GM 44011

REPORT ON REVERSE CIRCULATION DRILLING, ENJARLAN-CARHEIL JOINT VENTURE PROPERTIES

REPORT

ON

REVERSE CIRCULATION DRILLING

ON THE

ENJALRAN-CARHEIL

JOINT VENTURE PROPERTIES

BAROQUE OPTION

FOR

PETROMET RESOURCES LTD.

AND

GREENSTRIKE GOLD CORPORATION

Ministère de l'Énergie et des Ressources
Service de la Géoinformation
Date: 10 MARS 1987
No G.M.: 44011

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MPH CONSULTING LIMITED

Toronto, Ontario
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SUMMARY

A major program of reverse circulation drill testing of electromagnetic and magnetic anomalies was completed on the Petromet/Baroque joint venture property in the Casa Berardi-Selbaie area of northwestern Quebec during early to mid-1986.

The work was carried out to test the geophysical features and their immediate environments for the presence of gold and/or base metal deposits.

Seventy-eight reverse circulation holes were drilled on and immediately down-ice from geophysical targets in two phases.

The four individual claims groups comprising the overall property cover portions of regional INPUT/magnetic trends reflective of major sedimentary/tuffaceous units with graphitic, sulphidic and oxide iron formation members. These rocks are in turn contained within thick sequences of predominantly mafic volcanics.

In general, a well developed till (Matheson Till) derived from the northwest was encountered in the project area. A second or Lower Till derived from the north-northeast was also encountered in areas of deeper overburden.

A total of 242 gold grains was observed in tabling and panning of overburden samples. Of those, 222 were abraded, 13 were irregular and 7 were delicate. Gold values in heavy mineral concentrates ranged from 5 ppb to 26,710 ppb and generally correlated well with gold grain sightings.

Although there are a number of scattered anomalous indications in gold ± base metals in the glacial tills, it has been concluded that there are no significant dispersion trains reflective of a major mineralized bedrock

source(s) on the present property. Certain limitations in the reverse circulation method are recognized however and we are of the opinion that there are a number of areas that warrant diamond drill testing based on the results of all of the work that has been carried out to date, including previous diamond drilling.

A total of 3,000 ft is recommended in 7-8 holes. Limited IP surveying (4 lines) will be required prior to drilling on the Enjalran Township claim group. The recommended program is estimated to cost $165,000.

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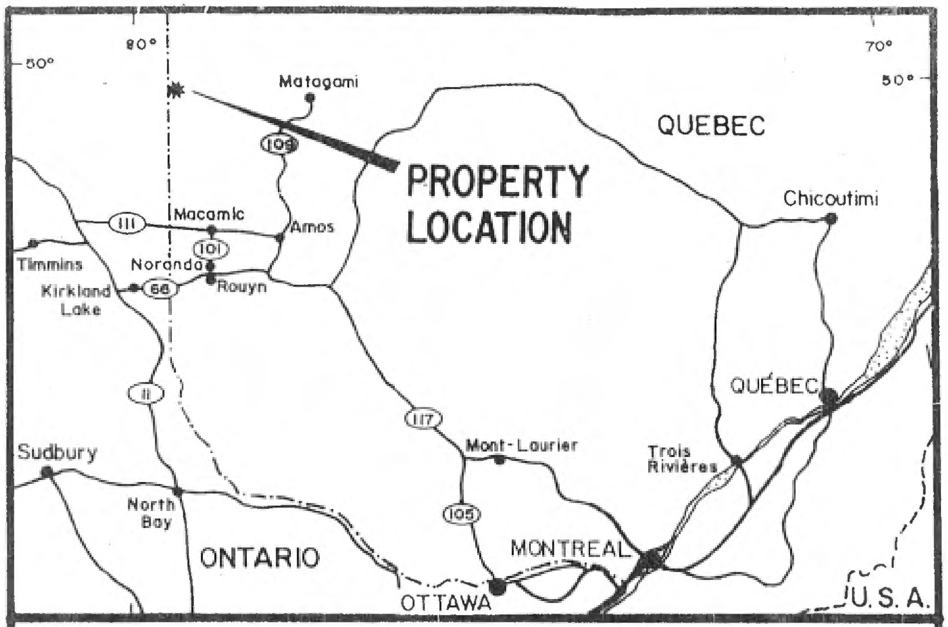

REGIONAL LOCATION MAP

SCALE

100 0 100 300

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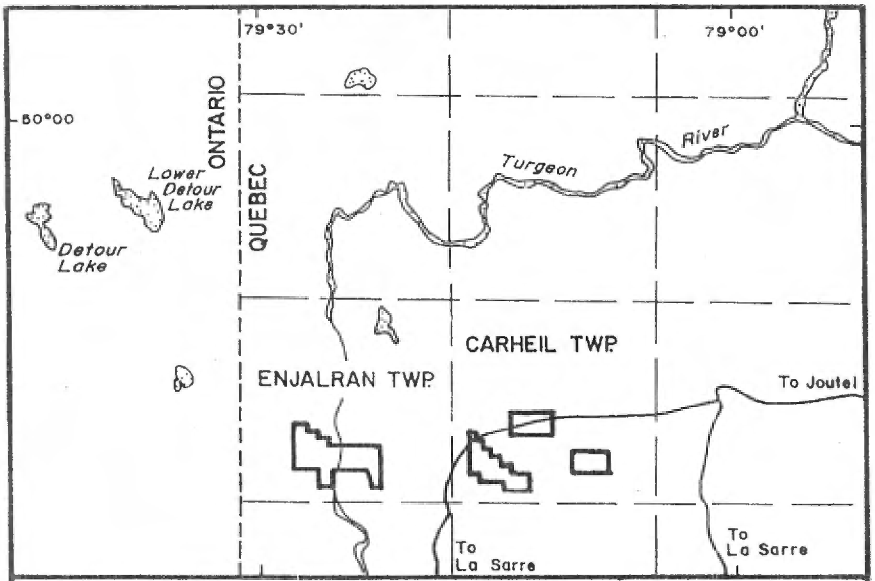

DETAILED LOCATION MAP

SCALE

5 0 5 10 20

METRES

PETROMET RESOURCES LIMITED–
GREENSTRIKE GOLD CORP.

BAROQUE RESOURCES LTD. –
ROYEX GOLD MINING CORP. OPTION

LOCATION MAP

Project No. C-856	By: J. Roth
Scale:	Drawn: MPH
Drawing No. Figure 1	Date: August, 1986

MPH **MPH Consulting Limited**

1.0 INTRODUCTION

A major program of ground geophysical surveying and reverse circulation drilling was conducted by MPH Consulting Limited on the Petromet/Baroque joint venture properties in the Casa Berardi-Selbaie area of northwestern Quebec during early to mid-1986. This work was preceeded by extensive data compilation and re-interpretation of previous exploration data.

Recent interest in this area centers around major discoveries in Casa Berardi (Golden Knight and Golden Hope deposits) and expanding operations and ore reserves at the Selbaie mine to the east of the present property.

Results of the ground geophysical surveying have already been presented to Petromet/Baroque in an MPH report entitled "Geophysical Report on the Baroque Option: Enjalran/Carheil Project, Casa Berardi-Selbaie Area" by J. Roth dated June, 1986.

It is the purpose of this report to present the results of the reverse circulation drilling program along with a description of the exploration methodology all in the context of the geology and mineral deposits of the region. Recommendations are made for a diamond drilling program and limited IP surveying to further evaluate several targets located by the foregoing work.

2.0 LOCATION, ACCESS AND INFRASTRUCTURE

The Petromet/Baroque project area is located in Carheil and Enjalran Townships some 110 km north of the town of La Sarre in northwestern Quebec and approximately 6-10 km east of the Ontario border (Figure 1).

The Lac Dieppe gravel road, which extends past the Golden Knight development, very conveniently passes through the Lac Santoire and Theo River portions of the property in Carheil Township. The Enjalran Township portion of the property is most easily accessed by helicopter from bases in La Sarre, Quebec or Cochrane, Ontario. Abitibi Helicopters Ltd. maintains one or more helicopters at the Teck-Golden Hope base camp on the Selbaie Road in Puisseaux Township, some 40 km to the southeast; these are often available for casual charter. Helicopters may be landed in several open swampy areas on the Baroque claims and in this area in general.

Existing hydro-electric power transmission lines extend to within 40 km due south of the property (at Val Paradis/Villebois) and more recently to the Selbaie mine, 30 km directly east of the property.

The Detour gold mining operation is located 35 km northwest of the property in the Province of Ontario.

La Sarre, population 10,000, serves as the main centre of service and supply in the area. Most forms of mining exploration support requirements are available here including fixed and rotary wing aircraft, food, fuel, etc., along with a skilled labour pool from which to draw a potential mining force. The main line of the Canadian National Railway passes through La Sarre.

The local economy is based on the logging, mining, farming, tourism and government service industries. It should be noted that active logging activities are being carried out in the general area. In addition to improving access, this will greatly facilitate ground exploration activities such as geophysical surveying and diamond drilling.

The nearest existing gold milling facilities which might be available for milling external ore on a custom or toll basis are those in the Rouyn-Noranda area to the south. Any mining-milling infrastructure established at the Inco-Golden Knight or Teck-Golden Hope project might also be available to receive custom ore. Such custom facilities might enable exploitation of a small or low grade deposit that did not justify its own mill.

3.0 PROPERTY

The Petromet/Baroque holdings consist of 194 unpatented mining claims in four separate claim blocks in Enjalran and Carheil Townships as follows:

Enjalran Township:

Claim Number	Expiry Date
437343-1 to 5	December 14, 1986
437344-1 to 5	December 15, 1986
437364-4 and 5	December 06, 1986
437365-4 and 5	December 07, 1986
437366-4 and 5	December 08, 1986
437367-4 and 5	December 09, 1986
437368-4 and 5	December 10, 1986
437369-1 to 5	December 11, 1986
437370-1 to 5	December 12, 1986
437371-1 to 4	December 13, 1986
437372-1 to 5	December 14, 1986
437373-1, 3, 4, 5	December 15, 1986
437411-1 to 5	December 07, 1986
437412-1 to 5	December 08, 1986
437413-1 and 2	December 09, 1986
437417-1 to 5	December 10, 1986
437418-1 to 3	December 11, 1986
437421-2 to 4	December 07, 1986

Total: 66 claims (1,038 hectares)

Figure 2a shows the relative disposition of the claims in Enjalran Township.

Carheil Township:

Claim Number	Expiry Date
Claim Block #2 - Theo River (30 claims)	
438294-1 to 5	January 05, 1987
438295-1 to 5	January 06, 1987
438296-1 to 5	January 07, 1987
438297-1 to 5	January 08, 1987
438298-1 to 5	January 09, 1987
438299-1 to 5	January 10, 1987
Claim Block #3 - Lac Carheil (16 claims)	
438300-1 to 5	January 11, 1987
438301-1 to 5	January 12, 1987
438302-1 to 5	January 13, 1987
438303-1	January 14, 1987
Claim Block #4 - Lac Santoire (82 claims)	
440689-2 to 5	December 30, 1986
440700-1 to 5	December 21, 1986
440701-1 to 5	December 22, 1986
440702-1 to 5	December 23, 1986
440703-1 to 5	December 24, 1986
440704-1 to 5	December 25, 1986
440705-1 to 5	December 26, 1986
440706-1 to 5	December 27, 1986
440707-1 to 5	December 28, 1986
440708-1 to 5	December 29, 1986
440709-1 to 5	December 30, 1986
440710-1 to 5	December 31, 1986
440711-1 to 5	December 22, 1986
440712-1 to 5	December 23, 1986

Claim Number	Expiry Date
Claim Block #4 - Lac Santoire (82 claims)	
440713-1 to 5	December 24, 1986
440714-1 to 5	December 25, 1986
440715-1 to 3	December 26, 1986

Total: 128 claims (2,048 hectares)

The disposition of these claims is shown in Figure 2b.

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The claims were originally acquired by Petromet Resources Ltd. by staking in December, 1985 and January, 1986. Greenstrike Gold Corp. was subsequently assigned an interest in the properties.

In January 1986, Petromet Resources as to 50% and Greenstrike Gold Corp. (controlled by Petromet) as to 50% optioned the claims to Baroque Resources Ltd. whereby the latter may earn a 50% interest in the claims by making expenditures of $1,000,000 including a $200,000 expenditure by the first anniversary date.

Under a separate agreement, Royex Gold Mining Corporation may, in turn, earn a 50% interest in the claims by funding further property expenditures, producing a feasibility study and arranging the financing required to bring a mine into production.

To maintain the claims in good standing, assessment work is required by the Quebec government on an annual expenditure basis for each claim as follows:

First year	$5/hectare (i.e. $80/claim)
Second to tenth years	$10/hectare (i.e. $160/claim)

Work performed on one claim may be applied to other claims of the same group provided the claims are contiguous and the claim grouping does not exceed 480 hectares (1,200 acres).

There is also an annual tax of $0.75/hectare which must be paid to the government within 10 days of the expiration date of the claim.

The holder of a claim(s) who wishes to retain his rights must apply for a development licence no later than 10 days prior to the expiration of a claim. The licence is valid for one year and must be renewed each year.

4.0 HISTORY AND PRESENT EXPLORATION ACTIVITY

The townships of Enjalran and Carheil have undergone comparatively little exploration for gold and base metals in the past.

Early exploration was hampered by the very minor extent of outcropping bedrock. Since the advent of airborne EM, the area has been flown with several systems but a formational, sedimentary character indicated by the long, multiple conductors has caused explorationists to downgrade potential for classical volcanogenic massive sulphide deposits.

4.1 Assessment Work

The following is a summary of previous mining work, particularly diamond-drilling, on and in the area of the property as gleaned from assessment files in the offices of the Ministere de l'Énergie et des Ressources, Rouyn, Quebec.

Drill holes and significant EM conductors have been compiled on Map 1 at rear, guided by the Quebec government Geoscientific Compilation Map for Enjalran and Carheil Townships.

Some of the following work was carried out off the present property area. Descriptions are, however, included here as we feel the results are pertinent in the context of further exploration on the Petromet/Baroque ground.

Noranda Exploration Co. Ltd. in 1978 drilled a 497 ft hole (Hole 2-78) on an HEM conductor near the Santoire River on the Lac Santoire claims. The hole is summarized as:

0-157	ft:	Overburden (@-55°)
157-453	ft:	Graphitic dacite (tuff?)
453-497	ft:	Fragmental dacite tuff

There were no values of any interest in Cu, Zn, Au, Ag in 5 sections assayed.

Dome Exploration (Canada) Ltd. in 1975-76 carried out a major program of ground EM surveying and diamond drilling on a 63 claim block straddling the Turgeon River in Enjalran Township, northeast of the Enjalran portion of the property.

Drilling was carried out on 6 EM zones from north to south, east of the Turgeon River as follows:

ZONE	HOLES	
A	1	(94B-3)
B	1	(94B-12)
C	5	(94B-0,2B,11,4,5)
D	1	(94B-1)
E	2	(94B-8,6)
F	2	(94B-9A,7)

Conductivity is due to variably graphitic, sulphidic-cherty iron formation and graphitic sediments/tuffs. All gold assays returned nil to trace values. Several of the holes had distinctly anomalous copper tenors. The best intersection was 1.25% Cu over 0.76 m (hole 94B-2B).

This same stratigraphy continues eastward onto the Baroque claims.

Of interest, most of the holes intersected variable amounts of quartz ± carbonate veining in the rocks.

Noranda Exploration Co. Ltd. in 1976 drilled a single hole on a long formational conductor directly to the northwest of the above Dome block (Hole ENJ-76-2; Map 1). The hole is summarized as follows:

0 - 60 ft: Overburden (@-55°)
60 - 318 ft: Basic-intermediate intrusives

318 - 450 ft: Intermediate volcanics with cherty tuff bands containing graphite and pyrite/pyrrhotite (particularly 364-394 ft.)

A hole drilled by Selco Exploration Co. Ltd. in 1959 on the south shore of Lac Lalonde on the adjoining New Ridge property on an EM conductor intersected a completely sedimentary environment (hole Victor 1 - greywacke, argillite) with the conductivity due to barren sulphide bands.

No assays are reported.

The Korich Mining Company Ltd. in 1960 drilled 8 holes on EM/magnetic features on a property straddling the Turgeon River to the south of the Enjalran group. Conductivity was due to black graphitic tuffs with a number of holes intersecting magnetite- bearing gabbro. Holes 6, 7 and 8 in particular, were mainly or entirely in diorite/gabbro and contained numerous quartz-sulphide veins.

No gold assays were reported.

Imperial Oil Ltd. in 1970 held a claim group west of the Theo River in Carheil Township as part of their Group C. Extensive Turam surveying was carried out but there is no record of any drilling. Imperial Oil also carried out Turam surveying on the Petromet/Baroque block at the north end of Lac Carheil. They located a strong, ENE-trending Turam anomaly here which they do not appear to have drill tested.

Inco Ltd. in 1971 drilled a single hole (#33297) west of the Turgeon River, southeast of Lac Ledieu to the north of the Enjalran property. The hole is summarized as follows:

0-148 ft: Overburden (0-50°)
148-328 ft: Greywacke and quartzite; mineralization is generally very weak. Conductivity is due to zones of graphite ± pyrite in the upper portion of the hole.

No assays are reported.

Mining Corporation Ltd. in 1965 drilled 2 holes (65-1,65-2) on EM conductors near the Santoire River in Carheil Township in the centre of the Petromet/Baroque main or Lac Santoire Carheil group.

Conductivity was due to zones of pyrite-pyrrhotite and graphite in intermediate-felsic volcanics. Minor chalcopyrite was noted, particularly in hole 65-2 where a 10 ft section is described as containing chalcopyrite-pyrrhotite stringers in dacitic fragmentals. Quartz stringers are described in massive rhyolite towards the bottom of hole 65-2.

These holes are located in what has turned out to be an area of interest based on results of the present work. In detail, it can be seen that hole 65-1 was drilled down-dip although it did transect a graphite conductor.

Hole 65-2 seems to have been drilled well off the east end of the ground EM anomaly as it is presently known. This hole cut some very interesting felsic geology with pyrrhotite-chalcopyrite as noted. An assay of 1.5% Cu is reported from the section from 315 to 325 ft in the hole although it is not clear from the log if this value represents the entire 10 ft or a selected portion thereof.

Selco Exploration Co. Ltd. in 1959, as part of a bigger project in the area, completed 4 drill holes on EM targets on a property straddling the Enjalran-Carheil Township line (holes JIG-1,2,5,6).

Conductivity in general was due to pyrite and pyrrhotite zones in volcanics. Traces of chalcopyrite were noted locally.

Of possible interest in a gold exploration context, intense carbonate alteration is described in "fine-grained greenstone" in hole JIG-1. Also, hole 5 contained 25 ft of "massive pyrite in silicified residual rock". Similar rocks are reported in hole 6.

No assays are reported.

Selco Exploration Co. Ltd. in 1958-59 completed 3 more holes, nos. 1,4,5 (of 5 attempted), just east of the Santoire River in the south portion of the main Enjalran block on ground EM targets in a continuation of the above-cited project.

Conductivty was due to pyrite-pyrrhotite ± graphite zones mainly in "altered andesites".

Of interest, hole 4, which was unsuccessful in testing their EM conductor 1, did intersect andesitic volcanics containing relatively abundant carbonate ± quartz veins. Hole 5 also reported quartz/carbonate stringers in altered andesite.

No assays are reported.

Selco also reported on another 3 holes in southeast Enjalran Township (JIG, 7, 8, 9 - Figure 3).

Of interest, "coarse blebs and veins of pyrrhotite in quartz veinlets" were reported from 82-97.5 ft in andesite in hole JIG-8.

Conductivity again appears to be due mainly to pyrite-pyrrhotite zones in volcanics with traces of chalcopyrite.

No assays are reported.

Area Mines Ltd. in 1962 drilled 2 holes on EM conductors midway between Lakes Enjalran and Freniere in southeast Enjalran Township (holes 44-1, 44-2), just off the south boundary of the Petromet/ Baroque property.

The holes are summarized as follows:

Hole 44-1

0-18 ft: Overburden (at -52°)
18-27 ft: Rhyolite
27-122 ft: Diabasic lava
122-270 ft: Rhyolite tuff and breccia with "strong py, minor po and cp from 119-200 and, from 234-270, graphite"
270-350 ft: Diabase

Hole 44-2

0-50 ft: Overburden (at -52°)
50-100 ft: Rhyolite,rhyolite tuff; minor py,po,graphite
100-135 ft: Greenstone
135-142 ft: Massive pyrrhotite
142-360 ft: Rhyolite/greenstone ± py,po,gf

This felsic setting is of exploration interest, particularly in a base metals context.

No assays are reported.

Noranda Exploration Co.Ltd. in 1964-65 drilled 2 short holes (TE-2, 3) immediately east of the Turgeon River on the property that was later tested by Dome as described above.

In particular, in hole TE-2, pyrite/pyrrhotite and minor chalcopyrite and spahlerite in rhyolite are recorded.

No assays are reported.

Selco Mining Corp. Ltd. in 1973, carried out magnetic and EM surveys and drilled a single hole on an EM-magnetic target immediately west of Lac Jodin, 0.75 km east of the main Carheil block.

The hole (D-1-1) is summarized:

0-122 ft: Overburden (at -45°)
122-323 ft: Interbedded argillite and sandstone

The conductive-magnetic responses were due to scattered bands of pyrrhotite ± graphite and pyrite in the sediments.

It does not appear that there were any gold assays carried out. Zinc values to 0.30% were recorded.

Serem Ltee in 1978 drilled 3 holes on EM targets on a property tied onto the north boundary of the Lac Carheil block (Holes 78-LAB-1, 2, 3). Serem still retain the property.

The holes, 400-600 ft in length, intersected abundant graphite, pyrite and pyrrhotite in intermediate-mafic volcanics. Some quartz veining is mentioned. Extensive rock geochemistry showed no precious metals values of economic significance although intersections of up to 0.47% Zn/3.05 m (hole 78-2) and 0.34% Zn/2.04 m (hole 78-1) were recorded.

Abitibi-Price Mineral Resources Ltd. in 1984 carried out a major program of ground geophysical surveying and diamond drilling (13 holes) on a land package which included all of the present Carheil Township claims. A total of 7 of these holes was drilled on the Petromet/Baroque Carheil lands.

All EM conductors of interest were explained by the drilling. All of the holes intersected mafic volcanics with conductive zones consisting of graphite and/or graphite ± pyrite-pyrrhotite rich interflow sediments. No ore grade concentrations of base or precious metals were found although anomalous values in the 0.01 to 0.03 oz gold per ton range were encountered in several holes.

Drill results are summarized by Abitibi-Price as follows:

D.D.H.	Depth	Comments
DL 84-1	117.95 m	Mafic volcanics with conductive zones of graphitic interflow sediments with up to 10% py-po and traces cpy. Best assay 0.005 oz/ton Au over 1.25 meters.
DL 84-2	115.82 m	Mafic volcanics with conductive zone of graphitic interflow sediment with 10-25% py-po and traces cpy. Traces Au only.
DL 84-3	107.28 m	Mafic volcanics with conductive zone of graphitic sediment with 10-25% py. Best assay 0.01 oz/ton Au over 0.61 metres.
DL 84-4	120.69 m	Mafic volcanics with conductive zone of graphitic interflow sediment with 5-20% py. Some magnetite-chert iron formation underlying conductive zone. Best assay 0.02 oz/ton Au over 1.34 metres.

D.D.H.	Depth	Comments
DL 84-5	122.22 m	Silicified mafic volcanic with conductive zone of graphitic interflow sediment with 5-15% py-po and traces cpy. Best assay 0.005 oz/ton Au over several sections.
DL 84-6	152.39 m	Mafic pillow lava to massive flows with abundant thin zones of inter-pillow calcite-chert-py-po. Traces cpy. Traces Au only. Conductor not satisfactorily explained.
DL 84-7	121 m	Silicified mafic volcanic, partly pillowed, with conductive zone of graphitic interflow sediment with 10-20% py. Minor iron formation. Best assay 0.005 oz/ton Au over several sections.
DL 84-8	105.76 m	Massive gabbroic intrusive with conductive zone of graphitic sediments with up to 50% py and traces sphalerite. Best assay 0.005 oz/ton Au over 3.05 metres.
DL 84-9	91.44 m	Mafic volcanic with frequent bands of magnetite-chert iron formation. Conductive zone of graphitic shale with 20-25% po-py. Best assay 0.01 oz/ton Au over 1.99 m.

D.D.H.	Depth	Comments
DL 84-10	106.67 m	Mafic volcanic with frequent bands of chert-magnetite iron formation. Conductive zone of graphitic interflow sediments with 5-10% po. Best assays 0.02 and 0.03 oz/ton over 1.52 and 1.46 metres respectively.
DL 84-11	90.83 m	Gabbro and mafic volcanic with conductive zone of graphitic sediments and fault zone with 15-25% py. Traces Au only.
DL 84-12	84.73 m	Same conductor as DL 84-6. Mafic pillow lava. Conductive zone caused by abundant thin po-py-chert-calcite inter-pillow zones (maximum 0.64 m of 70% py). Traces cpy. Best assay 0.01 oz/ton Au over 1.53 metres.
DL 84-13	106.67 m	Mafic volcanic with conductive zone of graphitic interflow sediments with 20-30% py-po. Best assay 0.005 oz/ton Au over several zones.

4.2 INPUT Survey

A key facet of the existing exploration data base in the region is the airborne geophysical surveys (Mark VI INPUT and magnetics) flown by Questor Surveys for the Quebec government and released in 1973-1974. Results of these surveys in the property area have previously been presented to the Joint Venture.

There are a large number of INPUT anomalies on the properties. These generally represent portions of major regional conductive zones which extend considerably further to the east and west beyond the property boundaries. An exception is the more discrete zone at the north end of Lac Carheil drilled by Abitibi-Price. The long INPUT conductors are generally interpreted to be reflective of graphitic and sulphidic interflow sedimentary zones in light of previous drill results.

Linear magnetic highs spatially associated with the INPUT zones are interpreted to represent oxide iron formations. Note that the INPUT conductors do not correlate exactly with the magnetic anomalies indicating geologically different sources in most cases.

4.3 Geochemical Surveys

The Quebec government released in 1983 the results of a regional soil sampling program covering 6,000 sq km in this section of the Abitibi (Pedogeochimie de la Region de Brouillon, M. Baumier, Report DP-83-10, Ministere de l'Energie et des Ressources, Quebec). Samples were taken of surficial humic materials at a density of 1 per 2.5 sq km and were analyzed for Cu, Zn, Pb, Ni, Co, Mn, V, Mo, Hg, As and L.O.I.

There are some weakly to moderately anomalous values in Zn, As and Cu on the three Carheil Township blocks.

5.0 GEOLOGY AND MINERAL DEPOSITS: DETOUR-MATAGAMI SECTOR, ABITIBI GREENSTONE BELT

5.1 Regional Geology

The Petromet/Baroque holdings lie within the northern portion of the Abitibi Greenstone Belt as indicated in Figure 3. The Abitibi is the largest and most productive of several east-west trending metavolcanic-metasedimentary belts within the Superior Structural Province of the Canadian Shield. These supracrustal rocks are dominantly of Archean age, generally greater than 2 billion years B.P.

The general area of interest is a rectangular zone 200 km long by 125 km wide bounded approximately by the Detour mine in the northwest, the Burntbush area in the southwest, the Joutel area in the southeast and the Matagami area in the northeast.

The area is generally flat and monotonous with extensive black spruce swamp and muskeg cover. Outcrop exposure is typically 1% or less so that the geology is very imperfectly known. A further corollary of this is that additional undiscovered major deposits likely exist beneath overburden in the region.

Mafic metavolcanics are interpreted to be the predominant lithology. Scattered throughout this mafic "sea" are several centers of felsic volcanism such as in the Matagami area and around the Selbaie Mine. However, extensive assessment research indicates that there are far more felsic rocks in this region than presently recognized. This is very important from an exploration viewpoint in that massive sulphide gold-base metal deposits are typically hosted by felsic volcanics.

Intercalated with the mafic rocks are regional sedimentary-tuffaceous units with abundant graphite, argillite, sulphides and oxide iron formation. These units typically appear as zones of airborne

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EM conductors which may extend for tens of km across country. As such, they provide valuable stratigraphic marker horizons. This sedimentary-tuffaceous setting can also be a fertile one for mineral deposits. Inco's Casa Berardi gold deposit is in such a setting as is the Agnico-Eagle Mine.

