Y	75 X 75	15 C	1						1			EST. 5% PYRITE
		325 X 625	77 C	1						1			
										2	45.9	2860	
-03	N	NO VISIBLE GOLD											
-04	N	75 X 100	18 C	1						1			
										1	12.9	78	
117-01	Y	50 X 50	10 C		1					1			EST. 2% PYRITE
		50 X 100	15 C		1					1			
		75 X 100	18 C	2						2			
										4	15.8	181	
-02	N	225 X 300	48 C	1						1			
										1	8.1	3077	
-03	Y	25 X 50	8 C		1					1			EST. 2% PYRITE
		50 X 50	10 C		2					2			
		75 X 100	18 C	1						1			
		75 X 125	20 C	1						1			
		125 X 300	40 C	1						1			
										6	20.5	808	
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
118-01	N	50 X 75	13 C	1						1			
										1	34.4	11	
-02	N	NO VISIBLE GOLD											
-03	N	75 X 100	18 C	1						1			
										1	29.7	34	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO4AUG.WR1

TOTAL # OF PANNINGS 10

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-04	Y	25 X 50	8 C		1					1			EST. 2% PYRITE
		50 X 50	10 C		2					2			
		50 X 75	13 C		1					1			
		100 X 125	22 C	1						1			
		200 X 325	48 C	1						1			
										6	31.5	885	
-05	N	50 X 75	13 C	1						1			
										1	26.4	14	
-06	N	NO VISIBLE GOLD											
-07	Y	50 X 50	10 C	1						1			EST. 2% PYRITE
		50 X 75	13 C	1						1			
		100 X 125	22 C		1					1			
										3	22.0	122	
119-01	Y	25 X 50	8 C		1					1			EST. 2% PYRITE
		50 X 75	13 C	1						1			
		75 X 100	18 C	1						1			
										3	33.9	43	
120-01	Y	50 X 50	10 C	1						1			EST. 3% PYRITE
		50 X 100	15 C		1					1			
		75 X 100	18 C		1					1			
		75 X 125	20 C	1						1			
										4	37.7	89	
121-01	Y	25 X 25	5 C		1					1			EST. 3% PYRITE
		25 X 50	8 C		2					2			
		50 X 50	10 C		1					1			
		50 X 75	13 C		1					1			
		50 X 100	15 C	1						1			
		75 X 75	15 C	1						1			
		75 X 100	18 C	1						1			
		100 X 100	20 C		1					1			
										9	32.9	138	
122-01	N	125 X 175	29 C	1						1			
										1	36.8	134	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO4AUG.WR1

TOTAL # OF PANNINGS 10

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-02	N	100 X 100	20 C	1						1			
										1	35.2	43	
-03	Y	50 X 125	18 C	1						1			EST. 2% PYRITE
		75 X 75	15 C		1					1			
		900 X 1200	110 C	1						1			
										3	43.0	21239	
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
123-01	Y	25 X 75	10 C		1					1			EST. 1% PYRITE
		50 X 50	10 C		2					2			
		125 X 125	25 C	1						1			
		125 X 175	29 C	1						1			
										5	29.6	284	
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
124-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO4AUG.WR1 TOTAL # OF PANNINGS 10

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87												
-05	N	NO VISIBLE GOLD										
124-06	N	NO VISIBLE GOLD										

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOSAUG.WR1

TOTAL # OF PANNINGS 3

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL NON MAG	CALC V.G. ASSAY GMS	ASSAY PPB	REMARKS
BOB-87													
124-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	50 X 75	13 C	1						1			
										1	28.7	13	
-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											
-16	N	250 X 300	50 C	1						1			
										1	31.1	915	
125-01	Y	25 X 50	8 C		1					1			EST. 1% PYRITE
		75 X 100	18 C	1						1			
		325 X 500	70 C	1						1			
										3	33.0	2725	
125A-01	N	NO VISIBLE GOLD											
-02	N	125 X 250	36 C	1						1			
										1	21.0	450	
-03	N	50 X 150	20 C	1						1			
										1	19.8	76	
126-01	N	100 X 125	22 C	1						1			
										1	32.5	65	
-02	N	NO VISIBLE GOLD											
-03	N	50 X 50	10 C	1						1			

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO5AUG.WR1

TOTAL # OF PANNINGS 3

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
										1	18.1	11	
-04	N	150 X 150	29 C	1						1			
										1	38.0	130	
-05	N	NO VISIBLE GOLD											
127-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	75 X 100	18 C	1						1			
										1	42.0	24	
-06	N	75 X 75	15 C	1						1			
										1	31.0	21	
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	150 X 200	34 C	1						1			
										1	30.7	252	
-10	N	NO VISIBLE GOLD											
-11	N	50 X 50	10 C	1						1			
										1	33.9	6	
-12	N	NO VISIBLE GOLD											
-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBOSAUG.WR1

TOTAL # OF PANNINGS 3

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-16	Y	50 X 75	13 C		3					3			EST. 2% PYRITE
		50 X 100	15 C		1					1			
		75 X 75	15 C	1						1			
		75 X 100	18 C	1						1			
		100 X 125	22 C	1						1			
										7	23.7	206	
-17	N	NO VISIBLE GOLD											
-18	N	100 X 150	25 C	1						1			
										1	30.9	94	
-19	N	NO VISIBLE GOLD											
-20	N	50 X 75	13 C	1						1			
										1	28.5	13	
128-01	Y	25 X 75	10 C		1					1			EST. 10% PYRITE
		50 X 75	13 C		1					1			
		125 X 200	31 C	1						1			
		175 X 250	40 C	1						1			
										4	31.7	643	

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COE06AUG.WR1 NUMBER OF GRAINS
TOTAL # OF PANNINGS 5

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
128-02	N	50 X 100	15 C	1						1			
										1	25.8	25	
-03	N	NO VISIBLE GOLD											
-04	Y	50 X 75	13 C	1						1			EST. 1% PYRITE
		50 X 100	15 C		1					1			
		50 X 125	18 C		1					1			
		50 X 150	20 C		1					1			
		100 X 150	25 C	1						1			
										5	32.2	199	
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
-11	N	NO VISIBLE GOLD											
-12	N	150 X 200	34 C	1						1			
										1	27.3	283	
-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											
-16	N	75 X 100	18 C	1						1			
										1	34.3	29	
129-01	N	NO VISIBLE GOLD											
-02	N	75 X 125	20 C	1						1			
										1	27.8	54	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO6AUG.WR1

TOTAL # OF PANNINGS 5

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-03	N	NO VISIBLE GOLD											
-04	N	175 X 275	42 C	1						1			
										1	23.9	670	
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
-08	N	100 X 150	25 C	1						1			
										1	19.0	152	
-09	N	NO VISIBLE GOLD											
-10	Y	50 X 50	10 C		2					2			EST. 3% PYRITE
		50 X 75	13 C	1						1			
		75 X 125	20 C		1					1			
		100 X 150	25 C	1						1			
		125 X 150	27 C	1						1			
										6	15.6	575	
130-01	N	175 X 275	42 C	1						1			
										1	36.8	435	
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
-06	N	50 X 75	13 C	1						1			
										1	18.2	20	
-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COB06AUG.WR1

TOTAL # OF PANNINGS 5

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87													
-09	N	NO VISIBLE GOLD											
-10	N	NO VISIBLE GOLD											
131-01	Y	25 X 75	10 C		1					1			EST. 1% PYRITE
		75 X 100	18 C	1						1			
		100 X 125	22 C	1						1			
		150 X 250	38 C	1						1			
										4	28.3	520	
-02	N	25 X 50	8 C	1						1			
										1	31.5	3	
-03	Y	75 X 75	15 C	1						1			EST. 2% PYRITE
		75 X 125	20 C	1						1			
										2	28.3	76	
-04	N	50 X 75	13 C	1						1			
										1	24.0	16	
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
132-01	N	NO VISIBLE GOLD											
-02	N	100 X 200	29 C	1						1			
										1	23.7	208	
-03	Y	25 X 25	5 C		1					1			EST. 2% PYRITE
		25 X 50	8 C		1					1			
		25 X 100	13 C		1					1			
		50 X 75	13 C		1					1			
		75 X 125	20 C	1						1			
		100 X 125	22 C	1						1			
										6	23.6	190	
-04	N	150 X 300	42 C	1						1			

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

COBO6AUG.WR1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 5

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED T	ABRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
BOB-87										1	24.9	643	
-05	N	350 X 375	63 C	1						1			
										1	23.8	2608	
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
133-01	N	50 X 75	13 C	1						1			
										1	31.8	12	

A P P E N D I X III

CHIMITEC HMC SAMPLE TREATMENT AND RESULTS

- Treatment of Heavy Mineral Concentrate Samples
- Listing of Chemistry Results
- Listing of Second Analyses Results for Selected HMC Samples

Ref. No. 87-CND-47-04
(Doc. #0076U)

Compiled by: J. Learn
January 1988

TREATMENT OF HEAVY MINERAL CONCENTRATE SAMPLES

Heavy mineral concentrate samples sent to Chimitec Ltee are treated in the following manner:

1. The entire sample is pulverized by hand in a ceramic plate to -150 mesh (105μ).

2. The entire sample is put in a capsule and analyzed by neutron activation for Au + 33 elements.

3. Cu analyses are done by atomic absorption.

1 of BURNTBUSH OVERBURDEN DRILLING >>> H M C <<< [87/12/22]