Intruding all of these rocks are various intermediate to felsic plutons, some of which may be broadly coeval with volcanism, i.e. synvolcanic, and hence of interest from an exploration viewpoint.

5.2 Mineral Deposits

After the Republic of South Africa's Witwatersrand, which produced some 1,114 million ounces of gold between 1884 and 1978, the greatest gold mining area of the western world is Canada's Abitibi belt. Composed mainly of Archean volcanic and sedimentary rocks, the Abitibi has produced more than 133 million ounces of gold between 1906 and 1981.

Several major gold and base metal deposits are present in the general region. The characteristics of some of these deposits, pertinent to further exploration in the region, are described below:

(a) Detour Mine - Ontario

The Detour gold (± copper) deposit, located 30 km northwest of the present property, was discovered in 1974 by Amoco Canada Petroleum Company Ltd. during a geophysically oriented search for base metal massive sulphide deposits. The original drill target was a strong electromagnetic conductor with a directly coincident magnetic high. These geophysical responses are now known to relate primarily to the cherty sulphide (pyrite, pyrrhotite ± chalcopyrite) iron formation which hosts much of the gold ore.

Present reserves are quoted at approximately 10.9 million tons averaging approximately 0.128 oz Au per ton and 0.15% Cu. These reserves extend to the 1,800 foot level and the deposit is completely open to depth. The mine went into official production on November 4, 1983 at a rate of 2,500 tons per day. Initial production was by open pit although operations are currently suspended due to a lower than expected gold grade and weak gold prices. Shaft sinking is currently underway to determine the economic feasibility of the underground mining of the deposit.

The "main zone" of gold mineralization at Detour is essentially an auriferous quartz fracture zone centered on a cherty tuff unit (or a silicified shear zone via a very recent re-interpretation) and extending into the immediately overlying basalts. Gold values also extend beneath the cherty tuff into underlying altered ultramafics. The overall mineralized zone plunges 45 degrees west.

The main zone is generally 20 to 40 feet in width and consists of a system of narrow quartz veins which contain 10 to 15% pyrrhotite, 0.5 to 1% chalcopyrite and 1 to 5% pyrite within the veins and selvages.

Four gold zones are found in the hangingwall basalts above the main zone and are referred to as the quartz-vein zones. The mineralization is similar to the main zone in that the gold occurs within quartz veins with associated pyrrhotite and chalcopyrite with biotite selvages. Most of the quartz vein zones are interpreted to occur in structures that parallel the main zone.

There are several zones of mineralization in underlying talc-carbonate rocks. In these zones, the gold occurs as blebs and specks in close association with pyrrhotite and chalcopyrite.

Quartz veins are occasionally present but are not essential for the presence of gold.

The Detour ore body occurs at a local, gentle anticlinal warp on the north limb of the Detour anticlinal fold, the axis of which is located well south of the mine. The plunge of the ore is exactly that of the fold and appears to occupy a fracture zone which is axial planar to the subsidiary warp. It is therefore suggested that there is a very strong structural influence at Detour in addition to the obvious stratigraphic control.

(b) Selbaie Mine - Brouillan Township

The Selbaie zinc-copper (± gold, silver) mine is located 30 km east of the present property and was discovered in 1974 by a Selco Exploration - Pickands Mather joint venture. The deposit was discovered by diamond drilling of a very weak horizontal loop EM anomaly in follow-up to an airborne EM survey. Production began in mid-1981 at 1,500 metric tonnes per day (B-Zone). The mine is currently undergoing a major expansion, funded in part by the Quebec government.

The Selbaie deposit occurs within acid pyroclastic and volcaniclastic rocks which form part of the Matagami section of the Archean Abitibi orogenic belt.

Ore reserves in the B Zone at December, 1982 consisted of 2.83 million tonnes averaging 3.5% Cu, 0.7% Zn, 33 g Ag, 1.2 g Au per metric tonne. Reserve figures quoted for the A-2 Zone (1978) were 5 million tons in grading 2.02% Cu, 1.33% Zn, 0.36 oz Ag and 0.036 oz Au per ton.

This base metal deposit is somewhat atypical in that it consists mainly of epigenetic quartz-carbonate-base metal vein systems resulting from hydrothermal activity related to late stages of acid volcanism rather than the standard massive sulphides emplaced in syngenetic fashion.

The host rocks consist of rhyolitic tuffs and breccias, bedded chert-pyrite and volcaniclastic debris. An overlying quartz porphyry unit, which is weakly mineralized, may have acted as an impermeable cap rock during the mineralization event.

Veining and minor replacement occur in preferred but variable steeply dipping fracture/fault systems. The vein systems (Zones A-1 and A-2) are concentrated within subhorizontal, permeable rhyolitic units.

Principal hypogene minerals are pyrite, sphalerite and chalcopyrite. Galena, tetrahedrite, polybasite, and native silver occur in minor amounts together with native gold. Supergene chalcocite, digenite, covellite, bornite and native copper occur as fracture fillings and replacement rims around hypogene sulphides.

Important characteristics of the Selbaie deposit include the relatively weak nature of the related EM target and the epigenetic nature of the mineralization as compared to the classical stratiform massive sulphide model.

(c) Agnico-Eagle Mine, Joutel Township

Located near Joutel, some 70 km southeast of the property, this gold mine has produced 610,000 ounces of gold from 3,300,000 tons of ore from 1974 to 1984. Reserves at December 31, 1984 were 1,401,592 tons of 0.203 oz gold per ton. Barnet et al. (1982) report on the deposit as follows:

"Investigations leading to the discovery of the deposit began in February, 1962 during early exploration of the Joutel-Poirier district for base metal sulphide deposits. Ground geophysical surveys outlined coincident magnetic and electromagnetic anomalies which were tested by diamond drilling in late spring of the same year. Exploration continued, and by 1967 it was apparent that a potentially mineable deposit of auriferous pyrite existed, and underground development was initiated. Regular and substained production began in 1974.

Unlike most Archean gold deposits, Agnico-Eagle has many similarities to massive base metal sulphide deposits, suggesting a common volcanogenic origin. The gold is contained within the sulphide facies of a stratabound to stratiform carbonate-sulphide-silicate-oxide facies iron formation which immediately overlies a sequence of partially welded felsic tuff and lapilli tuff. A carbonaceous schist containing pyrite bands and nodules occur immediately overlying the ore zone.

The ore-bearing sequence is distinctly zoned with an outward change from an iron silicate facies exhalite at the center of the ore body to iron carbonate facies exhalite. Although chalcopyrite and sphalerite are present only in accessory quantities, analytical data indicates that copper and zinc exhibit both lateral and vertical zonation. The only important ore mineral is native gold with a fineness of approximately 830. The gold occurs as microscopic-size inclusions and veinlets in and around pyrite in the carbonate facies exhalite, and pyrite and pyrrhotite in the silicate facies exhalite. It is proposed that like many massive base metal sulphide bodies, the Agnico-Eagle deposit formed by volcanogenic and exhalative process."

A key observation concerning the Agnico-Eagle mine is that it is essentially a massive pyrite deposit which carries economic gold values. This deposit is reminiscent of the Horne Mine in Noranda which, although generally thought of as a base metal mine (mainly copper), is a massive sulphide gold deposit which produced 11 million ounces of gold from 58 million tons of ore.

Any pyrite ± pyrrhotite zone in this region should therefore be thoroughly evaluated for its gold potential. It is our finding that many such zones have not been assayed for gold in the past.

(d) The Golden Pond Gold Deposits, Casa Berardi Township

Four separate gold deposits are now indicated on the Golden Pond property located 20 km south of the present property. Estimated reserves at the Golden Pond and Golden Pond East deposits currently total some 6.3 million tons of 0.255 oz gold per ton with approximately equivalent tonnages in both zones.

The initial discovery was made by INCO in 1981 by diamond drilling of a ground electromagnetic-magnetic anomaly. The initial discovery hole was drilled on what is now known to be a small satellitic zone to the south of the main Golden Pond deposit. Three holes drilled as follow-up to the discovery hole were blanks. It was only by continued drilling of targets in the immediate area that the Golden Pond deposit was eventually discovered.

Golden Knight Resources Inc. of Vancouver subsequently farmed into the entire 882 claim property to earn a 40% interest in the property by spending $3,000,000 on exploration with INCO remaining as operator.

The property lies on the south limb of a regional synclinorium and straddles the contact between a lower sequence of volcanics and an overlying thick sedimentary pile. The contact generally trends E-W and dips almost vertically.

The geology of the property has been differentiated into various units using regional iron formations and graphitic horizons as marker horizons. The main rock units from stratigraphic top to bottom are given below:

Unit	Description
3	Clastic sediments, mostly sandstone, siltstone.
2e	Upper banded iron formation, ferruginous sediments.
2d	Golden Pond pyroclastic unit, agglomerate, lapilli tuff, tuffaceous sediments (ore-bearing).
2a	Volcaniclastic conglomerates.
1	Lower iron formation, magnetite, ferruginous sediments, clastic sediments.

Both geological and geophysical data clearly show that the Golden Pond gold-bearing zone lies within a major east-west trending conductive zone and an overlying complex pyroclastic unit. The conductive unit is traced without ambiguity west to the Turgeon River for a strike length of 20 km. At this point, the conductive unit bifurcates and correlation is less certain.

It should be noted that there appears to be a major zone of east-west faulting, shearing and alteration, designated the "Casa Berardi Break", which extends through the deposit area and which may have played a role in ore localization.

In detail, the geology of the Golden Pond area, based on drilling to November 1983, can conveniently be considered in terms of a sequence of four mini-cycles. The cycles (from south to north) are briefly described as follows:

The base of cycle I consists of a thick polymictic volcaniclastic conglomerate. Clasts of pyritic grey chert and white bedded chert are characteristic. The basal unit is overlain by graphitic mudstone-siltstone which is capped by a discontinuous lens of bedded sulphide facies (chert-pyrite) iron formation. Cycle I hosts three distinct types of gold occurrences described below:

1. A weak but continuous gold zone that straddles the contact between the polymictic conglomerate and graphitic sediments.
2. A high-grade quartz-tourmaline-arsenopyrite-pyrite zone in mudstone-siltstone containing visible gold.
3. Disseminated auriferous arsenopyrite in the pyrite-chert exhalite.

The base of Cycle II consist of a variety of dacitic volcanic and volcaniclastic rock with intraformational conglomerates. The bulk of the cycle consists of a very thick sequence of turbidite greywacke, sandstone, siltstone, mudstone, containing nodular pyrite graphite and chert. Variable quantities of intermediate to felsic volcaniclastic material are associated with one or more apparently transgressive, carbonate-sericite alteration zones which cut diagonally across the units. The alteration is intense and pervasive and may represent fossil hydrothermal conduits.

Ore grade mineralization in Cycle II is associated with the alteration and is also associated with graphite-pyrite-chert-arsenopyrite zones at the top of the cycle.

Cycle III is dominantly pyroclastic. The cycle begins with a thin, somewhat discontinuous, lapilli-tuff horizon overlain by a thick, felsic agglomerate unit. The agglomerate is overlain by a mixed sequence of lapilli-to-ash tuffs, green chloritic mudstone, cherts and a thin dacitic flow (?). The cycle ends with a magnetite quartz-chlorite-carbonate-pyrite iron formation.

Gold mineralization in Cycle III has been located on both the south and north contacts of the agglomerate unit and in one thin bed of pyritic iron formation.

Cycle IV is imperfectly defined and consists of well-bedded calcareous sandstone-mudstone.

Some of the best gold mineralization found so far is in the central and western part of the Golden Pond area. Values higher than 0.15 ounces gold per ton over 10 feet were intersected by 16 out of 22 holes along a strike length of 720 meters (2,360 feet). Most of the holes in this sector returned two or more sections of economic interest.

An on-going, aggressive exploration effort has subsequently resulted in the discovery and partial delineation of the Golden Pond East deposit and more recently, the Golden Pond West zone.

The significance of the Golden Pond East zone is emphasized by an article in the Northern Miner (December 13, 1984) which notes that:

> "Hole 71747 returned an impressive 44.2 ft. grading 0.78 oz gold per ton from 693.5-737.7 ft. This section included 19.3 ft. grading 1.27 oz. gold per ton."

A multi-million dollar underground evaluation program on the Golden Pond East zone has recently been completed and results are currently being assessed.

The January 13, 1986 issue of the Miner also released details of an initial hole into what may be another discovery in the Golden Pond West area, a hole impressive by any standards. The hole contained three separate intersections as follows: 66.3 feet of 0.41 oz Au/ton; 47.6 feet of 0.1 oz Au/ton and 19.8 feet 0.46 oz Au/ton.

Key points at Golden Pond in our opinion include the crosscutting, quartz-sulphide vein nature of the mineralization, its occurrence within a regional INPUT-magnetic zone reflective of sulphide-graphite-oxide iron formation. The abundance of arsenopyrite in the deposit indicates that arsenic may be a very useful pathfinder element in this region.

(e) The Estrades Deposit, Estrades Township

The Estrades deposit, located 30 km southeast of the present property, was discovered by the Golden Hope-Teck Corporation joint venture in late 1985. The deposit occurs in an Archean clastic sedimentary and felsic volcaniclastic sequence (locally graphitic and pyritic) with interbedded mafic to intermediate volcanic flows and associated pyroclastics. The discovery would appear to be in the same broad regional stratigraphic package which contains the Golden Pond deposits and possibly the Agnico-Eagle mine.

Information from drilling to-date suggests a steeply dipping, tabular massive sulphide deposit striking east-west. The discovery hole, spotted approximately 400 ft south of the north Golden Hope boundary cut a 35.1 ft section grading 0.2 oz gold per ton and 9.15 oz silver with high copper and zinc values (Northern Miner, December 2, 1985).

Drilling is being concentrated on two weakly conductive zones which probably represent a common horizon. The western part of the conductor has a strike component of more than 600 meters, while the eastern part extends for approximately 1,100 meters. Both are separated by a narrow gap occupied by a magnetic high which appears to represent a cross-cutting diabase dyke emplaced along a fault.

Thin section studies of the first core are indicated to reveal a quartz-sericite schist in the hangingwall and a volcaniclastic sediment comprising the footwall. These horizons form a thin but persistent unit in an environment generally characterized by mafic to intermediate volcanics.

Of importance to other exploration in this area in the fact that Teck drilled an extremely weak, albeit discrete, airborne conductor. A similarity to the Selbaie discovery is suggested in this regard.

Recently released figures based on extensive drilling indicate 2.4 million tonnes at 0.14 oz Au/T, 3.5 oz Ag/T, 0.84% Cu and 7.7% Zn (Northern Miner, June 6/86). The gold values are particularly noteworthy.

5.3 Exploration Models

From the foregoing deposit descriptions, the probable types of gold or gold/base metal deposits which can be expected in the area and which serve as models to guide exploration are:

(a) stratiform/stratabound deposits ± sulphides, quartz vein zones, graphite, oxide iron formation in mafic volcanic environments (Detour mine) or in felsic volcaniclastic-tuffaceous-sedimentary environments near volcanic contacts (Golden Pond).

(b) massive and stringer sulphide gold deposits without base metals (Agnico-Eagle mine) or with base metals (Selbaie mine and Estrades deposit) in a generally felsic volcanic-sedimentary environment.

The following models are also considered prospective in the area:

(c) Structurally-controlled, intrusive-associated, quartz stockwork types of deposit localized along the margins of or within intermediate to felsic plutons. Such deposits are well represented in the Val d'Or area to the southwest.

(d) Disseminated gold deposits associated with carbonated, pyritic mafic volcanics. Such deposits are important sources of gold ore elsewhere in the Abitibi, noteably, in the Timmins area (Owl Creek mine, Dome mine).

5.4 Local Geology

The Enjalran and Lac Santoire claim blocks encompass portions of two broad, west-northwest trending bands of airborne magnetic and EM anomalies representing sedimentary/tuffaceous horizons with multiple graphitic-sulphidic units and chert-magnetite-sulphide iron formations.

Synclinal axes have been established by MPH and Quebec government mapping in the centre of both of these broad bands and it is presently interpreted that these bands may be stratigraphically equivalent. Between the two properties, a large granite batholith as outlined by airborne geophysics truncates these long regional west-northwest trends of magnetic and electromagnetic anomalies.

The geology of the Enjalran Township claim group is dominated by a band of pelites and wackes in the northern portion of the property as defined by overburden drilling and subsequent petrography. Flanking this unit on at least one side and contained within it are graphitic, sulphidic iron formation units.

The southern portion of the property is occupied by an ultramafic to mafic intrusive body which appears to be intrusive into the southern limb of the syncline.

The central axial zone is composed of mafic to possibly ultramafic volcanics with several shorter EM conductors which have been interpreted from reverse circulation drilling to be due to sulphide lenses containing pyrite and pyrrhotite with some sericite alteration and quartz veining.

The Lac Santoire claim block is similar to the Enjalran claims in geological character. The property is composed of a sequence of intermediate-mafic and possibly ultramafic volcanic rocks and interflow sediments trending roughly 120°. A number of conductors outlined by ground geophysics are shown by reverse circulation and past diamond drilling to represent graphitic and sulphidic sedimentary horizons. Locally, metamorphism is of amphibolite facies. Reverse circulation bedrock samples returned quantities of shalerite, chalcopyrite, pyrite and pyrrhotite in several holes (e.g. hole 35).

The mafic volcanics are known from geologic mapping in the area to consist of alternating units of massive and pillowed flows. Locally, the pillowed mafic volcanics are silicified and sulphides, predominantly pyrite, selectively occupy pillow selvages and interstices.

A major NE-trending shear zone south of Lac Lacoutre offsets some of the conductors such that the main conductor trend sweeps more southerly in the shear zone and then flattens out again to the east.

A magnetic low and the absence of INPUT anomalies in the north portion of the property is presumed to represent a monotonous mafic to intermediate flow sequence. The area to the south is again interpreted to be underlain by intermediate to mafic flows.

The 30 claim Theo River block encompasses a sequence of mafic to intermediate volcanic rocks containing a series of west-northwest trending chert-magnetite iron formations and graphitic-pyritic sediments.

5.5 Regional Glacial Geology

Glacial landforms and striae in the area suggest that two lobes of the Laurentide ice sheet coalesced in the Joutel area to the southeast during the late Wisconsinan. A younger Hudson advance from the northwest appears to have collided with a retreating Nouveau Quebec lobe from the north-northeast. The so called "Mattagami esker" which passes to the east of the present property is now recognized as an interlobe moraine which marks the broad area of coalescence. This north trending feature is of regional proportions and extends for some 100 km or more.

Till deposits of the older advance (Lower Till) from the north-northeast are well preserved in bedrock depressions beneath younger deposits (Matheson Till or Upper Till) from the north-northwest glaciation. This is an important consideration in that bedrock depressions in this area are often the locus of shearing, mineralization and alteration.

The presence of a number of even older pre-Wisconsinan tills has been alluded to by workers in the region although their origin and distribution remains uncertain.

In many cases two complete glacial sections consisting of upper sediments (usually lacustrine clays) with underlying clastic sections are present. It is of course absolutely essential to be able to differentiate between the tills of the two glaciations. The one key distinguishing factor of the Upper Till is the presence of limestone clasts derived from the Paleozoic terrain of the Hudson Bay Lowlands.

It is also our experience in some parts of this area that the earlier advance was a particularly erosive one which formed well defined dispersion trains, while the younger glaciation was characterized by ice that was often not in contact with bedrock and did little more than disrupt existing patterns.

The Cochrane Till, a clay-rich till which incorporated and overlies upper lacustrine clays, was formed by a late re-advance from the north-northwest. Cochrane tills are generally restricted to the northwest portion of the Casa Berardi-Selbaie area, including the present property.

6.0 THE REVERSE CIRCULATION DRILLING METHOD

6.1 General

Overburden or reverse circulation drilling consists of drilling through the overburden section with dual-tube rods and a tricone bit using a water-air mixture as drill fluid. The resultant slurry is visually monitored, collected, sampled and then is usually processed to obtain a heavy minerals concentrate. This concentrate is then analysed optically and geochemically to detect ore or indicator particles. The optical examination is particularly important in gold work where the size and shape of gold grains may be highly diagnostic of the distance to the bedrock gold source and even the nature of the source.

The method is based on the principle that there are dispersion trains created in till during glacial over-riding which can be detected and followed back up-ice to the bedrock source area. The use of heavy mineral concentrates greatly enhances anomalous metals concentrations making the method extremely sensitive to distant deposits.

One of the most important applications of the method is in the detailed follow-up to airborne and/or ground geophysical surveys and evaluations along favourable geological trends.

6.2 Glacial Sediments and Dispersion Trains

Approximately 97% of Canada's land surface was glaciated during the Quaternary. Figures 4 and 5 summarize the environments of glacial deposition, the types of glacial sediments and associated land forms.

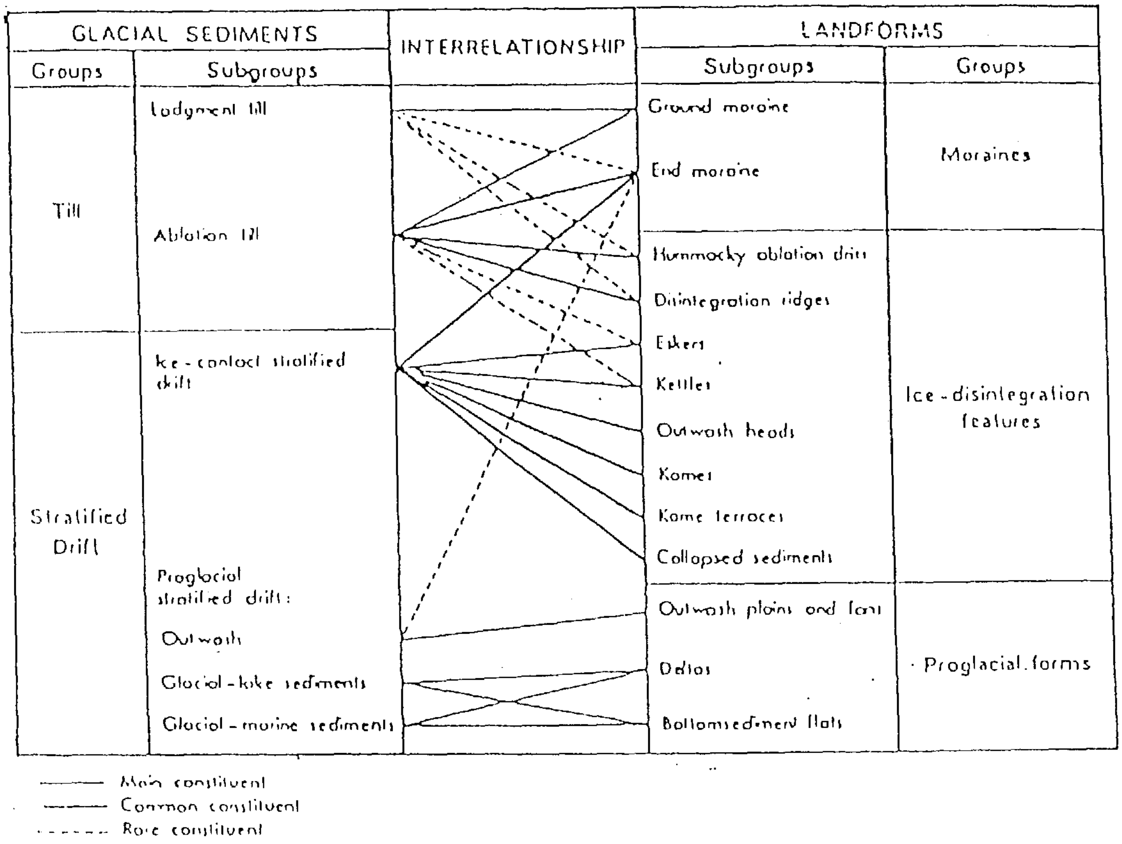


Figure 4: Relationship between glacial sediments and land forms.

Lodgement till is the most favourable drift exploration medium because in general, the source of clasts in the till will be directly up-ice. In till, the concentration of ore clasts usually shows a sharp peak at or near the source followed by a rapid then gradual, i.e. approximately exponential, decline in the down-ice direction. The size, shape and continuity (and therefore detectability) of a dispersion train will depend on many factors. These include size and composition of source, bedrock topography, vigour of glacial quarrying and abrasion, etc. Boulders closest to source will be larger and more angular. Down-ice comminution leads to a decrease in average clast size and increase in sphericity.

There is a recognizable indicator train almost 10 miles long down-ice from the George Lake Zn deposit in northern Saskatchewan. In the Noranda area, anomalous Cu-Zn values have been recorded in till up to 1 mile down-ice from the Horne deposit while geochemical anomalies in till are restricted to within 1,000 ft. of the nearby West Macdonald low grade Zn deposit. A dispersion train appears to extend for over 6 miles down-ice from the Kidd Creek Mine near Timmins based on a 1970-71 G.S.C. overburden drilling program. The above program also showed that the separation between anomalous lenses in till and bedrock increases down-ice from the Kam-Kotia deposit near Timmins. This is interpreted as representing relict shear planes in the glacier in lateral and down-ice extent.

In gold exploration, detectable dispersion trains may be poorly developed and may be very limited. This is due to a number of reasons chief among which are local bedrock topography, orientation of mineralized source relative to ice direction and relative erodability of source. Trains may be very narrow and have a distinct pencil-like form, e.g. Dome Mine near Timmins and the Komis deposit in Saskatchewan; this effect is usually a reflection of source orientation/topographic constraints.

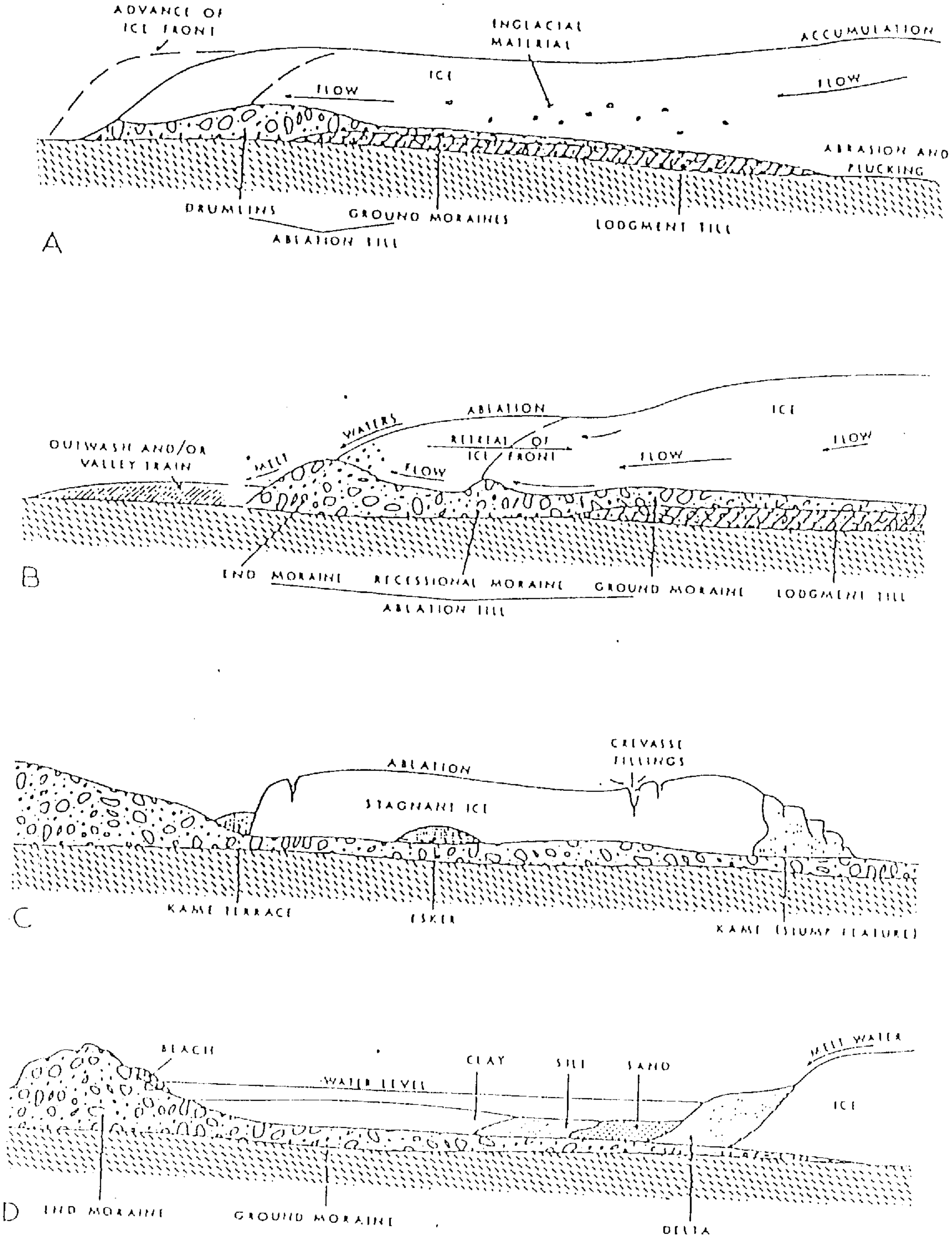


Figure 5: Glacial sediment and landform deposition relative to ice front.

The effect of bedrock topography on down-ice glacial dispersion can be profound. At the Golden Pond deposit, for example, the recognizable gold train seems to be no more than 200 m long in the down-ice direction and is closely contained within Lower Tills within a local east-west valley. At the nearly Golden Hope Estrades deposit, a bedrock ridge immediately down-ice from the deposit has completely blocked the formation of any significant dispersion fans.

When in very close proximity to the source, anomalous values are generally concentrated in the basal part of the till sheet so that this area of the overburden column is of prime importance during sampling. Spectacular sulphide concentrations may occur down-ice from a sulphide deposit. In such cases, it is not necessary to await geochemical analyses. Additional overburden drilling can progress directly on the visual results.

The stratified varieties of drift, i.e. bedded gravels, sands, silts and clays, are a less favourable sampling medium because the fluvial re-working inherent in their formation may make it difficult or impossible to identify the bedrock source area. Placer-like concentrations, in which normal background values are upgraded, may develop during the meltwater re-working of glacial debris. This often produces spurious anomalies in an overburden drilling program.

Varved lake clays representing rock flour washed out of glacial drift and deposited in proglacial lakes are virtually useless in minerals exploration (to date) and are not sampled during the drilling process. Analyses on varved clays over the Kidd Creek and South Bay polymetallic massive sulphide orebodies, for example, show no signs of the immediately underlying mineralization.

During drilling, the clays serve the useful purpose of sealing the hole resulting in good sample return. Also, sulphide minerals survive well in the reducing environment beneath the clay cap. Oxidation and leaching of sulphides can be a problem in some exposed tills.

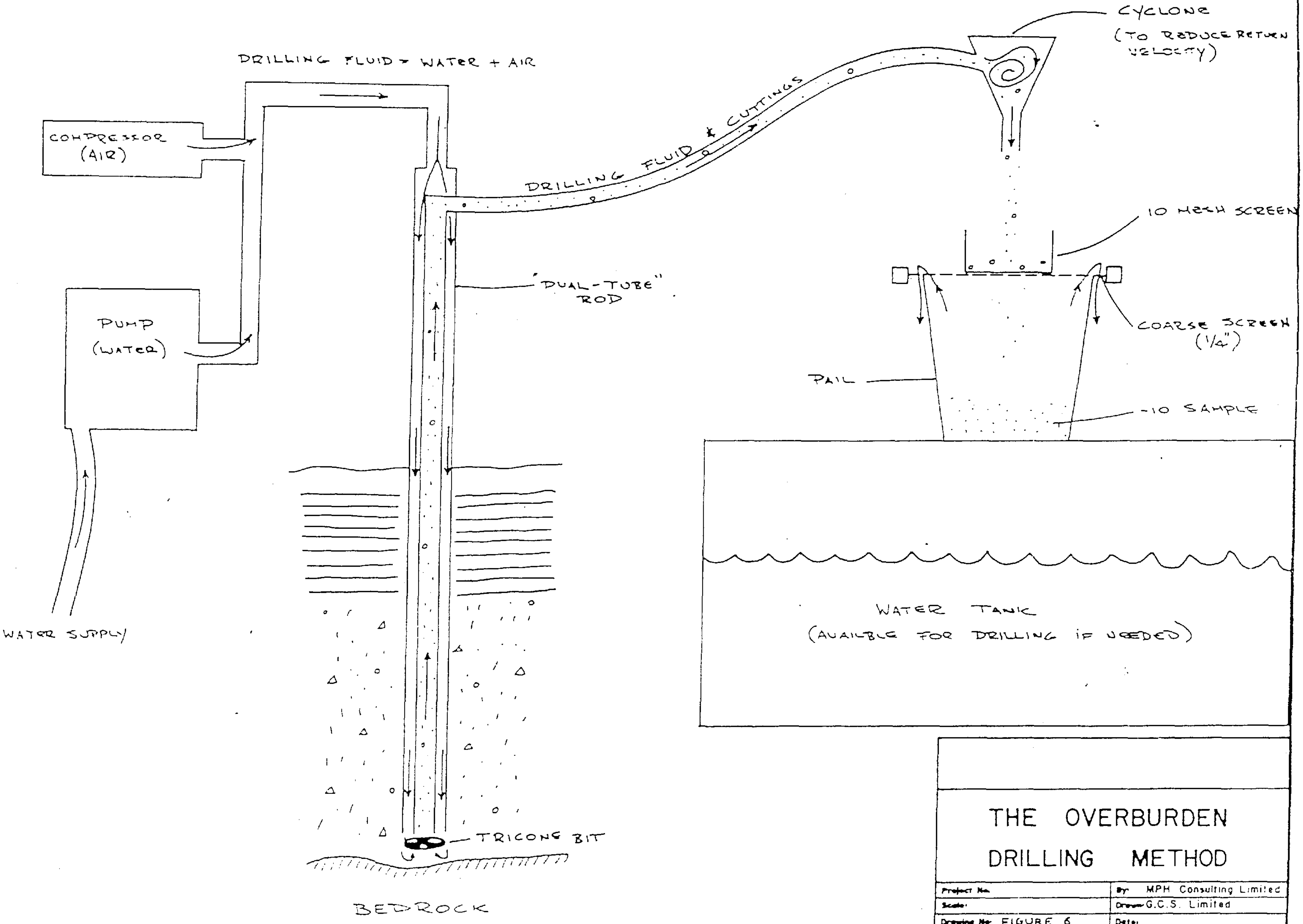
6.3 Drilling and Sampling

The reverse ciculation method uses an approximately 3 inch O.D. dual-tube drill pipe. The drill fluid consisting of water and air is pumped down between the inner and outer tubes, past the drill bit and back up the inner tube with the cuttings which are then collected and sampled. The return water overflows the sampling pail and is collected in the underlying tank. This water may then be re-used as drilling fluid or water may be pumped or hauled from some external source.

The drill and accessory equipment such as pumps and compressors may weigh 30 tons or more. These are generally mounted either on the back of a large tracked carrier such as a Nodwell or on skids so that it can be towed from drill site to drill site by a medium-sized tractor. A permanent or removable drillshack erected around the drill protects drillers and geologists from the elements and allows for year-round operation (24 hours per day if desired).

Figure 6 illustrates the drilling-sampling procedure.

Three drillers are normally required to carry out the drilling, haul water if necessary, make roads, repairs, etc. A geologist and an assistant are also present. The geologist logs the overburden section by "feeling" the return and monitoring the material collecting on a 10 mesh screen. The helper bags samples and generally assists the geologist.



THE OVERBURDEN DRILLING METHOD

Project No.	By: MPH Consulting Limited
Scale:	Drawn: G.C.S. Limited
Drawing No: FIGURE 6	Date:

MPH Consulting Limited

Figure 6

Although it will emerge in the geochemical results, the visual monitoring in the field, however, is very important since the recognition of an ore clast during the drilling allows the geologist to modify/extend the program while the drill is in the immediate area.

The return is normally sampled at 5 ft intervals or at major sedimentological boundaries. The bulk of the +10 mesh material is discarded after inspection during the drilling as is the return from most boulders. An overburden hole is usually continued 2-5 ft or more into bedrock to try and ensure that the bit is not in a boulder. A five foot run normally yields about 15 lbs (6.8 kg) of -10 mesh material.

6.4 Sample Processing and the Heavy Minerals Concentrate

At the processing laboratory, a standard approach would be to first wet screen the field samples at 10 mesh. The -10 mesh material is then passed across a shaking or concentrating table to produce a heavy minerals preconcentrate. Any grains of native gold present in the samples, other than extremely fine material, will ideally be seen on the table and recorded by the laboratory technician during this operation. Samples containing gold grains are then subjected to a careful panning operation in which the gold grains are isolated for microscopic inspection, measurement and micro-photography if desired.

Some operators, such as Overburden Drilling Management Ltd. of Ottawa classify gold grains as being abraded, "irregular" or "delicate". These shapes are felt to be generally indicative of transport distance with delicate grains being closest to source, perhaps a few tens of metres, with highly abraded grains having travelled much longer distances on the order of a kilometer or more.

Figure 7 illustrates these grain shape parameters.

The table preconcentrates are then passed through a heavy media (e.g. methylene iodide; S.G. = 3.3) to effect the true heavy minerals separation. This will contain mainly the common sulphides, free gold, magnetite, garnet and epidote. The magnetic fraction is removed either before or after this step. A 3/4 split is sent for geochemical analysis with a ¼ split retained for reference purposes in the case of destructive analytical techniques while the entire heavies sample may be submitted for analysis in the case of non-destructive (e.g. neutron activation) methods.

Individual grains can be further subjected to Scanning Electron Microscope or microprobe work to determine the presence of trace elements (which may "fingerprint" a source area), morphological features such as folding of grains, re-crystallization, etc. The value of the microscope was amply demonstrated in one instance around Timmins where some highly anomalous Cu values were shown with the microscope to be due to copper filings from O-rings on a water pump and not copper mineralization. This sort of contamination has been virtually eliminated in overburden drilling work. Also, heavy mineral concentrates can be lamped with ultraviolet or examined by a scintillometer in the case of uranium exploration.

Concentration ratios for the "heavies" vary between 100:1 to 200:1. This concentration greatly enhances anomalous metal values making the method extremely sensitive. For example, if Cu background in till was 100 ppm, the addition of a few grains of chalcopyrite constituting another 100 ppm Cu to the sample would only double the standard -80 mesh anomaly but would produce a huge heavy minerals anomaly of 10,000 to 20,000 ppm because of the concentration ratio.

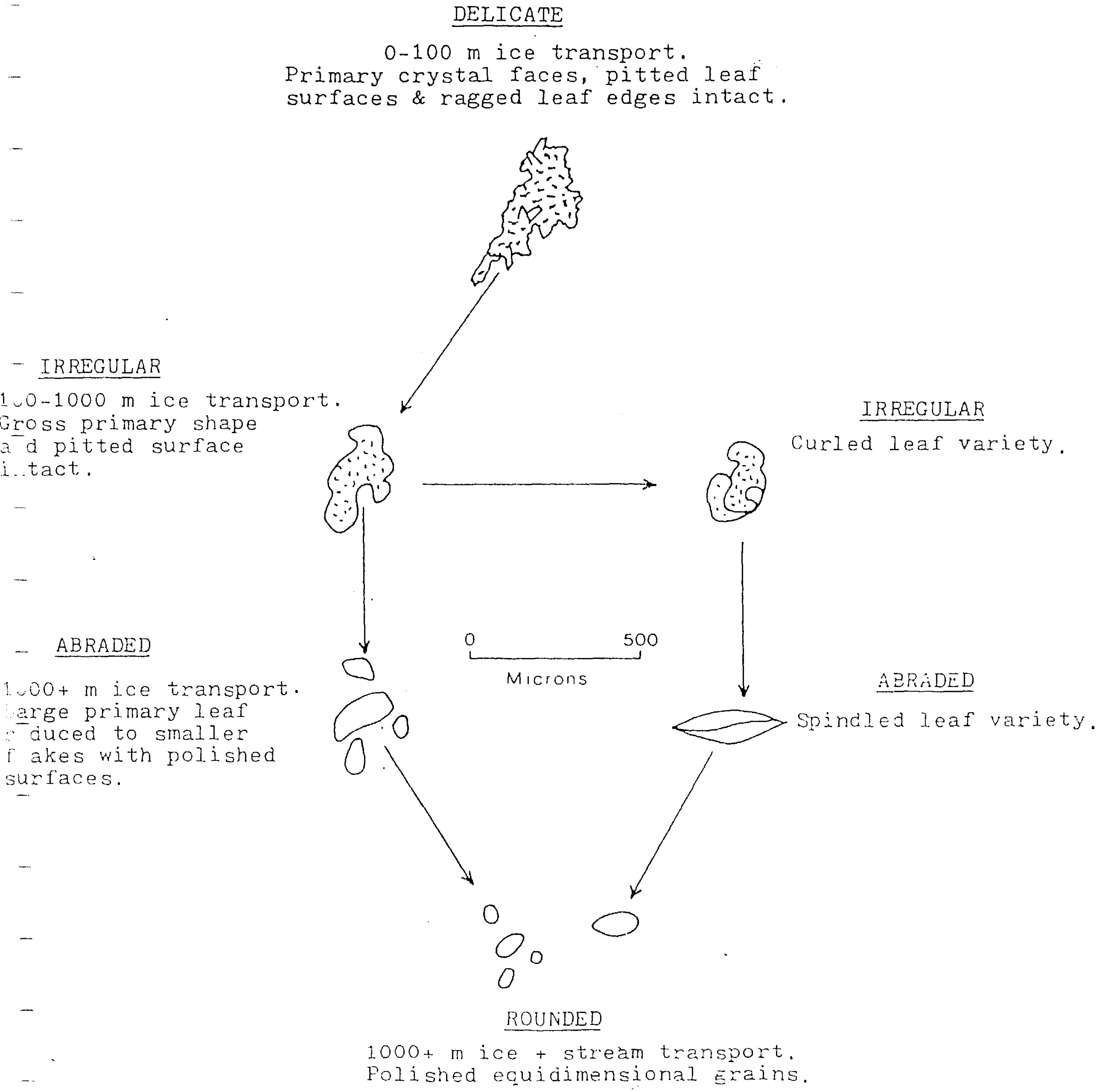


Figure 7: Grain Shape Parameters

Occasionally, the "lights" are of interest as in exploration for asbestos or the common lithium-beryllium minerals. Appropriate heavy media can be used to isolate specific gravity ranges of interest.

6.5 Applications

There are applications for reverse circulation drilling on both the regional and detail scale. Regional work involves wider hole spacings, up to 1 km or more. Such large step-outs are allowed by the high sensitivity of the method. The usual purpose of regional work is to intersect a large indicator train which can then be traced back up-ice and the probable source area explored by detailed overburden drilling, geophysics and diamond drilling.

A very important use of the method is in follow-up to airborne and/or ground geophysical surveys to assist diamond drilling in anomaly evaluation. In this way all or most of the anomalies located during a survey can be evaluated, not only those with the highest geophysical rating. The overburden drilling approach is also very useful in evaluating long, formational anomalies.

A standard approach in the case of EM conductors is to drill a string of holes immediately down-ice from the conductive zone with a hole spacing of 100 to 300 m. This results in a geochemical appraisal of the entire conductive zone. This is particularly desirable since the actual economic deposit may be in a less conductive or non-conductive area off or beside the main conductor. In addition, it is common practice to drill an overburden hole(s) directly into the conductor.

Another detailed application is to further explore a property where a favourable contact or productive geological trend or rock unit is known from previous work.

The bedrock information gained during overburden drilling is very important for lithologic correlation and rock geochemistry. Also, there have been instances of direct ore intersections during overburden drilling (Asarco gold deposit, Timmins, Ontario).

6.6 Interpretational Considerations

The drilling technology is now fairly advanced and more sophisticated improvements, e.g. computer monitoring during the drilling process, are already on the drawing boards. Likewise the sample processing and analytical techniques are now fairly rapid, effective and accurate.

One of the great problems of overburden drilling is in the interpretation of the analytical/processing results. This is particularly so in the case of gold exploration where the "nugget effect" of a single large grain of gold in a small heavy minerals sample may give rise to a very high yet possibly meaningless gold value. It may also be difficult in some cases to distinguish between high background levels of gold and a truly significant anomaly. In geophysics, this would be a question of trying to separate the "signal" from the "noise" when the two can be of the same order of magnitude.

These problems are further complicated in areas of extremely complex glacial geology as in portions of the Clay Belt of northern Ontario-Quebec.

One technique that we at MPH Consulting have used to advantage in interpretation is to calculate, generally by computer, an "equivalent metal" value. This takes into account the analytical value and weight of the HMC and the original sample weight utilizing a formula of the form:

$$\frac{\text{Analysis ug/g* x Proportion Heavy Mineral ug/g}}{1{,}000} = \text{Equivalent concentrate of metal (ng/g)*}$$

*An original value would be in ng/g resulting in an equivalent concentration in pg/g.

This, in effect, is a reflection of the metal content per gram of original till sample. Such equivalent values often project a much more meaningful picture of metal distribution in overburden.

We recognize however that such calculations are, in part, a reflection of glacial lithology. A fluvial sand, for example, would have a much larger heavy minerals endowment, reflecting the fluvial concentration process inherent in its formation, than a clay-rich till. The former would give a higher equivalent number, other things being equal.

A further problem is the failure to recognize that the overburden material may not be giving the desired "reading" on the up-ice bedrock stratigraphy. This will be the case if the desired tills are absent or only poorly developed or if the over-riding glaciers were not in contact with bedrock. This latter effect may be much more common than previously thought. Such overburden samples, no matter how carefully processed and analyzed, will not be indicative of the up-ice bedrock. For example, if drilling immediately down-ice from a strong EM conductive zone, one should expect to see some indication of that conductor, e.g. graphite or sulphide chips, to be confident that the method is indeed working.

Another problem in the case of gold work is the potential loss of fine gold during the drilling and processing and the potential loss of gold in compound grains (e.g. gold in quartz) during the heavy media separation.

In summary, however, there is similarly little doubt that if glacial conditions are correctly interpreted and if the method is properly applied, the reverse circulation technique can be extremely effective one in mineral exploration in glaciated terrain.

7.0 EXPLORATION PROGRAM

7.1 Geophysical Surveys

A comprehensive ground electromagnetic and magnetometer survey was carried out on the Enjalran claims prior to a first phase of reverse circulation drilling in April and May 1986. Following the first phase of reverse circulation drilling, a program of selective MaxMin II EM surveying over previous Abitibi-Price ground EM conductors was conducted on the Lac Santoire and Theo River groups in August 1986. The details of both surveys are dealt with in a previous MPH report by J. Roth.

7.2 Reverse Circulation Drilling, Sample Processing, Analytical

Reverse circulation drilling was carried out in two phases. An initial 61 holes totalling 4,919 ft (1,513.5 m) were drilled between April 25 and June 21, 1986. A follow-up program consisting of a further 17 holes totalling 1,678 ft (516.3 m) was completed between July 23 and August 21, 1986 after detailed geophysical surveys pinpointed additional conductor axes.

No work was carried out on the Lac Carheil block given the location of the EM zones under the lake.

By way of exploration philosophy, reverse circulation holes were spotted both directly on and immediately down-ice (10-100 m) from EM targets. Experience at the Golden Knight deposit and elsewhere in the region has shown that this is the most effective approach in evaluating EM zones for their gold potential. The holes directly into the EM conductors usually identify the cause of the conductivity and provide bedrock material for assay. The holes immediately down-ice provide a reading, via the glacial tills, on the overall conductor or sedimentary/tuffaceous stratigraphy of which the specific EM conductor may be a relatively minor portion. This, in turn, recognizes that the gold deposit may be within the overall conductive environment but not part of the conductor per se, e.g. Golden Knight deposit area.

Bradley Brothers Ltd. of Timmins, Ontario was the drill contractor. They supplied a SuperAcker, dual-tube reverse circulation drill mounted on an FN 160 Nodwell tracked carrier with a smaller tracked vehicle to carry the water tank and pump equipment.

The drill crew consisted of a drill operator or "runner", a runner's helper and a water hauler to provide water for the drilling operations. The following MPH personnel were involved with the reverse circulation drilling:

Consultant	- W.E. Brereton, P.Eng.
Project Geologist	- D. Meyer, B.Sc.
Samplers	- P. Sobie, B.Sc.; M. Banas; B. Walker
Geochemical Consultant	- J. Siriunas, P.Eng.

A camp established by Bradley Brothers Ltd. at Lac Gagnon on the Lac Dieppe road was used by the drill crew and MPH personnel during the drilling operations. A Bell 206 helicopter based at the Lac Gagnon camp was used to access the drill area in portions too distant for daily travel by muskeg tractor.

Most of the overburden samples collected during drilling were sent to the laboratory of Overburden Drilling Management Ltd. for heavy minerals processing in Ottawa. Some were sent to Overburden Exploration Services in Timmins on a trial basis. Standard visual monitoring was carried out during the tabling pre-concentration process. Any samples in which gold was observed were subjected to a careful panning operation in order to isolate and characterize each individual grain. Three-quarter splits were then sent to Bondar-Clegg and Co. Ltd. for Cu, Zn, Ag, As and Au analyses. The remaining one quarter split was retained for microscopic examination and as a permanent record. Sample processing results can be found in Appendix A.

At Bondar-Clegg, any samples containing significant visible gold grains were analyzed by the pulp and metallics method whereby the coarser fraction of the sample (+150 mesh), which presumably contains the gold grains, was analyzed separately from the fine fraction (-150 mesh) and the results combined to give a final weighted average value.

Au was analyzed by fire assay preconcentration followed by aqua regia dissolution and atomic absorption analysis; Ag, Cu and Zn were analyzed by atomic absorption after a hydrochloric acid-nitric acid digestion and As was determined by a colourmetric determination after nitric acid-prechloric acid digestion. Certificates of analysis are presented in Appendix C.

Bedrock chip samples (+10 mesh) were sent to Swastika Laboratories in Kirkland Lake or to Bondar-Clegg in Ottawa for analysis of Cu, Zn, Ag, As and Au contents. A representative suite of bedrock chips and any chips which showed unusual alteration and/or mineralization were analyzed petrographically by MPH. Multi-element ICP analyses were carried out in selected samples. The petrographic reports are presented in Appendix D.

7.3 Sample Statistics and Data Processing

Weights of some heavy mineral concentrate have been converted to ug/g (ppm) of original sample material (i.e. table feed x 0.75 (void factor)). "Equivalent" metal values (e.g. "eAu") have been calculted for some elemental values based on the amount of non-magnetic heavy mineral concentrate recovered for each sample. Analytical data, $\log_{10}$ - transformed data and "equivalent" data have been examined using histograms.

On previous MPH reverse circulation projects in the Casa Berardi area, all elements and equivalent values have been approximated by

$\log_{10}$ - normal distributions from an examination of computer generated histograms and for the purpose of establishing thresholds, $\log_{10}$ - normal distributions and probability-cumulative frequency plots were used. The thresholds that were selected include (a) threshold for "elevated" background concentrations (50% probability of occurrence); (b) threshold for "possibly anomalous" concentrations (5% probability of occurrence); and (c) threshold for "probably anomalous" concentrations (2.5% probability of occurrence). These values have been determined for gold as follows:

a. 550 ppt
b. 4,200 ppt
c. 8,800 ppt

Comparison of the coefficients of variation for all samples and duplicate samples in previous MPH studies showed that the intrasample variation was much less than the overall variation observed in the entire population of till samples. In the present data it is expected that intrasample variation does not contribute significantly to the overall variation of the population. In the same MPH studies, the replicate analysis of samples showed that only a small portion of the overall variation was due to the analytical variation. The analytical variation was most pronounced for analyses of Au.

8.0 REVERSE CIRCULATION DRILLING RESULTS

8.1 General

The average thickness of overburden was found to be approximately 80 ft with a maximum depth to bedrock of 151 ft in hole 92.

An average of 158 ft of drilling per tricone bit was achieved in the course of the overall program.

An average of 185.8 ft of drilling per 11 hour shift or 2.3 holes per operating day was obtained reflecting average drilling conditions.

8.2 Local Glacial Geology

Quaternary stratigraphy on the property consists of a lower till, lower sediments, upper till, upper sediments and a third (clay-rich) till capped by recent organics and muskeg.

Cross-sectional profiles A-A' and B-B', at rear, well illustrate the glacial stratigraphy in the property area.

Lower till is generally best preserved in bedrock depressions where it was sheltered from later, overriding glacial advances and is not found everywhere on the property. This effect is demonstated in holes 32, 38, 39 and 126. The till generally has a silty, sandy and locally clayey matrix with abundant pebble to cobble-sized clasts. Clasts within this till seem for the most part to be locally derived indicating that they have been scoured from relatively proximal bedrock. The greenish tint of the matrix clay also indicates derivation from pulverized mafic volcanics. This lodgement till characteristically is an excellent medium in a till sampling program.

Lower sediments generally consist of gritty, hardpacked lacustrine clays, silty sand and gravel and lie directly on top of lower tills. These lower sediments are also best preserved in the bedrock depressions. The lower clays often have a greenish tint.

Upper or Matheson till is found in all of the holes and varies in thickness up to 60 ft although its till nature is often blurred by extensive reworking. The till is sandy, pebbly to gravelly and is highly variable in thickness, overall composition and size and shape of clasts. Volcanic clasts comprise the major portion of this till with minor quantities of clasts of sediments, granitics, iron formation, etc. Characteristic of this till are minor amounts of Paleozoic limestone fragments. Clasts range from subangular to subrounded. Isolated lenses of boulders and cobbles, probably fluvial lag deposits representing stream channels are common in this unit. Upper portions of this till sequence seem to represent mainly ablationary material melted out of wasting ice. In lower sections it seems likely that a significant part of the detritus was derived more locally from bedrock.

Upper sediments consist of a thick lacustrine clay unit with silty sands and gravel units. The clay is generally dark to light grey, well floculated and relatively homogeneous. Although of little use as a sampling medium the lacustrine clay does provide a good cap which allows for good return of sample material during the drilling operation. The clay often grades downward into silty sand and gravel.

On the Enjalran claim block west of the Turgeon River a thick sand and gravel sequence was identified around holes 123 and 141 to 145.

In swampy areas, for example around holes 40 and 41, the upper clays thickened to as much as 90 ft with intercalated sand and gravel units.

In most portions of the property, a third till (derived from the Cochrane readvance) overlies the upper sediments unconformably. The thickness of this unit is variable ranging up to 10 ft or more. Glacial fluting in the area clearly delineates the ice direction for this readvance at 160°.

Recent organics, predominantly muskeg and humus, blanket the entire property area and range up to 10 ft or more in thickness in low swampy areas. Movement of heavy machinery across some of these open swamps in the summer months can be extremely hazardous.

8.3 Visual Grain Counts

A total of 242 gold grains was observed in tabling and panning. Of those, 222 were described by the lab as abraded, 13 were described as irregular and 7 delicate per the following Table.

It should be noted that previous researchers have established that several abraded gold grains in an overburden sample, perhaps as many as 10, are simply a reflection of elevated background in an area of regional gold mineralization.

Holes 126 and 172 stand out as having a significant number of gold grains, several of which have been classified as delicate.

8.4 Analytical

8.4.1 Overburden

Gold values in till are generally relatively low.

Some "spot high" values are generally reflective of nugget effects relative to small HMC weights and/or pseudo-placer concentrations of heavy minerals in fluvially re-worked sandy till material.

TABLE 1 - Gold Grain Counts

Hole	Abraded Grains Au	Irregular Grains Au	Delicate Grains Au	Total
EC-86-001	1			1
005	1			1
006	8			8
008	3			3
010	1			1
011	1			1
014	2			2
016	6			6
020	1			1
021	1			1
023	1			1
024	6			6
025	9	1		10
028	1			1
029	6			6
030	1			1
031	2			2
032	3			3
033	1			1
034	1			1
035	2		1	3
036	1			1
037	6			6
038	1			1
039	2			2
040	28			28
041	1			1
042	3			3
043	3			3
045	9			9
046	2	1	2	5
047	4			4
087		1		1
092	2	1		3
122	1			1
126	19	2	2	23
141	6			6
142	2			2
143	4	1		5
144	6	1		7
170	1			1
171	15	1		16
172	17	3	2	22
174	2			2
175	14	1		15
176	8			8
177	7			7
TOTAL	222	13	7	242

A good example of the former effect is to be found in the basal sample from hole 90. The initial analytical value was 19,000 ppb gold. The corresponding equivalent value, taking into account the very small HMC size, was 89 ppt, a value of no interest.

Likewise, a 4,500 ppb Au value in sandy material near the top of hole 88, and a value of 15,290 ppb in a similar position in hole 29, probably represent spurious concentrations of heavy minerals during flurvial re-working of till.

It should be noted that many of the higher analytical values (1,0005,000 ppb range) occur in the upper sandy portion of the holes reflective, probably, of the above effects.