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
1	1	1	23500.0	17.0	2.0	0.3	-50.0	-5.0	-0.5	480.0	26.0	6.0	229.0	-50.0
2	1	2	703.0	22.0	3.9	0.4	-50.0	-5.0	-0.5	550.0	36.0	6.0	246.0	-50.0
3	1	3	14.0	78.0	22.0	0.6	-50.0	-5.0	0.7	570.0	97.0	7.0	268.0	-50.0
4	1	4	130.0	80.0	16.0	0.4	-50.0	-5.0	1.1	590.0	80.0	8.0	243.0	-50.0
5	1	5	200.0	224.0	78.0	0.8	-50.0	-5.0	-0.5	480.0	200.0	6.0	185.0	-50.0
6	1	6	120.0	106.0	98.8	1.4	-50.0	-5.0	-0.5	530.0	150.0	6.0	192.0	-50.0
7	1	7	17.0	114.0	57.8	0.9	-50.0	6.0	-0.5	570.0	120.0	6.0	213.0	-50.0
8	1	8	120.0	196.0	68.5	0.8	110.0	-5.0	-0.5	610.0	170.0	6.0	249.0	-50.0
9	1	9	75.0	136.0	73.4	1.2	-50.0	-5.0	-0.5	480.0	120.0	7.0	190.0	-50.0
10	1	10	4.0	51.0	10.0	0.1	660.0	-5.0	5.4	280.0	26.0	-1.0	4.0	-50.0
11	2	1	120.0	64.0	7.0	0.4	-50.0	-5.0	-0.5	550.0	75.0	7.0	267.0	-50.0
12	2	2	120.0	141.0	28.0	0.4	-50.0	-5.0	-0.5	510.0	140.0	6.0	245.0	-50.0
13	2	3	120.0	158.0	33.0	0.5	-50.0	-5.0	-0.5	540.0	150.0	7.0	246.0	-50.0
14	2	4	110.0	192.0	34.0	0.4	-50.0	-5.0	0.6	550.0	160.0	7.0	245.0	-50.0
15	2	5	207.0	90.0	16.0	0.5	-50.0	9.0	-0.5	460.0	93.0	8.0	231.0	-50.0
16	2	6	190.0	142.0	38.0	0.4	-50.0	7.0	-0.5	540.0	150.0	7.0	229.0	-50.0
17	2	7	24.0	186.0	91.6	1.1	82.0	-5.0	0.7	570.0	140.0	5.0	202.0	-50.0
18	2	8	68.0	150.0	196.0	3.1	-50.0	-5.0	-0.5	560.0	160.0	5.0	209.0	-50.0
19	2	9	1090.0	201.0	49.0	1.0	-50.0	-5.0	-0.5	600.0	130.0	7.0	222.0	-50.0
20	2	10	293.0	170.0	54.8	1.6	-50.0	-5.0	1.1	620.0	150.0	8.0	243.0	-50.0
21	2	11	5.0	53.0	1.2	-0.1	560.0	-5.0	3.5	310.0	26.0	2.0	4.0	-50.0
22	3	1	209.0	26.0	3.8	0.4	93.0	-5.0	0.8	580.0	41.0	6.0	308.0	-50.0
23	3	2	249.0	18.0	2.8	0.4	-50.0	-5.0	0.7	630.0	34.0	6.0	326.0	-50.0
24	3	3	228.0	38.0	2.9	0.3	-50.0	-5.0	-0.5	620.0	39.0	8.0	321.0	-50.0
25	3	4	272.0	222.0	25.0	0.5	-50.0	-5.0	-0.5	590.0	190.0	8.0	290.0	-50.0
26	3	5	-6.0	124.0	27.0	0.4	-50.0	-5.0	-0.5	490.0	130.0	6.0	241.0	-50.0
27	3	6	21.0	283.0	19.0	0.7	-50.0	-5.0	-0.5	490.0	240.0	5.0	228.0	-50.0
28	3	7	10.0	144.0	18.0	0.8	93.0	-5.0	1.1	510.0	150.0	7.0	261.0	-50.0
29	3	8	-2.0	45.0	0.7	0.1	750.0	-5.0	7.1	320.0	25.0	1.0	3.0	-50.0
30	4	1	56.0	242.0	90.1	0.9	-50.0	12.0	-0.5	540.0	220.0	5.0	162.0	-50.0
31	4	2	-6.0	160.0	28.0	0.5	-50.0	14.0	1.0	500.0	200.0	5.0	227.0	-50.0
32	4	3	1600.0	178.0	37.0	0.5	-50.0	-10.0	-0.5	570.0	240.0	6.0	205.0	-50.0
33	4	4	263.0	108.0	23.0	0.6	-50.0	-5.0	-0.5	540.0	150.0	6.0	228.0	-50.0
34	4	5	3.0	32.0	1.3	-0.1	750.0	-5.0	4.3	340.0	29.0	-1.0	4.0	-50.0
35	5	1	120.0	256.0	37.0	0.6	-50.0	-5.0	-0.5	650.0	180.0	5.0	167.0	-50.0
36	5	2	13.0	174.0	41.0	0.6	-50.0	-5.0	-0.5	580.0	190.0	6.0	209.0	-50.0
37	5	3	16.0	148.0	21.0	0.6	-50.0	-5.0	-0.5	540.0	140.0	6.0	256.0	-50.0
38	5	4	61.0	178.0	29.0	0.6	-50.0	12.0	-0.5	510.0	200.0	7.0	191.0	-50.0
39	5	5	94.0	193.0	38.0	0.6	83.0	8.0	0.9	530.0	190.0	6.0	181.0	-50.0
40	5	6	64.0	114.0	37.0	0.4	-50.0	-5.0	-0.5	550.0	120.0	6.0	255.0	-50.0
41	5	7	-2.0	47.0	-0.5	-0.1	740.0	-5.0	6.7	310.0	32.0	2.0	4.0	-50.0
42	6	1	29.0	376.0	59.8	0.8	-50.0	7.0	-0.5	400.0	290.0	5.0	79.0	-50.0
43	6	2	7410.0	254.0	68.2	1.0	-50.0	-5.0	0.5	340.0	280.0	5.0	66.0	-50.0
44	6	3	-2.0	46.0	-0.5	-0.1	740.0	-5.0	4.7	460.0	33.0	1.0	5.0	-50.0
45	7	1	235.0	18.0	2.5	0.3	-50.0	-5.0	-0.5	520.0	38.0	7.0	315.0	-50.0
46	7	2	110.0	16.0	1.9	0.2	-50.0	-5.0	-0.5	570.0	34.0	8.0	345.0	-50.0
47	7	3	57.0	130.0	16.0	0.4	-50.0	-5.0	-0.5	550.0	120.0	7.0	296.0	-50.0
48	7	4	713.0	155.0	19.0	0.3	-50.0	-5.0	-0.5	480.0	140.0	5.0	256.0	-50.0
49	7	5	1850.0	222.0	31.0	0.6	-50.0	-5.0	-0.5	530.0	220.0	6.0	252.0	-50.0
50	7	6	24.0	596.0	54.0	0.8	-50.0	-5.0	-0.5	370.0	330.0	4.0	61.0	-50.0
51	7	7	160.0	294.0	47.0	4.7	-50.0	13.0	-0.5	430.0	240.0	6.0	152.0	-50.0
52	7	8	-2.0	42.0	-0.5	-0.1	620.0	-5.0	5.6	290.0	27.0	1.0	4.0	-50.0
53	8	1	-6.0	124.0	14.0	0.4	-50.0	-5.0	-0.5	500.0	99.0	7.0	242.0	-50.0
54	8	2	26.0	242.0	16.0	0.5	-50.0	7.0	-0.5	460.0	150.0	6.0	189.0	-50.0
55	8	3	6.0	50.0	0.6	-0.1	630.0	-5.0	3.9	280.0	32.0	-1.0	4.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
56	9	1	-5.0	172.0	24.0	0.4	83.0	7.0	-0.5	550.0	150.0	6.0	238.0	-50.0
57	9	2	93.0	128.0	19.0	0.4	-50.0	-5.0	-0.5	560.0	160.0	8.0	257.0	-50.0
58	9	3	110.0	114.0	18.0	0.4	-50.0	-5.0	-0.5	490.0	130.0	6.0	265.0	-50.0
59	9	4	60.0	176.0	21.0	0.6	110.0	-5.0	-0.5	510.0	140.0	5.0	259.0	-50.0
60	9	5	94.0	128.0	36.0	0.6	-50.0	-5.0	-0.5	500.0	130.0	7.0	233.0	-50.0
61	9	6	21.0	128.0	25.0	0.5	-50.0	-5.0	-0.5	520.0	160.0	5.0	213.0	-50.0
62	9	7	223.0	216.0	34.0	0.4	78.0	-5.0	-0.5	540.0	180.0	7.0	211.0	-50.0
63	9	8	18.0	148.0	20.0	0.3	-50.0	-5.0	-0.5	570.0	150.0	6.0	280.0	-50.0
64	9	9	54.0	216.0	29.0	0.4	-50.0	-5.0	0.9	570.0	190.0	5.0	271.0	-50.0
65	9	10	54.0	158.0	19.0	0.5	-50.0	-5.0	-0.5	470.0	130.0	7.0	235.0	-50.0
66	9	11	6.0	47.0	0.9	0.1	500.0	-5.0	2.0	280.0	28.0	-1.0	4.0	-50.0
67	10	1	130.0	182.0	67.7	0.6	-50.0	-5.0	-0.5	580.0	130.0	6.0	285.0	-50.0
68	10	2	24.0	142.0	87.2	0.6	-110.0	-15.0	-1.2	560.0	160.0	5.0	336.0	-50.0
69	10	3	485.0	176.0	24.0	0.4	-50.0	-13.0	-0.5	610.0	150.0	9.0	319.0	-50.0
70	10	4	160.0	236.0	25.0	0.6	-50.0	-13.0	-1.0	690.0	150.0	8.0	347.0	-50.0
71	10	5	-2.0	54.0	1.2	0.2	610.0	-5.0	2.5	350.0	34.0	3.0	6.0	-50.0
72	11	1	47.0	148.0	28.0	0.4	-50.0	-13.0	-0.5	600.0	170.0	5.0	278.0	-50.0
73	11	2	3.0	48.0	0.6	-0.1	720.0	-5.0	5.1	290.0	29.0	-1.0	3.0	-50.0
74	12	1	1270.0	202.0	28.0	0.5	-50.0	-12.0	-0.5	590.0	220.0	5.0	233.0	-50.0
75	12	2	352.0	142.0	24.0	0.5	120.0	-11.0	-0.5	610.0	160.0	7.0	283.0	-50.0
76	12	3	130.0	154.0	28.0	0.3	120.0	-11.0	-0.5	550.0	180.0	8.0	315.0	-50.0
77	12	4	55.0	86.0	18.0	0.4	-50.0	-11.0	-0.5	650.0	120.0	7.0	290.0	-50.0
78	12	5	140.0	108.0	29.0	0.5	-50.0	-13.0	-0.5	660.0	130.0	8.0	330.0	-50.0
79	12	6	110.0	128.0	19.0	0.4	-100.0	-14.0	1.3	700.0	150.0	8.0	380.0	-50.0
80	12	7	130.0	92.0	23.0	0.5	190.0	-13.0	-0.5	600.0	120.0	7.0	371.0	-50.0
81	12	8	30.0	192.0	30.0	0.3	-50.0	-10.0	-0.5	540.0	160.0	8.0	293.0	-50.0
82	12	9	1490.0	64.0	89.4	0.5	-50.0	-13.0	-0.5	640.0	100.0	6.0	211.0	-50.0
83	12	10	337.0	98.0	47.0	0.4	-50.0	-12.0	-0.5	640.0	200.0	6.0	243.0	-50.0
84	12	11	33.0	82.0	20.0	0.3	-50.0	-10.0	-0.5	510.0	95.0	7.0	283.0	-50.0
85	12	12	6020.0	102.0	32.0	-0.8	-110.0	-16.0	-1.2	570.0	60.0	7.0	105.0	-50.0
86	12	13	1300.0	53.0	5.3	0.3	-110.0	-16.0	-1.2	600.0	60.0	7.0	161.0	-50.0
87	12	14	439.0	24.0	-4.1	-0.3	-120.0	-18.0	-1.4	610.0	32.0	6.0	105.0	-50.0
88	12	15	373.0	14.0	-4.5	1.7	-150.0	-20.0	2.1	870.0	37.0	8.0	186.0	-50.0
89	12	16	868.0	42.0	-3.9	1.7	-120.0	-17.0	-1.3	710.0	54.0	7.0	181.0	-50.0
90	12	17	764.0	50.0	7.0	0.4	-120.0	-17.0	-1.3	540.0	46.0	5.0	136.0	-50.0
91	12	18	413.0	28.0	-3.2	-0.1	-50.0	17.0	-1.0	730.0	50.0	7.0	130.0	-50.0
92	12	19	-13.0	38.0	6.8	-0.2	-140.0	-19.0	-1.5	770.0	59.0	6.0	94.0	-50.0
93	12	20	3.0	48.0	-0.5	-0.1	520.0	-5.0	1.4	210.0	26.0	-1.0	4.0	-50.0
94	13	1	1320.0	182.0	7.3	0.4	-50.0	-14.0	1.4	600.0	140.0	8.0	217.0	-50.0
95	13	2	52.0	132.0	71.6	0.6	-50.0	-15.0	1.5	690.0	180.0	9.0	281.0	-50.0
96	13	3	97.0	152.0	39.0	0.4	-50.0	-15.0	-1.1	580.0	200.0	9.0	326.0	-50.0
97	13	4	-2.0	43.0	0.6	-0.1	710.0	-5.0	4.2	330.0	33.0	-1.0	4.0	-50.0
98	14	1	243.0	146.0	33.0	0.5	-50.0	-14.0	-1.0	650.0	190.0	7.0	352.0	-50.0
99	14	2	-9.0	190.0	34.0	0.6	160.0	-13.0	-0.5	600.0	160.0	7.0	357.0	-50.0
100	14	3	6.0	40.0	0.6	-0.1	650.0	-5.0	4.7	310.0	27.0	-1.0	4.0	-50.0
101	15	1	48.0	245.0	28.0	0.5	-50.0	-13.0	-0.5	600.0	270.0	9.0	240.0	-50.0
102	15	2	-2.0	52.0	-0.5	0.1	960.0	-5.0	6.2	310.0	35.0	-1.0	4.0	-50.0
103	16	1	71.0	130.0	17.0	0.4	-50.0	-12.0	-0.5	580.0	130.0	9.0	277.0	-50.0
104	16	2	130.0	100.0	16.0	0.6	-50.0	-13.0	1.1	550.0	120.0	10.0	294.0	-50.0
105	16	3	249.0	66.0	22.0	0.6	-50.0	-13.0	-0.5	660.0	110.0	11.0	318.0	-50.0
106	16	4	31.0	130.0	21.0	0.4	-50.0	-15.0	-1.1	660.0	190.0	8.0	359.0	-50.0
107	16	5	160.0	194.0	52.2	0.7	-50.0	-12.0	-0.5	580.0	100.0	4.0	229.0	-50.0
108	16	6	607.0	178.0	20.0	0.9	180.0	-14.0	-0.5	620.0	69.0	9.0	225.0	-50.0
109	16	7	4.0	35.0	-0.5	-0.1	590.0	-5.0	4.2	170.0	23.0	-1.0	4.0	-50.0
110	17	1	1100.0	14.0	-3.5	0.3	-50.0	-15.0	-1.1	630.0	44.0	9.0	337.0	-50.0
111	17	2	2350.0	18.0	3.7	0.4	-50.0	-12.0	-0.5	690.0	42.0	7.0	317.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
112	17	3	14.0	44.0	10.0	0.6	-50.0	-14.0	-0.5	770.0	77.0	7.0	322.0	-50.0
113	17	4	-9.0	140.0	18.0	0.4	-50.0	-12.0	-0.5	590.0	130.0	8.0	279.0	-50.0
114	17	5	160.0	106.0	26.0	0.5	-50.0	-11.0	-0.5	540.0	130.0	7.0	251.0	-50.0
115	17	6	120.0	158.0	24.0	0.5	-50.0	-14.0	1.1	940.0	160.0	6.0	342.0	-50.0
116	17	7	720.0	144.0	23.0	0.5	-50.0	-13.0	-0.5	820.0	120.0	5.0	311.0	-50.0
117	17	8	33.0	166.0	17.0	0.4	-50.0	-14.0	-0.5	900.0	160.0	8.0	336.0	-50.0
118	17	9	37.0	142.0	19.0	0.4	-50.0	-12.0	-0.5	860.0	130.0	7.0	321.0	-50.0
119	17	10	100.0	198.0	28.0	0.8	-50.0	-14.0	1.2	1000.0	170.0	9.0	300.0	-50.0
120	17	11	332.0	178.0	31.0	0.7	-50.0	-13.0	-0.5	1000.0	160.0	6.0	324.0	-50.0
121	17	12	150.0	138.0	21.0	0.7	-50.0	-14.0	-0.5	1000.0	110.0	7.0	375.0	-50.0
122	17	13	42.0	110.0	33.0	0.6	140.0	-13.0	-0.5	950.0	99.0	5.0	320.0	-50.0
123	17	14	25.0	118.0	50.7	0.8	-50.0	-13.0	-0.5	950.0	91.0	7.0	244.0	-50.0
124	17	15	69.0	184.0	41.0	1.2	-50.0	-13.0	-0.5	670.0	130.0	5.0	145.0	-50.0
125	17	16	67.0	108.0	32.0	0.7	-50.0	-14.0	-0.5	1000.0	120.0	4.0	231.0	-50.0
126	17	17	438.0	66.0	30.0	0.4	-110.0	-17.0	-1.1	1200.0	86.0	8.0	333.0	-50.0
127	17	18	282.0	84.0	30.0	0.6	-50.0	-15.0	-1.0	960.0	120.0	7.0	323.0	-50.0
128	17	19	62.0	108.0	24.0	1.3	-120.0	-19.0	-1.3	1200.0	130.0	7.0	455.0	-50.0
129	17	20	110.0	156.0	21.0	0.7	-50.0	-15.0	-1.0	1000.0	170.0	7.0	356.0	-50.0
130	17	21	-2.0	43.0	0.5	-0.1	730.0	-5.0	2.5	230.0	25.0	-1.0	3.0	-50.0
131	18	1	180.0	188.0	46.0	0.5	-50.0	-15.0	-1.1	980.0	240.0	4.0	267.0	-50.0
132	18	2	-13.0	172.0	27.0	0.6	-110.0	-18.0	-1.2	1200.0	190.0	6.0	292.0	-50.0
133	18	3	32.0	115.0	25.0	0.4	-50.0	-15.0	-1.1	920.0	150.0	6.0	323.0	-50.0
134	18	4	-13.0	84.0	7.3	0.4	-120.0	-19.0	-1.3	970.0	50.0	5.0	248.0	-50.0
135	18	5	225.0	285.0	7.1	0.6	-100.0	-17.0	-1.2	740.0	200.0	5.0	173.0	-50.0
136	18	6	4.0	21.0	1.0	0.1	970.0	-5.0	4.8	200.0	22.0	2.0	4.0	-50.0
137	19	1	302.0	180.0	23.0	0.5	-110.0	-18.0	-1.3	1000.0	180.0	7.0	292.0	-50.0
138	19	2	24.0	208.0	33.0	0.7	150.0	-15.0	-1.1	940.0	200.0	7.0	272.0	-50.0
139	19	3	1250.0	274.0	26.0	0.5	-50.0	-19.0	-0.5	1000.0	220.0	7.0	242.0	-50.0
140	19	4	87.0	52.0	4.0	0.3	-50.0	-15.0	-0.5	1000.0	43.0	7.0	257.0	-50.0
141	19	5	265.0	40.0	11.0	0.4	-50.0	-13.0	-0.5	920.0	85.0	6.0	278.0	-50.0
142	19	6	36.0	56.0	17.0	0.6	-50.0	-15.0	-0.5	1000.0	87.0	6.0	235.0	-50.0
143	19	7	-2.0	39.0	0.9	0.1	920.0	-5.0	2.3	240.0	28.0	-1.0	3.0	-50.0
144	20	1	180.0	190.0	38.0	0.5	-50.0	-12.0	-0.5	810.0	200.0	7.0	131.0	-50.0
145	20	2	17.0	208.0	30.0	1.0	-50.0	-13.0	-0.5	840.0	210.0	7.0	116.0	-50.0
146	20	3	-8.0	100.0	29.0	0.5	-50.0	-12.0	-0.5	880.0	130.0	8.0	128.0	-50.0
147	20	4	170.0	112.0	21.0	0.4	160.0	-14.0	1.1	970.0	130.0	8.0	188.0	-50.0
148	20	5	180.0	134.0	25.0	0.5	-50.0	-14.0	-0.5	910.0	180.0	9.0	220.0	-50.0
149	20	6	120.0	114.0	26.0	0.4	-50.0	-12.0	-0.5	790.0	140.0	7.0	315.0	-50.0
150	20	7	1890.0	112.0	27.0	0.5	-50.0	-13.0	-0.5	840.0	140.0	6.0	302.0	-50.0
151	20	8	100.0	120.0	19.0	0.5	-50.0	-14.0	-0.5	890.0	130.0	6.0	298.0	-50.0
152	20	9	94.0	100.0	20.0	0.5	-50.0	-14.0	-0.5	840.0	120.0	7.0	384.0	-50.0
153	20	10	50.0	108.0	15.0	0.3	-50.0	-15.0	-0.5	880.0	100.0	7.0	290.0	-50.0
154	20	11	40.0	90.0	15.0	0.2	-50.0	-16.0	1.4	990.0	130.0	9.0	263.0	-50.0
155	20	12	39.0	8.0	-4.2	0.2	-50.0	-16.0	-1.1	1000.0	33.0	8.0	232.0	-50.0
156	20	13	-10.0	10.0	5.6	0.4	-50.0	-15.0	-0.5	830.0	31.0	7.0	195.0	-50.0
157	20	14	-9.0	34.0	4.1	0.3	-50.0	-13.0	-0.5	750.0	52.0	11.0	198.0	-50.0
158	20	15	100.0	40.0	4.8	-0.1	-50.0	-15.0	-1.0	900.0	57.0	6.0	160.0	-50.0
159	20	16	5.0	30.0	1.0	0.1	480.0	-5.0	2.3	250.0	24.0	-1.0	4.0	-50.0
160	21	1	14.0	9.0	-2.4	0.4	-50.0	-12.0	-0.5	670.0	34.0	9.0	317.0	-50.0
161	21	2	46.0	64.0	13.0	0.2	-50.0	-10.0	-0.5	650.0	62.0	8.0	254.0	-50.0
162	21	3	80.0	70.0	24.0	0.4	-50.0	-11.0	-0.5	770.0	120.0	7.0	265.0	-50.0
163	21	4	-8.0	108.0	14.0	0.6	-50.0	-11.0	-0.5	780.0	120.0	8.0	269.0	-50.0
164	21	5	-8.0	90.0	16.0	0.5	-50.0	-12.0	-1.0	830.0	110.0	7.0	274.0	-50.0
165	21	6	-8.0	82.0	20.0	0.4	-50.0	-11.0	-0.5	760.0	140.0	8.0	259.0	-50.0
166	21	7	160.0	160.0	15.0	0.6	-100.0	-13.0	-1.1	1000.0	140.0	8.0	263.0	-50.0
167	21	8	16.0	72.0	10.0	0.5	-50.0	-10.0	-0.5	770.0	93.0	7.0	200.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
168	21	9	180.0	108.0	24.0	0.6	-50.0	14.0	-0.5	750.0	120.0	7.0	261.0	-50.0
169	21	10	180.0	120.0	20.0	0.4	-50.0	-11.0	-0.5	770.0	110.0	7.0	320.0	-50.0
170	21	11	1990.0	102.0	21.0	0.5	-50.0	-12.0	-1.0	860.0	120.0	8.0	324.0	-50.0
171	21	12	150.0	107.0	33.0	0.5	-120.0	-15.0	-1.2	1200.0	160.0	10.0	356.0	-50.0
172	21	13	268.0	110.0	19.0	0.5	-50.0	-12.0	-0.5	900.0	150.0	10.0	273.0	-50.0
173	21	14	58.0	10.0	-3.0	0.3	-110.0	-15.0	-1.2	1100.0	36.0	9.0	348.0	-50.0
174	21	15	98.0	26.0	2.9	0.3	-110.0	-14.0	-1.2	1100.0	58.0	7.0	262.0	-50.0
175	21	16	-14.0	64.0	-3.9	-0.1	-150.0	-19.0	-1.5	1000.0	64.0	13.0	175.0	-50.0
176	21	17	-10.0	8.0	-3.0	0.3	-110.0	-15.0	-1.2	1100.0	26.0	8.0	182.0	-50.0
177	21	18	9.0	42.0	0.6	-0.1	420.0	-5.0	3.5	210.0	21.0	3.0	4.0	-50.0
178	22	1	-10.0	66.0	17.0	0.6	-100.0	-14.0	-1.1	890.0	75.0	8.0	380.0	-50.0
179	22	2	100.0	78.0	20.0	-0.1	-110.0	-15.0	-1.2	920.0	85.0	8.0	470.0	-50.0
180	22	3	75.0	102.0	22.0	0.7	-110.0	-14.0	-1.2	730.0	110.0	6.0	379.0	-50.0
181	22	4	-8.0	124.0	12.0	0.4	-50.0	-12.0	-0.5	730.0	110.0	10.0	335.0	-50.0
182	22	5	-2.0	34.0	-0.5	0.1	740.0	-5.0	4.8	260.0	27.0	2.0	4.0	-50.0
183	23	1	86.0	120.0	19.0	0.5	-50.0	-12.0	-0.5	840.0	130.0	7.0	319.0	-50.0
184	23	2	170.0	148.0	27.0	0.7	-50.0	-12.0	-0.5	890.0	160.0	7.0	294.0	-50.0
185	23	3	-9.0	204.0	32.0	0.4	-50.0	-12.0	-0.5	870.0	210.0	6.0	298.0	-50.0
186	23	4	445.0	154.0	29.0	0.6	-50.0	-13.0	-1.0	980.0	160.0	6.0	330.0	-50.0
187	23	5	3550.0	178.0	31.0	0.4	-50.0	-13.0	-1.0	890.0	190.0	6.0	225.0	-50.0
188	23	6	130.0	144.0	22.0	0.5	-50.0	-12.0	-0.5	920.0	150.0	7.0	260.0	-50.0
189	23	7	190.0	200.0	31.0	0.6	-100.0	-15.0	-1.2	1000.0	190.0	7.0	292.0	-50.0
190	23	8	-9.0	172.0	39.0	0.8	-50.0	-13.0	-1.1	1100.0	180.0	8.0	274.0	-50.0
191	23	9	724.0	258.0	38.0	0.6	-50.0	-13.0	-1.0	1000.0	230.0	8.0	252.0	-50.0
192	23	10	49.0	112.0	93.5	1.0	-50.0	-13.0	1.6	980.0	110.0	7.0	255.0	-50.0
193	23	11	506.0	134.0	80.9	1.2	-100.0	-15.0	-1.1	1200.0	130.0	5.0	304.0	-50.0
194	23	12	1580.0	136.0	13.0	0.4	-50.0	-13.0	1.2	740.0	87.0	13.0	157.0	-50.0
195	23	13	-2.0	29.0	-0.5	-0.1	600.0	-5.0	3.9	330.0	33.0	1.0	5.0	-50.0
196	24	1	-7.0	46.0	-2.3	0.3	-50.0	-11.0	-0.5	820.0	49.0	5.0	188.0	-50.0
197	24	2	349.0	14.0	-3.0	0.2	-100.0	-14.0	-1.1	980.0	41.0	9.0	353.0	-50.0
198	24	3	100.0	18.0	-2.8	0.3	-50.0	-13.0	-0.5	880.0	38.0	8.0	351.0	-50.0
199	24	4	39.0	48.0	8.0	0.4	-100.0	-14.0	-1.1	1000.0	76.0	8.0	348.0	-50.0
200	24	5	22.0	116.0	18.0	0.5	-50.0	-13.0	-1.0	870.0	140.0	7.0	351.0	-50.0
201	24	6	110.0	94.0	16.0	0.5	-130.0	-19.0	-1.5	900.0	150.0	7.0	370.0	-50.0
202	24	7	-10.0	98.0	20.0	0.3	-50.0	-13.0	-1.1	850.0	140.0	8.0	276.0	-50.0
203	24	8	28.0	176.0	40.0	0.6	-120.0	-15.0	1.1	940.0	150.0	8.0	336.0	-50.0
204	24	9	120.0	142.0	22.0	0.5	190.0	-15.0	1.9	1100.0	140.0	8.0	358.0	-50.0
205	24	10	31.0	236.0	20.0	0.5	-50.0	-14.0	1.2	1100.0	150.0	9.0	357.0	-50.0
206	24	11	130.0	136.0	26.0	0.5	-50.0	-13.0	-0.5	910.0	140.0	7.0	344.0	-50.0
207	24	12	76.0	134.0	22.0	0.7	-100.0	-13.0	-0.5	970.0	140.0	8.0	343.0	-50.0
208	24	13	120.0	124.0	25.0	0.4	-50.0	14.0	-0.5	1100.0	150.0	7.0	404.0	-50.0
209	24	14	930.0	154.0	29.0	0.3	-120.0	-16.0	1.1	1100.0	180.0	7.0	328.0	-50.0
210	24	15	55.0	90.0	13.0	0.4	-50.0	-14.0	-0.5	980.0	98.0	8.0	451.0	-50.0
211	24	16	21.0	64.0	40.0	0.4	-120.0	-16.0	-1.0	1000.0	81.0	7.0	602.0	-50.0
212	24	17	512.0	154.0	44.0	0.7	-50.0	-12.0	0.8	860.0	160.0	7.0	196.0	-50.0
213	24	18	-2.0	22.0	-0.5	-0.1	570.0	-5.0	3.9	1000.0	59.0	1.0	3.0	-50.0
214	25	1	89.0	20.0	-3.7	0.3	-50.0	-15.0	-1.0	1100.0	37.0	9.0	303.0	-50.0
215	25	2	110.0	34.0	3.7	0.3	-50.0	15.0	1.1	1100.0	32.0	12.0	357.0	-50.0
216	25	3	26.0	162.0	16.0	0.4	-100.0	-13.0	-0.5	980.0	150.0	8.0	342.0	-50.0
217	25	4	-10.0	150.0	20.0	0.6	-50.0	-12.0	-0.5	930.0	150.0	7.0	282.0	-50.0
218	25	5	120.0	164.0	22.0	0.5	-100.0	-14.0	1.0	960.0	170.0	9.0	303.0	-50.0
219	25	6	81.0	244.0	25.0	0.4	-50.0	-13.0	-0.5	910.0	200.0	8.0	326.0	-50.0
220	25	7	110.0	228.0	40.0	0.7	-50.0	-14.0	-0.5	1200.0	200.0	8.0	374.0	-50.0
221	25	8	930.0	198.0	24.0	0.4	-110.0	-15.0	-0.5	1100.0	210.0	8.0	387.0	-50.0
222	25	9	227.0	142.0	20.0	0.4	-50.0	-15.0	-0.5	1100.0	160.0	7.0	348.0	-50.0
223	25	10	261.0	164.0	27.0	0.3	-50.0	-15.0	1.1	780.0	160.0	6.0	308.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
224	25	11	130.0	184.0	29.0	0.7	-50.0	-12.0	0.8	820.0	210.0	8.0	249.0	-50.0
225	25	12	36.0	224.0	23.0	0.3	-50.0	-12.0	-0.5	840.0	210.0	6.0	291.0	-50.0
226	25	13	17.0	192.0	28.0	0.4	-50.0	-13.0	-0.5	990.0	180.0	8.0	376.0	-50.0
227	25	14	93.0	154.0	25.0	0.5	210.0	24.0	-1.0	1200.0	170.0	8.0	325.0	-50.0
228	25	15	120.0	162.0	28.0	0.7	-50.0	-13.0	-0.5	1000.0	170.0	7.0	275.0	-50.0
229	25	16	-10.0	210.0	33.0	0.9	-50.0	-12.0	-0.5	860.0	160.0	7.0	220.0	-50.0
230	25	17	37.0	144.0	77.3	0.8	-50.0	-12.0	-0.5	860.0	160.0	9.0	185.0	-50.0
231	25	18	1910.0	170.0	47.0	0.8	-50.0	-15.0	-0.5	1100.0	220.0	13.0	140.0	-50.0
232	25	19	-2.0	38.0	1.1	-0.1	1100.0	-5.0	19.0	760.0	46.0	3.0	5.0	-50.0
233	26	1	247.0	14.0	-3.2	0.3	-50.0	-12.0	-0.5	700.0	39.0	9.0	341.0	-50.0
234	26	2	673.0	22.0	12.0	0.3	-50.0	-13.0	1.7	720.0	61.0	10.0	350.0	-50.0
235	26	3	56.0	228.0	-3.4	0.6	-50.0	-13.0	-0.5	620.0	160.0	12.0	336.0	-50.0
236	26	4	-7.0	184.0	45.0	0.5	140.0	-11.0	-0.5	510.0	130.0	10.0	274.0	-50.0
237	26	5	190.0	28.0	4.0	0.3	130.0	-12.0	-0.5	610.0	53.0	8.0	333.0	-50.0
238	26	6	33.0	90.0	19.0	0.4	-50.0	-11.0	-0.5	560.0	110.0	9.0	265.0	-50.0
239	26	7	73.0	100.0	16.0	0.5	-50.0	-10.0	-0.5	610.0	110.0	8.0	269.0	-50.0
240	26	8	47.0	92.0	23.0	0.4	-50.0	-12.0	1.0	620.0	110.0	7.0	283.0	-50.0
241	26	9	46.0	102.0	17.0	0.8	-50.0	-11.0	-0.5	630.0	100.0	6.0	294.0	-50.0
242	26	10	190.0	90.0	22.0	0.6	-50.0	-11.0	-0.5	620.0	110.0	6.0	263.0	-50.0
243	26	11	99.0	92.0	35.0	0.4	240.0	-20.0	1.7	980.0	180.0	12.0	526.0	-50.0
244	26	12	25.0	116.0	46.0	0.7	-50.0	16.0	-0.5	650.0	120.0	9.0	283.0	-50.0
245	26	13	34.0	92.0	20.0	0.4	-50.0	-13.0	-1.0	1000.0	88.0	4.0	243.0	-50.0
246	26	14	31.0	202.0	31.0	0.5	-50.0	-12.0	-0.5	900.0	170.0	5.0	126.0	-50.0
247	26	15	150.0	152.0	25.0	0.3	-50.0	-12.0	-0.5	970.0	140.0	5.0	167.0	-50.0
248	26	16	16.0	142.0	20.0	0.5	-50.0	-13.0	-1.1	1000.0	130.0	8.0	240.0	-50.0
249	26	17	234.0	218.0	31.0	0.7	-50.0	-12.0	-0.5	980.0	220.0	7.0	185.0	-50.0
250	26	18	1190.0	190.0	20.0	0.5	-100.0	-13.0	-1.1	710.0	210.0	10.0	194.0	-50.0
251	26	19	238.0	230.0	34.0	1.0	-50.0	-11.0	-0.5	870.0	230.0	5.0	182.0	-50.0
252	26	20	802.0	172.0	17.0	0.4	-50.0	-11.0	1.5	850.0	160.0	8.0	194.0	-50.0
253	26	21	13.0	276.0	18.0	0.5	-50.0	-12.0	-0.5	960.0	170.0	7.0	151.0	-50.0
254	26	22	150.0	52.0	7.5	0.5	140.0	-12.0	-0.5	960.0	64.0	10.0	201.0	-50.0
255	26	23	223.0	16.0	-2.8	0.4	-100.0	-14.0	-1.1	970.0	28.0	11.0	175.0	-50.0
256	26	24	-2.0	49.0	-0.5	-0.1	730.0	-5.0	5.1	270.0	24.0	1.0	4.0	-50.0
257	27	1	74.0	144.0	19.0	0.5	-50.0	-13.0	-1.0	830.0	150.0	5.0	273.0	-50.0
258	27	2	46.0	118.0	15.0	0.5	-50.0	-12.0	-0.5	860.0	110.0	7.0	270.0	-50.0
259	27	3	31.0	130.0	28.0	0.3	-50.0	-13.0	-1.0	990.0	120.0	6.0	331.0	-50.0
260	27	4	110.0	194.0	45.0	0.6	-50.0	-12.0	-0.5	920.0	190.0	6.0	226.0	-50.0
261	27	5	328.0	212.0	33.0	0.5	-50.0	-12.0	-0.5	990.0	160.0	6.0	205.0	-50.0
262	27	6	542.0	160.0	26.0	0.4	-50.0	-11.0	-0.5	970.0	160.0	4.0	174.0	-50.0
263	27	7	37.0	238.0	37.0	1.0	-110.0	-15.0	-1.3	1000.0	230.0	5.0	203.0	-50.0
264	27	8	-9.0	232.0	30.0	0.7	-50.0	-12.0	-0.5	940.0	200.0	6.0	176.0	-50.0
265	27	9	23.0	118.0	54.3	0.7	160.0	-13.0	-1.0	780.0	210.0	6.0	205.0	-50.0
266	27	10	16.0	188.0	37.0	0.6	-50.0	-12.0	-0.5	950.0	170.0	5.0	259.0	-50.0
267	27	11	445.0	150.0	38.0	0.6	-110.0	-15.0	-1.2	1000.0	160.0	6.0	344.0	-50.0
268	27	12	21.0	98.0	28.0	0.4	-110.0	-16.0	-1.2	1200.0	120.0	7.0	293.0	-50.0
269	27	13	295.0	84.0	25.0	0.4	-120.0	-16.0	1.5	1100.0	120.0	4.0	361.0	-50.0
270	27	14	130.0	84.0	25.0	0.5	-110.0	-16.0	-1.2	940.0	110.0	5.0	327.0	-50.0
271	27	15	-2.0	43.0	-0.5	-0.1	750.0	-5.0	7.8	300.0	32.0	1.0	5.0	-50.0
272	28	1	18.0	142.0	28.0	0.6	-50.0	-12.0	-0.5	940.0	140.0	4.0	238.0	-50.0
273	28	2	514.0	64.0	21.0	0.6	-50.0	-12.0	-0.5	1000.0	110.0	5.0	239.0	-50.0
274	28	3	14.0	40.0	15.0	0.4	-50.0	-11.0	-0.5	930.0	57.0	5.0	209.0	-50.0
275	28	4	110.0	46.0	18.0	0.4	-50.0	-14.0	-1.1	1100.0	63.0	5.0	249.0	-50.0
276	28	5	1730.0	48.0	11.0	0.4	-100.0	-14.0	-1.1	1200.0	68.0	6.0	267.0	-50.0
277	28	6	503.0	320.0	32.0	0.3	-50.0	-13.0	-0.5	1100.0	90.0	4.0	256.0	-50.0
278	28	7	226.0	174.0	16.0	0.3	-50.0	-11.0	-0.5	950.0	160.0	4.0	199.0	-50.0
279	28	8	-2.0	50.0	-0.5	-0.1	890.0	-5.0	6.3	280.0	33.0	2.0	3.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
280	29	1	16.0	120.0	8.3	0.4	-50.0	-12.0	-0.5	920.0	150.0	7.0	255.0	-50.0
281	29	2	-7.0	136.0	12.0	0.4	-50.0	-11.0	-0.5	870.0	130.0	6.0	226.0	-50.0
282	29	3	14.0	149.0	19.0	0.5	-50.0	-12.0	-0.5	860.0	180.0	10.0	233.0	-50.0
283	29	4	-9.0	126.0	14.0	0.5	-50.0	-12.0	-0.5	910.0	130.0	8.0	254.0	-50.0
284	29	5	110.0	122.0	23.0	0.5	-50.0	-12.0	-0.5	810.0	150.0	7.0	245.0	-50.0
285	29	6	14.0	80.0	15.0	0.4	-50.0	14.0	-0.5	710.0	110.0	8.0	223.0	-50.0
286	29	7	-10.0	120.0	24.0	0.6	-50.0	-14.0	-1.0	830.0	120.0	6.0	305.0	-50.0
287	29	8	110.0	172.0	22.0	0.6	-50.0	-13.0	-0.5	790.0	250.0	4.0	273.0	-50.0
288	29	9	89.0	158.0	25.0	0.6	-50.0	13.0	-0.5	1000.0	130.0	6.0	275.0	-50.0
289	29	10	16.0	108.0	28.0	0.5	-50.0	-5.0	-0.5	730.0	120.0	7.0	264.0	-50.0
290	29	11	47.0	34.0	19.0	0.7	-50.0	-5.0	-0.5	800.0	130.0	7.0	240.0	-50.0
291	29	12	170.0	132.0	22.0	0.6	-50.0	-11.0	-0.5	890.0	140.0	6.0	317.0	-50.0
292	29	13	53.0	78.0	20.0	0.5	-50.0	-11.0	-0.5	950.0	120.0	5.0	336.0	-50.0
293	29	14	110.0	38.0	24.0	0.4	-50.0	-11.0	-0.5	1000.0	84.0	5.0	267.0	-50.0
294	29	15	89.0	78.0	36.0	0.6	-50.0	-10.0	-0.5	970.0	110.0	5.0	151.0	-50.0
295	29	16	-2.0	72.0	1.0	0.1	450.0	-5.0	2.8	390.0	27.0	-1.0	3.0	-50.0
296	30	1	689.0	44.0	10.0	0.4	-100.0	-13.0	-1.1	970.0	68.0	7.0	241.0	-50.0
297	30	2	100.0	90.0	15.0	0.5	-50.0	-12.0	-0.5	910.0	84.0	7.0	295.0	-50.0
298	30	3	251.0	74.0	18.0	0.4	-50.0	-10.0	-0.5	760.0	120.0	6.0	199.0	-50.0
299	30	4	460.0	114.0	26.0	0.5	-50.0	-13.0	-1.1	1000.0	120.0	4.0	303.0	-50.0
300	30	5	-9.0	90.0	38.0	0.7	-50.0	-13.0	-0.5	940.0	120.0	6.0	294.0	-50.0
301	30	6	120.0	86.0	22.0	0.5	140.0	-13.0	-1.0	1000.0	130.0	4.0	262.0	-50.0
302	30	7	30.0	104.0	19.0	0.4	-50.0	-5.0	-0.5	730.0	130.0	6.0	199.0	-50.0
303	30	8	49.0	114.0	21.0	0.4	-50.0	-13.0	-1.0	1000.0	120.0	9.0	264.0	-50.0
304	30	9	73.0	96.0	27.0	0.5	-50.0	-12.0	-0.5	960.0	120.0	6.0	270.0	-50.0
305	30	10	-9.0	102.0	20.0	0.5	-50.0	-12.0	-0.5	1000.0	130.0	6.0	304.0	-50.0
306	30	11	13.0	82.0	20.0	0.6	-50.0	-12.0	1.6	880.0	120.0	8.0	318.0	-50.0
307	30	12	100.0	110.0	21.0	0.5	-50.0	-13.0	-1.1	1000.0	140.0	6.0	284.0	-50.0
308	30	13	-8.0	20.0	21.0	0.7	-50.0	-12.0	-0.5	790.0	130.0	7.0	285.0	-50.0
309	30	14	-11.0	114.0	20.0	0.4	-110.0	-16.0	-1.3	1100.0	120.0	5.0	269.0	-50.0
310	30	15	55.0	10.0	3.3	0.4	-110.0	-14.0	1.4	880.0	31.0	10.0	377.0	-50.0
311	30	16	28.0	4.0	-3.4	0.3	-110.0	-16.0	-1.2	1000.0	35.0	9.0	287.0	-50.0
312	30	17	91.0	6.0	-3.0	0.3	-100.0	-14.0	-1.1	1100.0	29.0	9.0	183.0	-50.0
313	30	18	120.0	8.0	-2.8	0.3	-50.0	-13.0	-1.0	900.0	35.0	8.0	244.0	-50.0
314	30	19	110.0	30.0	8.0	0.5	-50.0	-12.0	-0.5	790.0	46.0	4.0	275.0	-50.0
315	30	20	77.0	373.0	23.0	0.4	-50.0	-12.0	-0.5	740.0	713.0	4.0	219.0	-50.0
316	30	21	-2.0	61.0	0.7	-0.1	740.0	-5.0	2.6	360.0	28.0	1.0	3.0	-50.0
317	31	1	246.0	20.0	-3.1	0.3	-100.0	-15.0	-1.1	1000.0	40.0	8.0	312.0	-50.0
318	31	2	68.0	20.0	-2.8	0.5	-50.0	-13.0	-1.0	950.0	41.0	9.0	380.0	-50.0
319	31	3	46.0	10.0	-2.5	0.3	-50.0	-12.0	-0.5	790.0	27.0	8.0	411.0	-50.0
320	31	4	150.0	88.0	2.4	0.3	-50.0	-10.0	-0.5	750.0	77.0	7.0	253.0	-50.0
321	31	5	13.0	72.0	22.0	0.4	-50.0	-12.0	1.1	800.0	300.0	6.0	264.0	-50.0
322	31	6	190.0	78.0	10.0	0.4	-50.0	-12.0	-0.5	810.0	110.0	10.0	357.0	-50.0
323	31	7	76.0	100.0	25.0	0.4	-50.0	-12.0	-0.5	780.0	110.0	10.0	269.0	-50.0
324	31	8	95.0	62.0	7.4	0.4	-50.0	-12.0	-0.5	840.0	91.0	10.0	360.0	-50.0
325	31	9	18.0	112.0	15.0	0.4	-50.0	-11.0	-0.5	810.0	140.0	9.0	285.0	-50.0
326	31	10	6260.0	50.0	34.0	0.7	-50.0	-12.0	-0.5	850.0	150.0	5.0	258.0	-50.0
327	31	11	-9.0	264.0	19.0	0.5	-50.0	-13.0	-0.5	860.0	210.0	8.0	315.0	-50.0
328	31	12	83.0	170.0	20.0	0.4	-50.0	-12.0	-0.5	730.0	150.0	6.0	312.0	-50.0
329	31	13	19.0	160.0	21.0	0.4	-50.0	-11.0	-0.5	730.0	140.0	7.0	246.0	-50.0
330	31	14	65.0	146.0	11.0	0.4	-50.0	12.0	-0.5	720.0	120.0	7.0	329.0	-50.0
331	31	15	853.0	208.0	78.5	0.5	-50.0	-12.0	1.1	900.0	210.0	6.0	283.0	-50.0
332	31	16	205.0	140.0	30.0	0.4	-50.0	17.0	-0.5	880.0	170.0	7.0	279.0	-50.0
333	31	17	42.0	110.0	24.0	0.5	-50.0	-11.0	-0.5	800.0	190.0	6.0	245.0	-50.0
334	31	18	1680.0	119.0	31.0	0.5	-50.0	-12.0	1.5	890.0	150.0	7.0	241.0	-50.0
335	31	19	-8.0	100.0	14.0	0.4	-50.0	-12.0	-0.5	820.0	95.0	8.0	206.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
336	31	20	73.0	70.0	68.5	0.8	-50.0	-11.0	-0.5	1000.0	94.0	6.0	214.0	-50.0
337	31	21	23.0	56.0	71.9	0.7	-50.0	-11.0	-0.5	960.0	91.0	6.0	222.0	-50.0
338	31	22	84.0	50.0	82.6	0.8	-50.0	-10.0	-0.5	840.0	86.0	7.0	214.0	-50.0
339	31	23	92.0	128.0	56.7	0.6	-50.0	-10.0	-0.5	810.0	210.0	6.0	155.0	-50.0
340	31	24	3.0	59.0	0.9	-0.1	860.0	-5.0	2.5	390.0	25.0	-1.0	3.0	-50.0
341	32	1	44.0	46.0	13.0	0.5	-50.0	-11.0	-0.5	880.0	97.0	7.0	205.0	-50.0
342	32	2	110.0	28.0	6.2	0.5	-50.0	-14.0	-0.5	990.0	47.0	9.0	309.0	-50.0
343	32	3	66.0	68.0	12.0	0.5	-50.0	-13.0	-0.5	930.0	84.0	8.0	266.0	-50.0
344	32	4	91.0	126.0	24.0	0.4	-50.0	-14.0	-1.0	980.0	280.0	8.0	223.0	-50.0
345	32	5	180.0	238.0	21.0	0.5	150.0	-14.0	-1.0	1000.0	220.0	7.0	260.0	-50.0
346	32	6	326.0	152.0	18.0	0.4	-50.0	-13.0	-0.5	980.0	180.0	9.0	293.0	-50.0
347	32	7	-10.0	110.0	29.0	0.4	-50.0	-14.0	-1.0	960.0	170.0	8.0	361.0	-50.0
348	32	8	16.0	114.0	21.0	0.6	-50.0	-14.0	-0.5	870.0	110.0	7.0	305.0	-50.0
349	32	9	564.0	124.0	29.0	0.5	-50.0	-13.0	-0.5	870.0	140.0	7.0	341.0	-50.0
350	32	10	190.0	102.0	21.0	0.5	170.0	-14.0	-0.5	1100.0	120.0	3.0	174.0	-50.0
351	32	11	53.0	154.0	68.2	0.7	-50.0	-13.0	1.2	950.0	250.0	7.0	275.0	-50.0
352	32	12	52.0	200.0	58.7	0.9	-50.0	-13.0	-0.5	930.0	260.0	6.0	277.0	-50.0
353	32	13	230.0	214.0	41.0	0.7	-50.0	-13.0	-0.5	900.0	240.0	6.0	266.0	-50.0
354	32	14	3.0	52.0	-0.5	-0.1	580.0	-5.0	3.5	270.0	29.0	-1.0	4.0	-50.0
355	33	1	-12.0	12.0	5.3	0.6	-120.0	-18.0	-1.3	1300.0	35.0	12.0	214.0	-50.0
356	33	2	68.0	66.0	18.0	0.6	-130.0	-20.0	-1.4	1200.0	57.0	8.0	523.0	-50.0
357	33	3	593.0	82.0	12.0	0.4	-110.0	-16.0	-1.2	1100.0	90.0	9.0	304.0	-50.0
358	33	4	6200.0	112.0	18.0	0.4	200.0	-12.0	-0.5	840.0	99.0	7.0	88.0	-50.0
359	33	5	322.0	228.0	31.0	1.2	-50.0	-11.0	-0.5	830.0	170.0	7.0	101.0	-50.0
360	33	6	41.0	258.0	58.1	0.7	-50.0	-11.0	-0.5	810.0	200.0	5.0	110.0	-50.0
361	33	7	630.0	140.0	33.0	0.4	-50.0	-13.0	0.9	940.0	130.0	9.0	318.0	-50.0
362	33	8	27.0	66.0	21.0	0.6	-50.0	-13.0	-0.5	890.0	130.0	7.0	307.0	-50.0
363	33	9	16.0	138.0	24.0	0.7	-50.0	-15.0	-1.1	1100.0	140.0	8.0	261.0	-50.0
364	33	10	29.0	92.0	23.0	0.3	-120.0	-18.0	-1.2	1100.0	140.0	7.0	369.0	-50.0
365	33	11	70.0	88.0	42.0	0.5	-50.0	-13.0	-0.5	970.0	170.0	6.0	335.0	-50.0
366	33	12	180.0	130.0	38.0	0.6	-100.0	-16.0	-1.1	1100.0	170.0	7.0	374.0	-50.0
367	33	13	92.0	50.0	27.0	0.5	-120.0	-17.0	-1.2	940.0	100.0	8.0	439.0	-50.0
368	33	14	150.0	34.0	27.0	0.4	-120.0	-18.0	-1.2	900.0	75.0	7.0	392.0	-50.0
369	33	15	-2.0	53.0	-0.5	-0.1	640.0	-5.0	3.8	310.0	25.0	1.0	4.0	-50.0
370	34	1	150.0	20.0	-3.6	0.4	-50.0	-15.0	-1.0	1000.0	34.0	8.0	371.0	-50.0
371	34	2	23.0	12.0	5.2	0.4	-110.0	-18.0	-1.2	980.0	34.0	10.0	321.0	-50.0
372	34	3	1060.0	22.0	3.9	0.3	-50.0	-14.0	-0.5	960.0	37.0	6.0	362.0	-50.0
373	34	4	205.0	16.0	-3.1	0.3	-50.0	-14.0	-1.0	890.0	31.0	7.0	371.0	-50.0
374	34	5	150.0	102.0	11.0	0.3	-50.0	-13.0	-0.5	880.0	96.0	6.0	317.0	-50.0
375	34	6	120.0	44.0	4.7	0.4	-50.0	-14.0	1.2	910.0	62.0	8.0	370.0	-50.0
376	34	7	16.0	10.0	-2.7	0.3	-50.0	-12.0	-0.5	830.0	46.0	6.0	259.0	-50.0
377	34	8	44.0	44.0	3.6	-0.1	-110.0	-15.0	-1.0	880.0	210.0	9.0	262.0	-50.0
378	34	9	-10.0	24.0	7.4	0.5	-110.0	-15.0	-1.1	930.0	64.0	9.0	430.0	-50.0
379	34	10	-10.0	70.0	11.0	0.3	-100.0	-14.0	-1.0	920.0	66.0	8.0	393.0	-50.0
380	34	11	21.0	150.0	39.0	0.6	-50.0	-13.0	-0.5	860.0	140.0	7.0	368.0	-50.0
381	34	12	1600.0	172.0	110.0	1.0	-50.0	-12.0	-0.5	840.0	220.0	4.0	190.0	-50.0
382	34	13	329.0	208.0	864.0	0.9	-50.0	-11.0	-0.5	550.0	180.0	3.0	80.0	-50.0
383	34	14	280.0	80.0	106.0	0.6	-100.0	-15.0	-1.1	880.0	93.0	3.0	208.0	-50.0
384	34	15	1470.0	72.0	87.8	0.5	-110.0	-16.0	-1.1	940.0	88.0	7.0	215.0	-50.0
385	34	16	100.0	142.0	48.0	0.5	-100.0	-16.0	-1.1	930.0	160.0	5.0	248.0	-50.0
386	34	17	100.0	114.0	43.0	0.5	-110.0	-16.0	1.8	870.0	160.0	4.0	239.0	-50.0
387	35	1	522.0	114.0	24.0	0.6	-100.0	-15.0	-1.1	970.0	160.0	9.0	343.0	-50.0
388	35	2	351.0	48.0	20.0	0.6	-130.0	-20.0	-1.4	1200.0	100.0	7.0	347.0	-50.0
389	35	3	505.0	172.0	38.0	0.5	-50.0	-14.0	-1.0	840.0	210.0	6.0	300.0	-50.0
390	35	4	961.0	156.0	33.0	0.5	-50.0	-14.0	-1.0	910.0	180.0	6.0	305.0	-50.0
391	35	5	1570.0	114.0	37.0	0.4	-110.0	-15.0	-1.1	910.0	120.0	6.0	384.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
392	35	6	75.0	94.0	23.0	0.4	-100.0	-15.0	-1.0	790.0	110.0	6.0	391.0	-50.0
393	35	7	202.0	142.0	24.0	0.8	140.0	-14.0	-0.5	820.0	120.0	7.0	386.0	-50.0
394	35	8	304.0	104.0	12.0	0.4	-50.0	-14.0	-1.0	980.0	110.0	8.0	297.0	-50.0
395	35	9	30.0	68.0	7.9	0.4	-50.0	-13.0	-0.5	910.0	68.0	6.0	263.0	-50.0
396	35	10	2.0	0.0	0.7	0.1	640.0	-5.0	3.9	210.0	22.0	-1.0	3.0	-50.0
397	36	1	19.0	150.0	30.0	0.6	-100.0	-15.0	-1.0	1000.0	150.0	8.0	323.0	-50.0
398	36	2	55.0	142.0	29.0	0.6	-50.0	-13.0	-0.5	870.0	130.0	5.0	272.0	-50.0
399	36	3	47.0	118.0	20.0	0.4	-50.0	-12.0	-0.5	870.0	110.0	6.0	285.0	-50.0
400	36	4	265.0	112.0	27.0	0.5	-50.0	-14.0	-1.0	1100.0	110.0	7.0	323.0	-50.0
401	36	5	215.0	166.0	27.0	0.5	-50.0	-14.0	-0.5	960.0	180.0	5.0	290.0	-50.0
402	36	6	426.0	108.0	25.0	0.6	-50.0	-14.0	-0.5	1000.0	120.0	6.0	362.0	-50.0
403	36	7	591.0	81.0	41.0	1.3	-110.0	-16.0	-1.2	1300.0	120.0	6.0	227.0	-72.0
404	36	8	218.0	90.0	15.0	0.6	-50.0	-13.0	-0.5	970.0	110.0	5.0	264.0	-50.0
405	36	9	110.0	48.0	15.0	0.5	130.0	-14.0	-0.5	1000.0	69.0	6.0	292.0	-50.0
406	36	10	-8.0	42.0	15.0	0.5	-50.0	-13.0	-0.5	1000.0	69.0	8.0	81.0	-50.0
407	36	11	-9.0	74.0	10.0	0.4	-50.0	-14.0	-0.5	1100.0	75.0	6.0	215.0	-50.0
408	36	12	120.0	84.0	17.0	0.3	-50.0	-14.0	-0.5	940.0	89.0	6.0	410.0	-50.0
409	36	13	236.0	96.0	36.0	0.5	-50.0	-15.0	1.1	980.0	110.0	5.0	409.0	-50.0
410	36	14	110.0	90.0	17.0	0.4	-50.0	-14.0	-0.5	870.0	110.0	7.0	377.0	-50.0
411	36	15	87.0	42.0	-3.1	0.3	-50.0	-13.0	-0.5	800.0	36.0	6.0	330.0	-50.0
412	36	16	4.0	0.0	0.9	-0.1	610.0	-5.0	3.7	340.0	24.0	-1.0	4.0	-50.0
413	37	1	140.0	124.0	22.0	0.3	130.0	-13.0	-0.5	750.0	120.0	5.0	174.0	-50.0
414	37	2	180.0	96.0	50.5	0.5	-50.0	-13.0	-0.5	730.0	98.0	6.0	200.0	-50.0
415	37	3	120.0	180.0	28.0	0.6	-140.0	-19.0	-1.5	870.0	170.0	7.0	179.0	-50.0
416	37	4	140.0	220.0	20.0	0.5	-110.0	-16.0	-1.2	850.0	170.0	7.0	219.0	-50.0
417	37	5	-11.0	210.0	30.0	0.6	-110.0	-15.0	-1.2	890.0	180.0	9.0	341.0	-50.0
418	37	6	-10.0	128.0	18.0	0.5	-50.0	-14.0	-1.1	740.0	140.0	6.0	208.0	-50.0
419	37	7	853.0	182.0	21.0	0.3	160.0	-14.0	-1.1	810.0	140.0	7.0	295.0	-50.0
420	37	8	-11.0	106.0	22.0	0.5	-110.0	17.0	1.2	940.0	180.0	7.0	344.0	-50.0
421	37	9	4030.0	138.0	22.0	0.5	-110.0	-15.0	1.2	1000.0	160.0	7.0	282.0	-50.0
422	37	10	83.0	198.0	18.0	0.5	-50.0	21.0	-1.2	760.0	170.0	7.0	194.0	-50.0
423	37	11	273.0	135.0	26.0	1.0	-100.0	-15.0	-1.2	980.0	160.0	7.0	285.0	-50.0
424	37	12	190.0	120.0	24.0	0.7	-50.0	-14.0	-1.1	990.0	160.0	8.0	252.0	-50.0
425	37	13	64.0	140.0	23.0	0.6	-50.0	-13.0	-1.0	990.0	160.0	8.0	222.0	-50.0
426	37	14	342.0	180.0	112.0	0.7	-120.0	-17.0	-1.3	1100.0	160.0	7.0	294.0	-50.0
427	37	15	190.0	154.0	63.8	0.9	-50.0	-13.0	1.2	990.0	150.0	7.0	219.0	-50.0
428	37	16	75.0	130.0	74.3	1.4	-110.0	-15.0	-1.2	1000.0	170.0	8.0	247.0	-50.0
429	37	17	140.0	445.0	33.0	0.8	-220.0	-30.0	-2.3	960.0	300.0	8.0	240.0	-130.0
430	37	18	1550.0	138.0	23.0	0.5	-120.0	-17.0	-1.3	950.0	140.0	8.0	231.0	-50.0
431	37	19	120.0	144.0	23.0	0.6	-130.0	-18.0	-1.4	920.0	140.0	6.0	228.0	-50.0
432	37	20	64.0	172.0	23.0	1.3	170.0	-16.0	-1.2	810.0	130.0	4.0	206.0	-50.0
433	37	21	231.0	184.0	10.0	0.4	-140.0	-19.0	-1.5	980.0	88.0	9.0	281.0	-50.0
434	37	22	40.0	296.0	16.0	0.5	-140.0	-21.0	-1.5	950.0	40.0	4.0	256.0	-50.0
435	37	23	4450.0	118.0	56.8	0.7	-130.0	-18.0	-1.4	900.0	71.0	7.0	229.0	-50.0
436	38	1	211.0	98.0	15.0	0.5	-110.0	-16.0	-1.2	780.0	99.0	10.0	249.0	-50.0
437	38	2	83.0	98.0	19.0	0.6	-110.0	-16.0	-1.2	890.0	140.0	5.0	297.0	-73.0
438	38	3	-11.0	120.0	23.0	0.4	-100.0	-15.0	-1.1	870.0	120.0	6.0	313.0	-50.0
439	38	4	61.0	142.0	27.0	0.7	-100.0	-15.0	-1.2	880.0	140.0	7.0	290.0	-50.0
440	38	5	20.0	156.0	25.0	0.6	-110.0	-16.0	-1.2	900.0	140.0	9.0	268.0	-50.0
441	38	6	24.0	122.0	16.0	0.5	-50.0	-14.0	-1.0	840.0	120.0	6.0	297.0	-50.0
442	38	7	36.0	120.0	13.0	0.4	-50.0	-10.0	-0.5	600.0	110.0	6.0	216.0	-50.0
443	38	8	218.0	174.0	15.0	0.4	-50.0	-14.0	-1.1	770.0	140.0	8.0	287.0	-50.0
444	38	9	160.0	86.0	19.0	0.4	-50.0	-14.0	-1.0	870.0	140.0	7.0	280.0	-50.0
445	38	10	281.0	106.0	15.0	0.5	-50.0	-14.0	-1.1	830.0	130.0	9.0	356.0	-50.0
446	38	11	66.0	124.0	24.0	0.7	-100.0	-15.0	-1.1	890.0	140.0	8.0	281.0	-50.0
447	38	12	120.0	166.0	22.0	0.5	-120.0	-17.0	-1.3	950.0	180.0	5.0	265.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
448	38	13	39.0	116.0	18.0	0.4	-100.0	-15.0	-1.1	790.0	120.0	8.0	312.0	-50.0
449	38	14	-11.0	74.0	26.0	0.6	-110.0	-16.0	-1.2	910.0	85.0	8.0	301.0	-50.0
450	38	15	-10.0	64.0	23.0	0.6	-50.0	-14.0	-1.0	770.0	65.0	9.0	305.0	-50.0
451	38	16	44.0	28.0	33.0	0.4	-100.0	-16.0	-1.1	920.0	81.0	7.0	238.0	-50.0
452	38	17	4.0	0.0	1.1	0.3	550.0	-5.0	2.3	180.0	14.0	-1.0	4.0	-50.0
453	39	1	110.0	84.0	8.2	0.4	-50.0	-14.0	-1.1	810.0	100.0	10.0	279.0	-50.0
454	39	2	140.0	132.0	15.0	0.5	-50.0	-14.0	-1.0	680.0	120.0	6.0	276.0	-50.0
455	39	3	333.0	54.0	22.0	0.5	-50.0	-15.0	-1.0	780.0	110.0	8.0	256.0	-50.0
456	39	4	92.0	116.0	15.0	0.5	-110.0	-16.0	1.6	870.0	120.0	9.0	360.0	-50.0
457	39	5	89.0	106.0	20.0	0.4	-110.0	-16.0	-1.2	900.0	140.0	7.0	384.0	-50.0
458	39	6	150.0	100.0	21.0	0.5	-110.0	-17.0	-1.3	880.0	170.0	7.0	421.0	-50.0
459	39	7	252.0	96.0	27.0	0.5	-120.0	-18.0	-1.3	930.0	150.0	7.0	364.0	-50.0
460	39	8	140.0	124.0	71.2	0.6	-120.0	-17.0	-1.2	1000.0	140.0	7.0	402.0	-50.0
461	39	9	98.0	138.0	30.0	0.5	-120.0	-18.0	-1.3	920.0	130.0	11.0	363.0	-50.0
462	39	10	190.0	218.0	32.0	0.6	-130.0	-20.0	-1.4	1100.0	270.0	8.0	347.0	-50.0
463	39	11	21.0	230.0	35.0	0.5	-120.0	-18.0	-1.3	960.0	280.0	5.0	281.0	-50.0
464	39	12	448.0	230.0	37.0	0.5	-110.0	-17.0	-1.2	1000.0	300.0	5.0	284.0	-50.0
465	39	13	226.0	309.0	44.0	0.7	-120.0	-17.0	-1.2	900.0	380.0	5.0	241.0	-50.0
466	39	14	-14.0	268.0	35.0	0.7	-130.0	-20.0	-1.4	990.0	280.0	6.0	251.0	-50.0
467	39	15	264.0	172.0	42.0	0.7	-130.0	-19.0	-1.4	1000.0	200.0	8.0	285.0	-50.0
468	39	16	25.0	106.0	36.0	0.8	-120.0	-18.0	-1.3	1100.0	150.0	10.0	288.0	-50.0
469	39	17	-13.0	34.0	14.0	0.6	-120.0	-19.0	-1.3	950.0	67.0	9.0	324.0	-50.0
470	39	21	3.0	0.0	1.5	0.1	560.0	-5.0	1.9	110.0	27.0	-1.0	4.0	-50.0
471	40	1	-2.0	0.0	-0.5	-0.1	120.0	-5.0	1.3	170.0	25.0	2.0	3.0	-50.0
472	41	1	190.0	54.0	5.4	0.5	-110.0	-16.0	-1.1	830.0	54.0	11.0	299.0	-50.0
473	41	2	-11.0	92.0	20.0	0.6	-100.0	-15.0	-1.1	920.0	120.0	8.0	255.0	-50.0
474	41	3	69.0	108.0	31.0	0.6	-110.0	-17.0	-1.2	930.0	180.0	10.0	240.0	-50.0
475	41	4	234.0	174.0	49.0	0.5	-50.0	-15.0	-1.0	780.0	170.0	5.0	220.0	-50.0
476	41	5	-11.0	206.0	43.0	0.6	-100.0	-16.0	-1.1	850.0	220.0	6.0	238.0	-50.0
477	41	6	8.0	0.0	0.5	-0.1	150.0	-5.0	2.3	300.0	36.0	2.0	3.0	-50.0
478	42	1	42.0	86.0	28.0	0.5	-110.0	-16.0	-1.1	750.0	140.0	11.0	327.0	-50.0
479	42	2	46.0	90.0	16.0	0.5	-120.0	-19.0	-1.2	1100.0	110.0	11.0	308.0	-50.0
480	42	3	73.0	96.0	20.0	0.4	-120.0	-18.0	-1.3	910.0	100.0	11.0	304.0	-50.0
481	42	4	71.0	98.0	50.4	0.4	-110.0	-18.0	-1.2	970.0	120.0	10.0	315.0	-50.0
482	42	5	32.0	88.0	23.0	0.5	-120.0	-18.0	-1.3	990.0	110.0	9.0	311.0	-50.0
483	42	6	333.0	110.0	24.0	0.6	-100.0	-16.0	-1.1	840.0	110.0	8.0	274.0	-50.0
484	42	7	25.0	98.0	24.0	0.5	-100.0	-16.0	-1.1	880.0	110.0	8.0	225.0	-50.0
485	42	8	-16.0	122.0	22.0	0.6	-140.0	-23.0	-1.5	1300.0	120.0	9.0	309.0	-50.0
486	42	9	6.0	0.0	0.9	0.2	230.0	-5.0	1.8	510.0	43.0	-1.0	3.0	-50.0
487	43	1	89.0	56.0	53.5	-0.2	-130.0	-20.0	-1.4	1100.0	140.0	13.0	241.0	-50.0
488	43	2	20.0	224.0	20.0	0.6	-110.0	-16.0	2.1	980.0	130.0	10.0	213.0	-50.0
489	43	3	95.0	142.0	107.0	0.7	-110.0	-17.0	-1.2	860.0	160.0	8.0	298.0	-50.0
490	43	4	120.0	168.0	38.0	0.5	-50.0	-15.0	-1.0	850.0	210.0	5.0	209.0	-50.0
491	43	5	110.0	174.0	23.0	0.6	-100.0	-16.0	1.3	880.0	160.0	9.0	241.0	-50.0
492	43	6	34.0	110.0	29.0	0.4	-110.0	-18.0	-1.2	1000.0	140.0	9.0	278.0	-50.0
493	43	7	220.0	134.0	43.0	0.7	170.0	-17.0	-1.1	810.0	130.0	7.0	152.0	-50.0
494	43	8	11.0	0.0	1.7	0.2	600.0	-5.0	16.0	430.0	36.0	-1.0	5.0	-50.0
495	44	1	8.0	0.0	-0.5	0.1	670.0	-5.0	6.7	350.0	26.0	-1.0	4.0	-50.0
496	45	1	200.0	62.0	11.0	0.5	-120.0	-19.0	-1.3	960.0	97.0	10.0	288.0	-50.0
497	45	2	14.0	0.0	1.6	0.4	170.0	-5.0	1.6	580.0	45.0	-1.0	3.0	-50.0
498	46	1	47.0	108.0	11.0	0.4	-130.0	-20.0	-1.4	940.0	96.0	14.0	267.0	-50.0
499	46	2	22.0	90.0	14.0	0.5	-120.0	-19.0	-1.3	870.0	92.0	9.0	261.0	-50.0
500	46	3	4.0	0.0	0.7	0.5	140.0	-5.0	1.0	440.0	51.0	-1.0	3.0	-50.0
501	47	1	120.0	142.0	31.0	0.4	-110.0	-17.0	-1.2	860.0	180.0	8.0	309.0	-50.0
502	47	2	140.0	72.0	31.0	0.5	-120.0	-20.0	-1.3	1100.0	110.0	8.0	336.0	-50.0
503	47	3	-18.0	82.0	18.0	0.5	-160.0	-26.0	-1.7	1200.0	110.0	6.0	368.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
504	47	4	190.0	76.0	44.0	0.4	-110.0	-15.0	-1.2	1100.0	86.0	6.0	252.0	-50.0
505	47	5	293.0	144.0	21.0	0.5	-50.0	-13.0	-1.0	1000.0	150.0	7.0	268.0	-50.0
506	47	6	222.0	294.0	24.0	0.4	-50.0	-12.0	-0.5	890.0	200.0	7.0	208.0	-50.0
507	47	7	4.0	0.0	0.9	0.6	280.0	-5.0	2.6	300.0	48.0	-1.0	3.0	-50.0
508	48	1	7.0	0.0	0.6	0.2	270.0	-5.0	1.6	110.0	32.0	1.0	4.0	-50.0
509	48	2	7.0	0.0	-0.5	0.2	300.0	-5.0	1.9	130.0	28.0	-1.0	4.0	-50.0
510	49	1	41.0	12.0	4.4	0.3	-50.0	-13.0	-1.0	1100.0	37.0	7.0	201.0	-50.0
511	49	2	14.0	94.0	7.9	0.3	-50.0	-12.0	-0.5	970.0	90.0	10.0	192.0	-50.0
512	49	3	-8.0	94.0	10.0	0.5	-50.0	-12.0	-0.5	1000.0	91.0	6.0	213.0	-50.0
513	49	4	45.0	136.0	12.0	0.4	-50.0	10.0	-0.5	810.0	110.0	4.0	153.0	-50.0
514	49	5	-2.0	0.0	-0.5	-0.1	210.0	-5.0	1.7	240.0	47.0	-1.0	3.0	-50.0
515	50	1	-2.0	0.0	-0.5	-0.1	120.0	-5.0	2.2	300.0	46.0	1.0	3.0	-50.0
516	51	1	471.0	22.0	-3.0	0.3	-100.0	-14.0	1.4	1100.0	34.0	6.0	243.0	-50.0
517	51	2	59.0	142.0	26.0	0.5	-50.0	-12.0	-0.5	900.0	130.0	7.0	227.0	-50.0
518	51	3	12.0	0.0	1.5	0.2	160.0	-5.0	5.0	240.0	27.0	-1.0	6.0	-50.0
519	51	4	-2.0	0.0	0.5	0.1	170.0	-5.0	3.5	200.0	26.0	-1.0	5.0	-50.0
520	52	1	120.0	96.0	13.0	0.4	-50.0	-13.0	-1.0	1000.0	92.0	11.0	244.0	-50.0
521	52	2	78.0	110.0	22.0	0.5	-50.0	-11.0	-0.5	880.0	110.0	7.0	192.0	-50.0
522	52	3	6.0	0.0	-0.5	0.2	120.0	-5.0	2.2	260.0	32.0	-1.0	5.0	-50.0
523	53	1	67.0	70.0	15.0	0.5	-50.0	-12.0	-0.5	870.0	78.0	6.0	210.0	-50.0
524	53	2	3.0	0.0	10.0	0.3	220.0	-5.0	2.4	92.0	6.0	-1.0	6.0	-50.0
525	54	1	63.0	82.0	14.0	0.3	-50.0	-11.0	-0.5	750.0	75.0	7.0	185.0	-50.0
526	54	2	605.0	284.0	20.0	0.6	-50.0	-5.0	-0.5	640.0	180.0	6.0	126.0	-50.0
527	54	3	262.0	390.0	35.0	0.6	-50.0	-5.0	-0.5	800.0	160.0	6.0	158.0	-50.0
528	54	4	-2.0	0.0	-0.5	0.2	290.0	-5.0	3.9	120.0	9.0	1.0	8.0	-50.0
529	55	1	251.0	20.0	-2.6	0.4	-50.0	-12.0	-0.5	1000.0	55.0	6.0	256.0	-50.0
530	55	2	205.0	14.0	-2.4	0.3	-50.0	-11.0	-0.5	860.0	30.0	7.0	258.0	-50.0
531	55	3	-8.0	158.0	8.2	0.4	-50.0	-10.0	-0.5	790.0	100.0	7.0	232.0	-50.0
532	55	4	226.0	136.0	13.0	0.4	-50.0	-11.0	-0.5	760.0	95.0	8.0	241.0	-50.0
533	55	5	41.0	80.0	21.0	0.4	-50.0	-11.0	-0.5	800.0	110.0	4.0	243.0	-50.0
534	55	6	425.0	268.0	15.0	0.5	-50.0	-11.0	-0.5	900.0	110.0	5.0	199.0	-50.0
535	55	7	120.0	88.0	17.0	0.4	-50.0	-12.0	-0.5	1000.0	98.0	7.0	256.0	-50.0
536	55	8	4.0	0.0	-0.5	-0.1	180.0	-5.0	0.8	240.0	41.0	-1.0	3.0	-50.0
537	56	1	77.0	46.0	6.7	0.3	-50.0	17.0	-0.5	1200.0	51.0	8.0	178.0	-50.0
538	56	2	-8.0	88.0	10.0	0.4	-50.0	-12.0	-0.5	810.0	77.0	9.0	129.0	-50.0
539	56	3	794.0	74.0	14.0	0.3	160.0	-13.0	-0.5	970.0	68.0	5.0	198.0	-50.0
540	56	4	-2.0	0.0	1.1	0.1	730.0	-5.0	4.0	210.0	15.0	1.0	4.0	-50.0
541	56	5	3.0	0.0	1.5	0.2	440.0	-5.0	3.8	170.0	10.0	-1.0	3.0	-50.0
542	57	1	12.0	52.0	20.0	0.4	-50.0	-12.0	-0.5	820.0	65.0	9.0	258.0	-50.0
543	57	2	259.0	56.0	16.0	0.6	-100.0	-14.0	-1.0	1000.0	73.0	10.0	330.0	-50.0
544	57	3	-2.0	0.0	-0.5	0.1	180.0	-5.0	2.0	180.0	44.0	1.0	4.0	-50.0
545	58	1	559.0	164.0	22.0	0.4	-50.0	-13.0	-0.5	910.0	140.0	6.0	260.0	-50.0
546	58	2	32.0	60.0	17.0	0.4	-100.0	-14.0	-1.1	930.0	78.0	9.0	298.0	-50.0
547	58	3	1520.0	80.0	16.0	0.5	-50.0	-13.0	-0.5	990.0	79.0	8.0	275.0	-50.0
548	58	4	31.0	0.0	1.7	-0.1	430.0	-5.0	2.0	280.0	50.0	1.0	5.0	-50.0
549	59	1	52.0	58.0	2.9	0.2	-50.0	-13.0	1.3	990.0	67.0	6.0	298.0	-50.0
550	59	2	42.0	116.0	22.0	0.6	-50.0	-12.0	-0.5	930.0	120.0	6.0	269.0	-50.0
551	59	3	14.0	88.0	16.0	0.3	-50.0	-13.0	-0.5	930.0	92.0	7.0	267.0	-50.0
552	59	4	350.0	166.0	39.0	0.5	-50.0	-13.0	-0.5	920.0	110.0	6.0	251.0	-50.0
553	59	5	25.0	134.0	24.0	0.3	-50.0	-13.0	-0.5	1000.0	110.0	6.0	165.0	-50.0
554	59	6	7.0	0.0	0.8	0.1	71.0	-5.0	-0.5	120.0	49.0	-1.0	5.0	-50.0
555	60	1	-10.0	134.0	20.0	0.5	-50.0	-13.0	-0.5	1000.0	87.0	7.0	296.0	-50.0
556	60	2	511.0	100.0	15.0	0.6	-50.0	17.0	-1.0	1000.0	110.0	8.0	286.0	-50.0
557	60	3	66.0	86.0	19.0	0.3	-50.0	-13.0	-0.5	910.0	91.0	6.0	283.0	-50.0
558	60	4	2040.0	208.0	45.0	0.5	-50.0	-13.0	-0.5	820.0	140.0	6.0	232.0	-50.0
559	60	5	5.0	0.0	-0.5	-0.1	58.0	-5.0	-0.5	280.0	46.0	1.0	2.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
560	61	1	40.0	102.0	3.4	0.3	-50.0	-13.0	-0.5	910.0	73.0	5.0	299.0	-50.0
561	61	2	329.0	120.0	15.0	0.4	-50.0	-14.0	-0.5	940.0	110.0	9.0	323.0	-50.0
562	61	3	63.0	158.0	21.0	0.6	-50.0	-5.0	-0.5	790.0	150.0	7.0	257.0	-50.0
563	61	4	64.0	116.0	13.0	0.5	-50.0	-5.0	0.6	980.0	140.0	8.0	297.0	-50.0
564	61	5	68.0	102.0	18.0	0.6	83.0	-5.0	-0.5	800.0	150.0	7.0	258.0	-50.0
565	61	6	17.0	132.0	19.0	0.4	-50.0	-5.0	-0.5	920.0	150.0	7.0	252.0	-50.0
566	61	7	110.0	124.0	29.0	0.5	-50.0	-10.0	-0.5	1000.0	150.0	9.0	280.0	-50.0
567	61	8	-8.0	72.0	15.0	0.6	-50.0	-11.0	-0.5	1100.0	87.0	12.0	294.0	-50.0
568	61	9	120.0	74.0	13.0	0.5	120.0	-12.0	-0.5	1100.0	88.0	10.0	382.0	-50.0
569	61	10	36.0	56.0	10.0	0.5	-50.0	-5.0	-0.5	1100.0	78.0	9.0	279.0	-50.0
570	61	11	289.0	40.0	14.0	0.4	-50.0	-11.0	-0.5	1200.0	57.0	9.0	309.0	-50.0
571	61	12	130.0	202.0	11.0	0.4	-50.0	-5.0	-0.5	820.0	170.0	15.0	117.0	-50.0
572	61	13	4860.0	129.0	26.0	0.7	62.0	-5.0	-0.5	690.0	130.0	5.0	103.0	-50.0
573	61	14	9.0	0.0	0.7	-0.1	380.0	-5.0	1.1	170.0	13.0	-1.0	4.0	-50.0
574	62	1	58.0	68.0	45.0	0.5	-50.0	-12.0	-0.5	1300.0	120.0	10.0	337.0	-50.0
575	62	2	-7.0	40.0	43.0	0.4	-50.0	-11.0	-0.5	1100.0	99.0	8.0	338.0	-50.0
576	62	3	120.0	110.0	54.8	0.5	-50.0	-5.0	-0.5	1000.0	150.0	10.0	303.0	-50.0
577	62	4	100.0	96.0	52.2	0.6	130.0	-5.0	-0.5	1000.0	110.0	8.0	262.0	-50.0
578	62	5	-8.0	80.0	53.9	0.7	-50.0	-12.0	-0.5	1200.0	140.0	8.0	335.0	-50.0
579	62	6	83.0	88.0	113.0	1.4	-50.0	-5.0	-0.5	820.0	190.0	5.0	167.0	-50.0
580	62	7	45.0	108.0	51.9	0.5	-50.0	-11.0	-0.5	1200.0	140.0	7.0	316.0	-50.0
581	62	8	20.0	156.0	47.0	0.8	-50.0	-5.0	-0.5	890.0	130.0	7.0	171.0	-50.0
582	62	9	26.0	82.0	36.0	0.7	-50.0	-11.0	-0.5	880.0	110.0	7.0	246.0	-50.0
583	62	10	201.0	56.0	41.0	0.6	-50.0	-10.0	-0.5	870.0	100.0	8.0	228.0	-50.0
584	62	11	231.0	82.0	47.0	0.6	-50.0	-11.0	-0.5	900.0	100.0	8.0	235.0	-50.0
585	62	12	-2.0	0.0	1.3	-0.1	340.0	-5.0	2.1	57.0	35.0	1.0	5.0	-50.0
586	63	1	120.0	184.0	27.0	0.6	-50.0	-11.0	-0.5	890.0	130.0	11.0	179.0	-50.0
587	63	2	-2.0	0.0	-0.5	-0.1	230.0	-5.0	1.1	120.0	21.0	2.0	6.0	-50.0
588	64	1	32.0	34.0	7.8	0.3	-50.0	-11.0	-0.5	1200.0	55.0	9.0	240.0	-50.0
589	64	2	80.0	98.0	22.0	0.6	-50.0	-11.0	-0.5	870.0	160.0	9.0	279.0	-50.0
590	64	3	5400.0	46.0	19.0	0.4	-50.0	-13.0	-0.5	1000.0	93.0	12.0	270.0	-50.0
591	64	4	-2.0	0.0	0.6	-0.1	320.0	-5.0	4.3	120.0	36.0	1.0	5.0	-50.0
592	65	1	423.0	42.0	18.0	0.4	-50.0	-10.0	-0.5	910.0	98.0	8.0	206.0	-50.0
593	65	2	120.0	66.0	5.0	0.5	-50.0	-11.0	-0.5	950.0	95.0	9.0	146.0	-50.0
594	65	3	1790.0	100.0	6.3	0.3	-50.0	-5.0	0.8	710.0	86.0	7.0	94.0	-50.0
595	65	4	68.0	324.0	4.0	0.2	-50.0	-5.0	0.6	680.0	88.0	6.0	58.0	-50.0
596	65	5	12.0	0.0	1.0	0.1	390.0	-5.0	0.8	260.0	34.0	-1.0	4.0	-50.0
597	66	1	14.0	44.0	12.0	0.4	-50.0	-13.0	-0.5	1000.0	56.0	13.0	280.0	-50.0
598	66	2	-2.0	0.0	2.5	0.1	860.0	-5.0	1.4	230.0	14.0	2.0	4.0	-50.0
599	67	1	120.0	518.0	22.0	0.4	-50.0	-13.0	0.9	960.0	210.0	11.0	264.0	-50.0
600	67	2	19.0	100.0	33.0	0.6	-50.0	-16.0	-0.5	1200.0	83.0	16.0	398.0	-50.0
601	67	3	18.0	118.0	25.0	0.6	-50.0	-14.0	-0.5	1000.0	100.0	8.0	328.0	-50.0
602	67	4	-2.0	0.0	-0.5	0.1	310.0	-5.0	-0.5	230.0	51.0	-1.0	2.0	-50.0
603	67	5	1310.0	120.0	42.0	0.6	-50.0	-16.0	-0.5	1200.0	150.0	9.0	373.0	-50.0
604	67	6	35.0	176.0	54.6	0.7	-50.0	-14.0	-0.5	1100.0	180.0	10.0	286.0	-50.0
605	67	7	251.0	54.0	49.0	0.6	-50.0	-14.0	-0.5	1100.0	120.0	8.0	291.0	-50.0
606	67	8	13.0	0.0	-0.5	-0.1	230.0	-5.0	1.9	110.0	46.0	1.0	3.0	-50.0
607	68	1	7.0	0.0	-0.5	-0.1	210.0	-5.0	1.0	150.0	18.0	2.0	9.0	-50.0
608	69	1	5.0	0.0	-0.5	0.4	210.0	-5.0	1.8	150.0	19.0	1.0	7.0	-50.0
609	70	1	22.0	182.0	3.2	0.3	-50.0	-5.0	0.5	530.0	150.0	10.0	61.0	-50.0
610	70	2	13.0	202.0	-2.2	0.2	71.0	-5.0	0.8	360.0	190.0	2.0	7.0	-50.0
611	70	3	-2.0	0.0	-0.5	0.1	300.0	-5.0	1.2	150.0	33.0	-1.0	3.0	-50.0
612	71	1	3.0	0.0	-0.5	-0.1	930.0	-5.0	2.9	190.0	10.0	-1.0	4.0	-50.0
613	72	1	293.0	58.0	-2.5	0.1	81.0	-5.0	1.0	470.0	200.0	6.0	33.0	-50.0
614	72	2	545.0	94.0	21.0	0.4	-50.0	-12.0	-0.5	1000.0	75.0	10.0	319.0	-50.0
615	72	3	524.0	30.0	13.0	0.3	-50.0	20.0	-1.1	1100.0	51.0	13.0	322.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
616	72	4	-2.0	0.0	-0.5	0.1	110.0	-5.0	0.7	430.0	81.0	-1.0	2.0	-50.0
617	73	1	14.0	94.0	16.0	0.3	-50.0	-14.0	-0.5	1100.0	94.0	11.0	320.0	-50.0
618	73	2	6.0	0.0	1.8	0.2	330.0	-5.0	1.3	340.0	17.0	-1.0	4.0	-50.0
619	74	1	130.0	80.0	17.0	0.3	-50.0	-12.0	-0.5	980.0	92.0	8.0	221.0	-50.0
620	74	2	1240.0	46.0	18.0	0.4	-50.0	-14.0	0.9	910.0	55.0	8.0	229.0	-50.0
621	74	3	-2.0	0.0	0.9	-0.1	290.0	-5.0	1.2	160.0	42.0	1.0	3.0	-50.0
622	75	1	-2.0	0.0	1.0	-0.1	470.0	-5.0	2.4	200.0	24.0	2.0	4.0	-50.0
623	76	1	9.0	0.0	0.7	0.6	1200.0	-5.0	1.9	150.0	6.0	-1.0	4.0	-50.0
624	77	1	140.0	68.0	27.0	0.5	-50.0	-13.0	-0.5	1100.0	88.0	8.0	247.0	-50.0
625	77	2	61.0	46.0	15.0	0.5	-50.0	-13.0	-0.5	970.0	110.0	10.0	205.0	-50.0
626	77	3	15.0	0.0	2.1	0.6	1500.0	-5.0	6.5	280.0	23.0	2.0	4.0	-50.0
627	77	4	10.0	0.0	2.0	0.3	1100.0	-5.0	5.5	440.0	12.0	1.0	3.0	-50.0
628	78	1	110.0	60.0	16.0	0.5	110.0	-12.0	-0.5	1000.0	84.0	9.0	254.0	-50.0
629	78	2	505.0	102.0	114.0	0.5	82.0	-11.0	-0.5	880.0	91.0	10.0	186.0	-50.0
630	78	3	25.0	72.0	17.0	0.5	120.0	-12.0	-0.5	940.0	80.0	9.0	274.0	-50.0
631	78	4	95.0	70.0	26.0	0.4	-50.0	-12.0	-0.5	1000.0	99.0	8.0	233.0	-50.0
632	78	5	229.0	84.0	23.0	0.8	-50.0	-12.0	-0.5	1000.0	130.0	8.0	215.0	-50.0
633	78	6	3.0	0.0	-0.5	0.3	1300.0	-5.0	4.4	140.0	-5.0	1.0	3.0	-50.0
634	79	1	247.0	30.0	9.0	0.4	-50.0	-12.0	-0.5	1000.0	49.0	13.0	263.0	-50.0
635	79	2	33.0	68.0	10.0	0.4	-50.0	-11.0	-0.5	800.0	74.0	10.0	228.0	-50.0
636	79	3	-2.0	0.0	-0.5	0.4	1500.0	-5.0	2.6	140.0	-5.0	-1.0	4.0	-50.0
637	80	1	266.0	108.0	62.6	0.7	-50.0	-14.0	-0.5	720.0	400.0	7.0	169.0	-50.0
638	80	2	28.0	26.0	4.9	0.8	860.0	-5.0	13.0	220.0	23.0	-1.0	4.0	-50.0
639	81	1	2.0	5.0	-0.5	0.2	1300.0	-5.0	1.7	110.0	-5.0	-1.0	4.0	-50.0
640	82	1	1140.0	78.0	20.0	0.6	-50.0	-13.0	-0.5	970.0	95.0	10.0	255.0	-50.0
641	82	2	37.0	130.0	20.0	0.5	-50.0	-12.0	-0.5	840.0	120.0	9.0	207.0	-50.0
642	82	3	64.0	60.0	128.0	0.5	-50.0	-13.0	-0.5	810.0	91.0	8.0	252.0	-50.0
643	82	4	53.0	56.0	10.0	0.4	-50.0	-13.0	-0.5	820.0	110.0	9.0	318.0	-50.0
644	82	5	170.0	86.0	22.0	0.4	-50.0	-12.0	0.7	840.0	110.0	8.0	238.0	-50.0
645	82	6	32.0	120.0	27.0	0.6	-50.0	-16.0	-0.5	1100.0	210.0	9.0	287.0	-50.0
646	82	7	1020.0	108.0	17.0	0.4	-50.0	-14.0	-0.5	1000.0	130.0	9.0	323.0	-50.0
647	82	8	65.0	68.0	18.0	0.5	-50.0	13.0	-0.5	790.0	96.0	7.0	262.0	-50.0
648	82	9	130.0	58.0	8.7	0.3	-50.0	-12.0	-0.5	830.0	76.0	7.0	253.0	-50.0
649	82	10	26.0	56.0	14.0	0.3	-50.0	-13.0	-0.5	920.0	88.0	9.0	275.0	-50.0
650	82	11	100.0	112.0	21.0	0.7	-50.0	-17.0	-0.5	1100.0	110.0	11.0	322.0	-50.0
651	82	12	16.0	64.0	24.0	0.6	-50.0	-16.0	-0.5	1200.0	96.0	12.0	366.0	-50.0
652	82	13	8.0	9.0	4.5	0.6	1300.0	-5.0	10.0	230.0	15.0	2.0	4.0	-50.0
653	83	1	234.0	68.0	29.0	0.7	-50.0	-15.0	-0.5	1100.0	110.0	12.0	370.0	-50.0
654	83	2	-2.0	3.0	0.7	0.4	1500.0	-5.0	4.3	120.0	6.0	-1.0	3.0	-50.0
655	84	1	130.0	82.0	22.0	0.4	-50.0	-15.0	1.2	1100.0	100.0	10.0	364.0	-50.0
656	84	2	120.0	56.0	31.0	0.6	-50.0	-15.0	1.0	1000.0	87.0	11.0	334.0	-50.0
657	84	3	51.0	56.0	20.0	0.6	-50.0	-18.0	-0.5	1100.0	97.0	14.0	341.0	-50.0
658	84	4	40.0	126.0	26.0	0.5	-50.0	-13.0	-0.5	920.0	150.0	9.0	218.0	-50.0
659	84	5	130.0	138.0	30.0	0.6	-50.0	-12.0	-0.5	850.0	200.0	8.0	231.0	-50.0
660	84	6	42.0	180.0	41.0	1.0	-50.0	-13.0	-0.5	930.0	220.0	8.0	247.0	-50.0
661	84	7	110.0	158.0	42.0	0.7	-50.0	-13.0	0.6	920.0	200.0	7.0	229.0	-50.0
662	84	8	17.0	123.0	0.8	0.2	750.0	-5.0	12.0	320.0	36.0	-1.0	4.0	-50.0
663	85	1	160.0	86.0	24.0	0.4	-50.0	-15.0	-0.5	1000.0	100.0	9.0	311.0	-50.0
664	85	2	84.0	64.0	21.0	0.3	-50.0	-14.0	0.9	880.0	68.0	7.0	308.0	-50.0
665	85	3	618.0	68.0	15.0	0.4	-50.0	-14.0	-0.5	950.0	86.0	7.0	268.0	-50.0
666	85	4	45.0	48.0	17.0	0.6	-50.0	-16.0	-0.5	1100.0	76.0	8.0	310.0	-50.0
667	85	5	258.0	106.0	45.0	0.6	-50.0	-22.0	-0.5	1300.0	190.0	9.0	389.0	-50.0
668	85	6	160.0	114.0	63.4	1.0	-50.0	-12.0	-0.5	820.0	120.0	7.0	236.0	-50.0
669	85	7	474.0	102.0	54.7	0.7	-50.0	-11.0	-0.5	840.0	120.0	6.0	236.0	-50.0
670	85	8	59.0	68.0	34.0	0.5	-50.0	-11.0	-0.5	980.0	81.0	7.0	209.0	-50.0
671	85	9	160.0	122.0	78.5	0.8	-50.0	-13.0	-0.5	1100.0	150.0	8.0	255.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
672	85	10	10.0	9.0	1.4	0.4	1300.0	-5.0	12.0	300.0	14.0	1.0	4.0	-50.0
673	86	1	61.0	76.0	32.0	0.4	-50.0	-13.0	-1.0	970.0	96.0	11.0	224.0	-50.0
674	86	2	355.0	82.0	26.0	0.4	-50.0	-13.0	-0.5	980.0	94.0	11.0	283.0	-50.0
675	86	3	28.0	76.0	22.0	0.4	-100.0	-15.0	-1.1	1200.0	110.0	11.0	370.0	-50.0
676	86	4	305.0	138.0	51.2	0.6	-100.0	-15.0	-1.1	1100.0	150.0	10.0	266.0	-50.0
677	86	5	3300.0	134.0	46.0	0.5	-50.0	-13.0	-0.5	940.0	110.0	9.0	185.0	-50.0
678	86	6	-2.0	30.0	-0.5	-0.1	160.0	-5.0	1.7	91.0	50.0	-1.0	3.0	-50.0
679	87	1	-8.0	56.0	19.0	0.4	-50.0	-14.0	-1.0	1000.0	93.0	12.0	272.0	-50.0
680	87	2	474.0	134.0	27.0	0.3	-50.0	-13.0	-0.5	1000.0	150.0	9.0	246.0	-50.0
681	87	3	2320.0	256.0	16.0	0.5	-50.0	-12.0	-0.5	830.0	120.0	7.0	177.0	-50.0
682	87	4	3.0	50.0	-0.5	-0.1	140.0	-5.0	1.1	94.0	27.0	-1.0	4.0	-50.0
683	88	1	70.0	68.0	26.0	0.5	-110.0	-15.0	-1.1	990.0	94.0	15.0	300.0	-50.0
684	88	2	446.0	318.0	21.0	0.6	-50.0	-15.0	-1.1	1100.0	200.0	10.0	320.0	-50.0
685	88	3	455.0	106.0	26.0	0.6	-50.0	-13.0	-0.5	990.0	140.0	8.0	314.0	-50.0
686	88	4	46.0	124.0	63.8	0.7	-120.0	-18.0	-1.3	1300.0	120.0	10.0	367.0	-50.0
687	88	5	47.0	64.0	24.0	0.5	160.0	-16.0	-1.1	1100.0	100.0	9.0	330.0	-50.0
688	88	6	47.0	194.0	86.9	1.0	-50.0	-14.0	-1.0	870.0	400.0	8.0	213.0	-50.0
689	88	7	4.0	18.0	11.0	0.1	630.0	-5.0	1.5	160.0	12.0	-1.0	5.0	-50.0
690	89	1	-11.0	52.0	29.0	0.6	-120.0	-18.0	-1.3	1300.0	100.0	11.0	367.0	-50.0
691	89	2	77.0	52.0	19.0	0.4	-50.0	-14.0	-0.5	840.0	67.0	7.0	325.0	-50.0
692	89	3	25.0	22.0	7.0	0.3	-50.0	-17.0	-1.1	920.0	40.0	7.0	270.0	-50.0
693	89	4	337.0	48.0	11.0	0.3	-120.0	-20.0	-1.3	1100.0	62.0	6.0	296.0	-50.0
694	89	5	-11.0	50.0	5.1	0.5	-50.0	-17.0	-1.1	910.0	69.0	7.0	194.0	-50.0
695	89	6	73.0	60.0	7.2	0.5	-110.0	-19.0	-1.2	990.0	82.0	9.0	247.0	-50.0
696	89	7	1340.0	76.0	5.7	0.3	-50.0	-15.0	-0.5	800.0	94.0	7.0	184.0	-50.0
697	89	8	-8.0	74.0	4.9	0.4	-50.0	-14.0	-0.5	830.0	59.0	6.0	85.0	-50.0
698	89	9	2500.0	150.0	432.0	0.3	-110.0	-19.0	-1.2	890.0	73.0	9.0	78.0	-50.0
699	89	10	249.0	112.0	11.0	0.5	-50.0	-14.0	-0.5	720.0	85.0	7.0	92.0	-50.0
700	89	11	3.0	53.0	2.4	-0.1	240.0	-5.0	0.6	240.0	45.0	-1.0	2.0	-50.0
701	90	1	494.0	8.0	-5.3	0.3	-100.0	-19.0	-1.2	990.0	34.0	8.0	304.0	-50.0
702	90	2	1600.0	16.0	-5.0	0.3	-110.0	-19.0	-1.2	980.0	39.0	12.0	356.0	-50.0
703	90	3	150.0	44.0	10.0	0.7	-120.0	-21.0	-1.3	1000.0	72.0	11.0	293.0	-50.0
704	90	4	-11.0	76.0	19.0	0.4	-110.0	-18.0	-1.2	970.0	87.0	9.0	270.0	-50.0
705	90	5	72.0	168.0	13.0	0.3	-130.0	-22.0	-1.6	820.0	120.0	9.0	221.0	-50.0
706	90	6	51.0	92.0	12.0	0.5	-100.0	-21.0	-1.3	930.0	91.0	12.0	310.0	-50.0
707	90	7	130.0	800.0	15.0	0.4	150.0	-18.0	-1.1	990.0	290.0	9.0	225.0	-50.0
708	90	8	200.0	230.0	10.0	0.3	-110.0	-19.0	-1.3	830.0	250.0	6.0	219.0	-50.0
709	90	9	214.0	70.0	16.0	0.5	-150.0	-26.0	-1.7	1100.0	89.0	10.0	299.0	-50.0
710	90	10	83.0	260.0	13.0	0.3	-120.0	-21.0	-1.4	890.0	260.0	7.0	272.0	-50.0
711	90	11	539.0	148.0	7.5	0.3	-110.0	-19.0	-1.1	790.0	110.0	6.0	239.0	-50.0
712	90	12	204.0	68.0	16.0	0.6	-50.0	-17.0	2.0	940.0	67.0	8.0	272.0	-50.0
713	90	13	233.0	76.0	10.0	0.3	-150.0	-21.0	-1.6	1100.0	84.0	8.0	319.0	-50.0
714	90	14	19.0	110.0	23.0	0.5	-110.0	-16.0	-1.2	1100.0	130.0	7.0	270.0	-50.0
715	90	15	3.0	142.0	2.1	0.1	390.0	-5.0	1.7	-20.0	15.0	-1.0	5.0	-50.0
716	91	1	-9.0	68.0	31.0	0.5	-110.0	-15.0	-1.1	990.0	89.0	10.0	330.0	-50.0
717	91	2	160.0	158.0	24.0	0.4	-50.0	-13.0	-1.0	970.0	130.0	8.0	299.0	-50.0
718	91	3	66.0	202.0	19.0	0.7	-50.0	-12.0	-0.5	760.0	170.0	13.0	180.0	-50.0
719	91	4	130.0	226.0	11.0	0.4	-50.0	-11.0	-0.5	830.0	190.0	12.0	178.0	-50.0
720	91	5	110.0	94.0	11.0	0.5	-50.0	-14.0	-1.0	980.0	100.0	10.0	315.0	-50.0
721	91	6	140.0	92.0	43.0	0.5	-50.0	-10.0	-0.5	870.0	110.0	7.0	180.0	-50.0
722	91	7	57.0	120.0	27.0	0.4	-50.0	-11.0	-0.5	820.0	110.0	9.0	205.0	-50.0
723	91	8	-2.0	28.0	0.6	-0.1	290.0	-5.0	1.7	180.0	61.0	-1.0	2.0	-50.0
724	92	1	170.0	130.0	16.0	0.4	-50.0	-13.0	-0.5	1000.0	120.0	10.0	313.0	-50.0
725	92	2	51.0	93.0	19.0	0.5	-50.0	-13.0	-0.5	1000.0	110.0	8.0	292.0	-50.0
726	92	3	48.0	138.0	20.0	0.5	-50.0	-14.0	1.6	1000.0	140.0	10.0	288.0	-50.0
727	92	4	4.0	48.0	1.2	0.1	370.0	-5.0	2.0	200.0	7.0	-1.0	10.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
728	93	1	-8.0	142.0	16.0	0.5	-50.0	-13.0	-0.5	1100.0	180.0	8.0	270.0	-50.0
729	93	2	1050.0	166.0	31.0	0.4	-50.0	-11.0	-0.5	880.0	170.0	7.0	255.0	-50.0
730	93	3	-8.0	32.0	4.9	0.4	110.0	-11.0	-0.5	1100.0	41.0	8.0	220.0	-50.0
731	93	4	1110.0	60.0	7.4	0.5	-50.0	13.0	-0.5	1100.0	48.0	6.0	189.0	-50.0
732	93	5	381.0	56.0	10.0	0.5	-50.0	-12.0	-0.5	990.0	56.0	6.0	211.0	-50.0
733	93	6	931.0	55.0	8.6	0.5	-50.0	-12.0	-0.5	1100.0	58.0	6.0	165.0	-50.0
734	93	7	5.0	36.0	-0.5	-0.1	180.0	-5.0	5.9	72.0	32.0	-1.0	4.0	-50.0
735	94	1	140.0	98.0	22.0	0.5	-50.0	-14.0	-0.5	910.0	97.0	10.0	278.0	-50.0
736	94	2	120.0	78.0	22.0	0.5	110.0	-12.0	-0.5	800.0	71.0	9.0	251.0	-50.0
737	94	3	140.0	90.0	16.0	0.5	-50.0	-13.0	-0.5	930.0	83.0	11.0	288.0	-50.0
738	94	4	23.0	52.0	19.0	0.4	-50.0	-13.0	-0.5	950.0	79.0	11.0	303.0	-50.0
739	94	5	170.0	52.0	11.0	0.4	-50.0	-12.0	-0.5	870.0	69.0	9.0	279.0	-50.0
740	94	6	-9.0	60.0	12.0	0.4	-50.0	-12.0	-0.5	940.0	70.0	9.0	280.0	-50.0
741	94	7	1100.0	64.0	5.9	0.4	-50.0	-12.0	-0.5	880.0	63.0	7.0	256.0	-50.0
742	94	8	5.0	71.0	0.7	0.1	160.0	-5.0	2.7	180.0	50.0	-1.0	4.0	-50.0
743	95	1	170.0	28.0	-3.9	0.5	-110.0	-16.0	-1.2	1000.0	44.0	12.0	331.0	-50.0
744	95	2	110.0	14.0	-3.0	0.3	-50.0	-13.0	-0.5	930.0	34.0	13.0	327.0	-50.0
745	95	3	46.0	29.0	-3.1	0.2	-50.0	-13.0	-0.5	930.0	45.0	11.0	301.0	-50.0
746	95	4	-9.0	62.0	12.0	0.5	-50.0	-13.0	-0.5	910.0	91.0	10.0	284.0	-50.0
747	95	5	9130.0	78.0	3.7	0.3	-50.0	-13.0	-0.5	900.0	70.0	10.0	105.0	-50.0
748	95	6	3.0	46.0	0.6	0.5	280.0	-5.0	1.4	180.0	37.0	-1.0	4.0	-50.0
749	96	1	440.0	11.0	-3.9	-0.3	-50.0	-20.0	-1.1	800.0	28.0	7.0	203.0	-50.0
750	96	2	62.0	88.0	-4.4	-0.3	-130.0	-22.0	-1.4	820.0	84.0	7.0	217.0	-50.0
751	96	3	-13.0	14.0	-3.8	0.4	-130.0	-19.0	-1.2	840.0	42.0	9.0	230.0	-50.0
752	96	4	66.0	12.0	-4.2	-0.3	-120.0	-21.0	1.2	920.0	36.0	8.0	246.0	-50.0
753	96	5	150.0	10.0	-4.3	0.6	-130.0	-21.0	-1.3	930.0	38.0	8.0	297.0	-50.0
754	96	6	50.0	12.0	-4.1	0.6	-120.0	-21.0	-1.2	980.0	46.0	7.0	274.0	-50.0
755	96	7	-13.0	18.0	-4.0	-0.3	-120.0	-20.0	-1.1	860.0	35.0	8.0	206.0	-50.0
756	96	8	265.0	24.0	-3.4	-0.3	-120.0	-19.0	-1.2	900.0	52.0	7.0	236.0	-50.0
757	96	9	120.0	136.0	14.0	0.7	-100.0	-20.0	-1.2	890.0	140.0	6.0	226.0	-50.0
758	96	10	87.0	354.0	16.0	-0.5	-190.0	-27.0	-1.9	980.0	250.0	7.0	189.0	-50.0
759	96	11	57.0	77.0	14.0	0.6	-50.0	-16.0	-1.0	790.0	90.0	4.0	176.0	-50.0
760	96	12	64.0	130.0	23.0	0.9	-120.0	-22.0	-1.2	840.0	150.0	8.0	228.0	-50.0
761	96	13	234.0	76.0	12.0	-0.3	-120.0	-19.0	-1.1	830.0	92.0	8.0	243.0	-50.0
762	96	14	87.0	96.0	18.0	0.4	150.0	-18.0	-1.1	870.0	89.0	5.0	145.0	-50.0
763	96	15	100.0	162.0	19.0	-0.3	150.0	-18.0	-1.2	840.0	140.0	6.0	166.0	-50.0
764	96	16	42.0	152.0	22.0	0.4	-110.0	-18.0	-1.1	880.0	160.0	7.0	174.0	-50.0
765	96	17	9.0	63.0	1.3	-0.1	220.0	-5.0	1.3	270.0	27.0	-1.0	6.0	-50.0
766	97	1	-14.0	26.0	-4.6	0.8	-120.0	-23.0	-1.1	730.0	47.0	18.0	157.0	-50.0
767	97	2	110.0	40.0	-4.4	0.4	-130.0	-21.0	-1.3	1000.0	59.0	7.0	155.0	-50.0
768	97	3	97.0	14.0	-4.1	-0.3	-120.0	-20.0	-1.1	860.0	39.0	8.0	201.0	-50.0
769	97	4	130.0	28.0	-4.1	-0.3	-110.0	-20.0	-1.1	790.0	46.0	5.0	188.0	-50.0
770	97	5	492.0	12.0	-4.7	-0.3	-130.0	-23.0	-1.3	890.0	40.0	7.0	250.0	-50.0
771	97	6	79.0	16.0	-5.0	0.5	-140.0	-25.0	-1.4	970.0	54.0	9.0	198.0	-50.0
772	97	7	46.0	48.0	16.0	-0.3	-120.0	-22.0	-1.2	1000.0	74.0	5.0	263.0	-50.0
773	97	8	45.0	76.0	14.0	0.6	-120.0	-22.0	-1.2	990.0	110.0	7.0	225.0	-50.0
774	97	9	-23.0	70.0	18.0	0.5	-130.0	-22.0	-1.2	940.0	110.0	7.0	233.0	-50.0
775	97	10	120.0	78.0	22.0	-0.3	-120.0	-24.0	-1.3	990.0	120.0	9.0	252.0	-50.0
776	97	11	180.0	96.0	20.0	0.4	-120.0	-21.0	-1.1	920.0	130.0	8.0	222.0	-50.0
777	97	12	-16.0	92.0	19.0	0.5	-120.0	-22.0	-1.1	900.0	120.0	7.0	251.0	-50.0
778	97	13	33.0	94.0	143.0	0.6	-110.0	-20.0	-1.1	830.0	100.0	8.0	221.0	-50.0
779	97	14	90.0	96.0	21.0	-0.3	-110.0	-20.0	-1.1	890.0	110.0	7.0	227.0	-50.0
780	97	15	32.0	92.0	14.0	0.6	-110.0	-18.0	-1.0	810.0	110.0	6.0	195.0	-50.0
781	97	17	-2.0	68.0	-0.5	0.1	240.0	-5.0	1.0	140.0	73.0	-1.0	3.0	-50.0
782	98	1	67.0	122.0	22.0	0.5	-130.0	-23.0	-1.2	910.0	130.0	9.0	240.0	-50.0
783	98	2	92.0	94.0	20.0	0.5	-110.0	-21.0	-1.1	850.0	110.0	8.0	214.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
784	98	3	130.0	87.0	19.0	-0.3	-110.0	-20.0	-1.1	860.0	110.0	7.0	204.0	-50.0
785	98	4	-21.0	101.0	15.0	0.5	-120.0	-20.0	-1.2	900.0	110.0	6.0	154.0	-50.0
786	98	5	39.0	82.0	18.0	0.7	-120.0	-22.0	-1.2	900.0	110.0	8.0	215.0	-50.0
787	98	6	73.0	78.0	27.0	0.4	-110.0	-20.0	-1.1	850.0	100.0	6.0	196.0	-50.0
788	98	7	42.0	102.0	14.0	0.6	-120.0	-21.0	-1.1	870.0	130.0	8.0	209.0	-50.0
789	98	8	190.0	122.0	21.0	0.5	-140.0	-23.0	-1.4	1100.0	140.0	4.0	221.0	-50.0
790	98	9	425.0	94.0	20.0	-0.3	-130.0	-21.0	-1.2	990.0	100.0	8.0	229.0	-50.0
791	98	10	29.0	89.0	17.0	0.4	-100.0	-15.0	-1.0	960.0	93.0	4.0	165.0	-100.0
792	98	11	511.0	90.0	18.0	0.4	-110.0	-17.0	-1.0	910.0	110.0	6.0	211.0	-100.0
793	98	12	335.0	90.0	13.0	-0.2	-120.0	-17.0	-1.0	1100.0	110.0	5.0	220.0	-100.0
794	98	13	8.0	26.0	0.7	0.1	250.0	-5.0	2.5	130.0	11.0	-1.0	4.0	-50.0
795	99	1	25.0	28.0	18.0	0.4	-130.0	-19.0	-2.0	1200.0	61.0	10.0	199.0	-100.0
796	99	2	279.0	30.0	-4.0	-0.2	-120.0	-18.0	-1.0	1200.0	59.0	8.0	149.0	-100.0
797	99	3	89.0	104.0	15.0	0.6	-120.0	-17.0	-1.0	930.0	130.0	8.0	220.0	-100.0
798	99	4	540.0	165.0	30.0	0.5	-130.0	-18.0	-1.0	900.0	120.0	6.0	267.0	-100.0
799	99	5	3.0	46.0	1.0	-0.1	320.0	-5.0	2.9	270.0	48.0	-1.0	3.0	-50.0
800	100	1	623.0	18.0	4.0	0.4	-120.0	-18.0	-1.0	920.0	65.0	9.0	283.0	-100.0
801	100	2	96.0	36.0	6.0	1.2	-120.0	-18.0	-1.0	980.0	70.0	5.0	299.0	-100.0
802	100	3	45.0	94.0	17.0	0.5	-120.0	-18.0	-1.0	980.0	140.0	7.0	271.0	-100.0
803	100	4	57.0	111.0	17.0	0.4	-130.0	-18.0	-1.0	940.0	130.0	4.0	263.0	-100.0
804	100	5	76.0	100.0	19.0	1.3	-120.0	-17.0	-1.0	940.0	130.0	6.0	248.0	-100.0
805	100	6	110.0	132.0	18.0	0.4	-120.0	-17.0	-1.0	870.0	140.0	8.0	228.0	-100.0
806	100	7	110.0	104.0	15.0	-0.2	-140.0	-20.0	-2.0	930.0	150.0	8.0	242.0	-100.0
807	100	8	234.0	122.0	14.0	0.4	180.0	-18.0	-1.0	910.0	140.0	7.0	234.0	-100.0
808	100	9	86.0	158.0	17.0	0.5	-130.0	-18.0	-1.0	950.0	120.0	8.0	327.0	-100.0
809	100	10	66.0	195.0	29.0	0.5	-130.0	-19.0	-2.0	870.0	220.0	7.0	244.0	-100.0
810	100	11	140.0	170.0	28.0	0.5	-120.0	-18.0	-1.0	880.0	220.0	6.0	246.0	-100.0
811	100	12	206.0	136.0	25.0	0.4	-120.0	-18.0	-1.0	850.0	180.0	6.0	230.0	-100.0
812	100	13	233.0	118.0	17.0	0.6	-100.0	-15.0	-1.0	690.0	140.0	5.0	205.0	-100.0
813	100	14	40.0	96.0	13.0	0.6	-100.0	-14.0	-1.0	730.0	130.0	6.0	183.0	-100.0
814	100	15	77.0	98.0	20.0	0.5	-110.0	-16.0	-1.0	860.0	140.0	5.0	187.0	-100.0
815	100	16	160.0	134.0	16.0	0.8	-110.0	-17.0	-1.0	870.0	170.0	9.0	175.0	-100.0
816	100	17	82.0	54.0	10.0	-0.2	-110.0	-16.0	-1.0	910.0	88.0	8.0	173.0	-100.0
817	100	18	37.0	66.0	21.0	0.5	200.0	-16.0	-1.0	890.0	99.0	7.0	179.0	-100.0
818	100	19	-2.0	50.0	-0.5	0.1	150.0	-5.0	2.3	260.0	75.0	1.0	3.0	-50.0
819	101	1	23.0	64.0	29.0	-0.2	-120.0	-19.0	-1.0	1200.0	75.0	6.0	125.0	-100.0
820	101	2	42.0	110.0	15.0	0.4	-120.0	-17.0	-1.0	870.0	130.0	10.0	186.0	-100.0
821	101	3	46.0	104.0	17.0	0.4	200.0	-19.0	-1.0	870.0	120.0	11.0	207.0	-100.0
822	101	4	490.0	74.0	13.0	0.5	-120.0	-18.0	-1.0	860.0	110.0	9.0	183.0	-100.0
823	101	5	405.0	86.0	21.0	0.5	-120.0	-18.0	-1.0	870.0	130.0	9.0	196.0	-100.0
824	101	6	66.0	112.0	30.0	0.4	-120.0	-19.0	-1.0	890.0	140.0	8.0	207.0	-100.0
825	101	7	-12.0	155.0	18.0	0.3	-110.0	-16.0	-1.0	810.0	170.0	8.0	192.0	-100.0
826	101	8	345.0	102.0	17.0	0.5	-100.0	-15.0	-1.0	790.0	140.0	5.0	177.0	-100.0
827	101	9	44.0	154.0	16.0	0.5	-120.0	-18.0	-1.0	810.0	190.0	9.0	209.0	-100.0
828	101	10	-12.0	141.0	25.0	1.0	-110.0	-17.0	-1.0	920.0	190.0	8.0	196.0	-100.0
829	101	11	82.0	134.0	13.0	0.4	-100.0	20.0	-1.0	780.0	150.0	9.0	170.0	-100.0
830	101	12	85.0	94.0	20.0	0.7	-120.0	-18.0	-1.0	880.0	130.0	8.0	236.0	-100.0
831	101	13	50.0	84.0	16.0	0.4	-120.0	20.0	-1.0	890.0	120.0	8.0	255.0	-100.0
832	101	14	1039.0	88.0	21.0	0.3	-110.0	-17.0	-1.0	850.0	120.0	6.0	200.0	-100.0
833	101	15	140.0	84.0	32.0	0.6	-120.0	24.0	-1.0	940.0	110.0	9.0	209.0	-100.0
834	101	16	-2.0	7.0	1.6	0.1	1200.0	-5.0	3.6	84.0	10.0	-1.0	7.0	-50.0
835	102	1	33.0	34.0	7.0	0.5	-130.0	-22.0	-1.4	830.0	45.0	13.0	252.0	-50.0
836	102	2	130.0	18.0	-5.6	-0.2	-130.0	-22.0	-1.5	1100.0	45.0	9.0	283.0	-50.0
837	102	3	120.0	110.0	-4.9	0.4	-120.0	-19.0	-1.3	1000.0	210.0	8.0	226.0	-50.0
838	102	4	211.0	75.0	-4.9	0.4	230.0	-19.0	-1.2	910.0	77.0	8.0	212.0	-50.0
839	102	5	-13.0	262.0	20.0	0.4	-120.0	-19.0	-1.2	870.0	110.0	9.0	215.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
840	102	6	509.0	122.0	26.0	0.8	-110.0	-18.0	-1.1	860.0	140.0	9.0	190.0	-50.0
841	102	7	28.0	91.0	14.0	0.3	200.0	-19.0	-1.2	820.0	120.0	11.0	220.0	-50.0
842	102	8	92.0	148.0	34.0	0.5	-110.0	-19.0	-1.3	860.0	150.0	8.0	196.0	-50.0
843	102	9	90.0	167.0	41.0	0.5	-110.0	-18.0	-1.1	950.0	200.0	7.0	188.0	-50.0
844	102	10	27.0	151.0	40.0	0.5	-130.0	-22.0	-1.4	910.0	180.0	9.0	194.0	-50.0
845	102	11	90.0	140.0	41.0	0.5	-120.0	-20.0	-1.4	990.0	180.0	8.0	218.0	-50.0
846	102	12	272.0	132.0	42.0	0.8	-110.0	-18.0	-1.2	960.0	190.0	7.0	208.0	-50.0
847	102	13	87.0	146.0	41.0	0.4	-110.0	28.0	-1.2	930.0	170.0	7.0	179.0	-50.0
848	102	14	7.0	44.0	0.7	0.1	150.0	-5.0	-0.5	460.0	36.0	-1.0	4.0	-50.0
849	103	1	24.0	66.0	7.8	0.3	-110.0	-19.0	-1.2	850.0	97.0	7.0	241.0	-50.0
850	103	2	77.0	116.0	13.0	-0.2	-120.0	22.0	-1.3	970.0	130.0	9.0	271.0	-50.0
851	103	3	865.0	71.0	17.0	0.4	-120.0	-21.0	-1.3	1000.0	110.0	10.0	237.0	-50.0
852	103	4	380.0	74.0	24.0	0.6	-130.0	-23.0	-1.4	940.0	110.0	10.0	318.0	-50.0
853	103	5	63.0	77.0	19.0	0.4	-120.0	-21.0	-1.3	940.0	95.0	7.0	285.0	-50.0
854	103	6	42.0	70.0	12.0	-0.2	-130.0	-22.0	-1.4	820.0	130.0	9.0	299.0	-50.0
855	103	7	-13.0	71.0	8.3	-0.2	-120.0	24.0	-1.2	760.0	75.0	4.0	177.0	-50.0
856	103	8	40.0	89.0	14.0	0.6	-130.0	25.0	-1.3	770.0	81.0	7.0	353.0	-50.0
857	103	9	46.0	71.0	11.0	0.4	-100.0	-18.0	-1.1	810.0	76.0	7.0	245.0	-50.0
858	103	10	55.0	204.0	32.0	0.4	160.0	-18.0	-1.1	880.0	210.0	8.0	202.0	-50.0
859	103	11	180.0	207.0	37.0	0.4	-110.0	-18.0	-1.2	880.0	230.0	6.0	198.0	-50.0
860	103	12	42.0	224.0	28.0	0.5	-110.0	-18.0	-1.1	920.0	180.0	6.0	203.0	-50.0
861	103	13	47.0	141.0	35.0	0.5	-100.0	-18.0	-1.1	960.0	170.0	4.0	189.0	-50.0
862	103	14	-12.0	216.0	22.0	0.8	-110.0	-18.0	-1.2	880.0	320.0	7.0	180.0	-50.0
863	103	15	463.0	215.0	26.0	0.7	-110.0	-19.0	-1.2	870.0	210.0	6.0	205.0	-50.0
864	103	16	40.0	134.0	41.0	0.6	-110.0	-19.0	-1.2	930.0	190.0	9.0	209.0	-50.0
865	103	17	48.0	316.0	58.4	0.6	-110.0	-19.0	-1.2	860.0	360.0	8.0	182.0	-50.0
866	103	18	7.0	59.0	-0.5	0.1	150.0	-5.0	-0.5	280.0	63.0	2.0	3.0	-50.0
867	104	1	57.0	26.0	-5.6	0.5	-120.0	-20.0	-1.2	860.0	51.0	14.0	233.0	-50.0
868	104	2	214.0	96.0	14.0	0.4	-120.0	-20.0	1.6	940.0	120.0	9.0	291.0	-50.0
869	104	3	56.0	116.0	20.0	0.4	-120.0	-21.0	-1.3	1000.0	130.0	9.0	275.0	-50.0
870	104	4	-14.0	102.0	18.0	0.5	-120.0	-21.0	-1.3	900.0	130.0	7.0	284.0	-50.0
871	104	5	236.0	102.0	17.0	0.5	-120.0	-20.0	-1.2	940.0	120.0	8.0	309.0	-50.0
872	104	6	120.0	110.0	21.0	0.5	-110.0	-20.0	-1.2	880.0	130.0	8.0	269.0	-50.0
873	104	7	140.0	127.0	21.0	0.5	-110.0	-20.0	-1.2	850.0	120.0	6.0	265.0	-50.0
874	104	8	72.0	92.0	10.0	0.4	-100.0	-19.0	-1.1	780.0	98.0	7.0	255.0	-50.0
875	104	9	88.0	110.0	7.1	0.3	-100.0	-18.0	-1.1	740.0	93.0	5.0	174.0	-50.0
876	104	10	-15.0	34.0	-6.0	0.3	-120.0	-21.0	-1.2	800.0	68.0	8.0	319.0	-50.0
877	104	11	-13.0	30.0	-8.6	0.5	-110.0	-23.0	-1.1	780.0	40.0	6.0	130.0	-50.0
878	104	12	26.0	45.0	11.0	0.5	-110.0	-24.0	-1.2	870.0	59.0	8.0	169.0	-50.0
879	104	13	-16.0	152.0	41.0	0.7	-120.0	-25.0	-1.2	830.0	150.0	7.0	195.0	-50.0
880	104	14	74.0	135.0	28.0	0.7	-50.0	-24.0	-1.1	780.0	120.0	9.0	155.0	-50.0
881	104	15	1230.0	138.0	38.0	0.7	-110.0	-24.0	-1.1	820.0	150.0	7.0	182.0	-50.0
882	104	16	74.0	136.0	27.0	0.6	-130.0	-28.0	-1.3	910.0	460.0	6.0	187.0	-50.0
883	104	17	24.0	248.0	32.0	0.5	140.0	-24.0	-1.1	790.0	290.0	6.0	135.0	-50.0
884	104	18	1450.0	59.0	42.0	0.5	-140.0	-30.0	-1.4	1100.0	100.0	7.0	260.0	-50.0
885	104	19	-15.0	83.0	13.0	0.4	-100.0	-26.0	-1.2	860.0	76.0	10.0	242.0	-50.0
886	104	20	-2.0	37.0	-0.5	1.1	570.0	-5.0	3.7	440.0	38.0	-1.0	3.0	-50.0
887	105	1	974.0	62.0	-13.0	1.1	-160.0	-35.0	-1.6	1200.0	67.0	16.0	124.0	-50.0
888	105	2	-17.0	80.0	17.0	0.4	-100.0	-26.0	-1.2	910.0	78.0	9.0	258.0	-50.0
889	105	3	88.0	200.0	-9.9	0.5	-120.0	-26.0	-1.2	820.0	130.0	10.0	208.0	-50.0
890	105	4	200.0	154.0	25.0	0.6	-110.0	-25.0	-1.2	900.0	170.0	6.0	111.0	-50.0
891	105	5	53.0	132.0	29.0	0.6	-120.0	-27.0	-1.3	930.0	160.0	8.0	174.0	-50.0
892	105	6	93.0	145.0	33.0	0.4	-120.0	-27.0	-1.3	930.0	160.0	8.0	185.0	-50.0
893	105	7	120.0	164.0	38.0	0.6	-120.0	-26.0	-1.2	820.0	170.0	7.0	152.0	-50.0
894	105	8	28.0	212.0	40.0	0.5	-120.0	-26.0	-1.2	910.0	170.0	8.0	146.0	-50.0
895	105	9	8.0	130.0	-0.5	-0.1	140.0	-5.0	2.6	190.0	52.0	-1.0	3.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
896	106	1	56.0	17.0	-10.0	0.4	-120.0	-27.0	-1.2	860.0	59.0	10.0	227.0	-50.0
897	106	2	87.0	23.0	-11.0	0.3	-130.0	-30.0	-1.3	920.0	61.0	10.0	251.0	-50.0
898	106	3	-16.0	16.0	35.0	0.9	-120.0	-26.0	-1.2	700.0	35.0	7.0	233.0	-50.0
899	106	4	120.0	12.0	-11.0	0.9	-130.0	-30.0	-1.3	920.0	40.0	7.0	308.0	-50.0
900	106	5	110.0	24.0	-11.0	0.5	-130.0	-30.0	-1.4	990.0	47.0	10.0	289.0	-50.0
901	106	6	150.0	104.0	22.0	0.5	-170.0	-38.0	-1.6	1100.0	90.0	10.0	319.0	-50.0
902	106	7	96.0	72.0	-12.0	0.3	-120.0	-31.0	-1.4	950.0	94.0	9.0	324.0	-50.0
903	106	8	34.0	155.0	15.0	0.5	-140.0	-32.0	-1.4	880.0	61.0	6.0	302.0	-50.0
904	106	9	50.0	211.0	14.0	-0.3	-120.0	-28.0	-1.2	930.0	250.0	5.0	209.0	-50.0
905	106	10	367.0	144.0	19.0	0.8	-120.0	-28.0	1.6	1000.0	160.0	5.0	202.0	-50.0
906	106	11	-18.0	171.0	40.0	0.6	-120.0	-29.0	-1.3	1000.0	240.0	4.0	183.0	-50.0
907	106	12	88.0	184.0	52.3	0.4	-110.0	-26.0	-1.2	840.0	200.0	7.0	187.0	-50.0
908	106	13	48.0	155.0	98.7	0.7	-120.0	-28.0	-1.2	1000.0	260.0	7.0	180.0	-50.0
909	106	14	19.0	150.0	29.0	-0.1	-50.0	-21.0	-0.5	650.0	160.0	5.0	106.0	-50.0
910	106	15	49.0	164.0	50.5	0.9	-120.0	-28.0	1.4	1000.0	210.0	6.0	197.0	-50.0
911	106	16	160.0	168.0	43.0	0.6	-130.0	-29.0	-1.3	1000.0	210.0	6.0	221.0	-50.0
912	106	17	64.0	183.0	53.1	0.6	-130.0	44.0	-1.4	1000.0	240.0	6.0	225.0	-50.0
913	106	18	341.0	118.0	74.9	0.8	150.0	-28.0	-1.2	960.0	160.0	5.0	195.0	-50.0
914	107	1	-15.0	32.0	-10.0	0.4	-100.0	-27.0	-1.1	680.0	98.0	9.0	189.0	-50.0
915	107	2	110.0	11.0	-13.0	1.0	-140.0	-32.0	-1.4	1000.0	41.0	10.0	302.0	-50.0
916	107	3	110.0	11.0	-14.0	0.8	-150.0	-36.0	1.7	1100.0	42.0	11.0	311.0	-50.0
917	107	4	79.0	8.0	-12.0	0.3	-130.0	-29.0	-1.2	780.0	38.0	7.0	293.0	-50.0
918	107	5	36.0	67.0	-12.0	0.6	-120.0	-31.0	-1.4	950.0	69.0	11.0	262.0	-50.0
919	107	6	3280.0	45.0	14.0	0.5	-140.0	-21.0	-1.5	1000.0	82.0	8.0	281.0	-50.0
920	107	7	160.0	123.0	22.0	0.6	-140.0	-22.0	1.9	1100.0	120.0	8.0	357.0	-50.0
921	107	8	160.0	121.0	14.0	0.3	-130.0	-21.0	-1.4	950.0	130.0	6.0	307.0	-50.0
922	107	9	97.0	135.0	16.0	0.5	-140.0	-21.0	-1.5	1000.0	130.0	7.0	298.0	-50.0
923	107	10	180.0	113.0	24.0	0.7	-130.0	-20.0	-1.5	1200.0	140.0	9.0	306.0	-50.0
924	107	11	120.0	105.0	13.0	-0.2	-130.0	-20.0	-1.4	1100.0	120.0	7.0	352.0	-50.0
925	107	12	140.0	106.0	13.0	-0.2	-130.0	-21.0	1.6	1100.0	120.0	8.0	358.0	-50.0
926	107	13	130.0	97.0	18.0	0.4	-140.0	-21.0	-1.5	1100.0	130.0	7.0	393.0	-50.0
927	107	14	-14.0	68.0	14.0	0.4	-130.0	-20.0	2.2	1000.0	100.0	7.0	334.0	-50.0
928	107	15	-13.0	21.0	6.8	0.5	-120.0	-18.0	-1.3	970.0	41.0	10.0	273.0	-50.0
929	107	16	65.0	29.0	5.1	-0.2	-130.0	-20.0	-1.4	1000.0	57.0	9.0	271.0	-50.0
930	107	17	160.0	112.0	9.4	-0.2	-130.0	-20.0	-1.5	1100.0	100.0	9.0	96.0	-50.0
931	107	18	42.0	67.0	53.8	0.4	-130.0	-19.0	-1.4	810.0	100.0	7.0	107.0	-50.0
932	107	19	55.0	95.0	45.0	0.7	-120.0	-18.0	-1.2	870.0	110.0	7.0	163.0	-50.0
933	107	20	110.0	85.0	37.0	0.6	-50.0	-16.0	-1.1	800.0	120.0	7.0	134.0	-50.0
934	107	21	56.0	173.0	49.0	0.8	-120.0	-19.0	-1.3	970.0	240.0	9.0	197.0	-50.0
935	107	22	293.0	145.0	50.9	0.4	-120.0	-18.0	-1.3	930.0	170.0	8.0	178.0	-50.0
936	107	23	-2.0	41.0	-0.5	-0.1	690.0	-5.0	8.1	340.0	33.0	2.0	5.0	-50.0
937	108	1	286.0	282.0	-230.0	-1.0	-180.0	-130.0	-1.4	740.0	240.0	8.0	171.0	-50.0
938	108	2	-470.0	141.0	-0.1	-6.6	-740.0	****.*	-6.2	790.0	150.0	9.0	178.0	-290.0
939	108	3	50.0	71.0	7.3	0.3	-50.0	17.0	-1.1	790.0	86.0	3.0	187.0	-50.0
940	108	4	110.0	371.0	11.0	0.7	-110.0	-17.0	-1.2	850.0	250.0	6.0	207.0	-50.0
941	108	5	230.0	79.0	11.0	0.3	160.0	-17.0	-1.2	890.0	91.0	6.0	196.0	-50.0
942	108	6	140.0	163.0	11.0	0.7	-110.0	-18.0	1.3	960.0	120.0	8.0	213.0	-50.0
943	108	7	382.0	140.0	34.0	0.5	-120.0	-18.0	1.7	960.0	150.0	6.0	201.0	-50.0
944	108	8	60.0	142.0	51.3	0.5	-140.0	-23.0	-1.5	930.0	160.0	8.0	210.0	-50.0
945	108	9	69.0	81.0	11.0	0.6	-150.0	-25.0	-1.6	1100.0	79.0	10.0	211.0	-50.0
946	108	10	32.0	85.0	26.0	-0.1	-140.0	-23.0	-1.5	1000.0	84.0	7.0	229.0	-50.0
947	108	11	209.0	74.0	11.0	0.5	-150.0	-25.0	-1.6	1100.0	87.0	6.0	213.0	-50.0
948	108	12	229.0	91.0	32.0	0.4	190.0	-25.0	-1.7	1200.0	160.0	6.0	270.0	-50.0
949	108	13	-16.0	137.0	84.8	0.5	-150.0	-24.0	-1.6	990.0	160.0	7.0	186.0	-50.0
950	108	14	-2.0	51.0	-0.5	-0.1	760.0	-5.0	3.4	320.0	28.0	1.0	5.0	-50.0
951	109	1	47.0	137.0	30.0	0.6	-150.0	-24.0	-1.6	990.0	130.0	9.0	273.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
952	109	2	72.0	123.0	24.0	0.7	-150.0	-25.0	-1.6	1100.0	160.0	7.0	309.0	-50.0
953	109	3	190.0	75.0	18.0	0.4	-120.0	-23.0	-1.5	930.0	120.0	11.0	265.0	-50.0
954	109	4	303.0	50.0	18.0	0.5	-140.0	-23.0	-1.6	1000.0	120.0	8.0	281.0	-50.0
955	109	5	100.0	73.0	43.0	0.6	-120.0	-23.0	-1.5	1000.0	120.0	9.0	238.0	-50.0
956	109	6	48.0	52.0	12.0	0.6	-130.0	-22.0	-1.5	990.0	88.0	8.0	193.0	-50.0
957	109	7	219.0	45.0	-6.2	-0.2	-150.0	-24.0	-1.6	1000.0	97.0	11.0	179.0	-50.0
958	109	8	35.0	12.0	6.7	0.6	-140.0	-23.0	-1.5	980.0	37.0	10.0	225.0	-50.0
959	109	9	60.0	32.0	-6.1	0.4	-150.0	-24.0	-1.5	980.0	49.0	9.0	269.0	-50.0
960	109	10	95.0	53.0	-6.0	0.4	-140.0	-24.0	-1.6	920.0	51.0	8.0	250.0	-50.0
961	109	11	160.0	78.0	15.0	-0.2	-100.0	-28.0	-1.0	810.0	100.0	7.0	180.0	-50.0
962	109	12	-17.0	120.0	33.0	0.6	-100.0	-31.0	-1.0	940.0	150.0	9.0	224.0	-50.0
963	109	13	-17.0	114.0	46.0	0.5	-100.0	-29.0	-1.0	870.0	130.0	9.0	207.0	-50.0
964	109	14	54.0	110.0	30.0	0.7	-100.0	-30.0	-1.0	850.0	130.0	7.0	242.0	-50.0
965	109	15	110.0	150.0	33.0	0.4	-100.0	-29.0	-1.0	880.0	150.0	10.0	213.0	-50.0
966	109	16	33.0	171.0	20.0	0.4	-100.0	-28.0	-1.0	790.0	170.0	8.0	190.0	-50.0
967	109	17	61.0	95.0	95.0	0.8	-100.0	-31.0	-1.0	870.0	100.0	9.0	288.0	-50.0
968	109	18	56.0	92.0	142.0	1.0	280.0	-30.0	-1.0	920.0	110.0	7.0	260.0	-50.0
969	109	19	140.0	79.0	41.0	0.4	-100.0	-31.0	-1.0	940.0	98.0	6.0	263.0	-50.0
970	109	20	-2.0	48.0	0.9	-0.1	860.0	-5.0	5.2	410.0	34.0	1.0	4.0	-50.0
971	110	1	54.0	54.0	31.0	0.6	-100.0	-37.0	-1.0	1200.0	77.0	10.0	311.0	-100.0
972	110	2	47.0	79.0	16.0	0.5	-100.0	-33.0	-1.0	890.0	130.0	12.0	219.0	-50.0
973	110	3	2610.0	91.0	12.0	0.5	-100.0	-30.0	-1.0	990.0	100.0	11.0	120.0	-50.0
974	110	4	62.0	110.0	-10.0	-0.2	-100.0	-31.0	-1.0	1000.0	110.0	8.0	120.0	-50.0
975	110	5	709.0	162.0	13.0	0.5	-100.0	-31.0	-1.0	850.0	160.0	10.0	216.0	-50.0
976	110	6	30.0	119.0	17.0	0.8	-100.0	-31.0	-1.0	840.0	110.0	11.0	218.0	-50.0
977	110	7	75.0	9.0	-10.0	-0.2	-100.0	-31.0	-1.0	970.0	35.0	8.0	190.0	-50.0
978	110	8	63.0	35.0	-11.0	-0.2	-100.0	-33.0	-1.0	930.0	65.0	8.0	255.0	-50.0
979	110	9	390.0	60.0	-12.0	0.6	-100.0	-35.0	-1.0	1000.0	72.0	7.0	170.0	-100.0
980	110	10	652.0	114.0	-11.0	0.5	-100.0	-34.0	-1.0	850.0	88.0	5.0	203.0	-50.0
981	110	11	95.0	160.0	59.0	0.6	-100.0	-26.0	-1.0	700.0	180.0	6.0	120.0	-50.0
982	110	12	390.0	162.0	99.0	0.7	-100.0	-32.0	-1.0	900.0	130.0	8.0	160.0	-50.0
983	110	13	-2.0	35.0	-0.5	0.1	790.0	-5.0	3.2	420.0	31.0	2.0	5.0	-50.0
984	111	1	89.0	140.0	33.0	0.5	-100.0	-31.0	-1.0	810.0	150.0	10.0	221.0	-50.0
985	111	2	61.0	130.0	12.0	0.4	-100.0	-31.0	-1.0	780.0	140.0	12.0	229.0	-50.0
986	111	3	51.0	156.0	15.0	0.6	-100.0	-33.0	-1.0	910.0	150.0	9.0	257.0	-50.0
987	111	4	45.0	145.0	28.0	0.6	-100.0	-33.0	-1.0	920.0	170.0	9.0	269.0	-50.0
988	111	5	140.0	128.0	19.0	-0.2	180.0	-31.0	-1.0	860.0	140.0	10.0	190.0	-50.0
989	111	6	37.0	138.0	17.0	0.5	-100.0	-31.0	-1.0	870.0	130.0	9.0	258.0	-50.0
990	111	7	230.0	146.0	22.0	0.5	-100.0	-32.0	-1.0	870.0	150.0	9.0	252.0	-50.0
991	111	8	65.0	128.0	17.0	0.4	-100.0	-31.0	1.7	900.0	140.0	10.0	285.0	-50.0
992	111	9	41.0	189.0	28.0	0.6	-100.0	-31.0	-1.0	950.0	150.0	9.0	275.0	-50.0
993	111	10	48.0	173.0	17.0	0.5	-100.0	-32.0	-1.0	910.0	140.0	9.0	270.0	-50.0
994	111	11	44.0	106.0	23.0	0.9	-100.0	-32.0	-1.0	800.0	120.0	10.0	290.0	-50.0
995	111	12	6.0	30.0	1.1	-0.1	1100.0	-5.0	3.2	360.0	19.0	2.0	5.0	-50.0
996	112	1	190.0	187.0	22.0	0.6	-100.0	-34.0	-1.0	820.0	190.0	9.0	218.0	-50.0
997	112	2	57.0	157.0	16.0	-0.2	-100.0	-32.0	-1.0	840.0	170.0	9.0	266.0	-50.0
998	112	3	64.0	165.0	29.0	0.6	-100.0	-34.0	-1.0	860.0	200.0	8.0	242.0	-50.0
999	112	4	280.0	148.0	24.0	-0.2	-100.0	-32.0	-1.0	850.0	170.0	9.0	239.0	-50.0
1000	112	5	26.0	108.0	14.0	0.6	-100.0	-31.0	-1.0	900.0	120.0	9.0	214.0	-50.0
1001	112	6	-20.0	163.0	17.0	0.5	-100.0	-31.0	-1.0	800.0	130.0	9.0	300.0	-50.0
1002	112	7	-2.0	70.0	-0.5	-0.1	1300.0	-5.0	5.7	300.0	32.0	-1.0	4.0	-50.0
1003	113	1	260.0	13.0	-10.0	0.5	-100.0	-29.0	-1.0	750.0	38.0	7.0	239.0	-50.0
1004	113	2	120.0	39.0	-11.0	0.5	-100.0	-33.0	-1.0	800.0	52.0	9.0	235.0	-50.0
1005	113	3	66.0	20.0	-6.4	0.4	-140.0	-24.0	-1.5	800.0	32.0	7.0	201.0	-50.0
1006	113	4	375.0	70.0	-6.7	0.6	-150.0	-26.0	-1.6	950.0	71.0	8.0	175.0	-50.0
1007	113	5	92.0	64.0	9.5	0.5	-150.0	-25.0	-1.6	790.0	66.0	8.0	213.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
1008	113	6	49.0	178.0	22.0	0.6	-150.0	-25.0	-1.7	760.0	180.0	10.0	178.0	-50.0
1009	113	7	64.0	124.0	11.0	0.5	-150.0	-25.0	-1.6	780.0	130.0	11.0	263.0	-50.0
1010	113	8	40.0	119.0	11.0	0.4	-150.0	-26.0	-1.6	750.0	94.0	11.0	325.0	-50.0
1011	113	9	50.0	89.0	21.0	1.0	-140.0	-25.0	-1.5	750.0	90.0	10.0	299.0	-50.0
1012	113	10	78.0	135.0	20.0	0.4	-150.0	-26.0	-1.7	840.0	130.0	6.0	224.0	-50.0
1013	113	11	-16.0	132.0	27.0	0.5	-140.0	-25.0	-1.5	810.0	130.0	8.0	248.0	-50.0
1014	113	12	-18.0	119.0	84.0	1.0	-170.0	-30.0	-1.8	1100.0	150.0	9.0	225.0	-100.0
1015	113	13	-2.0	32.0	1.2	-0.1	880.0	-5.0	2.0	340.0	22.0	-1.0	5.0	-50.0
1016	114	1	100.0	159.0	31.0	0.3	-150.0	-28.0	-1.7	940.0	180.0	4.0	188.0	-50.0
1017	114	2	60.0	166.0	35.0	0.6	-150.0	-27.0	-1.6	810.0	170.0	6.0	184.0	-50.0
1018	114	3	25.0	177.0	37.0	0.5	-150.0	-26.0	-1.6	910.0	180.0	6.0	178.0	-50.0
1019	114	4	339.0	196.0	26.0	-0.3	-160.0	-27.0	-1.7	750.0	200.0	7.0	195.0	-50.0
1020	114	5	130.0	181.0	34.0	1.2	-160.0	-28.0	-1.8	820.0	180.0	6.0	199.0	-50.0
1021	114	6	28.0	239.0	14.0	-0.2	-150.0	-26.0	-1.7	700.0	190.0	6.0	171.0	-50.0
1022	114	7	550.0	308.0	19.0	0.7	-160.0	-27.0	-1.7	710.0	330.0	7.0	174.0	-50.0
1023	114	8	33.0	136.0	21.0	0.4	-150.0	-27.0	-1.7	770.0	140.0	7.0	186.0	-50.0
1024	114	9	1490.0	35.0	9.3	0.9	-180.0	-30.0	-1.9	830.0	61.0	8.0	157.0	-110.0
1025	114	10	160.0	28.0	-8.6	0.5	-160.0	-31.0	-1.9	820.0	43.0	8.0	196.0	-110.0
1026	114	11	1390.0	34.0	-8.1	0.5	-170.0	-28.0	-1.8	850.0	57.0	8.0	159.0	-100.0
1027	114	12	1900.0	34.0	-9.0	0.7	-180.0	-32.0	2.5	910.0	65.0	8.0	145.0	-110.0
1028	114	13	347.0	45.0	-9.1	0.6	-180.0	-32.0	-2.0	910.0	53.0	8.0	143.0	-110.0
1029	114	14	3.0	36.0	1.1	0.1	620.0	-5.0	2.7	260.0	22.0	-1.0	3.0	-50.0
1030	114	15	-2.0	46.0	-0.5	-0.1	500.0	-5.0	3.4	280.0	26.0	2.0	4.0	-50.0
1031	115	1	150.0	168.0	31.0	0.5	-150.0	-26.0	-1.6	820.0	170.0	9.0	197.0	-50.0
1032	115	2	40.0	216.0	47.0	0.6	-150.0	28.0	-1.6	890.0	230.0	7.0	182.0	-50.0
1033	115	3	110.0	193.0	40.0	0.8	-140.0	-25.0	-1.5	790.0	230.0	8.0	161.0	-50.0
1034	115	4	120.0	134.0	27.0	0.5	-130.0	-27.0	-1.6	830.0	160.0	9.0	212.0	-50.0
1035	115	5	255.0	135.0	32.0	0.6	-130.0	-27.0	-1.6	930.0	150.0	7.0	209.0	-50.0
1036	115	6	30.0	124.0	22.0	0.4	-160.0	-29.0	-1.8	980.0	170.0	9.0	242.0	-100.0
1037	115	7	-24.0	154.0	27.0	0.8	-210.0	-37.0	-2.2	980.0	210.0	7.0	261.0	-120.0
1038	115	8	45.0	134.0	22.0	0.6	-150.0	-27.0	-1.5	850.0	150.0	8.0	245.0	-50.0
1039	115	9	43.0	128.0	22.0	0.4	-150.0	-27.0	-1.6	870.0	200.0	8.0	215.0	-50.0
1040	115	10	91.0	126.0	13.0	0.4	-160.0	-29.0	-1.7	860.0	170.0	7.0	241.0	-50.0
1041	115	11	639.0	152.0	34.0	0.6	-160.0	-29.0	-1.7	920.0	160.0	7.0	227.0	-50.0
1042	115	12	25.0	155.0	26.0	0.4	-140.0	-26.0	-1.6	860.0	160.0	7.0	168.0	-50.0
1043	115	13	-20.0	120.0	30.0	0.5	-170.0	-30.0	2.3	990.0	120.0	7.0	229.0	-50.0
1044	115	14	96.0	25.0	14.0	0.8	-220.0	-39.0	-2.3	1000.0	52.0	8.0	221.0	-130.0
1045	115	15	5360.0	198.0	16.0	0.5	-210.0	-37.0	-2.1	750.0	410.0	5.0	131.0	-130.0
1046	115	16	70.0	204.0	20.0	-0.4	-260.0	-45.0	-2.6	670.0	697.0	4.0	69.0	-160.0
1047	115	17	180.0	220.0	106.0	1.1	-170.0	-30.0	-1.7	770.0	180.0	4.0	151.0	-50.0
1048	115	18	-2.0	13.0	1.3	0.1	580.0	-5.0	0.9	300.0	17.0	-1.0	2.0	-50.0
1049	116	1	35.0	109.0	16.0	0.4	-120.0	-20.0	-1.4	660.0	110.0	7.0	223.0	-50.0
1050	116	2	44.0	106.0	17.0	0.4	-50.0	-13.0	-0.5	620.0	160.0	8.0	188.0	-50.0
1051	116	3	-11.0	191.0	40.0	0.4	-50.0	-16.0	-1.1	1100.0	200.0	10.0	241.0	-50.0
1052	116	4	53.0	145.0	19.0	0.4	-50.0	-16.0	-1.1	870.0	130.0	7.0	274.0	-50.0
1053	116	5	6.0	42.0	-0.5	-0.1	1300.0	-5.0	5.4	360.0	35.0	-1.0	6.0	-50.0
1054	117	1	398.0	206.0	38.0	0.7	-50.0	-16.0	-1.1	940.0	210.0	7.0	184.0	-50.0
1055	117	2	214.0	222.0	45.0	0.5	-120.0	-20.0	-1.4	930.0	210.0	7.0	192.0	-50.0
1056	117	3	36.0	175.0	27.0	0.6	-50.0	-14.0	-0.5	830.0	170.0	5.0	188.0	-50.0
1057	117	4	88.0	170.0	21.0	0.4	-50.0	-15.0	-0.5	820.0	160.0	7.0	167.0	-50.0
1058	117	5	-9.0	156.0	14.0	0.4	-50.0	-13.0	-0.5	800.0	140.0	6.0	192.0	-50.0
1059	117	6	-4.0	49.0	0.9	0.1	1300.0	-5.0	5.7	370.0	40.0	2.0	6.0	-50.0
1060	118	1	160.0	99.0	16.0	0.5	-50.0	-14.0	-0.5	750.0	120.0	8.0	265.0	-50.0
1061	118	2	209.0	113.0	15.0	0.4	-50.0	-13.0	-0.5	750.0	120.0	8.0	223.0	-50.0
1062	118	3	307.0	134.0	17.0	0.4	-50.0	-14.0	1.2	730.0	130.0	8.0	240.0	-50.0
1063	118	4	45.0	116.0	21.0	0.5	-50.0	-14.0	-0.5	800.0	130.0	10.0	267.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
1064	118	5	66.0	145.0	17.0	0.5	-50.0	-13.0	-0.5	780.0	120.0	9.0	273.0	-50.0
1065	118	6	15.0	155.0	25.0	0.7	-50.0	-15.0	-0.5	850.0	150.0	8.0	242.0	-50.0
1066	118	7	130.0	134.0	22.0	0.6	-50.0	-14.0	-0.5	820.0	130.0	7.0	281.0	-50.0
1067	118	8	-2.0	54.0	-0.5	-0.1	770.0	-5.0	6.4	280.0	26.0	1.0	4.0	-50.0
1068	119	1	16.0	110.0	17.0	0.5	-50.0	-13.0	-0.5	730.0	120.0	9.0	226.0	-50.0
1069	119	2	-2.0	48.0	1.1	0.1	590.0	-5.0	4.3	330.0	33.0	2.0	4.0	-50.0
1070	120	1	190.0	113.0	42.0	1.0	-50.0	-13.0	-0.5	700.0	120.0	6.0	241.0	-50.0
1071	120	2	-2.0	48.0	-0.5	-0.1	720.0	-5.0	3.4	280.0	33.0	2.0	4.0	-50.0
1072	121	1	180.0	187.0	18.0	0.4	130.0	-14.0	-0.5	740.0	150.0	8.0	222.0	-50.0
1073	121	2	-2.0	72.0	-0.5	-0.1	1400.0	-5.0	7.5	390.0	39.0	2.0	4.0	-50.0
1074	122	1	381.0	134.0	16.0	0.6	-50.0	-15.0	1.4	640.0	130.0	7.0	229.0	-50.0
1075	122	2	21.0	132.0	23.0	0.4	-50.0	-14.0	-0.5	630.0	120.0	7.0	219.0	-50.0
1076	122	3	24900.0	160.0	36.0	0.4	-50.0	-16.0	-1.0	760.0	180.0	7.0	206.0	-50.0
1077	122	4	120.0	184.0	29.0	0.4	-50.0	-14.0	-0.5	790.0	190.0	6.0	195.0	-50.0
1078	122	5	30.0	118.0	12.0	0.4	-50.0	-13.0	0.9	690.0	110.0	9.0	255.0	-50.0
1079	122	6	71.0	125.0	16.0	0.8	-50.0	-12.0	-0.5	800.0	120.0	6.0	98.0	-50.0
1080	122	7	48.0	81.0	14.0	0.5	-50.0	-14.0	-0.5	700.0	85.0	8.0	294.0	-50.0
1081	122	8	22.0	93.0	7.8	0.4	-50.0	-13.0	-0.5	800.0	90.0	9.0	122.0	-50.0
1082	122	9	47.0	110.0	17.0	0.4	-50.0	-13.0	-0.5	720.0	110.0	7.0	223.0	-50.0
1083	122	10	-2.0	43.0	1.4	0.2	780.0	-5.0	4.3	360.0	32.0	-1.0	5.0	-50.0
1084	123	1	200.0	97.0	11.0	0.4	-50.0	-13.0	-0.5	730.0	110.0	8.0	210.0	-50.0
1085	123	2	120.0	96.0	8.5	0.3	-50.0	-13.0	-0.5	790.0	98.0	10.0	160.0	-50.0
1086	123	3	39.0	96.0	14.0	0.5	-50.0	-12.0	-0.5	640.0	95.0	11.0	300.0	-50.0
1087	123	4	19.0	98.0	10.0	0.3	-50.0	-14.0	-0.5	600.0	85.0	9.0	293.0	-50.0
1088	123	5	39.0	86.0	16.0	0.5	-50.0	-17.0	-1.0	750.0	100.0	9.0	296.0	-50.0
1089	123	6	95.0	32.0	5.3	0.4	-50.0	-15.0	-0.5	840.0	43.0	7.0	156.0	-50.0
1090	123	7	-2.0	45.0	-0.5	-0.1	560.0	-5.0	2.3	230.0	22.0	2.0	4.0	-50.0
1091	124	1	47.0	7.0	-4.8	0.5	-100.0	-17.0	-1.0	660.0	30.0	9.0	360.0	-50.0
1092	124	2	14.0	19.0	-4.8	0.4	-50.0	-17.0	-1.1	840.0	28.0	7.0	293.0	-50.0
1093	124	3	218.0	13.0	-4.3	0.4	-50.0	-16.0	1.8	820.0	40.0	9.0	270.0	-50.0
1094	124	4	34.0	11.0	-4.7	0.3	-50.0	-17.0	1.1	740.0	34.0	8.0	347.0	-50.0
1095	124	5	-10.0	9.0	-4.6	0.5	-50.0	-17.0	-1.0	590.0	33.0	6.0	369.0	-50.0
1096	124	6	100.0	52.0	12.0	0.5	-50.0	-19.0	-1.1	790.0	73.0	9.0	357.0	-50.0
1097	124	7	-19.0	56.0	-8.9	-0.3	-170.0	-30.0	-1.7	680.0	57.0	8.0	331.0	-50.0
1098	124	8	130.0	61.0	-8.0	0.4	-150.0	-27.0	-1.6	700.0	63.0	8.0	334.0	-50.0
1099	124	9	64.0	22.0	-8.1	0.4	-150.0	-28.0	-1.6	740.0	54.0	8.0	330.0	-50.0
1100	124	10	-19.0	69.0	-8.7	0.4	-160.0	-29.0	-1.7	750.0	69.0	7.0	362.0	-50.0
1101	124	11	58.0	70.0	9.3	0.4	-150.0	-27.0	1.7	710.0	77.0	8.0	397.0	-50.0
1102	124	12	93.0	51.0	11.0	-0.2	-140.0	-26.0	-1.4	690.0	63.0	9.0	357.0	-50.0
1103	124	13	52.0	65.0	19.0	0.6	-140.0	-25.0	-1.5	670.0	66.0	9.0	324.0	-50.0
1104	124	14	95.0	97.0	12.0	0.5	-150.0	-28.0	-1.6	820.0	88.0	7.0	325.0	-50.0
1105	124	15	31.0	64.0	-9.1	0.4	-170.0	-31.0	-1.8	780.0	90.0	9.0	228.0	-100.0
1106	124	16	997.0	99.0	30.0	0.8	-180.0	-33.0	-1.9	860.0	110.0	7.0	246.0	-110.0
1107	124	17	7.0	25.0	-0.5	-0.1	650.0	-5.0	0.7	400.0	25.0	-1.0	5.0	-50.0
1108	125	1	2210.0	113.0	23.0	0.7	-160.0	-31.0	2.3	870.0	120.0	10.0	275.0	-50.0
1109	125A	1	343.0	98.0	-10.0	0.3	-180.0	-34.0	-1.9	870.0	89.0	8.0	213.0	-110.0
1110	125A	2	929.0	9.0	-9.8	0.5	-170.0	-33.0	-1.9	1000.0	30.0	5.0	182.0	-110.0
1111	125A	3	140.0	9.0	-9.5	0.4	-170.0	-31.0	-1.9	1000.0	36.0	6.0	153.0	-100.0
1112	126	1	130.0	133.0	17.0	0.6	-160.0	-28.0	-1.7	860.0	140.0	7.0	209.0	-50.0
1113	126	2	82.0	141.0	27.0	0.5	-150.0	-26.0	-1.6	850.0	140.0	7.0	208.0	-50.0
1114	126	3	-18.0	190.0	17.0	-0.3	-170.0	-33.0	-1.9	970.0	160.0	7.0	221.0	-100.0
1115	126	4	100.0	132.0	21.0	0.4	-160.0	-29.0	-1.6	740.0	130.0	6.0	234.0	-50.0
1116	126	5	97.0	500.0	55.4	0.6	-170.0	-32.0	-1.8	660.0	290.0	8.0	146.0	-100.0
1117	126	6	5.0	36.0	1.6	0.1	640.0	-5.0	1.8	360.0	22.0	-1.0	4.0	-50.0
1118	127	1	50.0	37.0	-8.6	0.4	-150.0	-28.0	-1.6	740.0	54.0	7.0	218.0	-50.0
1119	127	2	100.0	16.0	-8.9	-0.3	-150.0	-29.0	-1.6	860.0	39.0	7.0	278.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
1120	127	3	38.0	13.0	-8.6	-0.3	-150.0	-28.0	-1.5	790.0	44.0	8.0	233.0	-50.0
1121	127	4	46.0	106.0	11.0	0.4	-140.0	-27.0	1.9	690.0	94.0	8.0	229.0	-50.0
1122	127	5	110.0	115.0	22.0	0.4	-150.0	-28.0	-1.6	810.0	94.0	5.0	209.0	-50.0
1123	127	6	31.0	108.0	26.0	0.5	-150.0	-29.0	-1.6	820.0	100.0	6.0	217.0	-50.0
1124	127	7	84.0	157.0	19.0	0.6	-150.0	-29.0	-1.6	810.0	120.0	9.0	226.0	-50.0
1125	127	8	51.0	98.0	10.0	-0.2	-140.0	-26.0	-1.5	720.0	83.0	9.0	244.0	-50.0
1126	127	9	190.0	128.0	13.0	0.9	-150.0	-30.0	-1.6	880.0	110.0	8.0	235.0	-50.0
1127	127	10	-18.0	118.0	-8.8	0.4	-150.0	-28.0	-1.5	810.0	94.0	7.0	228.0	-50.0
1128	127	11	89.0	111.0	-9.9	0.4	-160.0	-32.0	-1.7	770.0	89.0	9.0	246.0	-50.0
1129	127	12	25.0	123.0	15.0	-0.2	-150.0	-29.0	-1.6	860.0	100.0	7.0	236.0	-50.0
1130	127	13	-16.0	109.0	20.0	-0.2	-150.0	-29.0	-1.5	810.0	100.0	7.0	234.0	-50.0
1131	127	14	-20.0	111.0	14.0	0.5	-150.0	-31.0	1.9	860.0	110.0	6.0	262.0	-50.0
1132	127	15	-18.0	139.0	26.0	0.5	-130.0	-29.0	-1.6	820.0	130.0	7.0	167.0	-50.0
1133	127	16	150.0	130.0	22.0	1.1	-160.0	-32.0	-1.7	940.0	140.0	4.0	214.0	-50.0
1134	127	17	-17.0	136.0	17.0	-0.3	-150.0	-30.0	-1.6	840.0	140.0	7.0	201.0	-50.0
1135	127	18	274.0	171.0	22.0	0.5	-150.0	-29.0	-1.7	780.0	160.0	8.0	186.0	-50.0
1136	127	19	39.0	218.0	30.0	0.7	-160.0	-30.0	-1.6	770.0	220.0	7.0	175.0	-50.0
1137	127	20	110.0	140.0	38.0	0.6	-160.0	-31.0	-1.7	590.0	150.0	7.0	150.0	-50.0
1138	127	21	-2.0	21.0	2.6	0.2	580.0	-5.0	1.7	160.0	13.0	-1.0	4.0	-50.0
1139	128	1	485.0	185.0	23.0	-0.3	-180.0	-36.0	-1.9	740.0	180.0	9.0	190.0	-110.0
1140	128	2	56.0	148.0	17.0	0.4	-150.0	-28.0	-1.6	750.0	120.0	8.0	189.0	-50.0
1141	128	3	91.0	134.0	12.0	0.4	-120.0	-28.0	-1.5	680.0	120.0	7.0	204.0	-50.0
1142	128	4	345.0	108.0	15.0	-0.3	-150.0	-29.0	-1.6	750.0	110.0	7.0	257.0	-50.0
1143	128	5	-16.0	141.0	-8.5	0.4	-130.0	-26.0	-1.4	700.0	100.0	8.0	185.0	-50.0
1144	128	6	23.0	186.0	19.0	0.6	-130.0	-26.0	-1.4	750.0	140.0	7.0	209.0	-50.0
1145	128	7	-17.0	167.0	16.0	-0.2	-120.0	-27.0	-1.4	720.0	130.0	8.0	221.0	-50.0
1146	128	8	-15.0	119.0	11.0	0.6	-140.0	-27.0	-1.4	780.0	93.0	8.0	226.0	-50.0
1147	128	9	52.0	108.0	13.0	0.4	-130.0	-27.0	-1.4	690.0	99.0	8.0	219.0	-50.0
1148	128	10	75.0	149.0	24.0	0.6	-130.0	-26.0	-1.4	690.0	130.0	7.0	170.0	-50.0
1149	128	11	33.0	106.0	26.0	0.4	-140.0	-28.0	-1.5	870.0	130.0	9.0	190.0	-50.0
1150	128	12	120.0	97.0	47.0	0.6	-130.0	-27.0	-1.4	790.0	120.0	6.0	215.0	-50.0
1151	128	13	35.0	122.0	27.0	0.8	-130.0	-27.0	-1.4	790.0	140.0	7.0	185.0	-50.0
1152	128	14	110.0	35.0	-9.3	0.3	-120.0	-28.0	-1.5	860.0	44.0	9.0	270.0	-50.0
1153	128	15	33.0	51.0	12.0	-0.3	-160.0	-32.0	-1.7	860.0	65.0	9.0	272.0	-50.0
1154	128	16	71.0	197.0	36.0	0.4	-110.0	-27.0	-1.4	690.0	180.0	8.0	189.0	-50.0
1155	128	17	-2.0	33.0	6.8	0.1	770.0	-5.0	3.0	370.0	27.0	-1.0	4.0	-50.0
1156	129	1	100.0	140.0	14.0	-0.2	-140.0	-29.0	-1.5	780.0	130.0	6.0	213.0	-50.0
1157	129	2	214.0	210.0	14.0	-0.3	-130.0	-27.0	-1.4	690.0	170.0	9.0	190.0	-50.0
1158	129	3	120.0	94.0	36.0	0.6	-140.0	-28.0	-1.4	890.0	120.0	7.0	218.0	-50.0
1159	129	4	439.0	93.0	25.0	0.5	-140.0	-29.0	-1.5	850.0	100.0	7.0	182.0	-50.0
1160	129	5	160.0	79.0	28.0	-0.3	-160.0	-33.0	-1.7	830.0	87.0	5.0	254.0	-50.0
1161	129	6	47.0	87.0	12.0	1.1	-170.0	-34.0	-1.7	900.0	100.0	7.0	248.0	-50.0
1162	129	7	52.0	92.0	18.0	0.4	-150.0	-31.0	-1.6	860.0	120.0	6.0	227.0	-50.0
1163	129	8	270.0	52.0	14.0	0.7	-140.0	-29.0	-1.5	850.0	51.0	7.0	170.0	-50.0
1164	129	9	57.0	75.0	21.0	0.4	-120.0	-25.0	-1.3	750.0	75.0	6.0	122.0	-50.0
1165	129	10	284.0	154.0	154.0	0.9	-170.0	-33.0	2.3	850.0	200.0	7.0	202.0	-50.0
1166	129	11	6.0	30.0	2.9	0.2	590.0	-5.0	2.4	340.0	26.0	-1.0	4.0	-50.0
1167	130	1	594.0	173.0	19.0	0.4	-150.0	-30.0	-1.6	920.0	180.0	9.0	166.0	-50.0
1168	130	2	-19.0	149.0	15.0	0.5	-140.0	-30.0	-1.5	820.0	130.0	9.0	217.0	-50.0
1169	130	3	534.0	149.0	16.0	-0.3	-150.0	-31.0	-1.5	810.0	120.0	8.0	238.0	-50.0
1170	130	4	43.0	133.0	12.0	-0.3	-140.0	-29.0	-1.5	760.0	120.0	8.0	219.0	-50.0
1171	130	5	52.0	99.0	26.0	-0.3	-170.0	-36.0	-1.8	850.0	110.0	5.0	247.0	-100.0
1172	130	6	-17.0	82.0	12.0	0.8	-140.0	-29.0	-1.5	670.0	71.0	9.0	230.0	-50.0
1173	130	7	53.0	56.0	-10.0	1.1	-140.0	-29.0	-1.5	740.0	65.0	9.0	265.0	-50.0
1174	130	8	54.0	73.0	17.0	0.4	-130.0	-27.0	-1.4	730.0	56.0	6.0	207.0	-50.0
1175	130	9	110.0	190.0	49.0	0.7	200.0	-30.0	-1.5	740.0	140.0	7.0	196.0	-50.0