The highest gold value recorded was 26,710 ppb in hole 91. This again would appear to be a nugget effect related to a single large gold grain identified during the processing.

Base metal values often increase in holes directly over and immediately down-ice from EM conductors. This is reflective of the generally increased backgrounds of these elements in these sedimentary units. It also provides some confidence that, in most areas, the method is indeed providing the desired "reading" on bedrock.

This latter effect is well illustrated, for example, at the south end of profile A-A' (section 2A at rear) where Cu ± Zn equivalent values increase markedly in hole 01, directly down-ice from an EM zone, then tail off in the down-ice direction.

The highest base metal value recorded was 7,900 ppm Zn in the midsection of hole 37. This would appear to be a somewhat isolated occurrence as there are no supporting values elsewhere in the same hole or in surrounding holes.

8.4.2 Bedrock

No highly anomalous gold values were returned from analyses on bedrock chips. Gold values were generally in the less than 5 ppb range.

Probably the most significant bedrock value in other elements was a 1,424 ppm Zn in altered volcanics in hole 35. Graphitic argillite bedrock in hole 32 returned a distinctly anomalous As value of 645 ppm. The 1,000 grains of arsenopyrite identified in the basal till sample in hole 32 are very likely derived from this conductive zone. There is no noteable gold correlation either in bedrock or in till in hole 32.

9.0 DISCUSSION OF RESULTS

It is convenient to discuss the reverse circulation results within the context of a number of areas as follows:

9.1 Lac Santoire Group

9.1.1 Hole 29 Area

An HMC from upper gravels in hole 29 contained a highly anomalous gold value of 15,290 ppb. Six abraded gold grains were noted in the sample. None of the surrounding holes provided any support for this value (holes 30, 31, 32) and this occurrence is now felt to be, as noted, a local fluvial upgrading of background gold.

9.1.2 Hole 33-35 Area

Holes 33, 34 and 35 investigated some short (1 to 3-line) EM anomalies in the west portion of the block. Hole 35 was drilled directly into one of the EM conductive zones. Bedrock chips from this hole contain visible pyrite ± pyrrhotite and sphalerite (1,424 ppm Zn). Petrographic analysis indicates an altered volcanic bedrock.

The basal sample in hole 35 contained two abraded and one delicate gold grain with the marginally anomalous gold value of 550 ppb.

9.1.3 Hole 05-172 Area

Holes 02, 03, 04, 05, 16, 17 and 18 were drilled into an area of multiple conductors in the central portion of the property during the Phase 1 drilling. Weakly anomalous values in base metal and gold were encountered in the glacial tills. The value of 8,790 ppb Au in sample 01, hole 05 (1 abraded grain Au) is in gravelly outwash material and, as such, is somewhat suspect. Magnetite iron formation bedrock in hole 16 contained 10 ppb gold, one of the few bedrock samples to contain any gold.

Follow-up reverse circulation drill holes 172, 173, 179 and 180 tested this trend further west. Hole 172 contain an anomalous Cu value (1,510 ppm) and a total of 22 gold grains in the basal sample (17 abraded, 3 irregular, 2 delicate).

The value of 320 ppb Au in this sample however seems abnormally low given the amount of gold. The probable reconciliation of these facts lies in the extremely small size of the gold grains as indicated by the laboratory processing results.

The ¼ split of this sample, along with many others, was examined under the binocular microscope. The heavy mineral grains were in general very fine and there was no noteable sulphide content.

It should be noted that tills in this Area may be poorly developed or non-existent.

9.1.4 Hole 46 Area

The basal sample in hole 46 consisted of a "good lodgement till with fragments of py-bearing graphite". The HMC contained two abraded and two delicate gold grains, along with 95% pyrite and 100 grains of arsenopyrite. Copper, zinc and silver values are weakly anomalous (577, 200 and 1.2 ppm, respectively). The gold value of 35 ppb is abnormally low. Bedrock consisted of graphite argillite with 5-10% pyrite with weakly anomalous values in Cu, Zn and Au (235 and 345 ppm and 20 ppb, respectively).

The short EM zone that this hole investigated has not been drill tested.

9.2 Theo River Group

Holes 174, 175, 176 and 177 were spotted to test an EM conductor in the west portion of the block. A previous drill hole here by Abitibi-Price returned low gold values in the conductor and overlying basalts. Elevated gold values are present in basal till material from holes 174 (1,690 ppb), 175 (1,260 ppb) and 176 (7,385 ppb) drilled over and immediately down-ice from the conductor.

9.3 Enjalran Township Group

The initial round of drilling disclosed a number of scattered anomalous gold values in the west portion of this claim group. Holes 87, 88, 90, 91 and 123 all contained anomalous gold values although the high values in holes 90 and 91 (19,000 and 26,710 ppb) relate, at least in part, to nugget effects as previously noted.

Follow-up drilling (holes 126, 141, 142, 143, 144, 145) in Phase 2 was carried out to determine if there was a definite gold dispersion train which emanated from a source on the Baroque property or if the indications were reflective of a broad area of high background gold emanating from a source or sources to the north of the property.

With reference to Profile B-B' (Section 3 at rear), it would appear that the latter is generally the case. Above average gold values are scattered over the entire overburden column, often near the top. Results in hole 123 indicate that the "dispersion" is continuing to the north of the property.

One possible exception is in the area of hole 88 where the basal till sample contains a somewhat anomalous gold value of 1,285 ppb (4,587 equivalent) immediately down-ice from a previously untested EM conductive zone.

Further west on this same trend, hole 126 contained a total of 23 gold grains although with reference to the log, it can be seen that the gold is widely scattered over the hole. Sample 16 is of possible interest with two abraded, two irregular and one delicate gold grain and 15% pyrite.

10.0 CONCLUSIONS

It has been recognized in the Casa Berardi camp, especially in work done by Inco Limited on the Golden Pond deposit, that a recognizable gold and/ or arsenic dispersion train in overburden is detectable up to 1,000 m from a gold orebody, often in the form of a significant number of abraded gold grains. As well, within 100 m of the subcropping mineralization, the majority of the gold grains are delicate in nature.

On the present property, 92% of the gold grains were abraded. Gold grains generally occurred throughout the entire till section and often in units of glaciofluvial material where it can be assumed that there has been some pseudo-placer concentation of heavy minerals.

The main purpose of the reverse circulation drill program was to test all of the very large number of geophysical anomalies for zones of gold and/ or base metal values. It is concluded that this was accomplished successfully except in a few local areas where till was poorly developed or in one case where drilling was prohibitively difficult (hole 145).

It is further concluded that, within the limitations of the reverse circulation method, there are no significant gold or base metal dispersion trains that relate to an obvious bedrock source on the Baroque claims.

There are however a number of areas, based on all of the work to date, that warrant further work, mainly diamond drill testing, to explore for gold/base metal deposits that may not be reflected in the glacial tills for a number of reasons. The latter would include deposits that may not extend to the subcrop interface and areas where the tills are poorly developed.

11.0 RECOMMENDATIONS

It is recommended that additional work be carried out as follows:

Lac Santoire Group

Hole 05-172 Area

Reverse circulation results (e.g. 22 gold grains in hole 172) and results of previous diamond drilling (Noranda, hole 65-2) strongly suggest that two diamond drill holes should be completed here to test previously untested EM zones as follows:

Grid	Co-Ordinate	Dip	Azimuth	Length
Abitibi-Price #5	*24+00E, 5+50N	-45°N	035°	130 m
	and			
Abitibi-Price #5	*24+00E, 2+00N	-45°N	Grid N	125 m

*Line 24+00E re-surveyed by MPH.

Hole 35 Area

Weakly anomalous geochemical indications in tills and bedrock relative to an attractive EM target warrant a drill test here as follows:

Grid	Co-Ordinate	Dip	Azimuth	Length
MPH Area 4/Grid 4	160+00E, 11+75S	-45°N	Grid N	100 m

Hole 46 Area

A drill test is warranted here on the above reasoning as follows:

Grid	Co-ordinate	Dip	Azimuth	Length
MPH Area 4/Grid 4	164+00E, 0+75S	-45°	Grid N	110 m

Theo River Group

Sub-economic gold values in previous Abitibi-Price drill hole 84-4 and scattered anomalous gold values in lower tills indicate that another test of this EM zone is warranted as follows:

Grid	Co-Ordinate	Dip	Azimuth	Length
Theo River Area 8	12+00E, 0+80S	-55°N	Grid N	110 m

Enjalran Township Group

The area around holes 91, 143-145 remains of geologic interest given that this is the interpreted contact area of an altered ultramafic intrusive with the surrounding volcano-sedimentary ± iron formation sequence. Highly anomalous, although somewhat suspect gold values are present in hole 91.

There is no obvious diamond drill target in this zone. Limited Induced Polarization surveying should be completed prior to any drilling to test for a disseminated sulphide zone in the contact area. IP lines should also be extended across the hole 88 and hole 126 EM conductor areas to test for any flanking disseminated sulphide zones.

Recommended IP coverage is as follows:

Line	From	To
3500E	350N	350S
2800E	BL	900S
2700E	BL	900S
2400E	350N	900S

A further 2-3 diamond drill holes (325 m) should be allowed either for the above area and/or as follow-up to encouragement in the other drilling.

The total drill program is therefore estimated at approximately 900 m (3,000 ft). Estimated cost of the program, inclusive of the IP work, reporting, contingencies, etc. is $165,000.

Recommendations for further work will be contingent on the results of the above relative to our exploration models for the property area.

Respectfully submitted,

David A Meyer

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W.E. Brereton, P.Eng.

APPENDIX A

Heavy Mineral Processing Results

mphe1jun.86

OVERBURDEN DRILLING MANAGEMENT LIMITED

LABORATORY SAMPLE LOG

BAROQUE

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	%				S/U	SD	ST	CY	COLOR		
												V/S	GR	LS	OT					SD	CY	
EC-86																						
01-02	7.9	1.3	6.6	47.1	17.7	29.4	15.2	14.2	0	NA	P	30	70	NA	NA	U	Y	Y	Y	GG	GY	TILL
-03	3.9	0.0	3.9	137.4	103.8	33.6	28.8	4.8	1	22	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GY	TILL
02-02	8.0	0.5	7.5	155.9	120.8	35.1	19.6	15.5	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	8.1	0.4	7.7	136.1	105.5	30.6	19.6	11.0	0	NA	P	80	20	NA	NA	U	Y	Y	Y	BK	GY	TILL
04-01	7.4	0.2	7.2	142.0	107.6	34.4	21.9	12.5	0	NA	P	90	10	NA	NA	U	Y	Y	Y	B	GB	TILL
05-01	6.0	1.3	4.7	200.7	186.1	14.6	7.5	7.1	1	1261	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
06-04	4.2	0.0	4.2	42.4	30.3	12.1	8.1	4.0	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	B	GB	TILL
07-01	4.8	0.0	4.8	86.1	57.6	28.5	18.6	9.9	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
09-03	7.4	0.2	7.2	117.9	83.9	34.0	22.7	11.3	0	NA	P	90	10	NA	NA	U	Y	Y	Y	B	B	TILL
-06	7.3	0.2	7.1	72.6	36.5	36.1	28.3	7.8	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
10-02	6.8	0.1	6.7	77.5	51.0	26.5	18.0	8.5	0	NA	P	70	30	NA	1	U	Y	Y	Y	GB	GB	TILL
11-01	6.8	0.1	6.7	129.5	88.3	41.2	30.7	10.5	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	6.8	0.2	6.6	155.8	118.9	36.9	24.1	12.8	1	42	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	8.1	0.1	8.0	154.6	116.6	38.0	24.5	13.5	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	9.0	0.0	9.0	162.6	117.7	44.9	35.0	9.9	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
12-05	8.7	0.0	8.7	111.6	63.2	48.4	30.2	18.2	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
13-07	7.0	0.0	7.0	96.3	44.0	52.3	41.0	11.3	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
14-09	5.7	0.0	5.7	98.2	82.4	15.8	10.9	4.9	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GG	GG	TILL
-10	7.4	0.2	7.2	150.9	112.2	38.7	27.9	10.8	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
15-01	6.5	0.0	6.5	120.0	91.0	29.0	17.7	11.3	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	7.2	0.0	7.2	90.9	59.3	31.6	21.4	10.2	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	7.7	0.1	7.6	66.7	36.8	29.9	21.5	8.4	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
16-03	8.3	0.1	8.2	105.9	61.0	44.9	27.9	17.0	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	8.4	0.1	8.3	110.3	36.5	73.8	48.9	24.9	0	NA	P	95	5	NA	NA	U	Y	Y	Y	GB	GB	TILL
17-01	8.3	1.0	7.3	160.6	127.8	32.8	19.0	13.8	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
18-01	8.3	0.1	8.2	74.0	29.9	44.1	26.9	17.2	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	GB	TILL
19-06	8.0	0.2	7.8	73.3	44.8	28.5	17.6	10.9	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	8.5	0.3	8.2	110.3	77.0	33.3	21.4	11.9	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
20-07	8.7	0.2	8.5	97.5	65.6	31.9	21.2	10.7	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	8.0	0.2	7.8	107.1	72.9	34.2	22.4	11.8	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	7.8	0.1	7.7	97.5	80.6	16.9	11.7	5.2	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
21-03	8.4	0.2	8.2	80.5	51.1	29.4	18.2	11.2	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
22-03	7.2	0.0	7.2	61.8	30.1	31.7	23.4	8.3	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	7.1	0.2	6.9	106.5	71.6	34.9	21.6	13.3	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	7.4	0.2	7.2	73.9	46.5	27.4	18.5	8.9	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	7.8	0.0	7.8	60.8	32.9	27.9	19.1	8.8	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
23-04	6.6	0.0	6.6	110.0	83.1	26.9	16.0	10.9	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	7.6	0.1	7.5	94.3	59.1	35.2	23.1	12.1	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
24-02	7.8	0.8	7.0	173.1	141.1	32.0	18.6	13.4	1	335	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
25-08	7.7	0.0	7.7	223.1	188.6	34.5	21.3	13.2	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	7.7	0.0	7.7	104.8	69.2	35.6	21.8	13.8	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-10	8.1	0.1	8.0	96.1	56.3	39.8	23.3	16.5	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
26-01	6.9	0.0	6.9	79.6	46.6	33.0	22.0	11.0	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
27-02	7.1	0.0	7.1	92.3	64.6	27.7	18.5	9.2	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL

mphe1jun.86

OVERBURDEN DRILLING MANAGEMENT LIMITED

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	%				S/U	SD	ST	CY	COLOR		
												V/S	GR	LS	OT					SD	CY	
EC-86																						
28-02	7.5	0.7	6.8	135.5	99.1	36.4	21.3	15.1	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
29-02	7.2	0.2	7.0	110.0	74.1	35.9	24.6	11.3	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
31-02	7.7	0.1	7.6	141.4	109.4	32.0	19.1	12.9	2	970	P	70	30	NA	NA	U	Y	Y	Y	B	GB	TILL
-03	8.0	0.1	7.9	140.5	106.5	34.0	23.9	10.1	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
32-05	7.8	0.1	7.7	137.0	101.4	35.6	22.6	13.0	0	NA	G	70	30	NA	NA	U	Y	Y	Y	B	GB	TILL
-06	6.5	0.0	6.5	127.5	102.7	24.8	15.4	9.4	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-07	7.0	0.0	7.0	116.0	84.6	31.4	19.8	11.6	1	146	TR	NA	NA	NA	NA	U	Y	Y	Y	B	GB	TILL
-08	6.3	0.5	5.8	225.3	199.9	25.4	13.2	12.2	0	NA	C/BD	90	10	NA	NA	U	Y	Y	Y	B	GB	TILL/BDK
33-02	6.9	0.0	6.9	122.3	88.5	33.8	20.6	13.2	1	77	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-03	7.4	0.1	7.3	169.5	129.6	39.9	24.3	15.6	0	NA	C	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
34-03	7.3	0.2	7.1	149.8	118.8	31.0	18.6	12.4	1	20	P/C	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
35-02	7.4	0.1	7.3	165.3	137.6	27.7	15.8	11.9	1	12	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-03	7.3	0.1	7.2	157.8	116.7	41.1	31.5	9.6	3	160	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
36-02	8.2	0.4	7.8	233.3	187.8	45.5	30.3	15.2	1	1485	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
37-02	6.4	0.1	6.3	137.5	109.3	28.2	19.3	8.9	4	78	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-03	7.4	0.3	7.1	173.0	138.6	34.4	23.8	10.6	1	8	G	60	40	NA	NA	U	Y	Y	Y	B	GN	TILL
38-03	7.9	0.5	7.4	191.9	151.6	40.3	27.4	12.9	1	77	G	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
39-05	6.9	0.1	6.8	130.9	99.4	31.5	21.5	10.0	0	NA	G	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-06	7.5	0.8	6.7	273.4	238.6	34.8	23.8	11.0	2	105	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL
40-14	6.8	0.5	6.3	121.2	97.2	24.0	16.4	7.6	0	NA	P	80	20	NA	NA	U	Y	Y	Y	B	GB	TILL
-22	7.3	0.2	7.1	294.9	227.4	67.5	54.2	13.3	1	28	P	80	20	NA	NA	U	Y	Y	Y	B	GY	TILL
41-12	6.0	0.5	5.5	162.1	139.0	23.1	15.2	7.9	0	NA	C	80	20	NA	NA	U	Y	Y	Y	B	GB	TILL
42-04	7.8	0.3	7.5	267.0	223.4	43.6	25.8	17.8	0	NA	C	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-14	4.8	0.3	4.5	125.4	92.3	33.1	18.7	14.4	1	20	C	95	4	NA	5	U	Y	Y	Y	B	B	TILL
43-07	13.1	0.2	12.9	242.8	200.7	42.1	20.6	21.5	3	170	C	90	10	NA	NA	U	Y	Y	Y	B	B	TILL
44-05	7.7	0.2	7.5	180.6	157.8	22.8	14.5	8.3	0	NA	G	65	35	NA	NA	U	Y	Y	Y	GB	B	TILL
45-10	8.1	0.1	8.0	134.6	97.5	37.1	25.0	12.1	0	NA	G	60	40	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	8.6	0.3	8.3	103.0	58.7	44.3	29.9	14.4	1	381	G	90	10	NA	NA	U	Y	Y	Y	G	GB	TILL
-12	2.6	0.1	2.5	48.4	35.8	12.6	9.1	3.5	0	NA	C/BD	95	5	NA	NA	U	Y	Y	Y	GG	GB	TILL
47-02	7.7	0.1	7.6	107.5	74.0	33.5	17.8	15.7	4	455	C	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
46-05	7.0	0.2	6.8	213.8	61.4	152.4	142.4	10.0	4	21	C	80	20	NA	NA	U	Y	Y	Y	GB	GY	TILL

MPHE2JUN.86

OVERBURDEN DRILLING MANAGEMENT LIMITED

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	%				S/U	SD	ST	CY	COLOR		
												V/S	GR	LS	OT					SD	CY	
EC-86																						
01-01	6.7	0.1	6.6	158.2	122.4	35.8	18.4	17.4	0	NA	G	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
02-01	7.1	0.3	6.8	158.7	112.8	45.9	22.5	23.4	0	NA	G	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
08-01	4.4	0.1	4.3	188.8	172.8	16.0	8.7	7.3	1	567	G	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-02	6.0	0.2	5.8	150.5	134.3	16.2	8.3	7.9	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
09-04	7.3	0.0	7.3	196.6	175.5	21.1	11.8	9.3	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-05	6.4	0.0	6.4	152.5	135.9	16.6	11.5	5.1	0	NA	G	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
10-01	6.9	0.1	6.8	166.2	139.3	26.9	12.8	14.1	0	NA	G	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-07	4.3	0.1	4.2	99.4	86.7	12.7	7.8	4.9	1	82	C	80	20	NA	NA	U	Y	Y	Y	GG	GG	TILL
13-01	7.1	0.0	7.1	75.7	56.3	19.4	11.2	8.2	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-02	8.2	0.1	8.1	138.0	113.4	24.6	14.7	9.9	0	NA	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-03	7.5	0.1	7.4	220.7	204.2	16.5	9.6	6.9	0	NA	G	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-04	5.7	0.2	5.5	199.7	178.6	21.1	12.9	8.2	0	NA	P	60	40	NA	NA	U	Y	Y	Y	GG	GG	TILL
-05	8.1	0.2	7.9	160.5	130.0	30.5	19.3	11.2	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	8.1	0.4	7.7	79.5	54.2	25.3	15.7	9.6	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
14-01	7.4	0.2	7.2	54.7	31.0	23.7	15.2	8.5	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	7.4	0.1	7.3	57.8	34.4	23.4	14.5	8.9	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	8.0	0.1	7.9	77.8	40.3	37.5	26.3	11.2	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	8.6	0.5	8.1	115.2	82.3	32.9	23.0	9.9	1	65	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-11	6.8	0.1	6.7	49.9	29.1	20.8	11.9	8.9	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
16-01	7.2	0.1	7.1	72.8	41.0	31.8	17.0	14.8	1	38	P	90	10	NA	NA	U	Y	Y	Y	B	GB	TILL
-02	8.3	0.0	8.3	70.8	48.8	22.0	17.1	4.9	5	467	TR	NA	NA	NA	NA	U	Y	Y	Y	B	GB	TILL
19-01	9.0	0.0	9.0	94.8	60.0	34.8	22.0	12.8	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
20-01	8.8	0.0	8.8	52.1	33.2	18.9	11.9	7.0	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	B	GB	TILL
-02	7.9	0.2	7.7	52.7	31.7	21.0	13.1	7.9	0	NA	P	50	50	NA	NA	U	Y	Y	Y	B	GB	TILL
-03	9.0	0.0	9.0	99.4	84.4	15.0	9.8	5.2	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	B	GB	TILL
-05	8.5	0.2	8.3	74.4	52.3	22.1	14.7	7.4	1	7103	C	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	8.6	0.1	8.5	99.9	71.5	28.4	17.6	10.8	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
21-01	8.3	0.1	8.2	98.5	66.9	31.6	18.9	12.7	0	NA	P	50	50	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	8.8	0.3	8.5	125.5	99.4	26.1	10.7	15.4	1	140	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
22-01	7.5	0.1	7.4	94.5	60.5	34.0	23.3	10.7	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	8.9	0.2	8.7	109.8	78.8	31.0	20.8	10.2	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	7.1	0.2	6.9	120.3	90.4	29.9	18.8	11.1	0	NA	P/BK	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL/BDK
24-01	8.2	0.2	8.0	105.5	68.2	37.3	21.6	15.7	5	821	P	30	70	NA	NA	U	Y	Y	Y	B	B	TILL
25-01	8.4	0.1	8.3	133.9	94.5	39.4	22.4	17.0	0	NA	G	30	70	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	8.4	0.1	8.3	254.9	224.3	30.6	16.0	14.6	0	NA	P	40	60	NA	NA	U	Y	Y	Y	B	B	TILL
-03	8.4	0.1	8.3	218.4	186.4	32.0	17.3	14.7	0	NA	G	40	60	NA	NA	U	Y	Y	Y	B	B	TILL
27-01	6.7	0.0	6.7	120.2	93.1	27.1	14.4	12.7	0	NA	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
28-01	6.2	0.0	6.2	178.3	155.8	22.5	12.4	10.1	1	121	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
29-01	7.0	0.2	6.8	185.1	152.0	33.1	18.5	14.6	6	4302	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
31-01	7.7	0.2	7.5	187.2	153.0	34.2	17.6	16.6	0	NA	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
33-01	6.7	0.4	6.3	187.5	156.1	31.4	17.6	13.8	0	NA	C	20	80	NA	NA	U	Y	Y	Y	B	B	TILL
34-01	6.2	0.2	6.0	219.0	192.9	26.1	13.9	12.2	0	NA	G	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-02	7.5	0.2	7.3	173.2	151.2	22.0	12.2	9.8	0	NA	G	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
35-01	7.1	0.4	6.7	246.2	220.9	25.3	13.9	11.4	0	NA	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL

MPHE2JUN.86

OVERBURDEN DRILLING MANAGEMENT LIMITED

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	%				S/U	SD	ST	CY	COLOR		
												V/S	GR	LS	OT					SD	CY	
EC-86																						
36-01	7.7	0.2	7.5	153.8	127.4	26.4	13.6	12.8	0	NA	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
37-01	7.1	0.1	7.0	208.5	191.5	17.0	9.1	7.9	1	165	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
38-01	7.0	0.2	6.8	150.4	128.5	21.9	11.4	10.5	0	NA	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-02	7.4	0.2	7.2	240.4	216.2	24.2	13.2	11.0	0	NA	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
40-01	7.8	0.2	7.6	128.6	108.6	20.0	10.3	9.7	0	NA	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-04(2)	6.6	0.3	6.3	109.8	84.7	25.1	17.3	7.8	1	7023	C	65	35	NA	NA	U	Y	Y	Y	B	B	TILL
-06(1)	6.1	0.1	6.0	97.6	79.1	18.5	12.4	6.1	0	NA	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
-02	6.7	0.0	6.7	72.0	55.0	17.0	8.8	8.2	1	22	TR	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-03	11.8	0.3	11.5	99.5	72.5	27.0	15.8	11.2	0	NA	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04(1)	6.0	0.2	5.8	90.3	72.9	17.4	10.9	6.5	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
40-05	11.8	0.2	11.6	115.2	80.2	35.0	20.5	14.5	0	NA	P	80	20	NA	NA	U	Y	Y	Y	B	B	TILL

mph11jul.86

OVERBURDEN DRILLING MANAGEMENT LIMITED

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	%				S/U	SD	ST	CY	COLOR		
												V/S	GR	LS	OT					SD	CY	
EC-86																						
40-06(2)	6.4	0.2	6.2	104.1	80.2	23.9	14.6	9.3	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-07	14.2	0.3	13.9	129.9	95.4	34.5	19.0	15.5	1	53	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-08	12.0	0.3	11.7	98.4	67.5	30.9	16.6	14.3	9	1926	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-09	14.2	0.4	13.8	134.3	98.1	36.2	21.3	14.9	8	490	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-10	11.7	0.2	11.5	75.0	46.0	29.0	18.4	10.6	0	NA	P	75	25	NA	NA	U	Y	Y	Y	B	B	TILL
-11	14.0	0.3	13.7	105.6	62.8	42.8	25.7	17.1	1	83	P	75	25	NA	NA	U	Y	Y	Y	B	GB	TILL
-12	6.6	0.3	6.3	52.2	32.7	19.5	12.1	7.4	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	GB	TILL
-13	12.8	1.0	11.8	65.8	42.2	23.6	15.6	8.0	1	96	P	80	20	NA	NA	U	Y	Y	Y	B	GB	TILL
-15	5.9	0.7	5.2	49.0	33.9	15.1	9.9	5.2	0	NA	P	80	20	NA	A	U	Y	Y	Y	B	GB	TILL
-16	12.8	0.3	12.5	94.9	69.8	25.1	14.8	10.3	1	523	P	80	20	NA	A	U	Y	Y	Y	B	GB	TILL
-17	7.1	0.4	6.7	83.4	69.6	13.8	13.4	0.4	0	NA	P	90	10	NA	NA	U	Y	Y	Y	GB	GB	TILL
-18	7.3	0.6	6.7	106.5	89.5	17.0	11.1	5.9	2	36	P	80	20	NA	NA	U	Y	Y	Y	GB	GB	TILL
-19	7.7	0.4	7.3	237.7	211.0	26.7	16.7	10.0	0	NA	C	99	1	NA	NA	U	Y	Y	Y	GB	GB	TILL
-20	2.8	0.3	2.5	245.6	204.3	41.3	18.6	22.7	1	861	G	80	20	NA	NA	U	Y	Y	Y	B	GB	TILL
-21	7.2	0.2	7.0	261.3	238.0	23.3	14.4	8.9	0	NA	G	60	40	NA	NA	U	Y	Y	Y	B	GB	TILL
41-01	7.1	0.5	6.6	211.9	194.0	17.9	11.1	6.8	0	NA	P/G	80	20	NA	NA	U	Y	Y	Y	B	GB	TILL
-02	5.0	0.6	4.4	67.3	60.0	7.3	4.0	3.3	1	9113	P/G	70	30	NA	NA	U	Y	Y	Y	B	GB	TILL
-03	5.8	0.5	5.3	109.0	100.2	8.8	5.0	3.8	0	NA	P/G	70	30	NA	NA	U	Y	Y	Y	B	GB	TILL
-09	6.4	0.8	5.6	152.2	129.1	23.1	14.3	8.8	0	NA	P	85	15	NA	NA	U	Y	Y	Y	B	GY	TILL
-10	6.6	1.2	5.4	139.4	118.8	20.6	13.0	7.6	0	NA	P	85	15	NA	A	U	Y	Y	Y	B	GY	TILL
-11	6.4	0.4	6.0	156.2	134.1	22.1	13.9	8.2	0	NA	P/BK	90	10	NA	NA	U	Y	Y	Y	B	GY	TILL
42-01	6.7	0.3	6.4	215.5	194.3	21.2	11.4	9.8	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	GY	TILL
-02	7.3	0.8	6.5	228.4	197.2	31.2	18.1	13.1	1	2808	P	70	30	TR	NA	U	Y	Y	Y	B	GY	TILL
-03	5.9	0.1	5.8	144.4	127.9	16.5	8.8	7.7	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	GY	TILL
-05	7.9	0.2	7.7	149.0	125.7	23.3	11.9	11.4	1	178	C	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-06	7.1	0.2	6.9	202.5	170.9	31.6	17.7	13.9	0	NA	C	70	30	NA	NA	U	Y	Y	Y	B	GB	TILL
-07	5.2	0.3	4.9	78.8	63.9	14.9	8.5	6.4	0	NA	P	90	10	NA	NA	U	Y	Y	Y	B	GB	TILL
-08	7.0	0.1	6.9	59.1	43.8	15.3	8.2	7.1	0	NA	P	80	20	NA	NA	U	Y	Y	Y	B	GY	TILL
-09	7.0	0.6	6.4	52.4	40.5	11.9	6.5	5.4	0	NA	P	75	20	5	NA	U	Y	Y	Y	B	GY	TILL
-10	8.0	0.7	7.3	70.7	57.0	13.7	7.0	6.7	0	NA	P	80	20	TR	NA	U	Y	Y	Y	GB	GB	TILL