Recor	Hole	Samp	Au	Cu	As	Sb	Ba	Cd	Cs	Cr	Co	Eu	Hf	Ir
1176	130	10	94.0	188.0	77.4	0.5	-140.0	-29.0	-1.5	770.0	200.0	7.0	198.0	-50.0
1177	130	11	-2.0	43.0	0.9	-0.1	680.0	-5.0	2.0	240.0	30.0	-1.0	4.0	-50.0
1178	131	1	537.0	9.0	-12.0	-0.3	-160.0	-33.0	-1.7	950.0	40.0	9.0	188.0	-50.0
1179	131	2	-21.0	38.0	-12.0	0.7	-170.0	-34.0	-1.7	790.0	65.0	13.0	228.0	-50.0
1180	131	3	61.0	68.0	-12.0	0.3	-170.0	-35.0	-1.7	840.0	63.0	12.0	251.0	-50.0
1181	131	4	58.0	132.0	-13.0	0.6	-170.0	-38.0	-1.8	620.0	57.0	10.0	180.0	-100.0
1182	131	5	50.0	42.0	-10.0	0.6	-120.0	-30.0	-1.4	700.0	47.0	8.0	212.0	-50.0
1183	131	6	-40.0	37.0	-22.0	-0.6	-300.0	-65.0	-3.8	780.0	65.0	9.0	246.0	-180.0
1184	131	7	-19.0	78.0	62.0	1.0	-160.0	-34.0	-1.6	900.0	110.0	7.0	339.0	-50.0
1185	131	8	-2.0	100.0	-0.5	-0.1	280.0	-5.0	2.4	210.0	54.0	-1.0	2.0	-50.0
1186	131	9	-5.0	46.0	-0.5	-0.1	240.0	-5.0	3.0	240.0	140.0	-1.0	5.0	-50.0
1187	132	1	27.0	21.0	-9.1	0.4	-120.0	-26.0	1.4	890.0	39.0	12.0	235.0	-50.0
1188	132	2	378.0	85.0	-8.4	0.5	-110.0	-24.0	-1.1	870.0	71.0	9.0	257.0	-50.0
1189	132	3	160.0	72.0	-12.0	-0.3	-150.0	-32.0	-1.6	810.0	66.0	9.0	270.0	-50.0
1190	132	4	66.0	91.0	-12.0	-0.3	-150.0	-33.0	-1.6	810.0	91.0	9.0	257.0	-50.0
1191	132	5	1420.0	76.0	15.0	0.4	-140.0	-33.0	-1.6	830.0	81.0	10.0	259.0	-50.0
1192	132	6	39.0	82.0	13.0	0.5	-150.0	-33.0	-1.6	920.0	65.0	10.0	249.0	-50.0
1193	132	7	59.0	66.0	-12.0	-0.3	-150.0	-32.0	-1.6	780.0	76.0	9.0	216.0	-50.0
1194	132	8	-2.0	42.0	-0.5	-0.1	160.0	-5.0	1.2	140.0	34.0	1.0	5.0	-50.0
1195	132	9	-2.0	53.0	1.0	-0.1	110.0	-5.0	1.4	110.0	62.0	-1.0	6.0	-50.0
1196	133	1	120.0	94.0	10.0	0.5	-50.0	-20.0	-0.5	780.0	110.0	14.0	211.0	-50.0
1197	133	2	-2.0	70.0	-0.5	-0.1	-50.0	-5.0	0.9	270.0	49.0	-1.0	4.0	-50.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
1	1	1	16.0	291.0	-1.0	-20.0	10.0	68.0	-16.0	-2.0	31.0	7.4	137.0	30.0
2	1	2	18.0	311.0	3.0	41.0	12.0	78.6	-5.0	-2.0	18.0	7.3	140.0	23.0
3	1	3	20.4	333.0	3.0	76.0	10.0	85.3	-13.0	-2.0	23.0	8.0	141.0	17.0
4	1	4	20.0	302.0	5.0	42.0	7.0	82.0	-5.0	-2.0	18.0	7.3	120.0	11.0
5	1	5	21.2	253.0	10.0	160.0	13.0	77.9	-5.0	-2.0	15.0	6.1	94.9	8.0
6	1	6	22.6	310.0	19.0	95.0	12.0	74.9	-5.0	-2.0	15.0	6.6	144.0	12.0
7	1	7	21.2	342.0	8.0	67.0	-5.0	80.0	-5.0	-2.0	15.0	7.5	153.0	7.0
8	1	8	21.5	384.0	6.0	160.0	15.0	82.1	-5.0	-2.0	17.0	8.1	181.0	-4.0
9	1	9	20.0	294.0	10.0	110.0	-5.0	76.2	-5.0	-2.0	14.0	6.5	123.0	10.0
10	1	10	4.6	22.0	1.0	70.0	99.0	13.0	-5.0	-2.0	0.8	-0.5	6.8	1.0
11	2	1	18.0	309.0	3.0	34.0	8.0	79.2	-5.0	-2.0	20.0	7.7	122.0	8.0
12	2	2	20.0	295.0	1.0	78.0	10.0	77.0	-10.0	-2.0	21.0	7.1	116.0	11.0
13	2	3	20.5	313.0	4.0	94.0	10.0	74.8	-10.0	-2.0	21.0	7.4	134.0	22.0
14	2	4	21.5	365.0	30.0	97.0	-5.0	73.2	-12.0	-2.0	24.0	7.3	167.0	22.0
15	2	5	17.0	260.0	7.0	63.0	-5.0	75.2	-5.0	-2.0	16.0	7.0	93.0	6.0
16	2	6	20.3	310.0	4.0	110.0	10.0	74.7	-12.0	-2.0	22.0	7.0	141.0	17.0
17	2	7	21.4	334.0	4.0	93.0	-5.0	76.7	-5.0	-2.0	15.0	7.0	147.0	6.0
18	2	8	28.0	399.0	6.0	140.0	15.0	82.3	-5.0	-2.0	15.0	8.3	195.0	-5.0
19	2	9	24.5	382.0	5.0	150.0	9.0	80.1	-10.0	-2.0	18.0	7.6	182.0	18.0
20	2	10	26.2	431.0	5.0	150.0	12.0	90.1	-11.0	-2.0	19.0	8.6	199.0	-5.0
21	2	11	4.6	29.0	3.0	83.0	97.0	14.0	-5.0	-2.0	0.6	0.5	6.1	1.0
22	3	1	20.0	388.0	1.0	-20.0	-5.0	73.8	-15.0	-2.0	29.0	9.4	201.0	65.0
23	3	2	20.8	408.0	4.0	-20.0	-5.0	81.9	-14.0	-2.0	26.0	9.3	197.0	24.0
24	3	3	20.0	381.0	4.0	24.0	13.0	79.2	-13.0	-2.0	24.0	9.0	178.0	15.0
25	3	4	22.3	352.0	5.0	110.0	13.0	76.4	-16.0	-2.0	29.0	7.8	156.0	17.0
26	3	5	20.0	316.0	3.0	64.0	-5.0	72.0	-10.0	-2.0	19.0	7.6	148.0	17.0
27	3	6	22.4	296.0	4.0	390.0	-5.0	62.0	-14.0	-2.0	25.0	7.1	151.0	18.0
28	3	7	21.5	295.0	6.0	210.0	15.0	74.0	-11.0	-2.0	20.0	7.4	120.0	16.0
29	3	8	4.7	30.0	2.0	70.0	110.0	15.0	-5.0	-2.0	0.7	0.6	7.9	2.0
30	4	1	25.5	443.0	7.0	140.0	9.0	75.0	-16.0	-2.0	29.0	8.2	235.0	42.0
31	4	2	22.2	682.0	2.0	63.0	-11.0	79.4	-25.0	-4.0	45.0	10.0	368.0	18.0
32	4	3	24.6	818.0	3.0	120.0	-12.0	79.1	-27.0	-5.0	48.0	12.0	441.0	23.0
33	4	4	20.5	731.0	2.0	45.0	19.0	77.0	-21.0	-4.0	37.0	11.0	427.0	24.0
34	4	5	5.3	30.0	1.0	99.0	100.0	16.0	-5.0	-2.0	0.6	0.6	7.1	4.0
35	5	1	22.8	340.0	5.0	100.0	-5.0	79.2	-11.0	-2.0	22.0	7.0	157.0	14.0
36	5	2	23.2	327.0	5.0	110.0	-5.0	76.0	-11.0	-2.0	19.0	6.8	155.0	55.0
37	5	3	20.2	342.0	4.0	85.0	-5.0	74.9	-15.0	-2.0	26.0	7.1	145.0	11.0
38	5	4	20.0	301.0	5.0	110.0	11.0	67.5	-5.0	-2.0	19.0	6.7	129.0	16.0
39	5	5	21.1	281.0	7.0	130.0	10.0	70.9	-14.0	-2.0	26.0	6.4	121.0	7.0
40	5	6	20.0	306.0	5.0	91.0	-5.0	80.2	-10.0	-2.0	19.0	7.9	117.0	10.0
41	5	7	5.0	22.0	2.0	72.0	110.0	16.0	-5.0	-2.0	0.7	-0.5	7.9	1.0
42	6	1	24.2	349.0	5.0	160.0	12.0	62.1	-11.0	-2.0	21.0	6.4	155.0	13.0
43	6	2	22.7	274.0	6.0	220.0	11.0	58.4	-10.0	-2.0	19.0	5.5	128.0	44.0
44	6	3	5.4	29.0	2.0	77.0	80.0	19.0	-5.0	-2.0	-0.5	0.6	7.2	-1.0
45	7	1	17.0	374.0	3.0	-20.0	15.0	74.5	-12.0	-2.0	24.0	7.9	151.0	18.0
46	7	2	19.0	416.0	2.0	24.0	-5.0	80.7	-5.0	-2.0	20.0	8.4	177.0	19.0
47	7	3	20.9	385.0	4.0	72.0	-5.0	76.6	-12.0	-2.0	24.0	8.3	171.0	20.0
48	7	4	20.1	336.0	3.0	96.0	12.0	68.6	-13.0	-2.0	21.0	6.7	149.0	8.0
49	7	5	23.4	369.0	4.0	160.0	-5.0	71.3	-13.0	-2.0	23.0	7.6	169.0	23.0
50	7	6	22.1	201.0	7.0	290.0	-5.0	57.9	-11.0	-2.0	20.0	5.0	91.3	45.0
51	7	7	21.7	275.0	9.0	170.0	8.0	62.3	-5.0	-2.0	14.0	6.0	112.0	20.0
52	7	8	4.6	30.0	2.0	65.0	97.0	14.0	-5.0	-2.0	0.5	0.6	6.9	2.0
53	8	1	18.0	379.0	3.0	88.0	10.0	78.4	-5.0	-2.0	18.0	8.4	164.0	7.0
54	8	2	19.0	332.0	3.0	280.0	-5.0	74.0	-5.0	-2.0	17.0	7.6	142.0	5.0
55	8	3	4.9	31.0	3.0	88.0	84.0	16.0	-5.0	-2.0	0.5	-0.5	9.4	1.0
56	9	1	20.6	328.0	2.0	90.0	9.0	72.9	-5.0	-2.0	18.0	7.1	139.0	12.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
57	9	2	21.5	355.0	-1.0	110.0	-5.0	77.0	-14.0	-2.0	26.0	7.6	147.0	36.0
58	9	3	19.0	341.0	4.0	79.0	7.0	73.0	-10.0	-2.0	19.0	7.1	140.0	173.0
59	9	4	19.0	322.0	2.0	78.0	-5.0	70.2	-5.0	-2.0	18.0	6.9	133.0	32.0
60	9	5	19.0	286.0	4.0	98.0	8.0	71.2	-5.0	-2.0	17.0	6.6	119.0	23.0
61	9	6	20.0	289.0	3.0	100.0	10.0	73.0	-5.0	-2.0	17.0	6.3	126.0	11.0
62	9	7	21.2	292.0	3.0	110.0	9.0	73.3	-5.0	-2.0	16.0	6.7	138.0	18.0
63	9	8	21.3	346.0	34.0	87.0	8.0	75.3	-11.0	-2.0	21.0	7.2	148.0	26.0
64	9	9	21.9	325.0	3.0	100.0	10.0	71.2	-5.0	-2.0	18.0	6.9	138.0	26.0
65	9	10	18.0	289.0	5.0	89.0	10.0	70.9	-22.0	-2.0	40.0	6.2	107.0	9.0
66	9	11	5.3	31.0	2.0	84.0	65.0	16.0	-5.0	-2.0	-0.5	0.5	7.5	-1.0
67	10	1	21.7	372.0	2.0	86.0	-5.0	75.4	-18.0	-2.0	34.0	8.1	175.0	8.0
68	10	2	22.9	393.0	1.0	120.0	-17.0	75.1	-22.0	-7.0	36.0	9.1	203.0	104.0
69	10	3	21.8	373.0	2.0	78.0	-15.0	76.3	-12.0	-6.0	18.0	8.3	179.0	17.0
70	10	4	22.5	437.0	2.0	77.0	-15.0	81.1	-15.0	-6.0	25.0	9.3	205.0	20.0
71	10	5	4.9	57.0	5.0	160.0	52.0	14.0	-5.0	-2.0	0.5	0.9	6.5	1.0
72	11	1	23.4	418.0	3.0	120.0	-15.0	77.6	-15.0	-6.0	23.0	8.4	209.0	10.0
73	11	2	5.4	33.0	2.0	96.0	110.0	17.0	-5.0	-2.0	0.7	0.6	7.6	1.0
74	12	1	24.5	374.0	3.0	70.0	-15.0	74.4	-23.0	-6.0	41.0	8.1	186.0	10.0
75	12	2	21.9	388.0	-2.0	140.0	-13.0	73.0	-14.0	-5.0	22.0	7.8	190.0	8.0
76	12	3	22.9	395.0	-1.0	98.0	-13.0	77.7	-15.0	-5.0	24.0	8.3	180.0	17.0
77	12	4	20.9	354.0	-1.0	80.0	19.0	79.4	-12.0	-5.0	19.0	7.7	157.0	15.0
78	12	5	23.5	430.0	-1.0	67.0	-15.0	84.8	-14.0	-6.0	21.0	9.4	212.0	15.0
79	12	6	23.9	471.0	3.0	110.0	-16.0	85.1	-16.0	-6.0	26.0	9.4	225.0	19.0
80	12	7	22.0	423.0	4.0	65.0	-15.0	87.7	-14.0	-6.0	22.0	8.7	189.0	-8.0
81	12	8	21.0	329.0	1.0	93.0	-12.0	77.6	-12.0	-5.0	19.0	7.4	138.0	10.0
82	12	9	25.2	617.0	-1.0	45.0	-23.0	85.2	-18.0	-6.0	36.0	10.0	323.0	-8.0
83	12	10	23.9	518.0	4.0	80.0	-14.0	87.1	-13.0	-6.0	21.0	10.0	254.0	9.0
84	12	11	17.0	470.0	2.0	74.0	16.0	70.5	-11.0	-5.0	16.0	9.0	210.0	10.0
85	12	12	27.0	751.0	-3.0	42.0	-19.0	91.2	-39.0	-7.0	78.4	12.0	421.0	23.0
86	12	13	24.3	761.0	-3.0	58.0	-18.0	94.5	-40.0	-7.0	73.9	13.0	419.0	15.0
87	12	14	25.9	818.0	-4.0	-39.0	-22.0	100.0	-64.0	-9.0	119.0	13.0	509.0	22.0
88	12	15	28.5	1260.0	-4.0	-41.0	-24.0	98.9	-35.0	-9.0	65.5	18.0	768.0	77.0
89	12	16	24.6	976.0	-4.0	-34.0	-20.0	88.1	-30.0	-8.0	55.3	15.0	601.0	123.0
90	12	17	24.0	820.0	24.0	60.0	26.0	101.0	-35.0	-8.0	67.9	14.0	466.0	20.0
91	12	18	24.6	513.0	-3.0	43.0	-15.0	103.0	-13.0	-6.0	19.0	9.1	274.0	-9.0
92	12	19	25.7	472.0	-3.0	76.0	-21.0	120.0	-19.0	-9.0	24.0	10.0	248.0	-14.0
93	12	20	4.8	21.0	1.0	44.0	70.0	15.0	-5.0	-2.0	-0.5	-0.5	3.2	-1.0
94	13	1	22.2	485.0	2.0	140.0	-16.0	88.9	-17.0	-6.0	27.0	10.0	258.0	23.0
95	13	2	23.8	456.0	3.0	110.0	-17.0	96.4	-17.0	-7.0	26.0	10.0	218.0	-10.0
96	13	3	23.8	403.0	1.0	140.0	22.0	88.0	-28.0	-7.0	49.0	10.0	192.0	36.0
97	13	4	4.7	31.0	3.0	79.0	87.0	16.0	-5.0	-2.0	0.6	-0.5	6.6	-1.0
98	14	1	23.5	480.0	-1.0	84.0	-15.0	90.1	-21.0	-6.0	36.0	10.0	236.0	14.0
99	14	2	22.3	455.0	-1.0	130.0	-15.0	89.1	-16.0	-6.0	26.0	10.0	216.0	11.0
100	14	3	4.9	30.0	3.0	71.0	75.0	14.0	-5.0	-2.0	0.6	0.7	7.3	2.0
101	15	1	24.9	382.0	-1.0	150.0	18.0	89.1	-13.0	-6.0	21.0	8.1	172.0	22.0
102	15	2	5.0	36.0	2.0	89.0	130.0	18.0	-5.0	-2.0	-0.5	0.9	7.3	2.0
103	16	1	21.5	433.0	-1.0	92.0	-13.0	90.9	-13.0	-5.0	25.0	9.4	193.0	-8.0
104	16	2	20.5	464.0	1.0	66.0	-14.0	93.6	-13.0	-6.0	22.0	10.0	205.0	-9.0
105	16	3	20.5	480.0	-1.0	80.0	-14.0	92.4	-13.0	-6.0	24.0	9.2	215.0	-9.0
106	16	4	24.7	489.0	-1.0	87.0	-16.0	97.1	-16.0	-6.0	25.0	10.0	220.0	10.0
107	16	5	21.6	412.0	-2.0	120.0	-13.0	88.3	-14.0	-5.0	27.0	8.4	190.0	33.0
108	16	6	23.0	597.0	-3.0	65.0	-14.0	100.0	-11.0	-6.0	19.0	10.0	240.0	21.0
109	16	7	3.8	24.0	1.0	74.0	80.0	11.0	-5.0	-2.0	-0.5	-0.5	6.9	-1.0
110	17	1	20.9	382.0	3.0	66.0	-15.0	99.4	-15.0	-7.0	22.0	9.1	163.0	13.0
111	17	2	21.6	343.0	-1.0	42.0	18.0	90.2	-13.0	-5.0	21.0	7.9	144.0	14.0
112	17	3	24.1	409.0	-1.0	29.0	-15.0	94.5	-16.0	-6.0	27.0	9.0	184.0	22.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
113	17	4	20.4	329.0	3.0	85.0	-13.0	71.0	-15.0	-5.0	24.0	8.0	168.0	15.0
114	17	5	20.0	288.0	1.0	62.0	-11.0	72.1	-11.0	-5.0	19.0	7.8	129.0	16.0
115	17	6	21.7	354.0	4.0	110.0	-15.0	75.2	-15.0	-6.0	22.0	8.5	165.0	43.0
116	17	7	19.0	340.0	3.0	87.0	-14.0	71.6	-21.0	-6.0	37.0	7.5	159.0	37.0
117	17	8	21.4	372.0	6.0	95.0	-14.0	79.7	-15.0	-6.0	24.0	8.4	164.0	38.0
118	17	9	20.0	332.0	3.0	78.0	-12.0	74.3	-13.0	-5.0	21.0	6.9	148.0	32.0
119	17	10	23.6	364.0	4.0	120.0	-15.0	88.7	-15.0	-6.0	23.0	8.2	163.0	32.0
120	17	11	23.4	416.0	7.0	110.0	-14.0	80.2	-16.0	-6.0	25.0	8.6	186.0	53.0
121	17	12	22.9	395.0	5.0	82.0	-14.0	81.7	-13.0	-6.0	19.0	8.1	172.0	35.0
122	17	13	21.7	393.0	8.0	73.0	-14.0	81.8	-14.0	-6.0	24.0	8.4	169.0	44.0
123	17	14	24.2	422.0	7.0	94.0	-13.0	80.3	-13.0	-5.0	20.0	7.2	198.0	24.0
124	17	15	27.3	240.0	3.0	160.0	14.0	63.1	-5.0	-5.0	10.0	5.1	107.0	27.0
125	17	16	26.7	363.0	6.0	130.0	-14.0	89.1	-13.0	-6.0	19.0	7.2	174.0	48.0
126	17	17	23.4	512.0	4.0	61.0	-17.0	91.3	-15.0	-7.0	24.0	9.2	254.0	54.0
127	17	18	24.2	501.0	2.0	92.0	-15.0	91.6	-16.0	-6.0	26.0	9.4	251.0	40.0
128	17	19	22.9	556.0	6.0	39.0	-20.0	91.8	-17.0	-8.0	24.0	9.1	264.0	21.0
129	17	20	21.7	465.0	2.0	160.0	-16.0	81.4	-12.0	-6.0	19.0	8.6	219.0	36.0
130	17	21	3.9	22.0	3.0	74.0	62.0	12.0	-5.0	-2.0	-0.5	0.5	6.6	1.0
131	18	1	26.3	421.0	8.0	160.0	-17.0	81.8	-20.0	-6.0	31.0	8.3	202.0	88.0
132	18	2	25.2	438.0	3.0	150.0	-18.0	92.8	-16.0	-7.0	26.0	10.0	201.0	155.0
133	18	3	22.8	470.0	2.0	88.0	19.0	86.1	-15.0	-6.0	23.0	9.4	217.0	21.0
134	18	4	22.7	886.0	-1.0	-35.0	-20.0	93.5	-23.0	-8.0	40.0	13.0	482.0	38.0
135	18	5	21.0	546.0	3.0	290.0	-18.0	70.2	-22.0	-7.0	39.0	9.1	317.0	118.0
136	18	6	4.4	49.0	2.0	45.0	88.0	13.0	-5.0	-2.0	0.5	-0.5	6.8	-1.0
137	19	1	24.9	443.0	-1.0	150.0	-19.0	80.8	-25.0	-8.0	40.0	9.0	220.0	38.0
138	19	2	24.4	436.0	2.0	150.0	-16.0	79.2	-20.0	-6.0	32.0	8.3	209.0	29.0
139	19	3	23.9	348.0	9.0	170.0	-15.0	77.7	-15.0	-6.0	23.0	7.2	152.0	41.0
140	19	4	20.6	558.0	2.0	-27.0	-15.0	92.8	-14.0	-6.0	22.0	10.0	267.0	30.0
141	19	5	20.5	458.0	3.0	37.0	-13.0	88.7	-12.0	-6.0	19.0	9.0	221.0	26.0
142	19	6	22.1	480.0	-1.0	77.0	-14.0	89.3	-14.0	-6.0	21.0	8.3	235.0	28.0
143	19	7	5.3	29.0	2.0	86.0	92.0	19.0	-5.0	-2.0	0.6	0.8	7.3	2.0
144	20	1	23.2	369.0	6.0	130.0	19.0	81.4	-13.0	-5.0	23.0	7.3	156.0	32.0
145	20	2	23.6	368.0	6.0	160.0	-14.0	83.6	-18.0	-6.0	31.0	8.6	153.0	37.0
146	20	3	22.1	366.0	7.0	45.0	-12.0	84.2	-13.0	-5.0	22.0	8.2	161.0	76.0
147	20	4	22.8	426.0	-1.0	59.0	-14.0	91.7	-15.0	-6.0	25.0	8.7	296.0	42.0
148	20	5	27.0	482.0	5.0	110.0	-14.0	95.4	-16.0	-6.0	29.0	9.0	228.0	44.0
149	20	6	21.3	411.0	-1.0	110.0	14.0	80.4	-15.0	-5.0	25.0	8.2	185.0	33.0
150	20	7	22.9	416.0	1.0	88.0	-13.0	81.3	-17.0	-5.0	31.0	8.3	191.0	26.0
151	20	8	20.7	362.0	5.0	80.0	19.0	78.6	-13.0	-6.0	21.0	8.1	158.0	34.0
152	20	9	21.3	413.0	-1.0	70.0	-14.0	88.9	-14.0	-6.0	24.0	8.3	172.0	35.0
153	20	10	19.0	334.0	5.0	46.0	-14.0	80.3	-14.0	-6.0	20.0	7.6	135.0	16.0
154	20	11	22.5	425.0	5.0	71.0	-15.0	84.7	-15.0	-6.0	25.0	8.2	193.0	67.0
155	20	12	21.5	587.0	4.0	33.0	19.0	93.8	-12.0	-6.0	16.0	10.0	291.0	-13.0
156	20	13	19.0	546.0	-1.0	42.0	-14.0	81.0	-13.0	-6.0	20.0	10.0	288.0	24.0
157	20	14	17.0	435.0	2.0	68.0	-12.0	79.1	-10.0	-5.0	13.0	9.3	183.0	14.0
158	20	15	20.8	495.0	-3.0	-27.0	-15.0	81.0	-12.0	-6.0	17.0	8.7	252.0	25.0
159	20	16	4.4	28.0	2.0	50.0	63.0	13.0	-5.0	-2.0	0.6	0.5	6.5	-1.0
160	21	1	16.0	438.0	2.0	33.0	-14.0	77.5	-14.0	-6.0	20.0	11.0	206.0	17.0
161	21	2	17.0	451.0	2.0	40.0	-13.0	81.2	-13.0	-5.0	22.0	10.0	210.0	23.0
162	21	3	18.0	378.0	4.0	100.0	-14.0	79.7	-13.0	-6.0	18.0	8.6	168.0	42.0
163	21	4	19.0	345.0	5.0	90.0	-14.0	84.2	-16.0	-6.0	25.0	8.0	138.0	44.0
164	21	5	20.0	363.0	6.0	72.0	18.0	84.5	-14.0	-6.0	24.0	8.1	156.0	46.0
165	21	6	19.0	346.0	5.0	92.0	-13.0	84.6	-12.0	-5.0	20.0	8.0	142.0	24.0
166	21	7	19.0	311.0	8.0	110.0	-17.0	80.5	-13.0	-7.0	18.0	7.4	131.0	36.0
167	21	8	17.0	283.0	3.0	44.0	-13.0	80.9	-11.0	-5.0	15.0	6.6	115.0	17.0
168	21	9	19.0	376.0	5.0	51.0	-13.0	82.1	-13.0	-5.0	21.0	8.1	159.0	30.0

Recor	Hole	Samp	FeX	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
169	21	10	20.0	377.0	4.0	67.0	-13.0	80.5	-13.0	-5.0	21.0	7.9	165.0	36.0
170	21	11	21.5	436.0	5.0	100.0	-15.0	85.0	-16.0	-6.0	27.0	9.5	202.0	27.0
171	21	12	23.7	503.0	6.0	65.0	-19.0	96.0	-19.0	-8.0	31.0	12.0	236.0	47.0
172	21	13	20.8	419.0	4.0	72.0	-15.0	85.8	-14.0	-6.0	22.0	9.0	176.0	89.0
173	21	14	20.3	617.0	6.0	-32.0	-18.0	95.2	-14.0	-7.0	17.0	11.0	282.0	33.0
174	21	15	24.8	766.0	2.0	-32.0	-18.0	102.0	-17.0	-7.0	31.0	12.0	393.0	53.0
175	21	16	20.2	1290.0	-4.0	-41.0	-25.0	88.0	-19.0	-9.0	23.0	23.0	784.0	32.0
176	21	17	22.3	658.0	3.0	-32.0	-18.0	113.0	-18.0	-7.0	30.0	12.0	336.0	29.0
177	21	18	5.1	150.0	2.0	57.0	34.0	14.0	-5.0	-2.0	-0.5	1.3	4.6	2.0
178	22	1	20.3	568.0	-1.0	49.0	-17.0	93.4	-15.0	-7.0	25.0	11.0	270.0	29.0
179	22	2	19.0	600.0	6.0	-32.0	-18.0	87.5	-17.0	-7.0	26.0	12.0	294.0	28.0
180	22	3	17.0	464.0	-1.0	48.0	22.0	71.7	-27.0	-7.0	45.0	9.2	240.0	25.0
181	22	4	18.0	364.0	5.0	70.0	-14.0	82.1	-13.0	-6.0	21.0	9.1	147.0	22.0
182	22	5	4.7	31.0	1.0	68.0	85.0	15.0	-5.0	-2.0	0.6	0.8	7.0	2.0
183	23	1	20.0	393.0	6.0	83.0	18.0	79.3	-15.0	-6.0	21.0	8.0	173.0	33.0
184	23	2	21.2	356.0	4.0	84.0	-13.0	83.4	-13.0	-6.0	21.0	7.7	157.0	34.0
185	23	3	23.0	355.0	7.0	160.0	-15.0	83.3	-15.0	-6.0	20.0	8.2	158.0	39.0
186	23	4	22.6	390.0	4.0	110.0	-15.0	82.8	-18.0	-6.0	30.0	8.1	175.0	45.0
187	23	5	22.5	330.0	5.0	130.0	-15.0	80.8	-16.0	-6.0	24.0	7.5	142.0	46.0
188	23	6	21.6	328.0	6.0	98.0	-14.0	83.9	-15.0	-6.0	24.0	7.5	132.0	31.0
189	23	7	24.5	361.0	5.0	120.0	-18.0	86.6	-35.0	-7.0	60.3	8.5	156.0	44.0
190	23	8	23.2	332.0	7.0	140.0	-16.0	84.7	-16.0	-6.0	25.0	6.9	141.0	42.0
191	23	9	24.9	343.0	11.0	150.0	-15.0	82.6	-17.0	-6.0	28.0	7.8	152.0	49.0
192	23	10	24.3	416.0	4.0	120.0	-16.0	88.9	-14.0	-6.0	21.0	8.4	196.0	34.0
193	23	11	25.7	513.0	4.0	120.0	-17.0	92.2	-13.0	-7.0	18.0	10.0	240.0	41.0
194	23	12	20.9	597.0	7.0	110.0	-17.0	75.8	-20.0	-6.0	32.0	10.0	257.0	41.0
195	23	13	5.5	33.0	2.0	80.0	68.0	17.0	-5.0	-2.0	-0.5	-0.5	6.5	2.0
196	24	1	20.7	261.0	3.0	46.0	-12.0	93.0	-5.0	-5.0	13.0	6.4	112.0	30.0
197	24	2	20.8	431.0	6.0	-31.0	-16.0	93.4	-17.0	-7.0	24.0	9.3	188.0	30.0
198	24	3	20.0	448.0	6.0	41.0	-14.0	91.4	-17.0	-6.0	28.0	9.1	194.0	32.0
199	24	4	22.7	475.0	4.0	47.0	-16.0	96.8	-16.0	-7.0	24.0	10.0	219.0	29.0
200	24	5	22.3	421.0	3.0	100.0	21.0	90.4	-15.0	-6.0	26.0	9.1	193.0	31.0
201	24	6	22.1	407.0	7.0	95.0	-22.0	82.6	-20.0	-9.0	28.0	10.0	217.0	43.0
202	24	7	21.1	405.0	2.0	120.0	-16.0	80.1	-16.0	-6.0	24.0	10.0	198.0	37.0
203	24	8	22.0	457.0	7.0	160.0	-16.0	80.4	-18.0	-6.0	29.0	10.0	236.0	47.0
204	24	9	22.7	466.0	7.0	88.0	-16.0	89.6	-20.0	-6.0	32.0	11.0	242.0	52.0
205	24	10	22.9	482.0	3.0	91.0	-15.0	92.4	-17.0	-6.0	26.0	11.0	232.0	52.0
206	24	11	21.6	461.0	5.0	110.0	-13.0	90.7	-16.0	-5.0	24.0	9.3	214.0	32.0
207	24	12	22.1	464.0	6.0	80.0	-13.0	90.2	-16.0	-5.0	27.0	10.0	215.0	37.0
208	24	13	23.3	520.0	6.0	71.0	17.0	96.4	-18.0	-6.0	27.0	11.0	243.0	70.0
209	24	14	23.8	452.0	10.0	110.0	-16.0	93.3	-19.0	-7.0	29.0	11.0	211.0	63.0
210	24	15	20.3	426.0	7.0	60.0	-14.0	92.6	-16.0	-6.0	24.0	9.1	182.0	26.0
211	24	16	20.7	715.0	9.0	62.0	-16.0	88.8	-15.0	-6.0	18.0	11.0	332.0	44.0
212	24	17	23.0	578.0	4.0	73.0	13.0	87.8	-14.0	-5.0	18.0	10.0	293.0	36.0
213	24	18	6.1	16.0	-1.0	380.0	84.0	24.4	-5.0	-2.0	-0.5	0.6	1.5	-1.0
214	25	1	21.0	501.0	3.0	51.0	-15.0	100.0	-20.0	-6.0	32.0	10.0	234.0	89.0
215	25	2	21.7	579.0	5.0	38.0	-14.0	102.0	-18.0	-6.0	30.0	11.0	292.0	56.0
216	25	3	22.1	461.0	7.0	83.0	25.0	94.2	-17.0	-5.0	28.0	10.0	213.0	27.0
217	25	4	21.5	423.0	4.0	120.0	-13.0	88.6	-15.0	-5.0	25.0	9.4	191.0	51.0
218	25	5	22.9	483.0	5.0	140.0	-14.0	90.2	-31.0	-6.0	52.3	10.0	232.0	38.0
219	25	6	22.2	463.0	6.0	120.0	15.0	87.5	-17.0	-5.0	27.0	8.7	218.0	27.0
220	25	7	24.6	499.0	3.0	130.0	-15.0	91.8	-19.0	-6.0	28.0	10.0	251.0	58.0
221	25	8	22.6	500.0	7.0	170.0	-15.0	87.0	-17.0	-6.0	25.0	9.3	242.0	46.0
222	25	9	22.2	421.0	5.0	130.0	-14.0	93.1	-15.0	-6.0	22.0	9.1	203.0	47.0
223	25	10	20.5	455.0	120.0	130.0	17.0	79.7	-33.0	-6.0	55.0	10.0	229.0	38.0
224	25	11	20.9	378.0	3.0	110.0	-12.0	84.6	-14.0	-5.0	22.0	7.4	188.0	26.0

Recor	Hole	Samp	FeX	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
225	25	12	21.8	381.0	3.0	170.0	-12.0	87.7	-12.0	-5.0	19.0	9.0	168.0	26.0
226	25	13	22.5	447.0	6.0	130.0	-13.0	86.3	-16.0	-5.0	24.0	9.4	213.0	77.0
227	25	14	22.5	443.0	10.0	150.0	19.0	92.5	-15.0	-6.0	21.0	8.9	203.0	52.0
228	25	15	22.9	542.0	1.0	120.0	25.0	89.3	-15.0	-5.0	22.0	10.0	277.0	40.0
229	25	16	21.2	451.0	2.0	110.0	-12.0	82.8	-13.0	-5.0	21.0	7.9	229.0	37.0
230	25	17	24.8	569.0	7.0	88.0	-12.0	81.5	-15.0	-5.0	23.0	9.4	296.0	35.0
231	25	18	22.3	780.0	1.0	120.0	18.0	73.5	-15.0	-6.0	21.0	11.0	254.0	83.0
232	25	19	6.0	140.0	2.0	250.0	95.0	18.0	-5.0	-2.0	0.6	1.5	10.0	4.0
233	26	1	20.1	514.0	2.0	33.0	16.0	99.0	-14.0	-5.0	24.0	10.0	233.0	19.0
234	26	2	21.3	520.0	-2.0	-23.0	-13.0	102.0	-16.0	-5.0	27.0	10.0	237.0	39.0
235	26	3	22.4	512.0	1.0	190.0	22.0	100.0	-17.0	-5.0	28.0	11.0	236.0	-10.0
236	26	4	19.0	410.0	2.0	130.0	12.0	86.0	-12.0	-4.0	22.0	9.0	170.0	9.0
237	26	5	20.0	477.0	-1.0	31.0	12.0	92.2	-13.0	-4.0	23.0	10.0	226.0	58.0
238	26	6	21.7	443.0	-1.0	85.0	16.0	93.4	-12.0	-4.0	20.0	9.2	210.0	29.0
239	26	7	21.9	406.0	2.0	92.0	-5.0	89.5	-13.0	-4.0	21.0	8.7	184.0	15.0
240	26	8	23.8	445.0	4.0	86.0	12.0	94.7	-13.0	-4.0	21.0	9.3	216.0	21.0
241	26	9	22.0	461.0	-1.0	64.0	14.0	91.5	-14.0	-4.0	22.0	9.3	222.0	13.0
242	26	10	21.8	436.0	3.0	64.0	-11.0	87.5	-13.0	-4.0	22.0	9.2	211.0	28.0
243	26	11	35.7	739.0	4.0	120.0	26.0	137.0	-23.0	-8.0	41.0	17.0	405.0	33.0
244	26	12	23.7	488.0	2.0	55.0	20.0	97.0	-17.0	-6.0	22.0	10.0	264.0	21.0
245	26	13	20.0	399.0	15.0	54.0	-15.0	82.1	-12.0	-7.0	18.0	8.2	204.0	72.0
246	26	14	20.9	351.0	3.0	130.0	-15.0	77.4	-13.0	-6.0	17.0	8.1	171.0	42.0
247	26	15	22.9	405.0	7.0	46.0	-15.0	83.4	-14.0	-6.0	21.0	8.2	197.0	44.0
248	26	16	21.3	402.0	7.0	47.0	-16.0	78.5	-14.0	-7.0	20.0	7.6	186.0	78.0
249	26	17	24.3	389.0	7.0	140.0	-16.0	70.3	-15.0	-6.0	19.0	7.4	176.0	28.0
250	26	18	20.8	466.0	-3.0	49.0	-18.0	63.8	-29.0	-7.0	50.0	10.0	146.0	37.0
251	26	19	23.2	373.0	8.0	97.0	16.0	68.6	-13.0	-6.0	18.0	6.9	163.0	154.0
252	26	20	20.0	313.0	2.0	91.0	-13.0	74.2	-12.0	-6.0	19.0	7.1	123.0	33.0
253	26	21	21.2	319.0	6.0	130.0	-15.0	78.2	-13.0	-6.0	18.0	7.0	127.0	50.0
254	26	22	20.2	473.0	1.0	-27.0	-15.0	83.2	-13.0	-6.0	20.0	8.7	209.0	33.0
255	26	23	22.2	596.0	-3.0	-29.0	-17.0	90.4	-15.0	-7.0	26.0	11.0	281.0	32.0
256	26	24	4.8	29.0	1.0	52.0	98.0	15.0	-5.0	-2.0	0.6	-0.5	7.6	-1.0
257	27	1	23.2	443.0	-3.0	62.0	-16.0	78.2	-25.0	-7.0	44.0	7.7	204.0	26.0
258	27	2	20.4	442.0	-1.0	49.0	-14.0	81.1	-11.0	-6.0	17.0	8.7	208.0	32.0
259	27	3	21.9	487.0	-1.0	58.0	-16.0	86.2	-13.0	-7.0	20.0	8.7	254.0	40.0
260	27	4	24.5	448.0	-3.0	110.0	20.0	78.8	-16.0	-6.0	26.0	7.4	225.0	39.0
261	27	5	23.6	409.0	5.0	90.0	16.0	81.6	-14.0	-6.0	22.0	7.7	190.0	38.0
262	27	6	22.2	329.0	5.0	97.0	-13.0	74.3	-11.0	-5.0	17.0	6.9	158.0	39.0
263	27	7	25.5	395.0	13.0	140.0	31.0	77.6	-42.0	-8.0	71.9	8.6	188.0	57.0
264	27	8	24.8	327.0	13.0	140.0	-14.0	74.3	-13.0	-6.0	22.0	7.2	149.0	54.0
265	27	9	21.2	353.0	8.0	99.0	-16.0	63.6	-20.0	-6.0	32.0	7.1	178.0	139.0
266	27	10	22.6	365.0	3.0	96.0	-15.0	72.2	-13.0	-6.0	20.0	6.9	169.0	40.0
267	27	11	23.0	495.0	5.0	93.0	-18.0	78.8	-20.0	-7.0	33.0	9.0	232.0	38.0
268	27	12	24.2	629.0	2.0	60.0	-19.0	84.9	-16.0	-8.0	26.0	10.0	318.0	42.0
269	27	13	22.9	763.0	1.0	-34.0	-19.0	81.2	-18.0	-8.0	29.0	11.0	397.0	34.0
270	27	14	22.8	691.0	-4.0	-33.0	-19.0	81.7	-18.0	-8.0	28.0	11.0	354.0	32.0
271	27	15	5.1	33.0	1.0	83.0	110.0	18.0	-5.0	-2.0	-0.5	0.8	7.9	1.0
272	28	1	21.7	332.0	8.0	73.0	14.0	77.7	-13.0	-6.0	18.0	6.3	145.0	39.0
273	28	2	21.7	317.0	5.0	61.0	-14.0	83.6	-11.0	-6.0	15.0	6.8	141.0	22.0
274	28	3	20.0	324.0	2.0	-24.0	-13.0	83.6	-12.0	-6.0	20.0	8.3	146.0	23.0
275	28	4	21.2	344.0	8.0	37.0	21.0	90.2	-12.0	-7.0	16.0	7.6	155.0	38.0
276	28	5	22.2	392.0	7.0	59.0	22.0	92.3	-13.0	-7.0	19.0	7.6	179.0	43.0
277	28	6	21.9	380.0	4.0	49.0	-15.0	89.1	-12.0	-6.0	16.0	6.5	166.0	30.0
278	28	7	22.5	293.0	9.0	160.0	15.0	81.9	-11.0	-6.0	13.0	7.0	127.0	42.0
279	28	8	5.6	28.0	2.0	90.0	120.0	20.4	-5.0	-2.0	0.6	0.6	8.0	1.0
280	29	1	22.5	404.0	5.0	80.0	-14.0	78.0	-12.0	-6.0	21.0	8.0	185.0	51.0

Recor	Hole	Samp	FeX	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
281	29	2	21.2	329.0	6.0	350.0	-12.0	69.2	-11.0	-5.0	18.0	6.7	137.0	21.0
282	29	3	21.3	369.0	5.0	130.0	-14.0	75.9	-12.0	-6.0	18.0	7.5	152.0	27.0
283	29	4	22.8	394.0	-3.0	90.0	-14.0	79.3	-13.0	-6.0	21.0	7.5	171.0	35.0
284	29	5	22.1	360.0	-3.0	110.0	-14.0	77.1	-16.0	-6.0	24.0	7.3	156.0	40.0
285	29	6	19.0	328.0	-1.0	65.0	13.0	72.4	-12.0	-5.0	17.0	7.3	133.0	24.0
286	29	7	20.8	408.0	3.0	76.0	-16.0	68.0	-18.0	-7.0	29.0	8.7	223.0	39.0
287	29	8	21.7	388.0	1.0	110.0	-15.0	68.0	-13.0	-6.0	19.0	8.0	224.0	42.0
288	29	9	20.3	352.0	2.0	110.0	20.0	68.6	-15.0	-6.0	23.0	7.9	181.0	55.0
289	29	10	19.0	281.0	4.0	85.0	-12.0	72.0	-12.0	-5.0	19.0	6.3	127.0	28.0
290	29	11	20.0	287.0	4.0	88.0	-13.0	71.4	-12.0	-5.0	22.0	6.9	120.0	35.0
291	29	12	22.3	343.0	-1.0	58.0	15.0	74.6	-12.0	-5.0	22.0	7.6	151.0	55.0
292	29	13	22.2	365.0	-1.0	61.0	-14.0	80.8	-14.0	-6.0	24.0	7.9	162.0	52.0
293	29	14	22.6	357.0	2.0	46.0	-14.0	84.9	-13.0	-6.0	21.0	7.0	163.0	30.0
294	29	15	21.8	383.0	3.0	60.0	22.0	80.1	-5.0	-5.0	15.0	7.0	193.0	91.0
295	29	16	4.9	21.0	4.0	52.0	57.0	14.0	-5.0	-2.0	-0.5	0.5	3.2	2.0
296	30	1	21.4	554.0	-3.0	-31.0	-18.0	92.5	-30.0	-7.0	56.2	9.0	258.0	54.0
297	30	2	23.2	459.0	-3.0	59.0	-15.0	85.1	-14.0	-6.0	25.0	7.9	205.0	35.0
298	30	3	20.9	378.0	-1.0	90.0	16.0	79.0	-14.0	-5.0	25.0	7.1	170.0	26.0
299	30	4	24.7	504.0	-1.0	67.0	-17.0	86.2	-19.0	-6.0	34.0	9.3	244.0	64.0
300	30	5	23.4	507.0	-3.0	73.0	-16.0	92.7	-13.0	-6.0	21.0	9.0	245.0	42.0
301	30	6	23.0	502.0	2.0	90.0	-17.0	83.8	-19.0	-6.0	32.0	9.1	250.0	54.0
302	30	7	18.0	306.0	-2.0	73.0	-12.0	73.7	-5.0	-4.0	15.0	6.4	132.0	29.0
303	30	8	22.6	430.0	1.0	56.0	17.0	89.0	-13.0	-6.0	22.0	7.9	198.0	44.0
304	30	9	23.2	471.0	-1.0	65.0	-15.0	90.9	-13.0	-6.0	20.0	9.1	225.0	35.0
305	30	10	22.7	444.0	-1.0	79.0	-15.0	87.8	-13.0	-6.0	21.0	8.5	189.0	46.0
306	30	11	23.2	368.0	5.0	110.0	-15.0	85.5	-14.0	-6.0	24.0	8.0	153.0	44.0
307	30	12	23.2	343.0	2.0	100.0	-17.0	83.8	-15.0	-6.0	25.0	7.7	148.0	47.0
308	30	13	20.0	331.0	3.0	93.0	-15.0	70.7	-15.0	-6.0	24.0	7.7	146.0	44.0
309	30	14	21.0	326.0	6.0	110.0	-20.0	80.0	-18.0	-8.0	26.0	7.3	139.0	51.0
310	30	15	20.4	744.0	-4.0	-29.0	-17.0	91.9	-16.0	-7.0	26.0	12.0	350.0	26.0
311	30	16	20.1	632.0	3.0	-34.0	-20.0	88.4	-17.0	-7.0	24.0	11.0	297.0	45.0
312	30	17	20.1	543.0	-3.0	62.0	20.0	93.0	-14.0	-7.0	22.0	11.0	247.0	26.0
313	30	18	20.7	634.0	-3.0	-27.0	16.0	94.0	-14.0	-6.0	25.0	11.0	290.0	27.0
314	30	19	20.0	555.0	-3.0	-26.0	-15.0	85.3	-16.0	-6.0	31.0	9.1	266.0	24.0
315	30	20	30.8	350.0	4.0	210.0	-17.0	52.6	-12.0	-6.0	14.0	5.9	162.0	31.0
316	30	21	4.7	25.0	6.0	83.0	64.0	17.0	-5.0	-2.0	-0.5	0.6	3.7	3.0
317	31	1	19.0	442.0	3.0	48.0	-17.0	93.3	-15.0	-7.0	25.0	9.3	193.0	39.0
318	31	2	20.2	478.0	-3.0	-27.0	-16.0	95.1	-15.0	-6.0	23.0	9.2	208.0	34.0
319	31	3	18.0	460.0	-3.0	31.0	-14.0	80.9	-13.0	-5.0	21.0	8.2	188.0	19.0
320	31	4	19.0	384.0	-1.0	54.0	16.0	79.1	-11.0	-5.0	18.0	7.3	162.0	27.0
321	31	5	22.7	398.0	4.0	170.0	-14.0	75.1	-13.0	-5.0	18.0	7.7	173.0	57.0
322	31	6	20.0	435.0	-3.0	56.0	-15.0	84.0	-13.0	-6.0	22.0	8.0	185.0	37.0
323	31	7	20.0	507.0	-3.0	100.0	-14.0	80.6	-11.0	-5.0	18.0	8.2	163.0	38.0
324	31	8	19.0	436.0	-1.0	61.0	-15.0	82.4	-12.0	-6.0	19.0	8.2	179.0	25.0
325	31	9	20.8	384.0	-1.0	77.0	-14.0	80.1	-12.0	-5.0	17.0	7.3	168.0	31.0
326	31	10	20.0	385.0	5.0	62.0	-14.0	78.8	-13.0	-5.0	20.0	7.4	166.0	54.0
327	31	11	22.0	408.0	4.0	200.0	-15.0	79.7	-13.0	-6.0	23.0	8.3	184.0	22.0
328	31	12	19.0	418.0	-1.0	160.0	-14.0	71.9	-15.0	-5.0	24.0	8.7	214.0	29.0
329	31	13	20.0	370.0	3.0	120.0	13.0	77.7	-11.0	-5.0	18.0	7.5	164.0	27.0
330	31	14	20.0	396.0	17.0	77.0	19.0	85.8	-11.0	-5.0	20.0	8.3	175.0	28.0
331	31	15	22.8	377.0	4.0	130.0	-15.0	78.0	-16.0	-6.0	28.0	7.8	158.0	41.0
332	31	16	21.9	373.0	-1.0	100.0	-15.0	79.7	-16.0	-6.0	25.0	7.4	169.0	43.0
333	31	17	21.7	319.0	3.0	150.0	-13.0	79.9	-5.0	-5.0	15.0	6.9	133.0	27.0
334	31	18	23.0	392.0	-1.0	110.0	-14.0	83.5	-12.0	-5.0	21.0	7.4	155.0	28.0
335	31	19	22.5	328.0	-3.0	58.0	21.0	84.6	-30.0	-6.0	56.4	7.2	134.0	43.0
336	31	20	21.7	313.0	9.0	85.0	-13.0	83.6	-12.0	-5.0	19.0	6.5	133.0	35.0

Recor	Hole	Samp	FeX	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
337	31	21	21.8	339.0	-2.0	42.0	13.0	91.8	-10.0	-5.0	15.0	7.1	150.0	35.0
338	31	22	21.5	329.0	-2.0	64.0	-11.0	91.7	-5.0	-5.0	17.0	6.9	135.0	16.0
339	31	23	23.0	299.0	4.0	110.0	-12.0	82.3	-10.0	-5.0	15.0	6.4	129.0	13.0
340	31	24	4.1	26.0	2.0	75.0	71.0	14.0	-5.0	-2.0	0.5	-0.5	3.9	4.0
341	32	1	21.5	410.0	2.0	25.0	-13.0	87.1	-12.0	-5.0	20.0	8.1	159.0	29.0
342	32	2	22.8	549.0	2.0	-28.0	-16.0	94.9	-15.0	-6.0	26.0	10.0	250.0	47.0
343	32	3	22.4	444.0	-1.0	92.0	16.0	87.7	-17.0	-6.0	29.0	8.8	188.0	37.0
344	32	4	25.5	575.0	-3.0	150.0	-17.0	80.5	-15.0	-6.0	20.0	10.0	292.0	60.0
345	32	5	24.9	383.0	3.0	87.0	-17.0	86.5	-15.0	-6.0	22.0	8.3	201.0	45.0
346	32	6	25.0	356.0	1.0	120.0	-15.0	83.6	-15.0	-6.0	24.0	8.0	149.0	37.0
347	32	7	23.8	458.0	2.0	110.0	-17.0	86.4	-16.0	-6.0	26.0	10.0	213.0	38.0
348	32	8	20.4	350.0	7.0	81.0	-15.0	74.1	-15.0	-6.0	21.0	8.1	162.0	36.0
349	32	9	22.5	405.0	5.0	100.0	-15.0	77.5	-13.0	-6.0	21.0	8.7	179.0	41.0
350	32	10	18.0	242.0	8.0	120.0	24.0	63.2	-11.0	-6.0	14.0	4.6	107.0	73.0
351	32	11	25.6	380.0	1.0	120.0	-15.0	77.4	-13.0	-6.0	22.0	7.1	163.0	51.0
352	32	12	26.1	359.0	6.0	160.0	-15.0	77.3	-13.0	-6.0	21.0	6.9	156.0	53.0
353	32	13	25.0	338.0	3.0	130.0	19.0	78.2	-13.0	-5.0	20.0	7.0	145.0	40.0
354	32	14	5.1	24.0	2.0	60.0	73.0	18.0	-5.0	-2.0	0.5	0.5	3.7	3.0
355	33	1	22.1	567.0	3.0	-35.0	-20.0	95.6	-15.0	-8.0	23.0	10.0	258.0	46.0
356	33	2	21.8	606.0	3.0	38.0	23.0	90.0	-18.0	-8.0	21.0	11.0	281.0	32.0
357	33	3	26.3	718.0	-4.0	81.0	-19.0	91.2	-21.0	-7.0	37.0	11.0	358.0	66.0
358	33	4	25.6	403.0	-3.0	85.0	-15.0	81.1	-21.0	-6.0	40.0	7.9	197.0	84.0
359	33	5	23.8	329.0	3.0	100.0	-13.0	76.7	-13.0	-5.0	23.0	6.7	148.0	60.0
360	33	6	23.1	308.0	4.0	130.0	17.0	68.7	-15.0	-5.0	25.0	6.4	118.0	60.0
361	33	7	23.4	409.0	-3.0	59.0	-15.0	79.9	-13.0	-6.0	23.0	8.6	179.0	40.0
362	33	8	23.0	406.0	3.0	59.0	16.0	78.5	-14.0	-6.0	25.0	8.1	183.0	25.0
363	33	9	24.5	384.0	6.0	120.0	-17.0	91.4	-12.0	-6.0	19.0	8.5	169.0	42.0
364	33	10	24.3	523.0	3.0	85.0	-20.0	89.0	-17.0	-8.0	25.0	9.2	242.0	51.0
365	33	11	25.1	385.0	2.0	130.0	22.0	80.9	-13.0	-6.0	23.0	7.7	170.0	37.0
366	33	12	25.4	420.0	2.0	92.0	22.0	81.0	-16.0	-7.0	25.0	8.0	189.0	71.0
367	33	13	22.9	752.0	-4.0	48.0	-20.0	86.9	-19.0	-7.0	29.0	11.0	386.0	22.0
368	33	14	21.2	694.0	-4.0	-33.0	30.0	78.0	-18.0	-7.0	29.0	12.0	379.0	33.0
369	33	15	4.7	29.0	3.0	56.0	100.0	15.0	-5.0	-2.0	0.7	0.5	7.1	1.0
370	34	1	21.3	444.0	-1.0	-28.0	17.0	82.8	-17.0	-6.0	28.0	8.5	207.0	38.0
371	34	2	20.4	382.0	7.0	43.0	-19.0	88.7	-15.0	-8.0	21.0	8.3	172.0	54.0
372	34	3	22.3	396.0	4.0	-27.0	-15.0	82.6	-15.0	-6.0	27.0	8.1	182.0	53.0
373	34	4	17.0	365.0	-3.0	30.0	20.0	69.7	-14.0	-7.0	21.0	7.8	175.0	40.0
374	34	5	19.0	317.0	4.0	72.0	-15.0	71.6	-13.0	-6.0	18.0	7.3	134.0	32.0
375	34	6	20.0	392.0	2.0	61.0	-16.0	73.5	-16.0	-7.0	22.0	7.9	170.0	73.0
376	34	7	19.0	346.0	4.0	32.0	-14.0	78.9	-12.0	-6.0	19.0	6.5	146.0	117.0
377	34	8	19.0	384.0	10.0	64.0	-16.0	77.9	-14.0	-7.0	19.0	7.4	164.0	1020.0
378	34	9	20.0	430.0	-1.0	-30.0	-17.0	81.9	-15.0	-7.0	20.0	8.7	185.0	90.0
379	34	10	20.0	429.0	3.0	79.0	18.0	77.9	-13.0	-7.0	20.0	8.2	189.0	35.0
380	34	11	23.5	420.0	7.0	86.0	-15.0	74.0	-15.0	-6.0	24.0	7.8	187.0	34.0
381	34	12	31.8	337.0	23.0	99.0	-14.0	73.6	-13.0	-6.0	17.0	6.5	149.0	39.0
382	34	13	28.2	160.0	50.0	140.0	-12.0	42.6	-10.0	-5.0	12.0	3.5	59.9	21.0
383	34	14	25.0	645.0	16.0	-31.0	-17.0	66.8	-21.0	-7.0	36.0	8.2	341.0	26.0
384	34	15	23.6	679.0	8.0	36.0	-18.0	76.3	-18.0	-7.0	27.0	10.0	357.0	44.0
385	34	16	24.2	656.0	-4.0	94.0	-18.0	73.6	-16.0	-7.0	25.0	9.5	352.0	35.0
386	34	17	23.4	680.0	-4.0	-32.0	-19.0	72.2	-25.0	-7.0	39.0	8.9	355.0	18.0
387	35	1	23.4	471.0	-4.0	69.0	-18.0	78.9	-21.0	-7.0	34.0	8.5	223.0	42.0
388	35	2	20.9	444.0	11.0	-40.0	-22.0	86.3	-16.0	-9.0	19.0	8.7	182.0	19.0
389	35	3	25.5	587.0	-4.0	88.0	-16.0	70.5	-17.0	-6.0	29.0	8.7	286.0	41.0
390	35	4	24.6	522.0	-4.0	82.0	-16.0	72.4	-17.0	-6.0	24.0	7.9	270.0	43.0
391	35	5	22.1	422.0	5.0	47.0	-17.0	74.7	-19.0	-7.0	28.0	8.0	209.0	79.0
392	35	6	19.0	353.0	4.0	85.0	20.0	71.1	-14.0	-7.0	20.0	7.9	165.0	30.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
393	35	7	20.8	366.0	1.0	38.0	16.0	71.6	-14.0	-6.0	20.0	7.3	155.0	38.0
394	35	8	22.8	421.0	5.0	-29.0	-16.0	79.0	-15.0	-7.0	24.0	8.3	195.0	22.0
395	35	9	22.4	444.0	50.0	44.0	-14.0	81.5	-16.0	-6.0	26.0	8.0	211.0	25.0
396	35	10	4.6	24.0	1.0	53.0	89.0	13.0	-5.0	-2.0	-0.5	0.6	6.1	-1.0
397	36	1	24.6	426.0	7.0	-30.0	-16.0	77.5	-15.0	-7.0	22.0	8.3	204.0	46.0
398	36	2	21.4	353.0	5.0	-27.0	-14.0	72.4	-18.0	-6.0	28.0	7.2	167.0	59.0
399	36	3	20.7	372.0	-1.0	56.0	18.0	76.4	-13.0	-6.0	19.0	7.1	158.0	30.0
400	36	4	25.0	407.0	-1.0	48.0	-16.0	76.0	-18.0	-6.0	27.0	8.1	186.0	44.0
401	36	5	24.8	411.0	4.0	130.0	-16.0	73.7	-17.0	-6.0	26.0	7.7	184.0	61.0
402	36	6	24.5	361.0	9.0	33.0	18.0	77.3	-15.0	-6.0	21.0	7.8	155.0	35.0
403	36	7	26.5	311.0	7.0	37.0	24.0	82.8	-17.0	-8.0	23.0	6.7	130.0	50.0
404	36	8	21.2	335.0	4.0	68.0	-14.0	77.8	-13.0	-6.0	19.0	6.6	147.0	39.0
405	36	9	20.6	391.0	2.0	35.0	-15.0	81.9	-12.0	-6.0	17.0	7.8	168.0	37.0
406	36	10	20.0	212.0	7.0	55.0	-13.0	91.7	-10.0	-6.0	13.0	5.9	65.4	22.0
407	36	11	20.6	322.0	5.0	76.0	-15.0	89.8	-11.0	-6.0	15.0	7.1	130.0	33.0
408	36	12	20.2	423.0	-3.0	93.0	-15.0	83.2	-13.0	-6.0	18.0	8.0	189.0	29.0
409	36	13	20.0	394.0	7.0	53.0	18.0	78.3	-13.0	-6.0	17.0	7.8	170.0	26.0
410	36	14	20.0	413.0	6.0	77.0	-14.0	76.7	-12.0	-6.0	19.0	7.7	185.0	19.0
411	36	15	19.0	409.0	-1.0	46.0	-14.0	76.6	-13.0	-6.0	20.0	8.7	185.0	20.0
412	36	16	4.2	30.0	2.0	52.0	78.0	12.0	-5.0	-2.0	-0.5	0.6	6.5	3.0
413	37	1	19.0	419.0	3.0	34.0	-14.0	66.7	-14.0	-6.0	20.0	8.9	221.0	14.0
414	37	2	19.0	373.0	-1.0	55.0	-13.0	69.6	-12.0	-6.0	17.0	8.0	181.0	34.0
415	37	3	20.0	471.0	5.0	95.0	-25.0	64.1	-20.0	-9.0	29.0	8.6	219.0	47.0
416	37	4	21.5	421.0	3.0	64.0	20.0	79.9	-17.0	-8.0	21.0	9.0	178.0	37.0
417	37	5	21.8	403.0	6.0	110.0	-19.0	83.3	-17.0	-7.0	24.0	7.6	156.0	41.0
418	37	6	22.5	332.0	-1.0	76.0	-17.0	77.8	-15.0	-7.0	20.0	6.5	126.0	39.0
419	37	7	22.3	376.0	-1.0	120.0	-17.0	84.2	-15.0	-7.0	23.0	8.0	142.0	28.0
420	37	8	23.1	357.0	3.0	130.0	-18.0	80.9	-16.0	-7.0	22.0	7.1	129.0	28.0
421	37	9	22.6	370.0	3.0	100.0	-18.0	90.4	-17.0	-7.0	24.0	7.5	149.0	33.0
422	37	10	20.1	299.0	2.0	110.0	-18.0	87.4	-33.0	-7.0	57.1	6.0	111.0	30.0
423	37	11	24.6	418.0	2.0	97.0	-18.0	92.8	-26.0	-7.0	42.0	8.3	165.0	64.0
424	37	12	24.7	464.0	4.0	120.0	-16.0	95.8	-16.0	-7.0	23.0	8.7	178.0	60.0
425	37	13	24.2	382.0	-1.0	110.0	18.0	91.6	-13.0	-6.0	20.0	7.9	151.0	29.0
426	37	14	25.9	574.0	-1.0	91.0	-21.0	93.2	-16.0	-8.0	20.0	10.0	244.0	39.0
427	37	15	23.0	395.0	2.0	62.0	17.0	85.7	-14.0	-6.0	16.0	7.3	149.0	26.0
428	37	16	25.1	493.0	6.0	100.0	-19.0	88.9	-15.0	-7.0	19.0	8.0	212.0	28.0
429	37	17	26.7	1990.0	-8.0	-64.0	-40.0	86.3	-35.0	-13.0	49.0	23.0	1130.0	60.0
430	37	18	25.2	686.0	-4.0	-38.0	-21.0	94.3	-21.0	-8.0	33.0	12.0	311.0	28.0
431	37	19	24.6	687.0	-4.0	81.0	-23.0	89.9	-29.0	-9.0	45.0	10.0	314.0	25.0
432	37	20	23.0	599.0	4.0	52.0	-18.0	104.0	-18.0	-7.0	28.0	10.0	264.0	15.0
433	37	21	24.5	744.0	3.0	63.0	27.0	96.9	-21.0	-9.0	30.0	12.0	338.0	27.0
434	37	22	23.5	639.0	-4.0	89.0	-24.0	79.2	-19.0	-9.0	20.0	7.9	301.0	18.0
435	37	23	26.0	591.0	3.0	70.0	-21.0	88.8	-16.0	-8.0	18.0	8.9	261.0	30.0
436	38	1	20.6	527.0	3.0	120.0	26.0	81.3	-17.0	-7.0	26.0	10.0	210.0	17.0
437	38	2	24.1	556.0	-1.0	68.0	-19.0	88.0	-18.0	-7.0	24.0	10.0	235.0	39.0
438	38	3	22.8	505.0	6.0	55.0	-18.0	88.7	-17.0	-7.0	23.0	10.0	216.0	13.0
439	38	4	24.3	453.0	-1.0	110.0	-18.0	84.6	-21.0	-7.0	30.0	9.1	183.0	27.0
440	38	5	23.1	424.0	2.0	85.0	-19.0	85.7	-17.0	-7.0	21.0	8.2	168.0	40.0
441	38	6	21.6	366.0	5.0	77.0	-16.0	81.2	-16.0	-6.0	24.0	7.8	139.0	59.0
442	38	7	19.0	266.0	3.0	82.0	-12.0	71.8	-10.0	-5.0	15.0	6.2	95.9	21.0
443	38	8	22.2	360.0	2.0	88.0	-16.0	81.3	-15.0	-7.0	23.0	7.9	135.0	42.0
444	38	9	22.6	383.0	-1.0	81.0	-15.0	85.1	-15.0	-6.0	22.0	7.5	145.0	162.0
445	38	10	22.1	411.0	-1.0	100.0	-16.0	85.8	-16.0	-6.0	22.0	8.6	156.0	99.0
446	38	11	21.8	373.0	1.0	73.0	-17.0	84.6	-15.0	-7.0	24.0	7.8	140.0	38.0
447	38	12	21.9	369.0	4.0	130.0	-20.0	83.0	-17.0	-8.0	23.0	8.3	145.0	17.0
448	38	13	21.7	408.0	4.0	53.0	-17.0	87.1	-15.0	-7.0	18.0	8.0	160.0	39.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
449	38	14	20.8	489.0	2.0	63.0	-18.0	93.4	-14.0	-7.0	19.0	10.0	203.0	24.0
450	38	15	20.0	443.0	-3.0	-29.0	18.0	93.1	-13.0	-6.0	18.0	9.4	176.0	14.0
451	38	16	22.7	495.0	4.0	45.0	-17.0	93.4	-15.0	-7.0	21.0	8.9	216.0	25.0
452	38	17	2.5	24.0	-1.0	45.0	40.0	6.1	-5.0	-2.0	-0.5	-0.5	4.2	1.0
453	39	1	20.7	366.0	-1.0	100.0	-16.0	82.5	-17.0	-6.0	26.0	7.6	138.0	80.0
454	39	2	20.0	332.0	-1.0	130.0	-16.0	69.6	-16.0	-6.0	25.0	7.8	136.0	21.0
455	39	3	20.0	356.0	3.0	82.0	-16.0	77.7	-15.0	-7.0	20.0	7.8	142.0	26.0
456	39	4	21.4	409.0	-1.0	40.0	28.0	86.1	-16.0	-7.0	23.0	8.8	163.0	40.0
457	39	5	22.7	443.0	2.0	48.0	-18.0	86.4	-18.0	-7.0	27.0	8.9	177.0	34.0
458	39	6	23.2	469.0	5.0	92.0	23.0	86.9	-18.0	-8.0	25.0	9.2	183.0	50.0
459	39	7	24.6	440.0	7.0	66.0	31.0	90.1	-21.0	-8.0	31.0	8.5	182.0	40.0
460	39	8	24.4	481.0	-1.0	56.0	-19.0	90.2	-21.0	-8.0	30.0	8.9	197.0	70.0
461	39	9	22.9	414.0	-4.0	67.0	-20.0	94.1	-16.0	-8.0	23.0	8.8	154.0	74.0
462	39	10	28.4	431.0	4.0	150.0	-23.0	91.5	-22.0	-9.0	28.0	8.6	170.0	51.0
463	39	11	26.1	371.0	5.0	190.0	27.0	87.4	-19.0	-8.0	28.0	7.2	149.0	41.0
464	39	12	25.1	417.0	5.0	160.0	23.0	91.4	-17.0	-8.0	23.0	8.0	172.0	49.0
465	39	13	26.4	361.0	12.0	280.0	-21.0	84.0	-14.0	-8.0	16.0	7.7	147.0	140.0
466	39	14	23.3	335.0	10.0	240.0	25.0	84.0	-17.0	-9.0	20.0	7.2	136.0	78.0
467	39	15	24.6	457.0	-1.0	130.0	32.0	96.5	-18.0	-8.0	24.0	8.6	193.0	60.0
468	39	16	23.1	461.0	7.0	92.0	27.0	96.2	-17.0	-8.0	20.0	8.6	191.0	43.0
469	39	17	22.3	494.0	2.0	-37.0	-20.0	104.0	-22.0	-8.0	36.0	9.2	203.0	31.0
470	39	21	3.8	21.0	1.0	36.0	75.0	11.0	-5.0	-2.0	-0.5	0.5	5.3	34.0
471	40	1	7.5	14.0	1.0	33.0	17.0	20.6	-5.0	-2.0	-0.5	0.8	1.2	3.0
472	41	1	20.6	524.0	-1.0	-31.0	-17.0	99.5	-17.0	-7.0	28.0	11.0	186.0	22.0
473	41	2	22.1	377.0	-3.0	-31.0	-17.0	95.9	-14.0	-7.0	20.0	7.9	147.0	24.0
474	41	3	23.5	361.0	2.0	100.0	-19.0	91.8	-16.0	-7.0	19.0	7.7	127.0	31.0
475	41	4	20.0	356.0	-3.0	130.0	-16.0	77.7	-14.0	-6.0	18.0	7.9	157.0	29.0
476	41	5	22.7	374.0	6.0	140.0	-17.0	87.2	-14.0	-7.0	20.0	7.8	153.0	26.0
477	41	6	6.5	21.0	-1.0	98.0	19.0	20.4	-5.0	-2.0	0.6	0.8	1.5	8.0
478	42	1	20.9	542.0	-4.0	110.0	-18.0	90.2	-16.0	-7.0	24.0	10.0	213.0	16.0
479	42	2	22.1	571.0	5.0	100.0	-20.0	92.3	-19.0	-8.0	25.0	10.0	226.0	24.0
480	42	3	22.3	584.0	2.0	58.0	-20.0	93.1	-22.0	-8.0	33.0	11.0	241.0	39.0
481	42	4	21.9	576.0	-4.0	92.0	23.0	91.9	-17.0	-7.0	23.0	11.0	234.0	36.0
482	42	5	22.1	518.0	-1.0	62.0	-19.0	95.1	-22.0	-8.0	30.0	10.0	212.0	16.0
483	42	6	22.4	486.0	3.0	100.0	-17.0	91.4	-15.0	-7.0	22.0	10.0	193.0	31.0
484	42	7	23.1	489.0	1.0	95.0	-17.0	87.0	-15.0	-7.0	20.0	9.2	195.0	61.0
485	42	8	24.5	539.0	4.0	120.0	-24.0	106.0	-18.0	-9.0	21.0	10.0	232.0	50.0
486	42	9	6.7	10.0	-1.0	91.0	31.0	23.5	-5.0	-2.0	-0.5	-0.5	0.7	-1.0
487	43	1	22.3	571.0	15.0	97.0	22.0	93.9	-19.0	-8.0	26.0	11.0	221.0	50.0
488	43	2	23.0	528.0	-1.0	38.0	-18.0	95.6	-18.0	-7.0	26.0	10.0	206.0	37.0
489	43	3	21.8	381.0	2.0	130.0	25.0	85.9	-19.0	-7.0	33.0	7.5	144.0	63.0
490	43	4	21.7	335.0	4.0	110.0	-16.0	85.6	-13.0	-6.0	18.0	6.9	128.0	34.0
491	43	5	22.0	375.0	2.0	92.0	17.0	89.8	-16.0	-7.0	22.0	8.1	144.0	40.0
492	43	6	23.8	457.0	4.0	100.0	-19.0	94.2	-18.0	-7.0	28.0	10.0	182.0	29.0
493	43	7	24.7	363.0	53.0	98.0	21.0	71.8	-15.0	-7.0	17.0	6.7	145.0	31.0
494	43	8	6.2	39.0	2.0	110.0	160.0	21.7	-5.0	-2.0	0.6	0.8	7.6	2.0
495	44	1	4.6	31.0	3.0	78.0	72.0	14.0	-5.0	-2.0	-0.5	-0.5	6.3	3.0
496	45	1	22.7	684.0	-4.0	57.0	-20.0	95.7	-17.0	-8.0	25.0	12.0	303.0	39.0
497	45	2	10.0	13.0	1.0	130.0	27.0	25.3	-5.0	-2.0	-0.5	-0.5	1.3	4.0
498	46	1	20.9	590.0	-4.0	51.0	-21.0	88.8	-18.0	-8.0	30.0	11.0	205.0	33.0
499	46	2	20.8	546.0	-4.0	98.0	-20.0	86.0	-22.0	-8.0	34.0	11.0	242.0	29.0
500	46	3	9.2	12.0	-1.0	150.0	19.0	25.9	-5.0	-2.0	-0.5	0.8	0.9	-1.0
501	47	1	21.9	466.0	1.0	220.0	-18.0	82.1	-17.0	-7.0	24.0	9.4	193.0	42.0
502	47	2	21.2	487.0	-4.0	56.0	-20.0	93.1	-23.0	9.0	34.0	10.0	207.0	26.0
503	47	3	22.2	630.0	-1.0	58.0	-27.0	92.5	-24.0	-10.0	30.0	11.0	291.0	50.0
504	47	4	20.0	449.0	7.0	39.0	-18.0	68.6	-15.0	-7.0	20.0	8.9	236.0	48.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
505	47	5	22.2	394.0	6.0	97.0	-16.0	71.6	-15.0	-7.0	22.0	7.6	180.0	33.0
506	47	6	22.4	330.0	7.0	130.0	-15.0	69.9	-14.0	-6.0	21.0	6.6	146.0	40.0
507	47	7	8.5	12.0	-1.0	120.0	23.0	26.7	-5.0	-2.0	0.6	0.8	1.0	-1.0
508	48	1	12.0	13.0	2.0	34.0	30.0	25.0	-5.0	-2.0	0.5	0.9	1.4	-1.0
509	48	2	13.0	13.0	-1.0	32.0	28.0	24.1	-5.0	-2.0	-0.5	1.0	1.2	-1.0
510	49	1	21.0	476.0	-1.0	-28.0	-16.0	88.7	-13.0	-7.0	18.0	8.9	205.0	21.0
511	49	2	21.2	414.0	4.0	40.0	-15.0	79.5	-12.0	-6.0	17.0	9.2	176.0	26.0
512	49	3	21.0	387.0	8.0	39.0	15.0	77.3	-12.0	-6.0	19.0	7.6	161.0	27.0
513	49	4	20.7	296.0	4.0	70.0	16.0	72.9	-5.0	-5.0	12.0	6.0	129.0	25.0
514	49	5	6.0	13.0	-1.0	72.0	38.0	31.4	-5.0	-2.0	-0.5	1.0	0.6	-1.0
515	50	1	7.3	10.0	1.0	120.0	40.0	24.6	-5.0	-2.0	-0.5	0.8	0.4	-1.0
516	51	1	22.1	541.0	-1.0	-30.0	21.0	85.2	-16.0	-7.0	25.0	9.1	259.0	47.0
517	51	2	25.6	372.0	3.0	63.0	29.0	65.7	-12.0	-6.0	18.0	6.9	177.0	29.0
518	51	3	7.7	15.0	3.0	32.0	84.0	16.0	-5.0	-2.0	0.8	0.6	2.1	-1.0
519	51	4	10.0	16.0	1.0	54.0	75.0	15.0	-5.0	-2.0	0.5	0.8	1.6	-1.0
520	52	1	22.4	502.0	2.0	-29.0	-16.0	75.1	-16.0	-7.0	24.0	10.0	220.0	50.0
521	52	2	23.2	422.0	3.0	45.0	-14.0	74.9	-11.0	-6.0	17.0	7.6	184.0	29.0
522	52	3	7.5	14.0	1.0	60.0	21.0	22.2	-5.0	-2.0	0.7	0.7	1.0	-1.0
523	53	1	21.9	435.0	-1.0	45.0	-14.0	76.8	-14.0	-6.0	25.0	7.5	190.0	35.0
524	53	2	0.6	19.0	2.0	-20.0	33.0	5.3	-5.0	-2.0	0.6	0.7	2.4	4.0
525	54	1	20.8	395.0	3.0	-22.0	-12.0	75.7	-11.0	-5.0	16.0	7.1	156.0	23.0
526	54	2	21.7	285.0	5.0	94.0	-11.0	62.5	-5.0	-5.0	11.0	5.8	113.0	22.0
527	54	3	20.0	277.0	-1.0	66.0	-11.0	67.6	-5.0	-5.0	13.0	6.4	119.0	20.0
528	54	4	1.9	26.0	-1.0	-20.0	60.0	7.6	-5.0	-2.0	1.0	1.0	3.0	4.0
529	55	1	21.5	391.0	2.0	-26.0	-14.0	78.7	-15.0	-6.0	25.0	7.7	174.0	43.0
530	55	2	20.0	403.0	-3.0	-23.0	-13.0	76.6	-12.0	-5.0	20.0	7.9	182.0	23.0
531	55	3	20.0	323.0	1.0	30.0	-12.0	69.4	-11.0	-5.0	17.0	7.0	134.0	41.0
532	55	4	20.0	367.0	2.0	88.0	-13.0	68.4	-12.0	-5.0	18.0	7.6	140.0	20.0
533	55	5	18.0	361.0	6.0	43.0	-13.0	58.6	-13.0	-5.0	19.0	7.1	172.0	38.0
534	55	6	20.3	433.0	2.0	-24.0	-13.0	71.2	-12.0	-6.0	17.0	8.2	211.0	30.0
535	55	7	20.0	461.0	-3.0	-24.0	-14.0	78.1	-11.0	-6.0	15.0	8.7	210.0	117.0
536	55	8	7.4	9.0	-1.0	130.0	17.0	22.4	-5.0	-2.0	-0.5	0.6	1.0	3.0
537	56	1	22.9	473.0	-1.0	-26.0	21.0	84.3	-13.0	-6.0	21.0	8.5	231.0	75.0
538	56	2	20.0	365.0	-1.0	-27.0	25.0	72.0	-31.0	-6.0	56.0	9.3	163.0	81.0
539	56	3	23.2	553.0	-3.0	-26.0	-15.0	84.2	-16.0	-6.0	26.0	9.4	271.0	46.0
540	56	4	2.7	22.0	-1.0	47.0	63.0	6.4	-5.0	-2.0	-0.5	-0.5	4.2	-1.0
541	56	5	2.6	25.0	2.0	30.0	49.0	6.2	-5.0	-2.0	-0.5	-0.5	4.2	1.0
542	57	1	19.0	472.0	-3.0	-24.0	-13.0	77.7	-14.0	-6.0	23.0	9.0	200.0	24.0
543	57	2	21.2	563.0	-3.0	43.0	-16.0	83.7	-15.0	-7.0	23.0	10.0	260.0	31.0
544	57	3	9.0	17.0	-1.0	50.0	28.0	29.2	-5.0	-2.0	0.6	1.1	0.9	-1.0
545	58	1	22.3	531.0	-3.0	44.0	20.0	76.6	-14.0	-6.0	23.0	8.8	250.0	79.0
546	58	2	21.0	570.0	-3.0	-30.0	-17.0	80.3	-28.0	-7.0	45.0	10.0	264.0	34.0
547	58	3	21.8	546.0	-3.0	-26.0	-15.0	82.2	-15.0	-6.0	23.0	9.3	254.0	28.0
548	58	4	5.5	18.0	2.0	85.0	49.0	21.1	-5.0	-2.0	-0.5	0.8	1.5	-1.0
549	59	1	20.4	510.0	-3.0	37.0	-15.0	83.4	-13.0	-6.0	20.0	9.2	231.0	36.0
550	59	2	21.5	456.0	-1.0	55.0	-14.0	76.4	-12.0	-6.0	19.0	8.0	203.0	36.0
551	59	3	21.0	517.0	-3.0	54.0	-14.0	79.9	-13.0	-6.0	22.0	8.9	242.0	28.0
552	59	4	23.7	593.0	-4.0	29.0	-15.0	79.0	-14.0	-6.0	24.0	10.0	302.0	30.0
553	59	5	24.2	572.0	-3.0	58.0	-15.0	81.2	-13.0	-6.0	20.0	9.5	285.0	35.0
554	59	6	11.0	14.0	1.0	28.0	9.0	28.5	-5.0	-2.0	0.6	1.2	1.1	4.0
555	60	1	20.8	477.0	-3.0	45.0	-15.0	77.4	-13.0	-6.0	19.0	9.0	223.0	61.0
556	60	2	22.6	515.0	-3.0	34.0	-16.0	84.2	-16.0	-7.0	27.0	10.0	238.0	34.0
557	60	3	20.0	460.0	-3.0	66.0	-14.0	76.0	-14.0	-6.0	21.0	8.5	218.0	38.0
558	60	4	20.0	441.0	5.0	150.0	-15.0	65.1	-16.0	-6.0	27.0	8.8	229.0	36.0
559	60	5	7.8	6.0	1.0	110.0	14.0	29.7	-5.0	-2.0	-0.5	0.6	0.6	2.0
560	61	1	19.0	498.0	3.0	60.0	-15.0	73.5	-16.0	-6.0	23.0	8.9	235.0	52.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
561	61	2	20.1	466.0	4.0	52.0	-15.0	73.9	-15.0	-6.0	25.0	8.9	235.0	51.0
562	61	3	19.0	404.0	3.0	120.0	-5.0	74.0	-11.0	-2.0	21.0	8.9	203.0	40.0
563	61	4	23.8	396.0	1.0	76.0	13.0	98.4	-12.0	-2.0	24.0	9.4	177.0	24.0
564	61	5	25.4	346.0	-1.0	98.0	14.0	77.9	-5.0	-2.0	18.0	8.2	178.0	36.0
565	61	6	22.4	498.0	-1.0	82.0	-5.0	89.7	-11.0	-2.0	19.0	10.0	225.0	38.0
566	61	7	23.3	494.0	3.0	110.0	-5.0	96.3	-14.0	-2.0	27.0	10.0	227.0	34.0
567	61	8	21.7	545.0	4.0	65.0	-10.0	98.6	-13.0	-4.0	25.0	12.0	248.0	39.0
568	61	9	24.2	594.0	-1.0	61.0	-11.0	105.0	-13.0	-4.0	24.0	12.0	274.0	40.0
569	61	10	22.9	483.0	1.0	51.0	-5.0	92.2	-5.0	-2.0	19.0	10.0	236.0	55.0
570	61	11	25.7	554.0	-1.0	23.0	10.0	103.0	-16.0	-4.0	31.0	11.0	277.0	52.0
571	61	12	24.6	429.0	13.0	110.0	-5.0	80.5	-12.0	-2.0	24.0	11.0	153.0	33.0
572	61	13	21.6	257.0	6.0	88.0	9.0	64.8	-5.0	-2.0	13.0	5.7	112.0	64.0
573	61	14	3.2	16.0	2.0	-20.0	32.0	8.0	-5.0	-2.0	-0.5	-0.5	1.7	5.0
574	62	1	27.0	651.0	-1.0	66.0	-11.0	102.0	-16.0	-4.0	30.0	13.0	308.0	54.0
575	62	2	24.2	518.0	-1.0	44.0	14.0	93.6	-20.0	-4.0	37.0	10.0	243.0	30.0
576	62	3	24.0	453.0	-1.0	90.0	-5.0	91.8	-12.0	-2.0	22.0	10.0	200.0	24.0
577	62	4	22.5	481.0	-1.0	90.0	9.0	90.8	-10.0	-2.0	21.0	10.0	242.0	23.0
578	62	5	26.8	514.0	-1.0	100.0	13.0	113.0	-12.0	-4.0	22.0	10.0	228.0	30.0
579	62	6	30.7	311.0	4.0	60.0	11.0	68.3	-5.0	-2.0	13.0	6.2	142.0	23.0
580	62	7	25.8	525.0	2.0	71.0	10.0	98.4	-13.0	-4.0	23.0	10.0	251.0	25.0
581	62	8	24.2	354.0	2.0	160.0	10.0	89.4	-10.0	-2.0	21.0	8.2	153.0	30.0
582	62	9	21.7	402.0	-1.0	96.0	-5.0	84.4	-10.0	-4.0	20.0	9.3	200.0	26.0
583	62	10	21.5	373.0	3.0	85.0	-5.0	86.5	-13.0	-2.0	23.0	8.9	172.0	56.0
584	62	11	21.6	400.0	1.0	73.0	10.0	93.3	-12.0	-2.0	23.0	8.7	183.0	16.0
585	62	12	6.3	17.0	1.0	46.0	54.0	25.6	-5.0	-2.0	-0.5	0.9	1.0	3.0
586	63	1	22.0	430.0	-1.0	120.0	-5.0	87.9	-12.0	-4.0	22.0	10.0	192.0	40.0
587	63	2	6.1	18.0	-1.0	-20.0	30.0	19.0	-5.0	-2.0	0.7	1.2	1.7	-1.0
588	64	1	23.1	483.0	3.0	47.0	16.0	114.0	-5.0	-4.0	17.0	10.0	220.0	20.0
589	64	2	22.0	438.0	-1.0	100.0	14.0	86.7	-11.0	-2.0	21.0	9.0	197.0	20.0
590	64	3	24.4	579.0	-2.0	46.0	12.0	105.0	-15.0	-4.0	28.0	11.0	251.0	24.0
591	64	4	10.0	15.0	2.0	-20.0	43.0	34.6	-5.0	-2.0	0.7	1.2	0.6	-1.0
592	65	1	23.9	472.0	-1.0	49.0	16.0	95.3	-15.0	-2.0	30.0	9.3	213.0	23.0
593	65	2	22.4	377.0	2.0	60.0	13.0	100.0	-19.0	-4.0	35.0	8.4	156.0	36.0
594	65	3	19.0	295.0	1.0	54.0	10.0	82.3	-12.0	-2.0	23.0	7.3	121.0	32.0
595	65	4	20.0	225.0	2.0	67.0	12.0	82.1	-5.0	-2.0	14.0	6.4	92.0	19.0
596	65	5	6.9	17.0	1.0	71.0	38.0	22.1	-5.0	-2.0	0.6	0.8	2.2	-1.0
597	66	1	21.9	628.0	-1.0	38.0	-11.0	102.0	-13.0	-5.0	25.0	12.0	281.0	26.0
598	66	2	2.9	37.0	1.0	49.0	51.0	7.4	-5.0	-2.0	-0.5	-0.5	5.6	-1.0
599	67	1	26.4	639.0	1.0	390.0	14.0	90.7	-16.0	-5.0	28.0	12.0	294.0	35.0
600	67	2	24.4	759.0	3.0	53.0	-13.0	108.0	-13.0	-5.0	22.0	14.0	322.0	39.0
601	67	3	24.0	657.0	-1.0	62.0	-12.0	97.0	-12.0	-5.0	24.0	12.0	299.0	40.0
602	67	4	9.2	6.0	-1.0	73.0	18.0	39.9	-5.0	-2.0	-0.5	1.0	0.8	-1.0
603	67	5	28.6	740.0	3.0	85.0	-14.0	106.0	-15.0	-5.0	26.0	13.0	373.0	37.0
604	67	6	28.6	593.0	-1.0	120.0	-12.0	99.0	-12.0	-5.0	20.0	11.0	274.0	22.0
605	67	7	24.6	590.0	-1.0	87.0	-11.0	93.5	-12.0	-5.0	20.0	11.0	272.0	19.0
606	67	8	11.0	11.0	2.0	42.0	45.0	24.3	-5.0	-2.0	-0.5	0.9	0.7	2.0
607	68	1	7.0	31.0	2.0	-20.0	26.0	19.0	-5.0	-2.0	1.2	1.7	2.5	2.0
608	69	1	6.9	28.0	3.0	-20.0	38.0	18.0	-5.0	-2.0	1.1	1.6	2.3	-1.0
609	70	1	25.8	237.0	3.0	71.0	14.0	65.5	-5.0	-2.0	7.5	7.2	76.8	25.0
610	70	2	23.9	37.0	4.0	73.0	14.0	38.7	14.0	-2.0	1.4	2.9	9.3	14.0
611	70	3	6.1	11.0	2.0	71.0	42.0	19.0	-5.0	-2.0	-0.5	0.8	1.4	5.0
612	71	1	2.5	38.0	1.0	-20.0	48.0	4.6	-5.0	-2.0	-0.5	-0.5	5.0	2.0
613	72	1	25.2	130.0	4.0	56.0	13.0	51.5	13.0	-2.0	4.5	4.6	40.7	49.0
614	72	2	23.1	634.0	-2.0	29.0	-5.0	94.8	-13.0	-2.0	27.0	11.0	306.0	39.0
615	72	3	23.7	824.0	6.0	42.0	-16.0	100.0	-36.0	-6.0	67.5	13.0	460.0	42.0
616	72	4	10.0	5.0	-1.0	230.0	12.0	19.0	-5.0	-2.0	-0.5	-0.5	0.3	-1.0

Recor	Hole	Samp	FeX	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
617	73	1	28.8	593.0	-1.0	64.0	12.0	94.4	-13.0	-5.0	24.0	11.0	273.0	35.0
618	73	2	3.2	33.0	2.0	63.0	31.0	8.6	-5.0	-2.0	-0.5	-0.5	4.7	-1.0
619	74	1	27.6	556.0	-2.0	76.0	-5.0	99.4	-5.0	-2.0	19.0	10.0	262.0	19.0
620	74	2	20.9	690.0	-2.0	41.0	11.0	84.0	-11.0	-4.0	18.0	10.0	353.0	26.0
621	74	3	9.2	12.0	-1.0	59.0	37.0	28.4	-5.0	-2.0	-0.5	0.9	1.5	-1.0
622	75	1	4.6	24.0	1.0	47.0	53.0	15.0	-5.0	-2.0	-0.5	0.6	3.2	-1.0
623	76	1	1.7	48.0	-1.0	-20.0	55.0	3.2	-5.0	-2.0	-0.5	-0.5	3.9	13.0
624	77	1	25.4	493.0	-1.0	58.0	17.0	105.0	-17.0	-4.0	32.0	10.0	233.0	25.0
625	77	2	23.7	389.0	2.0	57.0	-5.0	106.0	-11.0	-4.0	21.0	9.3	161.0	21.0
626	77	3	2.9	42.0	2.0	50.0	110.0	10.0	-5.0	-2.0	-0.5	0.7	6.7	6.0
627	77	4	2.2	29.0	2.0	36.0	84.0	7.3	-5.0	-2.0	-0.5	-0.5	4.7	6.0
628	78	1	25.7	523.0	-1.0	35.0	14.0	95.4	-11.0	-2.0	19.0	10.0	247.0	-13.0
629	78	2	24.6	460.0	-1.0	71.0	10.0	90.6	-5.0	-2.0	19.0	9.2	201.0	28.0
630	78	3	24.7	487.0	-2.0	63.0	-5.0	92.7	-12.0	-2.0	21.0	10.0	225.0	22.0
631	78	4	25.1	476.0	-1.0	63.0	-5.0	95.5	-13.0	-2.0	24.0	10.0	219.0	26.0
632	78	5	25.4	429.0	2.0	83.0	10.0	97.7	-10.0	-2.0	20.0	9.0	187.0	116.0
633	78	6	1.8	34.0	-1.0	-20.0	63.0	3.6	-5.0	-2.0	-0.5	-0.5	4.0	4.0
634	79	1	23.9	634.0	-2.0	52.0	11.0	107.0	-5.0	-2.0	17.0	12.0	262.0	32.0
635	79	2	21.8	460.0	-1.0	76.0	17.0	87.2	-12.0	-2.0	24.0	8.9	208.0	18.0
636	79	3	1.8	36.0	-1.0	-20.0	57.0	3.3	-5.0	-2.0	-0.5	-0.5	3.6	2.0
637	80	1	32.6	422.0	7.0	190.0	-11.0	66.6	-5.0	-4.0	14.0	7.8	196.0	21.0
638	80	2	5.0	19.0	3.0	65.0	120.0	15.0	-5.0	-2.0	-0.5	0.7	2.7	4.0
639	81	1	1.6	30.0	1.0	-20.0	56.0	3.2	-5.0	-2.0	0.5	-0.5	3.5	-1.0
640	82	1	23.5	525.0	-1.0	61.0	-5.0	95.4	-14.0	-4.0	26.0	10.0	250.0	33.0
641	82	2	21.7	446.0	6.0	70.0	-5.0	83.4	-10.0	-2.0	19.0	8.8	199.0	29.0
642	82	3	20.0	456.0	1.0	46.0	-5.0	77.8	-13.0	-2.0	24.0	10.0	214.0	34.0
643	82	4	21.3	461.0	-1.0	77.0	15.0	89.3	-13.0	-2.0	23.0	9.4	204.0	-14.0
644	82	5	20.2	361.0	-1.0	94.0	-5.0	88.9	-10.0	-2.0	18.0	8.3	151.0	27.0
645	82	6	25.6	540.0	10.0	150.0	-11.0	105.0	-16.0	-5.0	29.0	11.0	248.0	-18.0
646	82	7	23.1	605.0	-1.0	94.0	17.0	98.5	-12.0	-4.0	23.0	10.0	272.0	26.0
647	82	8	20.2	454.0	-1.0	57.0	15.0	95.1	-5.0	-2.0	18.0	8.5	197.0	17.0
648	82	9	20.7	515.0	-2.0	57.0	-5.0	90.0	-13.0	-2.0	24.0	9.0	239.0	-14.0
649	82	10	22.0	515.0	-1.0	51.0	-5.0	95.1	-14.0	-2.0	29.0	9.1	224.0	31.0
650	82	11	25.5	697.0	-3.0	81.0	-12.0	106.0	-17.0	-5.0	31.0	12.0	334.0	-20.0
651	82	12	26.4	830.0	-1.0	50.0	-12.0	104.0	-15.0	-5.0	27.0	13.0	385.0	29.0
652	82	13	3.3	40.0	2.0	58.0	89.0	9.3	-5.0	-2.0	-0.5	-0.5	6.6	2.0
653	83	1	24.0	635.0	-1.0	92.0	-11.0	98.0	-12.0	-4.0	24.0	12.0	292.0	64.0
654	83	2	2.2	40.0	2.0	-20.0	61.0	4.6	-5.0	-2.0	-0.5	-0.5	3.7	2.0
655	84	1	25.1	636.0	1.0	61.0	16.0	98.7	-13.0	-4.0	25.0	12.0	282.0	-18.0
656	84	2	23.1	573.0	-1.0	73.0	11.0	100.0	-13.0	-4.0	25.0	11.0	243.0	27.0
657	84	3	25.0	599.0	6.0	79.0	17.0	108.0	-15.0	-5.0	29.0	12.0	244.0	49.0
658	84	4	24.9	444.0	4.0	110.0	-5.0	100.0	-11.0	-2.0	20.0	9.4	191.0	37.0
659	84	5	24.0	357.0	2.0	160.0	-5.0	90.7	-5.0	-2.0	18.0	7.9	154.0	21.0
660	84	6	24.5	378.0	5.0	150.0	15.0	88.3	-10.0	-2.0	19.0	8.1	175.0	-16.0
661	84	7	23.1	355.0	-1.0	140.0	11.0	90.5	-5.0	-2.0	17.0	7.6	153.0	78.0
662	84	8	3.8	31.0	3.0	100.0	120.0	14.0	-5.0	-2.0	-0.5	0.5	6.3	3.0
663	85	1	22.9	518.0	-2.0	88.0	-10.0	96.0	-14.0	-4.0	26.0	10.0	235.0	29.0
664	85	2	19.0	429.0	-1.0	47.0	-5.0	79.4	-17.0	-2.0	31.0	10.0	220.0	-17.0
665	85	3	21.7	372.0	-1.0	59.0	14.0	92.0	-20.0	-4.0	37.0	9.2	168.0	30.0
666	85	4	24.1	447.0	-1.0	39.0	16.0	105.0	-15.0	-5.0	28.0	10.0	205.0	38.0
667	85	5	29.1	825.0	-4.0	140.0	23.0	115.0	-18.0	-6.0	32.0	14.0	434.0	32.0
668	85	6	20.8	406.0	2.0	110.0	-13.0	80.1	-12.0	-5.0	20.0	9.2	206.0	40.0
669	85	7	22.2	426.0	6.0	88.0	-13.0	82.4	-12.0	-5.0	20.0	9.4	217.0	28.0
670	85	8	23.0	430.0	2.0	64.0	-13.0	93.3	-14.0	-5.0	26.0	8.9	195.0	30.0
671	85	9	27.2	503.0	-1.0	120.0	-14.0	107.0	-14.0	-6.0	23.0	10.0	243.0	178.0
672	85	10	3.3	36.0	1.0	37.0	110.0	11.0	-5.0	-2.0	-0.5	-0.5	5.2	1.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
673	B6	1	23.9	536.0	2.0	54.0	19.0	87.3	-16.0	-6.0	30.0	10.0	252.0	36.0
674	B6	2	23.1	574.0	-1.0	58.0	-15.0	88.7	-16.0	-6.0	29.0	10.0	272.0	31.0
675	B6	3	27.4	673.0	-1.0	65.0	18.0	105.0	-16.0	-7.0	28.0	13.0	318.0	35.0
676	B6	4	28.9	647.0	2.0	73.0	-17.0	96.9	-16.0	-7.0	26.0	12.0	325.0	41.0
677	B6	5	23.4	506.0	6.0	110.0	-15.0	88.5	-13.0	-6.0	24.0	10.0	221.0	31.0
678	B6	6	8.7	22.0	1.0	34.0	49.0	29.3	-5.0	-2.0	0.7	0.7	0.7	-1.0
679	B7	1	24.4	643.0	2.0	71.0	-16.0	98.9	-15.0	-6.0	27.0	12.0	286.0	47.0
680	B7	2	28.2	461.0	2.0	120.0	-15.0	89.2	-15.0	-6.0	25.0	8.9	210.0	34.0
681	B7	3	24.2	315.0	2.0	83.0	-13.0	81.5	-12.0	-5.0	20.0	7.4	140.0	33.0
682	B7	4	10.0	13.0	2.0	-20.0	31.0	22.3	-5.0	-2.0	0.6	1.0	0.8	-1.0
683	B8	1	23.4	712.0	-1.0	48.0	24.0	92.1	-18.0	-7.0	33.0	14.0	294.0	38.0
684	B8	2	26.3	565.0	-1.0	300.0	-16.0	96.0	-14.0	-7.0	22.0	11.0	268.0	63.0
685	B8	3	23.0	487.0	5.0	99.0	-15.0	93.1	-13.0	-6.0	22.0	10.0	229.0	39.0
686	B8	4	28.1	696.0	4.0	43.0	-20.0	104.0	-15.0	-8.0	22.0	12.0	346.0	34.0
687	B8	5	27.0	765.0	-1.0	92.0	25.0	100.0	-14.0	-7.0	22.0	12.0	379.0	34.0
688	B8	6	33.6	457.0	2.0	250.0	-17.0	71.0	-12.0	-6.0	14.0	8.2	207.0	33.0
689	B8	7	1.9	32.0	4.0	30.0	80.0	6.4	-5.0	-2.0	1.1	0.6	18.0	2.0
690	B9	1	26.4	628.0	3.0	-36.0	-20.0	108.0	-15.0	-8.0	23.0	12.0	290.0	41.0
691	B9	2	19.0	452.0	2.0	45.0	-13.0	77.2	-13.0	-5.0	21.0	10.0	221.0	27.0
692	B9	3	20.0	428.0	3.0	-29.0	-15.0	92.7	-13.0	-7.0	19.0	9.4	199.0	26.0
693	B9	4	22.6	517.0	3.0	-35.0	-19.0	96.6	-17.0	-8.0	29.0	9.0	247.0	32.0
694	B9	5	22.2	400.0	-3.0	34.0	-16.0	99.2	-13.0	-7.0	21.0	8.7	173.0	17.0
695	B9	6	23.0	433.0	-1.0	91.0	-17.0	101.0	-13.0	-7.0	20.0	9.0	189.0	42.0
696	B9	7	21.7	335.0	4.0	78.0	-14.0	89.1	-10.0	-6.0	17.0	7.3	141.0	29.0
697	B9	8	22.3	324.0	4.0	-26.0	-13.0	90.2	-10.0	-6.0	18.0	7.3	141.0	31.0
698	B9	9	20.6	332.0	3.0	42.0	-17.0	87.4	-11.0	-7.0	15.0	6.6	126.0	36.0
699	B9	10	23.8	292.0	2.0	49.0	-13.0	87.0	-13.0	-6.0	22.0	7.5	132.0	86.0
700	B9	11	8.9	11.0	1.0	62.0	28.0	31.4	-5.0	-2.0	-0.5	0.7	1.8	-1.0
701	B0	1	21.7	504.0	3.0	41.0	-18.0	95.8	-15.0	-7.0	25.0	9.3	226.0	34.0
702	B0	2	21.8	507.0	-3.0	-31.0	-17.0	99.4	-14.0	-7.0	24.0	11.0	216.0	30.0
703	B0	3	24.9	684.0	-4.0	36.0	-19.0	101.0	-16.0	-8.0	28.0	12.0	344.0	69.0
704	B0	4	23.2	503.0	2.0	110.0	-17.0	89.9	-18.0	-7.0	30.0	9.4	235.0	24.0
705	B0	5	22.7	465.0	4.0	100.0	25.0	87.0	-66.0	-9.0	116.0	8.7	205.0	109.0
706	B0	6	22.6	514.0	-1.0	39.0	-20.0	95.7	-29.0	-8.0	49.0	10.0	222.0	32.0
707	B0	7	25.0	326.0	3.0	330.0	-17.0	80.8	-14.0	-7.0	19.0	7.2	138.0	45.0
708	B0	8	22.7	265.0	-3.0	170.0	-19.0	73.1	-35.0	-8.0	59.8	7.6	108.0	45.0
709	B0	9	23.1	492.0	7.0	61.0	-24.0	103.0	-19.0	-10.0	23.0	10.0	221.0	26.0
710	B0	10	22.5	346.0	4.0	180.0	-21.0	80.7	-14.0	-8.0	20.0	7.5	140.0	37.0
711	B0	11	19.0	362.0	5.0	130.0	-17.0	77.6	-14.0	-7.0	20.0	8.9	175.0	38.0
712	B0	12	20.1	428.0	1.0	51.0	-16.0	88.2	-13.0	-6.0	21.0	8.8	197.0	36.0
713	B0	13	21.0	473.0	5.0	-44.0	-25.0	86.3	-20.0	-10.0	28.0	10.0	236.0	42.0
714	B0	14	23.7	433.0	2.0	69.0	-19.0	93.5	-14.0	-7.0	20.0	7.9	197.0	43.0
715	B0	15	4.3	24.0	2.0	26.0	69.0	7.0	-5.0	-2.0	-0.5	0.6	3.2	2.0
716	B1	1	23.9	555.0	-3.0	-32.0	-18.0	95.6	-15.0	-7.0	26.0	10.0	245.0	34.0
717	B1	2	24.6	488.0	-1.0	84.0	-16.0	95.2	-16.0	-6.0	25.0	9.3	215.0	38.0
718	B1	3	23.6	382.0	-3.0	130.0	15.0	87.4	-14.0	-5.0	26.0	9.4	150.0	24.0
719	B1	4	22.9	371.0	-3.0	110.0	-14.0	89.9	-11.0	-5.0	20.0	8.6	135.0	22.0
720	B1	5	22.5	436.0	2.0	52.0	-16.0	92.1	-14.0	-6.0	25.0	8.6	179.0	111.0
721	B1	6	25.2	377.0	-2.0	69.0	15.0	93.5	-5.0	-5.0	16.0	7.5	162.0	25.0
722	B1	7	24.3	410.0	-2.0	69.0	-13.0	84.8	-10.0	-5.0	18.0	7.5	176.0	28.0
723	B1	8	12.0	8.0	-1.0	97.0	30.0	35.2	-5.0	-2.0	-0.5	0.7	0.4	-1.0
724	B2	1	25.5	598.0	-3.0	71.0	-16.0	96.9	-13.0	-6.0	26.0	11.0	258.0	32.0
725	B2	2	25.2	555.0	-3.0	83.0	-15.0	95.9	-12.0	-6.0	22.0	10.0	241.0	39.0
726	B2	3	25.3	504.0	-1.0	110.0	-16.0	91.3	-13.0	-6.0	22.0	9.2	222.0	38.0
727	B2	4	6.1	30.0	5.0	-20.0	35.0	11.0	-5.0	-2.0	1.2	1.6	2.8	-1.0
728	B3	1	25.6	433.0	2.0	110.0	-15.0	92.1	-16.0	-6.0	26.0	8.5	191.0	52.0

Recor	Hole	Samp	FeX	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
729	93	2	24.3	369.0	-1.0	120.0	-13.0	86.2	-11.0	-5.0	22.0	7.7	151.0	43.0
730	93	3	23.3	391.0	-2.0	-23.0	-13.0	103.0	-11.0	-5.0	20.0	7.9	170.0	35.0
731	93	4	24.5	419.0	-3.0	-24.0	-14.0	102.0	-11.0	-5.0	23.0	8.1	200.0	58.0
732	93	5	25.9	456.0	-3.0	29.0	15.0	106.0	-13.0	-5.0	24.0	8.7	212.0	25.0
733	93	6	28.0	436.0	-3.0	30.0	-14.0	104.0	-13.0	-5.0	24.0	7.9	204.0	34.0
734	93	7	6.0	16.0	-1.0	74.0	46.0	20.6	-5.0	-2.0	0.6	0.7	1.3	2.0
735	94	1	23.0	608.0	-3.0	63.0	-16.0	89.5	-14.0	-6.0	23.0	11.0	269.0	27.0
736	94	2	19.0	505.0	-3.0	-25.0	-14.0	75.5	-17.0	-5.0	32.0	10.0	239.0	41.0
737	94	3	21.2	549.0	-3.0	57.0	-14.0	84.1	-12.0	-5.0	23.0	10.0	245.0	30.0
738	94	4	22.4	580.0	-3.0	32.0	-15.0	90.7	-12.0	-6.0	22.0	11.0	256.0	29.0
739	94	5	22.0	532.0	-1.0	37.0	-14.0	85.7	-13.0	-5.0	24.0	10.0	235.0	26.0
740	94	6	21.9	515.0	-3.0	26.0	-14.0	87.4	-12.0	-5.0	21.0	10.0	226.0	40.0
741	94	7	21.8	469.0	-3.0	31.0	-13.0	93.8	-12.0	-5.0	21.0	8.7	196.0	32.0
742	94	8	7.2	11.0	-1.0	90.0	25.0	28.7	-5.0	-2.0	0.6	0.8	0.9	4.0
743	95	1	22.0	571.0	2.0	75.0	-19.0	98.5	-17.0	-7.0	30.0	11.0	259.0	27.0
744	95	2	20.3	561.0	-3.0	56.0	-14.0	89.4	-11.0	-5.0	24.0	10.0	231.0	35.0
745	95	3	21.3	557.0	-3.0	-26.0	-15.0	92.7	-16.0	-6.0	29.0	10.0	240.0	25.0
746	95	4	22.6	510.0	1.0	52.0	-15.0	94.6	-13.0	-6.0	25.0	10.0	219.0	33.0
747	95	5	21.9	464.0	-3.0	41.0	-15.0	90.5	-16.0	-6.0	33.0	10.0	202.0	52.0
748	95	6	8.0	11.0	-1.0	75.0	31.0	23.2	-5.0	-2.0	0.5	0.7	1.0	-1.0
749	96	1	18.0	378.0	-5.0	49.0	-16.0	78.9	-11.0	-7.0	19.0	8.9	178.0	20.0
750	96	2	21.3	392.0	-6.0	130.0	-21.0	88.5	-25.0	-9.0	47.0	8.0	185.0	28.0
751	96	3	19.0	327.0	-6.0	47.0	-18.0	85.6	-14.0	-8.0	21.0	7.3	148.0	40.0
752	96	4	22.2	413.0	-6.0	45.0	-18.0	95.8	-15.0	-8.0	25.0	8.1	188.0	36.0
753	96	5	22.3	420.0	-6.0	70.0	-19.0	92.1	-15.0	-8.0	27.0	8.4	186.0	41.0
754	96	6	22.0	371.0	-6.0	65.0	-17.0	90.6	-14.0	-8.0	20.0	7.5	174.0	35.0
755	96	7	20.0	354.0	-4.0	65.0	-17.0	83.2	-13.0	-8.0	20.0	6.8	130.0	38.0
756	96	8	22.1	342.0	-4.0	44.0	-17.0	90.8	-12.0	-8.0	19.0	7.9	157.0	25.0
757	96	9	23.5	331.0	-4.0	74.0	-18.0	84.8	-14.0	-8.0	18.0	6.8	151.0	30.0
758	96	10	22.8	317.0	-5.0	180.0	-30.0	75.2	-27.0	-12.0	33.0	6.9	154.0	60.0
759	96	11	19.0	256.0	-3.0	63.0	-16.0	69.7	-12.0	-7.0	15.0	5.5	118.0	21.0
760	96	12	23.6	453.0	-5.0	110.0	-19.0	86.9	-13.0	-8.0	20.0	8.3	210.0	24.0
761	96	13	21.0	332.0	-4.0	78.0	-17.0	88.5	-14.0	-7.0	24.0	7.4	132.0	15.0
762	96	14	20.7	270.0	-4.0	38.0	17.0	88.4	-12.0	-7.0	18.0	6.6	116.0	36.0
763	96	15	20.3	266.0	-4.0	110.0	-18.0	75.7	-12.0	-8.0	17.0	6.2	111.0	34.0
764	96	16	21.9	286.0	-4.0	86.0	-17.0	86.7	-11.0	-7.0	15.0	6.5	120.0	22.0
765	96	17	6.9	16.0	-1.0	59.0	32.0	21.1	-5.0	-2.0	0.9	0.8	0.5	-1.0
766	97	1	20.2	493.0	-5.0	54.0	18.0	77.2	-11.0	-7.0	15.0	10.0	142.0	51.0
767	97	2	22.1	402.0	-4.0	-37.0	-20.0	92.1	-15.0	-9.0	27.0	8.3	188.0	39.0
768	97	3	20.2	404.0	-4.0	58.0	-16.0	91.0	-12.0	-7.0	18.0	8.8	178.0	24.0
769	97	4	19.0	358.0	-4.0	68.0	-16.0	81.9	-13.0	-7.0	21.0	8.3	192.0	26.0
770	97	5	21.5	433.0	-5.0	-36.0	29.0	90.8	-20.0	-9.0	36.0	10.0	206.0	24.0
771	97	6	24.9	459.0	-5.0	-39.0	-22.0	97.2	-25.0	-9.0	47.0	9.3	226.0	31.0
772	97	7	24.7	442.0	-5.0	-36.0	-19.0	88.6	-14.0	-8.0	22.0	8.7	206.0	28.0
773	97	8	25.4	383.0	-5.0	110.0	31.0	83.2	-12.0	-8.0	19.0	7.8	190.0	28.0
774	97	9	27.0	431.0	-5.0	74.0	-19.0	91.1	-15.0	-8.0	24.0	8.5	206.0	29.0
775	97	10	28.4	446.0	-5.0	41.0	21.0	98.8	-14.0	-8.0	24.0	9.3	203.0	-14.0
776	97	11	25.6	370.0	-4.0	140.0	18.0	87.8	-12.0	-7.0	19.0	7.4	153.0	21.0
777	97	12	25.5	376.0	-5.0	84.0	-18.0	91.7	-13.0	-8.0	22.0	8.1	163.0	24.0
778	97	13	23.2	338.0	-4.0	82.0	-16.0	85.3	-12.0	-7.0	20.0	8.0	137.0	27.0
779	97	14	23.3	346.0	-4.0	55.0	-16.0	88.5	-13.0	-7.0	20.0	7.2	133.0	22.0
780	97	15	22.7	314.0	-4.0	92.0	-16.0	84.2	-12.0	-7.0	20.0	6.9	123.0	35.0
781	97	17	12.0	15.0	-1.0	58.0	20.0	49.2	-5.0	-4.0	-0.5	1.0	2.1	-2.0
782	98	1	24.8	412.0	-5.0	120.0	-18.0	90.8	-13.0	-8.0	20.0	8.0	179.0	19.0
783	98	2	23.2	358.0	-4.0	98.0	-17.0	91.4	-13.0	-7.0	20.0	7.6	142.0	22.0
784	98	3	23.3	351.0	-4.0	110.0	-17.0	90.8	-12.0	-7.0	20.0	8.1	139.0	13.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
785	98	4	23.0	350.0	-4.0	93.0	-20.0	77.4	-22.0	-8.0	38.0	6.1	155.0	20.0
786	98	5	24.6	377.0	-5.0	79.0	19.0	94.8	-12.0	-8.0	19.0	8.3	161.0	15.0
787	98	6	23.6	342.0	-4.0	96.0	-17.0	89.4	-11.0	-7.0	18.0	7.5	146.0	32.0
788	98	7	23.7	332.0	-4.0	92.0	19.0	87.7	-12.0	-7.0	20.0	8.3	145.0	31.0
789	98	8	26.6	356.0	-5.0	110.0	-20.0	89.5	-15.0	-9.0	21.0	7.6	173.0	37.0
790	98	9	24.8	374.0	-4.0	78.0	21.0	91.4	-13.0	-8.0	20.0	8.1	168.0	-13.0
791	98	10	19.0	284.0	-3.0	100.0	-17.0	73.8	-13.0	-7.0	17.0	7.0	138.0	29.0
792	98	11	23.3	358.0	-3.0	85.0	-19.0	91.3	-15.0	-8.0	23.0	8.0	154.0	18.0
793	98	12	22.7	350.0	-4.0	66.0	30.0	89.3	-16.0	-8.0	22.0	8.0	162.0	68.0
794	98	13	7.3	12.0	-1.0	-20.0	19.0	11.0	-5.0	-2.0	-0.5	0.6	1.5	-1.0
795	99	1	26.1	479.0	-4.0	-50.0	-21.0	119.0	-15.0	-10.0	18.0	10.0	229.0	27.0
796	99	2	22.5	398.0	-4.0	-50.0	-20.0	107.0	-13.0	-9.0	15.0	9.0	180.0	41.0
797	99	3	24.3	397.0	-4.0	54.0	39.0	98.7	-16.0	-9.0	24.0	9.0	160.0	14.0
798	99	4	24.3	447.0	-4.0	-50.0	-21.0	100.0	-15.0	-9.0	19.0	9.0	195.0	30.0
799	99	5	7.7	14.0	-1.0	120.0	34.0	25.6	-5.0	-2.0	0.6	0.6	1.0	-1.0
800	100	1	24.1	404.0	-4.0	80.0	-20.0	103.0	-17.0	-9.0	30.0	9.0	167.0	15.0
801	100	2	24.1	419.0	-4.0	56.0	21.0	99.1	-16.0	-9.0	25.0	8.0	180.0	40.0
802	100	3	25.7	387.0	-4.0	80.0	-20.0	97.8	-15.0	-9.0	23.0	9.0	171.0	25.0
803	100	4	25.0	389.0	-4.0	81.0	-20.0	96.2	-15.0	-9.0	24.0	8.0	170.0	37.0
804	100	5	25.3	376.0	-4.0	130.0	-19.0	99.3	-14.0	-8.0	23.0	9.0	158.0	30.0
805	100	6	24.5	369.0	-4.0	-50.0	-20.0	90.9	-18.0	-8.0	28.0	8.0	157.0	127.0
806	100	7	26.2	457.0	-4.0	92.0	-24.0	97.3	-26.0	-10.0	47.0	8.0	181.0	43.0
807	100	8	25.4	386.0	-4.0	70.0	-20.0	88.9	-15.0	-9.0	24.0	8.0	179.0	28.0
808	100	9	24.1	421.0	-4.0	64.0	-20.0	97.4	-16.0	-9.0	22.0	9.0	179.0	23.0
809	100	10	26.1	390.0	-4.0	130.0	-22.0	93.1	-21.0	-9.0	33.0	8.0	171.0	31.0
810	100	11	23.5	364.0	-4.0	150.0	-20.0	91.9	-17.0	-8.0	23.0	8.0	159.0	26.0
811	100	12	23.9	337.0	-4.0	150.0	-20.0	91.5	-17.0	-9.0	24.0	8.0	151.0	22.0
812	100	13	19.0	295.0	-3.0	130.0	-17.0	75.7	-14.0	-7.0	20.0	7.0	131.0	16.0
813	100	14	19.0	265.0	-3.0	100.0	-15.0	81.2	-11.0	-7.0	14.0	7.0	104.0	24.0
814	100	15	22.3	331.0	-3.0	91.0	-17.0	95.0	-12.0	-8.0	17.0	8.0	134.0	14.0
815	100	16	24.4	348.0	-3.0	110.0	-19.0	98.2	-13.0	-8.0	17.0	8.0	167.0	25.0
816	100	17	23.9	343.0	-3.0	54.0	-17.0	103.0	-13.0	-8.0	19.0	7.0	146.0	14.0
817	100	18	23.4	359.0	-3.0	-50.0	-18.0	101.0	-16.0	-8.0	25.0	8.0	146.0	31.0
818	100	19	5.3	12.0	1.0	65.0	31.0	35.2	-5.0	-2.0	-0.5	1.0	0.8	-1.0
819	101	1	25.4	440.0	-4.0	80.0	-20.0	111.0	-13.0	-9.0	17.0	9.0	194.0	22.0
820	101	2	24.3	387.0	-4.0	-50.0	-19.0	97.4	-13.0	-8.0	20.0	9.0	152.0	27.0
821	101	3	25.0	448.0	-4.0	58.0	-20.0	107.0	-14.0	-9.0	21.0	9.0	171.0	36.0
822	101	4	24.9	409.0	-4.0	59.0	-20.0	106.0	-15.0	-9.0	21.0	10.0	158.0	25.0
823	101	5	25.1	418.0	-4.0	79.0	-20.0	100.0	-13.0	-9.0	22.0	9.0	169.0	44.0
824	101	6	25.5	420.0	-4.0	100.0	28.0	104.0	-14.0	-9.0	21.0	9.0	163.0	-12.0
825	101	7	22.7	318.0	-3.0	130.0	-17.0	92.2	-13.0	-8.0	18.0	8.0	124.0	20.0
826	101	8	21.1	294.0	-3.0	100.0	-16.0	92.3	-12.0	-7.0	18.0	7.0	115.0	19.0
827	101	9	23.7	418.0	-4.0	100.0	-19.0	94.1	-14.0	-9.0	20.0	9.0	142.0	46.0
828	101	10	23.5	347.0	-3.0	130.0	-19.0	95.9	-13.0	-8.0	17.0	9.0	131.0	25.0
829	101	11	22.2	317.0	-3.0	120.0	-17.0	94.1	-12.0	-7.0	16.0	7.0	122.0	-11.0
830	101	12	25.1	392.0	-4.0	95.0	-19.0	106.0	-15.0	-9.0	22.0	8.0	149.0	18.0
831	101	13	22.4	372.0	-4.0	77.0	-19.0	98.7	-15.0	-8.0	20.0	8.0	152.0	15.0
832	101	14	21.9	331.0	-3.0	110.0	-17.0	98.4	-13.0	-8.0	20.0	8.0	125.0	29.0
833	101	15	23.3	378.0	-4.0	-50.0	-19.0	105.0	-15.0	-8.0	18.0	9.0	158.0	21.0
834	101	16	4.5	23.0	1.0	-20.0	55.0	10.0	-5.0	-2.0	1.0	0.9	2.8	-1.0
835	102	1	18.0	579.0	-5.0	44.0	-21.0	79.9	-16.0	-9.0	23.0	13.0	262.0	47.0
836	102	2	25.7	489.0	-4.0	49.0	-21.0	105.0	-18.0	-9.0	28.0	10.0	241.0	42.0
837	102	3	24.4	380.0	-4.0	120.0	-19.0	91.4	-16.0	-8.0	20.0	8.5	161.0	35.0
838	102	4	22.8	418.0	-4.0	-34.0	-18.0	96.5	-13.0	-8.0	20.0	8.4	188.0	24.0
839	102	5	23.2	392.0	-4.0	67.0	-18.0	102.0	-15.0	-8.0	25.0	8.4	157.0	30.0
840	102	6	24.0	371.0	-4.0	100.0	29.0	89.7	-12.0	-7.0	18.0	8.3	153.0	22.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
841	102	7	21.8	408.0	-4.0	130.0	-17.0	91.0	-14.0	-8.0	18.0	8.8	169.0	-15.0
842	102	8	23.0	354.0	-4.0	130.0	21.0	93.6	-17.0	-8.0	29.0	8.0	137.0	33.0
843	102	9	24.3	308.0	-3.0	190.0	20.0	95.3	-13.0	-7.0	16.0	7.0	128.0	33.0
844	102	10	26.2	520.0	-4.0	180.0	-21.0	102.0	-14.0	-9.0	20.0	9.4	240.0	36.0
845	102	11	25.9	363.0	-4.0	140.0	23.0	101.0	-18.0	-9.0	34.0	8.6	143.0	31.0
846	102	12	25.9	346.0	-4.0	130.0	-18.0	101.0	-12.0	-8.0	17.0	7.8	137.0	29.0
847	102	13	25.3	323.0	-4.0	170.0	-18.0	97.6	-15.0	-8.0	25.0	7.4	134.0	20.0
848	102	14	6.2	10.0	1.0	130.0	-5.0	23.3	-5.0	-2.0	0.6	0.7	1.1	-1.0
849	103	1	23.1	385.0	-4.0	71.0	-18.0	95.5	-14.0	-8.0	22.0	8.6	159.0	27.0
850	103	2	24.2	423.0	-4.0	96.0	-19.0	97.0	-15.0	-8.0	24.0	9.2	186.0	26.0
851	103	3	24.2	447.0	-4.0	42.0	-20.0	98.5	-16.0	-8.0	24.0	9.1	195.0	32.0
852	103	4	25.2	483.0	-4.0	97.0	-21.0	103.0	-20.0	-9.0	31.0	8.8	217.0	20.0
853	103	5	22.1	385.0	-4.0	77.0	-20.0	89.9	-19.0	-9.0	28.0	8.6	177.0	28.0
854	103	6	20.3	449.0	-4.0	110.0	-20.0	84.4	-16.0	-8.0	19.0	8.9	181.0	27.0
855	103	7	16.0	273.0	-4.0	-36.0	19.0	67.7	-14.0	-8.0	14.0	6.9	124.0	39.0
856	103	8	17.0	366.0	-4.0	110.0	-21.0	68.4	-14.0	-8.0	15.0	7.6	177.0	-17.0
857	103	9	20.2	357.0	-4.0	69.0	18.0	85.9	-13.0	-7.0	18.0	8.1	155.0	34.0
858	103	10	24.4	314.0	-4.0	77.0	-17.0	88.7	-13.0	-7.0	16.0	7.7	127.0	24.0
859	103	11	25.6	314.0	-4.0	170.0	-17.0	92.7	-13.0	-7.0	22.0	6.5	134.0	-15.0
860	103	12	24.4	300.0	-3.0	140.0	-17.0	92.7	-12.0	-7.0	19.0	7.2	127.0	18.0
861	103	13	25.6	307.0	-3.0	130.0	-16.0	96.4	-12.0	-7.0	17.0	7.0	138.0	22.0
862	103	14	24.2	278.0	-4.0	260.0	-17.0	81.9	-12.0	-7.0	14.0	6.2	115.0	21.0
863	103	15	23.1	288.0	-4.0	160.0	-18.0	82.6	-13.0	-8.0	20.0	6.8	116.0	16.0
864	103	16	24.7	340.0	-4.0	140.0	-17.0	93.9	-13.0	-8.0	18.0	7.8	142.0	28.0
865	103	17	27.4	270.0	-4.0	230.0	-19.0	85.8	-16.0	-8.0	26.0	6.5	106.0	-16.0
866	103	18	12.0	9.0	1.0	98.0	24.0	42.2	-5.0	-2.0	0.6	1.1	0.3	-2.0
867	104	1	22.5	481.0	-4.0	41.0	-18.0	100.0	-14.0	-8.0	22.0	11.0	174.0	39.0
868	104	2	25.1	383.0	-4.0	35.0	19.0	100.0	-16.0	-8.0	24.0	9.0	161.0	42.0
869	104	3	26.4	399.0	-4.0	76.0	-19.0	102.0	-16.0	-8.0	28.0	8.6	165.0	38.0
870	104	4	26.3	388.0	-4.0	72.0	-19.0	100.0	-15.0	-8.0	27.0	9.0	153.0	38.0
871	104	5	24.4	386.0	-4.0	76.0	-19.0	93.9	-16.0	-8.0	25.0	8.9	159.0	20.0
872	104	6	24.3	367.0	-4.0	84.0	19.0	92.2	-14.0	-8.0	23.0	7.2	140.0	44.0
873	104	7	24.0	357.0	-4.0	65.0	-18.0	92.3	-15.0	-8.0	25.0	7.7	151.0	25.0
874	104	8	20.0	313.0	-4.0	66.0	-16.0	80.2	-13.0	-7.0	17.0	8.1	134.0	-16.0
875	104	9	19.0	293.0	-3.0	120.0	-16.0	79.5	-14.0	-7.0	20.0	7.4	146.0	23.0
876	104	10	23.2	435.0	-4.0	49.0	-18.0	98.4	-14.0	-8.0	22.0	9.0	188.0	111.0
877	104	11	18.0	257.0	-4.0	45.0	-16.0	80.2	-11.0	-7.0	15.0	6.7	106.0	-28.0
878	104	12	21.7	322.0	-4.0	77.0	-17.0	95.2	-11.0	-8.0	17.0	7.6	125.0	-29.0
879	104	13	23.9	343.0	-4.0	110.0	24.0	89.7	-12.0	-8.0	18.0	7.7	140.0	-32.0
880	104	14	21.8	283.0	-4.0	130.0	-16.0	88.4	-12.0	-7.0	17.0	7.5	98.3	-29.0
881	104	15	22.0	271.0	-4.0	100.0	-16.0	89.9	-11.0	-7.0	16.0	6.9	96.6	-29.0
882	104	16	23.4	302.0	-5.0	130.0	-21.0	96.4	-12.0	-8.0	16.0	7.6	122.0	1500.0
883	104	17	24.1	214.0	4.0	270.0	-17.0	84.6	-11.0	-7.0	14.0	5.7	76.5	-29.0
884	104	18	27.2	449.0	-5.0	43.0	-21.0	114.0	-14.0	-9.0	19.0	9.2	193.0	-37.0
885	104	19	21.3	395.0	-5.0	140.0	23.0	96.3	-11.0	-8.0	16.0	8.8	164.0	-31.0
886	104	20	6.0	22.0	6.0	160.0	52.0	18.0	-5.0	-2.0	-0.5	0.6	5.5	-1.0
887	105	1	27.8	665.0	-7.0	49.0	-25.0	112.0	-17.0	-11.0	29.0	13.0	285.0	-43.0
888	105	2	23.3	371.0	-5.0	50.0	-18.0	95.1	-12.0	-8.0	19.0	8.6	146.0	-32.0
889	105	3	22.4	360.0	-5.0	91.0	32.0	92.4	-12.0	-8.0	20.0	7.5	132.0	-32.0
890	105	4	25.0	276.0	-4.0	140.0	-18.0	93.2	-12.0	-8.0	19.0	7.6	109.0	-31.0
891	105	5	25.5	322.0	-5.0	110.0	20.0	104.0	-12.0	-8.0	16.0	7.7	129.0	-50.0
892	105	6	24.1	324.0	-5.0	140.0	-19.0	95.9	-14.0	-9.0	24.0	8.1	133.0	-34.0
893	105	7	24.4	294.0	-5.0	150.0	18.0	97.2	-11.0	-8.0	14.0	7.2	133.0	-32.0
894	105	8	24.8	300.0	-5.0	140.0	-18.0	96.6	-11.0	-8.0	16.0	7.2	127.0	-33.0
895	105	9	12.0	8.0	-1.0	69.0	14.0	38.4	-5.0	-4.0	-0.5	1.0	0.8	-2.0
896	106	1	21.4	381.0	-5.0	54.0	26.0	98.4	-12.0	-8.0	19.0	8.5	150.0	-34.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
897	106	2	22.6	464.0	-5.0	52.0	-20.0	98.9	-14.0	-9.0	23.0	10.0	193.0	-36.0
898	106	3	19.0	357.0	-5.0	35.0	-17.0	81.7	-13.0	-8.0	18.0	9.1	164.0	-32.0
899	106	4	22.2	452.0	-5.0	73.0	-19.0	94.3	-15.0	-9.0	24.0	8.8	201.0	-37.0
900	106	5	23.0	424.0	-5.0	80.0	27.0	99.0	-14.0	-9.0	22.0	10.0	183.0	-38.0
901	106	6	22.1	580.0	-7.0	84.0	-25.0	93.5	-16.0	-11.0	21.0	10.0	303.0	-47.0
902	106	7	20.7	451.0	-6.0	65.0	-20.0	89.2	-14.0	-9.0	18.0	9.0	200.0	-39.0
903	106	8	18.0	381.0	-6.0	56.0	-21.0	76.9	-13.0	-9.0	15.0	7.9	169.0	-40.0
904	106	9	25.7	316.0	-5.0	200.0	-19.0	91.8	-12.0	-8.0	19.0	6.8	136.0	-35.0
905	106	10	25.0	349.0	-5.0	130.0	-19.0	97.7	-13.0	-8.0	20.0	7.0	157.0	-36.0
906	106	11	25.6	313.0	-5.0	180.0	-20.0	88.5	-12.0	-8.0	17.0	6.1	140.0	-38.0
907	106	12	24.3	296.0	-5.0	130.0	-18.0	90.2	-11.0	-8.0	16.0	7.0	117.0	-34.0
908	106	13	24.3	333.0	-5.0	110.0	-19.0	96.0	-11.0	-8.0	17.0	7.3	144.0	438.0
909	106	14	20.0	190.0	-3.0	100.0	-14.0	79.2	-5.0	-6.0	13.0	4.4	88.3	79.0
910	106	15	25.0	363.0	-5.0	140.0	-19.0	95.2	-11.0	-8.0	17.0	7.2	157.0	130.0
911	106	16	27.0	355.0	-5.0	170.0	21.0	99.3	-12.0	-9.0	18.0	8.0	148.0	-38.0
912	106	17	27.9	393.0	-6.0	180.0	35.0	100.0	-13.0	-9.0	21.0	8.1	166.0	-40.0
913	106	18	23.9	340.0	-5.0	86.0	-19.0	95.1	-12.0	-8.0	18.0	7.9	148.0	-37.0
914	107	1	25.2	344.0	-5.0	98.0	-18.0	74.6	-12.0	-7.0	14.0	7.4	136.0	-35.0
915	107	2	22.7	517.0	-6.0	49.0	-20.0	102.0	-14.0	-9.0	23.0	10.0	223.0	-49.0
916	107	3	27.2	594.0	-6.0	-42.0	-22.0	110.0	-16.0	-10.0	26.0	12.0	265.0	-46.0
917	107	4	20.0	423.0	-5.0	36.0	-18.0	78.9	-13.0	-8.0	22.0	9.2	207.0	-38.0
918	107	5	23.0	485.0	-6.0	69.0	-21.0	92.3	-15.0	-9.0	23.0	11.0	217.0	-57.0
919	107	6	23.8	524.0	-5.0	64.0	-22.0	89.2	-18.0	-10.0	25.0	10.0	260.0	30.0
920	107	7	23.9	521.0	-5.0	-43.0	31.0	94.4	-19.0	-10.0	26.0	10.0	252.0	30.0
921	107	8	24.4	483.0	-4.0	85.0	-21.0	97.1	-15.0	-9.0	22.0	9.4	217.0	40.0
922	107	9	26.3	501.0	-4.0	93.0	-22.0	101.0	-17.0	-9.0	26.0	10.0	218.0	29.0
923	107	10	26.7	486.0	-4.0	100.0	-22.0	97.9	-17.0	-9.0	23.0	10.0	218.0	-14.0
924	107	11	24.3	449.0	-4.0	70.0	-21.0	96.7	-16.0	-9.0	22.0	8.7	207.0	37.0
925	107	12	25.3	473.0	-4.0	85.0	22.0	102.0	-19.0	-9.0	25.0	9.4	215.0	21.0
926	107	13	24.8	499.0	-4.0	71.0	-23.0	101.0	-17.0	-10.0	26.0	9.2	220.0	26.0
927	107	14	22.9	433.0	-4.0	79.0	-20.0	96.3	-16.0	-9.0	20.0	9.0	194.0	22.0
928	107	15	21.4	397.0	-4.0	61.0	-18.0	101.0	-13.0	-8.0	20.0	9.1	157.0	23.0
929	107	16	24.5	455.0	-4.0	-38.0	-20.0	104.0	-16.0	-9.0	24.0	9.5	198.0	26.0
930	107	17	26.4	437.0	-4.0	110.0	27.0	105.0	-20.0	-10.0	40.0	9.1	194.0	34.0
931	107	18	21.6	369.0	-4.0	95.0	-21.0	86.3	-15.0	-9.0	20.0	7.1	129.0	19.0
932	107	19	22.5	379.0	-4.0	81.0	-19.0	94.1	-13.0	-8.0	16.0	7.7	134.0	16.0
933	107	20	23.6	307.0	-3.0	95.0	-16.0	105.0	-11.0	-7.0	13.0	7.3	118.0	13.0
934	107	21	27.6	401.0	-4.0	150.0	-20.0	105.0	-14.0	-9.0	21.0	8.5	168.0	40.0
935	107	22	25.0	390.0	-4.0	120.0	22.0	100.0	-14.0	-8.0	20.0	8.0	168.0	37.0
936	107	23	6.1	34.0	2.0	100.0	110.0	20.9	-5.0	-2.0	0.6	0.7	7.9	2.0
937	108	1	26.2	428.0	-18.0	160.0	-25.0	79.9	-15.0	-10.0	18.0	7.0	162.0	-990.0
938	108	2	24.3	516.0	-110.0	220.0	-120.0	93.5	-410.0	-41.0	780.0	6.4	146.0	-1.0
939	108	3	19.0	302.0	-3.0	49.0	18.0	77.7	-14.0	-7.0	21.0	7.4	144.0	36.0
940	108	4	24.6	331.0	-3.0	130.0	19.0	94.5	-13.0	-8.0	18.0	7.8	136.0	18.0
941	108	5	22.9	375.0	-3.0	57.0	-18.0	98.9	-16.0	-8.0	25.0	8.5	150.0	20.0
942	108	6	24.0	362.0	-4.0	110.0	-18.0	102.0	-14.0	-8.0	20.0	8.5	162.0	38.0
943	108	7	25.0	376.0	-4.0	61.0	-18.0	101.0	-15.0	-8.0	20.0	7.8	160.0	27.0
944	108	8	26.3	420.0	-5.0	110.0	-23.0	103.0	-15.0	-10.0	23.0	8.2	181.0	24.0
945	108	9	26.3	554.0	-5.0	-46.0	-25.0	116.0	-15.0	-11.0	21.0	10.0	242.0	38.0
946	108	10	24.8	438.0	-4.0	-42.0	-22.0	110.0	-14.0	-10.0	22.0	8.4	189.0	35.0
947	108	11	25.2	524.0	-5.0	-45.0	-25.0	107.0	-16.0	-10.0	22.0	10.0	240.0	-19.0
948	108	12	27.1	476.0	-5.0	110.0	-25.0	108.0	-16.0	-11.0	22.0	10.0	228.0	38.0
949	108	13	23.7	362.0	-5.0	120.0	-24.0	94.1	-14.0	-10.0	15.0	8.0	172.0	25.0
950	108	14	4.9	25.0	1.0	35.0	65.0	16.0	-5.0	-2.0	-0.5	0.5	3.5	-1.0
951	109	1	25.8	419.0	-5.0	61.0	27.0	101.0	-17.0	-10.0	28.0	9.1	177.0	52.0
952	109	2	27.7	446.0	-5.0	110.0	-25.0	100.0	-18.0	-11.0	29.0	8.5	208.0	30.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
953	109	3	25.5	401.0	-5.0	-42.0	-22.0	100.0	-17.0	-10.0	24.0	8.7	172.0	38.0
954	109	4	27.0	376.0	-5.0	-42.0	-22.0	95.1	-17.0	-10.0	28.0	8.1	161.0	22.0
955	109	5	25.2	355.0	-4.0	89.0	-22.0	95.1	-15.0	-10.0	22.0	8.6	148.0	-17.0
956	109	6	23.8	319.0	-4.0	69.0	-22.0	101.0	-14.0	-9.0	22.0	8.7	121.0	33.0
957	109	7	27.8	449.0	-5.0	-45.0	-24.0	111.0	-17.0	-11.0	29.0	10.0	190.0	23.0
958	109	8	25.0	441.0	-5.0	-41.0	-22.0	107.0	-15.0	-10.0	21.0	11.0	189.0	54.0
959	109	9	24.9	471.0	-5.0	52.0	-23.0	109.0	-14.0	-10.0	23.0	10.0	186.0	31.0
960	109	10	23.9	424.0	-5.0	-42.0	-22.0	108.0	-16.0	-10.0	24.0	10.0	173.0	30.0
961	109	11	20.0	320.0	-5.0	65.0	25.0	87.8	-10.0	-5.0	22.0	8.8	142.0	31.0
962	109	12	23.0	350.0	-6.0	92.0	-25.0	97.0	-10.0	-10.0	30.0	8.7	151.0	-32.0
963	109	13	23.0	330.0	-5.0	100.0	-23.0	95.3	-10.0	-5.0	22.0	8.3	137.0	-31.0
964	109	14	23.0	370.0	-5.0	-42.0	26.0	94.7	-10.0	-5.0	20.0	8.2	148.0	-30.0
965	109	15	22.0	340.0	-5.0	110.0	-23.0	96.7	-10.0	-5.0	18.0	8.0	135.0	-30.0
966	109	16	22.0	270.0	-5.0	190.0	-23.0	87.9	-10.0	-5.0	28.0	7.7	102.0	-30.0
967	109	17	23.0	410.0	-6.0	87.0	-23.0	100.0	-10.0	-5.0	16.0	8.5	181.0	-32.0
968	109	18	23.0	400.0	-6.0	85.0	-23.0	98.5	-10.0	-5.0	17.0	8.7	172.0	-32.0
969	109	19	22.0	420.0	-6.0	46.0	-23.0	104.0	-10.0	-5.0	18.0	9.0	175.0	37.0
970	109	20	5.4	35.0	1.0	91.0	120.0	17.0	-5.0	-2.0	0.6	0.7	7.0	-1.0
971	110	1	26.0	606.0	-7.0	-52.0	-28.0	122.0	-10.0	-12.0	20.0	13.0	280.0	-38.0
972	110	2	24.0	460.0	-6.0	93.0	-25.0	109.0	-10.0	-11.0	22.0	10.0	203.0	-36.0
973	110	3	23.0	370.0	-6.0	81.0	-23.0	105.0	-10.0	-10.0	19.0	9.2	151.0	-33.0
974	110	4	20.0	340.0	-6.0	100.0	-24.0	98.7	-10.0	-10.0	18.0	8.6	128.0	-34.0
975	110	5	23.0	390.0	-6.0	94.0	25.0	96.4	-10.0	-10.0	21.0	8.3	157.0	-33.0
976	110	6	21.0	390.0	-6.0	78.0	-23.0	101.0	-10.0	-5.0	21.0	9.5	172.0	42.0
977	110	7	24.0	380.0	-5.0	49.0	-23.0	108.0	-10.0	-5.0	22.0	9.1	159.0	48.0
978	110	8	23.0	450.0	-6.0	-47.0	-25.0	112.0	-10.0	-11.0	24.0	10.0	184.0	-35.0
979	110	9	26.0	509.0	-6.0	-50.0	-27.0	113.0	-21.0	-12.0	34.0	11.0	239.0	-39.0
980	110	10	24.0	460.0	-6.0	99.0	-26.0	102.0	-10.0	-11.0	28.0	9.5	229.0	64.0
981	110	11	21.0	220.0	-5.0	120.0	-10.0	84.2	-10.0	-5.0	15.0	6.5	106.0	-29.0
982	110	12	22.0	320.0	-6.0	70.0	-25.0	88.9	-10.0	-10.0	14.0	7.5	167.0	37.0
983	110	13	5.2	37.0	2.0	81.0	75.0	18.0	-5.0	-2.0	0.8	0.8	8.1	-2.0
984	111	1	23.0	370.0	-6.0	120.0	-24.0	96.5	-10.0	-10.0	21.0	8.2	141.0	43.0
985	111	2	23.0	360.0	-6.0	130.0	-23.0	93.6	-10.0	-5.0	25.0	8.5	139.0	-34.0
986	111	3	25.0	390.0	-6.0	89.0	-25.0	96.7	-10.0	-11.0	25.0	9.3	155.0	-35.0
987	111	4	26.0	410.0	-6.0	86.0	31.0	103.0	-10.0	-11.0	24.0	10.0	163.0	-37.0
988	111	5	23.0	330.0	-6.0	120.0	-23.0	99.4	-10.0	-5.0	24.0	8.2	129.0	70.0
989	111	6	23.0	350.0	-6.0	75.0	-23.0	95.6	-10.0	-5.0	21.0	7.8	136.0	-33.0
990	111	7	24.0	350.0	-6.0	130.0	36.0	101.0	-21.0	-11.0	32.0	8.0	136.0	-36.0
991	111	8	24.0	370.0	-6.0	120.0	-23.0	98.2	-10.0	-5.0	20.0	8.8	141.0	86.0
992	111	9	25.0	340.0	-6.0	120.0	25.0	97.6	-10.0	-5.0	21.0	8.5	139.0	-34.0
993	111	10	24.0	340.0	-6.0	99.0	26.0	99.2	-10.0	-10.0	27.0	8.3	126.0	-35.0
994	111	11	24.0	350.0	-6.0	110.0	-24.0	97.7	-10.0	-5.0	21.0	9.0	149.0	-35.0
995	111	12	3.4	39.0	3.0	67.0	72.0	11.0	-5.0	-2.0	0.6	-0.5	8.0	-2.0
996	112	1	26.0	450.0	-7.0	100.0	-27.0	103.0	-10.0	-11.0	25.0	10.0	213.0	-38.0
997	112	2	23.0	340.0	-6.0	110.0	-24.0	95.8	-10.0	-10.0	22.0	8.2	137.0	65.0
998	112	3	24.0	340.0	-6.0	110.0	26.0	95.7	-24.0	-11.0	39.0	7.4	146.0	-37.0
999	112	4	24.0	350.0	-6.0	88.0	29.0	94.4	-10.0	-10.0	26.0	7.7	143.0	-36.0
1000	112	5	21.0	300.0	-5.0	86.0	-23.0	96.6	-10.0	-5.0	17.0	7.6	109.0	39.0
1001	112	6	21.0	340.0	-6.0	130.0	-23.0	95.2	-10.0	-5.0	20.0	8.3	134.0	-35.0
1002	112	7	5.6	29.0	2.0	120.0	120.0	18.0	-5.0	-2.0	0.7	0.8	8.8	3.0
1003	113	1	19.0	300.0	-5.0	84.0	-22.0	79.6	-10.0	-5.0	25.0	8.7	139.0	72.0
1004	113	2	20.0	330.0	-6.0	-45.0	-24.0	90.9	-10.0	-10.0	25.0	8.4	154.0	55.0
1005	113	3	19.0	335.0	-5.0	68.0	-21.0	83.7	-17.0	-10.0	24.0	9.1	139.0	-20.0
1006	113	4	19.0	314.0	-5.0	77.0	-23.0	90.0	-16.0	-10.0	19.0	7.5	113.0	-22.0
1007	113	5	18.0	301.0	-5.0	64.0	-22.0	93.4	-15.0	-10.0	17.0	7.7	103.0	-21.0
1008	113	6	21.4	318.0	-5.0	120.0	-25.0	87.9	-23.0	-11.0	38.0	7.8	110.0	21.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
1009	113	7	20.2	361.0	-5.0	120.0	-23.0	87.4	-16.0	-10.0	19.0	9.0	125.0	-21.0
1010	113	8	19.0	363.0	-5.0	53.0	-23.0	87.0	-16.0	-10.0	19.0	8.3	128.0	-21.0
1011	113	9	18.0	336.0	-5.0	75.0	-22.0	84.7	-15.0	-10.0	17.0	8.1	123.0	-20.0
1012	113	10	20.8	309.0	-5.0	92.0	24.0	91.0	-20.0	-11.0	28.0	8.1	115.0	-22.0
1013	113	11	20.8	315.0	-5.0	120.0	-22.0	83.4	-14.0	-10.0	17.0	6.6	122.0	-21.0
1014	113	12	25.4	440.0	-6.0	110.0	-28.0	98.1	-18.0	-12.0	18.0	8.5	190.0	44.0
1015	113	13	4.0	27.0	-1.0	31.0	60.0	13.0	-5.0	-2.0	-0.5	0.7	4.8	-1.0
1016	114	1	24.9	387.0	-5.0	80.0	27.0	95.3	-20.0	-11.0	22.0	8.0	159.0	-23.0
1017	114	2	22.0	359.0	-5.0	120.0	-24.0	92.8	-18.0	-11.0	23.0	8.7	149.0	25.0
1018	114	3	22.7	357.0	-5.0	170.0	27.0	91.7	-16.0	-10.0	19.0	7.0	149.0	-22.0
1019	114	4	22.2	362.0	-5.0	200.0	-25.0	89.6	-18.0	-11.0	21.0	8.9	157.0	-23.0
1020	114	5	21.7	445.0	-6.0	160.0	-27.0	89.8	-19.0	-11.0	24.0	8.6	196.0	53.0
1021	114	6	22.5	351.0	-5.0	200.0	-25.0	83.5	-16.0	-11.0	18.0	8.3	158.0	-22.0
1022	114	7	24.8	324.0	-6.0	290.0	-25.0	80.6	-17.0	-11.0	18.0	7.9	137.0	-23.0
1023	114	8	20.0	320.0	-5.0	99.0	-24.0	87.5	-15.0	-11.0	17.0	7.0	128.0	-24.0
1024	114	9	20.0	602.0	-6.0	-52.0	27.0	98.8	-18.0	-12.0	16.0	10.0	288.0	-26.0
1025	114	10	21.8	697.0	-6.0	-51.0	-28.0	90.0	-22.0	-12.0	29.0	13.0	388.0	-26.0
1026	114	11	20.6	622.0	-6.0	-49.0	-26.0	92.4	-17.0	-11.0	21.0	12.0	299.0	-25.0
1027	114	12	25.2	769.0	-7.0	-55.0	-30.0	100.0	-22.0	-12.0	31.0	12.0	395.0	47.0
1028	114	13	26.3	766.0	-7.0	-53.0	-30.0	104.0	-24.0	-12.0	33.0	12.0	379.0	-28.0
1029	114	14	4.4	20.0	2.0	72.0	91.0	15.0	-5.0	-2.0	-0.5	-0.5	4.8	-1.0
1030	114	15	4.7	19.0	1.0	49.0	53.0	16.0	-5.0	-2.0	0.9	0.7	3.8	-1.0
1031	115	1	23.8	373.0	-5.0	120.0	26.0	92.7	-18.0	-10.0	23.0	8.8	155.0	24.0
1032	115	2	24.6	352.0	-5.0	160.0	-24.0	88.9	-16.0	-10.0	20.0	8.0	151.0	134.0
1033	115	3	22.9	326.0	-5.0	150.0	-22.0	85.4	-16.0	-10.0	19.0	7.4	137.0	154.0
1034	115	4	23.6	438.0	-5.0	130.0	-24.0	95.2	-17.0	-10.0	24.0	8.8	183.0	112.0
1035	115	5	23.3	383.0	-5.0	67.0	-24.0	92.8	-17.0	-10.0	22.0	9.3	165.0	119.0
1036	115	6	23.5	431.0	-6.0	120.0	-26.0	100.0	-18.0	-11.0	23.0	11.0	178.0	205.0
1037	115	7	24.8	362.0	-7.0	120.0	-32.0	93.9	-21.0	-14.0	21.0	8.9	155.0	279.0
1038	115	8	22.7	336.0	-5.0	72.0	26.0	90.0	-17.0	-10.0	19.0	7.8	134.0	143.0
1039	115	9	22.8	315.0	-5.0	56.0	-22.0	90.0	-16.0	-10.0	18.0	8.1	126.0	380.0
1040	115	10	22.9	319.0	-5.0	94.0	-25.0	96.0	-20.0	-11.0	29.0	7.7	123.0	189.0
1041	115	11	23.8	323.0	-5.0	87.0	-25.0	91.1	-18.0	-11.0	20.0	7.5	129.0	98.0
1042	115	12	24.4	297.0	-5.0	100.0	-23.0	93.0	-16.0	-10.0	21.0	7.7	112.0	55.0
1043	115	13	22.5	364.0	-6.0	98.0	28.0	97.5	-18.0	-11.0	19.0	9.1	156.0	51.0
1044	115	14	23.0	642.0	-7.0	100.0	-34.0	99.1	-25.0	-15.0	30.0	12.0	308.0	95.0
1045	115	15	25.2	631.0	-8.0	160.0	-34.0	88.2	-25.0	-13.0	36.0	11.0	324.0	1290.0
1046	115	16	20.5	323.0	-8.0	120.0	-42.0	65.4	-28.0	-16.0	36.0	7.5	203.0	2500.0
1047	115	17	25.3	538.0	16.0	270.0	-27.0	71.9	-15.0	-10.0	10.0	6.1	217.0	76.0
1048	115	18	1.8	12.0	3.0	40.0	52.0	6.2	-5.0	-2.0	-0.5	-0.5	3.1	49.0
1049	116	1	17.0	321.0	-4.0	79.0	-20.0	77.2	-15.0	-8.0	19.0	7.6	140.0	24.0
1050	116	2	22.4	268.0	5.0	90.0	19.0	70.7	-12.0	-5.0	16.0	6.5	102.0	24.0
1051	116	3	24.9	336.0	6.0	140.0	-16.0	83.6	-15.0	-7.0	21.0	7.8	148.0	40.0
1052	116	4	20.6	334.0	-1.0	150.0	25.0	79.8	-16.0	-7.0	23.0	7.2	139.0	39.0
1053	116	5	6.6	42.0	2.0	86.0	140.0	20.0	-5.0	-2.0	0.7	0.8	14.0	-2.0
1054	117	1	24.8	354.0	6.0	150.0	-16.0	88.4	-17.0	-7.0	25.0	7.1	161.0	38.0
1055	117	2	22.0	342.0	5.0	160.0	-20.0	80.1	-19.0	-8.0	26.0	7.5	144.0	146.0
1056	117	3	22.7	333.0	5.0	140.0	-13.0	86.8	-12.0	-6.0	17.0	7.5	144.0	39.0
1057	117	4	19.0	372.0	2.0	100.0	-15.0	72.1	-14.0	-6.0	19.0	7.2	198.0	53.0
1058	117	5	24.7	303.0	2.0	120.0	13.0	79.0	-11.0	-5.0	16.0	6.8	125.0	23.0
1059	117	6	6.6	38.0	2.0	100.0	120.0	22.8	-5.0	-4.0	1.0	0.7	9.1	-2.0
1060	118	1	20.0	357.0	3.0	99.0	13.0	85.1	-12.0	-6.0	17.0	7.9	143.0	20.0
1061	118	2	20.4	332.0	2.0	100.0	-13.0	84.7	-12.0	-5.0	19.0	7.6	139.0	22.0
1062	118	3	20.4	355.0	3.0	92.0	-13.0	86.4	-13.0	-6.0	20.0	8.2	148.0	24.0
1063	118	4	22.1	357.0	-1.0	91.0	-14.0	92.7	-14.0	-6.0	23.0	8.6	141.0	30.0
1064	118	5	20.9	342.0	-1.0	84.0	-12.0	84.4	-12.0	-5.0	19.0	7.9	140.0	115.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
1065	118	6	23.1	376.0	4.0	120.0	-14.0	96.4	-14.0	-6.0	21.0	9.1	147.0	35.0
1066	118	7	22.0	369.0	4.0	130.0	22.0	87.8	-14.0	-6.0	22.0	8.1	161.0	18.0
1067	118	8	4.7	28.0	1.0	71.0	96.0	16.0	-5.0	-2.0	0.7	0.6	7.2	-1.0
1068	119	1	20.2	319.0	3.0	92.0	-13.0	84.9	-12.0	-6.0	19.0	6.9	132.0	20.0
1069	119	2	5.4	32.0	2.0	110.0	60.0	17.0	-5.0	-2.0	-0.5	0.8	5.1	-2.0
1070	120	1	22.1	325.0	-1.0	85.0	14.0	80.7	-12.0	-5.0	18.0	7.7	136.0	19.0
1071	120	2	5.6	33.0	1.0	100.0	71.0	17.0	-5.0	-2.0	0.5	0.8	5.5	-1.0
1072	121	1	22.8	371.0	-1.0	170.0	-14.0	93.8	-13.0	-6.0	21.0	8.6	167.0	33.0
1073	121	2	6.7	34.0	1.0	130.0	130.0	22.1	-5.0	-2.0	0.7	0.8	9.0	-1.0
1074	122	1	18.0	308.0	-1.0	130.0	-13.0	74.0	-13.0	-6.0	20.0	8.2	135.0	21.0
1075	122	2	19.0	317.0	3.0	120.0	-13.0	78.7	-12.0	-6.0	18.0	8.3	131.0	-11.0
1076	122	3	22.7	391.0	4.0	92.0	-16.0	83.6	-20.0	-7.0	35.0	8.1	175.0	47.0
1077	122	4	23.8	381.0	6.0	150.0	17.0	84.2	-17.0	-6.0	29.0	8.1	168.0	31.0
1078	122	5	20.0	335.0	4.0	110.0	-12.0	86.8	-12.0	-5.0	19.0	8.1	132.0	13.0
1079	122	6	20.0	266.0	5.0	88.0	-11.0	81.8	-11.0	-5.0	18.0	6.7	105.0	17.0
1080	122	7	19.0	336.0	-1.0	42.0	-12.0	83.7	-13.0	-5.0	20.0	8.3	134.0	11.0
1081	122	8	20.0	289.0	4.0	57.0	17.0	92.2	-11.0	-5.0	17.0	7.5	109.0	43.0
1082	122	9	20.3	313.0	3.0	110.0	-12.0	85.4	-12.0	-5.0	18.0	7.5	126.0	-11.0
1083	122	10	5.0	38.0	2.0	65.0	85.0	16.0	-5.0	-2.0	0.8	-0.5	8.7	-2.0
1084	123	1	19.0	360.0	4.0	90.0	13.0	81.7	-11.0	-5.0	18.0	7.7	140.0	-11.0
1085	123	2	20.1	325.0	5.0	110.0	-12.0	92.9	-12.0	-5.0	21.0	8.3	120.0	-11.0
1086	123	3	18.0	342.0	2.0	90.0	-11.0	83.2	-12.0	-5.0	19.0	7.7	132.0	10.0
1087	123	4	18.0	314.0	4.0	96.0	-13.0	80.8	-11.0	-6.0	17.0	8.1	119.0	-12.0
1088	123	5	20.4	398.0	4.0	59.0	16.0	90.0	-15.0	-7.0	25.0	8.4	170.0	-14.0
1089	123	6	19.0	289.0	4.0	69.0	-13.0	95.4	-11.0	-6.0	18.0	7.0	106.0	17.0
1090	123	7	4.1	21.0	1.0	75.0	41.0	14.0	-5.0	-2.0	-0.5	0.6	3.4	-1.0
1091	124	1	17.0	477.0	-1.0	-29.0	-15.0	84.1	-12.0	-7.0	18.0	10.0	204.0	19.0
1092	124	2	20.0	352.0	3.0	53.0	-15.0	93.0	-14.0	-7.0	23.0	9.2	138.0	20.0
1093	124	3	20.0	331.0	-1.0	61.0	19.0	88.4	-14.0	-6.0	22.0	8.1	137.0	24.0
1094	124	4	19.0	361.0	-1.0	44.0	-15.0	87.5	-14.0	-6.0	23.0	8.8	143.0	-15.0
1095	124	5	16.0	338.0	1.0	50.0	-14.0	71.7	-13.0	-6.0	22.0	8.6	155.0	16.0
1096	124	6	20.6	343.0	1.0	32.0	-17.0	78.7	-13.0	-7.0	19.0	8.7	146.0	-16.0
1097	124	7	16.0	313.0	-6.0	110.0	27.0	75.9	-18.0	-11.0	19.0	8.5	139.0	-27.0
1098	124	8	16.0	338.0	-5.0	-43.0	-22.0	76.1	-16.0	-10.0	17.0	8.3	134.0	-25.0
1099	124	9	17.0	358.0	-5.0	73.0	-22.0	89.1	-16.0	-10.0	17.0	8.6	138.0	-25.0
1100	124	10	18.0	354.0	-5.0	-47.0	-24.0	84.5	-16.0	-11.0	17.0	8.2	136.0	-27.0
1101	124	11	19.0	403.0	-5.0	61.0	-23.0	85.4	-16.0	-10.0	18.0	9.2	158.0	27.0
1102	124	12	17.0	371.0	-5.0	51.0	23.0	84.4	-16.0	-9.0	17.0	8.4	141.0	28.0
1103	124	13	17.0	337.0	-5.0	81.0	-20.0	78.3	-14.0	-9.0	16.0	7.8	127.0	-23.0
1104	124	14	18.0	358.0	-5.0	110.0	-23.0	82.5	-16.0	-10.0	18.0	7.5	138.0	-26.0
1105	124	15	23.2	610.0	-6.0	51.0	-27.0	104.0	-22.0	-12.0	35.0	11.0	279.0	-28.0
1106	124	16	23.9	664.0	-7.0	75.0	-28.0	106.0	-22.0	-12.0	33.0	11.0	317.0	-31.0
1107	124	17	5.0	19.0	2.0	110.0	61.0	14.0	-5.0	-2.0	-0.5	0.7	2.7	6.0
1108	125	1	23.1	475.0	-6.0	97.0	-26.0	94.9	-20.0	-11.0	24.0	9.3	208.0	39.0
1109	125A	1	21.9	490.0	-6.0	110.0	-28.0	99.3	-21.0	-12.0	25.0	10.0	218.0	-31.0
1110	125A	2	21.6	595.0	-6.0	-52.0	35.0	107.0	-20.0	-12.0	31.0	11.0	274.0	-31.0
1111	125A	3	22.3	502.0	-6.0	89.0	-25.0	110.0	-19.0	-12.0	26.0	10.0	243.0	-31.0
1112	126	1	21.6	393.0	-5.0	130.0	-24.0	91.9	-18.0	-11.0	24.0	7.7	163.0	-28.0
1113	126	2	21.8	375.0	-5.0	61.0	26.0	90.8	-19.0	-10.0	24.0	9.0	153.0	35.0
1114	126	3	23.1	324.0	-6.0	100.0	-26.0	96.6	-20.0	-12.0	22.0	7.7	119.0	-31.0
1115	126	4	20.6	303.0	-5.0	110.0	-24.0	87.1	-17.0	-10.0	21.0	8.2	118.0	-28.0
1116	126	5	21.0	260.0	11.0	200.0	-28.0	70.8	-16.0	-11.0	13.0	6.7	98.6	-30.0
1117	126	6	4.4	17.0	2.0	40.0	73.0	14.0	-5.0	-2.0	0.7	0.6	3.2	2.0
1118	127	1	17.0	357.0	-5.0	74.0	-22.0	83.7	-17.0	-10.0	21.0	9.2	165.0	-27.0
1119	127	2	20.5	418.0	-5.0	48.0	-23.0	94.0	-17.0	-10.0	22.0	10.0	188.0	-28.0
1120	127	3	19.0	386.0	-5.0	-43.0	-23.0	90.3	-16.0	-10.0	20.0	8.5	161.0	54.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
1121	127	4	20.5	384.0	-5.0	-43.0	-22.0	91.5	-15.0	-10.0	17.0	8.6	160.0	-26.0
1122	127	5	21.6	383.0	-5.0	120.0	-23.0	97.9	-16.0	-10.0	18.0	8.9	162.0	-27.0
1123	127	6	21.1	377.0	-5.0	79.0	-23.0	92.8	-18.0	-10.0	24.0	8.4	159.0	-28.0
1124	127	7	21.4	408.0	-5.0	120.0	-23.0	92.8	-15.0	-10.0	19.0	8.4	174.0	-28.0
1125	127	8	18.0	328.0	-5.0	86.0	-21.0	84.0	-15.0	-10.0	16.0	8.3	134.0	-26.0
1126	127	9	22.0	417.0	2.0	82.0	-22.0	97.2	-16.0	-10.0	18.0	8.3	172.0	33.0
1127	127	10	21.3	377.0	-5.0	77.0	-22.0	97.4	-15.0	-10.0	18.0	7.8	163.0	-28.0
1128	127	11	20.2	386.0	-6.0	73.0	-25.0	91.9	-16.0	-11.0	16.0	8.3	160.0	-31.0
1129	127	12	22.6	411.0	-5.0	45.0	-23.0	100.0	-15.0	-10.0	18.0	8.0	181.0	32.0
1130	127	13	20.5	377.0	-5.0	90.0	-22.0	95.0	-15.0	-10.0	16.0	8.2	163.0	-28.0
1131	127	14	21.2	412.0	-6.0	140.0	-24.0	93.2	-17.0	-11.0	19.0	8.6	177.0	-30.0
1132	127	15	20.8	351.0	-5.0	89.0	23.0	83.3	-17.0	-10.0	18.0	7.2	154.0	30.0
1133	127	16	22.1	377.0	-6.0	65.0	-25.0	95.9	-20.0	-11.0	29.0	8.0	154.0	-31.0
1134	127	17	21.7	333.0	-5.0	120.0	-24.0	92.8	-17.0	-10.0	21.0	7.9	138.0	-30.0
1135	127	18	21.3	287.0	-5.0	74.0	-25.0	85.6	-18.0	-11.0	24.0	7.5	111.0	-29.0
1136	127	19	23.1	290.0	-6.0	150.0	-25.0	80.8	-18.0	-11.0	22.0	7.4	111.0	45.0
1137	127	20	18.0	244.0	-6.0	120.0	27.0	71.9	-16.0	-11.0	17.0	6.9	101.0	-31.0
1138	127	21	3.1	23.0	1.0	36.0	71.0	10.0	-5.0	-2.0	0.7	-0.5	5.4	-1.0
1139	128	1	21.3	364.0	8.0	170.0	-29.0	77.5	-18.0	-12.0	19.0	8.6	159.0	41.0
1140	128	2	18.0	328.0	-5.0	100.0	-22.0	76.8	-18.0	-10.0	22.0	7.8	152.0	-29.0
1141	128	3	18.0	325.0	2.0	53.0	-21.0	79.3	-16.0	-10.0	20.0	7.7	138.0	-28.0
1142	128	4	20.8	316.0	-5.0	94.0	-22.0	85.9	-17.0	-10.0	24.0	7.5	118.0	-29.0
1143	128	5	17.0	247.0	-5.0	90.0	-20.0	80.8	-15.0	-9.0	18.0	6.6	85.1	-28.0
1144	128	6	20.0	271.0	-5.0	160.0	-20.0	83.5	-13.0	-9.0	16.0	6.6	94.6	-27.0
1145	128	7	20.0	278.0	-5.0	110.0	24.0	83.6	-15.0	-9.0	22.0	7.1	100.0	36.0
1146	128	8	19.0	292.0	-5.0	100.0	-20.0	84.8	-16.0	-9.0	20.0	7.9	104.0	-28.0
1147	128	9	18.0	279.0	-5.0	85.0	-19.0	84.3	-15.0	-9.0	17.0	7.2	93.0	-27.0
1148	128	10	19.0	269.0	-5.0	130.0	-20.0	86.7	-12.0	-9.0	15.0	8.0	93.9	41.0
1149	128	11	20.8	320.0	-5.0	56.0	-20.0	93.2	-15.0	-10.0	18.0	7.1	128.0	-29.0
1150	128	12	20.9	347.0	-5.0	-40.0	-20.0	94.1	-15.0	-9.0	18.0	7.7	146.0	-29.0
1151	128	13	20.0	312.0	-5.0	100.0	-21.0	88.3	-14.0	-9.0	16.0	7.7	129.0	-29.0
1152	128	14	19.0	377.0	-5.0	-41.0	-20.0	98.5	-15.0	-9.0	21.0	8.5	148.0	35.0
1153	128	15	19.0	504.0	-6.0	68.0	-24.0	98.1	-16.0	-11.0	20.0	10.0	193.0	-34.0
1154	128	16	20.8	294.0	-5.0	130.0	-20.0	86.1	-14.0	-9.0	16.0	6.6	107.0	32.0
1155	128	17	4.3	22.0	2.0	90.0	72.0	14.0	-5.0	-2.0	0.7	1.0	5.4	-1.0
1156	129	1	20.1	308.0	-5.0	92.0	-21.0	88.0	-15.0	-10.0	19.0	7.4	111.0	36.0
1157	129	2	19.0	259.0	-5.0	90.0	-21.0	77.2	-14.0	-9.0	16.0	6.8	86.2	-29.0
1158	129	3	20.3	308.0	-5.0	48.0	-21.0	88.0	-14.0	-9.0	17.0	6.6	116.0	-30.0
1159	129	4	20.7	325.0	3.0	89.0	-22.0	94.8	-16.0	-10.0	20.0	7.5	135.0	-32.0
1160	129	5	17.0	347.0	-6.0	91.0	-24.0	78.9	-16.0	-11.0	19.0	8.0	175.0	-35.0
1161	129	6	18.0	357.0	-6.0	120.0	-25.0	87.6	-17.0	-11.0	17.0	7.0	154.0	-37.0
1162	129	7	20.6	358.0	-5.0	120.0	-22.0	92.1	-16.0	-10.0	19.0	8.1	157.0	-33.0
1163	129	8	19.0	299.0	-5.0	49.0	-20.0	93.5	-14.0	-10.0	17.0	7.8	114.0	38.0
1164	129	9	19.0	257.0	-4.0	53.0	21.0	89.5	-13.0	-9.0	16.0	6.8	94.9	-28.0
1165	129	10	23.2	313.0	-6.0	120.0	-25.0	91.4	-16.0	-11.0	18.0	7.5	129.0	47.0
1166	129	11	4.1	19.0	-1.0	69.0	85.0	15.0	-5.0	-2.0	0.5	-0.5	5.0	-1.0
1167	130	1	23.4	394.0	-6.0	110.0	-23.0	94.1	-18.0	-10.0	25.0	8.6	163.0	-33.0
1168	130	2	21.0	422.0	-5.0	71.0	-22.0	91.8	-15.0	-10.0	19.0	8.4	172.0	-33.0
1169	130	3	21.2	425.0	-6.0	51.0	-23.0	91.2	-17.0	-10.0	20.0	9.2	175.0	-34.0
1170	130	4	20.4	380.0	-5.0	53.0	-22.0	91.9	-15.0	-10.0	19.0	8.5	147.0	-33.0
1171	130	5	19.0	339.0	-6.0	-52.0	-27.0	90.0	-19.0	-12.0	22.0	7.5	140.0	-40.0
1172	130	6	17.0	292.0	-5.0	-41.0	-21.0	81.3	-14.0	-10.0	16.0	7.2	98.8	-34.0
1173	130	7	18.0	331.0	-5.0	67.0	22.0	87.8	-15.0	-10.0	20.0	8.5	115.0	-33.0
1174	130	8	19.0	312.0	-5.0	58.0	-19.0	87.6	-14.0	-9.0	18.0	8.1	110.0	-31.0
1175	130	9	18.0	257.0	-5.0	89.0	-23.0	79.0	-15.0	-10.0	16.0	6.7	87.3	-35.0
1176	130	10	22.3	293.0	-5.0	130.0	26.0	85.6	-14.0	-10.0	17.0	7.1	107.0	42.0