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OVERBURDEN DRILLING MANAGEMENT LIMITED

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	
EC-86																						
42-11	6.6	0.1	6.5	132.5	105.4	27.1	16.5	10.6	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	GB	TILL
-12	7.9	0.1	7.8	140.3	107.9	32.4	20.4	12.0	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	GB	TILL
-13	7.5	0.3	7.2	142.1	109.2	32.9	22.2	10.7	0	NA	P	80	20	NA	NA	U	Y	Y	Y	B	GB	TILL
43-01	8.4	0.2	8.2	140.1	103.5	36.6	19.1	17.5	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	GB	TILL
-02	7.8	0.1	7.7	133.3	104.2	29.1	16.5	12.6	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	B	TILL
-03	7.2	0.1	7.1	141.9	116.3	25.6	15.6	10.0	0	NA	P	55	45	NA	NA	U	Y	Y	Y	B	GB	TILL
-04	7.3	0.1	7.2	136.9	115.1	21.8	12.2	9.6	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	GB	TILL
-05	7.5	0.2	7.3	50.1	40.0	10.1	5.7	4.4	0	NA	P	60	40	NA	NA	U	Y	Y	Y	B	GB	TILL
-06	7.6	0.2	7.4	126.3	103.2	23.1	14.1	9.0	0	NA	P	55	45	NA	NA	U	Y	Y	Y	B	GY	TILL
45-01	8.4	3.1	5.3	129.5	116.1	13.4	3.4	10.0	0	NA	P	55	45	NA	NA	U	Y	Y	Y	B	GB	TILL
-02	7.4	0.0	7.4	115.4	90.9	24.5	14.9	9.6	0	NA	P	55	45	NA	NA	U	Y	Y	Y	B	B	TILL
-03	14.5	0.1	7.7	211.6	164.8	46.8	28.4	18.4	4	79	P	70	30	NA	NA	U	Y	Y	Y	B	GB	TILL
-04	6.8	0.1	7.7	133.7	107.8	25.9	17.8	8.1	2	176	P	70	30	NA	NA	U	Y	Y	Y	B	GB	TILL
-05	8.1	0.2	7.6	152.7	110.8	41.9	22.0	19.9	1	224	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-06	7.2	0.2	7.6	176.2	148.7	27.5	17.3	10.2	1	659	C/BL	15	85	NA	NA	U	Y	Y	Y	GB	B	TILL
-07	6.9	0.2	6.7	111.5	84.4	27.1	18.7	8.4	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-08	7.3	0.1	7.2	119.5	89.8	29.7	20.7	9.0	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-09	7.3	0.2	7.1	149.0	118.8	30.2	20.6	9.6	0	NA	P	50	50	NA	NA	U	Y	Y	Y	B	B	TILL
46-01	7.5	0.2	7.3	151.1	122.8	28.3	17.6	10.7	0	NA	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-02	6.8	0.2	6.6	132.1	111.2	20.9	11.5	9.4	0	NA	P	70	30	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	7.7	0.1	7.7	217.1	189.7	27.4	17.3	10.1	1	659	P	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
-04	7.2	0.3	6.9	140.7	109.5	31.2	19.7	11.5	0	NA	C	70	30	NA	NA	U	Y	Y	Y	B	B	TILL
47-01	7.5	0.2	7.3	191.7	164.2	27.5	11.0	16.5	0	NA	P	40	60	NA	NA	U	Y	Y	Y	B	B	TILL

SampleNo.	Bulk	+10Mesh	TableFeed	TableConc	Mags	NonMags	M.I.Heav	M.I.Lites	1/4Split	V.G.Pan	Other Remarks
83-02	8.37	.04	8.33	62.45	12.01	50.44	21.95	28.49	5.49		

SampleNo.	Bulk	+10Mesh	TableFeed	TableConc	Mags	NonMags	M.I.Heav	M.I.Lites	1/4Split	V.G.Pan	Other Remarks
83-03	8.46	.05	8.41	61.81	17.05	44.76	26.05	18.71	6.51		
83-04	6.48	.07	6.41	34.15	13.77	20.38	14.96	5.42			
83-05	8.50	.12	8.38	28.23	8.14	20.09	10.53	9.56	.50		
84-01	6.88	.12	6.76	33.56	6.55	27.01	13.46	13.55	3.37		
85-10	8.55	.96	7.59	28.19	3.89	24.30	3.58	20.72			
85-11	8.72	.54	8.18	18.57	7.37	11.20	7.53	3.67			
85-12	7.57	.65	6.92	11.47	3.42	8.05	4.12	3.93			
85-13	8.26	.05	8.21	34.70	6.59	28.11	15.81	12.30	3.95		
85-14	7.44	.03	7.41	37.50	7.84	29.66	16.69	12.97	4.17		
86-01	7.88	.06	7.82	50.57	13.31	37.26	26.90	10.36			
86-02	6.50	1.32	5.18	20.99	5.95	15.04	8.21	6.83			
87-01	5.57	.01	5.56	27.76	4.16	23.60	14.01	9.59	3.50		
87-02	7.69	.02	7.67	40.94	8.76	32.18	20.47	11.71	5.10		
87-03	7.52	.05	7.47	31.52	7.60	23.92	15.58	8.34	3.90		
87-04	7.23	.10	7.13	27.31	7.59	19.72	12.59	7.13	2.50		
87-05	5.63	.10	5.53	22.99	5.70	17.29	9.65	7.64			
88-01	8.29	.66	7.63	48.11	11.46	36.65	18.28	18.37	4.57		
88-02	8.48	.05	8.43	38.23	13.05	25.18	14.79	10.39	3.70		
88-03	7.64	.06	7.58	42.68	8.79	33.89	16.04	17.85	4.01		
88-04	8.99	.01	8.98	68.81	10.57	58.24	33	25.24	8.25		
88-05	7.13	.04	7.09	36.68	10.12	26.56	18.98	7.58	4.81		
89-01	8.44	.12	8.32	47.89	12.09	35.80	21.95	13.85	5.49		
89-02	8.46	.01	8.45	47.72	10.72	37	21.23	15.77	5.31		
89-03	7.49	.10	7.39	37.28	17.75	19.53	13.69	5.84	3.42		
90-01	8.18	.05	8.13	38.93	13.09	25.84	14.59	11.25	3.65		
90-02	7.07	.05	7.02	12.71	6.26	6.45	3.34	3.11			
90-03	5.47	0	5.47	38.76	7.43	31.33	13.04	18.29	3		
90-04	4.41	0	4.41	33.99	5.36	28.63	11.78	16.85	1.70		
90-05	8.48	0	8.48	65.48	9.21	56.27	28.96	27.31	7.24		
90-06	7.80	.02	7.78	28.33	10.54	17.79	11.99	5.80	1.90		
90-07	8.11	.03	8.08	18.15	3.35	14.80	8.67	6.13			
90-08	2.85	.01	2.84	1.57	.09	1.48	.01	1.47			
91-01	8.59	.01	8.58	52	10.35	41.65	24.33	17.32	6.08		
91-02	8.30	0	8.30	60.85	13.19	47.66	22.34	25.32	5.59		
91-03	8.26	.49	7.77	33.92	8.72	25.20	11.40	13.80	1.30		
91-04	8.29	.07	8.22	16.81	4.61	12.20	5.56	6.64			
91-05	8.42	.04	8.38	7.33	1.98	5.35	2.20	3.15			
91-06	7.79	.07	7.72	3.29	.69	2.60	.65	1.95			
91-07	7.81	.12	7.69	5.02	1.45	3.57	1.10	2.47			
91-08	8.05	.20	7.85	4.40	1.29	3.11	1.30	1.81			
91-09	8.98	.29	8.69	31.57	14.30	17.27	9.56	7.71			
92-01	7.85	0	7.85	36.80	5.05	31.75	20.95	10.80	5.24		
92-02	8.53	.60	7.93	49.20	12.70	36.50	22.23	14.27	5.56		
92-13	8.15	.30	7.85	31.18	8.48	22.70	13.10	9.60	3		
92-14	8.68	.32	8.36	30.18	8.79	21.39	12.26	9.13	2.20		

SampleNo.	Bulk	+10Mesh	TableFeed	TableConc	Mags	NonMags	M.I.Heav	M.I.Lites	1/4Split	V.G.Fan	Other Remarks
122-03	7.55	.05	7.50	31.75	9.15	22.60	14.76	7.84	3.65		
122-04	7.66	.29	7.37	23.99	5.51	18.48	10.92	7.56	.80		
122-05	7.69	.18	7.51	16.70	4.65	12.05	7.40	4.65			
122-08	7.50	.17	7.33	15.68	7.85	7.83	4.07	3.76			
122-09	7.33	.05	7.28	28.25	5.81	22.44	13.08	9.36	3		
123-04	7.64	.05	7.59	41.89	10.19	31.70	19.15	12.55	4.79		
123-09	9.71	.12	9.59	20.14	6.76	13.38	8.06	5.32			
124-01	7.50	.33	7.17	37.67	10.04	27.63	18.24	9.39	4.56		
125-03	4.83	.20	4.63	17.54	2.99	14.55	9.15	5.40			
CR-02	6.65	2.11	4.54	10.98	.43	10.55	3.15	7.40			

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OVERBURDEN DRILLING MANAGEMENT LIMITED

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	%				S/U	SD	ST	CY	COLOR		
												V/S	GR	LS	OT					SD	CY	
EC-86																						
30-01,02	16.5	0.6	15.9	313.7	273.5	40.2	23.5	16.7	0	NA						U	Y	Y	Y	B	B	TILL
-03,04	16.3	0.1	16.2	244.9	197.0	47.9	30.5	17.4	0	NA						U	Y	Y	Y	B	B	TILL
-05,06	16.6	0.3	16.3	263.8	197.4	66.4	41.8	24.6	0	NA						U	Y	Y	Y	B	B	TILL
-07	8.0	0.2	7.8	192.5	150.2	42.3	27.0	15.3	1	107						U	Y	Y	Y	B	B	TILL
05-02	7.8	0.8	7.0	267.8	241.8	26.0	8.1	17.9	0	NA						U	Y	Y	Y	B	B	TILL
06-02,03	14.3	0.3	14.0	211.0	172.7	38.3	17.2	21.1	8	353						U	Y	Y	Y	B	B	TILL
08-05,06	14.5	0.2	14.3	199.1	177.1	22.0	11.0	11.0	1	58						U	Y	Y	Y	B	B	TILL
-07,08	14.2	0.1	14.1	103.9	80.8	28.1	17.1	11.0	1	452						U	Y	Y	Y	GB	GB	TILL
10-03,04	14.1	0.1	14.0	100.8	77.4	23.4	10.1	13.3	0	NA						U	Y	Y	Y	B	B	TILL
-05,06	16.0	0.4	15.6	193.6	165.5	28.1	15.1	13.0	0	NA						U	Y	Y	Y	GB	GB	TILL
11-04,05	16.8	0.7	16.1	220.1	194.6	25.5	14.2	11.3	0	NA						U	Y	Y	Y	GB	GB	TILL
12-04	6.7	0.1	6.6	85.1	66.3	18.8	10.9	7.9	0	NA						U	Y	Y	Y	GB	GB	TILL
14-03,04	14.7	0.3	14.4	179.5	143.2	36.3	22.8	13.5	0	NA						U	Y	Y	Y	GB	GB	TILL
-05.06	16.7	0.4	16.3	162.9	131.9	31.0	18.2	12.8	1	159						U	Y	Y	Y	GB	GB	TILL
15-03,04	15.3	0.2	15.1	218.0	182.9	35.1	20.3	14.8	0	NA						U	Y	Y	Y	GB	GB	TILL
-05,06	16.2	0.3	15.9	128.8	98.0	30.8	18.9	11.9	0	NA						U	Y	Y	Y	GB	GB	TILL
19-2,3,4	21.9	0.4	21.5	217.4	194.0	23.4	13.8	9.6	0	NA						U	Y	Y	Y	GB	GB	TILL
-05	9.1	0.2	8.9	119.7	90.8	28.9	18.2	10.7	0	NA						U	Y	Y	Y	GY	GY	TILL
23-01,02	12.8	0.3	12.5	202.0	159.0	43.0	23.5	19.5	1	64						U	Y	Y	Y	B	B	TILL
-03	7.4	0.1	7.3	125.5	104.4	21.1	12.9	8.2	0	NA						U	Y	Y	Y	B	B	TILL
25-04,05	15.5	0.1	15.4	240.4	195.7	44.7	24.1	20.6	1	392						U	Y	Y	Y	B	B	TILL
-06,07	16.2	0.2	16.0	362.4	314.6	47.8	26.4	21.4	9	833						U	Y	Y	Y	B	B	TILL
32-02,03	16.9	0.5	16.4	362.2	314.6	47.6	30.4	17.2	1	49						U	Y	Y	Y	B	B	TILL
-04	8.1	0.1	8.0	119.5	93.0	26.5	16.7	9.8	0	NA						U	Y	Y	Y	B	B	TILL
41-04	4.5	0.8	3.7	66.4	51.8	14.6	7.1	7.5	0	NA						S	C	Y	N	B	B	GRAVEL
-05,06	14.2	0.8	13.4	155.2	109.3	45.9	31.4	14.5	0	NA						U	Y	Y	Y	B	B	TILL
-07,08	12.8	0.9	11.9	205.8	170.5	35.3	21.5	13.8	0	NA						U	Y	Y	Y	B	B	TILL
44-01,02	17.0	0.4	16.6	225.2	169.4	55.8	29.2	26.6	0	NA						U	Y	Y	Y	B	B	TILL
-03,04	16.1	0.3	15.8	187.2	155.2	32.0	19.5	12.5	0	NA						U	Y	Y	Y	B	B	TILL

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OVERBURDEN DRILLING MANAGEMENT LIMITED

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION									CLASS
						M. I. CONC					CLAST				MATRIX					
											SIZE	%						COLOR		
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB		V/S GR	LS	OT	S/U	SD	ST CY	SD	CY	
85-01,02	17.6	0.9	16.7	344.0	309.2	34.8	19.6	15.2	1	1452										
-03,04	17.0	0.3	16.7	139.4	85.5	53.9	33.6	20.3	4	86										
-05,06	17.7	0.2	17.5	316.5	289.6	26.9	14.4	12.5	0	NA										
-07	8.9	0.2	8.7	165.7	135.4	30.3	18.9	11.4	0	NA										
-08	8.4	0.7	7.7	279.9	248.5	31.4	18.0	13.4	1	213										
-09	8.5	0.7	7.8	314.2	265.9	48.3	29.9	18.4	0	NA										
92-03	8.8	0.3	8.5	219.1	198.6	20.5	10.5	10.0	1	96										
-04	8.9	0.1	8.8	197.4	163.6	33.8	18.3	15.5	0	NA										
-05	8.7	0.2	8.5	192.4	161.6	30.8	18.1	12.7	0	NA										
-06	8.4	0.2	8.2	186.6	155.0	31.6	17.8	13.8	0	NA										
-07	8.2	0.0	8.2	146.7	118.9	27.8	15.9	11.9	0	NA										
-08	9.0	0.6	8.4	217.2	186.9	30.3	17.4	12.9	1	1433										
-09	16.1	1.1	15.0	190.6	158.3	32.3	15.2	17.1	0	NA										
-10	9.2	1.9	7.3	299.4	284.5	14.9	7.3	7.6	0	NA										
-11	8.6	0.0	8.6	86.5	66.5	20.0	11.2	8.8	0	NA										
-12	7.7	0.2	7.5	196.5	172.9	23.6	13.0	10.6	1	1232										

MPEC4AUG.86

OVERBURDEN DRILLING MANAGEMENT LIMITED

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	%				S/U	SD	ST	CY	COLOR		
												V/S	GR	LS	OT					SD	CY	
122-01,02	15.5	0.4	15.1	218.6	197.0	21.6	11.5	10.1	1	56	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	7.4	0.3	7.1	212.7	173.6	39.1	14.9	24.2	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07	7.5	0.1	7.4	156.0	135.0	21.0	11.6	9.4	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
123-02,03	16.1	0.8	15.3	305.1	247.5	57.6	30.9	26.7	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05,06	13.8	1.1	12.7	392.9	345.4	47.5	29.5	18.0	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-07,08	15.1	1.8	13.3	322.4	257.1	65.3	37.4	27.9	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
125-02	6.8	0.6	6.2	137.0	114.8	22.2	12.0	10.2	0	NA	NA	NA	NA	NA	NA	S	C	Y	N	B	NA	SAND
126-01,02	13.3	0.1	13.2	146.5	113.8	32.7	19.4	13.3	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03	5.8	0.0	5.8	62.2	44.7	17.5	11.1	6.4	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-04	5.6	0.0	5.6	101.8	87.4	14.4	8.8	5.6	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	6.5	0.0	6.5	81.0	62.0	19.0	11.0	8.0	1	348	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06,07	17.1	0.0	17.1	262.4	196.1	66.3	42.9	23.4	5	31	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-09	7.1	0.0	7.1	183.0	168.2	14.8	9.4	5.4	0	NA	NA	NA	NA	NA	NA	S	F-M	Y	Y	B	B	SAND
-10	7.7	0.0	7.7	244.5	230.3	14.2	9.0	5.2	1	860	NA	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-12	7.3	0.1	7.2	128.8	100.0	28.8	16.8	12.0	1	89	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-13	7.8	0.4	7.4	161.4	132.4	29.0	16.3	12.7	6	1304	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GY	TILL
-14	7.6	0.3	7.3	172.0	147.5	24.5	12.5	12.0	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GY	TILL
-15	6.6	0.2	6.4	122.8	96.8	26.0	14.6	11.4	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GY	TILL
-16	7.0	0.6	6.4	140.4	109.4	31.0	21.7	9.3	5	555	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GY	TILL
-17	7.1	0.4	6.7	142.1	120.2	21.9	13.3	8.6	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GY	TILL

MPEC4AUG.86

OVERBURDEN DRILLING MANAGEMENT LIMITED

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	%				S/U	SD	ST	CY	COLOR		
												V/S	GR	LS	OT					SD	CY	
141-01	6.0	0.1	5.9	89.7	74.2	15.5	10.7	4.8	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-02	6.6	0.1	6.5	61.9	38.3	23.6	14.9	8.7	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-03	4.6	0.1	4.5	224.6	200.3	24.3	14.0	10.3	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	B	B	TILL
-04	7.8	0.6	7.2	108.0	78.8	29.2	16.6	12.6	6	1510	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-05	7.0	0.2	6.8	224.5	203.9	20.6	12.0	8.6	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-06	6.6	0.2	6.4	216.6	190.0	26.6	17.3	9.3	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
143-01,02	14.3	0.3	14.0	123.2	86.1	37.1	20.8	16.3	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-03,04	12.6	0.2	12.4	133.5	108.2	25.3	13.8	11.5	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	B	GB	TILL
-13	6.6	0.8	5.8	108.7	89.5	19.2	10.4	8.8	4	581	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-14	6.8	0.5	6.3	153.8	124.6	29.2	15.7	13.5	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-15	7.4	0.9	6.5	148.3	125.9	22.4	12.5	9.9	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
-16	6.5	0.7	5.8	109.8	76.6	33.2	17.3	15.9	0	NA	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL
144-01,02	15.4	0.5	14.9	394.8	247.0	147.8	81.2	66.6	6	768	NA	NA	NA	NA	NA	U	Y	Y	Y	GB	GB	TILL

MPHE1SEP.86

OVERBURDEN DRILLING MANAGEMENT LIMITED

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION									CLASS
						M. I. CONC					CLAST					MATRIX				
												%						COLOR		
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	CONC. TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	V/G	GR	LS	OT	S/U SD	ST CY	SD	CY	
EC-86																				
142-01	8.1	0.2	7.9	196.2	180.2	16.0	9.2	6.8	0	NA										
-02	6.2	0.0	6.2	209.1	186.0	23.1	14.5	8.6	1	340										
-03	5.7	0.0	5.7	138.3	119.7	18.6	12.2	6.4	1	1313										
144-03	7.5	0.6	6.9	270.4	250.7	19.7	10.2	9.5	0	NA										
-04	8.0	1.2	6.8	464.2	446.7	17.5	10.2	7.3	0	NA										
-04	6.6	0.8	5.8	212.1	195.5	16.6	9.0	7.6	1	236										
-06	6.2	0.6	5.6	275.9	266.6	9.3	5.0	4.3	0	NA										
-07	5.4	1.3	4.1	150.1	127.1	23.0	4.9	18.1	0	NA										

MPHE1SEP.86

OVERBURDEN DRILLING MANAGEMENT LIMITED

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	%				S/U	SD	ST	CY	COLOR		
												V/S	GR	LS	OT					SD	CY	
126-08	6.4	0.0	6.4	75.6	57.2	18.4	10.8	7.6	0	NA												
-11	7.8	0.4	7.4	125.4	104.6	20.8	12.9	7.9	4	436												
143-07,08	14.2	0.0	14.2	118.8	85.9	32.9	20.0	12.9	0	NA												
-09,10	14.1	0.0	14.1	131.8	89.9	41.9	26.0	15.9	0	NA												
-11,12	12.7	0.0	12.7	168.9	141.3	27.6	17.1	10.5	1	37												

MFHE3SEP.86

OVERBURDEN DRILLING MANAGEMENT LIMITED

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	CY	
170-01,02	23.9	0.8	23.1	210.2	154.1	56.1	30.8	25.3	0	NA												
-03,04	17.6	0.2	17.4	310.2	245.2	65.0	36.7	28.3	1	41												
-05	14.3	0.2	14.1	143.8	101.1	42.7	22.8	19.9	0	NA												
-06	8.9	0.1	8.8	127.5	104.5	23.0	12.6	10.4	0	NA												
-07	6.5	0.1	6.4	154.6	131.6	23.0	13.2	9.8	0	NA												
-08	4.8	0.0	4.8	133.8	116.9	16.9	10.6	6.3	0	NA												
-09	9.7	0.2	9.5	153.1	119.1	34.0	19.7	14.3	0	NA												
-10	9.9	0.2	9.7	268.3	227.3	41.0	22.9	18.1	0	NA												
171-01,02	19.4	0.4	19.0	229.1	159.4	68.7	38.9	29.8	1	10												
-03,04	27.1	0.4	26.7	227.9	168.8	59.1	34.2	24.9	9	208												
-05,06	19.3	0.1	19.2	347.9	295.4	52.5	35.5	17.0	1	11												
-07,08,09	28.2	0.2	28.0	467.0	391.3	75.7	53.1	22.6	3	61												
171-10,11	19.2	0.2	19.0	277.5	243.5	34.0	22.4	11.6	1	29												
-12,13	18.6	0.2	18.4	310.2	260.1	50.1	33.3	16.8	0	NA												
-14,15,16	26.9	0.8	26.1	271.2	205.0	66.2	41.0	25.2	1	189												
-17,18	17.2	0.3	16.9	345.4	300.9	44.5	24.1	20.4	0	NA												
-19	9.2	0.1	9.1	221.1	201.0	20.1	10.9	9.2	0	NA												
-20	10.0	0.2	9.8	208.9	174.8	34.1	19.5	14.6	0	NA												
-21	10.0	0.1	9.9	177.4	142.9	34.5	20.0	14.5	0	NA												
-22	4.2	0.2	4.0	130.2	115.2	15.0	8.1	6.9	0	NA												
172-01	2.3	0.2	2.1	117.7	109.7	8.0	4.5	3.5	0	NA												
-02	7.8	0.2	7.6	147.0	112.3	34.7	19.6	15.1	0	NA												
-03	9.0	0.2	8.8	325.8	167.8	158.0	82.9	75.1	22	493												
174-1,2,3	27.9	0.0	27.9	308.5	231.7	76.8	52.3	24.5	1	4												
-04	3.4	0.0	3.4	126.4	113.5	12.9	7.7	5.2	0	NA												
-05,06	20.0	0.6	19.4	467.0	359.4	107.6	56.9	50.7	1	5777												
-07	8.0	0.0	8.0	123.0	97.5	25.5	17.3	8.2	0	NA												
-08	8.1	0.1	8.0	79.0	70.6	8.4	4.5	3.9	0	NA												
-09	8.6	0.1	8.5	57.8	53.3	4.5	2.0	2.5	0	NA												
-10	8.2	2.1	6.1	78.3	59.2	19.1	10.4	8.7	0	NA												
175-01	8.6	0.1	8.5	90.5	56.7	33.8	19.3	14.5	0	NA												
-02,03	16.9	0.2	16.7	187.4	140.9	46.5	23.6	22.9	5	1481												
-04,05	17.6	0.0	17.6	169.4	117.8	51.6	29.1	22.5	0	NA												
-06,07,08	25.6	0.2	25.4	379.8	300.5	79.3	40.7	38.6	8	217												
-09	8.5	0.1	8.4	149.7	126.3	23.4	11.7	11.7	1	327												

MPHE7SEP.86

OVERBURDEN DRILLING MANAGEMENT LIMITED

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	%				S/U	SD	ST	CY	COLOR		
												V/S	GR	LS	OT					SD	CY	
EC-86																						
-12	6.7	0.0	6.7	203.3	184.5	18.8	12.1	6.7	0	NA												
-13	8.6	0.0	8.6	173.6	142.4	31.2	19.4	11.8	0	NA												
-14	7.5	0.0	7.5	176.6	168.5	8.1	4.5	3.6	0	NA												
-15	4.0	0.0	4.0	97.4	87.0	10.4	6.7	3.7	1	1155												
176-01.02	16.0	0.4	15.6	289.0	223.5	65.5	33.8	31.7	8	3371												
-03,04,05	23.8	0.2	23.6	163.3	83.7	79.6	44.5	35.1	0	NA												
-06.07	14.6	0.2	14.4	135.5	93.0	42.5	22.2	20.3	0	NA												
-08	7.6	0.0	7.6	102.0	75.5	26.5	16.9	9.6	0	NA												
-09	6.0	0.0	6.0	230.7	228.0	2.7	1.4	1.3	0	NA												
-10	6.4	0.1	6.3	87.3	60.0	27.3	17.8	9.5	0	NA												
-11	7.2	0.1	7.1	81.5	60.0	21.5	14.2	7.3	0	NA												
-12	8.1	0.1	8.0	136.3	104.8	31.5	19.7	11.8	0	NA												
-13	4.0	0.1	3.9	97.9	84.7	13.2	8.2	5.0	0	NA												
177-01,02	7.8	0.1	7.7	145.6	120.0	25.6	20.9	4.7	1	650												
-03,04,05	17.4	0.4	17.0	226.6	163.6	63.0	38.2	24.8	1	653												
-06	7.2	0.1	7.1	129.6	95.5	34.1	24.3	9.8	0	NA												
-07	7.9	0.1	7.8	122.5	82.9	39.6	16.2	23.4	0	NA												
-08	8.1	0.0	8.1	141.1	103.5	37.6	23.9	13.7	0	NA												
-09,10	16.7	0.2	16.5	226.6	173.0	53.6	26.9	26.7	0	NA												
-11.12	15.7	0.3	15.4	220.5	163.3	57.2	31.6	25.6	1	67												
-13	4.8	0.0	4.8	126.2	104.3	21.9	14.3	7.6	1	797												
-14	5.5	0.1	5.4	191.8	168.8	23.0	14.2	8.8	0	NA												
-15	7.9	0.2	7.7	232.8	192.3	40.5	25.9	14.6	0	NA												
-16	12.8	0.6	12.2	320.3	232.7	87.6	67.8	19.8	2	99935												
-17	6.4	0.3	6.1	263.7	208.3	55.4	47.5	7.9	1	81												
178-01,02	12.1	0.0	12.1	164.0	119.9	44.1	27.3	16.8	0	NA												
-03	5.7	0.0	5.7	75.9	58.0	17.9	12.6	5.3	0	NA												
-04,05	16.7	0.4	16.3	64.7	40.6	24.1	15.9	8.2	0	NA												
-06	7.3	0.1	7.2	113.1	91.7	21.4	15.1	6.3	0	NA												
-07,08	15.2	0.8	14.4	228.2	158.8	69.4	45.8	23.6	0	NA												
-09,10	8.3	0.2	8.1	131.4	102.2	29.2	19.3	9.9	0	NA												
-11	4.0	0.0	4.0	76.4	60.8	15.6	10.9	4.7	0	NA												
-12	3.4	0.0	3.4	88.8	78.6	10.2	7.4	2.8	0	NA												
-13	5.5	0.1	5.4	70.0	45.6	24.4	15.9	8.5	0	NA												
-14	6.3	0.1	6.2	105.4	74.2	31.2	23.0	8.2	0	NA												
179-01	5.9	0.0	5.9	71.2	54.2	17.0	12.8	4.2	0	NA												
-02	6.7	0.1	6.6	54.2	39.1	15.1	10.7	4.4	0	NA												
180-01	7.6	0.2	7.4	120.7	63.8	56.9	31.3	25.6	0	NA												
-02	8.2	0.3	7.9	136.0	102.0	34.0	19.1	14.9	0	NA												
-03	5.9	0.1	5.8	170.4	126.0	44.4	26.3	18.1	0	NA												

```
GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

mphel.jun.86                          NUMBER OF GRAINS                                         BAR

                                      ABRADED   IRREGULAR  DELICATE      NON    CALC V.G.
SAMPLE # PANNED                       ========  =========  ========      MAG      ASSAY
          Y/N    DIAMETER   THICKNESS    T    P    T    P    T    P TOTAL GMS      PPB    REMARKS

EC-86
  01-02    N   NO VISIBLE GOLD

    -03    N      75 X   75       15 C    1                               1
                                                                      _____________________
                                                                TOTAL    1  28.8        22

  02-02    N   NO VISIBLE GOLD

    -03    Y   NO VISIBLE GOLD                                                             EST:  15% PYRITE

  04-01    N   NO VISIBLE-GOLD

  05-01    N     125 X  250       36 C    1                               1
                                                                      _____________________
                                                                TOTAL    1    7.5     1261

  06-04    N   NO VISIBLE GOLD

  07-01    N   NO VISIBLE GOLD

  09-03    N   NO VISIBLE GOLD

    -06    N   NO VISIBLE GOLD

  10-02    N   NO VISIBLE GOLD

  11-01    N   NO VISIBLE GOLD

    -02    N       75 X  100      18 C    1                               1
                                                                      _____________________
                                                                TOTAL    1   24.1       42

    -03    N   NO VISIBLE GOLD

    -06    N   NO VISIBLE GOLD

  12-05    N   NO VISIBLE GOLD

  13-07    N   NO VISIBLE GOLD

  14-09    Y   NO VISIBLE GOLD                                                             EST: 15% PYRITE
                                                                                                200 GRAINS ARSENOPYRITE (FINE)
                                                                                                1 GRAIN COPPER (75X75)
                                                                                                (IRREGULAR)


    -10    N   NO VISIBLE GOLD
```

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

BAR

mphel jun.86 NUMBER OF GRAINS

SAMPLE #	PANNED	DIAMETER	THICKNESS	ABBRADED		IRREGULAR		DELICATE			NON MAG	CALC V.G. ASSAY	
	Y/N			T	P	T	P	T	P	TOTAL	GMS	PPB	REMARKS
EC-86													
15-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
16-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
17-01	N	NO VISIBLE GOLD											
18-01	N	NO VISIBLE GOLD											
19-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
20-07	N	NO VISIBLE GOLD											
-08	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
21-03	N	NO VISIBLE GOLD											
22-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
23-04	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
24-02	N	125 X 200	31 C	1						1			
									TOTAL	1	18.6	335	
25-08	N	NO VISIBLE GOLD											
-09	N	NO VISIBLE GOLD											

```
GOLD CLASSIFICATION
==================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING                                                 BAR

mphel jun.86                          NUMBER OF GRAINS

                                      ABBRADED  IRREGULAR  DELICATE       NON    CALC V.G.
SAMPLE # PANNED                       ========  =========  ========       MAG      ASSAY
         Y/N    DIAMETER   THICKNESS   T    P    T    P    T    P TOTAL GMS       PPB    REMARKS

EC-86
   -10    N   NO VISIBLE GOLD

  26-01   N   NO VISIBLE GOLD

  27-02   N   NO VISIBLE GOLD

  28-02   N   NO VISIBLE GOLD

  29-02   N   NO VISIBLE GOLD

  31-02   Y     125 X  175      29 C   1                           1                    EST:  10% PYRITE
                175 X  250      40 C   1                           1                          175X250 GRAIN TARNISHED
                                                                 ______________________
                                                          TOTAL    2    19.1        970

   -03    N   NO VISIBLE GOLD

  32-05   N   NO VISIBLE GOLD

   -06    N   NO VISIBLE GOLD

   -07    N     100 X  150      25 C   1                           1
                                                                 ______________________
                                                          TOTAL    1    19.8        146

   -08    Y      75 X  100      18 C   1                           1                    EST:  15% PYRITE
                                                                 ______________________       1000 GRAINS ARSENOPYRITE
                                                          TOTAL    1    13.2         77       36 COPPER GRAINS SIZE RANGE
                                                                                              (50X50 TO 100X100)
                                                                                              SUSPECT CONTAMINATION
                                                                                              PHOTO REF #113


  33-02   N   NO VISIBLE GOLD

  33-03   N   NO VISIBLE GOLD

  34-03   N      50 X   75      13 C   1                           1
                                                                 ______________________
                                                          TOTAL    1    18.6         20

  35-02   N      50 X   50      10 C   1                           1
                                                                 ______________________
                                                          TOTAL    1    15.8         12

   -03    Y      50 X   50      10 C   1                           1                    EST:35% PYRITE (MOST IN ROCK CHIPS)
                 75 X  100      18 C   1                           1                        300 GRAINS ARSENOPYRITE (FINE)
```

```
GOLD CLASSIFICATION
===================                                                       BAR
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

mphel jun.86                      NUMBER OF GRAINS

                                  ABBRADED  IRREGULAR  DELICATE      NON   CALC V.G.
SAMPLE # PANNED                   ========  =========  ========      MAG    ASSAY
         Y/N    DIAMETER  THICKNESS  T    P    T    P    T    P TOTAL GMS     PPB    REMARKS

EC-86
                100 X  175    27 C                             1    1                PHOTO REF #113
                                                                 ________________
                                                          TOTAL  3   31.5     160

  36-02   N     150 X  250   150 M   1                              1
                                                                 ________________
                                                          TOTAL  1   30.3    1485

  37-02   Y      25 X   25     5 C   1                              1                EST: 10% PYRITE
                 50 X   50    10 C   1                              1                     200 GRAINS ARSENOPYRITE (FINE)
                 75 X   75    15 C   1    1                         2                     6 COARSE GRAINS
                                                                 ________________
                                                          TOTAL  4   19.3      78

    -03   N      50 X   50    10 C   1                              1
                                                                 ________________
                                                          TOTAL  1   23.8       8

  38-03   N     100 X  125    22 C   1                              1
                                                                 ________________
                                                          TOTAL  1   27.4      77

  39-05   N   NO VISIBLE GOLD

    -06   Y      50 X   75    13 C   1                              1                EST: 5% PYRITE
                 75 X  150    22 C   1                              1                     100 GRAINS ARSENOPYRITE (FINE)
                                                                 ________________
                                                          TOTAL  2   23.8     105

  40-14   N   NO VISIBLE GOLD

    -22   Y      75 X  125    20 C   1                              1                EST:50% PYRITE (MOST IN ROCK CHIPS)
                                                                 ________________       150 GRAINS ARSENOPYRITE (FINE)
                                                          TOTAL  1   54.2      28

  41-22   N   NO VISIBLE GOLD

  42-04   N   NO VISIBLE GOLD

    -14   N      50 X   75    13 C   1                              1
                                                                 ________________
                                                          TOTAL  1   18.7      20

  43-07   Y      50 X   75    13 C   1                              1                EST: 2% PYRITE
                 50 X  125    18 C        1                         1                     750 GRAINS ARSENOPYRITE (FINE)
                100 X  125    22 C   1                              1
                                                                 ________________
```

BAR

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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

mphe1jun.86                        NUMBER OF GRAINS

                                   ABBRADED  IRREGULAR  DELICATE      NON    CALC V.G.
SAMPLE # PANNED                    ========  =========  ========      MAG     ASSAY
        Y/N   DIAMETER  THICKNESS   T    P    T    P     T    P TOTAL GMS      PPB    REMARKS

EC-86
                                                         TOTAL   3   20.6      170

  44-05  N   NO VISIBLE GOLD

  45-10  N   NO VISIBLE GOLD

    -11  N    200 X  200     38 C   1                            1
                                                               ______________________
                                                         TOTAL   1   29.9      381

    -12  N   NO VISIBLE GOLD

  47-02  Y     25 X   50      8 C        1                       1                   EST: 2% PYRITE
               25 X   75     10 C        1                       1                        750 GRAINS ARSENOPYRITE (FINE)
              100 X  150     25 C   1                            1
              150 X  150     29 C   1                            1
                                                               ______________________
                                                         TOTAL   4   17.8      455
```

BAR

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  46-05  Y     25 X   25      5 C        2                 1     3                   EST: 95% PYRITE
              100 X  150     25 C                     1          1                        100 GRAINS ARSENOPYRITE
                                                               ______________________ PHOTO REF #113
                                                         TOTAL   4  142.4       21
```

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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MFHE2JUN.86                              NUMBER OF GRAINS

                                         ABBRADED  IRREGULAR  DELICATE      NON    CALC V.G.
SAMPLE #  PANNED                         ========  =========  ========      MAG      ASSAY
           Y/N    DIAMETER   THICKNESS    T    P    T    P    T     P TOTAL GMS      PPB    REMARKS

EC-86
   01-01   N    NO VISIBLE GOLD

   02-01   N    NO VISIBLE GOLD

   08-01   N     125 X  175      29 C    1                              1

                                                               TOTAL    1    8.7      567

     -02   N    NO VISIBLE GOLD

   09-04   N    NO VISIBLE GOLD

     -05   N    NO VISIBLE GOLD

   10-01   N    NO VISIBLE GOLD

     -07   N      50 X  100      15 C    1                              1

                                                               TOTAL    1    7.8       82

   13-01   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

   14-01   N    NO VISIBLE GOLD

     -02   N    NO VISIBLE GOLD

     -07   N    NO VISIBLE GOLD

     -08   N     100 X  100      20 C    1                              1

                                                               TOTAL    1   23.0       65

     -11   N    NO VISIBLE GOLD

   16-01   N      75 X   75      15 C    1                              1

                                                               TOTAL    1   17.0       38
```

BAR

BAR

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GOLD CLASSIFICATION
==================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE2JUN.86                                NUMBER OF GRAINS

                                           ABBRADED  IRREGULAR  DELICATE       NON    CALC V.G.
SAMPLE #  PANNED                           ========  =========  ========       MAG      ASSAY
          Y/N    DIAMETER     THICKNESS     T    P    T     P     T     P TOTAL GMS      PPB    REMARKS

EC-86

    -02    Y       25 X  25       5 C            1                          1                  EST: 2% PYRITE
                   25 X  50       8 C            1                          1
                   50 X 100      15 C       1                               1
                   75 X 100      18 C       1                               1
                  125 X 200      31 C       1                               1
                                                                      ____________________
                                                                TOTAL   5   17.1       467

   19-01   N    NO VISIBLE GOLD

   20-01   N    NO VISIBLE GOLD

     -02   N    NO VISIBLE GOLD

     -03   N    NO VISIBLE GOLD

     -05   N      300 X 575      73 C       1                               1
                                                                      ____________________
                                                                TOTAL   1   14.7      7103

     -06   N    NO VISIBLE GOLD

   21-01   N    NO VISIBLE GOLD

     -02   N      100 X 150      25 C       1                               1
                                                                      ____________________
                                                                TOTAL   1   20.7       140

   22-01   N    NO VISIBLE GOLD

     -02   N    NO VISIBLE GOLD

     -05   N    NO VISIBLE GOLD

   24-01   Y       50 X  50      10 C            2                          2                  NO SULPHIDES
                   50 X 125      18 C            1                          1
                  100 X 200      29 C       1                               1
                  200 X 200      38 C       1                               1
                                                                      ____________________
                                                                TOTAL   5   21.6       821

   25-01   N    NO VISIBLE GOLD

     -02   N    NO VISIBLE GOLD

     -03   N    NO VISIBLE GOLD
```

BAR

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MFHE2JUN.86

NUMBER OF GRAINS

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABBRADED T	ABBRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
EC-86													
27-01	N	NO VISIBLE GOLD											
28-01	N	100 X 100	20 C	1						1			
									TOTAL	1	12.4	121	
29-01	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					2			
		125 X 150	27 C	1						1			
		325 X 450	66 C	1						1			
									TOTAL	6	18.5	4302	
31-01	N	NO VISIBLE GOLD											
33-01	N	NO VISIBLE GOLD											
34-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
35-01	N	NO VISIBLE GOLD											
36-01	N	NO VISIBLE GOLD											
37-01	N	100 X 100	20 C	1						1			
									TOTAL	1	9.1	165	
38-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
40-01	N	NO VISIBLE GOLD											
-04(2)	N	275 X 650	76 C	1						1			
									TOTAL	1	17.3	7023	
-06(1)	N	NO VISIBLE GOLD											
-02	N	50 X 50	10 C	1						1			
									TOTAL	1	8.8	22	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE2JUN.86

BAR

				NUMBER OF GRAINS									
				ABRADED		IRREGULAR		DELICATE			NON	CALC V.G.	
SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	T	P	T	P	T	P	TOTAL	MAG GMS	ASSAY PPB	REMARKS
EC-86													
-03	N	NO VISIBLE GOLD											
-04(1)	N	NO VISIBLE GOLD											
40-05	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

mph11jul.86 NUMBER OF GRAINS

BAR

SAMPLE #	PANNED			ABBRADED		IRREGULAR		DELICATE			NON	CALC V.G.	
	Y/N	DIAMETER	THICKNESS	T	P	T	P	T	P	TOTAL	MAG GMS	ASSAY PPB	REMARKS
EC-86													
40-06(2)	N	NO VISIBLE GOLD											
-07	N	75 X 100	18 C	1						1			
									TOTAL	1	19.0	53	
-08	Y	25 X 25	5 C		3					3			EST: 2% PYRITE
		25 X 50	8 C		2					2			20 GRAINS ARSENOPYRITE (FINE)
		25 X 75	10 C		1					1			
		50 X 50	10 C		1					1			
		50 X 200	25 C	1						1			
		200 X 350	50 C	1						1			
									TOTAL	9	16.6	1926	
-09	Y	25 X 25	5 C		4					4			EST: 5% PYRITE
		25 X 50	8 C		1					1			
		25 X 75	10 C		1					1			
		125 X 150	27 C	1						1			
		150 X 175	31 C	1						1			
									TOTAL	8	21.3	490	
-10	N	NO VISIBLE GOLD											
-11	N	75 X 150	22 C	1						1			
									TOTAL	1	25.7	83	
-12	N	NO VISIBLE GOLD											
-13	N	100 X 100	20 C	1						1			
									TOTAL	1	15.6	96	
-15	N	NO VISIBLE GOLD											
-16	N	150 X 200	34 C	1						1			
									TOTAL	1	14.8	523	
-17	N	NO VISIBLE GOLD											
-18	Y	25 X 25	5 C		1					1			EST: 5% PYRITE
		50 X 75	13 C		1					1			100 GRAINS ARSENOPYRITE
													2 GRAINS GALENA
									TOTAL	2	11.1	36	

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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

mph11jul.86                           NUMBER OF GRAINS

                                      ABBRADED  IRREGULAR  DELICATE       NON    CALC V.G.
SAMPLE # PANNED                       ========  =========  ========       MAG     ASSAY
          Y/N    DIAMETER   THICKNESS    T    P    T    P    T    P TOTAL GMS      PPB    REMARKS

EC-86                                                                                                   BAR

    -19    N   NO VISIBLE GOLD

    -20    N     150 X  300      42 C    1                              1
                                                                      --------------------
                                                                TOTAL    1    18.6      861

    -21    N   NO VISIBLE GOLD

  41-01    N   NO VISIBLE GOLD

    -02    N     275 X  325      54 C    1                              1
                                                                      --------------------
                                                                TOTAL    1     4.0     9113

    -03    N   NO VISIBLE GOLD

    -09    N   NO VISIBLE GOLD

    -10    N   NO VISIBLE GOLD

    -11    N   NO VISIBLE GOLD

  42-01    N   NO VISIBLE GOLD

    -02    N     250 X  425      59 C    1                              1
                                                                      --------------------
                                                                TOTAL    1    18.1     2808

    -03    N   NO VISIBLE GOLD

    -05    N       75 X  150     22 C    1                              1
                                                                      --------------------
                                                                TOTAL    1    11.9      178

    -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
```

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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

mpn11jul.86                       NUMBER OF GRAINS

                                  ABBRADED  IRREGULAR  DELICATE       NON    CALC V.G.
SAMPLE # PANNED                   ========  =========  ========       MAG     ASSAY
        Y/N    DIAMETER  THICKNESS   T    P    T    P    T    P TOTAL GMS      PPB    REMARKS

EC-86
  42-11   N   NO VISIBLE GOLD

    -12   N   NO VISIBLE GOLD

    -13   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

  45-01   N   NO VISIBLE GOLD

    -02   N   NO VISIBLE GOLD

    -03   Y     25 X  25       5 C        1                    1                  EST: 10% PYRITE
                25 X  50       8 C        1                    1                       150 GRAINS ARSENOPYRITE (FINE)
                50 X 100      15 C   1                         1
                75 X 125      20 C   1                         1
                                                           ---------------------
                                                     TOTAL     4   28.4       79

    -04   Y     75 X 100      18 C   1                         1                  EST: 10% PYRITE
               100 X 125      22 C   1                         1                       100 GRAINS ARSENOPYRITE (FINE)
                                                           ---------------------
                                                     TOTAL     2   17.8      176

    -05   N    150 X 150      29 C   1                         1
                                                           ---------------------
                                                     TOTAL     1   22.0      224

    -06   N    200 X 200      38 C   1                         1
                                                           ---------------------
                                                     TOTAL     1   17.3      659

    -07   N   NO VISIBLE GOLD

    -08   N   NO VISIBLE GOLD

    -09   N   NO VISIBLE GOLD
```

BAR

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GOLD CLASSIFICATION
==================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

mph11jul.86                        NUMBER OF GRAINS

                                   ABRADED  IRREGULAR  DELICATE      NON    CALC V.G.
SAMPLE # PANNED                    ========  =========  ========      MAG     ASSAY
         Y/N    DIAMETER   THICKNESS   T    P    T    P    T    P TOTAL GMS      PPB    REMARKS

EC-86

  46-01   N   NO VISIBLE GOLD

    -02   N   NO VISIBLE GOLD

    -03   N     200 X  200      38 C           1                   1
                                                                ___________________
                                                          TOTAL     1   17.3        659

    -04   N   NO VISIBLE GOLD

  47-01   N   NO VISIBLE GOLD
```

BAR

```
GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE1AUG.86                            NUMBER OF GRAINS

                                       ABBRADED  IRREGULAR  DELICATE       NON    CALC V.G.
SAMPLE #  PANNED                       ========  =========  ========       MAG     ASSAY
           Y/N    DIAMETER   THICKNESS   T    P    T    P    T    P TOTAL GMS      PPB    REMARKS

EC-86
30-01.02    N   NO VISIBLE GOLD                                                                         BAR

  -03,04    N   NO VISIBLE GOLD

  -05,06    N   NO VISIBLE GOLD

     -07    N     100 X 150       25 C     1                              1
                                                                      -------------------
                                                                TOTAL     1  27.0     107

   05-02    N   NO VISIBLE GOLD

06-02,03    Y      25 X  25        5 C          1                         1                EST: 5% PYRITE
                   25 X  50        8 C          1                         1
                   50 X  50       10 C          3                         3
                   50 X  75       13 C          1                         1
                  100 X 125       22 C     1                              1
                  100 X 150       25 C     1                              1
                                                                      -------------------
                                                                TOTAL     8  17.2     353

08-05.06    N      75 X  75       15 C     1                              1
                                                                      -------------------
                                                                TOTAL     1  11.0      58

  -07.08    N     125 X 225       34 C     1                              1
                                                                      -------------------
                                                                TOTAL     1  17.1     452

10-03,04    N   NO VISIBLE GOLD

  -05,06    N   NO VISIBLE GOLD

11-04,05    N   NO VISIBLE GOLD

   12-04    N   NO VISIBLE GOLD

14-03,04    N   NO VISIBLE GOLD

  -05,06    N     125 X 125       25 C     1                              1
                                                                      -------------------
                                                                TOTAL     1  18.2     159

15-03,04    N   NO VISIBLE GOLD

  -05,06    N   NO VISIBLE GOLD
```

GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MFHE1AUG.86 NUMBER OF GRAINS

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED		IRREGULAR		DELICATE		TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
				T	P	T	P	T	P				
EC-86													
19-2,3,4	N	NO VISIBLE GOLD											
-05	N	NO VISIBLE GOLD											
23-01,02	N	100 X 100	20 C	1						1			BAR
									TOTAL	1	23.5	64	
-03	N	NO VISIBLE GOLD											
25-04,05	N	150 X 225	36 C	1						1			
									TOTAL	1	24.1	392	
-06,07	Y	25 X 25	5 C		3					3			EST: 5% PYRITE
		25 X 50	8 C		1					1			50 GRAINS ARSENOPYRITE (FINE)
		50 X 50	10 C				1			1			PHOTO REF #126
		75 X 100	18 C		1					1			
		75 X 125	20 C		1					1			
		175 X 175	34 C	1						1			
		175 X 225	38 C	1						1			
									TOTAL	9	26.4	833	
32-02,03	N	100 X 100	20 C	1						1			
									TOTAL	1	30.4	49	
-04	N	NO VISIBLE GOLD											
41-04	N	NO VISIBLE GOLD											
-05,06	N	NO VISIBLE GOLD											
-07,08	N	NO VISIBLE GOLD											
44-01,02	N	NO VISIBLE GOLD											
-03,04	N	NO VISIBLE GOLD											

```
GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE2AUG.86                            NUMBER OF GRAINS

                                       ABBRADED   IRREGULAR  DELICATE       NON    CALC V.G.
SAMPLE #  PANNED                       ========   =========  ========       MAG      ASSAY
           Y/N    DIAMETER   THICKNESS     T    P    T    P    T    P TOTAL GMS      PPB    REMARKS

 85-01,02    N     175 X  375      50 C    1                               1                     BAP
                                                                        --------------------
                                                                 TOTAL     1  19.6      1452

   -03,04    Y      50 X   75      13 C    2                               2                EST: 2% PYRITE
                    75 X   75      15 C         1                          1
                   100 X  100      20 C         1                          1
                                                                        --------------------
                                                                 TOTAL     4  33.6        86

   -05,06    N   NO VISIBLE GOLD

      -07    N   NO VISIBLE GOLD

      -08    N     100 X  175      27 C              1                     1
                                                                        --------------------
                                                                 TOTAL     1  18.0       213

      -09    N   NO VISIBLE GOLD
```

```
GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE2AUG.86                             NUMBER OF GRAINS

                                        ABBRADED  IRREGULAR  DELICATE       NON    CALC V.G.
SAMPLE #  PANNED                        ========  =========  ========       MAG      ASSAY
           Y/N    DIAMETER   THICKNESS    T    P    T    P    T    P TOTAL GMS       PPB    REMARKS

EC-66
   92-03    N      50 X  125      18 C              1                    1
                                                                       _________________
                                                            TOTAL    1   10.5        96

     -04    N   NO VISIBLE GOLD

     -05    N   NO VISIBLE GOLD

     -06    N   NO VISIBLE GOLD

     -07    N   NO VISIBLE GOLD

     -08    N     150 X  375      48 C              1                    1
                                                                       _________________
                                                            TOTAL    1   17.4      1433

     -09    N   NO VISIBLE GOLD

     -10    N   NO VISIBLE GOLD

     -11    N   NO VISIBLE GOLD

     -12    N     200 X  250      42 C    1                              1
                                                                       _________________
                                                            TOTAL    1   13.0      1232        BNK
```

92 -14	-	5% py, anhed & marc.fram, 1:20 arseno:py, 1mm mass py frags	EAR

83-02	-	<2% py, anhedral to euhedral	70% hematite
84-01	-	10% py, anhedral to euhedral cubes to 1mm	40% hematite
85-14	-	5% py, anhedral	40% hematite
87 -02	450x250x150 simple, pitted grain	5% py, anhedral, 1:20 arseno:py	30% hematite
87-03	-	2% py, anhedral	30% hematite

BAR

87-04	-	5% py, anhedral trace marcasite	35% hematite
88-01			
88 -05(i)	-	5% py, anhedral 1:20 arseno:py, good rhombs	50% hematite
88-05(ii)	-	as above	50% hematite
89-03	-	<2% py, anhedral to euhedral	40% hematite
90 -07	-	60% py, anhedral, trace arsenopy	20% hematite
91 -09	560x300x25 simple, pitted flake	20% py, anhedral, marcasite framb, 1:30 arseno:py, trace chalcopy	40% hematite
92-13	-	5% py, anhedral, trace marcasite	25% hematite
92 -14	-	5% py, anhedral, massive sulphide, 1:20 arseno:py, trace marcasite	25% hematite

BAR

GOLD CLASSIFICATION
==================

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPEC4AUG.86 NUMBER OF GRAINS

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABBRADED T	ABBRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
													NR
122-01,02	N	50 X 100	15 C	1						1			BAR
									TOTAL	1	11.5	56	
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											
123-02,03	N	NO VISIBLE GOLD											
-05,06	N	NO VISIBLE GOLD											
-07,08	N	NO VISIBLE GOLD											
125-02	N	NO VISIBLE GOLD											
126-01,02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	125 X 150	27 C	1						1			
									TOTAL	1	11.0	348	
-06,07	Y	25 X 25	5 C		1					1			30 GRAINS PYRITE
		50 X 50	10 C		1					1			
		50 X 75	13 C	1	1			1		3			

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPEC4AUG.86 NUMBER OF GRAINS

SAMPLE #	PANNED			ABBRADED		IRREGULAR		DELICATE			NON MAG	CALC V.G. ASSAY	
	Y/N	DIAMETER	THICKNESS	T	P	T	P	T	P	TOTAL	GMS	PPB	REMARKS
EC-86													
									TOTAL	5	42.9	31	
-09	N	NO VISIBLE GOLD											
-10	N	150 X 200	34 C	1						1			
									TOTAL	1	9.0	860	
-12	N	100 X 100	20 C	1						1			
									TOTAL	1	16.8	89	
-13	Y	50 X 75	13 C		1					1			EST. 10% PYRITE
		75 X 100	18 C		1					1			20 GRAINS ARSENOPYRITE
		75 X 125	20 C		1					1			
		75 X 175	25 C	1						1			
		125 X 225	34 C	1						1			
		125 X 225	34 C	1						1			
									TOTAL	6	16.3	1304	
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											
-16	Y	25 X 50	8 C				1			1			EST. 15% PYRITE
		50 X 75	13 C						1	1			
		75 X 75	15 C	1						1			
		75 X 125	20 C				1			1			
		125 X 250	36 C	1						1			
									TOTAL	5	21.7	555	BAR
-17	N	NO VISIBLE GOLD											
126-08	N	NO VISIBLE GOLD											
-11	Y	50 X 75	13 C		1					1			EST. 30 GRAINS PYRITE

7

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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPEC4AUG.86                             NUMBER OF GRAINS

                                        ABBRADED  IRREGULAR  DELICATE       NON    CALC V.G.
SAMPLE #   PANNED                       ========  =========  ========       MAG      ASSAY
            Y/N    DIAMETER   THICKNESS    T    P    T    P    T    P TOTAL GMS      PPB   REMARKS

    EC-86
                                                                 TOTAL    1   12.3      173

   130-01    N      100 X  100      20 C   1                              1
                                                                       --------------------
                                                                 TOTAL    1   18.2       82

   131-01    N   NO VISIBLE GOLD

      -02    N   NO VISIBLE GOLD

      -03    N   NO VISIBLE GOLD

   -04,05    N      100 X  150      25 C   1                              1
                                                                       --------------------
                                                                 TOTAL    1   26.9      108

   132-01    N   NO VISIBLE GOLD

      -02    Y       25 X   50       8 C                  2               2                 EST. 15% PYRITE
                                                                       --------------------      1 GRAIN GALENA
                                                                 TOTAL    2    8.2       20

      -03    N   NO VISIBLE GOLD

      -04    N   NO VISIBLE GOLD

      -05    N   NO VISIBLE GOLD

   133-01    Y       50 X   75      13 C   1    1                         2                 EST. 7% PYRITE
                     75 X  100      18 C   2                              2                      25 GRAINS ARSENOPYRITE (FINE)
                    175 X  250      40 C             1                    1
                                                                       --------------------
                                                                 TOTAL    5   20.6      794

   -02,03    N      200 X  300      46 C   1                              1
                                                                       --------------------
                                                                 TOTAL    1   20.5     1058

      -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
```

GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPEC4AUG.86 NUMBER OF GRAINS

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABBRADED T	ABBRADED P	IRREGULAR T	IRREGULAR P	DELICATE T	DELICATE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
EC-86													
134-01	N	NO VISIBLE GOLD											
135-01	N	125 X 175	29 C	1						1			
									TOTAL	1	15.1	327	
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	N	75 X 100	18 C	1						1			
									TOTAL	1	7.8	130	
-05	N	100 X 100	20 C			1				1			
									TOTAL	1	3.8	395	
136-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	N	75 X 75	15 C	1						1			
									TOTAL	1	13.5	47	
-04	N	125 X 200	31 C	1						1			
									TOTAL	1	14.7	424	
-5.00	N	NO VISIBLE GOLD											
137-01	N	NO VISIBLE GOLD											
-02	N	175 X 250	40 C	1						1			
									TOTAL	1	12.6	1078	
-03	N	NO VISIBLE GOLD											
-04	N	NO VISIBLE GOLD											
-05	N	150 X 150	29 C	1						1			
									TOTAL	1	8.4	588	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPEC4AUG.86 NUMBER OF GRAINS

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABBRADED		IRREGULAR		DELICATE		TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
				T	P	T	P	T	P				
141-01	N	NO VISIBLE GOLD											BAR
-02	N	NO VISIBLE GOLD											
-03	N	NO VISIBLE GOLD											
-04	Y	25 X 50	8 C		1					1			EST 10% PYRITE
		50 X 75	13 C		1					1			0.5% ARSENOPYRITE (FINE)
		75 X 125	20 C	1						1			
		100 X 100	20 C	1						1			
		100 X 150	25 C	1						1			
		150 X 325	44 C		1					1			
									TOTAL	6	16.6	1510	
-05	N	NO VISIBLE GOLD											
-06	N	NO VISIBLE GOLD											
143-01,02	N	NO VISIBLE GOLD											
-03,04	N	NO VISIBLE GOLD											
-13	Y	50 X 200	25 C		1					1			EST. 20% PYRITE
		75 X 75	15 C				1			1			0.5% ARSENOPYRITE (FINE)
		75 X 100	18 C		1					1			
		75 X 125	20 C		1					1			
									TOTAL	4	10.4	581	
-14	N	NO VISIBLE GOLD											
-15	N	NO VISIBLE GOLD											
-16	N	NO VISIBLE GOLD											
144-01,02	Y	25 X 25	5 C		1					1			EST. 5% PYRITE
		75 X 100	18 C		1					1			0.5% ARSENOPYRITE (FINE)
		75 X 125	20 C		1					1			
		125 X 125	25 C	1						1			
		150 X 400	50 C	1						1			
		275 X 275	50 C	1						1			

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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPEC4AUG.86                            NUMBER OF GRAINS

                                       ABBRADED  IRREGULAR  DELICATE       NON    CALC V.G.
SAMPLE #   PANNED                      ========  =========  ========       MAG      ASSAY
            Y/N    DIAMETER   THICKNESS    T    P    T   P    T    P TOTAL GMS      PPB   REMARKS

    EC-86
                                                                TOTAL    6   81.2      768
```

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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE1SEP.86                           NUMBER OF GRAINS

                                      ABRADED   IRREGULAR  DELICATE      NON    CALC V.G.
SAMPLE # PANNED                       ========  =========  ========      MAG      ASSAY
          Y/N    DIAMETER   THICKNESS    T    P    T    P    T    P TOTAL GMS      PPB    REMARKS




  126-08   N   NO VISIBLE GOLD

     -11   Y      50 X   75       13 C          1                         1                EST. 30 GRAINS PYRITE
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GOLD CLASSIFICATION
==================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHEISEP.86                         NUMBER OF GRAINS

                                    ABRADED   IRREGULAR  DELICATE       NON   CALC V.G.
SAMPLE # PANNED                     ========  =========  ========       MAG     ASSAY
         Y/N    DIAMETER  THICKNESS    T    P    T    P    T    P TOTAL GMS      PPB    REMARKS

EC-86
                  50 X  125     18 C         1                     1
                  75 X  150     22 C    1                          1
                 100 X  125     22 C    1                          1
                                                                 ______________________
                                                          TOTAL    4   12.9        436

143-07,0  N   NO VISIBLE GOLD

 -09,10   N   NO VISIBLE GOLD

 -11,12   N       50 X  100     15 C    1                          1
                                                                 ______________________
                                                          TOTAL    1   17.1         37
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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE13EP.86                           NUMBER OF GRAINS

                                      ABRADED   IRREGULAR  DELICATE      NON    CALC V.G.
SAMPLE #   PANNED                     ========  =========  ========      MAG      ASSAY
            Y/N    DIAMETER  THICKNESS  T    P    T    P    T    P TOTAL GMS       PPB    REMARKS

EC-86
   142-01    N   NO VISIBLE GOLD

      -02    N     100 X  200      29 C   1                          1
                                                                  ________________
                                                           TOTAL  1   14.5      340         BAR

      -03    N     200 X  250      42 C   1                          1
                                                                  ________________
                                                           TOTAL  1   12.2     1313

   144-03    N   NO VISIBLE GOLD

      -04    N   NO VISIBLE GOLD

      -05    N      50 X  175      22 C            1                 1
                                                                  ________________
                                                           TOTAL  1    9.0      236

      -06    N   NO VISIBLE GOLD

      -07    N   NO VISIBLE GOLD
------------------------------------------------------------

                                                                                            K
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BAR

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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MFHE3SEP.86                           NUMBER OF GRAINS

                                      ABRADED   IRREGULAR  DELICATE       NON    CALC V.G.
SAMPLE #  PANNED                      ========  =========  ========       MAG     ASSAY
           Y/N    DIAMETER  THICKNESS    T   P    T    P    T    P TOTAL GMS     PPB    REMARKS

EC-86

     -08      N   NO VISIBLE GOLD

  -09,10      N   NO VISIBLE GOLD

  -11,12      N     100 X  125      22 C     1                             1
                                                                     --------------------
                                                                 TOTAL  1   31.6       67

     -13      N     175 X  225      38 C     1                             1
                                                                     --------------------
                                                                 TOTAL  1   14.3      797

     -14      N   NO VISIBLE GOLD

     -15      Y   NO VISIBLE GOLD                                                            EST. 10% PYRITE

     -16      Y     100 X  125      22 C        1                          1                 EST. 25% PYRITE
                 2075 X 2175     200 M     1                               1
                                                                     --------------------
                                                                 TOTAL  2   67.8    99935

     -17      N     125 X  150      27 C     1                             1
                                                                     --------------------
                                                                 TOTAL  1   47.5       81

 178-01.02    N   NO VISIBLE GOLD

     -03      N   NO VISIBLE GOLD

  -04,05      N   NO VISIBLE GOLD

     -06      N   NO VISIBLE GOLD

  -07,08      N   NO VISIBLE GOLD

  -09,10      N   NO-VISIBLE GOLD

     -11      N   NO VISIBLE GOLD

     -12      N   NO VISIBLE GOLD

     -13      N   NO VISIBLE GOLD

     -14      N   NO VISIBLE GOLD
```

BAR

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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE3SEP.86                         NUMBER OF GRAINS

                                    ABRADED  IRREGULAR  DELICATE      NON   CALC V.G.
SAMPLE #  PANNED                    ========  =========  ========     MAG     ASSAY
           Y/N   DIAMETER  THICKNESS   T    P    T    P    T    P TOTAL GMS    PPB    REMARKS

EC-86

    -02    N   NO VISIBLE GOLD

 180-01    N   NO VISIBLE GOLD

    -02    N   NO VISIBLE GOLD

    -03    N   NO VISIBLE GOLD
```

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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE1SEP.86                          NUMBER OF GRAINS

                                     ABRADED   IRREGULAR DELICATE       NON   CALC V.G.
SAMPLE # FANNED                      ========  ========= ========       MAG     ASSAY
          Y/N    DIAMETER   THICKNESS   T    P    T    P    T    P TOTAL GMS     PPB    REMARKS

   EC-86
                                                             TOTAL    6   31.0      379

  -06,07    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

  167-01    N   NO VISIBLE GOLD

     -02    N   NO VISIBLE GOLD
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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE3SEP.86                            NUMBER OF GRAINS

                                       ABRADED   IRREGULAR  DELICATE       NON    CALC V.G.
SAMPLE #  PANNED                       ========  =========  ========       MAG      ASSAY
           Y/N    DIAMETER   THICKNESS    T    P    T    P     T   P TOTAL GMS      PPB    REMARKS


170-01.02   N   NO VISIBLE GOLD                                                                            BAR

  -03,04    N      75 X  125      20 C    1                              1
                                                                       --------------------
                                                                 TOTAL   1   36.7       41

     -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

171-01,02   N      50 X   75      13 C    1                              1
                                                                       --------------------
                                                                 TOTAL   1   38.9       10

  -03,04    Y      25 X   25       5 C    1    1         1               3                 EST. 2% PYRITE
                   25 X   75      10 C         1                         1
                   50 X   75      13 C    1    1                         2
                   50 X  100      25 M    1                              1
                   75 X  125      20 C    1                              1
                  125 X  150      25 M    1                              1
```

GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE3SEP.86 NUMBER OF GRAINS

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	ABRADED		IRREGULAR		DELICATE		TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
				T	P	T	P	T	P				
EC-86													
									TOTAL	9	34.2	208	BAR
-05,06	N	50 X 75	13 C	1						1			
									TOTAL	1	35.5	11	
-07,08,09	Y	25 X 50	8 C		1					1			EST. 3% PYRITE
		50 X 125	18 C	1						1			
		100 X 125	22 C	1						1			
									TOTAL	3	53.1	61	
-10,11	N	50 X 100	15 C	1						1			
									TOTAL	1	22.4	29	
-12,13	N	NO VISIBLE GOLD											
-14,15,16	N	150 X 200	34 C	1						1			
									TOTAL	1	41.0	189	
-17,18	N	NO VISIBLE GOLD											
-19	N	NO VISIBLE GOLD											
-20	N	NO VISIBLE GOLD											
-21	N	NO VISIBLE GOLD											
-22	N	NO VISIBLE GOLD											
172-01	N	NO VISIBLE GOLD											
-02	N	NO VISIBLE GOLD											
-03	Y	25 X 50	8 C		2		1		1	4			EST. 1% PYRITE
		50 X 50	10 C		2		2			4			PHOTO REF. #127
		50 X 75	13 C		2					2			
		75 X 75	15 C		1					1			
		75 X 100	18 C	1	2					3			
		75 X 125	20 C	2	2					4			
		100 X 100	20 C						1	1			
		100 X 150	25 C	1						1			
		150 X 175	31 C		1					1			
		200 X 275	44 C	1						1			

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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE3SEP.86                          NUMBER OF GRAINS

                                     ABRADED   IRREGULAR  DELICATE      NON    CALC V.G.
SAMPLE #  PANNED                     ========  =========  ========      MAG      ASSAY
         Y/N    DIAMETER   THICKNESS   T    P    T    P    T    P TOTAL GMS      PPB    REMARKS

EC-86
                                                           TOTAL  22  82.9     493            BAR

174-1.2,3  N      25 X  75      10 C   1                          1
                                                                 ----------------
                                                           TOTAL  1   52.3       4

     -04   N   NO VISIBLE GOLD

   -05,06  N     550 X  800     96 C   1                          1
                                                                 ----------------
                                                           TOTAL  1   56.9    5777

     -07   N   NO VISIBLE GOLD

     -08   N   NO VISIBLE GOLD

     -09   N   NO VISIBLE GOLD

     -10   N   NO VISIBLE GOLD

   175-01  N   NO VISIBLE GOLD

   -02.03  Y      25 X  50       8 C        2                     2              EST. 5% PYRITE
                 100 X  125     22 C        1                     1              150 GRAINS ARSENOPYRITE (FINE)
                 125 X  225     34 C   1                          1              1 GRAIN COPPER (NATIVE)
                 175 X  350     48 C   1                          1              75x75 MICRONS
                                                                 ----------------
                                                           TOTAL  5   23.6    1481

   -04,05  N   NO VISIBLE GOLD

 -06,07,08 Y      25 X  25       5 C        3                     3              EST. 1% PYRITE
                  25 X  50       8 C        1                     1              800 GRAINS ARSENOPYRITE (FINE)
                  50 X  50      10 C        1                     1
                  50 X  100     15 C                  1           1
                 100 X  150     25 C   1                          1
                 100 X  200     29 C   1                          1
                                                                 ----------------
                                                           TOTAL  8   40.7     217

     -09   N     100 X  175     27 C   1                          1
                                                                 ----------------
                                                           TOTAL  1   11.7     327