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
1177	130	11	4.9	24.0	2.0	57.0	62.0	16.0	-5.0	-2.0	-0.5	-0.5	4.0	-1.0
1178	131	1	20.9	486.0	-6.0	-47.0	-23.0	110.0	-19.0	-11.0	26.0	11.0	198.0	-38.0
1179	131	2	21.0	509.0	-6.0	54.0	-24.0	96.9	-18.0	-11.0	23.0	11.0	206.0	-39.0
1180	131	3	21.7	498.0	4.0	79.0	-26.0	98.1	-18.0	-11.0	25.0	10.0	203.0	-41.0
1181	131	4	15.0	339.0	-6.0	91.0	-27.0	73.7	-18.0	-12.0	20.0	7.0	142.0	-43.0
1182	131	5	18.0	303.0	-5.0	-41.0	-21.0	85.1	-15.0	-9.0	20.0	8.0	112.0	-34.0
1183	131	6	20.2	710.0	-11.0	-100.0	84.0	97.7	-170.0	-24.0	313.0	10.0	249.0	-73.0
1184	131	7	21.1	505.0	-6.0	120.0	-23.0	96.8	-17.0	-10.0	21.0	9.4	203.0	-38.0
1185	131	8	6.9	13.0	3.0	82.0	33.0	30.5	-5.0	-2.0	-0.5	0.9	0.8	-1.0
1186	131	9	8.5	13.0	2.0	130.0	19.0	31.5	-5.0	-2.0	0.6	1.3	0.8	371.0
1187	132	1	21.2	539.0	-5.0	-36.0	-19.0	94.0	-25.0	-8.0	41.0	12.0	227.0	-30.0
1188	132	2	21.3	456.0	-4.0	50.0	-16.0	92.8	-14.0	-7.0	21.0	10.0	194.0	-27.0
1189	132	3	20.4	456.0	-6.0	84.0	-22.0	94.7	-17.0	-10.0	21.0	9.3	194.0	-39.0
1190	132	4	20.9	468.0	-6.0	63.0	-23.0	93.7	-18.0	-10.0	21.0	10.0	195.0	-38.0
1191	132	5	21.4	469.0	-6.0	110.0	-23.0	96.7	-17.0	-10.0	20.0	9.4	203.0	-38.0
1192	132	6	22.1	488.0	-6.0	-44.0	-23.0	100.0	-16.0	-10.0	21.0	9.3	212.0	-39.0
1193	132	7	20.5	439.0	-6.0	-44.0	-23.0	95.6	-18.0	-10.0	23.0	9.0	182.0	-38.0
1194	132	8	7.4	12.0	1.0	33.0	23.0	27.2	-5.0	-2.0	-0.5	0.6	0.8	-1.0
1195	132	9	7.9	15.0	-1.0	69.0	22.0	35.4	-5.0	-2.0	0.6	0.9	1.0	12.0
1196	133	1	20.8	500.0	-4.0	85.0	-13.0	93.3	-13.0	-6.0	22.0	11.0	189.0	-23.0
1197	133	2	9.4	14.0	2.0	110.0	-10.0	34.9	-5.0	-2.0	0.5	1.0	0.9	-2.0

 BURNTBUSH OVERBURDEN DRILLING >>> H M C <<< [87/12/22]

Recor	Hole	Samp	Fe%	La	Mo	Ni	Rb	Sc	Se	Ag	Ta	Tb	Th	W
1	1	1	16.0	291.0	-1.0	-20.0	10.0	68.0	-16.0	-2.0	31.0	7.4	137.0	30.0
2	1	2	18.0	311.0	3.0	41.0	12.0	78.6	-5.0	-2.0	18.0	7.3	140.0	23.0
3	1	3	20.4	333.0	3.0	76.0	10.0	85.3	-13.0	-2.0	23.0	8.0	141.0	17.0
4	1	4	20.0	302.0	5.0	42.0	7.0	82.0	-5.0	-2.0	18.0	7.3	120.0	11.0
5	1	5	21.2	253.0	10.0	160.0	13.0	77.9	-5.0	-2.0	15.0	6.1	94.9	8.0
6	1	6	22.6	310.0	19.0	95.0	12.0	74.9	-5.0	-2.0	15.0	6.6	144.0	12.0
7	1	7	21.2	342.0	8.0	67.0	-5.0	80.0	-5.0	-2.0	15.0	7.5	153.0	7.0
8	1	8	21.5	384.0	6.0	160.0	15.0	82.1	-5.0	-2.0	17.0	8.1	181.0	-4.0
9	1	9	20.0	294.0	10.0	110.0	-5.0	76.2	-5.0	-2.0	14.0	6.5	123.0	10.0
10	1	10	4.6	22.0	1.0	70.0	99.0	13.0	-5.0	-2.0	0.8	-0.5	6.8	1.0
11	2	1	18.0	309.0	3.0	34.0	8.0	79.2	-5.0	-2.0	20.0	7.7	122.0	8.0
12	2	2	20.0	295.0	1.0	78.0	10.0	77.0	-10.0	-2.0	21.0	7.1	116.0	11.0
13	2	3	20.5	313.0	4.0	94.0	10.0	74.8	-10.0	-2.0	21.0	7.4	134.0	22.0
14	2	4	21.5	365.0	30.0	97.0	-5.0	73.2	-12.0	-2.0	24.0	7.3	167.0	22.0
15	2	5	17.0	260.0	7.0	63.0	-5.0	75.2	-5.0	-2.0	16.0	7.0	93.0	6.0
16	2	6	20.3	310.0	4.0	110.0	10.0	74.7	-12.0	-2.0	22.0	7.0	141.0	17.0
17	2	7	21.4	334.0	4.0	93.0	-5.0	76.7	-5.0	-2.0	15.0	7.0	147.0	6.0
18	2	8	28.0	399.0	6.0	140.0	15.0	82.3	-5.0	-2.0	15.0	8.3	195.0	-5.0
19	2	9	24.5	382.0	5.0	150.0	9.0	80.1	-10.0	-2.0	18.0	7.6	182.0	18.0
20	2	10	26.2	431.0	5.0	150.0	12.0	90.1	-11.0	-2.0	19.0	8.6	199.0	-5.0
21	2	11	4.6	29.0	3.0	83.0	97.0	14.0	-5.0	-2.0	0.6	0.5	6.1	1.0
22	3	1	20.0	388.0	1.0	-20.0	-5.0	73.8	-15.0	-2.0	29.0	9.4	201.0	65.0
23	3	2	20.8	408.0	4.0	-20.0	-5.0	81.9	-14.0	-2.0	26.0	9.3	197.0	24.0
24	3	3	20.0	381.0	4.0	24.0	13.0	79.2	-13.0	-2.0	24.0	9.0	178.0	15.0
25	3	4	22.3	352.0	5.0	110.0	13.0	76.4	-16.0	-2.0	29.0	7.8	156.0	17.0
26	3	5	20.0	316.0	3.0	64.0	-5.0	72.0	-10.0	-2.0	19.0	7.6	148.0	17.0
27	3	6	22.4	296.0	4.0	390.0	-5.0	62.0	-14.0	-2.0	25.0	7.1	151.0	18.0
28	3	7	21.5	295.0	6.0	210.0	15.0	74.0	-11.0	-2.0	20.0	7.4	120.0	16.0
29	3	8	4.7	30.0	2.0	70.0	110.0	15.0	-5.0	-2.0	0.7	0.6	7.9	2.0
30	4	1	25.5	443.0	7.0	140.0	9.0	75.0	-16.0	-2.0	29.0	8.2	235.0	42.0
31	4	2	22.2	682.0	2.0	63.0	-11.0	79.4	-25.0	-4.0	45.0	10.0	368.0	18.0
32	4	3	24.6	818.0	3.0	120.0	-12.0	79.1	-27.0	-5.0	48.0	12.0	441.0	23.0
33	4	4	20.5	731.0	2.0	45.0	19.0	77.0	-21.0	-4.0	37.0	11.0	427.0	24.0
34	4	5	5.3	30.0	1.0	99.0	100.0	16.0	-5.0	-2.0	0.6	0.6	7.1	4.0
35	5	1	22.8	340.0	5.0	100.0	-5.0	79.2	-11.0	-2.0	22.0	7.0	157.0	14.0
36	5	2	23.2	327.0	5.0	110.0	-5.0	76.0	-11.0	-2.0	19.0	6.8	155.0	55.0
37	5	3	20.2	342.0	4.0	85.0	-5.0	74.9	-15.0	-2.0	26.0	7.1	145.0	11.0
38	5	4	20.0	301.0	5.0	110.0	11.0	67.5	-5.0	-2.0	19.0	6.7	129.0	16.0
39	5	5	21.1	281.0	7.0	130.0	10.0	70.9	-14.0	-2.0	26.0	6.4	121.0	7.0
40	5	6	20.0	306.0	5.0	91.0	-5.0	80.2	-10.0	-2.0	19.0	7.9	117.0	10.0
41	5	7	5.0	22.0	2.0	72.0	110.0	16.0	-5.0	-2.0	0.7	-0.5	7.9	1.0
42	6	1	24.2	349.0	5.0	160.0	12.0	62.1	-11.0	-2.0	21.0	6.4	155.0	13.0
43	6	2	22.7	274.0	6.0	220.0	11.0	58.4	-10.0	-2.0	19.0	5.5	128.0	44.0
44	6	3	5.4	29.0	2.0	77.0	80.0	19.0	-5.0	-2.0	-0.5	0.6	7.2	-1.0
45	7	1	17.0	374.0	3.0	-20.0	15.0	74.5	-12.0	-2.0	24.0	7.9	151.0	18.0
46	7	2	19.0	416.0	2.0	24.0	-5.0	80.7	-5.0	-2.0	20.0	8.4	177.0	19.0
47	7	3	20.9	385.0	4.0	72.0	-5.0	76.6	-12.0	-2.0	24.0	8.3	171.0	20.0
48	7	4	20.1	336.0	3.0	96.0	12.0	68.6	-13.0	-2.0	21.0	6.7	149.0	8.0
49	7	5	23.4	369.0	4.0	160.0	-5.0	71.3	-13.0	-2.0	23.0	7.6	169.0	23.0
50	7	6	22.1	201.0	7.0	290.0	-5.0	57.9	-11.0	-2.0	20.0	5.0	91.3	45.0
51	7	7	21.7	275.0	9.0	170.0	8.0	62.3	-5.0	-2.0	14.0	6.0	112.0	20.0
52	7	8	4.6	30.0	2.0	65.0	97.0	14.0	-5.0	-2.0	0.5	0.6	6.9	2.0
53	8	1	18.0	379.0	3.0	88.0	10.0	78.4	-5.0	-2.0	18.0	8.4	164.0	7.0
54	8	2	19.0	332.0	3.0	280.0	-5.0	74.0	-5.0	-2.0	17.0	7.6	142.0	5.0
55	8	3	4.9	31.0	3.0	88.0	84.0	16.0	-5.0	-2.0	0.5	-0.5	9.4	1.0
56	9	1	20.6	328.0	2.0	90.0	9.0	72.9	-5.0	-2.0	18.0	7.1	139.0	12.0

Recor	Hole	Samp	U	Yb	In	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
1	1	1	20.0	24.0	-100.0	460.0	0.3	-100.0	53.0	12000.0	-2.0	4.0	53.2
2	1	2	18.0	27.0	120.0	547.0	0.3	-100.0	34.0	12000.0	2.4	4.6	55.1
3	1	3	20.1	31.0	110.0	573.0	0.3	220.0	22.0	13000.0	-2.0	5.2	58.2
4	1	4	18.0	29.0	170.0	548.0	0.3	190.0	42.0	12000.0	-2.0	4.9	56.1
5	1	5	14.0	25.0	100.0	480.0	0.3	160.0	-10.0	8700.0	-2.0	4.2	49.8
6	1	6	15.0	26.0	150.0	538.0	0.3	130.0	30.0	9600.0	2.3	4.3	49.7
7	1	7	18.0	28.0	140.0	568.0	0.2	190.0	20.0	10000.0	-2.0	4.9	56.0
8	1	8	20.0	29.0	140.0	645.0	0.2	130.0	44.0	12000.0	-2.0	5.2	63.3
9	1	9	15.0	26.0	150.0	516.0	0.3	170.0	22.0	9200.0	-2.0	4.3	51.2
10	1	10	1.7	-2.0	-100.0	37.0	2.6	-100.0	-10.0	280.0	-2.0	-0.2	3.0
11	2	1	19.0	28.0	-100.0	532.0	0.2	110.0	22.0	13000.0	2.0	4.9	57.3
12	2	2	19.0	27.0	-100.0	490.0	0.3	110.0	23.0	11000.0	-2.0	4.7	53.5
13	2	3	19.0	27.0	110.0	516.0	0.3	140.0	-10.0	12000.0	-2.0	4.7	54.0
14	2	4	20.3	27.0	-100.0	576.0	0.3	110.0	27.0	12000.0	2.4	4.9	58.3
15	2	5	17.0	23.0	110.0	490.0	0.4	120.0	-10.0	11000.0	-2.0	3.9	54.1
16	2	6	19.0	28.0	120.0	532.0	0.3	150.0	-10.0	11000.0	-2.0	4.6	55.8
17	2	7	16.0	27.0	130.0	559.0	0.2	110.0	-10.0	9600.0	-2.0	4.6	55.0
18	2	8	19.0	32.0	200.0	684.0	0.2	-100.0	-25.0	10000.0	2.8	5.5	64.2
19	2	9	19.0	29.0	180.0	641.0	0.2	110.0	25.0	11000.0	-2.0	5.0	58.4
20	2	10	21.0	37.0	180.0	771.0	0.2	300.0	-26.0	12000.0	-2.0	6.0	70.0
21	2	11	1.6	-2.0	130.0	50.0	2.4	-100.0	-10.0	250.0	-2.0	0.2	3.6
22	3	1	24.0	30.0	-100.0	623.0	0.3	240.0	23.0	16000.0	3.8	4.9	67.5
23	3	2	24.6	32.0	-100.0	702.0	0.2	210.0	38.0	16000.0	-2.0	5.4	72.7
24	3	3	23.8	32.0	120.0	673.0	0.2	140.0	27.0	16000.0	2.2	5.3	68.4
25	3	4	22.9	29.0	-100.0	590.0	0.3	200.0	26.0	15000.0	-2.0	5.1	60.3
26	3	5	20.2	27.0	-100.0	557.0	0.4	200.0	-10.0	12000.0	-2.0	4.6	58.9
27	3	6	20.1	22.0	120.0	510.0	0.3	120.0	-22.0	12000.0	5.0	3.9	57.9
28	3	7	20.2	26.0	140.0	529.0	0.4	210.0	27.0	13000.0	3.9	4.5	56.7
29	3	8	2.0	-2.0	170.0	51.0	2.7	-100.0	-10.0	360.0	-2.0	0.3	3.6
30	4	1	20.0	31.0	-100.0	723.0	0.3	240.0	-10.0	7900.0	2.1	5.0	68.3
31	4	2	24.7	39.0	-100.0	1060.0	0.3	210.0	33.0	10000.0	2.4	6.1	93.2
32	4	3	29.1	39.0	-100.0	1280.0	0.3	160.0	55.0	9500.0	5.6	6.6	104.0
33	4	4	32.3	37.0	110.0	1120.0	0.3	350.0	48.0	11000.0	7.8	6.2	97.5
34	4	5	1.8	-2.0	120.0	58.0	2.0	-100.0	-10.0	240.0	-2.0	0.2	3.7
35	5	1	17.0	30.0	110.0	574.0	0.2	-100.0	-10.0	8200.0	2.6	4.9	55.8
36	5	2	20.0	29.0	170.0	560.0	0.2	130.0	29.0	10000.0	4.4	5.0	55.1
37	5	3	20.1	26.0	110.0	560.0	0.2	150.0	29.0	13000.0	-2.0	4.7	53.0
38	5	4	16.0	24.0	340.0	490.0	0.3	160.0	22.0	9000.0	3.9	4.1	47.5
39	5	5	15.0	25.0	160.0	480.0	0.4	110.0	21.0	8800.0	2.5	4.2	47.9
40	5	6	19.0	30.0	160.0	566.0	0.2	180.0	-21.0	12000.0	3.4	5.0	57.0
41	5	7	2.1	-2.0	150.0	38.0	2.0	-100.0	-10.0	-200.0	-2.0	0.2	2.8
42	6	1	15.0	24.0	-100.0	554.0	0.3	-100.0	-10.0	3700.0	2.8	4.0	52.9
43	6	2	11.0	22.0	-100.0	460.0	0.3	130.0	-22.0	3200.0	3.8	3.5	44.0
44	6	3	2.0	-2.0	150.0	50.0	2.9	-100.0	-10.0	-200.0	-2.0	0.2	3.6
45	7	1	20.6	29.0	140.0	601.0	0.3	-100.0	28.0	15000.0	3.2	5.0	56.3
46	7	2	24.1	31.0	150.0	671.0	0.3	160.0	36.0	17000.0	4.2	5.4	65.0
47	7	3	22.1	31.0	110.0	642.0	0.2	150.0	-21.0	15000.0	2.2	5.2	66.0
48	7	4	18.0	25.0	110.0	547.0	0.3	-100.0	23.0	12000.0	4.6	4.5	51.4
49	7	5	21.2	27.0	130.0	580.0	0.3	190.0	-10.0	13000.0	2.9	4.6	55.7
50	7	6	15.0	18.0	130.0	330.0	0.3	110.0	29.0	3300.0	2.5	3.0	37.4
51	7	7	13.0	22.0	150.0	440.0	0.3	-100.0	-10.0	7600.0	3.1	3.6	41.8
52	7	8	2.0	-2.0	-100.0	54.0	3.1	-100.0	-10.0	310.0	-2.0	0.3	3.7
53	8	1	22.1	28.0	130.0	618.0	0.2	190.0	21.0	11000.0	3.1	4.6	59.2
54	8	2	19.0	27.0	140.0	557.0	0.3	180.0	21.0	8900.0	4.7	4.3	52.3
55	8	3	2.5	-2.0	-100.0	54.0	2.1	-100.0	-10.0	-200.0	-2.0	0.2	3.6
56	9	1	18.0	27.0	160.0	524.0	0.4	160.0	24.0	11000.0	2.8	4.6	51.1

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
57	9	2	20.2	28.0	150.0	568.0	0.4	160.0	-10.0	12000.0	2.3	4.8	57.6
58	9	3	21.1	27.0	110.0	573.0	0.3	170.0	33.0	13000.0	2.4	4.8	57.4
59	9	4	19.0	27.0	-100.0	530.0	0.4	110.0	20.0	12000.0	3.7	4.6	53.1
60	9	5	17.0	25.0	150.0	490.0	0.2	-100.0	23.0	11000.0	-2.0	4.4	49.8
61	9	6	16.0	25.0	140.0	480.0	0.4	130.0	32.0	10000.0	-2.0	4.4	48.5
62	9	7	18.0	27.0	120.0	490.0	0.3	170.0	21.0	10000.0	2.6	4.5	48.5
63	9	8	18.0	30.0	170.0	565.0	0.3	180.0	-20.0	13000.0	-2.0	5.0	53.1
64	9	9	19.0	30.0	150.0	515.0	0.3	200.0	28.0	13000.0	4.9	4.9	44.9
65	9	10	15.0	27.0	150.0	480.0	0.3	160.0	37.0	11000.0	4.6	4.4	44.7
66	9	11	2.1	-2.0	-100.0	48.0	3.3	-100.0	-10.0	610.0	-2.0	0.3	3.7
67	10	1	21.5	30.0	120.0	608.0	0.4	200.0	30.0	14000.0	-2.0	4.9	56.3
68	10	2	29.8	27.0	-100.0	681.0	0.3	270.0	-35.0	17000.0	4.7	5.1	68.2
69	10	3	29.9	32.0	210.0	673.0	0.3	-100.0	51.0	16000.0	3.9	5.6	64.2
70	10	4	26.4	33.0	150.0	815.0	0.3	330.0	-30.0	17000.0	3.4	5.7	74.9
71	10	5	1.5	-2.0	-100.0	111.0	2.8	-100.0	-10.0	440.0	-2.0	0.3	9.0
72	11	1	22.4	32.0	-100.0	756.0	0.3	-100.0	-29.0	14000.0	3.5	5.7	70.1
73	11	2	2.0	-2.0	160.0	53.0	3.0	-100.0	-10.0	-200.0	-2.0	0.3	4.0
74	12	1	20.9	29.0	-100.0	673.0	0.2	230.0	-28.0	12000.0	2.7	5.2	63.6
75	12	2	24.4	29.0	110.0	690.0	0.4	180.0	46.0	14000.0	-2.0	5.1	66.1
76	12	3	24.3	30.0	-100.0	706.0	0.3	160.0	32.0	15000.0	4.0	5.4	68.5
77	12	4	22.6	29.0	-100.0	648.0	0.5	-100.0	-25.0	14000.0	4.2	4.9	63.3
78	12	5	26.3	34.0	150.0	815.0	0.4	200.0	47.0	16000.0	2.6	6.0	75.7
79	12	6	29.1	37.0	150.0	844.0	0.5	270.0	-32.0	20000.0	4.6	6.3	77.1
80	12	7	28.7	33.0	180.0	800.0	0.4	-100.0	-33.0	18000.0	5.2	6.0	75.8
81	12	8	21.7	30.0	160.0	597.0	0.3	180.0	35.0	14000.0	-2.0	5.1	60.2
82	12	9	28.1	36.0	-100.0	1010.0	0.3	200.0	-31.0	10000.0	4.9	6.0	89.2
83	12	10	23.1	34.0	-100.0	903.0	0.3	260.0	-28.0	11000.0	2.9	6.0	79.3
84	12	11	22.6	25.0	100.0	836.0	0.5	240.0	-24.0	14000.0	3.5	4.7	74.7
85	12	12	23.5	42.0	-100.0	1230.0	0.5	-290.0	51.0	5400.0	-8.6	6.8	116.0
86	12	13	31.1	45.0	-100.0	1260.0	0.3	260.0	-40.0	7800.0	3.3	7.2	114.0
87	12	14	23.6	49.0	-100.0	1390.0	0.3	-230.0	-46.0	5500.0	4.6	7.8	102.0
88	12	15	36.1	53.0	-100.0	2030.0	-0.3	280.0	-46.0	9900.0	4.5	8.3	172.0
89	12	16	32.3	42.0	-100.0	1560.0	0.3	250.0	56.0	9400.0	-2.0	7.4	139.0
90	12	17	25.2	50.0	-100.0	1420.0	0.4	250.0	-37.0	7500.0	5.1	8.0	118.0
91	12	18	16.0	35.0	190.0	937.0	0.3	-100.0	-29.0	6500.0	3.4	5.7	82.9
92	12	19	14.0	44.0	-100.0	906.0	0.4	400.0	-41.0	4900.0	6.5	7.5	76.6
93	12	20	0.9	-2.0	130.0	35.0	3.1	-100.0	-10.0	-200.0	-2.0	0.2	2.9
94	13	1	24.4	39.0	-100.0	911.0	0.3	410.0	36.0	11000.0	5.2	6.3	85.8
95	13	2	24.2	39.0	-100.0	836.0	0.3	-100.0	63.0	13000.0	2.9	6.3	77.5
96	13	3	23.7	34.0	-100.0	756.0	0.4	210.0	37.0	16000.0	2.7	5.8	75.2
97	13	4	1.8	-2.0	-100.0	62.0	3.0	-100.0	-10.0	-200.0	-2.0	0.3	3.8
98	14	1	28.9	37.0	150.0	885.0	0.3	320.0	-31.0	17000.0	2.8	6.4	83.2
99	14	2	28.5	36.0	-100.0	828.0	0.3	320.0	-29.0	17000.0	4.7	6.3	78.8
100	14	3	1.9	-2.0	130.0	54.0	3.3	-100.0	-10.0	290.0	-2.0	-0.2	3.8
101	15	1	25.8	32.0	180.0	687.0	0.4	-100.0	37.0	12000.0	3.7	5.6	68.4
102	15	2	2.0	-2.0	-100.0	65.0	2.3	-100.0	-10.0	-200.0	-2.0	0.3	4.2
103	16	1	22.8	34.0	140.0	788.0	0.3	240.0	-26.0	14000.0	-2.0	6.0	77.6
104	16	2	23.9	35.0	140.0	836.0	0.4	280.0	-29.0	14000.0	3.5	5.9	78.8
105	16	3	25.7	37.0	170.0	873.0	0.3	190.0	-28.0	15000.0	3.6	6.3	83.1
106	16	4	28.3	38.0	200.0	883.0	0.3	280.0	-32.0	17000.0	5.0	6.7	82.8
107	16	5	19.0	40.0	110.0	736.0	0.3	-100.0	-26.0	11000.0	4.0	6.7	69.6
108	16	6	20.9	52.0	-100.0	1030.0	0.3	-100.0	-29.0	11000.0	-2.0	8.8	91.8
109	16	7	1.9	-2.0	150.0	40.0	2.0	-100.0	-10.0	-200.0	-2.0	-0.2	4.3
110	17	1	23.2	35.0	240.0	720.0	0.6	-100.0	-33.0	16000.0	3.2	6.6	68.9
111	17	2	21.1	33.0	130.0	642.0	0.5	-100.0	-30.0	15000.0	5.9	5.7	64.6
112	17	3	24.0	32.0	150.0	776.0	0.4	-100.0	-33.0	17000.0	3.6	6.0	74.1

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sa
113	17	4	22.5	28.0	160.0	586.0	0.3	300.0	-27.0	14000.0	2.7	4.6	67.1
114	17	5	19.0	24.0	140.0	542.0	0.4	-100.0	40.0	13000.0	-2.0	4.4	57.0
115	17	6	24.0	31.0	160.0	631.0	0.3	-100.0	-34.0	17000.0	4.2	5.3	64.5
116	17	7	21.6	28.0	-100.0	621.0	0.4	-100.0	-28.0	15000.0	2.1	4.9	62.2
117	17	8	25.3	32.0	150.0	692.0	0.2	250.0	-29.0	17000.0	2.5	5.7	65.8
118	17	9	22.6	31.0	120.0	629.0	0.3	190.0	-25.0	16000.0	2.1	5.4	60.4
119	17	10	22.5	34.0	150.0	680.0	0.3	210.0	47.0	15000.0	-2.0	5.7	66.2
120	17	11	24.1	31.0	-100.0	772.0	0.3	240.0	-29.0	16000.0	3.2	5.6	70.4
121	17	12	24.2	35.0	200.0	754.0	0.3	210.0	40.0	18000.0	3.8	5.7	67.9
122	17	13	21.6	33.0	-100.0	739.0	0.4	230.0	33.0	15000.0	3.0	5.6	66.2
123	17	14	17.0	29.0	150.0	770.0	0.3	-100.0	-27.0	12000.0	3.6	5.0	63.7
124	17	15	10.0	20.0	180.0	440.0	-0.1	-100.0	-27.0	7500.0	4.9	3.2	38.6
125	17	16	17.0	32.0	180.0	663.0	-0.2	-100.0	-29.0	12000.0	-2.0	5.0	57.6
126	17	17	23.9	36.0	210.0	944.0	0.3	-210.0	-35.0	16000.0	4.0	6.0	79.6
127	17	18	24.4	35.0	180.0	906.0	0.4	-100.0	-31.0	16000.0	3.8	5.8	79.1
128	17	19	28.5	40.0	-100.0	995.0	-0.3	-240.0	-41.0	21700.0	3.0	6.4	81.7
129	17	20	24.4	39.0	200.0	809.0	0.4	210.0	-31.0	17000.0	4.5	6.2	69.9
130	17	21	1.9	-2.0	120.0	41.0	2.3	-100.0	-10.0	-200.0	-2.0	0.2	3.6
131	18	1	21.1	33.0	150.0	755.0	-0.2	-100.0	-32.0	13000.0	-2.0	5.3	67.4
132	18	2	23.3	38.0	240.0	818.0	0.3	-220.0	60.0	14000.0	6.1	6.3	72.2
133	18	3	24.8	34.0	-100.0	837.0	0.4	-100.0	-36.0	16000.0	4.3	6.2	75.7
134	18	4	27.9	43.0	-100.0	1500.0	0.3	290.0	-39.0	12000.0	5.8	7.6	119.0
135	18	5	19.0	29.0	-100.0	932.0	-0.2	-200.0	-34.0	8400.0	5.3	5.3	84.3
136	18	6	1.6	-2.0	110.0	89.0	2.8	-100.0	-10.0	-200.0	-2.0	-0.2	7.9
137	19	1	23.6	34.0	-100.0	769.0	-0.2	410.0	-37.0	14000.0	3.0	5.6	70.5
138	19	2	23.6	33.0	170.0	775.0	-0.2	200.0	45.0	13000.0	5.3	5.7	68.5
139	19	3	18.0	31.0	150.0	644.0	0.2	-100.0	50.0	12000.0	7.5	5.4	58.7
140	19	4	21.4	36.0	-100.0	968.0	0.3	230.0	-29.0	13000.0	4.7	6.3	84.9
141	19	5	21.4	34.0	150.0	831.0	-0.2	230.0	35.0	14000.0	2.9	5.8	73.2
142	19	6	18.0	38.0	-100.0	820.0	0.2	190.0	-29.0	12000.0	4.7	6.2	68.1
143	19	7	1.9	-2.0	140.0	49.0	2.7	-100.0	-10.0	480.0	-2.0	0.3	4.9
144	20	1	15.0	28.0	100.0	686.0	0.3	-100.0	-27.0	6500.0	2.7	5.0	65.2
145	20	2	14.0	32.0	-100.0	673.0	-0.2	240.0	-27.0	6200.0	5.7	5.2	68.6
146	20	3	16.0	32.0	100.0	697.0	0.2	210.0	-24.0	6000.0	2.4	5.2	67.9
147	20	4	29.4	35.0	120.0	791.0	-0.2	240.0	42.0	9100.0	3.2	6.1	74.5
148	20	5	23.7	34.0	130.0	861.0	-0.2	-100.0	57.0	10000.0	6.2	6.2	83.5
149	20	6	23.9	32.0	-100.0	746.0	0.4	-100.0	-28.0	15000.0	2.8	5.9	71.6
150	20	7	24.7	32.0	-100.0	748.0	0.3	190.0	-27.0	15000.0	-2.0	5.9	72.3
151	20	8	21.5	33.0	180.0	668.0	0.5	240.0	-31.0	15000.0	2.4	5.5	62.2
152	20	9	25.2	36.0	160.0	723.0	0.2	340.0	-29.0	18000.0	5.8	6.1	67.1
153	20	10	20.0	31.0	-100.0	607.0	0.2	-100.0	-28.0	14000.0	4.3	5.4	58.7
154	20	11	20.6	37.0	120.0	804.0	0.4	280.0	-35.0	13000.0	4.4	5.9	73.1
155	20	12	23.2	35.0	170.0	1070.0	0.4	300.0	-36.0	11000.0	3.6	6.1	96.1
156	20	13	24.4	30.0	220.0	929.0	-0.2	360.0	42.0	9900.0	3.6	5.0	97.9
157	20	14	20.0	24.0	-100.0	822.0	0.3	160.0	-29.0	10000.0	3.6	4.3	92.6
158	20	15	18.0	28.0	170.0	859.0	0.3	-100.0	-33.0	8100.0	3.8	4.9	82.8
159	20	16	1.6	-2.0	150.0	51.0	2.5	-100.0	-10.0	-200.0	-2.0	0.2	4.3
160	21	1	26.0	28.0	130.0	790.0	0.2	-100.0	-29.0	16000.0	-2.0	5.2	81.1
161	21	2	23.6	33.0	-100.0	815.0	0.3	220.0	46.0	13000.0	-2.0	5.5	78.8
162	21	3	21.2	31.0	-100.0	690.0	0.3	190.0	37.0	13000.0	-2.0	5.2	66.4
163	21	4	20.3	31.0	140.0	647.0	0.3	-100.0	-27.0	13000.0	-2.0	5.2	62.4
164	21	5	20.8	31.0	170.0	681.0	0.3	220.0	-28.0	13000.0	-2.0	5.3	63.5
165	21	6	21.5	31.0	140.0	655.0	0.3	-100.0	-26.0	12000.0	-2.0	5.5	63.9
166	21	7	20.8	31.0	190.0	633.0	0.3	-100.0	55.0	12000.0	-2.0	5.0	61.0
167	21	8	16.0	24.0	-100.0	535.0	0.6	190.0	-25.0	9800.0	-2.0	4.2	54.8
168	21	9	21.6	32.0	120.0	720.0	0.3	-100.0	44.0	13000.0	-2.0	5.6	68.1

Recor	Hole	Samp	U	Yb	Zn	Ce	NaX	Sn	Te	Zr	Br	Lu	Sm
169	21	10	23.2	31.0	120.0	697.0	0.3	210.0	-26.0	15000.0	-2.0	5.3	68.5
170	21	11	25.0	37.0	-100.0	783.0	0.3	200.0	-34.0	16000.0	-2.0	6.2	73.9
171	21	12	28.5	55.0	-100.0	944.0	0.3	450.0	-37.0	17000.0	-2.0	9.2	83.1
172	21	13	25.3	33.0	180.0	762.0	0.2	250.0	-32.0	13000.0	-2.0	5.7	72.4
173	21	14	26.7	41.0	-100.0	1120.0	0.3	240.0	-34.0	17000.0	-2.0	6.5	98.8
174	21	15	25.7	42.0	-100.0	1350.0	0.3	280.0	62.0	13000.0	2.2	6.8	116.0
175	21	16	38.8	56.0	-100.0	2340.0	-0.2	590.0	78.0	9200.0	-2.0	9.4	225.0
176	21	17	19.0	51.0	-100.0	1170.0	0.2	-210.0	-34.0	9500.0	-2.0	8.2	95.4
177	21	18	0.9	-2.0	-100.0	280.0	2.6	-100.0	-10.0	-200.0	-2.0	0.3	18.0
178	22	1	29.4	37.0	200.0	1040.0	0.3	-200.0	46.0	17000.0	-2.0	6.6	95.7
179	22	2	36.7	39.0	150.0	1100.0	0.2	250.0	48.0	21800.0	-2.0	6.9	99.0
180	22	3	30.3	29.0	-100.0	820.0	0.3	320.0	-37.0	19000.0	-2.0	5.4	82.1
181	22	4	25.1	32.0	120.0	698.0	0.3	200.0	41.0	17000.0	-2.0	5.5	70.0
182	22	5	1.8	-2.0	140.0	56.0	2.7	-100.0	-10.0	210.0	-2.0	0.2	4.8
183	23	1	22.1	32.0	120.0	719.0	0.2	-100.0	-28.0	16000.0	-2.0	5.7	66.0
184	23	2	21.7	34.0	130.0	678.0	0.3	180.0	38.0	14000.0	-2.0	5.6	64.1
185	23	3	21.2	34.0	-100.0	646.0	0.3	-100.0	-28.0	14000.0	2.8	5.8	59.9
186	23	4	22.4	33.0	130.0	720.0	0.3	200.0	-29.0	15000.0	-2.0	6.1	65.3
187	23	5	17.0	32.0	-100.0	636.0	0.3	220.0	-31.0	11000.0	-2.0	5.3	57.7
188	23	6	18.0	31.0	200.0	583.0	0.3	230.0	-27.0	13000.0	-2.0	5.2	56.8
189	23	7	19.0	35.0	-100.0	665.0	0.3	-210.0	-34.0	14000.0	-2.0	5.6	60.4
190	23	8	19.0	31.0	-100.0	650.0	0.2	210.0	45.0	13000.0	-2.0	5.6	58.1
191	23	9	19.0	32.0	-100.0	661.0	0.3	-100.0	-30.0	13000.0	-2.0	5.4	59.8
192	23	10	18.0	34.0	-100.0	794.0	0.3	-100.0	-31.0	12000.0	-2.0	5.9	66.3
193	23	11	22.8	39.0	160.0	941.0	0.3	-210.0	-34.0	15000.0	-2.0	6.4	76.9
194	23	12	21.6	27.0	-100.0	1100.0	0.3	-100.0	-31.0	7200.0	3.9	5.0	100.0
195	23	13	2.1	-2.0	290.0	59.0	2.8	-100.0	-10.0	270.0	-2.0	-0.2	5.2
196	24	1	13.0	29.0	-100.0	490.0	0.3	160.0	-24.0	9400.0	-2.0	5.0	45.0
197	24	2	24.0	37.0	200.0	798.0	0.3	230.0	-36.0	17000.0	-2.0	6.3	73.3
198	24	3	24.0	37.0	140.0	822.0	0.3	190.0	35.0	17000.0	-2.0	6.3	74.9
199	24	4	26.7	38.0	-100.0	885.0	-0.1	220.0	40.0	17000.0	-2.0	6.3	82.1
200	24	5	27.0	37.0	-100.0	793.0	0.2	370.0	-31.0	17000.0	-2.0	6.2	77.2
201	24	6	29.1	33.0	-100.0	757.0	0.2	-260.0	61.0	19000.0	-2.0	5.7	82.8
202	24	7	24.8	31.0	150.0	745.0	0.2	210.0	-31.0	14000.0	2.2	5.1	80.3
203	24	8	27.5	33.0	150.0	848.0	0.3	230.0	53.0	17000.0	2.2	5.9	87.2
204	24	9	31.0	37.0	-100.0	924.0	0.5	-100.0	-31.0	18000.0	-2.0	6.6	86.2
205	24	10	27.4	40.0	240.0	887.0	0.3	-100.0	57.0	18000.0	-2.0	6.6	84.1
206	24	11	26.9	37.0	130.0	870.0	0.6	260.0	39.0	17000.0	-2.0	6.3	81.5
207	24	12	26.8	37.0	-100.0	897.0	0.3	230.0	-26.0	17000.0	2.4	6.6	80.3
208	24	13	29.1	39.0	180.0	958.0	0.4	250.0	59.0	20000.0	2.2	6.4	86.0
209	24	14	24.9	40.0	-100.0	859.0	-0.2	340.0	-32.0	16000.0	-2.0	6.1	78.0
210	24	15	28.3	38.0	220.0	834.0	0.5	-100.0	-29.0	20600.0	-2.0	6.7	75.9
211	24	16	42.4	41.0	-100.0	1310.0	0.5	240.0	64.0	29000.0	-2.0	7.1	109.0
212	24	17	24.4	35.0	150.0	1040.0	0.3	230.0	38.0	9600.0	-2.0	5.6	91.2
213	24	18	0.4	-2.0	140.0	32.0	1.2	-100.0	-10.0	-200.0	-2.0	-0.2	4.9
214	25	1	24.4	41.0	-100.0	937.0	-0.2	290.0	63.0	15000.0	-2.0	6.5	87.0
215	25	2	30.3	43.0	-100.0	1080.0	0.3	190.0	-39.0	17000.0	-2.0	7.3	92.1
216	25	3	26.1	38.0	-100.0	862.0	-0.2	170.0	-36.0	17000.0	-2.0	6.7	81.4
217	25	4	23.8	36.0	-100.0	791.0	-0.2	210.0	67.0	13000.0	-2.0	5.9	74.8
218	25	5	26.3	38.0	-100.0	886.0	-0.2	-100.0	57.0	15000.0	-2.0	6.2	83.4
219	25	6	25.8	35.0	-100.0	857.0	-0.2	240.0	-26.0	16000.0	-2.0	6.0	80.8
220	25	7	28.2	38.0	190.0	940.0	0.4	-100.0	-30.0	18000.0	2.7	6.5	83.5
221	25	8	30.5	36.0	-100.0	950.0	-0.2	-100.0	-40.0	20000.0	-2.0	6.6	84.4
222	25	9	25.7	38.0	210.0	821.0	-0.2	-100.0	-40.0	17000.0	2.4	6.4	77.3
223	25	10	28.7	29.0	-100.0	821.0	-0.2	240.0	47.0	16000.0	-2.0	4.6	86.5
224	25	11	21.7	31.0	120.0	712.0	-0.2	-100.0	-32.0	12000.0	-2.0	5.6	68.8

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
225	25	12	24.0	31.0	-100.0	724.0	0.3	180.0	-24.0	14000.0	-2.0	5.4	69.8
226	25	13	28.2	41.0	180.0	858.0	-0.2	180.0	37.0	18000.0	-2.0	6.9	76.9
227	25	14	25.0	37.0	-100.0	873.0	0.3	-100.0	-32.0	17000.0	-2.0	6.3	77.4
228	25	15	23.5	35.0	240.0	979.0	-0.2	-100.0	-27.0	13000.0	-2.0	5.8	85.1
229	25	16	18.0	38.0	150.0	778.0	-0.2	290.0	-23.0	10000.0	-2.0	6.0	69.2
230	25	17	22.1	32.0	-100.0	984.0	0.5	170.0	-33.0	9000.0	3.4	5.5	85.4
231	25	18	21.6	31.0	-100.0	1350.0	-0.3	330.0	-31.0	7700.0	-2.0	5.1	115.0
232	25	19	2.8	-2.0	250.0	240.0	2.4	-100.0	-10.0	650.0	-2.0	0.3	20.8
233	26	1	27.1	41.0	190.0	976.0	0.4	190.0	-24.0	17000.0	-2.0	6.8	92.2
234	26	2	26.6	39.0	-100.0	980.0	-0.2	220.0	-35.0	17000.0	-2.0	7.1	90.9
235	26	3	25.9	39.0	-100.0	946.0	0.4	210.0	-35.0	16000.0	-2.0	6.6	94.3
236	26	4	20.8	33.0	-100.0	789.0	0.4	220.0	-21.0	14000.0	-2.0	5.4	77.4
237	26	5	24.9	36.0	140.0	883.0	-0.2	150.0	-23.0	16000.0	3.7	6.0	81.3
238	26	6	24.9	33.0	-100.0	825.0	0.3	150.0	34.0	13000.0	-2.0	5.8	78.3
239	26	7	23.9	30.0	-100.0	751.0	0.3	-100.0	-20.0	13000.0	-2.0	5.4	73.0
240	26	8	27.9	34.0	190.0	833.0	0.4	330.0	41.0	14000.0	-2.0	6.1	79.2
241	26	9	27.9	34.0	260.0	826.0	-0.2	200.0	39.0	14000.0	-2.0	5.8	79.8
242	26	10	25.2	33.0	120.0	800.0	-0.2	220.0	-23.0	12000.0	-2.0	5.7	76.4
243	26	11	52.5	52.0	190.0	1260.0	0.4	560.0	58.0	26400.0	4.3	8.4	137.0
244	26	12	31.7	33.0	160.0	865.0	0.3	-100.0	54.0	14000.0	3.7	5.4	84.2
245	26	13	26.9	29.0	210.0	816.0	0.2	-100.0	35.0	12000.0	12.0	5.1	56.1
246	26	14	20.0	28.0	240.0	704.0	0.3	270.0	29.0	6400.0	13.0	5.0	53.0
247	26	15	20.6	33.0	160.0	791.0	0.2	-100.0	-29.0	8900.0	4.0	5.6	53.6
248	26	16	23.7	31.0	270.0	791.0	0.2	-100.0	37.0	12000.0	12.0	5.7	53.9
249	26	17	19.0	29.0	190.0	733.0	0.2	-100.0	34.0	9600.0	7.9	5.3	53.7
250	26	18	19.0	30.0	190.0	926.0	0.4	290.0	-33.0	10000.0	3.9	5.1	80.8
251	26	19	18.0	28.0	-100.0	710.0	0.3	-100.0	33.0	9400.0	8.1	5.0	49.7
252	26	20	20.0	29.0	190.0	623.0	0.3	-100.0	-26.0	10000.0	6.6	5.0	48.7
253	26	21	16.0	28.0	230.0	666.0	0.3	-100.0	35.0	7700.0	7.5	4.9	48.9
254	26	22	19.0	34.0	190.0	937.0	0.3	-100.0	-29.0	9300.0	10.0	5.6	64.1
255	26	23	23.4	41.0	-100.0	1140.0	0.3	-100.0	38.0	8000.0	5.0	6.9	80.3
256	26	24	2.0	-2.0	140.0	49.0	2.7	-100.0	-10.0	240.0	-2.0	-0.2	4.8
257	27	1	23.9	33.0	220.0	823.0	0.3	-100.0	39.0	14000.0	6.9	6.2	56.1
258	27	2	26.2	33.0	150.0	838.0	0.3	-100.0	32.0	13000.0	6.1	5.9	59.3
259	27	3	35.0	34.0	190.0	925.0	0.3	-100.0	40.0	16000.0	7.1	6.8	61.5
260	27	4	25.3	33.0	190.0	834.0	0.1	-100.0	47.0	11000.0	7.7	6.0	56.2
261	27	5	26.8	32.0	-100.0	769.0	0.2	-100.0	70.0	10000.0	6.9	5.6	52.6
262	27	6	19.0	26.0	-100.0	636.0	0.2	-100.0	-25.0	8300.0	5.3	4.6	43.5
263	27	7	23.5	29.0	-100.0	754.0	0.3	-220.0	72.0	10000.0	9.0	5.8	52.3
264	27	8	18.0	29.0	170.0	653.0	0.3	-100.0	32.0	8500.0	8.6	5.0	47.2
265	27	9	19.0	27.0	-100.0	674.0	-0.1	200.0	59.0	11000.0	9.0	4.8	53.0
266	27	10	20.8	30.0	-100.0	714.0	0.3	-100.0	44.0	13000.0	6.5	5.3	50.7
267	27	11	26.7	35.0	150.0	946.0	0.3	-210.0	51.0	17000.0	4.2	6.4	63.5
268	27	12	26.8	41.0	-100.0	1190.0	0.3	-220.0	-37.0	15000.0	8.5	7.1	71.6
269	27	13	30.6	46.0	-100.0	1370.0	0.3	-230.0	49.0	17000.0	5.1	7.6	80.3
270	27	14	28.3	43.0	200.0	1260.0	0.2	330.0	-37.0	16000.0	10.0	7.8	75.6
271	27	15	2.2	2.0	140.0	61.0	3.2	-100.0	-10.0	310.0	-2.0	0.3	5.4
272	28	1	20.0	31.0	-100.0	666.0	0.4	-100.0	28.0	11000.0	11.0	5.4	45.7
273	28	2	17.0	32.0	190.0	634.0	0.3	-100.0	-28.0	11000.0	9.5	5.7	42.7
274	28	3	16.0	34.0	-100.0	648.0	0.3	200.0	36.0	10000.0	10.0	5.8	50.7
275	28	4	19.0	36.0	190.0	705.0	0.3	-100.0	-30.0	13000.0	10.0	6.0	51.1
276	28	5	20.2	37.0	150.0	775.0	0.4	-100.0	40.0	12000.0	8.8	6.5	49.8
277	28	6	19.0	34.0	180.0	736.0	0.3	-100.0	-29.0	12000.0	3.0	6.4	47.4
278	28	7	16.0	34.0	140.0	579.0	0.3	-100.0	35.0	9800.0	5.4	6.0	39.4
279	28	8	2.2	-2.0	140.0	54.0	2.5	-100.0	-10.0	210.0	-2.0	0.3	5.2
280	29	1	23.7	32.0	170.0	797.0	0.3	180.0	-29.0	12000.0	6.8	5.8	55.7

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
281	29	2	20.0	28.0	140.0	641.0	0.3	-100.0	29.0	11000.0	5.2	5.1	46.1
282	29	3	20.7	30.0	160.0	742.0	0.3	-100.0	35.0	11000.0	7.5	5.4	53.3
283	29	4	22.3	32.0	170.0	766.0	0.3	-100.0	31.0	12000.0	5.5	5.6	54.5
284	29	5	20.8	27.0	-100.0	688.0	0.2	-100.0	49.0	12000.0	4.4	5.3	51.2
285	29	6	20.7	27.0	210.0	637.0	0.4	-100.0	-24.0	11000.0	5.0	4.7	48.6
286	29	7	28.1	29.0	140.0	777.0	0.3	220.0	34.0	16000.0	11.0	5.0	62.6
287	29	8	25.2	28.0	140.0	727.0	0.2	210.0	-30.0	14000.0	8.8	5.3	55.7
288	29	9	23.8	26.0	-100.0	569.0	0.3	280.0	-29.0	15000.0	8.9	4.6	48.2
289	29	10	23.0	25.0	150.0	490.0	0.3	-100.0	31.0	13000.0	6.6	4.5	40.9
290	29	11	19.0	27.0	140.0	493.0	0.4	190.0	-24.0	12000.0	5.8	4.7	39.9
291	29	12	22.6	29.0	150.0	576.0	0.2	250.0	-26.0	16000.0	5.5	5.3	44.9
292	29	13	23.8	33.0	190.0	603.0	0.2	-100.0	-28.0	18000.0	9.3	5.8	46.8
293	29	14	20.0	31.0	150.0	608.0	0.3	-100.0	37.0	14000.0	8.7	5.4	44.5
294	29	15	15.0	28.0	180.0	629.0	0.4	-100.0	25.0	7700.0	11.0	4.9	43.1
295	29	16	1.0	-2.0	230.0	35.0	2.7	-100.0	-10.0	240.0	-2.0	0.2	3.8
296	30	1	24.5	33.0	-100.0	894.0	0.3	-200.0	55.0	11000.0	9.1	5.7	60.7
297	30	2	27.7	32.0	370.0	730.0	0.4	-100.0	29.0	14000.0	5.6	5.6	54.7
298	30	3	22.9	26.0	-100.0	634.0	0.5	160.0	38.0	9600.0	7.4	4.7	46.2
299	30	4	27.7	33.0	-100.0	810.0	0.3	-100.0	50.0	15000.0	8.8	6.1	55.9
300	30	5	27.0	37.0	150.0	811.0	0.3	-100.0	50.0	14000.0	10.0	6.3	57.6
301	30	6	24.9	31.0	140.0	829.0	0.4	-100.0	51.0	13000.0	5.9	5.9	57.4
302	30	7	19.0	25.0	210.0	504.0	0.7	200.0	25.0	9300.0	5.1	4.3	39.0
303	30	8	22.4	32.0	150.0	734.0	0.3	210.0	-30.0	13000.0	13.0	5.4	49.8
304	30	9	25.7	34.0	160.0	778.0	0.3	-100.0	53.0	13000.0	7.8	6.1	56.1
305	30	10	24.4	33.0	220.0	746.0	0.4	-100.0	-29.0	14000.0	8.3	6.1	52.6
306	30	11	23.3	34.0	150.0	648.0	0.3	-100.0	-28.0	16000.0	8.6	5.8	48.6
307	30	12	22.0	34.0	150.0	612.0	0.2	-100.0	43.0	14000.0	12.0	5.7	46.1
308	30	13	21.5	28.0	190.0	563.0	0.2	190.0	48.0	15000.0	9.4	4.8	46.8
309	30	14	20.2	30.0	290.0	587.0	0.2	-220.0	-36.0	13000.0	13.0	5.4	45.5
310	30	15	32.3	39.0	140.0	1170.0	0.4	-210.0	-35.0	18000.0	6.7	7.3	80.6
311	30	16	28.7	40.0	230.0	1120.0	0.2	-230.0	49.0	15000.0	11.0	6.3	79.3
312	30	17	21.2	35.0	190.0	936.0	0.2	220.0	41.0	8600.0	13.0	6.1	70.9
313	30	18	23.0	38.0	-100.0	1010.0	0.3	-100.0	45.0	12000.0	4.6	6.3	71.9
314	30	19	22.1	33.0	150.0	887.0	0.4	-100.0	50.0	13000.0	7.1	5.8	59.5
315	30	20	16.0	21.0	-100.0	555.0	0.2	-100.0	37.0	11000.0	5.9	4.0	39.3
316	30	21	1.1	-2.0	180.0	48.0	3.1	-100.0	-10.0	-200.0	-2.0	0.2	4.6
317	31	1	24.3	38.0	160.0	809.0	0.3	-100.0	47.0	15000.0	12.0	6.5	57.2
318	31	2	26.9	39.0	190.0	814.0	0.3	210.0	33.0	18000.0	8.7	6.4	58.8
319	31	3	27.8	32.0	150.0	752.0	0.6	170.0	54.0	19000.0	7.0	5.9	54.6
320	31	4	20.7	29.0	120.0	660.0	0.5	150.0	-24.0	12000.0	7.5	5.3	47.7
321	31	5	20.3	27.0	-100.0	681.0	0.3	-100.0	58.0	13000.0	4.8	5.2	50.5
322	31	6	25.3	35.0	-100.0	754.0	0.1	280.0	-29.0	17000.0	8.0	6.1	54.8
323	31	7	19.0	27.0	-100.0	827.0	0.4	-100.0	-27.0	13000.0	8.1	5.0	58.8
324	31	8	25.7	31.0	-100.0	766.0	0.4	-100.0	39.0	18000.0	9.4	5.4	56.9
325	31	9	22.9	29.0	190.0	654.0	0.4	-100.0	-26.0	14000.0	7.2	5.0	46.8
326	31	10	23.1	31.0	120.0	638.0	0.4	-100.0	32.0	12000.0	6.8	5.0	46.4
327	31	11	25.5	30.0	-100.0	708.0	0.2	-100.0	39.0	15000.0	11.0	5.5	52.7
328	31	12	26.5	26.0	150.0	689.0	-0.1	180.0	-28.0	16000.0	7.4	4.8	53.6
329	31	13	21.8	27.0	170.0	645.0	0.3	-100.0	35.0	12000.0	3.7	4.8	48.5
330	31	14	26.3	32.0	210.0	673.0	0.4	-100.0	42.0	16000.0	4.4	5.4	50.3
331	31	15	20.8	29.0	200.0	646.0	0.2	-100.0	-29.0	13000.0	8.3	5.6	47.4
332	31	16	21.6	32.0	140.0	602.0	0.4	-100.0	32.0	14000.0	10.0	5.7	46.9
333	31	17	18.0	27.0	-100.0	559.0	0.3	150.0	-24.0	12000.0	4.4	4.9	41.7
334	31	18	20.6	30.0	190.0	663.0	0.2	-100.0	59.0	12000.0	5.2	5.2	48.3
335	31	19	18.0	30.0	120.0	516.0	0.4	160.0	54.0	11000.0	4.9	5.0	42.6
336	31	20	17.0	29.0	190.0	538.0	0.3	-100.0	32.0	11000.0	7.7	5.0	41.3

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
337	31	21	17.0	31.0	200.0	581.0	0.2	-100.0	-24.0	11000.0	8.4	5.2	42.6
338	31	22	17.0	31.0	120.0	538.0	0.3	-100.0	40.0	10000.0	3.7	5.3	41.2
339	31	23	14.0	27.0	140.0	494.0	0.3	-100.0	23.0	7600.0	6.7	4.9	36.1
340	31	24	1.2	-2.0	130.0	48.0	3.6	-100.0	-10.0	-200.0	-2.0	-0.2	4.6
341	32	1	20.0	32.0	120.0	676.0	0.3	-100.0	-25.0	10000.0	7.2	5.3	50.0
342	32	2	25.9	38.0	180.0	923.0	0.3	-100.0	57.0	14000.0	8.0	6.7	65.7
343	32	3	22.5	31.0	150.0	761.0	0.4	-100.0	50.0	13000.0	8.9	5.7	56.4
344	32	4	25.1	33.0	-100.0	930.0	-0.2	-100.0	39.0	11000.0	5.5	5.3	64.8
345	32	5	27.7	32.0	170.0	701.0	0.2	310.0	-32.0	12000.0	10.0	5.8	50.4
346	32	6	22.1	34.0	160.0	615.0	0.4	-100.0	39.0	14000.0	7.1	5.4	48.7
347	32	7	27.9	33.0	-100.0	782.0	0.4	-100.0	40.0	17000.0	11.0	6.0	57.9
348	32	8	23.5	27.0	190.0	655.0	0.3	-100.0	31.0	14000.0	17.0	4.9	48.9
349	32	9	23.9	30.0	230.0	707.0	0.3	-100.0	43.0	17000.0	5.3	5.7	52.0
350	32	10	14.0	21.0	210.0	442.0	1.0	-100.0	-29.0	7700.0	9.0	3.6	32.0
351	32	11	20.3	32.0	170.0	640.0	0.3	-100.0	40.0	13000.0	12.0	5.2	45.5
352	32	12	20.0	29.0	180.0	610.0	0.3	-100.0	-29.0	14000.0	13.0	5.2	42.7
353	32	13	20.0	30.0	170.0	579.0	0.3	-100.0	32.0	12000.0	10.0	5.1	41.6
354	32	14	1.0	-2.0	140.0	44.0	2.7	-100.0	-10.0	-200.0	-2.0	0.2	4.6
355	33	1	22.6	37.0	290.0	1000.0	0.3	-220.0	61.0	11000.0	11.0	6.7	66.9
356	33	2	38.8	44.0	320.0	1090.0	0.3	-260.0	50.0	25000.0	25.0	7.5	71.7
357	33	3	31.3	39.0	-100.0	1210.0	0.3	-220.0	39.0	14000.0	8.5	6.9	75.7
358	33	4	20.0	31.0	120.0	671.0	0.4	-100.0	-30.0	4600.0	7.5	4.7	50.7
359	33	5	16.0	25.0	140.0	558.0	0.5	-100.0	-24.0	5300.0	7.0	4.5	42.5
360	33	6	13.0	25.0	170.0	526.0	0.4	-100.0	28.0	5100.0	5.8	3.9	39.0
361	33	7	25.0	33.0	370.0	689.0	0.4	-100.0	43.0	15000.0	7.2	5.6	51.3
362	33	8	23.8	32.0	170.0	698.0	0.2	210.0	-28.0	14000.0	7.1	5.4	49.2
363	33	9	21.0	38.0	210.0	695.0	0.2	-100.0	-33.0	13000.0	12.0	6.0	49.7
364	33	10	27.2	39.0	170.0	900.0	-0.2	-230.0	-39.0	18000.0	13.0	6.7	58.9
365	33	11	24.3	33.0	180.0	680.0	-0.2	230.0	33.0	16000.0	7.8	5.9	47.6
366	33	12	25.6	35.0	230.0	745.0	-0.2	-200.0	-34.0	19000.0	14.0	5.9	50.1
367	33	13	37.2	41.0	-100.0	1250.0	0.6	-230.0	52.0	20900.0	10.0	7.4	79.0
368	33	14	34.4	39.0	-100.0	1090.0	-0.3	240.0	61.0	20000.0	13.0	6.4	76.8
369	33	15	2.1	-2.0	150.0	54.0	2.6	-100.0	-10.0	240.0	-2.0	0.3	4.9
370	34	1	27.0	34.0	160.0	749.0	0.3	-100.0	35.0	19000.0	8.1	6.2	56.0
371	34	2	23.8	34.0	240.0	709.0	0.3	-220.0	-37.0	15000.0	22.0	5.7	54.1
372	34	3	24.5	34.0	120.0	697.0	0.3	190.0	-30.0	18000.0	11.0	5.8	50.7
373	34	4	26.8	30.0	180.0	713.0	0.3	-100.0	-31.0	19000.0	7.9	5.3	54.4
374	34	5	23.1	30.0	160.0	654.0	0.4	200.0	-30.0	16000.0	9.2	5.3	47.7
375	34	6	27.2	33.0	200.0	786.0	0.3	250.0	-32.0	18000.0	10.0	5.9	54.0
376	34	7	20.1	29.0	210.0	696.0	0.4	-100.0	-27.0	12000.0	11.0	5.8	48.3
377	34	8	21.6	31.0	170.0	802.0	0.3	-210.0	37.0	13000.0	10.0	5.5	52.1
378	34	9	28.9	36.0	190.0	850.0	0.3	-200.0	35.0	21000.0	8.5	6.7	58.3
379	34	10	27.2	36.0	130.0	841.0	0.5	-100.0	54.0	19000.0	5.8	6.3	57.8
380	34	11	27.4	34.0	170.0	798.0	0.2	300.0	-31.0	19000.0	7.2	6.3	54.9
381	34	12	19.0	33.0	-100.0	623.0	0.2	260.0	-29.0	9000.0	6.4	5.7	41.5
382	34	13	7.7	15.0	140.0	301.0	0.3	220.0	-28.0	4300.0	5.9	2.7	21.9
383	34	14	23.1	30.0	-100.0	1160.0	0.3	-210.0	66.0	10000.0	6.9	5.4	67.6
384	34	15	30.9	38.0	150.0	1240.0	0.4	220.0	52.0	11000.0	7.1	6.2	76.0
385	34	16	24.0	35.0	-100.0	1200.0	0.3	-210.0	80.0	11000.0	10.0	6.0	70.2
386	34	17	25.5	33.0	-100.0	1220.0	0.6	-210.0	-36.0	12000.0	11.0	5.8	71.4
387	35	1	27.6	34.0	-100.0	914.0	0.3	-210.0	-34.0	17000.0	9.2	6.0	61.5
388	35	2	26.5	34.0	200.0	937.0	0.3	-260.0	-43.0	17000.0	25.0	6.1	63.0
389	35	3	28.4	33.0	180.0	1040.0	0.2	-100.0	57.0	14000.0	3.7	6.4	66.2
390	35	4	27.5	34.0	180.0	955.0	-0.2	320.0	36.0	14000.0	7.3	5.9	62.4
391	35	5	28.5	34.0	190.0	816.0	0.3	-200.0	-35.0	19000.0	5.5	6.0	55.7
392	35	6	27.8	30.0	180.0	716.0	0.3	200.0	-33.0	19000.0	9.4	5.3	54.7

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
393	35	7	26.0	32.0	190.0	732.0	-0.2	-100.0	31.0	18000.0	3.9	6.0	51.2
394	35	8	22.3	38.0	150.0	824.0	0.3	-100.0	-31.0	14000.0	8.5	6.4	56.1
395	35	9	22.1	38.0	-100.0	830.0	0.2	-100.0	36.0	13000.0	7.5	6.8	53.2
396	35	10	1.9	-2.0	100.0	45.0	2.3	-100.0	-10.0	300.0	-2.0	-0.2	3.4
397	36	1	24.5	34.0	150.0	843.0	0.5	-100.0	50.0	16000.0	9.3	6.3	55.8
398	36	2	25.9	30.0	190.0	678.0	0.5	-100.0	32.0	13000.0	6.5	5.7	49.3
399	36	3	21.8	32.0	150.0	706.0	0.5	-100.0	39.0	13000.0	6.1	5.9	49.9
400	36	4	23.8	33.0	-100.0	800.0	0.3	-100.0	-31.0	16000.0	5.1	5.9	52.2
401	36	5	22.9	31.0	140.0	800.0	0.4	190.0	50.0	14000.0	3.7	5.7	52.1
402	36	6	25.9	35.0	210.0	722.0	0.4	-100.0	-30.0	17000.0	8.0	6.4	49.9
403	36	7	22.8	34.0	150.0	662.0	0.4	-210.0	-35.0	11000.0	18.0	6.2	47.1
404	36	8	20.0	30.0	-100.0	676.0	0.3	-100.0	35.0	13000.0	13.0	5.7	45.7
405	36	9	21.4	32.0	230.0	770.0	0.3	-100.0	-30.0	14000.0	17.0	5.5	52.3
406	36	10	10.0	31.0	230.0	493.0	0.3	180.0	-25.0	4000.0	8.5	4.7	40.2
407	36	11	17.0	32.0	200.0	664.0	0.3	-100.0	-29.0	10000.0	8.9	5.3	45.8
408	36	12	26.4	35.0	180.0	840.0	0.2	-100.0	51.0	20000.0	4.3	6.5	54.7
409	36	13	25.8	34.0	260.0	772.0	0.5	-100.0	-31.0	21000.0	9.1	5.9	50.8
410	36	14	25.5	33.0	160.0	816.0	0.4	260.0	33.0	18000.0	7.6	5.9	53.4
411	36	15	24.4	31.0	190.0	809.0	0.4	-100.0	29.0	16000.0	5.8	5.9	57.5
412	36	16	1.8	-2.0	-100.0	60.0	2.4	-100.0	-10.0	-200.0	-2.0	0.2	4.0
413	37	1	21.6	26.0	220.0	793.0	0.3	170.0	47.0	8900.0	3.1	4.5	64.2
414	37	2	21.1	24.0	180.0	728.0	-0.2	-100.0	32.0	11000.0	4.5	4.7	56.8
415	37	3	20.0	23.0	-100.0	796.0	0.3	510.0	-46.0	8900.0	17.0	4.3	61.4
416	37	4	21.9	28.0	-100.0	734.0	-0.1	-230.0	53.0	10000.0	7.5	4.9	56.7
417	37	5	24.1	28.0	160.0	666.0	-0.1	-220.0	-36.0	16000.0	5.6	5.7	50.2
418	37	6	18.0	25.0	180.0	566.0	0.4	-100.0	-32.0	9800.0	4.5	4.7	39.5
419	37	7	21.2	30.0	170.0	610.0	0.3	-200.0	-34.0	14000.0	4.2	5.7	46.7
420	37	8	22.7	28.0	220.0	600.0	0.3	-210.0	-35.0	16000.0	5.2	5.4	44.2
421	37	9	19.0	31.0	170.0	605.0	0.2	320.0	-37.0	14000.0	4.2	5.8	43.9
422	37	10	15.0	25.0	-100.0	476.0	0.3	-100.0	-32.0	8800.0	6.6	4.6	36.7
423	37	11	21.5	32.0	220.0	673.0	-0.1	-210.0	-34.0	13000.0	7.1	5.9	48.1
424	37	12	20.4	33.0	150.0	727.0	0.2	290.0	-33.0	12000.0	4.8	6.1	52.1
425	37	13	19.0	31.0	-100.0	599.0	0.3	-100.0	-30.0	11000.0	6.5	5.7	44.5
426	37	14	24.0	34.0	-100.0	895.0	0.3	-250.0	50.0	15000.0	8.4	6.6	60.2
427	37	15	17.0	29.0	-100.0	628.0	0.2	190.0	42.0	9800.0	4.7	5.2	44.8
428	37	16	20.1	30.0	-100.0	790.0	-0.2	-220.0	-37.0	12000.0	5.8	5.6	53.0
429	37	17	55.0	42.0	-320.0	2990.0	-0.4	-460.0	140.0	11000.0	14.0	8.1	180.0
430	37	18	25.4	39.0	-100.0	1080.0	-0.2	270.0	43.0	12000.0	11.0	7.8	69.9
431	37	19	24.0	37.0	-100.0	1050.0	-0.2	360.0	-43.0	12000.0	10.0	6.7	68.1
432	37	20	22.5	40.0	240.0	927.0	0.3	-220.0	-36.0	9900.0	3.0	7.4	61.1
433	37	21	26.3	36.0	-100.0	1150.0	-0.2	-270.0	54.0	13000.0	8.8	7.1	72.6
434	37	22	21.5	30.0	340.0	941.0	-0.2	290.0	54.0	13000.0	10.0	4.6	62.5
435	37	23	20.2	33.0	-100.0	933.0	-0.2	320.0	-43.0	11000.0	6.9	5.2	59.6
436	38	1	23.1	29.0	-100.0	880.0	0.5	220.0	-36.0	13000.0	10.0	5.3	68.2
437	38	2	25.7	34.0	-100.0	872.0	0.3	-220.0	-37.0	13000.0	11.0	6.1	61.2
438	38	3	25.3	34.0	-100.0	841.0	-0.2	-210.0	-35.0	15000.0	10.0	6.3	58.6
439	38	4	23.6	30.0	240.0	740.0	0.3	-210.0	-35.0	13000.0	9.1	5.8	52.1
440	38	5	21.3	31.0	180.0	701.0	0.3	280.0	-36.0	12000.0	11.0	5.8	49.3
441	38	6	21.8	29.0	230.0	609.0	0.3	-100.0	42.0	14000.0	6.6	5.4	44.9
442	38	7	17.0	22.0	140.0	450.0	0.4	-100.0	32.0	11000.0	6.0	4.2	34.4
443	38	8	20.9	28.0	170.0	603.0	0.4	-100.0	-32.0	14000.0	7.9	5.5	45.6
444	38	9	21.6	29.0	180.0	627.0	0.4	-100.0	53.0	13000.0	7.5	5.8	47.0
445	38	10	26.4	31.0	190.0	661.0	0.4	220.0	35.0	18000.0	7.5	5.9	51.1
446	38	11	21.6	29.0	140.0	622.0	0.4	-100.0	-33.0	13000.0	8.5	5.2	47.7
447	38	12	22.3	30.0	-100.0	607.0	0.3	350.0	45.0	11000.0	12.0	5.5	46.0
448	38	13	22.8	28.0	180.0	676.0	0.3	-200.0	-33.0	14000.0	5.6	5.5	51.5

Recor	Hole	Samp	U	Yb	Zn	Ce	NaX	Sn	Te	Zr	Br	Lu	Sa
449	38	14	30.5	31.0	160.0	812.0	0.3	310.0	-37.0	14000.0	12.0	6.0	56.7
450	38	15	23.1	31.0	130.0	713.0	0.4	220.0	-32.0	15000.0	5.3	5.9	55.1
451	38	16	22.5	31.0	-100.0	797.0	0.4	-200.0	-34.0	12000.0	5.1	5.6	56.2
452	38	17	1.1	-2.0	-100.0	52.0	4.3	-100.0	-10.0	270.0	-2.0	-0.2	4.0
453	39	1	21.6	25.0	190.0	595.0	0.5	-100.0	33.0	13000.0	7.4	5.1	47.7
454	39	2	22.7	22.0	140.0	552.0	0.4	-100.0	-31.0	12000.0	5.3	4.4	46.3
455	39	3	20.7	25.0	180.0	606.0	0.3	220.0	34.0	12000.0	5.3	4.8	46.5
456	39	4	25.9	33.0	200.0	689.0	0.3	410.0	44.0	17000.0	4.9	6.1	51.2
457	39	5	27.7	34.0	-100.0	740.0	0.3	-220.0	64.0	19000.0	7.4	6.3	52.8
458	39	6	27.7	34.0	170.0	766.0	0.3	-230.0	-39.0	19000.0	6.2	6.4	53.7
459	39	7	26.1	31.0	-100.0	749.0	0.4	-230.0	55.0	18000.0	6.4	6.4	53.1
460	39	8	27.8	35.0	200.0	808.0	0.4	-230.0	-39.0	18000.0	11.0	6.7	57.2
461	39	9	24.7	34.0	240.0	685.0	-0.2	-230.0	41.0	17000.0	8.6	6.4	51.8
462	39	10	27.3	38.0	-100.0	673.0	0.3	-260.0	-44.0	16000.0	8.6	6.7	49.6
463	39	11	20.9	31.0	-100.0	606.0	0.4	-230.0	-39.0	14000.0	5.5	5.8	43.3
464	39	12	20.8	33.0	260.0	695.0	-0.2	270.0	-38.0	14000.0	6.3	5.9	48.9
465	39	13	18.0	31.0	250.0	595.0	-0.2	260.0	-38.0	12000.0	7.9	5.3	41.1
466	39	14	18.0	30.0	210.0	593.0	0.5	-250.0	63.0	12000.0	12.0	5.1	41.8
467	39	15	24.0	37.0	-100.0	725.0	0.2	400.0	-41.0	14000.0	10.0	6.0	50.7
468	39	16	22.0	35.0	280.0	779.0	-0.2	280.0	-40.0	15000.0	3.5	6.2	55.1
469	39	17	23.0	37.0	210.0	799.0	0.3	-230.0	-39.0	14000.0	5.7	6.6	58.9
470	39	21	0.9	-2.0	-100.0	43.0	2.3	-100.0	-10.0	240.0	-2.0	0.2	2.9
471	40	1	0.2	-2.0	150.0	32.0	2.6	-100.0	-10.0	-200.0	-2.0	0.4	3.4
472	41	1	25.3	36.0	160.0	890.0	-0.2	220.0	39.0	13000.0	6.0	6.2	70.7
473	41	2	20.5	31.0	180.0	641.0	0.3	-100.0	-33.0	12000.0	3.6	5.7	48.8
474	41	3	19.0	29.0	180.0	636.0	0.3	-220.0	-37.0	11000.0	5.8	5.5	49.5
475	41	4	18.0	24.0	-100.0	576.0	-0.2	-100.0	-32.0	10000.0	4.0	4.8	46.9
476	41	5	20.8	27.0	-100.0	616.0	0.4	-200.0	59.0	11000.0	3.7	5.2	45.9
477	41	6	0.3	2.0	160.0	46.0	4.3	-100.0	-10.0	-200.0	-2.0	0.3	4.1
478	42	1	27.3	33.0	-100.0	906.0	0.5	-210.0	-36.0	16000.0	6.8	6.1	67.6
479	42	2	26.9	34.0	170.0	972.0	0.3	260.0	-39.0	13000.0	6.9	6.4	72.1
480	42	3	28.0	35.0	240.0	990.0	0.3	-230.0	-39.0	15000.0	8.8	6.4	72.3
481	42	4	25.9	36.0	160.0	951.0	-0.2	230.0	-38.0	15000.0	7.8	6.4	69.1
482	42	5	25.3	31.0	220.0	858.0	0.4	-230.0	-38.0	14000.0	11.0	5.8	63.2
483	42	6	23.8	32.0	160.0	809.0	-0.2	290.0	-34.0	13000.0	8.3	6.0	57.5
484	42	7	21.6	32.0	290.0	794.0	-0.2	-100.0	41.0	9700.0	7.6	6.0	59.2
485	42	8	28.0	38.0	220.0	893.0	0.4	-280.0	-48.0	15000.0	12.0	7.1	61.7
486	42	9	-0.2	2.0	130.0	15.0	1.7	-100.0	-10.0	260.0	-2.0	0.3	2.5
487	43	1	24.1	36.0	-100.0	1010.0	-0.3	340.0	63.0	12000.0	6.5	6.2	78.4
488	43	2	22.0	34.0	200.0	876.0	0.3	300.0	-35.0	9600.0	9.0	6.2	66.0
489	43	3	20.8	31.0	180.0	646.0	0.4	240.0	-36.0	13000.0	10.0	5.9	48.7
490	43	4	16.0	26.0	160.0	577.0	0.4	-100.0	34.0	9900.0	6.2	4.7	41.6
491	43	5	19.0	29.0	200.0	623.0	0.5	240.0	-34.0	12000.0	8.4	5.4	46.4
492	43	6	22.7	36.0	-100.0	778.0	0.4	320.0	-38.0	14000.0	5.8	6.1	59.3
493	43	7	15.0	20.0	160.0	584.0	0.3	-210.0	-36.0	6100.0	10.0	3.8	44.6
494	43	8	2.2	-2.0	200.0	75.0	0.7	-100.0	-10.0	340.0	-2.0	0.3	5.1
495	44	1	1.8	-2.0	150.0	65.0	2.4	-100.0	-10.0	360.0	-2.0	0.2	3.9
496	45	1	44.0	36.0	240.0	1140.0	0.4	-240.0	61.0	13000.0	4.3	7.0	79.7
497	45	2	0.4	2.0	180.0	25.0	1.4	-100.0	-10.0	260.0	-2.0	0.3	3.3
498	46	1	27.2	33.0	230.0	1040.0	0.4	260.0	-41.0	12000.0	6.2	5.8	82.8
499	46	2	27.3	30.0	180.0	849.0	0.5	420.0	-39.0	12000.0	10.0	5.2	74.1
500	46	3	-0.2	2.0	130.0	25.0	2.1	-100.0	-10.0	340.0	-2.0	0.4	3.2
501	47	1	25.8	31.0	180.0	769.0	0.3	-210.0	-37.0	16000.0	16.0	5.6	59.1
502	47	2	27.2	31.0	-100.0	803.0	0.6	-240.0	-41.0	16000.0	5.6	5.7	62.5
503	47	3	33.5	33.0	240.0	986.0	0.5	420.0	-53.0	16000.0	18.0	6.3	74.3
504	47	4	24.9	30.0	170.0	887.0	0.2	320.0	55.0	13000.0	6.6	5.3	65.5

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
505	47	5	23.0	29.0	180.0	777.0	0.3	280.0	-31.0	14000.0	7.8	5.2	54.8
506	47	6	21.7	27.0	250.0	654.0	0.2	-100.0	-28.0	9800.0	7.1	5.1	47.1
507	47	7	-0.2	3.0	330.0	28.0	1.8	-100.0	-10.0	-200.0	-2.0	0.3	3.2
508	48	1	0.3	3.0	130.0	28.0	0.8	-100.0	-10.0	270.0	-2.0	0.5	3.3
509	48	2	0.3	3.0	120.0	26.0	1.0	-100.0	-10.0	410.0	-2.0	0.5	3.2
510	49	1	21.2	34.0	-100.0	943.0	0.3	-100.0	51.0	11000.0	5.2	5.5	68.7
511	49	2	20.4	32.0	180.0	877.0	0.1	180.0	37.0	9800.0	5.3	5.6	65.8
512	49	3	19.0	30.0	140.0	799.0	0.2	-100.0	-27.0	11000.0	7.3	5.4	54.8
513	49	4	14.0	25.0	220.0	574.0	0.2	-100.0	-23.0	7800.0	2.9	4.5	40.9
514	49	5	-0.2	3.0	120.0	27.0	2.9	-100.0	-10.0	350.0	-2.0	0.4	3.4
515	50	1	-0.2	2.0	130.0	24.0	0.9	-100.0	-10.0	-200.0	-2.0	0.4	3.2
516	51	1	23.1	36.0	-100.0	1050.0	0.3	260.0	52.0	13000.0	8.6	6.2	67.6
517	51	2	19.0	27.0	-100.0	714.0	0.2	-100.0	-28.0	9900.0	3.4	4.8	50.5
518	51	3	0.5	2.0	-100.0	32.0	2.1	-100.0	-10.0	-200.0	-2.0	0.4	3.5
519	51	4	0.5	-2.0	140.0	32.0	0.6	-100.0	-10.0	380.0	-2.0	0.4	3.4
520	52	1	27.3	34.0	150.0	975.0	0.2	-100.0	-32.0	12000.0	5.7	6.2	69.7
521	52	2	20.0	30.0	250.0	804.0	0.3	220.0	36.0	9600.0	3.9	5.6	56.9
522	52	3	0.3	3.0	120.0	32.0	2.9	-100.0	-10.0	-200.0	-2.0	0.4	3.6
523	53	1	20.0	31.0	170.0	840.0	0.3	170.0	44.0	10000.0	7.0	5.5	58.6
524	53	2	0.6	2.0	-100.0	43.0	2.3	-100.0	-10.0	360.0	-2.0	0.3	3.9
525	54	1	18.0	27.0	180.0	775.0	0.3	-100.0	-25.0	8700.0	2.3	5.0	54.9
526	54	2	13.0	22.0	170.0	555.0	0.3	-100.0	-22.0	6200.0	4.3	4.1	42.1
527	54	3	14.0	25.0	-100.0	543.0	0.2	-100.0	23.0	7700.0	3.4	4.3	41.4
528	54	4	0.7	3.0	120.0	50.0	3.1	-100.0	-10.0	250.0	-2.0	0.4	4.9
529	55	1	20.4	35.0	180.0	769.0	0.2	-100.0	-28.0	13000.0	5.4	6.1	52.5
530	55	2	22.7	30.0	140.0	773.0	0.3	180.0	33.0	13000.0	3.1	5.7	55.1
531	55	3	20.0	28.0	150.0	636.0	0.3	-100.0	-24.0	11000.0	2.3	5.0	47.2
532	55	4	20.2	27.0	-100.0	741.0	0.2	-100.0	-25.0	12000.0	4.5	4.9	53.2
533	55	5	21.9	23.0	130.0	684.0	0.2	-100.0	30.0	12000.0	5.0	4.4	52.9
534	55	6	21.3	29.0	-100.0	829.0	0.3	210.0	30.0	10000.0	5.3	4.9	57.6
535	55	7	21.4	32.0	220.0	856.0	0.3	310.0	-28.0	12000.0	3.5	5.5	59.7
536	55	8	0.2	3.0	160.0	20.0	2.3	-100.0	-10.0	390.0	-2.0	0.3	2.5
537	56	1	21.0	35.0	160.0	916.0	0.3	-100.0	-29.0	8900.0	5.5	6.3	64.0
538	56	2	17.0	29.0	-100.0	743.0	0.4	-100.0	43.0	6800.0	4.5	4.9	66.3
539	56	3	21.7	36.0	-100.0	1030.0	0.2	210.0	-30.0	9800.0	2.6	6.4	70.6
540	56	4	0.7	-2.0	170.0	43.0	2.8	-100.0	-10.0	250.0	-2.0	-0.2	3.3
541	56	5	0.6	-2.0	190.0	51.0	2.5	-100.0	-10.0	240.0	-2.0	-0.2	3.6
542	57	1	23.8	33.0	160.0	894.0	0.3	-100.0	29.0	12000.0	5.0	5.9	66.6
543	57	2	29.5	37.0	190.0	1080.0	0.3	260.0	42.0	16000.0	10.0	6.7	74.6
544	57	3	-0.2	3.0	270.0	43.0	2.0	-100.0	-10.0	480.0	-2.0	0.6	5.0
545	58	1	23.6	33.0	190.0	977.0	0.3	-100.0	-31.0	12000.0	4.1	6.0	69.0
546	58	2	26.4	33.0	-100.0	1100.0	-0.2	-100.0	57.0	15000.0	7.7	6.1	73.3
547	58	3	25.8	35.0	130.0	998.0	0.2	-100.0	58.0	13000.0	6.1	6.4	68.4
548	58	4	0.5	3.0	160.0	36.0	2.5	-100.0	-10.0	350.0	-2.0	0.5	3.9
549	59	1	25.4	35.0	220.0	966.0	0.2	-100.0	-29.0	14000.0	2.9	6.3	65.7
550	59	2	23.4	33.0	180.0	894.0	0.2	200.0	39.0	13000.0	3.2	5.9	60.7
551	59	3	26.3	36.0	-100.0	953.0	0.3	260.0	59.0	13000.0	3.3	6.3	66.8
552	59	4	27.9	33.0	180.0	1080.0	0.2	-100.0	39.0	12000.0	4.8	6.7	71.0
553	59	5	23.8	35.0	260.0	1060.0	0.3	-100.0	37.0	8400.0	3.3	6.2	72.0
554	59	6	0.3	4.0	160.0	35.0	2.7	-100.0	-10.0	-200.0	-2.0	0.7	4.4
555	60	1	25.4	32.0	-100.0	928.0	0.3	220.0	52.0	15000.0	6.8	6.0	65.0
556	60	2	27.4	36.0	140.0	972.0	0.3	-100.0	-32.0	13000.0	7.8	6.7	68.4
557	60	3	25.6	30.0	190.0	892.0	0.2	-100.0	42.0	14000.0	4.4	5.9	64.7
558	60	4	25.1	26.0	-100.0	821.0	0.3	-100.0	-31.0	12000.0	4.5	5.2	67.1
559	60	5	-0.2	2.0	140.0	15.0	1.8	-100.0	-10.0	-200.0	-2.0	0.3	2.4
560	61	1	26.1	30.0	130.0	926.0	0.3	-100.0	42.0	15000.0	5.1	5.9	64.0

Recor	Hole	Samp	U	Yb	Zn	Ce	NaX	Sn	Te	Zr	Br	Lu	Sa
561	61	2	28.4	33.0	200.0	879.0	0.2	-100.0	59.0	16000.0	7.3	5.9	66.5
562	61	3	22.9	27.0	130.0	707.0	0.4	370.0	-10.0	13000.0	2.3	4.6	76.4
563	61	4	22.5	36.0	130.0	700.0	0.3	230.0	24.0	15000.0	4.8	6.2	73.2
564	61	5	56.2	31.0	150.0	635.0	0.4	250.0	56.0	13000.0	3.3	5.8	62.9
565	61	6	24.6	32.0	140.0	878.0	0.4	250.0	31.0	12000.0	2.6	5.6	86.2
566	61	7	24.7	37.0	120.0	909.0	0.3	260.0	30.0	14000.0	3.8	6.1	89.4
567	61	8	26.8	39.0	190.0	1050.0	-0.2	240.0	35.0	15000.0	12.0	6.7	107.0
568	61	9	29.0	42.0	-100.0	1040.0	0.3	320.0	-25.0	18000.0	11.0	7.5	96.4
569	61	10	24.5	34.0	120.0	874.0	0.2	280.0	-20.0	14000.0	5.9	5.9	85.0
570	61	11	26.5	40.0	120.0	988.0	0.3	230.0	-23.0	16000.0	6.6	6.9	94.5
571	61	12	16.0	28.0	110.0	795.0	0.4	260.0	27.0	6000.0	2.2	4.5	106.0
572	61	13	10.0	22.0	130.0	470.0	0.5	110.0	-10.0	4700.0	4.1	3.9	48.3
573	61	14	0.5	-2.0	130.0	34.0	3.4	-100.0	-10.0	-200.0	-2.0	-0.2	2.4
574	62	1	30.1	42.0	240.0	1180.0	0.4	380.0	34.0	17000.0	11.0	7.1	116.0
575	62	2	27.4	37.0	200.0	926.0	0.3	320.0	30.0	17000.0	2.8	6.3	87.1
576	62	3	23.6	34.0	160.0	830.0	0.3	190.0	31.0	15000.0	2.6	6.1	91.0
577	62	4	22.7	35.0	130.0	857.0	0.3	260.0	-10.0	13000.0	4.4	5.7	86.9
578	62	5	26.9	39.0	180.0	892.0	0.5	200.0	-21.0	16000.0	3.9	6.7	83.3
579	62	6	14.0	24.0	500.0	545.0	0.4	140.0	25.0	8400.0	4.1	4.3	55.0
580	62	7	24.9	38.0	160.0	931.0	0.4	230.0	24.0	16000.0	8.4	6.5	86.8
581	62	8	16.0	31.0	160.0	627.0	0.4	210.0	22.0	8500.0	5.4	5.3	65.9
582	62	9	21.5	30.0	290.0	713.0	0.3	320.0	27.0	13000.0	3.7	5.1	78.3
583	62	10	20.0	31.0	190.0	708.0	-0.2	200.0	22.0	11000.0	4.4	5.5	71.1
584	62	11	20.8	34.0	150.0	753.0	0.4	180.0	-10.0	11000.0	3.1	5.6	75.4
585	62	12	0.2	3.0	160.0	37.0	2.3	-100.0	-10.0	350.0	-2.0	0.5	4.2
586	63	1	23.1	32.0	130.0	814.0	0.4	310.0	25.0	8600.0	3.7	5.4	84.6
587	63	2	0.5	4.0	120.0	39.0	2.8	-100.0	-10.0	260.0	-2.0	0.6	4.9
588	64	1	25.1	37.0	240.0	868.0	0.3	270.0	33.0	11000.0	3.2	6.3	83.5
589	64	2	22.0	32.0	190.0	835.0	0.3	180.0	-10.0	14000.0	-2.0	5.4	81.7
590	64	3	24.6	40.0	100.0	1060.0	0.4	210.0	36.0	13000.0	7.3	6.7	104.0
591	64	4	0.2	5.0	260.0	45.0	2.1	-100.0	-10.0	-200.0	-2.0	0.7	5.0
592	65	1	19.0	34.0	150.0	862.0	0.4	200.0	27.0	10000.0	5.7	5.9	86.8
593	65	2	15.0	33.0	-100.0	716.0	-0.2	280.0	-10.0	7600.0	3.5	5.3	73.4
594	65	3	12.0	27.0	110.0	556.0	0.3	180.0	26.0	5000.0	-2.0	4.4	63.3
595	65	4	9.4	27.0	-100.0	440.0	0.3	120.0	-10.0	3000.0	-2.0	4.6	50.1
596	65	5	0.5	3.0	140.0	35.0	2.8	-100.0	-10.0	380.0	-2.0	0.3	3.6
597	66	1	28.4	41.0	160.0	1190.0	0.3	250.0	30.0	14000.0	4.8	6.9	116.0
598	66	2	1.3	-2.0	160.0	78.0	4.2	-100.0	-10.0	-200.0	-2.0	-0.2	4.9
599	67	1	28.6	39.0	140.0	1190.0	-0.3	270.0	-23.0	13000.0	4.4	6.7	111.0
600	67	2	36.4	48.0	250.0	1450.0	-0.3	410.0	-28.0	19000.0	5.2	8.1	134.0
601	67	3	28.7	42.0	140.0	1220.0	-0.3	290.0	66.0	16000.0	-2.0	6.7	110.0
602	67	4	-0.2	3.0	180.0	14.0	1.4	-100.0	-10.0	-200.0	-2.0	0.5	2.7
603	67	5	32.8	46.0	130.0	1320.0	0.6	250.0	-33.0	18000.0	4.2	7.8	112.0
604	67	6	26.8	39.0	160.0	1100.0	0.3	210.0	-25.0	14000.0	2.3	6.4	103.0
605	67	7	24.3	37.0	170.0	1070.0	0.5	290.0	29.0	14000.0	7.8	6.2	95.0
606	67	8	-0.2	3.0	250.0	24.0	1.4	-100.0	-10.0	260.0	-2.0	0.5	3.2
607	68	1	0.5	6.0	160.0	80.0	2.6	-100.0	-10.0	530.0	-2.0	1.0	8.6
608	69	1	0.5	6.0	170.0	73.0	2.1	-100.0	-10.0	470.0	-2.0	0.9	7.3
609	70	1	8.9	19.0	-100.0	480.0	0.4	150.0	-10.0	3200.0	4.3	3.1	63.9
610	70	2	1.2	7.0	-100.0	73.0	0.1	-100.0	-10.0	510.0	2.7	1.1	13.0
611	70	3	0.3	-2.0	110.0	25.0	2.3	-100.0	-10.0	-200.0	-2.0	0.3	3.3
612	71	1	1.0	-2.0	-100.0	70.0	4.1	-100.0	-10.0	250.0	-2.0	-0.2	3.8
613	72	1	5.7	12.0	-100.0	270.0	-0.1	-100.0	-10.0	1500.0	2.2	2.0	36.5
614	72	2	27.4	39.0	110.0	1130.0	0.4	340.0	37.0	16000.0	6.0	6.7	106.0
615	72	3	27.7	39.0	220.0	1550.0	-0.4	390.0	48.0	16000.0	6.2	6.8	143.0
616	72	4	-0.2	-2.0	140.0	14.0	1.5	-100.0	-10.0	-200.0	-2.0	0.2	2.0

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
617	73	1	29.1	40.0	140.0	1130.0	0.5	340.0	-27.0	16000.0	4.0	6.9	104.0
618	73	2	0.9	-2.0	130.0	68.0	4.5	-100.0	-10.0	230.0	-2.0	-0.2	4.3
619	74	1	21.1	37.0	-100.0	965.0	-0.3	270.0	24.0	11000.0	2.9	6.4	87.7
620	74	2	22.8	36.0	110.0	1210.0	-0.4	210.0	33.0	11000.0	10.0	5.7	101.0
621	74	3	0.3	3.0	130.0	25.0	2.2	-100.0	-10.0	290.0	-2.0	0.4	3.5
622	75	1	0.7	-2.0	130.0	52.0	2.9	-100.0	-10.0	-200.0	-2.0	0.3	4.0
623	76	1	0.9	-2.0	180.0	91.0	5.1	-100.0	-10.0	290.0	-2.0	-0.2	5.6
624	77	1	20.7	41.0	110.0	860.0	-0.3	310.0	31.0	12000.0	5.3	6.8	78.1
625	77	2	19.0	37.0	150.0	736.0	0.4	220.0	-23.0	9700.0	6.4	6.3	76.0
626	77	3	2.0	-2.0	150.0	81.0	2.6	-100.0	-10.0	-200.0	-2.0	-0.2	5.3
627	77	4	1.3	-2.0	-100.0	60.0	1.5	-100.0	-10.0	300.0	-2.0	-0.2	3.8
628	78	1	22.4	37.0	150.0	963.0	-0.3	260.0	25.0	12000.0	7.5	6.1	90.0
629	78	2	20.5	33.0	140.0	833.0	-0.3	220.0	-10.0	9200.0	4.3	5.6	82.9
630	78	3	24.2	36.0	160.0	877.0	-0.3	320.0	40.0	13000.0	3.2	5.9	82.3
631	78	4	21.2	35.0	160.0	861.0	-0.3	160.0	29.0	12000.0	3.9	6.0	81.6
632	78	5	18.0	34.0	190.0	780.0	-0.3	200.0	32.0	11000.0	5.1	5.8	74.5
633	78	6	0.7	-2.0	130.0	62.0	4.6	-100.0	-10.0	-200.0	-2.0	-0.2	4.1
634	79	1	27.7	37.0	130.0	1140.0	-0.3	290.0	-10.0	13000.0	6.3	6.2	112.0
635	79	2	21.2	33.0	-100.0	837.0	0.3	270.0	23.0	11000.0	3.8	5.7	83.7
636	79	3	0.9	-2.0	-100.0	70.0	4.4	-100.0	-10.0	-200.0	-2.0	-0.2	4.4
637	80	1	16.0	26.0	110.0	815.0	-0.3	170.0	-24.0	8300.0	3.2	4.4	76.3
638	80	2	0.7	-2.0	300.0	42.0	0.4	-100.0	-10.0	230.0	-2.0	0.3	4.0
639	81	1	0.7	-2.0	100.0	58.0	3.7	-100.0	-10.0	220.0	-2.0	-0.2	3.8
640	82	1	25.7	35.0	150.0	946.0	-0.3	200.0	37.0	13000.0	4.0	6.0	90.8
641	82	2	21.4	33.0	140.0	850.0	-0.3	240.0	-10.0	10000.0	-2.0	5.5	82.5
642	82	3	23.8	28.0	160.0	801.0	0.5	230.0	28.0	13000.0	6.1	4.7	84.7
643	82	4	24.6	35.0	150.0	847.0	-0.3	250.0	-23.0	16000.0	-2.0	6.0	84.7
644	82	5	19.0	30.0	200.0	693.0	0.4	200.0	29.0	12000.0	5.5	5.3	67.8
645	82	6	23.7	38.0	130.0	968.0	0.4	280.0	52.0	14000.0	5.1	6.3	87.8
646	82	7	22.7	38.0	130.0	1060.0	-0.4	250.0	39.0	16000.0	3.9	6.3	93.7
647	82	8	20.5	30.0	150.0	818.0	0.5	230.0	-10.0	13000.0	2.5	5.2	75.7
648	82	9	22.1	31.0	140.0	922.0	-0.3	230.0	-21.0	13000.0	-2.0	5.5	84.5
649	82	10	21.4	36.0	120.0	902.0	-0.4	210.0	-20.0	14000.0	6.3	6.1	81.7
650	82	11	26.7	45.0	-100.0	1270.0	-0.5	370.0	31.0	15000.0	7.7	7.5	110.0
651	82	12	30.7	43.0	110.0	1430.0	0.8	310.0	-26.0	19000.0	4.5	7.2	124.0
652	82	13	1.3	-2.0	120.0	74.0	2.6	-100.0	-10.0	-200.0	-2.0	-0.2	5.4
653	83	1	29.4	40.0	110.0	1150.0	-0.4	300.0	37.0	18000.0	3.2	7.0	106.0
654	83	2	0.9	-2.0	110.0	78.0	3.7	-100.0	-10.0	-200.0	-2.0	-0.2	4.9
655	84	1	28.3	40.0	160.0	1160.0	0.5	310.0	-26.0	18000.0	7.0	6.8	106.0
656	84	2	27.2	40.0	210.0	1090.0	-0.4	200.0	29.0	16000.0	10.0	6.5	102.0
657	84	3	28.0	42.0	220.0	1130.0	-0.5	210.0	-31.0	17000.0	15.0	6.9	107.0
658	84	4	20.0	35.0	130.0	819.0	-0.3	270.0	27.0	11000.0	-2.0	5.8	78.5
659	84	5	18.0	32.0	170.0	669.0	-0.3	220.0	-10.0	12000.0	2.9	5.4	64.4
660	84	6	19.0	32.0	150.0	706.0	-0.3	230.0	28.0	13000.0	3.3	5.5	69.5
661	84	7	19.0	29.0	190.0	654.0	-0.3	210.0	28.0	11000.0	8.1	5.0	64.3
662	84	8	1.6	-2.0	130.0	58.0	2.0	-100.0	-10.0	300.0	-2.0	0.2	3.9
663	85	1	25.2	36.0	130.0	969.0	-0.4	280.0	-22.0	15000.0	8.3	6.1	95.5
664	85	2	23.7	30.0	-100.0	767.0	-0.4	190.0	31.0	16000.0	7.3	5.0	81.9
665	85	3	20.6	33.0	110.0	692.0	0.4	200.0	-21.0	13000.0	4.3	5.7	74.8
666	85	4	22.6	39.0	170.0	824.0	1.1	210.0	34.0	16000.0	-2.0	6.5	78.1
667	85	5	36.1	45.0	180.0	1410.0	-0.7	340.0	40.0	20100.0	6.8	7.1	119.0
668	85	6	21.7	28.0	120.0	728.0	0.2	240.0	36.0	13000.0	3.3	4.8	77.4
669	85	7	21.7	31.0	160.0	781.0	0.2	360.0	30.0	12000.0	-2.0	5.2	77.1
670	85	8	19.0	32.0	130.0	790.0	0.3	210.0	36.0	10000.0	4.4	5.4	76.0
671	85	9	23.0	38.0	160.0	894.0	0.3	-100.0	-29.0	13000.0	3.4	6.7	85.0
672	85	10	1.2	-2.0	140.0	70.0	0.9	-100.0	-10.0	230.0	-2.0	-0.2	5.0

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
673	86	1	22.7	34.0	-100.0	1010.0	0.2	180.0	33.0	10000.0	3.2	6.0	95.3
674	86	2	27.6	36.0	-100.0	1050.0	0.2	-100.0	-29.0	14000.0	-2.0	6.4	100.0
675	86	3	31.0	44.0	130.0	1210.0	0.5	370.0	-33.0	18000.0	2.6	7.5	117.0
676	86	4	30.8	40.0	-100.0	1180.0	0.4	320.0	53.0	13000.0	-2.0	6.8	111.0
677	86	5	20.8	35.0	140.0	983.0	0.3	290.0	-30.0	9600.0	2.9	5.8	97.4
678	86	6	-0.2	2.0	160.0	46.0	1.9	-100.0	-10.0	270.0	-2.0	0.4	4.3
679	87	1	25.8	39.0	130.0	1190.0	0.4	250.0	31.0	14000.0	4.1	6.5	111.0
680	87	2	21.8	34.0	170.0	836.0	0.3	250.0	-28.0	12000.0	-2.0	5.8	81.2
681	87	3	15.0	31.0	210.0	590.0	0.3	230.0	-26.0	9500.0	3.3	5.1	59.3
682	87	4	0.3	4.0	180.0	34.0	2.4	-100.0	-10.0	340.0	-2.0	0.7	4.0
683	88	1	34.5	39.0	180.0	1400.0	0.3	260.0	-34.0	16000.0	-2.0	6.6	141.0
684	88	2	26.6	39.0	150.0	1050.0	0.2	260.0	-33.0	15000.0	4.8	6.6	100.0
685	88	3	23.5	33.0	160.0	909.0	0.3	-100.0	-29.0	15000.0	3.0	6.0	83.1
686	88	4	28.5	43.0	160.0	1310.0	0.3	-230.0	39.0	18000.0	7.4	7.3	117.0
687	88	5	30.0	41.0	200.0	1390.0	0.3	400.0	-35.0	15000.0	5.1	7.0	124.0
688	88	6	21.0	29.0	200.0	813.0	0.3	-100.0	40.0	10000.0	-2.0	5.1	77.5
689	88	7	5.0	3.0	910.0	62.0	2.4	-100.0	-10.0	-200.0	-2.0	0.5	3.5
690	89	1	29.7	42.0	170.0	1170.0	0.3	-230.0	66.0	19000.0	-2.0	7.2	110.0
691	89	2	24.9	30.0	100.0	785.0	0.2	320.0	-28.0	17000.0	4.2	5.3	80.7
692	89	3	21.8	33.0	130.0	807.0	0.3	-100.0	-32.0	13000.0	2.9	6.0	77.3
693	89	4	23.5	37.0	140.0	943.0	-0.3	240.0	-38.0	14000.0	6.2	6.4	84.5
694	89	5	18.0	36.0	-100.0	744.0	0.5	350.0	-32.0	9800.0	-2.0	5.9	72.3
695	89	6	20.3	35.0	260.0	800.0	0.3	-210.0	-36.0	12000.0	3.3	6.3	75.6
696	89	7	16.0	31.0	150.0	636.0	-0.2	-100.0	-29.0	8700.0	-2.0	5.2	60.8
697	89	8	15.0	33.0	110.0	625.0	0.3	200.0	-26.0	4500.0	3.5	5.4	63.7
698	89	9	11.0	28.0	270.0	627.0	0.3	-210.0	36.0	4300.0	4.1	4.5	58.7
699	89	10	12.0	29.0	120.0	548.0	0.2	-100.0	-27.0	4600.0	-2.0	4.9	59.3
700	89	11	0.4	3.0	-100.0	26.0	2.2	-100.0	11.0	-200.0	-2.0	0.4	2.8
701	90	1	25.3	35.0	190.0	912.0	0.4	230.0	46.0	15000.0	5.7	6.2	83.2
702	90	2	26.3	40.0	120.0	917.0	0.5	330.0	-36.0	17000.0	3.2	6.6	86.9
703	90	3	29.2	43.0	-100.0	1220.0	0.6	260.0	-40.0	14000.0	3.5	7.4	110.0
704	90	4	25.4	37.0	-100.0	925.0	0.4	-200.0	41.0	13000.0	5.4	5.9	87.5
705	90	5	21.0	33.0	-100.0	847.0	0.5	260.0	-42.0	10000.0	4.1	5.2	78.9
706	90	6	27.2	38.0	220.0	954.0	0.4	310.0	-39.0	15000.0	-2.0	6.1	94.7
707	90	7	18.0	26.0	120.0	618.0	0.3	-100.0	-34.0	11000.0	-2.0	5.0	59.4
708	90	8	18.0	26.0	-100.0	490.0	0.4	210.0	39.0	11000.0	3.1	4.4	56.4
709	90	9	25.2	39.0	190.0	932.0	0.5	320.0	-49.0	15000.0	5.6	6.7	84.4
710	90	10	18.0	30.0	200.0	625.0	-0.3	300.0	-40.0	13000.0	3.7	4.9	56.7
711	90	11	20.4	27.0	210.0	615.0	0.3	-100.0	-34.0	12000.0	3.0	4.5	67.8
712	90	12	22.8	31.0	160.0	759.0	0.5	200.0	-33.0	13000.0	-2.0	5.4	74.8
713	90	13	24.7	34.0	-100.0	830.0	-0.2	-290.0	-47.0	16000.0	-4.1	5.6	63.1
714	90	14	21.8	37.0	250.0	768.0	0.2	-220.0	47.0	13000.0	6.4	6.0	56.0
715	90	15	0.7	-2.0	510.0	48.0	1.0	-100.0	-10.0	260.0	-2.0	0.3	3.3
716	91	1	28.4	38.0	140.0	974.0	0.4	250.0	46.0	16000.0	2.6	6.9	70.4
717	91	2	24.0	37.0	180.0	841.0	0.3	220.0	37.0	15000.0	-2.0	6.6	60.4
718	91	3	18.0	30.0	110.0	721.0	0.4	-100.0	-26.0	9200.0	2.8	5.1	68.3
719	91	4	17.0	30.0	180.0	702.0	0.3	-100.0	27.0	8800.0	-2.0	5.1	65.4
720	91	5	22.9	37.0	260.0	805.0	0.4	210.0	42.0	16000.0	2.7	6.1	61.0
721	91	6	17.0	31.0	140.0	632.0	0.2	-100.0	26.0	8800.0	-2.0	5.4	46.8
722	91	7	18.0	29.0	220.0	681.0	0.3	170.0	35.0	9600.0	3.4	5.1	50.0
723	91	8	-0.2	3.0	180.0	19.0	1.7	-100.0	-10.0	-200.0	-2.0	0.6	2.9
724	92	1	27.4	39.0	240.0	988.0	0.2	220.0	63.0	15000.0	-2.0	6.6	71.7
725	92	2	25.8	39.0	170.0	923.0	0.3	-100.0	37.0	14000.0	2.3	6.4	68.0
726	92	3	24.3	35.0	180.0	872.0	0.2	250.0	39.0	14000.0	-2.0	6.3	61.7
727	92	4	0.7	6.0	200.0	62.0	3.0	-100.0	-10.0	510.0	-2.0	1.0	6.8
728	93	1	22.8	33.0	210.0	758.0	0.4	-100.0	-28.0	14000.0	3.4	6.1	55.5

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
729	93	2	20.0	30.0	170.0	632.0	0.4	-100.0	-25.0	12000.0	-2.0	5.5	47.7
730	93	3	18.0	37.0	150.0	683.0	0.3	-100.0	45.0	11000.0	2.4	6.1	48.4
731	93	4	19.0	38.0	210.0	736.0	0.4	240.0	-26.0	9000.0	2.1	6.2	52.8
732	93	5	19.0	37.0	170.0	776.0	0.2	170.0	42.0	10000.0	2.5	6.3	55.3
733	93	6	18.0	38.0	180.0	727.0	0.4	-100.0	33.0	8400.0	2.8	6.1	51.2
734	93	7	0.4	-2.0	120.0	21.0	3.1	-100.0	-10.0	280.0	-2.0	0.3	3.3
735	94	1	29.8	36.0	140.0	1040.0	0.3	190.0	42.0	13000.0	3.9	6.2	81.4
736	94	2	30.3	27.0	210.0	850.0	0.3	-100.0	47.0	13000.0	2.5	5.0	75.1
737	94	3	26.8	33.0	140.0	936.0	0.3	170.0	32.0	14000.0	3.7	5.6	75.0
738	94	4	27.0	34.0	170.0	981.0	0.4	170.0	46.0	14000.0	2.1	6.2	77.5
739	94	5	25.3	32.0	190.0	912.0	0.3	170.0	38.0	13000.0	-2.0	5.9	69.7
740	94	6	25.4	34.0	-100.0	861.0	0.3	180.0	53.0	14000.0	2.7	5.8	66.2
741	94	7	22.6	35.0	-100.0	765.0	0.4	170.0	33.0	13000.0	-2.0	6.0	56.1
742	94	8	-0.2	3.0	140.0	23.0	2.8	-100.0	-10.0	-200.0	-2.0	0.5	3.4
743	95	1	28.0	38.0	190.0	1060.0	-0.2	-210.0	-36.0	17000.0	3.5	6.6	77.8
744	95	2	26.1	34.0	-100.0	993.0	0.3	-100.0	31.0	17000.0	-2.0	6.3	78.4
745	95	3	25.8	35.0	140.0	966.0	0.3	-100.0	52.0	14000.0	-2.0	6.3	73.9
746	95	4	26.5	36.0	140.0	893.0	0.3	210.0	44.0	14000.0	3.7	6.3	68.5
747	95	5	20.1	35.0	160.0	820.0	0.3	-100.0	-32.0	5100.0	-2.0	5.6	66.8
748	95	6	-0.2	3.0	110.0	25.0	2.3	-100.0	-10.0	280.0	-2.0	0.4	3.1
749	96	1	20.0	31.0	130.0	685.0	0.4	240.0	-46.0	11000.0	-2.0	3.8	57.9
750	96	2	21.0	28.0	140.0	689.0	0.3	-230.0	-48.0	12000.0	-2.0	4.3	55.0
751	96	3	20.0	32.0	170.0	668.0	0.3	-210.0	-43.0	12000.0	-2.0	4.7	50.9
752	96	4	21.6	33.0	-100.0	691.0	0.5	-210.0	-43.0	13000.0	-2.0	4.9	56.0
753	96	5	21.8	37.0	-100.0	740.0	0.4	-220.0	-47.0	15000.0	-2.0	4.9	56.3
754	96	6	21.3	36.0	140.0	681.0	0.4	260.0	-42.0	14000.0	-2.0	4.9	51.2
755	96	7	18.0	30.0	140.0	666.0	0.5	280.0	-40.0	10000.0	-2.0	4.2	48.8
756	96	8	19.0	31.0	190.0	627.0	0.4	-210.0	-41.0	11000.0	2.6	4.7	48.4
757	96	9	20.2	34.0	140.0	597.0	0.5	230.0	-41.0	12000.0	-2.0	4.2	44.7
758	96	10	20.0	25.0	-100.0	678.0	0.4	-310.0	-63.0	9100.0	-5.2	4.0	43.1
759	96	11	16.0	27.0	110.0	524.0	0.8	-100.0	-37.0	9000.0	-2.0	3.6	38.1
760	96	12	19.0	32.0	150.0	727.0	0.5	-220.0	-43.0	12000.0	3.3	4.6	54.5
761	96	13	18.0	28.0	-100.0	572.0	0.5	-100.0	-40.0	12000.0	-2.0	4.4	46.1
762	96	14	15.0	30.0	130.0	550.0	0.4	-100.0	-38.0	7000.0	-2.0	4.2	42.0
763	96	15	18.0	33.0	170.0	509.0	0.7	-100.0	-40.0	8200.0	-2.0	4.4	37.6
764	96	16	16.0	32.0	130.0	534.0	0.3	-100.0	-38.0	9300.0	-2.0	4.1	42.7
765	96	17	0.2	3.0	110.0	38.0	1.7	-100.0	-10.0	360.0	-2.0	0.4	6.1
766	97	1	16.0	28.0	180.0	986.0	0.6	-100.0	-39.0	7800.0	-2.0	3.8	86.6
767	97	2	18.0	35.0	240.0	764.0	0.3	350.0	-45.0	8200.0	-2.0	4.6	56.6
768	97	3	19.0	31.0	180.0	741.0	0.4	-100.0	-40.0	11000.0	-2.0	4.4	57.0
769	97	4	19.0	28.0	-100.0	667.0	0.4	-100.0	-40.0	9800.0	-2.0	3.9	54.3
770	97	5	21.3	34.0	160.0	744.0	0.4	-230.0	-46.0	12000.0	-2.0	4.6	58.4
771	97	6	20.1	33.0	140.0	740.0	0.4	-240.0	-50.0	10000.0	-2.0	4.7	59.8
772	97	7	22.8	33.0	-100.0	797.0	0.4	-220.0	-54.0	14000.0	-2.0	4.6	56.0
773	97	8	20.0	32.0	130.0	679.0	0.3	-210.0	-43.0	12000.0	-2.0	4.8	51.3
774	97	9	20.9	34.0	-100.0	714.0	0.3	320.0	-45.0	12000.0	-2.0	4.7	54.8
775	97	10	20.5	34.0	180.0	683.0	0.2	-230.0	-47.0	13000.0	-2.0	4.9	56.7
776	97	11	18.0	31.0	120.0	594.0	4.0	-100.0	-41.0	11000.0	-2.0	4.3	48.2
777	97	12	19.0	29.0	230.0	614.0	0.5	230.0	-42.0	14000.0	-2.0	4.8	51.0
778	97	13	19.0	28.0	110.0	564.0	0.5	-100.0	-39.0	11000.0	-2.0	4.1	46.8
779	97	14	17.0	31.0	190.0	575.0	0.4	-100.0	-40.0	12000.0	-2.0	4.3	47.6
780	97	15	15.0	26.0	190.0	533.0	0.4	-100.0	-38.0	9600.0	-2.0	3.9	43.5
781	97	17	0.4	3.0	150.0	19.0	1.9	-100.0	-10.0	-440.0	3.6	0.4	4.4
782	98	1	24.4	34.0	160.0	680.0	0.4	220.0	-44.0	12000.0	-2.0	4.7	52.8
783	98	2	18.0	32.0	200.0	579.0	0.4	230.0	-40.0	11000.0	-2.0	4.3	49.4
784	98	3	18.0	29.0	120.0	576.0	0.4	-100.0	-40.0	10000.0	-2.0	4.2	49.0

Recor	Hole	Samp	U	Yb	Zn	Ce	NaX	Sn	Te	Zr	Br	Lu	Sm
785	98	4	15.0	24.0	150.0	599.0	0.7	-200.0	-42.0	8500.0	3.6	3.3	44.1
786	98	5	19.0	31.0	140.0	652.0	0.5	-200.0	-42.0	11000.0	-2.0	4.5	52.2
787	98	6	18.0	32.0	150.0	608.0	0.3	190.0	-40.0	10000.0	-2.0	4.2	49.7
788	98	7	19.0	30.0	200.0	604.0	5.0	230.0	-42.0	11000.0	-2.0	4.2	49.4
789	98	8	20.9	33.0	220.0	691.0	0.3	290.0	-48.0	12000.0	5.5	4.4	51.2
790	98	9	20.0	33.0	150.0	659.0	0.3	-210.0	-44.0	12000.0	-2.0	4.5	52.2
791	98	10	18.0	22.0	200.0	507.0	0.4	-210.0	-34.0	9000.0	-2.0	3.8	46.0
792	98	11	17.0	29.0	220.0	536.0	0.4	-230.0	-38.0	12000.0	-2.0	4.4	47.9
793	98	12	20.5	31.0	-200.0	602.0	0.4	-240.0	-40.0	11000.0	-2.0	4.6	48.3
794	98	13	0.3	-2.0	-100.0	22.0	2.0	-100.0	-10.0	-200.0	2.1	0.2	3.0
795	99	1	21.1	34.0	250.0	734.0	0.4	-270.0	-44.0	10000.0	3.0	5.3	59.3
796	99	2	17.0	31.0	-200.0	693.0	0.3	-250.0	-40.0	6700.0	-2.0	4.4	56.0
797	99	3	16.0	32.0	-200.0	562.0	0.5	-240.0	-40.0	11000.0	-2.0	4.4	50.0
798	99	4	21.2	30.0	-200.0	622.0	0.4	-260.0	-43.0	14000.0	-2.0	4.6	54.6
799	99	5	0.3	2.0	200.0	25.0	1.4	-100.0	-10.0	-200.0	-2.0	0.3	4.1
800	100	1	19.0	35.0	200.0	584.0	0.5	-250.0	-41.0	14000.0	5.0	4.8	50.9
801	100	2	20.8	36.0	230.0	613.0	0.5	-250.0	-41.0	15000.0	3.0	5.2	51.0
802	100	3	20.8	37.0	-200.0	618.0	0.5	-250.0	-41.0	14000.0	-2.0	5.3	49.5
803	100	4	19.0	37.0	240.0	585.0	0.3	330.0	-59.0	13000.0	-2.0	4.9	48.8
804	100	5	18.0	34.0	-200.0	516.0	0.5	260.0	-45.0	13000.0	-2.0	5.1	48.3
805	100	6	18.0	30.0	-200.0	535.0	0.5	-240.0	-40.0	12000.0	-2.0	4.5	47.2
806	100	7	19.0	34.0	-200.0	620.0	0.3	-280.0	-62.0	12000.0	-2.0	5.2	56.0
807	100	8	18.0	33.0	-200.0	610.0	0.4	-240.0	-40.0	12000.0	3.0	4.7	50.4
808	100	9	22.4	33.0	260.0	646.0	0.4	-250.0	-47.0	16000.0	-2.0	5.3	54.5
809	100	10	18.0	33.0	-200.0	568.0	0.5	-260.0	-49.0	12000.0	-2.0	4.9	48.8
810	100	11	19.0	30.0	200.0	587.0	0.4	-240.0	-40.0	13000.0	-2.0	4.8	47.2
811	100	12	19.0	30.0	-200.0	578.0	0.5	-240.0	-40.0	12000.0	3.0	4.6	48.0
812	100	13	17.0	23.0	210.0	470.0	0.4	-200.0	-38.0	11000.0	-2.0	3.6	43.5
813	100	14	14.0	24.0	-200.0	440.0	0.3	-200.0	-31.0	9000.0	-2.0	3.6	39.7
814	100	15	15.0	29.0	-200.0	500.0	0.4	-210.0	-40.0	9700.0	-2.0	4.4	44.7
815	100	16	14.0	32.0	-200.0	526.0	0.4	-230.0	-37.0	8600.0	-2.0	4.4	46.0
816	100	17	15.0	34.0	230.0	516.0	0.5	-220.0	-36.0	9200.0	3.0	4.8	46.1
817	100	18	15.0	32.0	250.0	506.0	0.5	-220.0	-37.0	9900.0	4.0	4.3	44.8
818	100	19	-0.2	2.0	130.0	30.0	2.1	-100.0	-10.0	520.0	2.0	0.4	5.1
819	101	1	16.0	34.0	290.0	686.0	0.3	-250.0	-41.0	6200.0	3.0	4.7	58.0
820	101	2	16.0	30.0	-200.0	559.0	0.3	-240.0	-39.0	9300.0	3.0	4.3	52.2
821	101	3	17.0	34.0	-200.0	613.0	0.3	-250.0	-42.0	10000.0	-2.0	4.9	57.0
822	101	4	16.0	31.0	250.0	545.0	0.5	-250.0	-41.0	9300.0	-2.0	4.8	53.1
823	101	5	16.0	33.0	240.0	562.0	0.4	-250.0	-41.0	10000.0	-2.0	4.5	52.6
824	101	6	17.0	30.0	220.0	591.0	0.3	-250.0	-41.0	11000.0	3.0	4.6	53.8
825	101	7	19.0	27.0	-200.0	490.0	0.5	-220.0	-36.0	9500.0	-2.0	4.6	45.0
826	101	8	15.0	29.0	-200.0	480.0	0.3	200.0	-34.0	9000.0	-2.0	4.1	42.7
827	101	9	16.0	27.0	-200.0	558.0	0.3	-240.0	-40.0	11000.0	-2.0	4.5	51.3
828	101	10	17.0	28.0	-200.0	569.0	0.4	-220.0	-60.0	11000.0	-2.0	4.4	48.1
829	101	11	15.0	27.0	240.0	511.0	0.4	-200.0	-42.0	8800.0	-2.0	3.9	43.3
830	101	12	18.0	33.0	250.0	556.0	0.4	-240.0	-40.0	12000.0	3.0	4.9	51.3
831	101	13	19.0	34.0	-200.0	563.0	0.5	-230.0	-39.0	13000.0	-2.0	4.6	51.2
832	101	14	15.0	28.0	-200.0	538.0	0.6	-210.0	-36.0	9300.0	-2.0	4.3	44.9
833	101	15	17.0	34.0	-200.0	621.0	0.5	-230.0	-39.0	10000.0	-2.0	4.6	52.6
834	101	16	0.5	3.0	230.0	41.0	0.6	-100.0	-10.0	-200.0	-2.0	0.4	5.5
835	102	1	26.6	32.0	-100.0	954.0	-0.3	310.0	-46.0	13000.0	-2.0	4.4	95.6
836	102	2	22.5	38.0	-100.0	824.0	-0.3	-260.0	-44.0	14000.0	-2.0	5.7	63.6
837	102	3	19.0	33.0	-100.0	657.0	-0.2	-220.0	-39.0	11000.0	-2.0	4.6	53.5
838	102	4	20.1	32.0	-100.0	636.0	0.6	-220.0	-38.0	11000.0	-2.0	4.5	54.7
839	102	5	19.0	31.0	160.0	599.0	-0.3	-230.0	-39.0	10000.0	-2.0	5.1	55.2
840	102	6	17.0	29.0	230.0	571.0	-0.2	-210.0	-41.0	9600.0	-2.0	4.4	48.5

Recor	Hole	Samp	U	Yb	Zn	Ce	NaX	Sn	Te	Zr	Br	Lu	Sm
841	102	7	19.0	30.0	140.0	681.0	0.5	-220.0	-38.0	12000.0	-2.0	4.3	56.1
842	102	8	16.0	29.0	200.0	585.0	0.5	-220.0	-38.0	9600.0	-2.0	4.0	48.8
843	102	9	15.0	29.0	130.0	500.0	0.4	310.0	-35.0	10000.0	-2.0	4.2	41.1
844	102	10	18.0	31.0	320.0	709.0	0.3	-260.0	-45.0	11000.0	-2.0	4.4	61.2
845	102	11	16.0	33.0	-100.0	559.0	-0.3	-240.0	-41.0	11000.0	-2.0	4.5	51.6
846	102	12	15.0	31.0	-100.0	500.0	0.3	-210.0	-37.0	11000.0	-2.0	4.7	43.9
847	102	13	14.0	29.0	250.0	480.0	0.4	-210.0	-37.0	9300.0	-2.0	4.4	42.6
848	102	14	0.3	-2.0	140.0	21.0	3.1	-100.0	-10.0	-200.0	2.9	0.3	2.9
849	103	1	19.0	30.0	-100.0	577.0	0.4	-220.0	-37.0	12000.0	-2.0	4.9	51.9
850	103	2	21.4	33.0	180.0	655.0	0.5	-230.0	-40.0	14000.0	-2.0	4.9	55.8
851	103	3	20.0	35.0	-100.0	676.0	-0.3	-240.0	-42.0	12000.0	-2.0	4.9	57.7
852	103	4	24.1	37.0	-100.0	751.0	0.5	-260.0	-45.0	16000.0	-4.0	5.5	61.9
853	103	5	24.4	33.0	-100.0	722.0	-0.3	-240.0	-47.0	15000.0	3.8	5.6	55.7
854	103	6	25.3	29.0	180.0	833.0	0.4	-240.0	-42.0	16000.0	-4.1	4.6	63.3
855	103	7	18.0	22.0	180.0	569.0	-0.3	-220.0	-37.0	9300.0	-4.1	3.6	49.7
856	103	8	25.5	31.0	260.0	755.0	-0.3	300.0	-42.0	18000.0	-4.4	4.5	53.1
857	103	9	20.0	30.0	160.0	621.0	0.5	-200.0	-36.0	12000.0	-2.0	4.4	51.5
858	103	10	17.0	28.0	230.0	521.0	-0.3	-200.0	-35.0	9200.0	-2.0	4.2	44.4
859	103	11	14.0	28.0	150.0	503.0	0.4	-210.0	-36.0	10000.0	-2.0	4.5	40.2
860	103	12	15.0	29.0	220.0	470.0	-0.3	-200.0	-35.0	10000.0	-2.0	4.2	40.9
861	103	13	13.0	31.0	-100.0	450.0	0.3	-200.0	-35.0	9600.0	-2.0	4.5	39.6
862	103	14	15.0	27.0	150.0	480.0	-0.3	-200.0	-35.0	9200.0	-2.0	4.0	39.5
863	103	15	18.0	31.0	-100.0	524.0	0.4	230.0	-36.0	11000.0	-2.0	4.0	43.2
864	103	16	16.0	29.0	-100.0	559.0	0.4	-210.0	-37.0	11000.0	-2.0	4.7	45.4
865	103	17	14.0	25.0	210.0	430.0	0.3	-220.0	-43.0	10000.0	-2.0	4.1	39.1
866	103	18	-0.2	3.0	150.0	19.0	1.4	-100.0	-10.0	-400.0	-2.0	0.5	4.8
867	104	1	18.0	33.0	-100.0	688.0	-0.3	-230.0	-40.0	12000.0	-2.0	4.8	67.1
868	104	2	21.0	35.0	180.0	578.0	0.4	-230.0	-40.0	15000.0	3.3	5.0	51.4
869	104	3	20.5	36.0	180.0	633.0	0.4	-230.0	-41.0	13000.0	6.3	5.0	52.4
870	104	4	20.0	32.0	-100.0	579.0	0.6	-230.0	-40.0	13000.0	-2.0	4.7	50.8
871	104	5	20.7	37.0	-100.0	586.0	-0.3	-220.0	-39.0	16000.0	-2.0	5.0	50.1
872	104	6	20.0	34.0	150.0	533.0	0.5	-210.0	-42.0	15000.0	-2.0	4.6	48.1
873	104	7	19.0	33.0	170.0	568.0	-0.3	230.0	-38.0	14000.0	5.2	4.6	48.6
874	104	8	20.0	29.0	160.0	556.0	-0.3	-100.0	-39.0	13000.0	-2.0	4.2	46.8
875	104	9	16.0	26.0	150.0	506.0	-0.3	-100.0	-33.0	9600.0	-2.0	3.6	48.1
876	104	10	22.8	34.0	-100.0	667.0	-0.3	-230.0	-40.0	16000.0	-2.0	5.0	60.3
877	104	11	13.0	24.0	140.0	504.0	-0.6	-100.0	-35.0	6500.0	-4.9	3.2	47.1
878	104	12	16.0	32.0	150.0	557.0	-0.6	270.0	-38.0	8900.0	-5.1	4.1	50.4
879	104	13	18.0	30.0	210.0	590.0	-0.7	-210.0	-40.0	9700.0	7.1	4.3	46.6
880	104	14	15.0	26.0	170.0	500.0	-0.5	-100.0	-36.0	8400.0	-4.9	3.8	45.1
881	104	15	16.0	26.0	160.0	490.0	-0.6	-200.0	-38.0	9800.0	-5.0	3.8	42.2
882	104	16	15.0	24.0	190.0	480.0	-0.7	-240.0	-44.0	9300.0	-5.8	3.9	43.8
883	104	17	13.0	26.0	200.0	390.0	1.1	-100.0	-37.0	6700.0	-5.0	3.4	35.3
884	104	18	20.8	36.0	270.0	687.0	-0.8	-260.0	-51.0	14000.0	-6.2	5.3	55.5
885	104	19	19.0	32.0	110.0	611.0	-0.7	-210.0	-40.0	13000.0	-5.4	4.4	51.0
886	104	20	1.5	-2.0	-100.0	41.0	2.5	-100.0	-10.0	-200.0	-2.0	-0.2	4.0
887	105	1	26.7	40.0	180.0	973.0	-1.1	-300.0	-56.0	7000.0	-7.3	5.4	91.2
888	105	2	20.3	34.0	170.0	600.0	-0.7	220.0	-41.0	14000.0	5.2	4.6	51.7
889	105	3	18.0	28.0	160.0	598.0	-0.7	-220.0	-40.0	10000.0	-5.5	4.4	50.9
890	105	4	13.0	28.0	160.0	460.0	-0.6	-200.0	-37.0	5400.0	-5.2	3.9	41.0
891	105	5	16.0	32.0	150.0	553.0	-0.7	-220.0	-41.0	9100.0	-5.6	4.3	46.0
892	105	6	17.0	33.0	270.0	541.0	1.0	-220.0	-42.0	8700.0	-5.7	4.3	47.1
893	105	7	15.0	29.0	140.0	511.0	-0.7	-210.0	-39.0	8500.0	-5.4	3.9	43.3
894	105	8	15.0	27.0	190.0	510.0	-0.7	-210.0	-39.0	7700.0	-5.4	4.3	43.6
895	105	9	-0.2	3.0	160.0	14.0	2.3	-100.0	-10.0	-450.0	-2.0	0.5	4.5
896	106	1	20.0	29.0	-100.0	645.0	-0.8	-220.0	-41.0	11000.0	-5.6	4.7	55.1

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
897	106	2	21.6	32.0	140.0	749.0	-0.9	-240.0	-46.0	12000.0	-6.2	5.0	61.8
898	106	3	21.6	29.0	-100.0	656.0	-0.8	220.0	-40.0	12000.0	-5.5	4.1	56.9
899	106	4	22.7	34.0	150.0	765.0	-0.9	-240.0	-46.0	15000.0	-6.1	4.9	59.4
900	106	5	23.0	36.0	-100.0	719.0	-0.8	-240.0	-46.0	15000.0	-6.2	5.4	59.6
901	106	6	30.0	36.0	-100.0	1090.0	-1.3	-310.0	-76.0	16000.0	-8.2	5.5	77.2
902	106	7	24.4	36.0	190.0	842.0	-1.0	-250.0	-47.0	15000.0	-6.7	5.5	60.5
903	106	8	23.6	30.0	240.0	701.0	1.0	-250.0	-48.0	14000.0	-7.2	4.4	50.4
904	106	9	17.0	30.0	200.0	504.0	-0.8	-220.0	-42.0	11000.0	-5.8	4.2	41.6
905	106	10	17.0	34.0	210.0	567.0	-0.8	-220.0	-42.0	9900.0	-6.0	4.8	43.2
906	106	11	15.0	30.0	-100.0	555.0	-0.8	-220.0	-43.0	9300.0	-6.1	4.6	41.1
907	106	12	14.0	27.0	-100.0	503.0	-0.7	-210.0	-40.0	9400.0	-5.5	4.2	41.2
908	106	13	16.0	32.0	140.0	535.0	-0.7	-220.0	-42.0	9300.0	-5.9	4.7	43.0
909	106	14	9.3	19.0	170.0	350.0	-0.6	-100.0	-30.0	5300.0	-4.6	2.8	27.3
910	106	15	16.0	29.0	140.0	561.0	-0.8	-230.0	-43.0	10000.0	-6.0	4.8	44.6
911	106	16	17.0	33.0	-100.0	575.0	-0.9	-230.0	-43.0	11000.0	-6.1	4.6	45.0
912	106	17	22.4	34.0	200.0	614.0	-0.9	-250.0	-47.0	11000.0	-6.6	4.8	47.6
913	106	18	16.0	34.0	170.0	570.0	-0.8	-220.0	-42.0	10000.0	-5.9	4.5	45.1
914	107	1	16.0	27.0	-100.0	599.0	-0.8	-210.0	-40.0	9600.0	-5.7	4.1	51.7
915	107	2	22.2	39.0	190.0	828.0	-1.1	320.0	-47.0	17000.0	-6.7	5.1	66.4
916	107	3	23.7	40.0	160.0	908.0	-1.2	-280.0	-53.0	17000.0	8.5	5.5	75.2
917	107	4	24.4	31.0	140.0	674.0	-1.0	-230.0	-44.0	15000.0	-6.2	4.4	66.4
918	107	5	22.4	34.0	150.0	793.0	-1.0	280.0	-47.0	13000.0	-6.7	4.7	69.1
919	107	6	24.0	34.0	-100.0	786.0	-0.2	-290.0	-48.0	17000.0	-2.0	4.9	73.4
920	107	7	28.1	36.0	250.0	845.0	0.5	-290.0	-48.0	18000.0	-2.0	5.5	67.9
921	107	8	22.7	34.0	-100.0	709.0	0.3	-270.0	-45.0	15000.0	-2.0	5.2	60.9
922	107	9	22.8	35.0	-100.0	724.0	0.3	-270.0	-53.0	14000.0	-2.0	5.7	60.6
923	107	10	22.4	37.0	-100.0	758.0	0.5	-270.0	-45.0	16000.0	-2.0	5.5	58.8
924	107	11	23.4	36.0	270.0	741.0	0.6	-260.0	-44.0	18000.0	-2.0	5.6	55.6
925	107	12	24.6	40.0	-100.0	719.0	0.3	-270.0	-46.0	18000.0	-2.0	5.6	56.3
926	107	13	25.0	38.0	-100.0	751.0	0.3	-270.0	-52.0	20000.0	-2.0	5.5	57.5
927	107	14	22.4	38.0	-100.0	686.0	0.5	-250.0	-43.0	18000.0	-2.0	5.3	56.0
928	107	15	20.2	32.0	-100.0	619.0	0.5	-230.0	-38.0	14000.0	-2.0	5.0	53.5
929	107	16	20.6	39.0	180.0	707.0	0.4	-250.0	-42.0	15000.0	-2.0	5.4	57.3
930	107	17	15.0	36.0	-100.0	631.0	0.4	-250.0	-42.0	5600.0	3.0	5.0	58.9
931	107	18	12.0	29.0	140.0	599.0	0.3	-250.0	-42.0	5600.0	3.7	5.1	68.0
932	107	19	12.0	27.0	150.0	588.0	0.5	-230.0	-49.0	7700.0	-2.0	5.3	65.9
933	107	20	12.0	27.0	180.0	420.0	0.5	-100.0	-33.0	6700.0	-2.0	3.6	43.2
934	107	21	15.0	33.0	170.0	547.0	0.3	-240.0	-46.0	11000.0	-2.0	5.1	48.1
935	107	22	15.0	34.0	-100.0	564.0	-0.2	-240.0	-46.0	9100.0	-2.0	4.8	47.9
936	107	23	2.1	2.0	-100.0	54.0	2.6	-100.0	-10.0	-200.0	-2.0	0.4	5.6
937	108	1	19.0	25.0	250.0	758.0	-78.0	-260.0	-68.0	8700.0	-56.0	4.4	54.5
938	108	2	-240.0	-37.0	-310.0	537.0	-5.0	-900.0	-320.0	8500.0	-750.0	-2.8	53.0
939	108	3	17.0	24.0	190.0	534.0	0.4	-100.0	-33.0	10000.0	-2.0	4.1	45.0
940	108	4	15.0	32.0	230.0	547.0	0.2	-210.0	-36.0	10000.0	-2.0	4.7	45.4
941	108	5	16.0	34.0	-100.0	560.0	0.3	240.0	-36.0	11000.0	3.1	4.7	47.4
942	108	6	18.0	36.0	-100.0	586.0	0.2	240.0	-37.0	11000.0	-2.0	4.8	49.4
943	108	7	15.0	33.0	230.0	586.0	0.4	-230.0	-39.0	10000.0	-2.0	4.9	47.3
944	108	8	17.0	35.0	160.0	602.0	-0.3	-280.0	-48.0	11000.0	-2.0	4.9	48.4
945	108	9	18.0	38.0	190.0	756.0	0.6	-300.0	-52.0	13000.0	-4.2	5.3	59.7
946	108	10	18.0	37.0	160.0	655.0	-0.3	-280.0	-47.0	11000.0	3.6	5.4	53.0
947	108	11	19.0	39.0	-100.0	790.0	-0.3	-300.0	-51.0	12000.0	-4.2	5.2	61.1
948	108	12	20.9	40.0	230.0	724.0	-0.3	-300.0	-52.0	13000.0	3.8	5.9	55.2
949	108	13	19.0	35.0	210.0	683.0	-0.3	-290.0	-49.0	11000.0	-4.5	5.2	51.2
950	108	14	0.9	-2.0	130.0	38.0	3.1	-100.0	-10.0	-200.0	-2.0	0.2	4.6
951	109	1	20.7	37.0	180.0	628.0	0.4	-290.0	-50.0	13000.0	-4.1	5.2	53.0
952	109	2	23.1	38.0	210.0	673.0	-0.3	-300.0	-52.0	16000.0	-4.3	5.8	54.2

Recor	Hole	Samp	U	Yb	Zn	Ce	NaZ	Sn	Te	Zr	Br	Lu	Sm
953	109	3	21.8	35.0	280.0	631.0	0.5	-280.0	-48.0	13000.0	-4.0	5.3	52.7
954	109	4	20.1	36.0	-100.0	609.0	-0.3	-280.0	-47.0	14000.0	-4.1	5.4	48.9
955	109	5	19.0	36.0	-100.0	611.0	0.3	-270.0	-45.0	11000.0	-4.0	5.1	49.8
956	109	6	19.0	33.0	-100.0	604.0	0.3	-260.0	-44.0	10000.0	-2.0	4.9	51.6
957	109	7	18.0	38.0	-100.0	626.0	0.4	-290.0	-50.0	9300.0	-4.2	5.6	58.8
958	109	8	20.2	32.0	-100.0	725.0	-0.3	-280.0	-54.0	11000.0	5.6	5.6	64.0
959	109	9	21.3	40.0	-100.0	689.0	-0.3	-290.0	-49.0	13000.0	-4.2	5.7	60.9
960	109	10	20.0	35.0	230.0	653.0	-0.3	-280.0	-47.0	13000.0	-4.1	5.4	59.8
961	109	11	17.0	31.0	160.0	570.0	-0.5	-200.0	-47.0	8900.0	-5.0	4.0	52.3
962	109	12	18.0	27.0	160.0	570.0	0.8	-200.0	-53.0	12000.0	-5.0	4.3	50.0
963	109	13	17.0	32.0	-100.0	590.0	-0.6	-200.0	-49.0	11000.0	-5.0	4.7	49.0
964	109	14	19.0	29.0	-100.0	590.0	-0.6	-200.0	-50.0	12000.0	6.1	4.8	50.6
965	109	15	18.0	31.0	-100.0	590.0	-0.6	-200.0	-49.0	10000.0	-5.0	4.6	49.0
966	109	16	15.0	28.0	180.0	490.0	-0.6	-200.0	-47.0	8800.0	-5.0	3.8	41.0
967	109	17	20.0	36.0	-100.0	700.0	-0.7	-200.0	-54.0	14000.0	-5.0	4.7	53.2
968	109	18	18.0	35.0	170.0	650.0	-0.7	-200.0	-53.0	13000.0	-5.0	4.5	51.7
969	109	19	19.0	34.0	-100.0	730.0	-0.7	-200.0	-52.0	12000.0	-5.0	4.9	54.6
970	109	20	2.1	2.0	110.0	58.0	2.7	-100.0	-10.0	540.0	-2.0	0.2	5.6
971	110	1	26.0	45.0	350.0	890.0	-0.8	-200.0	-65.0	14000.0	-5.0	5.3	68.2
972	110	2	18.0	39.0	-100.0	750.0	-0.7	-200.0	77.0	10000.0	-5.0	5.1	63.6
973	110	3	14.0	36.0	-100.0	680.0	-0.7	-200.0	93.0	6300.0	-5.0	4.6	58.9
974	110	4	15.0	29.0	-100.0	690.0	-0.7	-200.0	-51.0	6000.0	-5.0	4.4	58.7
975	110	5	19.0	31.0	250.0	670.0	0.9	-200.0	-52.0	12000.0	-5.0	4.2	53.9
976	110	6	20.0	35.0	-100.0	690.0	-0.7	-200.0	-52.0	11000.0	-5.0	5.0	56.7
977	110	7	17.0	34.0	-100.0	670.0	-0.7	-200.0	-50.0	9800.0	-5.0	4.7	54.8
978	110	8	18.0	39.0	220.0	760.0	-0.7	-200.0	-55.0	14000.0	-5.0	5.2	61.2
979	110	9	17.0	39.0	-100.0	830.0	-0.8	-200.0	-60.0	8200.0	-5.0	5.4	64.4
980	110	10	20.0	36.0	-100.0	800.0	-0.8	-200.0	-57.0	10000.0	-5.0	4.6	60.7
981	110	11	11.0	27.0	170.0	410.0	-0.5	-200.0	-44.0	6800.0	-5.0	3.4	36.0
982	110	12	17.0	34.0	160.0	660.0	-0.7	-200.0	-54.0	7000.0	-5.0	4.7	47.0
983	110	13	2.2	-2.0	-100.0	57.0	2.7	-100.0	-10.0	-200.0	-2.0	0.2	5.6
984	111	1	17.0	33.0	-100.0	660.0	-0.7	-200.0	-51.0	11000.0	-5.0	4.3	57.1
985	111	2	17.0	32.0	-100.0	640.0	-0.7	-200.0	-51.0	11000.0	-5.0	4.2	54.0
986	111	3	18.0	35.0	260.0	670.0	-0.7	-200.0	-54.0	12000.0	-5.0	4.8	56.6
987	111	4	18.0	38.0	220.0	670.0	-0.7	-200.0	-56.0	14000.0	6.1	5.1	58.8
988	111	5	17.0	32.0	180.0	630.0	0.7	-200.0	-51.0	10000.0	-5.0	4.6	54.1
989	111	6	19.0	31.0	-100.0	620.0	-0.7	-200.0	-50.0	13000.0	-5.0	4.7	51.4
990	111	7	18.0	34.0	-100.0	600.0	-0.7	-200.0	-54.0	13000.0	6.4	4.6	50.5
991	111	8	20.0	34.0	-100.0	640.0	-0.7	-200.0	-52.0	14000.0	-5.0	4.7	50.4
992	111	9	19.0	35.0	-100.0	620.0	-0.7	-200.0	-52.0	13000.0	-5.0	5.2	48.0
993	111	10	19.0	32.0	-100.0	590.0	-0.7	-200.0	-52.0	13000.0	-5.0	4.8	49.0
994	111	11	21.0	34.0	200.0	680.0	-0.7	-200.0	-53.0	13000.0	-5.0	5.0	50.4
995	111	12	2.2	-2.0	130.0	69.0	4.3	-100.0	-10.0	580.0	-2.0	-0.2	5.3
996	112	1	20.0	34.0	260.0	720.0	-0.8	-200.0	-58.0	12000.0	-5.0	5.0	56.8
997	112	2	20.0	32.0	180.0	630.0	0.8	-200.0	-52.0	14000.0	-5.0	4.7	51.3
998	112	3	19.0	36.0	170.0	600.0	-0.8	-200.0	-54.0	13000.0	-5.0	4.9	49.0
999	112	4	19.0	33.0	-100.0	620.0	-0.8	-200.0	-53.0	11000.0	-5.0	4.4	50.7
1000	112	5	18.0	31.0	190.0	600.0	-0.7	-200.0	-49.0	11000.0	-5.0	4.5	50.4
1001	112	6	23.0	32.0	220.0	650.0	1.0	-200.0	-52.0	15000.0	6.5	4.8	53.6
1002	112	7	2.2	-2.0	170.0	45.0	2.4	-100.0	-10.0	-420.0	-2.0	0.3	5.7
1003	113	1	20.0	23.0	150.0	560.0	-0.7	-200.0	-47.0	13000.0	-5.0	3.4	53.8
1004	113	2	20.0	30.0	-100.0	630.0	-0.7	-200.0	-52.0	12000.0	-5.0	4.2	55.4
1005	113	3	20.4	28.0	190.0	588.0	0.4	-270.0	-47.0	10000.0	-4.3	4.4	51.4
1006	113	4	16.0	30.0	-100.0	594.0	0.6	300.0	-48.0	9300.0	-4.6	4.3	48.3
1007	113	5	18.0	33.0	-100.0	569.0	0.4	490.0	-47.0	9100.0	-4.4	4.6	49.7
1008	113	6	16.0	26.0	-100.0	607.0	0.5	-280.0	-49.0	8800.0	-4.5	3.8	50.1

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
1009	113	7	20.8	27.0	160.0	698.0	-0.3	-290.0	-49.0	12000.0	5.1	4.5	53.6
1010	113	8	23.5	27.0	170.0	661.0	0.5	-290.0	-49.0	15000.0	-4.6	5.0	53.3
1011	113	9	23.1	24.0	-100.0	617.0	0.6	-270.0	-47.0	14000.0	-4.4	4.1	47.5
1012	113	10	19.0	33.0	-100.0	569.0	0.8	-290.0	-50.0	11000.0	-4.8	4.4	46.0
1013	113	11	19.0	24.0	-100.0	591.0	0.4	-270.0	-46.0	13000.0	-4.4	4.3	44.1
1014	113	12	20.3	33.0	270.0	787.0	-0.4	-330.0	-57.0	10000.0	-5.4	5.2	52.8
1015	113	13	1.4	-2.0	-100.0	44.0	3.7	-100.0	-10.0	-200.0	-2.0	0.2	4.4
1016	114	1	20.0	31.0	210.0	686.0	-0.4	-300.0	-51.0	9800.0	4.7	5.2	50.5
1017	114	2	18.0	30.0	250.0	635.0	-0.3	-300.0	-50.0	8400.0	-4.7	4.9	48.1
1018	114	3	18.0	29.0	-100.0	641.0	0.5	-280.0	-48.0	9300.0	-4.6	4.9	46.9
1019	114	4	20.7	27.0	-100.0	650.0	-0.4	-300.0	-51.0	9000.0	-4.8	4.7	49.3
1020	114	5	21.2	30.0	190.0	761.0	-0.4	-320.0	-54.0	8300.0	5.3	4.7	55.7
1021	114	6	28.0	32.0	180.0	634.0	0.5	390.0	-50.0	8500.0	-4.8	4.5	49.0
1022	114	7	23.1	25.0	-100.0	543.0	0.5	-300.0	-53.0	8900.0	-5.0	4.8	43.5
1023	114	8	18.0	28.0	-100.0	592.0	-0.4	-290.0	-50.0	8700.0	5.4	4.4	46.0
1024	114	9	21.4	28.0	-100.0	1030.0	-0.6	-340.0	-59.0	7100.0	-5.6	5.0	70.2
1025	114	10	24.8	36.0	230.0	1120.0	-0.5	390.0	-76.0	10000.0	-5.6	5.2	84.7
1026	114	11	22.2	34.0	-100.0	1050.0	0.9	-320.0	-56.0	8600.0	-5.3	4.7	75.4
1027	114	12	23.3	40.0	210.0	1150.0	0.7	-360.0	-62.0	6900.0	-5.8	5.7	81.2
1028	114	13	23.7	39.0	-100.0	1250.0	-0.6	-350.0	-63.0	7600.0	-5.9	6.2	81.1
1029	114	14	1.2	-2.0	120.0	36.0	3.2	-100.0	-10.0	-200.0	2.1	0.3	3.8
1030	114	15	1.1	-2.0	320.0	37.0	3.5	-100.0	-10.0	-200.0	-2.0	-0.2	3.3
1031	115	1	20.0	32.0	-100.0	661.0	-0.3	-280.0	-49.0	9700.0	-4.8	4.7	50.5
1032	115	2	20.3	27.0	200.0	611.0	-0.4	-280.0	-50.0	9200.0	-4.8	4.7	47.5
1033	115	3	16.0	26.0	-100.0	569.0	0.7	-270.0	-47.0	7800.0	-4.6	4.3	43.3
1034	115	4	21.6	28.0	-100.0	715.0	0.4	330.0	-51.0	11000.0	5.0	4.7	54.7
1035	115	5	26.2	34.0	-100.0	678.0	-0.4	-280.0	-50.0	9800.0	-4.8	5.0	51.1
1036	115	6	24.5	33.0	-100.0	743.0	-0.4	-310.0	-54.0	12000.0	-5.4	5.4	57.1
1037	115	7	25.0	33.0	230.0	686.0	-0.5	-380.0	-67.0	12000.0	-7.0	5.1	50.0
1038	115	8	21.8	31.0	-100.0	634.0	0.8	-280.0	-49.0	11000.0	-4.9	4.8	46.9
1039	115	9	19.0	27.0	170.0	563.0	0.7	-280.0	-49.0	10000.0	4.7	4.8	43.9
1040	115	10	19.0	30.0	230.0	571.0	-0.4	-300.0	-52.0	12000.0	-5.3	5.0	45.9
1041	115	11	20.7	32.0	-100.0	584.0	-0.4	-300.0	-53.0	11000.0	-5.3	5.3	44.7
1042	115	12	16.0	28.0	-100.0	534.0	0.5	380.0	-47.0	8800.0	-4.8	4.6	43.1
1043	115	13	24.0	31.0	230.0	708.0	-0.5	-310.0	-54.0	12000.0	-5.6	5.3	51.6
1044	115	14	27.9	38.0	-100.0	1160.0	-0.7	-400.0	-72.0	12000.0	-7.3	6.1	74.8
1045	115	15	20.9	32.0	-100.0	1020.0	0.7	-420.0	-73.0	7000.0	-6.8	4.8	66.8
1046	115	16	16.0	21.0	-100.0	620.0	1.1	-490.0	-86.0	4000.0	-8.5	2.9	44.7
1047	115	17	18.0	26.0	310.0	856.0	-0.6	-320.0	-57.0	6900.0	-5.6	4.2	48.2
1048	115	18	1.2	-2.0	-100.0	21.0	2.7	-100.0	-10.0	-200.0	2.5	-0.2	2.1
1049	116	1	22.1	27.0	210.0	588.0	-0.2	310.0	-40.0	11000.0	-2.0	4.4	69.7
1050	116	2	16.0	24.0	100.0	500.0	0.3	150.0	-26.0	9000.0	-2.0	4.1	54.1
1051	116	3	20.2	32.0	-100.0	681.0	0.5	210.0	-31.0	12000.0	-2.0	5.5	63.9
1052	116	4	20.0	30.0	-100.0	615.0	0.5	-100.0	-36.0	13000.0	-2.0	5.5	58.5
1053	116	5	3.5	-2.0	150.0	76.0	3.2	-100.0	-10.0	-470.0	-2.0	0.4	5.8
1054	117	1	18.0	33.0	200.0	708.0	0.3	-100.0	-31.0	9400.0	4.0	5.4	64.6
1055	117	2	16.0	28.0	230.0	609.0	-0.3	-230.0	-39.0	9500.0	-4.3	4.8	52.4
1056	117	3	18.0	29.0	140.0	631.0	0.5	290.0	-31.0	9500.0	3.2	5.0	60.2
1057	117	4	20.4	26.0	130.0	688.0	0.7	200.0	-29.0	8100.0	-2.0	4.6	63.3
1058	117	5	19.0	29.0	170.0	569.0	0.4	190.0	-25.0	9000.0	-2.0	5.0	55.0
1059	117	6	2.5	2.0	150.0	66.0	3.6	-100.0	-10.0	470.0	2.1	0.4	6.3
1060	118	1	20.8	31.0	-100.0	691.0	0.5	240.0	-27.0	13000.0	3.1	5.1	65.0
1061	118	2	21.0	31.0	-100.0	638.0	-0.2	270.0	-37.0	11000.0	-2.0	5.1	63.5
1062	118	3	21.8	30.0	-100.0	656.0	0.6	200.0	-34.0	12000.0	-2.0	5.2	65.0
1063	118	4	22.4	33.0	180.0	680.0	0.3	180.0	-28.0	13000.0	-2.0	5.7	69.0
1064	118	5	22.6	28.0	140.0	628.0	0.3	-100.0	-26.0	14000.0	-2.0	5.6	65.1

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
1065	118	6	22.2	35.0	-100.0	694.0	0.3	-100.0	-29.0	12000.0	-2.0	5.4	72.0
1066	118	7	24.1	33.0	140.0	673.0	0.4	-100.0	-27.0	14000.0	-2.0	6.1	67.5
1067	118	8	2.0	-2.0	-100.0	41.0	2.5	-100.0	-10.0	-200.0	-2.0	0.3	4.5
1068	119	1	20.0	29.0	150.0	604.0	0.3	-100.0	-26.0	12000.0	2.1	5.2	60.2
1069	119	2	1.4	-2.0	140.0	61.0	3.6	-100.0	-10.0	-420.0	2.0	0.4	5.3
1070	120	1	19.0	27.0	150.0	607.0	0.5	220.0	-26.0	12000.0	2.4	5.1	60.5
1071	120	2	1.7	2.0	170.0	55.0	3.2	-100.0	-10.0	480.0	-2.0	0.4	5.8
1072	121	1	22.2	37.0	150.0	697.0	0.3	-100.0	-46.0	11000.0	-2.0	6.7	70.1
1073	121	2	2.3	-2.0	110.0	64.0	2.4	-100.0	-10.0	390.0	-2.0	0.4	6.1
1074	122	1	20.5	25.0	-100.0	563.0	0.3	210.0	-44.0	12000.0	-2.0	4.4	67.4
1075	122	2	19.0	28.0	160.0	612.0	0.3	-100.0	-38.0	11000.0	-2.0	4.6	65.8
1076	122	3	20.7	29.0	-100.0	703.0	-0.2	-240.0	-41.0	10000.0	-2.0	5.4	70.4
1077	122	4	21.3	29.0	180.0	730.0	0.4	-100.0	-45.0	9800.0	2.4	5.1	69.4
1078	122	5	20.6	31.0	160.0	636.0	0.4	-100.0	-50.0	13000.0	2.3	5.4	68.1
1079	122	6	13.0	28.0	130.0	522.0	0.2	150.0	-22.0	4800.0	-2.0	4.5	54.6
1080	122	7	22.6	28.0	100.0	636.0	0.5	230.0	-26.0	14000.0	-2.0	5.0	66.7
1081	122	8	16.0	30.0	-100.0	571.0	0.3	290.0	-28.0	5300.0	-2.0	4.8	60.4
1082	122	9	19.0	27.0	-100.0	596.0	0.6	-100.0	-25.0	11000.0	2.6	4.7	61.4
1083	122	10	2.1	-2.0	120.0	69.0	3.4	-100.0	-10.0	-200.0	2.3	0.3	6.0
1084	123	1	19.0	29.0	140.0	682.0	0.3	160.0	-25.0	10000.0	-2.0	5.0	68.1
1085	123	2	18.0	31.0	-100.0	644.0	0.6	190.0	-25.0	7700.0	-2.0	5.2	69.6
1086	123	3	21.6	29.0	110.0	663.0	0.4	-100.0	-25.0	15000.0	2.3	5.0	68.0
1087	123	4	21.7	26.0	100.0	591.0	-0.2	-100.0	-27.0	14000.0	-2.0	5.0	64.0
1088	123	5	26.2	32.0	120.0	750.0	0.4	-100.0	-41.0	14000.0	-2.0	5.7	74.8
1089	123	6	14.0	30.0	110.0	552.0	0.2	-100.0	-29.0	7800.0	-2.0	5.2	57.9
1090	123	7	1.0	-2.0	150.0	38.0	3.8	-100.0	-10.0	-200.0	-2.0	-0.2	3.7
1091	124	1	27.8	32.0	170.0	858.0	0.5	380.0	-33.0	17000.0	-2.0	5.6	82.2
1092	124	2	21.9	34.0	150.0	667.0	0.4	-100.0	-32.0	14000.0	-2.0	5.7	67.5
1093	124	3	20.9	31.0	130.0	639.0	0.3	170.0	-29.0	14000.0	2.6	5.5	66.5
1094	124	4	23.3	30.0	140.0	662.0	0.3	-100.0	-36.0	17000.0	-2.0	5.4	67.3
1095	124	5	27.9	25.0	120.0	606.0	0.4	-100.0	-31.0	19000.0	-2.0	4.7	71.0
1096	124	6	26.5	30.0	130.0	636.0	0.5	400.0	-35.0	19000.0	-2.0	4.9	73.2
1097	124	7	26.2	21.0	180.0	609.0	0.5	-310.0	-54.0	15000.0	-5.8	4.4	50.6
1098	124	8	24.4	29.0	-100.0	656.0	0.5	-280.0	-49.0	16000.0	-5.1	4.8	49.0
1099	124	9	24.8	29.0	200.0	674.0	0.6	-280.0	-49.0	15000.0	-5.2	5.2	51.4
1100	124	10	26.5	28.0	-100.0	649.0	0.8	-300.0	-54.0	18000.0	-5.6	4.8	50.0
1101	124	11	28.2	32.0	190.0	680.0	0.6	-280.0	-50.0	18000.0	-5.2	5.3	52.7
1102	124	12	26.2	27.0	220.0	668.0	0.6	-260.0	-47.0	17000.0	-4.9	5.1	50.6
1103	124	13	23.9	28.0	180.0	638.0	0.6	-250.0	-45.0	16000.0	6.0	4.7	47.3
1104	124	14	24.4	31.0	220.0	649.0	-0.5	-280.0	-49.0	15000.0	5.5	4.5	48.9
1105	124	15	21.0	41.0	-100.0	950.0	-0.6	-320.0	-57.0	11000.0	7.9	6.1	66.1
1106	124	16	26.5	43.0	190.0	1040.0	-0.6	-350.0	-61.0	13000.0	-6.1	6.2	69.5
1107	124	17	0.8	-2.0	-100.0	37.0	3.8	-100.0	-10.0	-400.0	3.2	0.2	5.5
1108	125	1	24.7	33.0	-100.0	826.0	0.8	-310.0	-57.0	13000.0	-5.6	5.4	59.9
1109	125A	1	23.3	35.0	250.0	918.0	-0.6	400.0	-59.0	10000.0	-6.3	5.3	62.3
1110	125A	2	20.0	40.0	-100.0	1000.0	-0.6	-340.0	-58.0	9400.0	-6.1	6.1	65.6
1111	125A	3	18.0	43.0	280.0	884.0	-0.6	-310.0	-56.0	6200.0	-5.9	6.9	56.1
1112	126	1	20.1	29.0	-100.0	737.0	-0.5	-290.0	-51.0	10000.0	-5.4	5.1	52.6
1113	126	2	22.2	32.0	-100.0	641.0	0.7	350.0	-51.0	10000.0	-5.4	5.0	50.0
1114	126	3	20.1	34.0	-100.0	633.0	-0.5	-310.0	-57.0	12000.0	-6.1	5.5	47.6
1115	126	4	20.0	26.0	240.0	605.0	-0.5	-280.0	-51.0	11000.0	5.2	5.0	45.0
1116	126	5	16.0	20.0	-100.0	520.0	-0.5	-320.0	-55.0	7700.0	7.3	3.8	41.3
1117	126	6	0.9	-2.0	120.0	30.0	3.4	-100.0	-10.0	-200.0	2.4	0.3	3.1
1118	127	1	21.6	26.0	-100.0	640.0	-0.5	-280.0	-51.0	11000.0	-5.4	4.6	54.6
1119	127	2	25.4	33.0	160.0	749.0	-0.5	-280.0	-51.0	14000.0	-5.6	4.8	57.7
1120	127	3	22.1	25.0	210.0	673.0	-0.5	-270.0	-48.0	11000.0	-5.3	4.9	51.5

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
1121	127	4	25.6	31.0	290.0	699.0	-0.5	410.0	-48.0	12000.0	-5.1	5.1	50.8
1122	127	5	22.4	27.0	240.0	696.0	0.6	-270.0	-49.0	10000.0	-5.3	4.9	52.6
1123	127	6	22.6	30.0	200.0	673.0	-0.5	290.0	-48.0	11000.0	-5.6	4.7	50.2
1124	127	7	24.5	33.0	-100.0	766.0	0.7	-280.0	-50.0	11000.0	-5.5	5.0	55.7
1125	127	8	23.2	27.0	150.0	600.0	-0.5	-260.0	-46.0	12000.0	6.4	4.4	48.5
1126	127	9	25.4	30.0	-100.0	763.0	-0.6	-290.0	-51.0	12000.0	-5.6	5.0	52.2
1127	127	10	24.2	32.0	150.0	680.0	0.5	450.0	-48.0	11000.0	-5.4	5.2	50.6
1128	127	11	25.1	30.0	-100.0	704.0	-0.6	-300.0	-53.0	11000.0	-6.1	5.0	51.0
1129	127	12	27.0	33.0	200.0	702.0	-0.5	-280.0	-50.0	11000.0	-5.4	5.0	51.9
1130	127	13	24.3	30.0	160.0	690.0	-0.5	-270.0	-49.0	12000.0	-5.4	5.0	50.5
1131	127	14	25.7	31.0	-100.0	734.0	-0.6	-290.0	-53.0	12000.0	-5.9	4.9	53.4
1132	127	15	18.0	27.0	-100.0	651.0	-0.6	-270.0	-50.0	7500.0	-5.5	4.5	45.3
1133	127	16	24.1	28.0	200.0	704.0	-0.6	-300.0	-53.0	9800.0	-6.0	4.8	49.6
1134	127	17	20.0	32.0	200.0	641.0	0.6	-280.0	-50.0	9400.0	-5.7	4.7	48.8
1135	127	18	17.0	25.0	-100.0	558.0	-0.5	-280.0	-50.0	9000.0	-5.6	4.2	43.3
1136	127	19	18.0	23.0	-100.0	545.0	0.7	-290.0	-51.0	9300.0	-5.7	4.0	42.4
1137	127	20	17.0	22.0	-100.0	450.0	-0.5	-290.0	-51.0	7700.0	-6.2	3.2	41.0
1138	127	21	1.2	-2.0	-100.0	40.0	2.5	-100.0	-10.0	340.0	-2.0	-0.2	3.7
1139	128	1	20.0	27.0	-100.0	694.0	-0.7	370.0	-60.0	11000.0	-7.0	4.3	51.7
1140	128	2	20.0	25.0	-100.0	582.0	-0.6	-270.0	-48.0	9500.0	-5.5	4.0	49.1
1141	128	3	19.0	24.0	200.0	556.0	0.7	-260.0	-45.0	8800.0	-5.2	4.2	46.2
1142	128	4	20.0	29.0	240.0	563.0	-0.5	280.0	-49.0	13000.0	-5.6	4.7	45.5
1143	128	5	17.0	25.0	-100.0	500.0	0.5	-240.0	-43.0	8600.0	-5.2	4.0	39.6
1144	128	6	17.0	27.0	150.0	490.0	-0.5	-240.0	-43.0	10000.0	-5.0	4.4	41.6
1145	128	7	18.0	25.0	190.0	500.0	-0.5	-250.0	-45.0	11000.0	-5.2	4.2	42.7
1146	128	8	19.0	25.0	170.0	570.0	-0.5	-240.0	-45.0	12000.0	-5.2	4.6	44.6
1147	128	9	19.0	28.0	-100.0	541.0	-0.5	430.0	-44.0	11000.0	-5.1	4.4	43.9
1148	128	10	15.0	24.0	-100.0	537.0	-0.4	-250.0	-44.0	9000.0	-5.2	4.0	42.7
1149	128	11	17.0	31.0	190.0	559.0	-0.5	-260.0	-45.0	7600.0	-5.5	4.6	42.8
1150	128	12	17.0	30.0	-100.0	599.0	-0.6	-250.0	-46.0	10000.0	-5.3	4.7	45.1
1151	128	13	16.0	27.0	-100.0	551.0	-0.5	330.0	-45.0	8100.0	-5.3	4.7	43.8
1152	128	14	20.6	32.0	140.0	642.0	-0.6	270.0	-45.0	13000.0	-5.5	5.6	48.0
1153	128	15	24.7	34.0	-100.0	881.0	-0.7	-290.0	-54.0	13000.0	-6.3	5.6	64.5
1154	128	16	15.0	25.0	-100.0	530.0	-0.5	-250.0	-45.0	8600.0	-5.3	4.3	40.7
1155	128	17	1.1	-2.0	130.0	41.0	2.9	-100.0	-10.0	-200.0	2.4	-0.2	3.9
1156	129	1	18.0	28.0	-100.0	578.0	-0.6	-260.0	-46.0	9800.0	7.6	4.8	45.0
1157	129	2	16.0	23.0	-100.0	504.0	-0.5	-250.0	-45.0	8700.0	-5.4	3.9	41.6
1158	129	3	18.0	26.0	150.0	584.0	-0.5	-260.0	-46.0	11000.0	-5.5	4.2	41.7
1159	129	4	17.0	29.0	170.0	604.0	-0.6	-270.0	-48.0	8700.0	-5.8	4.8	43.0
1160	129	5	23.0	26.0	-100.0	636.0	-0.7	340.0	-54.0	12000.0	-6.7	4.6	47.9
1161	129	6	20.0	25.0	-100.0	641.0	-0.7	-300.0	-55.0	12000.0	-7.0	4.8	47.0
1162	129	7	18.0	27.0	270.0	628.0	-0.6	-270.0	-49.0	11000.0	-6.0	5.1	47.2
1163	129	8	16.0	27.0	170.0	578.0	-0.6	-260.0	-47.0	9700.0	-5.9	4.2	45.1
1164	129	9	12.0	24.0	-100.0	490.0	-0.5	-230.0	-41.0	6200.0	-5.0	4.1	39.8
1165	129	10	17.0	33.0	-100.0	571.0	-0.7	-300.0	-55.0	9600.0	9.0	5.0	43.4
1166	129	11	0.9	2.0	130.0	34.0	2.9	-100.0	-10.0	-200.0	2.5	0.2	3.7
1167	130	1	20.0	32.0	-100.0	664.0	-0.7	-270.0	-50.0	7500.0	-6.0	4.8	54.9
1168	130	2	21.4	29.0	240.0	731.0	0.7	-270.0	-48.0	11000.0	-5.9	4.9	55.0
1169	130	3	21.4	33.0	-100.0	771.0	-0.7	-280.0	-51.0	11000.0	-6.1	4.8	57.8
1170	130	4	20.0	30.0	-100.0	692.0	-0.7	-260.0	-47.0	11000.0	-6.0	4.7	51.6
1171	130	5	21.8	32.0	200.0	668.0	-0.8	-310.0	-57.0	11000.0	-7.2	5.1	47.5
1172	130	6	19.0	22.0	-100.0	585.0	-0.7	-260.0	-46.0	10000.0	-5.9	4.1	45.6
1173	130	7	20.5	27.0	-100.0	624.0	-0.6	-260.0	-48.0	13000.0	-5.9	5.1	49.9
1174	130	8	20.0	26.0	-100.0	608.0	-0.6	-240.0	-45.0	10000.0	5.1	4.3	47.8
1175	130	9	19.0	23.0	-100.0	501.0	0.7	-270.0	-50.0	8600.0	5.7	3.8	38.5
1176	130	10	16.0	30.0	170.0	550.0	-0.6	310.0	-48.0	9800.0	-6.0	4.8	41.3

Recor	Hole	Samp	U	Yb	Zn	Ce	Na%	Sn	Te	Zr	Br	Lu	Sm
1177	130	11	1.0	-2.0	150.0	46.0	3.3	-100.0	-10.0	-200.0	-2.0	0.2	4.3
1178	131	1	20.8	33.0	190.0	904.0	1.0	-290.0	-53.0	9300.0	-6.7	5.4	70.2
1179	131	2	22.9	29.0	170.0	936.0	-0.9	-300.0	-55.0	11000.0	-6.9	5.2	74.2
1180	131	3	24.1	32.0	240.0	923.0	-0.9	-310.0	-56.0	12000.0	-7.0	5.2	71.6
1181	131	4	19.0	19.0	210.0	592.0	-0.9	-330.0	-58.0	8600.0	-7.7	3.6	52.7
1182	131	5	18.0	28.0	270.0	569.0	-0.7	-240.0	-46.0	9400.0	-5.9	4.2	48.2
1183	131	6	21.9	32.0	-240.0	920.0	-1.4	-550.0	-100.0	13000.0	-13.0	4.0	64.2
1184	131	7	23.0	34.0	240.0	838.0	-0.9	-290.0	-54.0	15000.0	-6.8	5.0	56.0
1185	131	8	-0.2	-2.0	-100.0	25.0	0.6	-100.0	-10.0	-200.0	-2.0	0.3	4.7
1186	131	9	0.4	2.0	150.0	25.0	1.3	-100.0	-10.0	-440.0	-2.0	0.5	5.2
1187	132	1	26.6	34.0	-100.0	960.0	-0.7	300.0	-41.0	12000.0	-5.3	5.5	75.9
1188	132	2	26.2	32.0	-100.0	856.0	-0.6	-200.0	-38.0	12000.0	-4.9	5.3	62.2
1189	132	3	26.3	32.0	170.0	823.0	0.9	-280.0	-51.0	13000.0	-6.6	5.2	63.0
1190	132	4	24.8	30.0	-100.0	818.0	-0.8	-280.0	-50.0	12000.0	-6.6	5.2	62.0
1191	132	5	24.1	33.0	-100.0	851.0	-0.9	-290.0	-53.0	12000.0	-6.8	5.2	62.6
1192	132	6	24.1	33.0	270.0	856.0	1.1	-290.0	-53.0	11000.0	-6.7	5.6	65.9
1193	132	7	21.5	33.0	250.0	813.0	-0.8	-270.0	-51.0	11000.0	-6.5	5.2	60.9
1194	132	8	-0.2	2.0	-100.0	29.0	1.9	-100.0	-10.0	-200.0	-2.0	0.4	4.3
1195	132	9	-0.2	3.0	130.0	34.0	3.5	-100.0	-10.0	-450.0	2.5	0.4	5.4
1196	133	1	23.4	31.0	120.0	967.0	-0.5	220.0	-30.0	10000.0	-4.1	4.9	77.2
1197	133	2	0.3	3.0	180.0	28.0	2.4	-100.0	-10.0	-440.0	-2.0	0.4	4.8

RAPPORT: 037-6834 (COMPLET)

INFO. DE RIFIRENCE: PO 23485

CLIENT: COGEMA CANADA LTEE
PROJET: 47

SOUMIS PAR: JOHN LEARN
DATE DE L'IMPRESSION: 23-DEC-87

TYPES D'ICHANTILLONS	NOMBRE
H CONC.MINERAUX LOURDS	15

FRACTION UTILISIE	NOMBRE
2 -150	15

PRIP. DE L'ICHAN.	NOMBRE
Pulvirisation -150	1
Enveloppage	1
Mise en Capsules	1

REMARQUES: < MOINS QUE

COPIES DU RAPPORT @: JOHN LEARN

FACTURE @: JOHN LEARN

RAPPORT: 037-6834 PROJET: 47

NUMIRO DE L'ICHANTILLON	ILIMENT UNITIS	Au PPB	Sb PPM	As PPM	Ba PPM	Cd PPM	Cs PPM	Cr PPM	Co PPM	Eu PPM	Hf PPM	Ir PPB	Fe PCT
H2 BOB-87-02-09		<18	1.1	77	<100	39	<1	1300	140	5	228	<100	23.0
H2 BOB-87-06-02		23	1.7	80	<100	<27	<1	1100	330	5	85	<100	26.0
H2 BOB-87-07-05		622	0.8	39	<100	<30	<1	1400	240	7	293	<100	26.0
H2 BOB-87-34-12		25	0.9	132	180	<28	<1	1100	210	5	190	<100	29.0
H2 BOB-87-34-15		41	0.9	101	<100	<35	2	1500	89	9	230	<100	26.0
H2 BOB-87-58-03		<21	0.8	14	<100	<32	<1	1400	110	9	309	<100	25.0
H2 BOB-87-64-03		<20	0.4	16	<100	<29	<1	1300	86	8	261	<100	24.0
H2 BOB-87-74-02		29	<0.2	14	<100	<32	<1	1300	62	8	242	<100	21.0
H2 BOB-87-86-05		59	0.8	36	<100	<30	<1	1300	110	12	180	<100	25.0
H2 BOB-87-89-09		<18	1.7	498	<100	<27	<1	1300	73	6	86	<100	21.0
H2 BOB-87-93-04		160	1.0	14	<100	<28	<1	1400	51	7	200	<100	25.0
H2 BOB-87-94-07		180	0.3	<9	<100	<28	<1	1200	67	10	297	<100	24.0
H2 BOB-87-101-14		590	0.4	14	<100	<24	<1	1000	120	6	221	<100	22.0
H2 BOB-87-104-18		43	0.5	52	<100	<23	<1	1100	81	6	231	<100	22.0
H2 BOB-87-132-05		56	0.4	19	<100	<29	<1	1200	83	10	273	<100	24.0

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NUMIRO DE L'ICHANTILLON	ILIMENT UNITIS	La PPM	Mo PPM	Ni PPM	Rb PPM	Sc PPM	Se PPM	Ag PPM	Ta PPM	Tb PPM	Th PPM	W PPM	U PPM
H2 BOB-87-02-09		340	<5	180	<23	75.6	<10	<5	20	8	188.0	74	24.0
H2 BOB-87-06-02		330	<6	280	27	69.4	<25	<5	39	8	195.0	66	20.0
H2 BOB-87-07-05		380	<6	190	<26	81.5	<28	<11	38	8	197.0	88	28.0
H2 BOB-87-34-12		320	7	140	<24	76.8	<10	<5	19	7	173.0	70	19.0
H2 BOB-87-34-15		702	<8	120	<30	87.6	<23	<12	30	10	413.0	84	33.0
H2 BOB-87-58-03		596	<6	50	<26	103.0	<10	<11	24	11	313.0	52	33.0
H2 BOB-87-64-03		567	<6	67	<24	105.0	<10	<5	24	11	283.0	44	29.0
H2 BOB-87-74-02		702	<7	72	<26	88.3	<10	<10	18	12	414.0	69	29.0
H2 BOB-87-86-05		470	<6	73	34	93.7	<10	<10	28	10	228.0	53	23.0
H2 BOB-87-89-09		330	<5	65	23	87.4	<10	<5	15	7	132.0	43	14.0
H2 BOB-87-93-04		400	<5	<50	<22	101.0	<10	<5	22	8	209.0	65	22.0
H2 BOB-87-94-07		480	<5	60	<22	108.0	<10	<5	20	9	238.0	44	29.0
H2 BOB-87-101-14		330	<4	110	<10	101.0	<10	<5	16	8	142.0	39	21.0
H2 BOB-87-104-18		350	<4	50	<10	94.3	<10	<5	14	7	168.0	39	21.0
H2 BOB-87-132-05		450	<6	83	<24	100.0	<10	<5	23	10	229.0	<29	36.0

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NUMIRO DE L'ICHANTILLON	ILIMENT UNITIS	Yb PPM	Zn PPM	Ce PPM	Na PCT	Sn PPM	Te PPM	Zr PPM	Br PPM	Lu PPM	Sm PPM
H2 BOB-87-02-09		26	<200	650	<0.49	<200	<48	12000	<5	<4.7	46.0
H2 BOB-87-06-02		30	<200	560	0.69	<200	<50	4200	<5	<4.5	44.0
H2 BOB-87-07-05		34	<200	720	<0.49	<200	<69	15000	<5	<5.6	50.7
H2 BOB-87-34-12		30	<200	610	<0.51	<200	<51	9300	<5	<5.0	40.0
H2 BOB-87-34-15		40	<200	1290	<0.78	<470	<64	12000	<5	<6.8	74.5
H2 BOB-87-58-03		44	230	1040	<0.68	<200	<57	16000	<5	<7.3	72.5
H2 BOB-87-64-03		40	<200	980	<0.62	<200	<53	14000	<5	<6.4	73.1
H2 BOB-87-74-02		40	220	1290	<0.73	<200	<57	12000	<5	<5.9	81.8
H2 BOB-87-86-05		38	320	920	<0.61	<310	<58	8900	<5	<6.0	68.8
H2 BOB-87-89-09		30	<200	700	<0.54	<310	<48	4700	<5	<4.4	46.0
H2 BOB-87-93-04		37	<200	770	<0.54	<200	<47	9700	<5	<6.3	51.6
H2 BOB-87-94-07		46	<200	850	<0.58	<340	<50	14000	<5	<6.7	61.0
H2 BOB-87-101-14		32	200	580	<0.45	<200	<41	11000	<5	<5.1	47.0
H2 BOB-87-104-18		32	220	620	<0.45	<320	<20	13000	<5	<5.0	45.0
H2 BOB-87-132-05		39	<200	870	<0.61	<330	<49	14000	<5	<6.4	63.6

A P P E N D I X IV

BEDROCK CHIP DESCRIPTIONS AND CHEMISTRY RESULTS

- Bedrock Chip Description
- Bedrock Chip Rock Geochemistry Results
- Geochemistry Results from New Outcrop (sample JL-40-1)

By: A. Morin
J. Learn
R. St-Jean
January 1988

Ref. No. 87-CND-47-04
(Doc. #0076U)

BEDROCK CHIP DESCRIPTIONS

A. GREYWACKES

SAMPLE #	PURITY*	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-01-10	A+	- biotite schist (BS)	- medium grey (MG)	- biotite (bi) - feldspar (fs) quartz (qz) - minor disseminated sulfide (dissem. sf)	- granolepidoblastic - well foliated (fol'd) - fine-grained (f.gr.)	- thin minor sterile quartz veins (q)
BOB-02-11	A+	- BS	- dark grey (DG) to black (B)	- bi, fs, qz - minor dissem. sf calcite* (cc)	- granolepidoblastic - well fol'd - f.gr.	- thin minor q with minor sf
BOB-03-08	A+	- BS	- DG to B	- bi - fs, qz - pyrite (py) as fracture coatings (fx)	- granolepidoblastic - well fol'd - f.gr.	- minor chloritization (chl'n) of bi - local hematite (hem) stain
BOB-04-05		- metasediment (MS)	- dark green (DGN) rock chips and green clay	- bi, amphibole (amp)	- most of sample drills to clay, very few rock chips - two types of fragments one is BS, one is amp rich - moderately to well fol'd - f.gr.	- local rusty surfaces (sfc)
BOB-05-07	B	- BS	- MG to DG	- bi, fs, qz - possible minor amp - trace chalcopyrite (cpy), py on fx	- granolepidoblastic - well fol'd - f.gr.	- minor chl'n of bi
BOB-06-03	B	- biotite-amphibole schist (BAS)	- DG	- bi - fs, qz - minor amp	- granolepidoblastic - well fol'd - f.gr	- very minor q ± cc veining, sterile

(to be continued)

* A+ = no contamination scales progressively to
D = very strongly contaminated

* presence of cc determined by HCl test in field

A. GREYWACKES (cont'd)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-07-08	B	- BS	- DG to B	- bi, chlorite (chl) - fs, qz - possible minor amp (v.f.gr.)	- granolepidoblastic - well fol'd - very fine grained	- very minor sterile milky q - strong chl'n
BOB-08-03	C	- BS	- light grey (LG) to MG	- bi - fs, qz - v.f.gr.	- granolepidoblastic - well fol'd	- possible minor chl'n of bi
BOB-09-11	B	- BS	- DG to dark greenish grey (DGG)	- fs, qz, bi - minor garnet (gt) and possibly minor amp	- granolepidoblastic - well fol'd - v.f.gr.	---
BOB-10-05	B	- BAS	- DG	- fs, qz, bi - minor amp	- granoblastic - weakly fol'd - grain size variable, common coarse mica flakes (up to 1.5 cm)	- minor carbonate vein, q
BOB-11-02	B	- BS	- B	- bi - fs, qz - possible minor amp	- granoblastic - weakly fol'd - f.gr. to v.f.gr.	- minor q
BOB-12-20	C	- MS	- medium greenish grey (MGG) rock chips and green (GN) clay	- fs, qz, chl - minor gt - very minor SF - very minor cc	- massive - v.f.gr.	---
BOB-13-04	D	- BS	- DG to brownish grey	- bi, fs, qz	- granoblastic - weak to moderate foliation (fol'n)	- minor sterile q
BOB-14-03	B	- BS	- DG to B	- bi - fs, qz - possible minor amp	- granolepidoblastic - well fol'd - f.gr.	- minor q with minor py - minor green dyke or alteration on fx

(to be continued)

A. GREYWACKES (cont'd)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-15-02	B	- BAS	- DG to B	- bi - fs, qz - minor amp	- granolepidoblastic - well fol'd - weakly lineated ? - f.gr.	- minor sterile q
BOB-16-07	B	- BAS	- DGG	- bi - fs, qz - minor amp	- granoblastic - weakly fol'd - f.gr.	- very minor sterile q - minor greenish mafic dyke ?
BOB-17-21	C	- MS	- DG rock chips and GN clay	- fs, qz, bi - possible minor amp - very minor sf	- granoblastic - weakly fol'd - f.gr.	- thin mafic dykes
BOB-18-06	C	- BAS	- DG to B	- bi - fs, qz - minor amp - minor dissem. py and possibly cpy	- granolepidoblastic - well fol'd - f.gr.	---
BOB-19-07	B	- MS	- dark bluish grey to B	- qz - note blue qz - bi, sericite	- granolepidoblastic - well fol'd - f.gr.	- minor white sterile q - sericite on alteration ?
BOB-20-16	C	- BAS	- DG to B	- fs, qz, bi - minor amp - minor dissem. py	- granoblastic - weakly to moderately well fol'd	- rusty surfaces (sfc)
BOB-21-18	B	- BS	- DG	- fs, qz, bi - possible minor amp - a few py cubes	- granoblastic - weakly to moderately well fol'd - v.f.gr. to f.gr.	- minor dark green clay (mafic dykes ?)
BOB-22-05	A	- BS	- B to dark brown - fs, qz - minor dissem. py	- bi - well fol'd - f.gr.	- granolepidoblastic	- very minor q

(to be continued)

A. GREYWACKES (cont'd)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-23-13	B	- BS	- DG to B	- bi - fs, qz - minor dissem. py - minor cc	- granolepidoblastic - well fol'd - f.gr.	---
BOB-26-24	B	- BS	- brownish black	- bi, fs, qz - minor small gt - minor cc and sf	- granolepidoblastic - moderate fol'n - f.gr. with a few coarse mica flakes	- minor q - minor chl in fol'n planes and/or fx and and in q
BOB-27-15	B	- BS	- dark brown	- bi - fs, qz - minor dissem. py	- granoblastic - massive to well fol'd - v.f.gr.	- minor q with chl on vein walls
BOB-28-08	A	- BS	- DG	- bi - fs, qz - minor muscovite or sericite	- granolepidoblastic - well fol'd - f.gr.	- minor sterile q - sericite on alteration ?
BOB-29-16	C	- BAS	- DG to B	- fs, qz, bi - note blue qz - minor amp - minor cc	- granolepidoblastic - moderate fol'n - f.gr.	- minor q with tourmaline (tm) py and possibly arsenopyrite - (asp) - minor cc veinlets
BOB-30-21	C	- BAS	- DGG	- bi - fs, qz - minor amp - abundant dissem. euhedral py, minor cpy	- granolepidoblastic - weakly fol'd - f.gr.	- thin pink granite dyke - siliceous green dyke with minor sf - minor dirty q with sf

(to be continued)

A. GREYWACKES (cont'd)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-31-24	B	- BS	- DG and light greenish grey	- fs, qz, bi - some chip samples more siliceous → two subdivisions of BS may be present in sample - possible minor amp in more mafic chips - abundant dissem. py	- granoblastic - fol'd - f.gr.	- q + epidote vein with sf
BOB-32-14	B	- BAS	- DG	- fs, qz, bi - minor amp - minor cc	- granolepidoblastic - well fol'd - f.gr.	- minor q with tm - chl'n of bi
BOB-33-15	A	- BS	- B to dark brown	- bi - fs, qz - minor gt, possible minor amp - minor cc	- granolepidoblastic - well fol'd - f.gr.	- minor sterile q
BOB-35-10	D	- BS	- DG	- fs, qz, bi - minor cc - minor magnetite (mt) - f.gr.	- granoblastic - weakly to moderately well fol'd	- very minor thin q
BOB-36-16	C	- BS	- DG to brown	- fs, qz, bi - minor dissem. py - minor cc - minor mt	- granolepidoblastic - well fol'd - f.gr.	- minor q with py - minor chl'n of bi
BOB-104-20	B	- BS	- DG to B	- bi, chl - qz, fs	- well fol'd - f.gr.	- minor q
BOB-107-23	B	- BS	- dark brown to B	- bi - qz, fs - dissem. py	- fol'd - f.gr.	- minor q - local chl'n - carbonate on fx

(to be continued)

A. GREYWACKES (cont'd)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-108-14	A	- BAS	- dark brownish grey	- bi, qz, fs - minor amp	- moderately well fol'd - f.gr.	- rusty sfc
BOB-109-20	A	- BS	- brownish black	- bi - qz, fs	- well fol'd - f.gr.	- minor q
BOB-110-13	B	- MS	- dark brown to G and DGN	- bi, qz, chl - amp	- two rock types present, one is BS, well fol'd; other is massive amp rich	- minor q - local chl'n of bi
BOB-111-12	A	- BS	- MG	- qz - bi, fs	- fol'd - v.f.gr. to f.gr.	---
BOB-112-07	A	- BS	- DG	- bi qz, fs	- well fol'd - f.gr.	- local chl'n of bi
BOB-113-13	A	- BAS	- MG to DG	- qz - bi, fs - minor amp - dissem. py	- granoblastic - weakly fol'd - f.gr.	---
BOB-114-14 -15	C B	- BS	- DG	- bi - qz, fs - possible minor amp - minor dissem. py	- well fol'd - f.gr.	---
BOB-116-05	A	- BS	- DG to B	- bi, qz, fs - minor py	- fol'd - f.gr. to v.f.gr.	- minor q
BOB-117-06	A	- BS	- DG to brownish black	- bi - qz, fs - minor gt	- lepidoblastic - well fol'd - f.gr.	- minor q

(to be continued)

A. GREYWACKES (cont'd)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-118-08	A+	- BS	- DG to brownish black	- bi - qz, fs - minor py	- lepidoblastic - well fol'd - f.gr.	- minor q
BOB-119-02	A+	- BS	- DG to slightly grenish grey	- Bi, qz, fs	- granolepidoblastic - well fol'd - f.gr.	- local chl'n of bi
BOB-120-02	C	- BS	- DG to B	- bi, qz, fs - minor dissem. py	- granolepidoblastic - moderately well fol'd - f.gr.	- minor q - rusty sfc
BOB-121-02	A	- BS	- dark brownish grey to B	- bi - qz, fs - minor gt	- lepidoblastic - very well fol'd - f.gr.	- minor q - weak chl'n
BOB-122-10	B	- BS	- DG	- bi - qz, fs	- lepidoblastic - well fol'd - f.gr.	- minor q - carbonate on fx - local chl'n - rusty sfc
BOB-123-07 -08x -09x	A C B	- BAS	- DG to B	- bi, qz, fs - minor amp	- interbedded amp bearing and bi-rich layers - weakly to moderately fol'd - f.gr.	---
BOB-125A-04x	C	- BS	- brownish black	- bi - qz, fs - minor gt	- lepidoblastic - well fol'd - f.gr.	- abundant q
BOB-126-06	C	- BS	- DG	- bi, qz, fs - minor sf	- granolepidoblastic - well fol'd - f.gr.	- sterile q - rusty sfc

(to be continued)

A. GREYWACKES (cont'd)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-128-17		- MS	-	- bi - abundant dissem. sf	- most of sample drills to clay, few rock chips	- abundant q
BOB-129-11		- MS	- G	- bi - dissem. sf	- most of sample drills to clay, few rock chips	---
BOB-130-11	B	- BS	- MG to DG	- bi, qz, fs - dissem. py	- massive to weakly fol'd - f.gr. to v.f.gr.	- minor q - rusty spots

x indicates sample not sent for chemistry (insufficient quantity) or too contaminated for chemistry given that good clean sample taken above or below

(Document #0083U)

B. ARGILLITES

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-88-07	A	- argillite	- MG to DG	- abundant dissem. py	- strong schistosity/fol'n - v.f.gr. to aphanitic	- minor q with py, tm - rusty sfc
BOB-127-21	C	- argillite	- DG to B	- v. minor sf	- most of sample drills to clay, many small rock chips - v.f.gr. to aphanitic	---

(Document #0083U)

C. FOUR PROBLEMATIC SAMPLES FROM THE METASEDIMENTARY TERRANE

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-24-18 Comments: High Cr, Co, Sc Low La, Th, Na (relative to other greywackes)	A	- BS ?	- B	- bi, amp - fs, qz - minor gt - minor cc	- granoblastic - very weakly fol'd - f.gr.	- minor q - local rusty sfc
BOB-25-19 Comments: High Cs, Cr, Co (relative to other greywackes)	B		- green clay	- amp ? - chloritic ?	- most of sample drills to clay - few rock chips are fissile and friable	- abundant q with rutile needles
BOB-115-18 Comments: Low Cs, Co, Fe, La, Sc, Th (relative to other greywackes)					- abundant fragments of various types, impossible to guess if bedrock was intersected	
BOB-124-17 Comments: Low Cs, Th (relative to other greywackes)					- only rock flour was recovered, no chips	

(Document #0083U)

D. METAGABBROS

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-45-02	B	- metagabbro (MG)	- DG and white	- amp, fs, qz - minor dissem. py - locally magnetic - minor cc	- very weakly fol'd - f.gr. - minor section drills to clay	- abundant q, with minor py - hem staining
BOB-46-03	A+	- MG (resembles gabbro at T3)	- DG to B	- amp, fs - minor py	- thinly laminated (lam'd) → sheared ? - lineated ? - f.gr. to medium grained (m.gr.) - heterogranular	- minor q
BOB-47-07	A+	- MG	- DGG to B	- amp - bi, fs - minor dissem. py and possibly pyrrhotite (po) - minor cc	- f.gr.	- minor q - chl on fx
BOB-48-01 -02	A B+	- MG	- DG to B (01) - DGG (02)	- amp - fs - dissem. py, cpy - locally magnetic - minor cc	- massive to weakly fol'd (wrinkly) - lineated	- white q, with coarse muscovite flakes (≈3 mm) - rusty sfc - hem staining - thin sf veinlets - thin cc veinlets
BOB-55-08	A	- MG	- DG to DGN	- amp - fs - magnetic - minor cc	- moderate fol'n - f.gr.	- chl present - hem stain
BOB-57-03	A	- MG	- DGG to B	- amp, fs - minor cc	- massive to weakly fol'd - f.gr. to v.f.gr.	- minor sterile q - LG to MG felsic dyke - rusty sfc

(to be continued)

D. METAGABBROS (cont'd)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-59-06	B	- MG	- DG to B	- amp - interlayers (veins ?) of qz - minor dissem. py, cpy - locally magnetic - minor cc	- schistose (sheared ?) - lineated ? - f.gr.	- minor sterile q
BOB-60-05	B	- MG	- DG to B and white	- amp - fs - dissem. sf - minor cc - locally magnetic	- massive - f.gr. granular	- q + carbonate veins
BOB-64-04	A+	- MG	- DG to B - clay is GN	- amp - blue qz (rounded dissem. grains) - minor dissem. py - strongly magnetic (po)	- equigranular - massive - f.gr. to m.gr. - some of sample drilled to rock flour clay	- py on fx - hem staining
BOB-69-01	A+	- MG	- MG to B	- bi, amp, fs, qz - dissem. py and probably also cpy - locally magnetic	- equigranular - weakly fol'd - f.gr. to m.gr.	- minor q (white to yellow) - hem stain - rusty sfc
BOB-70-03	A	- MG	- DG to B	- amp, bi, fs - dissem. py	- equigranular - massive to moderately fol'd - weakly lineated - f.gr.	- rusty sfc
BOB-72-04	A+	- MG	- DG to bluish green	- amp - fs - minor cc	- massive to well fol'd (sheared ?) - f.gr.	- minor q - chl'd

(to be continued)

D. METAGABBROS (cont'd)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-91-08	A	- MG	- B to DGN	- amp, bi (?) - fs - minor dissem. sf	- massive - weakly lineated - f.gr. to m.gr.	- carbonate on fx - rusty spots
BOB-93-07	A	- MG	- DGN	- amp, fs	- locally well developed lineation	- minor q - rusty spots
BOB-95-06	B	- MG	- DGG	- amp, fs - minor py	- massive to weakly lineated (?) - f.gr. to m.gr.	- minor q
BOB-97-17	A	- MG	- DGN	- amp, fs - dissem. py - strongly magnetic (mt)	- massive - coarse grained	---
BOB-102-14	A	- MG	- DGG to B	- amp - fs - minor actinolite	- massive - f.gr.	- rusty sfc - local chl'n
BOB-103-18	A	- MG	- B	- amp, fs - dissem. py	- massive - f.gr. to m.gr.	- epidote on fx
BOB-105-09	B	- MG	- DG to B	- amp, bi, fs - minor actinolite	- massive to weakly lineated - f.gr. to m.gr.	- minor q - rusty sfc
BOB-131-08 -09	A B	- MG	- DGG to B (08) - dark browish grey to B and DGN	- amp, fs - weakly magnetic (po)	- massive - v.f.gr. to f.gr. to m.gr.	- abundant q + carbonate veins (08) - rusty spots
BOB-132-08 -09	B A	- MG	- DG to B (08) - dark to medium green (09)	- amp - fs - locally magnetic (po)	- massive - f.gr.	- minor q and/or carbonate veins - epidote veinlets - rusty spots and sfcs

(to be continued)

D. METAGABBROS (cont'd)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-133-02 -03x	A B	- MG	- greenish black	- amp - fs - locally magnetic (po)	- massive - weakly lineated - f.gr.	- rusty spots (02) - abundant q, carbonate veinlets (03)

(Document #0083U)

E. MAFIC TO INTERMEDIATE VOLCANICS
(distinguished in part using lithogeochemistry results)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-40-01	A	- qz eye tuff	- medium to DGG	- fs, qz, amp - strongly magnetic (mt) - dissem. py	- weakly fol'd - f.gr. to m.gr.	---
BOB-41-06	B	- intermediate (int.) ash tuff	- DGG	- fs, qz, bi - possible minor amp, chl - minor dissem. py - magnetic - minor cc	- well fol'd - f.gr.	- minor sterile q
BOB-42-09	C	- ash tuff and/or MG (probably two rock types)	- DG to brown	- amp - bi, chl	- massive to well fol'd - f.gr.	- minor q
BOB-49-05	C	- felsic to int. tuff	- medium green	- fs, amp - minor py, cpy - locally magnetic - pervasive minor cc	- equigranular - massive to thinly lam'd - v.f.gr.	- minor q with sf - rusty sfc
BOB-50-01	B	- int. tuff	- DG and white	- amp porphyroblasts (?) - very minor qz eyes - dissem. py - strongly magnetic - pervasive minor cc	- massive to fol'd - f.gr. to med.gr.	- abundant q with sf - also q + cc veinlets - rusty spots
BOB-51-03	B	- felsic tuff	- light yellowish greenish	- siliceous - abundant dissem. py some cpy - locally magnetic	- equigranular - thinly lam'd (sheared?) - v.f.gr.	- minor q with py, possibly asp - rusty sfc
BOB-51-04	A	- garnetiferous tuff	- medium to DGG	- amp, fs, bi - minor gt (<1 mm) - minor dissem. py, cpy - strongly magnetic	- thinly lam'd - v.f.gr.	- chl'n of bi (?) - very minor q

(to be continued)

E. MAFIC TO INTERMEDIATE VOLCANICS (cont'd)
(distinguished in part using lithogeochemistry results)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-52-03	B	- int. tuff	- DG to B	- amp, fs - minor gt, tm - minor dissem. py - strongly magnetic, locally pervasive minor cc	- thinly lam'd - v.f.gr. to f.gr.	- minor q - minor thin pale green veinlets (epidote ?)
BOB-58-04	B	- int. tuff ?	- brownish black chips - greenish clay	- - minor py, cpy aggregates - minor cc	- much of bedrock drills to clay, soft rock - strongly fractured, sheared ? - massive - v.f.gr.	- q with tm - oxidized fx sfc
BOB-62-12		- int. tuff ?	- dark green to B chips - greenish clay	- - altered bi	- most of bedrock drills to clay - fol'd - f.gr.	- minor q
BOB-63-02	C	- int. flow or ash tuff	- DG to B	- amp, fs - dissem. py - minor cc - locally magnetic	- massive, speckled - f.gr.	- minor q - carbonate on fx
BOB-65-05	C	- int. tuff ?	- DG to B	- amp, bi, fs - dissem. py - moderately magnetic	- weakly fol'd - f.gr. to m.gr.	- minor q-fs veins - hem. stain - rusty sfc
BOB-67-08	B	- int. flow or ash tuff	- DG to B	- amp, bi - heulandite crystals ?? - dissem. and patchy py - minor cc	- speckled - well fol'd - f.gr.	- rusty sfc
BOB-68-01	A	- int. flow or ash tuff	- DG to B	- amp, bi, chl, fs - dissem. py - strongly magnetic	- equigranular - moderate fol'n - f.gr. to m.gr.	- white q

(to be continued)

E. MAFIC TO INTERMEDIATE VOLCANICS (cont'd)
(distinguished in part using lithogeochemistry results)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-74-03	C	- garnetiferous tuff	- DG to B	- amp, bi, fs - minor gt - abundant dissem. py and possibly cpy - minor cc	- equigranular - fol'd, locally massive - f.gr. to m.gr.	- q
BOB-86-06	A	- garnetiferous tuff	- medium greenish grey to DG	- - minor gt - minor py	- porphyroblastic - fol'd - f.gr.	---
BOB-87-04	A	- int. tuff	- MG to DG	- amp, bi, fs - minor gt ? - minor dissem. py	- equigranular - fol'd - f.gr.	- minor q with py - rusty sfc
BOB-89-11	B	- int. tuff	- DG	- - dissem. py - magnetic (mt)	- fol'd - f.gr.	- minor q - locally rusty sfc
BOB-92-04	B	- garnetiferous tuff	- DG and brown	- - minor gt - slightly magnetic (Mt) - heulandite ??	- massive - f.gr. to v.f.gr.	- py in fx abundant - rusty spots and sfc
BOB-94-08	B	- int. flow	- DGG	- - dissem. py - weakly magnetic	- massive - f.gr. to m.gr.	- minor q with tm - minor carbonate in fx - rusty sfc
BOB-96-17	A	- qz eye tuff	- MG and white	- - minor qz eye (<2 mm) - abundant py - locally magnetic - heulandite ??	- weakly fol'd - f.gr.	- abundant q - rusty spots and sfc

(to be continued)

E. MAFIC TO INTERMEDIATE VOLCANICS (cont'd)
(distinguished in part using lithogeochemistry results)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-98-13	C	- fs crystal tuff	- light green to medium greenish grey	- abundant fs phenocrysts (<3 mm) - minor garnet - minor dissem py/po	- porphyritic - fol'd (bedded ?) - f.gr. to v.f.gr.	---
BOB-99-05	A	- int. tuff	- DGG	- - strongly magnetic (mt)	- fol'd - f.gr.	- minor q
BOB-100-19	A	- int. flow or tuff	- DG to B	-	- weakly fol'd - f.gr. to v.f.gr.	- epidote/carbonate on fx - minor q - rusty sfc

F. FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-76-01	A+	- felsic crystal tuff	- medium pink to red	- abundant round qz eyes (<2 mm) - fs phenocrysts - mafic minerals in small localized patches eg bi, amp - abundant dissem. py, possibly also asp - minor cc	- porphyritic, aphanitic - weakly fol'd to massive	- minor q - minor green mafic dykes
BOB-78-06	A	- felsic crystal tuff	- bronish red	- fs - minor round qz eyes (<1 mm) - rare mafics - tiny dissem. sf	- porphyritic, f.gr. to v.f.gr. - massive to weakly fol'd	- epidote on fx - rusty sfc
BOB-79-03	A	- felsic crystal tuff	- medium red to brownish red	- fs - minor round qz eyes (<2 mm) - rare mafics	- porphyritic, v.f.gr. - very weakly fol'd	---
BOB-81-01	A	- felsic crystal tuff	- medium red to brown	- fs phenocrysts - round to slightly elongate qz eyes (<4 mm) - minor mafics	- porphyritic, aphanitic - massive	---
BOB-83-02	B	- felsic crystal tuff	- dark brownish red	- fs phenocrysts - elongate qz eyes <3 mm - minor mafics - locally magnetic	- porphyritic, f.gr. to v.f.gr. - fol'd	---

(to be continued)

F. FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS (cont'd)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-77-03	B	- felsic tuff	- MGG with occasional black layers	- fs phenocrysts and qz eyes present but not abundant - dominantly qz, fs - abundant dissem. py - minor cc - locally magnetic	- weakly porphyritic - v.f.gr. siliceous groundmass - layered, fdl'd - weakly sheared ?	- abundant q - epidote veinlets - rusty fx
BOB-77-04	B	- felsic tuff	- MGG	- as above with abundant dissem. py	- thinly lam'd	- abundant q
BOB-82-13	A	- felsic tuff	- MG and light greenish grey	- elongate fs phenocrysts - fs, qz, bi - dissem. py - minor cc - strongly magnetic (mt)	- weakly porphyritic - v.f.gr. to aphanitic groundmass	- minor q - rusty fx
BOB-85-10	A	- felsic tuff	- light green and MG	- few fs phenocrysts - fs, qz, bi - minor dissem. py - minor cc - locally magnetic	- weakly porphyritic - v.f.gr. siliceous groundmass - fol'd (sheared ?)	- minor fuchsite staining
BOB-43-08	B	- intermediate (int.) tuff	- DG to brown with minor light greenish clay (rock flour)	- - minor dissem. py - minor cc - locally magnetic	- well fol'd to massive - sugary but f.gr. to v.f.gr.	- minor q - rusty/hem staining - cc restricted to fx ?
BOB-44-01	B	- felsic tuff	- MG to B	- siliceous - abundant dissem. py - minor cc - strongly magnetic	- massive - v.f.gr.	- minor q with py - rusty sfc

(to be continued)

F. FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS (cont'd)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-80-02	A	- felsic tuff	- MG and white	- siliceous, brittle - fs, bi, sericite - abundant dissem. py - strongly magnetic (dissem. mt)	- fol'd (sheared ?) - f.gr. to v.f.gr. equigranular	- abundant sterile q - rusty spots - sericite on alteration ?
BOB-84-08	B	- felsic tuff	- MG to DG locally LG and light green	- siliceous - dissem. rounded blue qz - py in patches - minor cc - magnetic (mt)	- thinly lam'd, layered - fol'd - v.f.gr.	- fuchsite staining - locally rusty
BOB-38-17	A	- qz eye tuff	- DGG	- elongate qz eyes abundant - fs, bi, note blue qz - dissem. py - locally magnetic	- porphyritic - well fol'd - v.f.gr. to f.gr.	---
BOB-39-21			- DG clay, few rock chips	- rock chips of various lithologies, difficult to guess bedrock		
BOB-53-02	A	- felsic tuff ?	- LG	- siliceous - minor dissem. py	- massive - lam'd ? - f.gr. to v.f.gr.	- minor q ? - rusty sfc
BOB-54-04	A+	- felsic tuff ?	- LG to white	- siliceous - minor dissem. py - locally weakly magnetic	- massive - bedded ? - f.gr.	- chl ? - hem. staining - limonite sfc

(to be continued)

F. FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS (cont'd)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-56-04 -05	C B	- felsic tuff	- DGG	- abundant rounded qz eyes - dissem. blue qz - fs - amp ? - minor py, cpy - minor cc	- porphyritic - moderately to well fol'd, locally massive - f.gr. to m.gr.	- abundant thin sterile q
BOB-61-14	C	- felsic tuff	- medium greenish grey	- siliceous - 3 mm bi flakes - fine py crystals - minor cc	- massive to weakly fol'd - f.gr.	- thin chl-muscovite-qz-fs dyke - hem staining
BOB-66-02	B	- fs crystal tuff	- MG to B	- abundant fs phenocrysts (laths to 3 mm) - minor qz eyes - amp, bi - very minor sf, possibly po (locally magnetic) - minor cc	- porphyritic - thinly lam'd - groundmass v.f.gr.	- minor q with tm
BOB-71-01	A+	- fs crystal tuff	- B and white	- rich in fs, qz - bi, amp - minor dissem. py possibly also asp - minor cc	- may be very strongly porphyritic, but fs is subhedral to anhedral suggesting intrusive rock - coarse grained 1-5 mm	- hem staining
BOB-73-02	A	- felsic flow or tuff	- MG to DG	- fs phenocrysts (<3 mm) - amp laths ? - fs, bi, qz	- porphyritic - amygdular ? - weakly fol'd - f.gr. groundmass - part of sample drilled to rock flour clay	- minor grey q

(to be continued)

F. FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS (cont'd)

SAMPLE #	PURITY	NAME	COLOUR	MINERALS	TEXTURAL FEATURES	VEINING, ALTERATION
BOB-75-01	C	- qz eye tuff or felsic flow	- DG to MG	- fs, bi, amp, qz - qz eyes or amygdales ? - minor cc	- fol'd, possibly flattened - f.gr.	- carbonate veinlet - py in schistosity
BOB-90-15	B	- int. flow	- DG and medium to dark green	- - dissem. py crystals - locally magnetic	- massive - v.f.gr.	- hem staining - rusty
BOB-101-16	B	- felsic tuff	- light green to medium yellowish brown	-	- granular - weakly fol'd - v.f.gr. - soft, drills to clay	- carbonate on fx - strongly altered

(Document #0083U)

Record	Station	Sample no	SiO2 %	CaO %	K2O %	Al2O3%	Fe2O3%	TiO2 %	MnO %	MgO %	Na2O %	P2O5 %	LOI %	CO2 %
229	1	10	-9.00	2.82	2.45	-9.00	-9.00	-9.00	-9.00	-9.00	3.46	-9.00	-9.00	1.05
230	2	11	-9.00	3.06	2.46	-9.00	-9.00	-9.00	-9.00	-9.00	2.97	-9.00	-9.00	0.39
231	3	8	-9.00	2.21	2.94	-9.00	-9.00	-9.00	-9.00	-9.00	3.27	-9.00	-9.00	0.06
232	4	5	-9.00	2.92	2.29	-9.00	-9.00	-9.00	-9.00	-9.00	2.43	-9.00	-9.00	0.16
233	5	7	-9.00	2.49	3.37	-9.00	-9.00	-9.00	-9.00	-9.00	2.42	-9.00	-9.00	0.20
234	6	3	-9.00	3.81	2.36	-9.00	-9.00	-9.00	-9.00	-9.00	3.25	-9.00	-9.00	0.18
235	7	8	-9.00	2.80	2.28	-9.00	-9.00	-9.00	-9.00	-9.00	3.80	-9.00	-9.00	0.07
236	8	3	-9.00	2.55	2.42	-9.00	-9.00	-9.00	-9.00	-9.00	2.49	-9.00	-9.00	0.05
237	9	11	-9.00	2.37	1.60	-9.00	-9.00	-9.00	-9.00	-9.00	3.76	-9.00	-9.00	0.05
238	10	5	-9.00	8.90	1.27	-9.00	-9.00	-9.00	-9.00	-9.00	3.64	-9.00	-9.00	1.44
239	11	2	-9.00	2.51	2.19	-9.00	-9.00	-9.00	-9.00	-9.00	3.36	-9.00	-9.00	0.06
240	12	20	-9.00	3.32	2.10	-9.00	-9.00	-9.00	-9.00	-9.00	3.81	-9.00	-9.00	0.16
241	13	4	-9.00	2.74	2.28	-9.00	-9.00	-9.00	-9.00	-9.00	3.59	-9.00	-9.00	0.10
242	14	3	-9.00	2.56	2.01	-9.00	-9.00	-9.00	-9.00	-9.00	3.63	-9.00	-9.00	0.41
243	15	2	-9.00	2.60	2.60	-9.00	-9.00	-9.00	-9.00	-9.00	3.60	-9.00	-9.00	0.07
244	16	7	-9.00	2.51	2.49	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.17
245	17	21	-9.00	2.14	2.70	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.28
246	18	6	-9.00	4.66	2.56	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.78
247	19	7	-9.00	2.63	2.58	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.26
248	20	16	-9.00	4.59	1.71	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.64
249	21	18	-9.00	4.77	1.47	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.18
250	22	5	-9.00	2.64	2.58	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.11
251	23	13	-9.00	3.90	1.81	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.12
252	24	18	-9.00	9.02	2.02	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.18
253	25	19	-9.00	3.12	3.32	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.15
254	26	24	-9.00	3.09	2.30	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.45
255	27	15	-9.00	2.84	2.28	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.17
256	28	8	-9.00	2.40	3.04	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.12
257	29	16	-9.00	4.60	1.74	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.63
258	30	21	-9.00	4.74	1.96	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.56
259	31	24	-9.00	3.70	1.83	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.17
260	32	14	-9.00	5.02	1.87	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.52
261	33	15	-9.00	2.96	2.60	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.23
262	35	10	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
263	36	16	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
264	38	17	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
265	39	21	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
266	40	1	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
267	41	6	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
268	42	9	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
269	43	8	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
270	44	1	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
271	45	2	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
272	46	3	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
273	47	7	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
274	48	1	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
275	48	2	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
276	49	5	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
277	50	1	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
278	51	3	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
279	51	4	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
280	52	3	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
281	53	2	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
282	54	4	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
283	55	8	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00

Record	Station	Sample no	SiO2 %	CaO %	K2O %	Al2O3%	Fe2O3%	TiO2 %	MnO %	MgO %	Na2O %	P2O5 %	LOI %	CO2 %
284	56	4	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
285	56	5	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
286	57	3	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
287	58	4	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
288	59	6	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
289	60	5	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
290	61	14	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
291	62	12	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
292	63	2	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
293	64	4	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
294	65	5	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
295	66	2	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
296	67	4	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
297	67	8	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
298	68	1	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
299	69	1	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
300	70	3	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
301	71	1	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
302	72	4	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
303	73	2	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
304	74	3	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
305	75	1	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
306	76	1	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
307	77	3	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
308	77	4	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
309	78	6	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
310	79	3	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
311	80	2	-9.00	3.08	3.90	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	1.67
312	81	1	-9.00	2.60	2.50	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	1.56
313	82	13	-9.00	3.51	2.30	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	2.36
314	83	2	-9.00	3.44	2.70	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	1.94
315	84	8	-9.00	2.59	3.70	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	1.22
316	85	10	-9.00	1.53	4.80	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.77
317	86	6	-9.00	7.63	1.40	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	2.06
318	87	4	-9.00	6.34	0.80	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.69
319	88	7	-9.00	0.71	2.30	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.11
320	89	11	-9.00	7.16	1.10	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.54
321	90	15	-9.00	1.13	3.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.08
322	91	8	-9.00	7.49	0.70	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.14
323	92	4	-9.00	2.85	1.20	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.94
324	93	7	-9.00	5.47	1.10	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.02
325	94	8	-9.00	7.94	0.50	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.93
326	95	6	-9.00	6.67	0.80	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.83
327	96	17	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
328	97	17	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
329	98	13	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
330	99	5	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
331	100	19	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
332	101	16	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
333	102	14	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
334	103	18	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
335	104	20	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
336	105	9	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
337	107	23	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
338	108	14	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
339	109	20	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00

Record	Station	Sample no	SiO2 %	CaO %	K2O %	Al2O3%	Fe2O3%	TiO2 %	MnO %	MgO %	Na2O %	P2O5 %	LOI %	CO2 %
340	110	13	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
341	111	12	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
342	112	7	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
343	113	13	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
344	114	14	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
345	114	15	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
346	115	18	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
347	116	5	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
348	117	6	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
349	118	8	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
350	119	2	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
351	120	2	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
352	121	2	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
353	122	10	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
354	123	7	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
355	124	17	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
356	126	6	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
357	127	21	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
358	128	17	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
359	129	11	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
360	130	11	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
361	131	8	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
362	131	9	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
363	132	8	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
364	132	9	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
365	133	2	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
131	JL-40-1	0	-9.00	10.00	1.04	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	2.73

BURNT BUSH MINOR ELEMENTS >> BEDROCK << [87/12/22] A

Record	Station	Sample no	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Hf ppm	Ir ppm	Fe %	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm
229	1	10	4	0.1	10	660	-5	5	280	26	51	-1	4	-50	4.6	22	1	70	99	13.0
230	2	11	5	-0.1	1	560	-5	4	310	26	53	2	4	-50	4.6	29	3	83	97	14.0
231	3	8	-2	0.1	1	750	-5	7	320	25	45	1	3	-50	4.7	30	2	70	110	15.0
232	4	5	3	-0.1	1	750	-5	4	340	29	32	-1	4	-50	5.3	30	1	99	100	16.0
233	5	7	-2	-0.1	-1	740	-5	7	310	32	47	2	4	-50	5.0	22	2	72	110	16.0
234	6	3	-2	-0.1	-1	740	-5	5	460	33	46	1	5	-50	5.4	29	2	77	80	19.0
235	7	8	-2	-0.1	-1	620	-5	6	290	27	42	1	4	-50	4.6	30	2	65	97	14.0
236	8	3	6	-0.1	1	630	-5	4	280	32	50	-1	4	-50	4.9	31	3	88	84	16.0
237	9	11	6	0.1	1	500	-5	2	280	28	47	-1	4	-50	5.3	31	2	84	65	16.0
238	10	5	-2	0.2	1	610	-5	3	350	34	54	3	6	-50	4.9	57	5	160	52	14.0
239	11	2	3	-0.1	1	720	-5	5	290	29	48	-1	3	-50	5.4	33	2	96	110	17.0
240	12	20	3	-0.1	-1	520	-5	1	210	26	48	-1	4	-50	4.8	21	1	44	70	15.0
241	13	4	-2	-0.1	1	710	-5	4	330	33	43	-1	4	-50	4.7	31	3	79	87	16.0
242	14	3	6	-0.1	1	650	-5	5	310	27	40	-1	4	-50	4.9	30	3	71	75	14.0
243	15	2	-2	0.1	-1	960	-5	6	310	35	52	-1	4	-50	5.0	36	2	89	130	18.0
244	16	7	4	-0.1	-1	590	-5	4	170	23	35	-1	4	-50	3.8	24	1	74	80	11.0
245	17	21	-2	-0.1	1	730	-5	3	230	25	43	-1	3	-50	3.9	22	3	74	62	12.0
246	18	6	4	0.1	1	970	-5	5	200	22	21	2	4	-50	4.4	49	2	45	88	13.0
247	19	7	-2	0.1	1	920	-5	2	240	28	39	-1	3	-50	5.3	29	2	86	92	19.0
248	20	16	5	0.1	1	480	-5	2	250	24	30	-1	4	-50	4.4	28	2	50	63	13.0
249	21	18	9	-0.1	1	420	-5	4	210	21	42	3	4	-50	5.1	150	2	57	34	14.0
250	22	5	-2	0.1	-1	740	-5	5	260	27	34	2	4	-50	4.7	31	1	68	85	15.0
251	23	13	-2	-0.1	-1	600	-5	4	330	33	29	1	5	-50	5.5	33	2	80	68	17.0
252	24	18	-2	-0.1	-1	570	-5	4	1000	59	22	1	3	-50	6.1	16	-1	380	84	24.4
253	25	19	-2	-0.1	1	1100	-5	19	760	46	38	3	5	-50	6.0	140	2	250	95	18.0
254	26	24	-2	-0.1	-1	730	-5	5	270	24	49	1	4	-50	4.8	29	1	52	98	15.0
255	27	15	-2	-0.1	-1	750	-5	8	300	32	43	1	5	-50	5.1	33	1	83	110	18.0
256	28	8	-2	-0.1	-1	890	-5	6	280	33	50	2	3	-50	5.6	28	2	90	120	20.4
257	29	16	-2	0.1	1	450	-5	3	390	27	72	-1	3	-50	4.9	21	4	52	57	14.0
258	30	21	-2	-0.1	1	740	-5	3	360	28	61	1	3	-50	4.7	25	6	83	64	17.0
259	31	24	3	-0.1	1	850	-5	3	390	25	59	-1	3	-50	4.1	26	2	75	71	14.0
260	32	14	3	-0.1	-1	580	-5	4	270	29	52	-1	4	-50	5.1	24	2	60	73	18.0
261	33	15	-2	-0.1	-1	640	-5	4	310	25	53	1	4	-50	4.7	29	3	56	100	15.0
262	35	10	2	0.1	1	640	-5	4	210	22	0	-1	3	-50	4.6	24	1	53	89	13.0
263	36	16	4	-0.1	1	610	-5	4	340	24	0	-1	4	-50	4.2	30	2	52	78	12.0
264	38	17	4	0.3	1	550	-5	2	180	14	0	-1	4	-50	2.5	24	-1	45	40	6.1
265	39	21	3	0.1	2	560	-5	2	110	27	0	-1	4	-50	3.8	21	1	36	75	11.0
266	40	1	-2	-0.1	-1	120	-5	1	170	25	0	2	3	-50	7.5	14	1	33	17	20.6
267	41	6	8	-0.1	1	150	-5	2	300	36	0	2	3	-50	6.5	21	-1	98	19	20.4
268	42	9	6	0.2	1	230	-5	2	510	43	0	-1	3	-50	6.7	10	-1	91	31	23.5
269	43	8	11	0.2	2	600	-5	16	430	36	0	-1	5	-50	6.2	39	2	110	160	21.7
270	44	1	8	0.1	-1	670	-5	7	350	26	0	-1	4	-50	4.6	31	3	78	72	14.0
271	45	2	14	0.4	2	170	-5	2	580	45	0	-1	3	-50	10.0	13	1	130	27	25.3
272	46	3	4	0.5	1	140	-5	1	440	51	0	-1	3	-50	9.2	12	-1	150	19	25.9
273	47	7	4	0.6	1	280	-5	3	300	48	0	-1	3	-50	8.5	12	-1	120	23	26.7
274	48	1	7	0.2	1	270	-5	2	110	32	0	1	4	-50	12.0	13	2	34	30	25.0
275	48	2	7	0.2	-1	300	-5	2	130	28	0	-1	4	-50	13.0	13	-1	32	28	24.1
276	49	5	-2	-0.1	-1	210	-5	2	240	47	0	-1	3	-50	6.0	13	-1	72	38	31.4
277	50	1	-2	-0.1	-1	120	-5	2	300	46	0	1	3	-50	7.3	10	1	120	40	24.6
278	51	3	12	0.2	2	160	-5	5	240	27	0	-1	6	-50	7.7	15	3	32	84	16.0
279	51	4	-2	0.1	1	170	-5	4	200	26	0	-1	5	-50	10.0	16	1	54	75	15.0
280	52	3	6	0.2	-1	120	-5	2	260	32	0	-1	5	-50	7.5	14	1	60	21	22.2
281	53	2	3	0.3	10	220	-5	2	92	6	0	-1	6	-50	0.6	19	2	-20	33	5.3
282	54	4	-2	0.2	-1	290	-5	4	120	9	0	1	8	-50	1.9	26	-1	-20	60	7.6
283	55	8	4	-0.1	-1	180	-5	1	240	41	0	-1	3	-50	7.4	9	-1	130	17	22.4
284	56	4	-2	0.1	1	730	-5	4	210	15	0	1	4	-50	2.7	22	-1	47	63	6.4

BURNT BUSH MINOR ELEMENTS >> BEDROCK << [87/12/22] A

Record	Station	Sample no	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Hf ppm	Ir ppm	Fe %	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm
285	56	5	3	0.2	2	440	-5	4	170	10	0	-1	3	-50	2.6	25	2	30	49	6.2
286	57	3	-2	0.1	-1	180	-5	2	180	44	0	1	4	-50	9.0	17	-1	50	28	29.2
287	58	4	31	-0.1	2	430	-5	2	280	50	0	1	5	-50	5.5	18	2	85	49	21.1
288	59	6	7	0.1	1	71	-5	-1	120	49	0	-1	5	-50	11.0	14	1	28	9	28.5
289	60	5	5	-0.1	-1	58	-5	-1	280	46	0	1	2	-50	7.8	6	1	110	14	29.7
290	61	14	9	-0.1	1	380	-5	1	170	13	0	-1	4	-50	3.2	16	2	-20	32	8.0
291	62	12	-2	-0.1	1	340	-5	2	57	35	0	1	5	-50	6.3	17	1	46	54	25.6
292	63	2	-2	-0.1	-1	230	-5	1	120	21	0	2	6	-50	6.1	18	-1	-20	30	19.0
293	64	4	-2	-0.1	1	320	-5	4	120	36	0	1	5	-50	10.0	15	2	-20	43	34.6
294	65	5	12	0.1	1	390	-5	1	260	34	0	-1	4	-50	6.9	17	1	71	38	22.1
295	66	2	-2	0.1	3	860	-5	1	230	14	0	2	4	-50	2.9	37	1	49	51	7.4
296	67	4	-2	0.1	-1	310	-5	-1	230	51	0	-1	2	-50	9.2	6	-1	73	18	39.9
297	67	8	13	-0.1	-1	230	-5	2	110	46	0	1	3	-50	11.0	11	2	42	45	24.3
298	68	1	7	-0.1	-1	210	-5	1	150	18	0	2	9	-50	7.0	31	2	-20	26	19.0
299	69	1	5	0.4	-1	210	-5	2	150	19	0	1	7	-50	6.9	28	3	-20	38	18.0
300	70	3	-2	0.1	-1	300	-5	1	150	33	0	-1	3	-50	6.1	11	2	71	42	19.0
301	71	1	3	-0.1	-1	930	-5	3	190	10	0	-1	4	-50	2.5	38	1	-20	48	4.6
302	72	4	-2	0.1	-1	110	-5	1	430	81	0	-1	2	-50	10.0	5	-1	230	12	19.0
303	73	2	6	0.2	2	330	-5	1	340	17	0	-1	4	-50	3.2	33	2	63	31	8.6
304	74	3	-2	-0.1	1	290	-5	1	160	42	0	1	3	-50	9.2	12	-1	59	37	28.4
305	75	1	-2	-0.1	1	470	-5	2	200	24	0	2	4	-50	4.6	24	1	47	53	15.0
306	76	1	9	0.6	1	1200	-5	2	150	6	0	-1	4	-50	1.7	48	-1	-20	55	3.2
307	77	3	15	0.6	2	1500	-5	7	280	23	0	2	4	-50	2.9	42	2	50	110	10.0
308	77	4	10	0.3	2	1100	-5	6	440	12	0	1	3	-50	2.2	29	2	36	84	7.3
309	78	6	3	0.3	-1	1300	-5	4	140	-5	0	1	3	-50	1.8	34	-1	-20	63	3.6
310	79	3	-2	0.4	-1	1500	-5	3	140	-5	0	-1	4	-50	1.8	36	-1	-20	57	3.3
311	80	2	28	0.8	5	860	-5	13	220	23	26	-1	4	-50	5.0	19	3	65	120	15.0
312	81	1	2	0.2	-1	1300	-5	2	110	-5	5	-1	4	-50	1.6	30	1	-20	56	3.2
313	82	13	8	0.6	5	1300	-5	10	230	15	9	2	4	-50	3.3	40	2	58	89	9.3
314	83	2	-2	0.4	1	1500	-5	4	120	6	3	-1	3	-50	2.2	40	2	-20	61	4.6
315	84	8	17	0.2	1	750	-5	12	320	36	123	-1	4	-50	3.8	31	3	100	120	14.0
316	85	10	10	0.4	1	1300	-5	12	300	14	9	1	4	-50	3.3	36	1	37	110	11.0
317	86	6	-2	-0.1	-1	160	-5	2	91	50	30	-1	3	-50	8.7	22	1	34	49	29.3
318	87	4	3	-0.1	-1	140	-5	1	94	27	50	-1	4	-50	10.0	13	2	-20	31	22.3
319	88	7	4	0.1	11	630	-5	2	160	12	18	-1	5	-50	1.9	32	4	30	80	6.4
320	89	11	3	-0.1	2	240	-5	1	240	45	53	-1	2	-50	8.9	11	1	62	28	31.4
321	90	15	3	0.1	2	390	-5	2	-20	15	142	-1	5	-50	4.3	24	2	26	69	7.0
322	91	8	-2	-0.1	1	290	-5	2	180	61	28	-1	2	-50	12.0	8	-1	97	30	35.2
323	92	4	4	0.1	1	370	-5	2	200	7	48	-1	10	-50	6.1	30	5	-20	35	11.0
324	93	7	5	-0.1	-1	180	-5	6	72	32	36	-1	4	-50	6.0	16	-1	74	46	20.6
325	94	8	5	0.1	1	160	-5	3	180	50	71	-1	4	-50	7.2	11	-1	90	25	28.7
326	95	6	3	0.5	1	280	-5	1	180	37	46	-1	4	-50	8.0	11	-1	75	31	23.2
327	96	17	9	-0.1	1	220	-5	1	270	27	63	-1	6	-50	6.9	16	-1	59	32	21.1
328	97	17	-2	0.1	-1	240	-5	1	140	73	68	-1	3	-50	12.0	15	-1	58	20	49.2
329	98	13	8	0.1	1	250	-5	3	130	11	26	-1	4	-50	7.3	12	-1	-20	19	11.0
330	99	5	3	-0.1	1	320	-5	3	270	48	46	-1	3	-50	7.7	14	-1	120	34	25.6
331	100	19	-2	0.1	-1	150	-5	2	260	75	50	1	3	-50	5.3	12	1	65	31	35.2
332	101	16	-2	0.1	2	1200	-5	4	84	10	7	-1	7	-50	4.5	23	1	-20	55	10.0
333	102	14	7	0.1	1	150	-5	-1	460	36	44	-1	4	-50	6.2	10	1	130	-5	23.3
334	103	18	7	0.1	-1	150	-5	-1	280	63	59	2	3	-50	12.0	9	1	98	24	42.2
335	104	20	-2	1.1	-1	570	-5	4	440	38	37	-1	3	-50	6.0	22	6	160	52	18.0
336	105	9	8	-0.1	-1	140	-5	3	190	52	130	-1	3	-50	12.0	8	-1	69	14	38.4
337	107	23	-2	-0.1	-1	690	-5	8	340	33	41	2	5	-50	6.1	34	2	100	110	20.9
338	108	14	-2	-0.1	-1	760	-5	3	320	28	51	1	5	-50	4.9	25	1	35	65	16.0
339	109	20	-2	-0.1	1	860	-5	5	410	34	48	1	4	-50	5.4	35	1	91	120	17.0
340	110	13	-2	0.1	-1	790	-5	3	420	31	35	2	5	-50	5.2	37	2	81	75	18.0

 BURNT BUSH MINOR ELEMENTS >> BEDROCK << [87/12/22] A

Record	Station	Sample no	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Hf ppm	Ir ppm	Fe %	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm
341	111	12	6	-0.1	1	1100	-5	3	360	19	30	2	5	-50	3.4	39	3	67	72	11.0
342	112	7	-2	-0.1	-1	1300	-5	6	300	32	70	-1	4	-50	5.6	29	2	120	120	18.0
343	113	13	-2	-0.1	1	880	-5	2	340	22	32	-1	5	-50	4.0	27	-1	31	60	13.0
344	114	14	3	0.1	1	620	-5	3	260	22	36	-1	3	-50	4.4	20	2	72	91	15.0
345	114	15	-2	-0.1	-1	500	-5	3	280	26	46	2	4	-50	4.7	19	1	49	53	16.0
346	115	18	-2	0.1	1	580	-5	1	300	17	13	-1	2	-50	1.8	12	3	40	52	6.2
347	116	5	6	-0.1	-1	1300	-5	5	360	35	42	-1	6	-50	6.6	42	2	86	140	20.0
348	117	6	-4	0.1	1	1300	-5	6	370	40	49	2	6	-50	6.6	38	2	100	120	22.8
349	118	8	-2	-0.1	-1	770	-5	6	280	26	54	1	4	-50	4.7	28	1	71	96	16.0
350	119	2	-2	0.1	1	590	-5	4	330	33	48	2	4	-50	5.4	32	2	110	60	17.0
351	120	2	-2	-0.1	-1	720	-5	3	280	33	48	2	4	-50	5.6	33	1	100	71	17.0
352	121	2	-2	-0.1	-1	1400	-5	8	390	39	72	2	4	-50	6.7	34	1	130	130	22.1
353	122	10	-2	0.2	1	780	-5	4	360	32	43	-1	5	-50	5.0	38	2	65	85	16.0
354	123	7	-2	-0.1	-1	560	-5	2	230	22	45	2	4	-50	4.1	21	1	75	41	14.0
355	124	17	7	-0.1	-1	650	-5	1	400	25	25	-1	5	-50	5.0	19	2	110	61	14.0
356	126	6	5	0.1	2	640	-5	2	360	22	36	-1	4	-50	4.4	17	2	40	73	14.0
357	127	21	-2	0.2	3	580	-5	2	160	13	21	-1	4	-50	3.1	23	1	36	71	10.0
358	128	17	-2	0.1	7	770	-5	3	370	27	33	-1	4	-50	4.3	22	2	90	72	14.0
359	129	11	6	0.2	3	590	-5	2	340	26	30	-1	4	-50	4.1	19	-1	69	85	15.0
360	130	11	-2	-0.1	1	680	-5	2	240	30	43	-1	4	-50	4.9	24	2	57	62	16.0
361	131	8	-2	-0.1	-1	280	-5	2	210	54	100	-1	2	-50	6.9	13	3	82	33	30.5
362	131	9	-5	-0.1	-1	240	-5	3	240	140	46	-1	5	-50	8.5	13	2	130	19	31.5
363	132	8	-2	-0.1	-1	160	-5	1	140	34	42	1	5	-50	7.4	12	1	33	23	27.2
364	132	9	-2	-0.1	1	110	-5	1	110	62	53	-1	6	-50	7.9	15	-1	69	22	35.4
365	133	2	-2	-0.1	-1	-50	-5	1	270	49	70	-1	4	-50	9.4	14	2	110	-10	34.9
131	JL-40-1	0	5	0.3	1	170	-5	3	240	44	-9	-1	2	-50	9.4	9	-1	120	43	20.0

BURNT BUSH MINOR ELEMENTS >> BEDROCK << [87/12/22] B

Record	Hole no	Sample no	Se ppm	Ag ppm	Ta ppm	Tb ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm	Ce ppm	Na %	Sn ppm	Te ppm	Zr ppm	Br ppm	Lu ppm	Sm ppm
229	1	10	-5	-2	1	-1	6.8	1	1.7	-2	-100	37	2.58	-100	-10	280	-2	-0.2	3.0
230	2	11	-5	-2	1	1	6.1	1	1.6	-2	130	50	2.36	-100	-10	250	-2	0.2	3.6
231	3	8	-5	-2	1	1	7.9	2	2.0	-2	170	51	2.71	-100	-10	360	-2	0.3	3.6
232	4	5	-5	-2	1	1	7.1	4	1.8	-2	120	58	2.01	-100	-10	240	-2	0.2	3.7
233	5	7	-5	-2	1	-1	7.9	1	2.1	-2	150	38	2.05	-100	-10	-200	-2	0.2	2.8
234	6	3	-5	-2	-1	1	7.2	-1	2.0	-2	150	50	2.88	-100	-10	-200	-2	0.2	3.6
235	7	8	-5	-2	1	1	6.9	2	2.0	-2	-100	54	3.06	-100	-10	310	-2	0.3	3.7
236	8	3	-5	-2	1	-1	9.4	1	2.5	-2	-100	54	2.11	-100	-10	-200	-2	0.2	3.6
237	9	11	-5	-2	-1	1	7.5	-1	2.1	-2	-100	48	3.32	-100	-10	610	-2	0.3	3.7
238	10	5	-5	-2	1	1	6.5	1	1.5	-2	-100	111	2.84	-100	-10	440	-2	0.3	9.0
239	11	2	-5	-2	1	1	7.6	1	2.0	-2	160	53	3.00	-100	-10	-200	-2	0.3	4.0
240	12	20	-5	-2	-1	-1	3.2	-1	0.9	-2	130	35	3.06	-100	-10	-200	-2	0.2	2.9
241	13	4	-5	-2	1	-1	6.6	-1	1.8	-2	-100	62	3.03	-100	-10	-200	-2	0.3	3.8
242	14	3	-5	-2	1	1	7.3	2	1.9	-2	130	54	3.29	-100	-10	290	-2	-0.2	3.8
243	15	2	-5	-2	-1	1	7.3	2	2.0	-2	-100	65	2.32	-100	-10	-200	-2	0.3	4.2
244	16	7	-5	-2	-1	-1	6.9	-1	1.9	-2	150	40	2.04	-100	-10	-200	-2	-0.2	4.3
245	17	21	-5	-2	-1	1	6.6	1	1.9	-2	120	41	2.35	-100	-10	-200	-2	0.2	3.6
246	18	6	-5	-2	1	-1	6.8	-1	1.6	-2	110	89	2.84	-100	-10	-200	-2	-0.2	7.9
247	19	7	-5	-2	1	1	7.3	2	1.9	-2	140	49	2.72	-100	-10	480	-2	0.3	4.9
248	20	16	-5	-2	1	1	6.5	-1	1.6	-2	150	51	2.55	-100	-10	-200	-2	0.2	4.3
249	21	18	-5	-2	-1	1	4.6	2	0.9	-2	-100	280	2.63	-100	-10	-200	-2	0.3	18.0
250	22	5	-5	-2	1	1	7.0	2	1.8	-2	140	56	2.74	-100	-10	210	-2	0.2	4.8
251	23	13	-5	-2	-1	-1	6.5	2	2.1	-2	290	59	2.80	-100	-10	270	-2	-0.2	5.2
252	24	18	-5	-2	-1	1	1.5	-1	0.4	-2	140	32	1.20	-100	-10	-200	-2	-0.2	4.9
253	25	19	-5	-2	1	2	10.0	4	2.8	-2	250	240	2.45	-100	-10	650	-2	0.3	20.8
254	26	24	-5	-2	1	-1	7.6	-1	2.0	-2	140	49	2.73	-100	-10	240	-2	-0.2	4.8
255	27	15	-5	-2	-1	1	7.9	1	2.2	2	140	61	3.17	-100	-10	310	-2	0.3	5.4
256	28	8	-5	-2	1	1	8.0	1	2.2	-2	140	54	2.55	-100	-10	210	-2	0.3	5.2
257	29	16	-5	-2	-1	1	3.2	2	1.0	-2	230	35	2.70	-100	-10	240	-2	0.2	3.8
258	30	21	-5	-2	-1	1	3.7	3	1.1	-2	180	48	3.15	-100	-10	-200	-2	0.2	4.6
259	31	24	-5	-2	1	-1	3.9	4	1.2	-2	130	48	3.60	-100	-10	-200	-2	-0.2	4.6
260	32	14	-5	-2	1	1	3.7	3	1.0	-2	140	44	2.72	-100	-10	-200	-2	0.2	4.6
261	33	15	-5	-2	1	1	7.1	1	2.1	-2	150	54	2.61	-100	-10	240	-2	0.3	4.9
262	35	10	-5	-2	-1	1	6.1	-1	1.9	-2	100	45	2.34	-100	-10	300	-2	-0.2	3.4
263	36	16	-5	-2	-1	1	6.5	3	1.8	-2	-100	60	2.44	-100	-10	-200	-2	0.2	4.0
264	38	17	-5	-2	-1	-1	4.2	1	1.1	-2	-100	52	4.34	-100	-10	270	-2	-0.2	4.0
265	39	21	-5	-2	-1	1	5.3	34	0.9	-2	-100	43	2.32	-100	-10	240	-2	0.2	2.9
266	40	1	-5	-2	-1	1	1.2	3	0.2	-2	150	32	2.60	-100	-10	-200	-2	0.4	3.4
267	41	6	-5	-2	1	1	1.5	8	0.3	2	160	46	4.34	-100	-10	-200	-2	0.3	4.1
268	42	9	-5	-2	-1	-1	0.7	-1	-0.2	2	130	15	1.70	-100	-10	260	-2	0.3	2.5
269	43	8	-5	-2	1	1	7.6	2	2.2	-2	200	75	0.73	-100	-10	340	-2	0.3	5.1
270	44	1	-5	-2	-1	-1	6.3	3	1.8	-2	150	65	2.41	-100	-10	360	-2	0.2	3.9
271	45	2	-5	-2	-1	-1	1.3	4	0.4	2	180	25	1.40	-100	-10	260	-2	0.3	3.3
272	46	3	-5	-2	-1	1	0.9	-1	-0.2	2	130	25	2.12	-100	-10	340	-2	0.4	3.2
273	47	7	-5	-2	1	1	1.0	-1	-0.2	3	330	28	1.80	-100	-10	-200	-2	0.3	3.2
274	48	1	-5	-2	1	1	1.4	-1	0.3	3	130	28	0.84	-100	-10	270	-2	0.5	3.3
275	48	2	-5	-2	-1	1	1.2	-1	0.3	3	120	26	1.00	-100	-10	410	-2	0.5	3.2
276	49	5	-5	-2	-1	1	0.6	-1	-0.2	3	120	27	2.93	-100	-10	350	-2	0.4	3.4
277	50	1	-5	-2	-1	1	0.4	-1	-0.2	2	130	24	0.91	-100	-10	-200	-2	0.4	3.2
278	51	3	-5	-2	1	1	2.1	-1	0.5	2	-100	32	2.12	-100	-10	-200	-2	0.4	3.5
279	51	4	-5	-2	1	1	1.6	-1	0.5	-2	140	32	0.58	-100	-10	380	-2	0.4	3.4
280	52	3	-5	-2	1	1	1.0	-1	0.3	3	120	32	2.90	-100	-10	-200	-2	0.4	3.6
281	53	2	-5	-2	1	1	2.4	4	0.6	2	-100	43	2.28	-100	-10	360	-2	0.3	3.9
282	54	4	-5	-2	1	1	3.0	4	0.7	3	120	50	3.09	-100	-10	250	-2	0.4	4.9
283	55	8	-5	-2	-1	1	1.0	3	0.2	3	160	20	2.35	-100	-10	390	-2	0.3	2.5
284	56	4	-5	-2	-1	-1	4.2	-1	0.7	-2	170	43	2.79	-100	-10	250	-2	-0.2	3.3

BURNT BUSH MINOR ELEMENTS >> BEDROCK << [87/12/22] B

Record	Hole no	Sample no	Se ppm	Ag ppm	Ta ppm	Tb ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm	Ce ppm	Na %	Sn ppm	Te ppm	Zr ppm	Br ppm	Lu ppm	Sm ppm
285	56	5	-5	-2	-1	-1	4.2	1	0.6	-2	190	51	2.54	-100	-10	240	-2	-0.2	3.6
286	57	3	-5	-2	1	1	0.9	-1	-0.2	3	270	43	2.01	-100	-10	480	-2	0.6	5.0
287	58	4	-5	-2	-1	1	1.5	-1	0.5	3	160	36	2.51	-100	-10	350	-2	0.5	3.9
288	59	6	-5	-2	1	1	1.1	4	0.3	4	160	35	2.69	-100	-10	-200	-2	0.7	4.4
289	60	5	-5	-2	-1	1	0.6	2	-0.2	2	140	15	1.80	-100	-10	-200	-2	0.3	2.4
290	61	14	-5	-2	-1	-1	1.7	5	0.5	-2	130	34	3.45	-100	-10	-200	-2	-0.2	2.4
291	62	12	-5	-2	-1	1	1.0	3	0.2	3	160	37	2.28	-100	-10	350	-2	0.5	4.2
292	63	2	-5	-2	1	1	1.7	-1	0.5	4	120	39	2.81	-100	-10	260	-2	0.6	4.9
293	64	4	-5	-2	1	1	0.6	-1	0.2	5	260	45	2.10	-100	-10	-200	-2	0.7	5.0
294	65	5	-5	-2	1	1	2.2	-1	0.5	3	140	35	2.77	-100	-10	380	-2	0.3	3.6
295	66	2	-5	-2	-1	-1	5.6	-1	1.3	-2	160	78	4.21	-100	-10	-200	-2	-0.2	4.9
296	67	4	-5	-2	-1	1	0.8	-1	-0.2	3	180	14	1.40	-100	-10	-200	-2	0.5	2.7
297	67	8	-5	-2	-1	1	0.7	2	-0.2	3	250	24	1.40	-100	-10	260	-2	0.5	3.2
298	68	1	-5	-2	1	2	2.5	2	0.5	6	160	80	2.58	-100	-10	530	-2	1.0	8.6
299	69	1	-5	-2	1	2	2.3	-1	0.5	6	170	73	2.13	-100	-10	470	-2	0.9	7.3
300	70	3	-5	-2	-1	1	1.4	5	0.3	-2	110	25	2.31	-100	-10	-200	-2	0.3	3.3
301	71	1	-5	-2	-1	-1	5.0	2	1.0	-2	-100	70	4.11	-100	-10	250	-2	-0.2	3.8
302	72	4	-5	-2	-1	-1	0.3	-1	-0.2	-2	140	14	1.50	-100	-10	-200	-2	0.2	2.0
303	73	2	-5	-2	-1	-1	4.7	-1	0.9	-2	130	68	4.52	-100	-10	230	-2	-0.2	4.3
304	74	3	-5	-2	-1	1	1.5	-1	0.3	3	130	25	2.16	-100	-10	290	-2	0.4	3.5
305	75	1	-5	-2	-1	1	3.2	-1	0.7	-2	130	52	2.94	-100	-10	-200	-2	0.3	4.0
306	76	1	-5	-2	-1	-1	3.9	13	0.9	-2	180	91	5.15	-100	-10	290	-2	-0.2	5.6
307	77	3	-5	-2	-1	1	6.7	6	2.0	-2	150	81	2.62	-100	-10	-200	-2	-0.2	5.3
308	77	4	-5	-2	-1	-1	4.7	6	1.3	-2	-100	60	1.50	-100	-10	300	-2	-0.2	3.8
309	78	6	-5	-2	-1	-1	4.0	4	0.7	-2	130	62	4.65	-100	-10	-200	-2	-0.2	4.1
310	79	3	-5	-2	-1	-1	3.6	2	0.9	-2	-100	70	4.37	-100	-10	-200	-2	-0.2	4.4
311	80	2	-5	-2	-1	1	2.7	4	0.7	-2	300	42	0.38	-100	-10	230	-2	0.3	4.0
312	81	1	-5	-2	1	-1	3.5	-1	0.7	-2	100	58	3.68	-100	-10	220	-2	-0.2	3.8
313	82	13	-5	-2	-1	-1	6.6	2	1.3	-2	120	74	2.61	-100	-10	-200	-2	-0.2	5.4
314	83	2	-5	-2	-1	-1	3.7	2	0.9	-2	110	78	3.72	-100	-10	-200	-2	-0.2	4.9
315	84	8	-5	-2	-1	1	6.3	3	1.6	-2	130	58	2.04	-100	-10	300	-2	0.2	3.9
316	85	10	-5	-2	-1	-1	5.2	1	1.2	-2	140	70	0.85	-100	-10	230	-2	-0.2	5.0
317	86	6	-5	-2	1	1	0.7	-1	-0.2	2	160	46	1.90	-100	-10	270	-2	0.4	4.3
318	87	4	-5	-2	1	1	0.8	-1	0.3	4	180	34	2.37	-100	-10	340	-2	0.7	4.0
319	88	7	-5	-2	1	1	18.0	2	5.0	3	910	62	2.41	-100	-10	-200	-2	0.5	3.5
320	89	11	-5	-2	-1	1	1.8	-1	0.4	3	-100	26	2.20	-100	11	-200	-2	0.4	2.8
321	90	15	-5	-2	-1	1	3.2	2	0.7	-2	510	48	1.00	-100	-10	260	-2	0.3	3.3
322	91	8	-5	-2	-1	1	0.4	-1	-0.2	3	180	19	1.70	-100	-10	-200	-2	0.6	2.9
323	92	4	-5	-2	1	2	2.8	-1	0.7	6	200	62	2.96	-100	-10	510	-2	1.0	6.8
324	93	7	-5	-2	1	1	1.3	2	0.4	-2	120	21	3.11	-100	-10	280	-2	0.3	3.3
325	94	8	-5	-2	1	1	0.9	4	-0.2	3	140	23	2.83	-100	-10	-200	-2	0.5	3.4
326	95	6	-5	-2	1	1	1.0	-1	-0.2	3	110	25	2.28	-100	-10	280	-2	0.4	3.1
327	96	17	-5	-2	1	1	0.5	-1	0.2	3	110	38	1.70	-100	-10	360	-2	0.4	6.1
328	97	17	-5	-4	-1	1	2.1	-2	0.4	3	150	19	1.90	-100	-10	-440	4	0.4	4.4
329	98	13	-5	-2	-1	1	1.5	-1	0.3	-2	-100	22	2.00	-100	-10	-200	2	0.2	3.0
330	99	5	-5	-2	1	1	1.0	-1	0.3	2	200	25	1.40	-100	-10	-200	-2	0.3	4.1
331	100	19	-5	-2	-1	1	0.8	-1	-0.2	2	130	30	2.13	-100	-10	520	2	0.4	5.1
332	101	16	-5	-2	1	1	2.8	-1	0.5	3	230	41	0.64	-100	-10	-200	-2	0.4	5.5
333	102	14	-5	-2	1	1	1.1	-1	0.3	-2	140	21	3.14	-100	-10	-200	3	0.3	2.9
334	103	18	-5	-2	1	1	0.3	-2	-0.2	3	150	19	1.40	-100	-10	-400	-2	0.5	4.8
335	104	20	-5	-2	-1	1	5.5	-1	1.5	-2	-100	41	2.47	-100	-10	-200	-2	-0.2	4.0
336	105	9	-5	-4	-1	1	0.8	-2	-0.2	3	160	14	2.30	-100	-10	-450	-2	0.5	4.5
337	107	23	-5	-2	1	1	7.9	2	2.1	2	-100	54	2.63	-100	-10	-200	-2	0.4	5.6
338	108	14	-5	-2	-1	1	3.5	-1	0.9	-2	130	38	3.08	-100	-10	-200	-2	0.2	4.6
339	109	20	-5	-2	1	1	7.0	-1	2.1	2	110	58	2.67	-100	-10	540	-2	0.2	5.6
340	110	13	-5	-2	1	1	8.1	-2	2.2	-2	-100	57	2.67	-100	-10	-200	-2	0.2	5.6

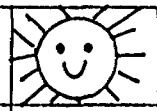
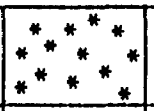
Record	Hole no	Sample no	Se ppm	Ag ppm	Ta ppm	Tb ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm	Ce ppm	Na %	Sn ppm	Te ppm	Zr ppm	Br ppm	Lu ppm	Sm ppm
341	111	12	-5	-2	1	-1	8.0	-2	2.2	-2	130	69	4.26	-100	-10	580	-2	-0.2	5.3
342	112	7	-5	-2	1	1	8.8	3	2.2	-2	170	45	2.37	-100	-10	-420	-2	0.3	5.7
343	113	13	-5	-2	-1	1	4.8	-1	1.4	-2	-100	44	3.69	-100	-10	-200	-2	0.2	4.4
344	114	14	-5	-2	-1	-1	4.8	-1	1.2	-2	120	36	3.19	-100	-10	-200	2	0.3	3.8
345	114	15	-5	-2	1	1	3.8	-1	1.1	-2	320	37	3.51	-100	-10	-200	-2	-0.2	3.3
346	115	18	-5	-2	-1	-1	3.1	49	1.2	-2	-100	21	2.70	-100	-10	-200	3	-0.2	2.1
347	116	5	-5	-2	1	1	14.0	-2	3.5	-2	150	76	3.18	-100	-10	-470	-2	0.4	5.8
348	117	6	-5	-4	1	1	9.1	-2	2.5	2	150	66	3.64	-100	-10	470	2	0.4	6.3
349	118	8	-5	-2	1	1	7.2	-1	2.0	-2	-100	41	2.48	-100	-10	-200	-2	0.3	4.5
350	119	2	-5	-2	-1	1	5.1	-2	1.4	-2	140	61	3.63	-100	-10	-420	2	0.4	5.3
351	120	2	-5	-2	1	1	5.5	-1	1.7	2	170	55	3.21	-100	-10	480	-2	0.4	5.8
352	121	2	-5	-2	1	1	9.0	-1	2.3	-2	110	64	2.37	-100	-10	390	-2	0.4	6.1
353	122	10	-5	-2	1	-1	8.7	-2	2.1	-2	120	69	3.39	-100	-10	-200	2	0.3	6.0
354	123	7	-5	-2	-1	1	3.4	-1	1.0	-2	150	38	3.78	-100	-10	-200	-2	-0.2	3.7
355	124	17	-5	-2	-1	1	2.7	6	0.8	-2	-100	37	3.83	-100	-10	-400	3	0.2	5.5
356	126	6	-5	-2	1	1	3.2	2	0.9	-2	120	30	3.36	-100	-10	-200	2	0.3	3.1
357	127	21	-5	-2	1	-1	5.4	-1	1.2	-2	-100	40	2.48	-100	-10	340	-2	-0.2	3.7
358	128	17	-5	-2	1	1	5.4	-1	1.1	-2	130	41	2.94	-100	-10	-200	2	-0.2	3.9
359	129	11	-5	-2	1	-1	5.0	-1	0.9	2	130	34	2.95	-100	-10	-200	3	0.2	3.7
360	130	11	-5	-2	-1	-1	4.0	-1	1.0	-2	150	46	3.33	-100	-10	-200	-2	0.2	4.3
361	131	8	-5	-2	-1	1	0.8	-1	-0.2	-2	-100	25	0.64	-100	-10	-200	-2	0.3	4.7
362	131	9	-5	-2	1	1	0.8	371	0.4	2	150	25	1.30	-100	-10	-440	-2	0.5	5.2
363	132	8	-5	-2	-1	1	0.8	-1	-0.2	2	-100	29	1.90	-100	-10	-200	-2	0.4	4.3
364	132	9	-5	-2	1	1	1.0	12	-0.2	3	130	34	3.50	-100	-10	-450	3	0.4	5.4
365	133	2	-5	-2	1	1	0.9	-2	0.3	3	180	28	2.44	-100	-10	-440	-2	0.4	4.8
131	JL-40-1	0	-5	-2	-1	0	0.5	-1	-0.2	-2	110	-9	-9.00	-9	-9	-9	-9	-9.0	-9.0

WEATHER LOG

As has been done in the past, a weather log is included for interest only.

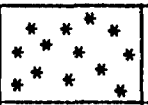
COGEMA Canada Ltée/Ltd.

FICHE DE TEMPÉRATURE

DATE	HEURE						MAX.	MIN.	REMARQUES
24/02	08 h	X							
	18 h	X					-2		les températures viennent du camp
25/02	08 h	X							Newmont
	18 h	X							
26/02	08 h	X							
	18 h	X					+3		
27/02	08 h	X							
	18 h	X					+8		
28/02	08 h			X		X			very light snow, but it is colder
	18 h	X							
01/03	08 h		X						strong wind, cold
	18 h			X					
02/03	08 h			X		X			accumulation overnight ≃8 cm
	18 h			X		X			
03/03	08 h			X		X			
	18 h			X		X			total accum. ≃20-25 cm
04/03	08 h	X							
	18 h	X							
05/03	08 h	X							
	18 h		X						
06/03	08 h		X						
	18 h			X		X			wet snow

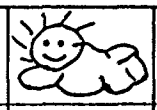
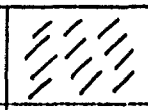
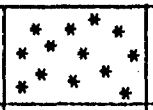
COGEMA Canada Ltée/Ltd.

FICHE DE TEMPÉRATURE

DATE	HEURE						MAX.	MIN.	R E M A R Q U E S
07/03	08 h			X					
	18 h	X							very warm today
08/03	08 h			X		X			very light snow, no accumulation
	18 h		X			X			very light snow, no accumulation
09/03	08 h	X							very cold this morning
	18 h	X							
10/03	08 h	X							extremely cold ≃-25°C ?
	18 h	X							
11/03	08 h	X							
	18 h			X					
12/03	08 h					X			
	18 h	X							
13/03	08 h	X							
	18 h	X							
14/03	08 h	X							cold nights, warm days
	18 h	X							eg ≃-20°C, -2°C
15/03	08 h	X							
	18 h	X							full moon
16/03	08 h	X							
	18 h	X							
17/03	08 h	X							
	18 h	X							

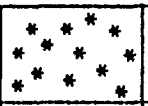
COGEMA Canada Ltée/Ltd.

FICHE DE TEMPÉRATURE

DATE	HEURE						MAX.	MIN.	REMARQUES
18/03	08 h	X							
	18 h	X							
19/03	08 h	X							
	18 h	X							
20/03	08 h	X							
	18 h	X							
21/03	08 h	X							
	18 h	X							
22/03	08 h	X							Timmins broke record for light temp.
	18 h	X							for this day 22/3; today 16°C, pre-
23/03	08 h	X							vious record 1919 at 13°C
	18 h	X							
24/03	08 h	X							
	18 h	X							
25/03	08 h	X							
	18 h			X					rain after 9 pm
26/03	08 h			X					foggy
	18 h			X					
27/03	08 h			X					very minor light snow on ground
	18 h			X					
28/03	08 h			X					very minor light snow on ground
	18 h				X				light rain all day

COGEMA Canada Ltée/Ltd.

FICHE DE TEMPÉRATURE

DATE	HEURE						MAX.	MIN.	REMARQUES
29/03	08 h			X					
	18 h					X			
30/03	08 h			X					accum. ≈10 cm
	18 h			X		X			
31/03	08 h			X		X			
	18 h		X						
01/04	08 h	X							
	18 h		X			X			
02/04	08 h		X			X			
	18 h		X						
03/04	08 h	X							
	18 h	X							
04/04	08 h	X							
	18 h	X							
05/04	08 h	X							
	18 h	X							
06/04	18 h	X							

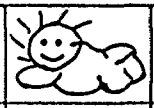
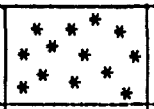
COGEMA Canada Ltée/Ltd.

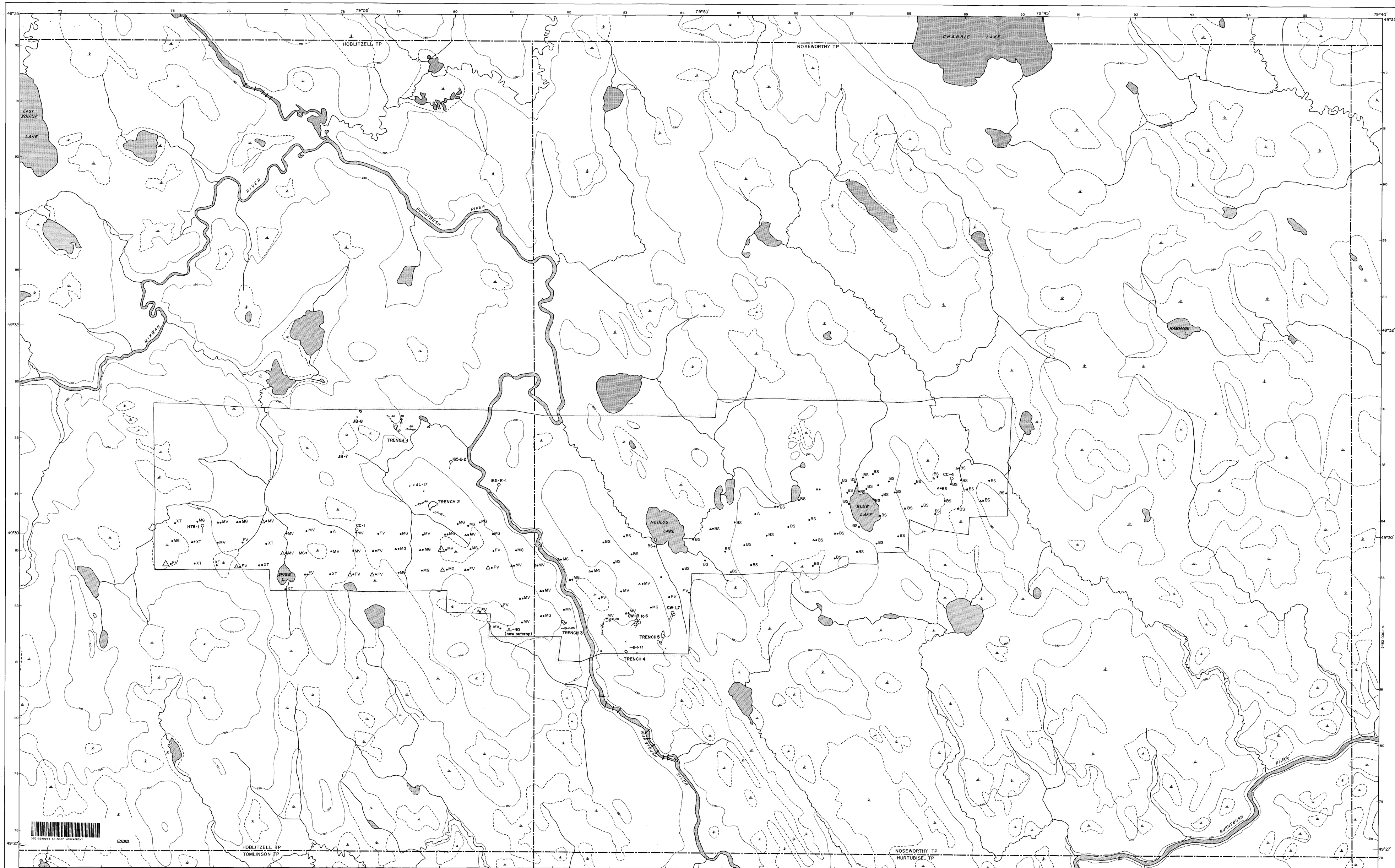
FICHE DE TEMPÉRATURE

DATE	HEURE						MAX.	MIN.	R E M A R Q U E S
03/06			PM	AM	nuit				
04/06		AM	PM						
05/06			AM/PM		nuit				
06/06		AM/PM							
07/06			AM/PM		nuit				
08/06			PM	PM/nuit	AM				matin pluvieux (frais)
09/06		PM		AM					matin frais (fumée)
10/06		AM	PM						matin frais; plusieurs averses PM
11/06			AM	PM	nuit				
12/06		soir	PM	AM					
13/06		AM/PM							
14/06		AM	PM		midi				
15/06		AM/PM			nuit				
16/06		AM/PM			AM tôt				
17/06		AM/PM							
18/06			AM	PM	PM				thunder showers
19/06		AM/PM							
20/06		AM/PM							
21/06		AM/PM							
22/06		AM/PM							
23/06		AM	PM						
24/06		AM	PM	PM	PM				thunder showers

COGEMA Canada Ltée/Ltd.

FICHE DE TEMPÉRATURE

DATE	HEURE						MAX.	MIN.	REMARQUES
25/06		AM	PM	PM					thunder showers
26/06			PM	PM	AM				thunder showers
27/06			AM	PM	PM				thunder showers
28/06		AM	PM	PM					
29/06		AM	PM		soir				
30/06			PM	AM	AM				
01/07		PM	AM						
02/07		AM	PM	PM					
03/07				AM	PM				
04/07			PM	AM					
05/07		PM	AM						
06/07		AM	PM						
07/07		AM	PM						
08/07		AM	PM						morning fog
09/07			PM	AM	nuit				
10/07				AM	AM				
11/07		AM	PM		soir/nuit				steady heavy rain all night - minor
12/07				AM/PM	soir/nuit				thunder lightning " "
13/07				AM/PM					
14/07			PM	AM					
15/07			AM						



LEGEND

MG Metagrabbro

BS Biotite schist

A Argillite

XT Felsic crystal tuffs

FV Felsic to intermediate metavolcanics

MV Mafic to intermediate metavolcanics

GEOCHEMISTRY SYMBOLS

▲ 5 - 9 ppb Au

△ 10 - 19 ppb Au

△ ≥ 20 ppb Au

SYMBOLS

Outcrop

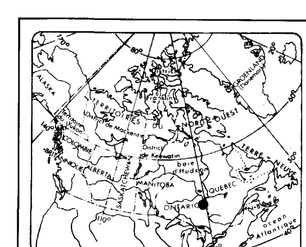
Strike and dip of foliation

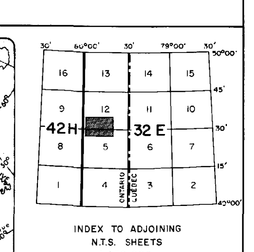
Azimuth and plunge of minor fold axis

Diamond drill hole, inclined (Drilled by previous claimholders)

Reverse circulation drill hole

JB-7 / Trench 2 — Outcrops referred to in text





COGEMA Canada Ltée/Ltd.

SCALE: 1:12,000

BURNTBUSH RIVER PROJECT

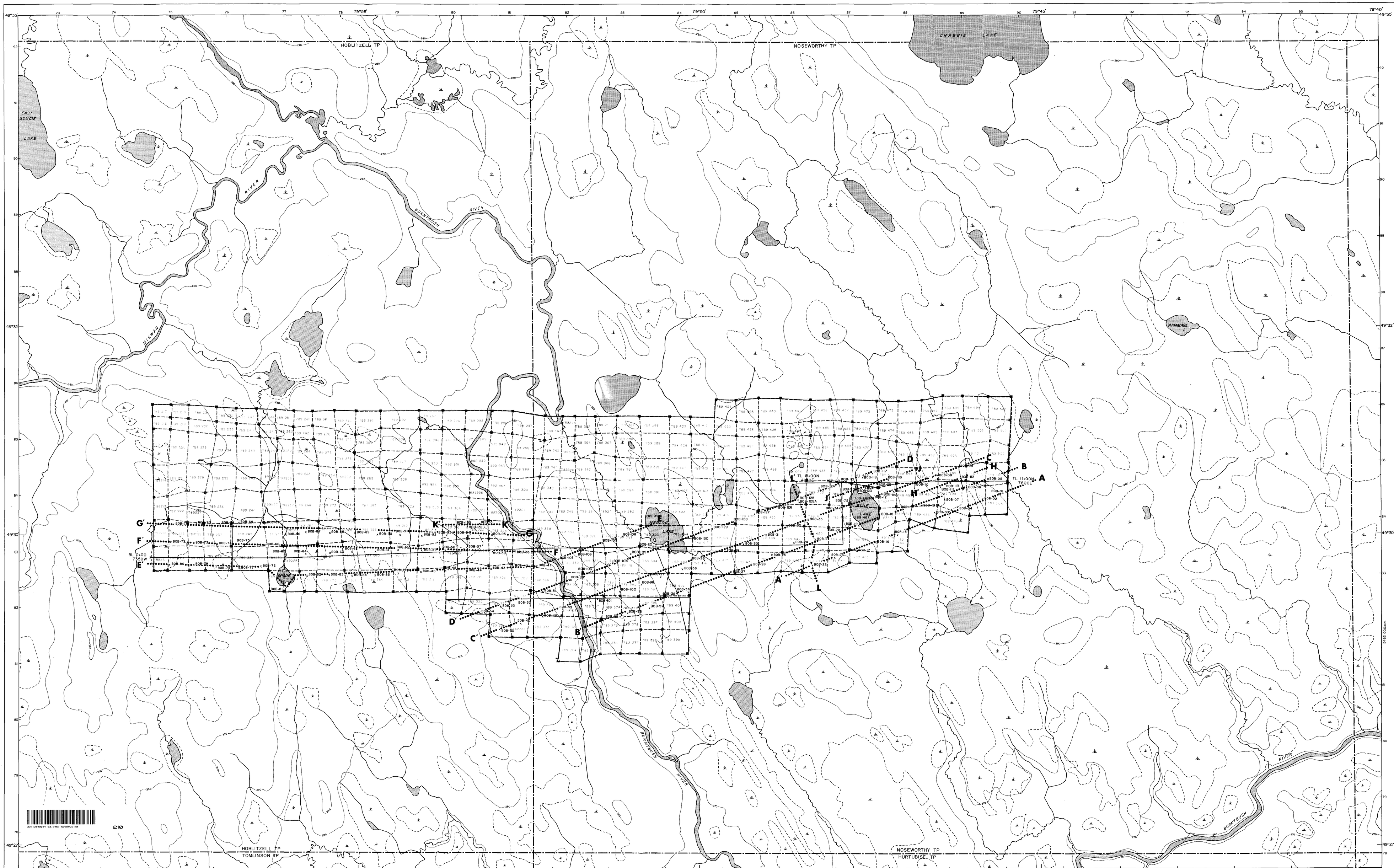
GEOLOGY AND GOLD GEOCHEMISTRY OF BEDROCK CHIP SAMPLES FROM REVERSE CIRCULATION DRILLING

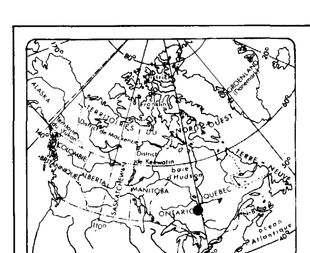
	Date
Interpretation by: J. Leorn, A. Marin	
Drafted by: R. Allie	1/88
Base map:	8/86
Revise by:	

Report no. 87-CND-47-04

Areas: no

MAP NO. 10





INDEX TO ADJOINING N.T.S. SHEETS 1/50,000

42H 32E

COGEMA Canada Inc/Ltd.

SCALE: 1:1/20,000

BURNTBUSH RIVER PROJECT

OM86-6-C-205 63.5467

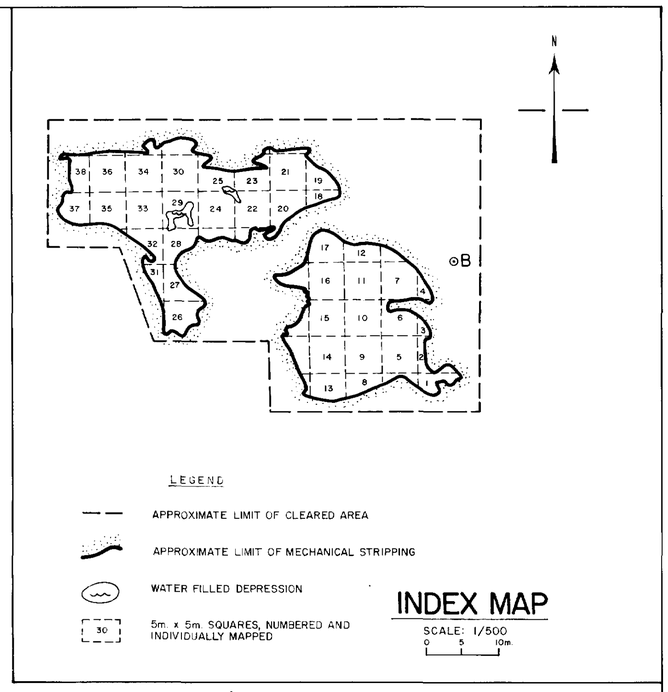
LOCATION OF DRILL HOLES AND KEY TO SECTIONS

Interpretation by J. Learn	Date
Drafted by R. Allie	12/87
Base map	8/86
Verified by	

Report no. 87-CND-47-04

Annex no.

MAP NO. 1



LEGEND

PRINCIPAL ROCK TYPES:

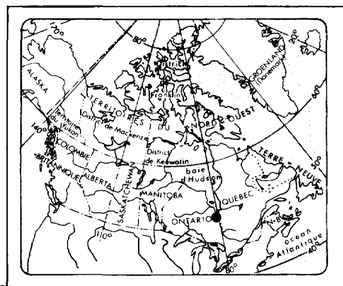
- Acid tuff or rhyolite
- Iron rich tuffs (lapilli to agglomerate).
- Dacitic tuff
- Mixed tuffs (iron rich and dacitic tuffs)

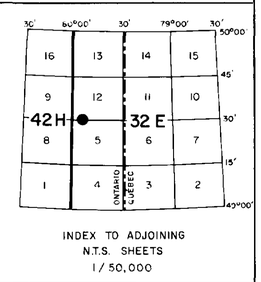
LATE DYKE AND VEIN

- Diabase dyke
- Quartz-epidote (-chlorite) veins & segregations
- Quartz, quartz-epidote veins
- ep — Epidote veinlets

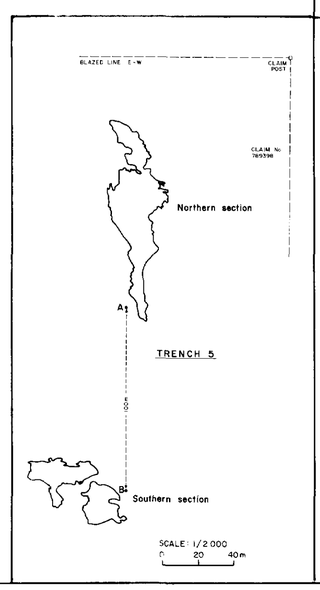
SYMBOLS:

- Geologic contact, observed
- 40 — Strike and dip of foliation (and bedding)
- 20 — Azimuth and plunge of minor fold axis
- 65 — Strike and dip of veins, vertical dip, dip direction known but not measured
- 50 — Strike and approximate dip of discrete fractures, vertical, inclined
- Sense of movement
- 140 — Orientation of glacial striae, ice direction inferred from regional knowledge
- T5-2 — Sample location
- GC003 — Channel sample location
- Limit of outcrop
- Water or overburden filled depression in outcrop exposure





INDEX TO ADJOINING N.T.S. SHEETS 1/50,000



COGEMA Canada Ltée/Ltd.

Scale: 1/100
0 2 4 6 8m

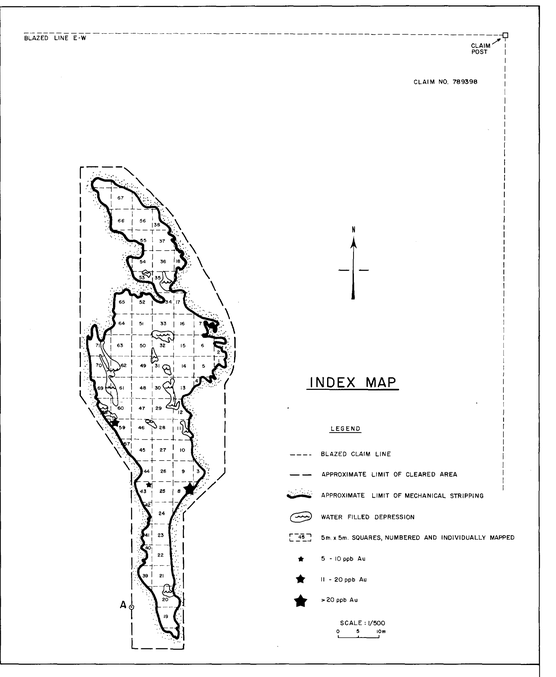
BURNTBUSH RIVER PROJECT

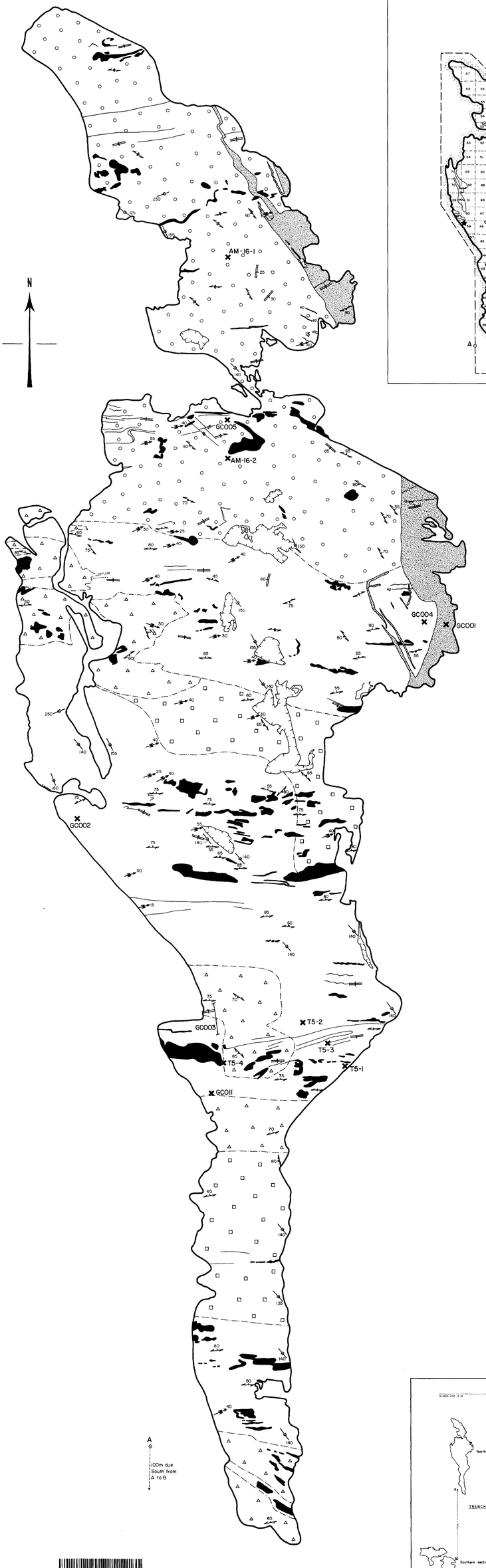
OM86-6-C-205 63.5467

TRENCH 5
DETAILED GEOLOGIC MAP
(Southern section)

Interpretation by: A. Morin	Date
Drafted by: R. Allie	19/8/87
Base map:	
Revise by:	

Report no. 87-CND-47-06	
Annex no.	
MAP NO.	





LEGEND

PRINCIPAL ROCK TYPES:

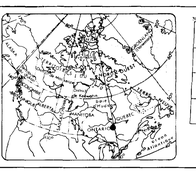
- Acid tuff or rhyolite
- Iron rich tuffs (lapilli to agglomerate)
- Dacitic tuff
- Mixed tuffs (iron rich and dacitic tuffs)

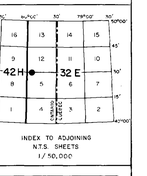
LATE DYKE AND VEIN

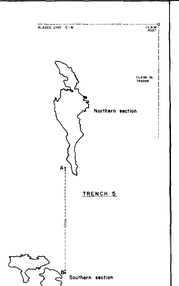
- Diabase dyke
- Quartz-epidote (-chlorite) veins & segregations
- Quartz, quartz-epidote veins
- Epidote veinlets

SYMBOLS:

- Geologic contact, observed
- Strike and dip of foliation (and bedding)
- Azimuth and plunge of minor fold axis
- Strike and dip of veins, vertical dip, dip direction known but not measured
- Strike and approximate dip of discrete fractures, vertical, inclined
- Sense of movement
- Orientation of glacial striae, ice direction inferred from regional knowledge
- T5-2 Sample location
- GC003 Channel sample location
- Limit of outcrop
- Water or overburden filled depression in outcrop exposure







COGEMA Canada Ltée/Ltd.

Scale: 1/100

BURNTBUSH RIVER PROJECT

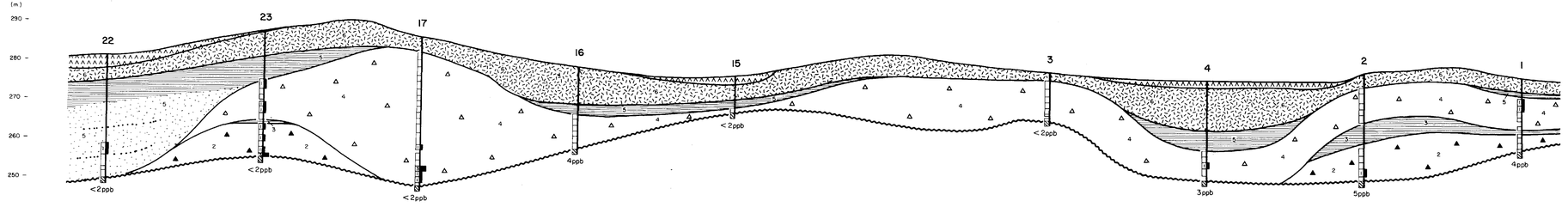
OM86-6-C-205 63.5467

TRENCH 5
DETAILED GEOLOGIC MAP
(Northern section)

Interpretation by A. Marin	Date	Report no. 87-CND-47-06
Drafted by: R. Allie	17/8/87	Annex no.
Base map:		MAP NO.
Revise by:		

SW

A'



240

NE

A

(m)
290
280
270
260
250
240
230

LEGEND*

- ORGANICS
- 6 — COCHRANE TILL (and sediments)
  - Gravel rich till (result of erosion of Ojibway II esker)
- 5 c, b, a — OJIBWAY II SEDIMENTS
  - 5c Glaciolacustrine clay member
  - 5b Glaciolacustrine sand member (fine sands)
  - 5a Glaciofluvial member (coarse sand and gravel)
  - Note: members may be mixed and/or interbedded
- 4 — MATHESON TILL
  - Very clayey till
  - Very sandy till, or sandy, gravelly till
  - Minor pure clay, sorted sandy or gravel sections
- 3 c, a — MISSINABI SEDIMENTS
  - 3c Glaciolacustrine (clay and/or fine sand) member
  - 3a Fluvial member (coarse sand and/or gravel)
  - Note: members may be mixed and/or interbedded
- 2 — LOWER TILL
  - Very clayey till
  - Minor sorted gravel section
- 1 — OLDER SEDIMENTS ?

* Quaternary stratigraphy presented is field interpretation, see text.

SYMBOLS

- 23 — Drill hole number
- Trace of drill hole
- Overburden sample with no gold grains
- Boulder which was sampled (mineralization present)
- Sample with one gold grain
- Interval not sampled (clay, boulder etc.)
- Overburden sample with 3 gold grains
- Bedrock surface
- 2ppb — Bedrock sample with Au result

100m
10m

HORIZONTAL SCALE 1: 5000
VERTICAL SCALE 1: 500
VERTICAL EXAGGERATION 10X

OM86-6-C-205
63 5467

COGEMA CANADA LTD

BURNTBUSH RIVER PROJECT

QUATERNARY SECTION
A – A'

Interpretation: J. Learn, R. St. Jean 1987

Report no. 87-CND-47-04 MAP: 2


SW
B'
NE
B
(m.)
290
280
270
260
250
240
230
99
98
97
38
39
27
26
25
24
21
20
19
18
14
13
7
6
5
Blue Lake
3ppb
6ppb
< 2ppb
4ppb
3ppb
< 2ppb
< 2ppb
< 2ppb
< 2ppb
9ppb
5ppb
< 2ppb
4ppb
6ppb
< 2ppb
< 2ppb
< 2ppb
< 2ppb
250
LEGEND*
ORGANICS
6 COCHRANE TILL (and sediments)
Gravel rich till
(result of erosion of Ojibway II esker)
5 OJIBWAY II SEDIMENTS
5c Glaciolacustrine clay member
5b Glaciolacustrine sand member (fine sands)
5a Glaciofluvial member (coarse sand and gravel)
Note: members may be mixed and/or interbedded
4 MATHESON TILL
Very clayey till
Very sandy till, or sandy, gravelly till
Minor pure clay, sorted sandy or gravel sections
3 MISSINAIBI SEDIMENTS
3c Glaciolacustrine (clay and/or fine sand) member
3a Fluvial member (coarse sand and/or gravel)
Note: members may be mixed and/or interbedded
2 LOWER TILL
Very clayey till
Minor sorted gravel section
1 OLDER SEDIMENTS ?
* Quaternary stratigraphy presented is field interpretation; see text.
SYMBOLS
23 Drill hole number
Trace of drill hole
Overburden sample with no gold grains
Boulder which was sampled (mineralization present)
Sample with one gold grain
Interval not sampled (clay, boulder etc.)
Overburden sample with 3 gold grains
Bedrock surface
Bedrock sample with Au result
2ppb
100m
10m
HORIZONTAL SCALE 1: 5000
VERTICAL SCALE 1: 500
VERTICAL EXAGGERATION 10X
OM86-6-C-205
63.5467
COGEMA CANADA LTD
BURNTBUSH RIVER PROJECT
QUATERNARY SECTION
B – B'
Interpretation: J. Learn, R. St-Jean
1987
Report no: 87-CND-47-04
MAP: 3

LEGEND*

ORGANICS

6 COCHRANE TILL (and sediments)

Gravel rich till (result of erosion of Ojibway II esker)

5 OJIBWAY II SEDIMENTS

c, b, a
5c Glaciolacustrine clay member
5b Glaciolacustrine sand member (fine sands)
5a Glaciofluvial member (coarse sand and gravel)
Note: members may be mixed and/or interbedded

4 MATHESON TILL

Very clayey till
Very sandy till, or sandy, gravelly till
Minor pure clay, sorted sandy or gravel sections

3 MISSINAIBI SEDIMENTS

c, a
3c Glaciolacustrine (clay and/or fine sand) member
3a Fluvial member (coarse sand and/or gravel)
Note: members may be mixed and/or interbedded

2 LOWER TILL

Very clayey till
Minor sorted gravel section

1 OLDER SEDIMENTS ?

* Quaternary stratigraphy presented is field interpretation; see text.

SYMBOLS

23 — Drill hole number
— Trace of drill hole
— Overburden sample with no gold grains
— Boulder which was sampled (mineralization present)
— Sample with one gold grain
— Interval not sampled (clay, boulder etc.)
— Overburden sample with 3 gold grains
— Bedrock surface
2ppb — Bedrock sample with Au result

100m
10m

HORIZONTAL SCALE 1: 5000
VERTICAL SCALE 1: 500
VERTICAL EXAGGERATION 10X

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63.5467

COGEMA CANADA LTD	
BURNTBUSH RIVER PROJECT	
QUATERNARY SECTION C - C'	
Interpretation: J. Dearn, R. St-Jean	1987
Report no. 87-CND-47-04	MAP: 4

LEGEND*

ORGANICS

6 COCHRANE TILL (and sediments)

Gravel rich till (result of erosion of Ojibway II esker)

5 OJIBWAY II SEDIMENTS
- 5c Glaciolacustrine clay member
- 5b Glaciolacustrine sand member (fine sands)
- 5a Glaciofluvial member (coarse sand and gravel)

Note: members may be mixed and/or interbedded

4 MATHESON TILL
- Very clayey till
- Very sandy till, or sandy, gravelly till
- Minor pure clay, sorted sandy or gravel sections

3 MISSINAIBI SEDIMENTS
- 3c Glaciolacustrine (clay and/or fine sand) member
- 3a Fluvial member (coarse sand and/or gravel)

Note: members may be mixed and/or interbedded

2 LOWER TILL
- Very clayey till
- Minor sorted gravel section

1 OLDER SEDIMENTS ?

* Quaternary stratigraphy presented is field interpretation; see text.

SYMBOLS

- 23 — Drill hole number
- Trace of drill hole
- Overburden sample with no gold grains
- Boulder which was sampled (mineralization present)
- Sample with one gold grain
- Interval not sampled (clay, boulder etc.)
- Overburden sample with 3 gold grains
- Bedrock surface
- Bedrock sample with Au result (2ppb)

100m / 10m

HORIZONTAL SCALE 1: 5000
VERTICAL SCALE 1: 500
VERTICAL EXAGGERATION 10X

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QUATERNARY SECTION D – D'

Interpretation: J. Learn, R. St-Jean 1987

Report no. 87-CND-47-04 MAP: 5

270

LEGEND*

		ORGANICS
6		COCHRANE TILL (and sediments)
		Gravel rich till (result of erosion of Ojibway II esker)
5	c, b, a	OJIBWAY II SEDIMENTS 5c Glaciolacustrine clay member 5b Glaciolacustrine sand member (fine sands) 5a Glaciofluvial member (coarse sand and gravel) Note: members may be mixed and/or interbedded
4		MATHESON TILL
		Very clayey till
		Very sandy till, or sandy, gravelly till
		Minor pure clay, sorted sandy or gravel sections
3	c, a	MISSINAIBI SEDIMENTS 3c Glaciolacustrine (clay and/or fine sand) member 3a Fluvial member (coarse sand and/or gravel) Note: members may be mixed and/or interbedded
2		LOWER TILL
		Very clayey till
		Minor sorted gravel section
1		OLDER SEDIMENTS ?

* Quaternary stratigraphy presented is field interpretation; see text.

SYMBOLS

- 23 — Drill hole number
- Trace of drill hole
- Overburden sample with no gold grains
- Boulder which was sampled (mineralization present)
- Sample with one gold grain
- Interval not sampled (clay, boulder etc.)
- Overburden sample with 3 gold grains
- Bedrock surface
- 2ppb — Bedrock sample with Au result

100m — 10m

HORIZONTAL SCALE 1: 5000
VERTICAL SCALE 1: 500
VERTICAL EXAGGERATION 10X

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BURNTBUSH RIVER PROJECT

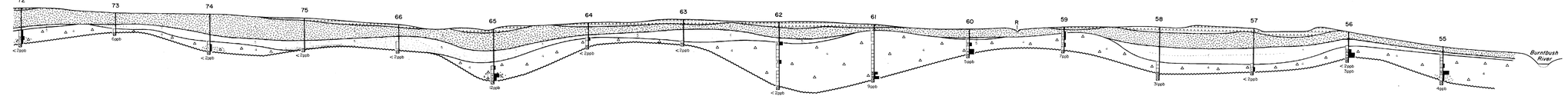
QUATERNARY SECTION
E – E'

Interpretation: J. Learn, R. St-Jean 1987
Report no. 87-CND-47-04 MAP: 6

280

W

F'



F

E

LEGEND*

ORGANICS

6 COCHRANE TILL (and sediments)

Gravel rich till
Result of erosion of Ojibway II esker?

OJIBWAY II SEDIMENTS

5c Glaciolacustrine clay member
5b Glaciolacustrine sand member (fine sands)
5a Glaciofluvial member (coarse sand and gravel)
*note members may be mixed and/or interbedded

4 MATHESON TILL

Very clayey till
Very sandy till, or sandy, gravelly till
Minor pure clay, sorted sandy or gravel sections

3 MOOSAMIN SEDIMENTS

3c Glaciolacustrine silty and/or fine sandy member
3a Glaciofluvial member (sand and gravel)
*note members may be mixed and/or interbedded

2 LOWER TILL

Very clayey till
Minor sorted gravel section

1 OLDER SEDIMENTS ?

* Quaternary stratigraphy presented is field interpretation, see text.

SYMBOLS

23 — Drill hole number
Trace of drill hole
Overburden sample with no gold grains
Boulder, which was sampled (mineralization present)
Sample with one gold grain
Interval not sampled (clay, boulder etc.)
Overburden sample with 3 gold grains
Bedrock surface
2ppb — Bedrock sample with Au result

100m
10m
10x

HORIZONTAL SCALE 1:5000
VERTICAL SCALE 1:500
VERTICAL EXAGGERATION 10X

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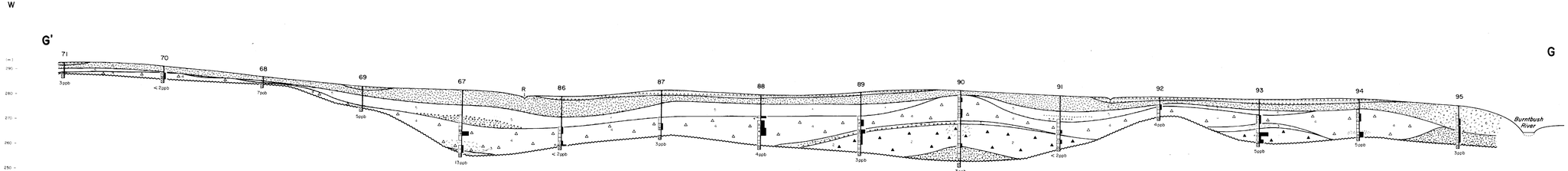
QUATERNARY SECTION
F - F'

Interpretation: J. Dyer, R St-Jean 1987
Report no. 87-CND-47-04 MAP 7

2190

W

G'



G

E

LEGEND*

- ORGANICS
- 6 COCHRANE TILL (and sediments)
  - Gravel rich till
  - Result of erosion of Ojibway & esker?
- 5 OJIBWAY II SEDIMENTS
  - c 5c Glaciolacustrine clay member
  - b 5b Glaciolacustrine sand member (fine sand)
  - a 5a Glaciofluvial member (sand and gravel)
  - Note: members may be mixed and/or interbedded
- 4 MATHESON TILL
  - Very clayey till
  - Very sandy till, or sandy, gravelly till
  - Minor pure clay, sorted sandy or gravel sections
- 3 MISSINAIBI SEDIMENTS
  - c 3c Glaciolacustrine silty and/or fine sand member
  - a 3a Fluvial member (coarse sand and/or gravel)
  - Note: members may be mixed and/or interbedded
- 2 LOWER TILL
  - Very clayey till
  - Minor sorted gravel section
- 1 OLDER SEDIMENTS ?

* Quaternary stratigraphy presented is field interpretation: see text.

SYMBOLS

- 23 — Drill hole number
- Trace of drill hole
- Overburden sample with no gold grains
- Boulder which was sampled (mineralization present)
- Sample with one gold grain
- Interval not sampled (clay, boulder etc.)
- Overburden sample with 3 gold grains
- Bedrock surface
- 2ppb — Bedrock sample with Au result

HORIZONTAL SCALE 1:5000
VERTICAL SCALE 1:500
VERTICAL EXAGGERATION 10X

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BURNTBUSH RIVER PROJECT

QUATERNARY SECTION

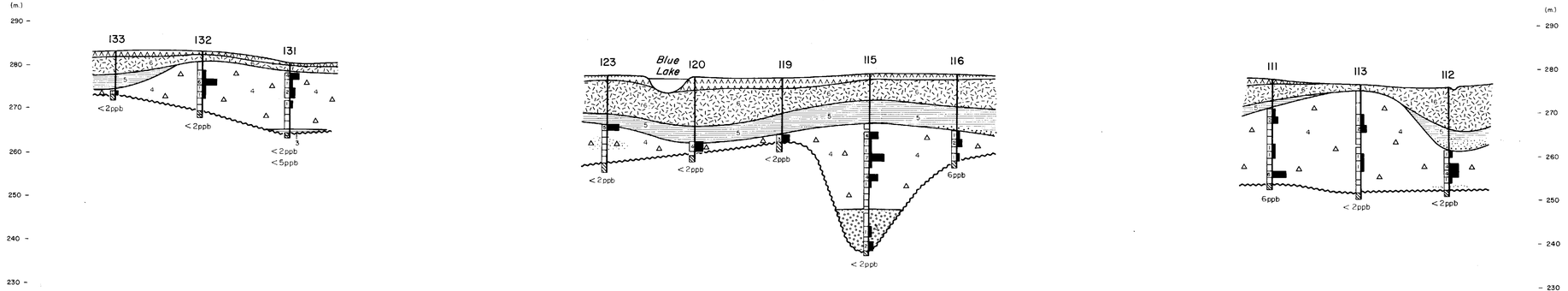
G - G'

Interpretation: J. Leone, N. St-Jean 1987

Report no. 87-CND-47-04 MAP: 8

W E SW NE SW NE

K' K J' J H' H



LEGEND*

- ORGANICS
- 6 COCHRANE TILL (and sediments)
  - Gravel rich till (result of erosion of Ojibway II esker)
- 5 OJIBWAY II SEDIMENTS
  - 5c Glaciolacustrine clay member
  - 5b Glaciolacustrine sand member (fine sands)
  - 5a Glaciofluvial member (coarse sand and gravel)
  - Note: members may be mixed and/or interbedded
- 4 MATHESON TILL
  - Very clayey till
  - Very sandy till, or sandy, gravelly till
  - Minor pure clay, sorted sandy or gravel sections
- 3 MISSINAIBI SEDIMENTS
  - 3c Glaciolacustrine (clay and/or fine sand) member
  - 3a Fluvial member (coarse sand and/or gravel)
  - Note: members may be mixed and/or interbedded
- 2 LOWER TILL
  - Very clayey till
  - Minor sorted gravel section
- 1 OLDER SEDIMENTS ?

* Quaternary stratigraphy presented is field interpretation: see text.

SYMBOLS

- 23 — Drill hole number
- Trace of drill hole
- Overburden sample with no gold grains
- Boulder which was sampled (mineralization present)
- Sample with one gold grain
- Interval not sampled (clay, boulder etc.)
- Overburden sample with 3 gold grains
- Bedrock surface
- 2ppb — Bedrock sample with Au result

100m / 10m

HORIZONTAL SCALE 1: 5000
VERTICAL SCALE 1: 500
VERTICAL EXAGGERATION 10X

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QUATERNARY SECTION
H - H', J - J', K - K'

Interpretation: J. Dorn, R. St-Jean 1987

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