   -10,11  N   NO VISIBLE GOLD
```

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MFHE3SEP.86 NUMBER OF GRAINS

EAR

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
EC-86													
-13	N	NO VISIBLE GOLD											
-14	N	NO VISIBLE GOLD											
-15	N	150 X 200	34 C	1						1			
									TOTAL	1	6.7	1155	
176-01,02	Y	50 X 125	18 C		1					1			EST. 7% PYRITE
		75 X 75	15 C		1					1			1000 GRAINS ARSENOPYRITE (FINE)
		75 X 100	18 C		1					1			
		100 X 200	29 C		1					1			
		125 X 175	29 C		1					1			
		125 X 200	31 C		1					1			
		200 X 225	40 C	1						1			
		300 X 500	68 C	1						1			
									TOTAL	8	33.8	3371	
-03,04,05	N	NO VISIBLE GOLD											
-06,07	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											
177-01,02	N	150 X 275	40 C	1						1			
									TOTAL	1	20.9	650	
-03,04,05	N	200 X 325	48 C	1						1			
									TOTAL	1	38.2	653	
-06	N	NO VISIBLE GOLD											
-07	N	NO VISIBLE GOLD											

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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE3SEP.86                        NUMBER OF GRAINS

                                   ABRADED   IRREGULAR  DELICATE       NON    CALC V.S.
SAMPLE #  PANNED                   ========  =========  ========       MAG      ASSAY
            Y/N    DIAMETER   THICKNESS  T    P     T    P      T    P TOTAL GMS       PPB    REMARKS

EC-86

     -13    N   NO VISIBLE GOLD

     -14    N   NO VISIBLE GOLD

     -15    N     150 X  200       34 C    1                             1
                                                                  ____________________
                                                           TOTAL     1     6.7      1155

176-01,02   Y      50 X  125       18 C         1                        1               EST. 7% PYRITE
                   75 X   75       15 C         1                        1               1000 GRAINS ARSENOPYRITE (FINE)
                   75 X  100       18 C         1                        1
                  100 X  200       29 C         1                        1
                  125 X  175       29 C         1                        1
                  125 X  200       31 C         1                        1
                  200 X  225       40 C    1                             1
                  300 X  500       68 C    1                             1
                                                                  ____________________
                                                           TOTAL     8    33.8      3071

-03,04,05   N   NO VISIBLE GOLD

  -06,07    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

177-01,02   N     150 X  275       40 C    1                             1
                                                                  ____________________
                                                           TOTAL     1    20.9       650

-03,04,05   N     200 X  325       48 C    1                             1
                                                                  ____________________
                                                           TOTAL     1    38.2       653

     -06    N   NO VISIBLE GOLD
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GOLD CLASSIFICATION
===================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE3SEP.86                           NUMBER OF GRAINS

                                      ABRADED   IRREGULAR  DELICATE        NON    CALC V.G.
SAMPLE #  PANNED                      ========  =========  ========        MAG     ASSAY
           Y/N    DIAMETER  THICKNESS   T    P    T    P    T    P TOTAL   GMS      PPB     REMARKS

EC-86

     -08    N   NO VISIBLE GOLD                                                                    BAR

  -09,10    N   NO VISIBLE GOLD

  -11,12    N     100 X  125     22 C   1                          1
                                                          TOTAL  _____________________
                                                                   1   31.6         67

     -13    N     175 X  225     38 C   1                          1
                                                          TOTAL  _____________________
                                                                   1   14.3        797

     -14    N   NO VISIBLE GOLD

     -15    Y   NO VISIBLE GOLD                                                         EST. 10% PYRITE

     -16    Y     100 X  125     22 C        1                     1                    EST. 25% PYRITE
                 2075 X 2175    200 M   1                          1
                                                          TOTAL  _____________________
                                                                   2   67.8      99935

     -17    N     125 X  150     27 C   1                          1
                                                          TOTAL  _____________________
                                                                   1   47.5         81

178-01,02   N   NO VISIBLE GOLD

     -03    N   NO VISIBLE GOLD

  -04,05    N   NO VISIBLE GOLD

     -06    N   NO VISIBLE GOLD

  -07,08    N   NO VISIBLE GOLD

  -09,10    N   NO VISIBLE GOLD

     -11    N   NO VISIBLE GOLD

     -12    N   NO VISIBLE GOLD

     -13    N   NO VISIBLE GOLD

     -14    N   NO VISIBLE GOLD
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GOLD CLASSIFICATION
==================
VISIBLE GOLD FROM SHAKING TABLE AND PANNING

MPHE3SEP.86                           NUMBER OF GRAINS

                                      ABRADED   IRREGULAR  DELICATE       NON    CALC V.G.
SAMPLE #  PANNED                      ========  =========  ========       MAG      ASSAY
          Y/N    DIAMETER   THICKNESS  T     P     T     P     T     P TOTAL GMS      PPB    REMARKS

EC-86

     -02    N   NO VISIBLE GOLD

  180-01    N   NO VISIBLE GOLD

     -02    N   NO VISIBLE GOLD

     -03    N   NO VISIBLE GOLD
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BAR

APPENDIX B

Certificates of Analysis - Overburden

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Geochemical Lab Report

BAROQUE

REPORT: 016-1881

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm
EC-86-01-02	3/4	512	86	0.4	50	300	9.73
EC-86-01-03	3/4	1735	88	2.0	15	60	
EC-86-02-02	3/4	260	60	0.5	108	165	
EC-86-02-03	3/4	385	109	1.3	70	65	
EC-86-04-01	3/4	177	35	0.3	23	30	
EC-86-06-04	3/4	112	168	0.2	14	65	4.66
EC-86-07-01	3/4	370	50	0.3	20	5	
EC-86-09-03	3/4	79	18	0.2	3	25	
EC-86-09-06	3/4	124	118	<0.1	19	90	
EC-86-10-02	3/4	104	52	0.3	21	35	
EC-86-11-01	3/4	303	40	0.1	14	25	
EC-86-11-02	3/4	38	25	<0.1	2	330	
EC-86-11-03	3/4	200	92	0.8	58	165	
EC-86-11-06	3/4	200	60	0.2	19	10	
EC-86-12-05	3/4	45	66	0.1	11	10	
EC-86-13-07	3/4	124	60	0.1	13	30	
EC-86-14-09	3/4	246	106	0.4	114	15	7.09
EC-86-14-10	3/4	197	50	0.4	48	115	
EC-86-15-01	3/4	57	36	0.2	12	1090	
EC-86-15-02	3/4	184	370	0.3	29	110	
EC-86-15-07	3/4	316	136	0.3	22	10	
EC-86-16-03	3/4	121	36	0.2	15	270	
EC-86-16-04	3/4	315	560	0.5	14	10	
EC-86-17-01	3/4	211	96	0.4	22	35	
EC-86-18-01	3/4	32	16	<0.1	<2	10	
EC-86-19-06	3/4	340	172	0.5	56	125	
EC-86-19-07	3/4	329	182	0.5	44	30	
EC-86-20-04	3/4	231	50	0.2	25	65	7.73
EC-86-20-07	3/4	306	128	0.7	62	145	
EC-86-20-08	3/4	413	92	0.5	47	170	
EC-86-21-03	3/4	240	72	0.6	43	115	
EC-86-22-03	3/4	123	80	0.3	20	290	
EC-86-22-04	3/4	205	75	0.2	19	650	
EC-86-22-06	3/4	510	130	0.6	62	15	
EC-86-22-07	3/4	286	80	0.3	63	150	
EC-86-23-04	3/4	145	140	0.7	30	10	
EC-86-23-05	3/4	100	210	0.5	19	20	
EC-86-25-08	3/4	138	225	0.5	18	205	
EC-86-25-09	3/4	98	130	0.2	16	15	
EC-86-25-10	3/4	73	78	0.3	12	20	

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Geochemical Lab Report

BAROQUE

REPORT: 016-2157

PROJECT: C-856 PAGE 1

NR

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm
EC-86-01-01-3/4		335	22	<0.1	8	170	
EC-86-02-01-3/4		230	78	0.6	74	50	
EC-86-08-01-3/4		55	36	<0.1	4	85	5.00
EC-86-08-02-3/4		47	24	<0.1	4	<15	4.00
EC-86-09-04-3/4		60	14	<0.1	3	55	7.00
EC-86-09-05-3/4		73	29	<0.1	19	120	6.00
EC-86-10-01-3/4		235	118	1.0	60	95	7.00
EC-86-10-07-3/4		390	36	0.7	23	280	4.00
EC-86-13-01-3/4		100	33	<0.1	16	95	6.00
EC-86-13-02-3/4		2075	53	0.7	41	15	8.00
EC-86-13-04-3/4		460	70	0.7	38	130	8.00
EC-86-13-03-3/4		1000	40	1.1	45	65	5.00
EC-86-13-05-3/4		280	250	0.4	89	55	
EC-86-13-06-3/4		250	164	0.7	50	155	
EC-86-14-01-3/4		265	136	0.6	52	45	9.00
EC-86-14-02-3/4		230	240	1.2	64	40	8.00
EC-86-14-07-3/4		92	49	<0.1	45	125	
EC-86-14-08-3/4		155	124	0.4	63	155	
EC-86-14-11-3/4		175	57	<0.1	71	135	6.00
EC-86-16-01-3/4		124	54	<0.1	47	55	
EC-86-19-01-3/4		39	34	<0.1	5	30	
EC-86-20-01-3/4		12	42	<0.1	4	<10	5.00
EC-86-20-02-3/4		83	34	<0.1	23	165	7.00
EC-86-20-03-3/4		86	73	<0.1	19	<15	4.00
EC-86-20-06-3/4		330	152	1.0	53	170	
EC-86-21-01-3/4		117	49	<0.1	17	170	
EC-86-21-02-3/4		165	29	0.6	29	20	
EC-86-22-01-3/4		190	90	0.3	41	215	
EC-86-22-02-3/4		230	160	0.5	79	80	
EC-86-22-05-3/4		320	64	<0.1	81	75	
EC-86-25-01-3/4		77	38	0.5	47	45	
EC-86-25-02-3/4		107	38	<0.1	129	35	9.00
EC-86-25-03-3/4		82	75	<0.1	60	35	9.00
EC-86-27-01-3/4		57	58	<0.1	31	210	8.00
EC-86-28-01-3/4		90	40	0.2	26	135	6.00
EC-86-31-01-3/4		59	35	<0.1	10	65	
EC-86-33-01-3/4		140	50	<0.1	46	40	
EC-86-34-01-3/4		165	110	<0.1	33	80	7.00
EC-86-34-02-3/4		108	62	0.4	16	40	6.00
EC-86-35-01-3/4		101	54	1.0	38	205	7.00

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REPORT: 016-2157

PROJECT: C-856 PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm
NR EC-86-36-01-3/4		182	51	0.6	29	15	8.00
EC-86-37-01-3/4		50	48	<0.1	18	65	4.00
EC-86-38-01-3/4		100	25	<0.1	121	60	6.00
EC-86-38-02-3/4		92	52	<0.1	93	55	6.00
EC-86-40-01-3/4		128	59	0.6	37	90	5.00
EC-86-40-06-3/4		144	100	<0.1	43	160	6.00

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Geochemical Lab Report

REPORT: 016-2930

PROJECT: NONE PAGE 1

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm
EC86-05-02-3/4		620	126	1.0	131	200	10.00
EC86-06-02,03-3/4		160	280	0.7	50	770	10.00
EC86-08-05,06-3/4		148	136	0.6	38	575	6.01
EC86-10-03,04-3/4		148	156	0.5	14	4190	5.01
EC86-10-05,06-3/4		250	128	0.5	33	35	9.00
EC86-11-04,05-3/4		240	26	0.2	39	115	8.00
EC86-12-04-3/4		58	34	<0.1	33	<10	5.00
EC86-14-03,04-3/4		290	220	1.2	76	90	10.00
EC86-14-05,06-3/4		39	172	1.1	43	1950	10.00
EC86-15-03,04-3/4		300	180	0.6	80	360	10.00
EC86-15-05,06-3/4		240	148	0.8	63	25	10.00
EC86-19-02,03,04-3/4		220	144	1.1	87	185	8.01
EC86-19-05-3/4		330	152	0.8	76	435	10.00
EC86-23-01,02-3/4		84	32	0.2	86	165	10.00
EC86-23-03-3/4		56	22	0.2	25	10	8.00
EC86-30-01,02-3/4		290	106	0.4	60	390	10.00
EC86-30-03,04-3/4		210	124	0.6	100	15	10.00
EC86-30-05,06-3/4		120	54	0.4	40	10	10.00
EC86-30-07-3/4		260	92	0.7	63	15	10.00
EC86-32-02,03-3/4		600	160	0.8	115	105	10.00
EC86-32-04-3/4		176	78	0.6	42	80	10.00
EC86-41-04-3/4		450	136	0.7	171	80	3.01
EC86-41-05,06-3/4		250	96	0.9	162	55	10.00
EC86-41-07,08-3/4		230	128	0.7	80	40	10.00
EC86-44-01,02-3/4		116	40	0.2	29	25	10.00
EC86-44-03,04-3/4		156	98	0.6	32	45	10.00

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BAROQUE

REPORT: 016-2156

PROJECT: C-856 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au-150 PPM	Au+150 PPM	Au AV PPM	TestWt gms	-150Wt gms	+150Wt gms
EC-86-16-02-3/4		90	40	<0.1	26	0.11	0.04	0.11	8.50	11.76	0.50
EC-86-20-05-3/4		240	200	0.4	77	0.11	168.75	6.63	8.00	9.95	0.40
EC-86-24-01-3/4		24	17	<0.1	4	0.14	<0.01	0.13	11.00	13.23	0.56
EC-86-29-01-3/4		45	24	<0.1	4	0.55	283.00	15.29	10.00	11.99	0.66
EC-86-40-04-3/4		170	80	<0.1	25	0.12	69.88	4.86	9.50	11.39	0.83

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REPORT: 016-1882

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au-150 PPM	Au+150 PPM	Au AV PPM	TestWt gms	-150Wt gms	+150Wt gms
EC-86-05-01		704	65	0.5	30	18.62	<0.01	8.79	1.09	2.37	2.65
EC-86-24-02		184	88	0.3	123	1.60	0.03	0.96	6.00	7.92	5.42
EC-86-31-02		194	176	0.2	41	0.03	3.97	1.49	6.50	8.51	5.01
EC-86-36-02		266	200	0.3	121	0.13	5.55	1.53	14.00	15.77	5.47
EC-86-45-11		485	83	0.7	50	0.12	3.69	1.11	13.00	15.18	5.86

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BAROQUE

REPORT: 016-2334

PROJECT: C-856 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au-150 PPM	Au+150 PPM	Au AV PPM	TestWt gms	-150Wt gms	+150Wt gms
EC-86-40-08-3/4		180	164	1.0	75	4.02	2.30	3.43	4.20	6.69	3.50
EC-86-40-16-3/4		220	82	0.5	117	0.98	1.08	1.00	6.00	7.75	2.44
EC-86-40-20-3/4		320	330	1.7	171	<0.01	0.36	0.08	8.00	9.71	2.62
EC-86-41-02-H		600	196	1.6	176	8.69	5.81	8.37	1.60	3.40	0.42
EC-86-42-02-3/4		150	56	0.7	71	4.93	0.82	4.13	8.10	9.76	2.36

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REPORT: 016-1881

PROJECT: NONE PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm
EC-86-26-01	3/4	100	45	0.2	19	<5	
EC-86-27-02	3/4	52	30	0.3	13	<5	
EC-86-28-02	3/4	274	46	0.3	96	60	
EC-86-29-02	3/4	234	98	0.6	57	150	
EC-86-31-03	3/4	167	120	0.3	30	140	
EC-86-32-05	3/4	259	97	0.6	38	45	
EC-86-32-06	3/4	236	75	0.4	35	120	9.00
EC-86-32-07	3/4	225	75	0.5	113	165	
EC-86-32-08	3/4	343	136	0.5	229	110	
EC-86-33-02	3/4	48	21	<0.1	5	40	
EC-86-33-03	3/4	91	22	0.1	4	20	
EC-86-34-03	3/4	154	20	0.1	6	70	8.00
EC-86-35-02	3/4	129	60	0.3	11	60	7.00
EC-86-35-03	3/4	312	680	0.7	41	550	
EC-86-37-02	3/4	279	7900	7.3	31	55	
EC-86-37-03	3/4	305	360	1.2	97	55	
EC-86-38-03	3/4	291	245	0.7	70	75	
EC-86-39-05	3/4	187	51	0.6	22	80	
EC-86-39-06	3/4	349	280	1.0	84	325	
EC-86-40-14	3/4	188	83	0.7	52	<10	9.00
EC-86-40-22	3/4	251	78	1.7	55	275	
EC-86-41-12	3/4	270	140	3.9	69	10	8.00
EC-86-42-04	3/4	235	52	0.7	76	80	
EC-86-42-14	3/4	278	110	0.8	47	225	
EC-86-43-07	3/4	72	42	0.4	113	120	
EC-86-44-05	3/4	206	102	0.4	39	<10	8.00
EC-86-45-10	3/4	96	57	0.2	59	770	
EC-86-45-12	3/4	577	116	0.4	35	115	4.00
EC-86-46-05	3/4	577	200	1.2	98	35	
EC-86-47-02	3/4	170	24	0.3	32	60	

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PROJECT: C856 PAGE 1

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm
EC-86-40-02-3/4		43	40	0.4	123	205	4.10
EC-86-40-03-3/4		280	152	1.0	83	180	9.00
EC-86-40-04(1)-3/4		150	116	0.8	64	175	6.00
EC-86-40-05-3/4		120	120	0.3	57	55	10.00
EC-86-40-06(2)-3/4		150	104	0.6	72	85	8.60
EC-86-40-07-3/4		260	132	0.5	59	435	10.00
EC-86-40-09-3/4		113	130	0.7	57	495	10.00
EC-86-40-10-3/4		135	146	<0.1	43	125	10.00
EC-86-40-11-3/4		290	86	1.2	74	595	10.00
EC-86-40-12-3/4		170	88	<0.1	55	130	6.50
EC-86-40-13-3/4		163	80	<0.1	50	355	10.00
EC-86-40-15-3/4		160	88	0.6	152	60	5.50
EC-86-40-17-3/4		240	96	0.7	130	70	7.90
EC-86-40-18-3/4		380	220	0.7	71	170	6.10
EC-86-40-19-3/4		300	184	0.6	68	20	10.00
EC-86-40-21-3/4		320	184	1.0	65	270	8.70
EC-86-41-01-3/4		240	84	0.8	87	15	6.30
EC-86-41-03-3/4		580	1800	2.0	314	<50	1.10
EC-86-41-09-3/4		280	172	0.6	135	90	8.40
EC-86-41-10-3/4		280	172	0.6	72	100	8.00
EC-86-41-11-3/4		1800	140	1.2	108	25	8.30
EC-86-42-01-3/4		184	76	0.6	624	445	5.70
EC-86-42-03-3/4		85	26	<0.1	47	885	4.40
EC-86-42-05-3/4		180	38	0.4	38	620	6.90
EC-86-42-06-3/4		105	40	0.4	45	5	10.00
EC-86-42-07-3/4		80	38	<0.1	23	30	4.10
EC-86-42-08-3/4		70	44	<0.1	17	125	4.00
EC-86-42-09-3/4		100	84	<0.1	24	<20	2.80
EC-86-42-10-3/4		85	32	<0.1	11	345	3.20

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REPORT: 016-2477

PROJECT: NONE

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm	
EC-86-42-11-3/4		38	18	<0.1	48	35	9.20	
EC-86-42-12-3/4		105	28	0.2	66	30		
EC-86-42-13-3/4		220	84	0.2	107	60		
EC-86-43-01-3/4		145	34	<0.1	48	25		
EC-86-43-02-3/4		68	28	<0.1	95	60		
EC-86-43-03-3/4		88	22	<0.1	33	20	9.40	
EC-86-43-04-3/4		80	28	<0.1	29	15	6.80	
EC-86-43-05-3/4		200	29	<0.1	46	235	2.30	
EC-86-43-06-3/4		60	38	<0.1	34	90	8.30	
EC-86-45-01-3/4		172	26	<0.1	49	175	7.70	
EC-86-45-02-3/4		100	26	<0.1	26	45	9.10	
EC-86-45-03-3/4		600	92	0.2	72	50		
EC-86-45-04-3/4		240	145	0.3	37	1105		
EC-86-45-05-3/4		168	96	<0.1	46	745		
EC-86-45-07-3/4		138	64	<0.1	212	70		
EC-86-45-08-3/4		110	48	<0.1	31	95		
EC-86-45-09-3/4		130	94	<0.1	42	30		
EC-86-46-01-3/4		300	48	<0.1	43	30		
EC-86-46-02-3/4		460	40	<0.1	49	45	6.00	
EC-86-46-04-3/4		115	42	<0.1	48	120		
EC-86-47-01-3/4		94	30	<0.1	39	25		BAROQUE

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REPORT: 016-2476

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au-150 PPM	Au+150 PPM	Au AV PPM	TestWt gms	-150Wt gms	+150Wt gms	
EC-86-45-06-3/4		184	125	0.5	60	0.09	2.00	0.16	10.00	12.35	0.48	
EC-86-46-03-3/4		320	54	0.4	59	<0.01	0.48	0.04	10.00	11.72	0.89	BAROQUE

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REPORT: 116-2122

PROJECT: NONE

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	TestWt gm
EC-86-66-02		20	10.56

TEXPEZ

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Geochemical Lab Report

REPORT: 016-2122

PROJECT: NONE

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm
MPH-EC-83-04		84	61	<0.1	30	55	
MPH-EC-86-01		54	12	<0.1	2	155	
MPH-EC-86-02		2850	74	0.6	71	70	6.07

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Geochemical Lab Report

REPORT: 016-2930

PROJECT: NONE

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm	
EC86-85-03,04-3/4		220	70	0.7	41	600	10.00	
EC86-85-05,06-3/4		230	100	1.1	70	205	8.00	BAF
EC86-85-07-3/4		166	122	0.7	43	55	10.00	
EC86-85-08-3/4		210	136	0.8	53	70	10.00	
EC86-85-09-3/4		124	32	0.8	12	10	10.00	
EC86-92-03-3/4		48	12	0.5	9	10	5.00	
EC86-92-04-3/4		44	12	<0.1	5	10	10.00	
EC86-92-05-3/4		32	14	0.2	46	<5	10.00	
EC86-92-06-3/4		36	30	0.2	3	135	10.00	
EC86-92-07-3/4		42	30	0.2	2	200	9.00	
EC86-92-09-3/4		380	32	0.6	21	100	10.00	
EC86-92-10-3/4		330	34	0.7	15	735	3.01	
EC86-92-11-3/4		192	39	0.9	81	30	6.00	

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Geochemical Lab Report

REPORT: 016-2548

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au-150 PPM	Au+150 PPM	Au AV PPM	TestWt gms	-150Wt gms	+150Wt gms
EC-87-02		48	24	0.3	3	0.02	<0.01	0.02	15.00	12.22	2.44
EC-91-09		780	32	0.3	238	0.39	137.01	26.71	5.00	7.46	1.78
EC-92-02		188	43	0.2	35	0.45	0.01	0.33	15.00	11.84	4.49

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Geochemical Lab Report

REPORT: 016-2547

PROJECT: NONE PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm	
EC-86-83-02-MIH		132	58	0.1	39	70		
EC-86-83-05-MIH		240	2500	1.2	68	500	7.76	BAR
EC-86-84-01-MIH		300	290	1.0	26	60	7.00	
EC-86-85-14-MIH		220	42	<0.1	32	125		
EC-86-87-03-MIH		58	22	0.2	4	405	9.49	
EC-86-87-04-MIH		192	48	0.4	67	420	8.00	
EC-86-87-05-MIH		320	240	0.9	83	620	7.00	
EC-86-88-03-MIH		156	52	0.4	16	2530	9.00	
EC-86-89-03-MIH		166	52	0.1	6	65	7.25	
EC-86-90-03-MIH		168	64	0.1	8	<10	7.75	
EC-86-90-05-MIH		60	18	0.2	<2	245		
EC-86-90-07-MIH		1600	64	0.6	37	60	6.50	
EC-86-92-13-MIH		140	24	3.5	26	25	7.35	
EC-86-92-14-MIH		280	32	1.0	41	10	8.00	

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Geochemical Lab Report

REPORT: 016-2617

PROJECT: NONE

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm	
83-03		156	54	<0.1	20	90		
85-10		420	30	<0.1	54	1415	2.00	BAR
85-11		480	60	<0.1	144	15	6.00	
85-12		420	34	0.2	177	<25	2.00	
85-13		120	22	<0.1	31	105	9.00	
87-01		72	20	<0.1	19	15	8.00	
88-01		136	40	<0.1	82	4500		
88-02		200	45	<0.1	38	1385	9.00	
88-04		78	20	<0.1	7	<5		
88-05		300	40	3.5	14	1285		
89-01		110	44	<0.1	23	<5		
89-02		72	20	<0.1	8	320		
90-01		270	52	<0.1	132	715	8.00	
90-02		1050	100	<0.1	50	25	2.00	
90-04		108	28	<0.1	30	<10	8.00	
90-06		58	16	<0.1	6	2275	8.00	
90-08		IS	IS	IS	IS	19000	0.01	
91-01		124	28	<0.1	11	15		
91-02		58	18	<0.1	12	5		
91-03		16	14	<0.1	6	70	8.00	
91-04		100	14	<0.1	4	<15	4.00	
91-05		IS	IS	IS	IS	<25	2.00	

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REPORT: 016-2617

PROJECT: NONE PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm	
91-06		IS	IS	IS	IS	65	0.64	
91-07		IS	IS	IS	IS	<10	1.14	
91-08		IS	IS	IS	IS	1590	1.27	BAROQUE
92-01		116	200	<0.1	27	<5		
122-03		240	36	<0.1	8	15	9.00	BAR
122-04		80	16	<0.1	5	<10	8.00	
122-05		100	16	<0.1	7	<20	3.00	
122-08 ?		840	30	<0.1	52	<20	2.50	
122-09		80	18	<0.1	5	45	8.00	
123-04		128	34	<0.1	13	5		

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REPORT: 016-2617

PROJECT: NONE PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm
123-09		360	48	<0.1	191	1525	6.00
124-01		104	56	<0.1	53	55	
125-03		2350	260	1.6	98	60	7.00
CR-02		12	20	<0.1	2	5455	1.70

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Geochemical Lab Report

REPORT: 016-3019

PROJECT: NONE PAGE 1

SAMPLE	ELEMENT	Cu	Zn	Ag	As	Au	TestWt
NUMBER	UNITS	PPM	PPM	PPM	PPM	PPB	gm
EC-86-122-01,02-3/4		194	20	0.3	40	1240	7.00
EC-86-122-06-3/4		238	66	0.4	42	390	9.00
EC-86-122-07-3/4		208	250	0.5	13	40	7.01
EC-86-123-02,03-3/4		99	29	0.4	50	15	10.00
EC-86-123-05,06-3/4		375	89	1.2	196	4680	10.00
EC-86-123-07,08-3/4		302	37	1.2	96	35	10.00
EC-86-125-02-3/4		1256	70	0.9	36	35	7.00
EC-86-126-01,02-3/4		93	22	0.2		580	10.00
EC-86-126-03-3/4		157	41	0.3	33	225	6.00
EC-86-126-04-3/4		148	31	0.4	17	680	4.00
EC-86-126-05-3/4		129	57	0.1	22	800	6.00
EC-86-126-06,07-3/4		12	28	0.1	2	50	10.00
EC-86-126-09-3/4		62	294	<0.1	3	75	5.00
EC-86-126-12-3/4		158	49	0.6	85	355	10.00
EC-86-126-14-3/4		268	58	0.9	196	140	7.00
EC-86-126-15-3/4		256	86	0.5	75	20	9.00
EC-86-126-17-3/4		236	50	0.7	107	60	8.00

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Geochemical Lab Report

REPORT: 016-2931

PROJECT: NONE

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au-150 PPM	Au+150 PPM	Au AV PPM	TestWt gms	-150Wt gms	+150Wt gms
BAR EC86-08-07,08-3/4		98	66	0.1	25	0.22	<0.01	0.20	8.50	10.82	1.15
BAR EC86-25-04,05-3/4		120	430	0.4	46	0.16	5.90	0.48	14.50	16.48	0.97
BAR EC86-25-06,07-3/4		126	180	0.6	26	0.31	6.53	0.97	14.00	15.87	1.88
BAR EC86-85-01,02-3/4		[illegible]	[illegible]	0.5	91	0.08	0.02	0.07	9.00	10.97	2.09
EC86-92-08-3/4		[illegible]	34	<0.1	6	0.14	<0.01	0.12	8.50	10.39	2.11
EC86-92-12-3/4		270	104	0.8	91	0.04	11.76	1.51	6.50	8.29	1.19

Additional Processing: Aug 19

93-02: 1 small irreg Au 1% py (panning of ¼ split)
1 abr off shaking table

93-03: 3 abr. gr, 3% py (" " ")

93-04: 2 abr. gr., 1% py. (" " ")
1 irreg
1 coarse grain off table

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Geochemical Lab Report

REPORT: 016-3512

PROJECT: NONE

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm
EC-86-126-08-3/4		9	12	<0.1	10	15	5.00
EC-86-126-11-3/4		89	18	0.1	8	200	8.00

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REPORT: 016-3425

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm	
EC-86-142-01-3/4		58	18	<0.1	20	35	4.00	
EC-86-144-03-3/4		53	20	<0.1	33	1220	5.00	
EC-86-144-04-3/4		103	24	0.1	12	<10	5.00	
EC-86-144-05-3/4		164	24	0.3	14	210	4.50	
EC-86-144-06-3/4		175	23	0.2	10	<25	2.00	
EC-86-144-07-H		401	60	<0.1	18	<20	3.00	BAR

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Geochemical Lab Report

REPORT: 016-3426

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au-150 PPM	Au+150 PPM	Au AV PPM	TestWt gms	-150Wt gms	+150Wt gms
EC-86-142-02-3/4		48	18	<0.1	7	0.36	0.01	0.25	5.00	7.04	3.07
EC-86-142-03-3/4		233	80	0.3	56	0.27	0.01	0.21	5.00	6.05	1.75

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Geochemical Lab Report

REPORT: 016-3018

PROJECT: NONE

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au-150 PPM	Au+150 PPM	Au AV PPM	TestWt gms	-150Wt gms	+150Wt gms	
EC-86-126-10-3/4		25	26	0.3	<2	0.02	53.71	1.24	4.00	6.04	0.14	BAR
EC-86-126-13-3/4		323	70	0.7	185	0.04	<0.01	0.04	9.00	10.78	0.49	
EC-86-126-16-3/4		189	41	0.3	58	0.81	<0.01	0.80	14.00	15.37	0.22	
EC-86-141-04-3/4		93	37	0.3	121	0.42	27.08	1.64	10.00	10.02	0.48	BAR
EC-86-143-13-3/4		347	28	1.6	132	0.47	0.26	0.47	10.00	11.89	0.23	
EC-86-144-01,02-3/4		179	45	0.5	83	0.10	122.55	1.33	20.00	57.11	0.58	

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Geochemical Lab Report

REPORT: 016-3019

PROJECT: NONE

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm
EC-86-141-01-3/4		160	108	0.9	34	70	6.00
EC-86-141-02-3/4		146	56	0.4	36	10	9.01
EC-86-141-03-3/4		197	54	0.6	48	130	8.00
EC-86-141-05-3/4		240	76	0.4	108	30	7.00
EC-86-141-06-3/4		177	95	0.3	54	5	10.00
EC-86-143-01,02-3/4		159	48	0.1	56	10	10.00
EC-86-143-03,04-3/4		71	37	0.1	11	10	8.00
EC-86-143-14-3/4		617	38	<0.1	39	5850	9.00
EC-86-143-15-3/4		340	41	0.2	76	170	7.00
EC-86-143-16-3/4		427	169	<0.1	90	2195	10.00

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Geochemical Lab Report

REPORT: 016-3559

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm	
EC-86-170-01,02-3/4		133	23	1.1	58	>20000		BAR
EC-86-170-03,04-3/4		91	20	0.7	12	70		
EC-86-170-05-3/4		50	15	0.2	10	35		
EC-86-170-06-3/4		135	20	0.3	7	<5		
EC-86-170-07-3/4		117	32	<0.1	11	30	7.00	
EC-86-170-08-3/4		401	42	0.3	14	30	5.00	
EC-86-170-09-3/4		77	54	0.4	28	190		
EC-86-170-10-3/4		124	36	<0.1	206	15		
EC-86-171-01,02-3/4		118	26	0.2	49	80		
EC-86-171-03,04-3/4		71	14	<0.1	12	150		
EC-86-171-05,06-3/4		135	79	0.2	29	40		

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REPORT: 016-3720

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm
PREFIX EC-86-							
171-7,8,9-3/4 2 VIAL		142	84	0.1	43	45	10.00
171-10,11-3/4		185	96	0.3	63	5	10.00
171-12,13-3/4		207	92	0.7	130	45	10.00
171-17,18-3/4		431	88	0.5	119	270	10.00
171-19-3/4		354	109	0.5	84	2880	6.00
171-20-3/4		501	22	<0.1	42	45	10.00
171-21-3/4		331	15	<0.1	14	5	10.00
171-22-3/4		199	20	0.1	69	195	4.00
172-01-H		142	16	<0.1	6	440	2.00
172-02-3/4		45	10	0.2	4	90	10.00
174-1,2,3-3/4 2 VIAL		70	104	0.6	38	210	10.00
174-04-3/4		109	112	0.8	31	160	4.00
174-07-3/4		46	32	0.2	24	400	10.00
174-08-3/4		156	44	0.2	104	205	2.70
174-09-3/4		157	51	0.3	102	<105	0.48
174-10-3/4		486	68	0.2	68	1690	6.00
175-01-3/4		104	64	0.3	56	65	10.00
175-4,5-3/4		56	23	0.1	36	10	10.00
175-09-3/4		107	22	0.5	30	70	7.00
175-10,11-3/4		126	82	0.4	36	40	10.00
175-12-3/4		98	91	1.9	41	<10	7.00
175-13-3/4		177	152	0.6	46	20	10.00
175-14-H		185	203	0.7	77	<25	2.00
176-3,4,5-3/4		80	29	<0.1	56	90	10.00
176-6,7-3/4		58	38	0.1	19	445	10.00
176-08-3/4		38	23	<0.1	8	165	10.00
176-09-H		130	89	<0.1	43	<70	0.70
176-10-3/4		279	21	<0.1	64	60	10.00
176-11-3/4		123	40	0.2	52	<10	8.00
176-12-3/4		195	209	1.1	87	7385	10.00
176-13-3/4		635	191	0.3	58	10	10.00
177-06-3/4		49	25	<0.1	17	5	10.00
177-07-3/4		82	31	<0.1	17	50	10.00
177-08-3/4		91	24	<0.1	17	45	10.00
177-9,10-3/4		42	13	0.2	18	10	10.00
177-11,12-3/4		104	71	0.3	48	345	10.00
177-14-3/4		212	178	0.7	109	20	8.00
177-15-3/4		467	344	0.8	480	20	10.00
177-17-3/4		259	532	3.5	64	30	10.00

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Geochemical Lab Report

REPORT: 016-3720 PROJECT: NONE

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm
178-1,2-3/4		28	14	<0.1	2	335	10.00
178-03-3/4		35	19	0.1	5	185	7.00
178-4,5-3/4		67	25	<0.1	13	<5	10.00
178-06-3/4		115	37	0.1	18	30	8.00
178-7,8-3/4		315	11	0.8	86	25	10.00
178-9,10-3/4		240	85	0.2	41	250	10.00
178-11-3/4		235	120	0.2	69	70	6.00
178-12-3/4		195	121	0.2	33	20	3.00
178-13-3/4		180	51	1.4	32	15	10.00
178-14-3/4		360	44	0.2	55	60	10.00
179-01-3/4		56	20	0.3	4	20	7.00
179-02-3/4		59	12	0.2	3	<10	5.00
180-01-3/4		150	23	<0.1	30	215	10.00
180-02-3/4		91	23	0.2	20	100	10.00
180-03-3/4		209	65	0.3	43	60	10.00

APPENDIX B

Certificates of Analysis - Bedrock

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Geochemical Lab Report

REPORT: 016-1862

PROJECT: NONE PAGE 1

BAR

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
EC-86-01-04		53	125	<0.1	2	15
EC-86-02-04		54	54	<0.1	2	<5
EC-86-03-01		104	90	0.1	2	<5
EC-86-04-02		67	153	<0.1	3	<5
EC-86-05-03		87	160	<0.1	3	<5
EC-86-10-08		86	40	<0.1	2	<5
EC-86-11-07		59	60	<0.1	<2	<5
EC-86-12-06		103	43	<0.1	4	<5
EC-86-16-05		197	645	0.3	2	10
EC-86-17-02		103	96	<0.1	2	<5
EC-86-18-02		74	105	<0.1	2	<5
EC-86-19-08		46	54	<0.1	2	<5
EC-86-20-09		69	82	<0.1	2	<5
EC-86-21-04		54	63	<0.1	5	<5
EC-86-22-09		37	119	<0.1	6	<5
EC-86-23-06		92	52	<0.1	<2	<5
EC-86-24-03		29	42	<0.1	3	<5
EC-86-25-11		51	76	<0.1	20	<5
EC-86-27-03		61	31	<0.1	<2	<5
EC-86-28-03		66	130	<0.1	4	<5
EC-86-32-09		109	545	0.1	645	<5
EC-86-33-04		74	92	<0.1	3	<5
EC-86-34-04		82	76	<0.1	<2	<5
EC-86-36-03		62	84	0.2	2	<5
EC-86-37-04		128	510	0.1	66	55
EC-86-38-04		106	730	0.1	26	5
EC-86-39-07		69	52	<0.1	4	<5
EC-86-40-23		125	40	0.4	60	<5
EC-86-41-13		97	200	<0.1	3	<5
EC-86-42-15		14	86	<0.1	3	<5
EC-86-43-08		37	44	<0.1	7	5
EC-86-44-06		52	66	<0.1	5	<5
EC-86-45-13		80	119	<0.1	146	<5
EC-86-46-06		235	345	0.5	70	20

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ontario,
Canada K1J 8X5
Phone: (613) 749-2220
Telex: 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 016-1896

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
EC-86-06-05		74	29	<0.1	<2	5
EC-86-07-02		48	34	<0.1	<2	<5
EC-86-09-07		25	22	<0.1	<2	<5
EC-86-13-08		61	46	<0.1	<2	<5
EC-86-14-12		107	66	<0.1	<2	<5
EC-86-15-08		95	58	<0.1	<2	<5
EC-86-22-08		43	117	<0.1	3	<5
EC-86-26-02		100	20	<0.1	<2	<5
EC-86-31-04		75	130	<0.1	<2	<5
EC-86-35-04		146	1424	0.2	10	<5
EC-86-47-03		99	78	<0.1	<2	<5

BAR

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ontario,
Canada K1J 8X5
Phone: (613) 749-2220
Telex: 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 016-1862

PROJECT: NONE TEX

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
EC-86-54-06		25	89	<0.1	3	<5

SWASTIKA LABORATORIES LIMITED
P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 63387

Date: June 27th, 1986

Received June 6th, 1986

Samples of Bedrock Chips

Submitted by M.P.H. Consulting Ltd., Toronto, Ontario

SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM	ZINC PPM	
83-06	Nil	Nil	6	5	BAR
84-02	Nil	Nil	209	16	

Note Arsenic results to follow.

Per G. Lebel
G. Lebel - Manager

ESTABLISHED 1928

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P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
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Certificate of Analysis

Certificate No. 63387 A

Date: July 7th, 1986

Received June 6th, 1986 14 Samples of Bedrock Chips

Submitted by M.P.H. Consulting Limited, Toronto, Ontario Project #C-856

SAMPLE NO.	ARSENIC PPM	
83-06	6	BRK
84-02	<1	

Per G. Lebel
G. Lebel - Manager

SWASTIKA LABORATORIES LIMITED
P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 63419 Date: July 2, 1986

Received June 10 & 13/86 17 Samples of bedrock chips

Submitted by M.P.H. Consulting Ltd., Toronto, Ontario proj#C-856

SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM	ZINC PPM
EC-86-85-15	20 Nil	Nil	45	120
85-15A	Nil	Nil	39	83
85-15B	Nil	Nil	47	76
86-03	Nil	0.7	615	447
86-03A	Nil	0.2	483	324
87-06	Nil	Nil	75	290
88-06	Nil	0.3	49	82
89-04	Nil	0.2	98	113
90-09	Nil	Nil	51	64
91-10	Nil	Nil	94	13
92-15	Nil	Nil	175	102
92-15A	Nil	Nil	51	30
92-15B	Nil	Nil	144	109

BAR

Per G. Lebel
G. Lebel, Manager

ESTABLISHED 1928

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TELEPHONE: (705) 642-3244
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Certificate of Analysis

Certificate No. 63419A   Date: July 4th, 1986

Received June 10 & 13, 1986   17   Samples of Bedrock Chips

Submitted by M.P.H. Consulting Limited, Toronto, Ontario   Project #C-856

SAMPLE NO.	ARSENIC PPM
EC-86-85-15	31
85-15A	<1
85-15B	<1
86-03	<1
86-03A	<1
87-06	<1
88-06	<1
89-04	<1
90-09	<1
91-10	<1
92-15	<1
92-15A	<1
92-15B	<1

BAR

Per
G. Lebel - Manager

SWASTIKA LABORATORIES LIMITED
P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
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Certificate of Analysis

Certificate No. 63606 Date: July 17th, 1986

Received June 24th, 1986 14 Samples of Bedrock Chips

Submitted by MPH Consulting Ltd., Toronto, Ontario

SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM	ZINC PPM	AS PPM	FROM PHONE CONVERSATION SEPT 3/86
122-10	Nil	0.2	69	36	2	BAR
123-10	Nil	0.4	98	1450	2	
123-10A	Nil	0.2	65	469	31	
124-02	Nil 10	Nil	205	41	21	
125-04	Nil	1.0	263	80	18	

NOTE: Arsenic results to follow.

Per G. Lebel
G. Lebel - Manager

SWASTIKA LABORATORIES LIMITED
P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

AUG 25 1986

Certificate of Analysis

Certificate No. 63980

Date: August 21st, 1986

Received August 11th, 1986 39 Samples of Bedrock Chips

Submitted by MPH Consulting Ltd., Toronto, Ontario

Page 1 of 2

SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM	ZINC PPM	
EC-86-126-18	Nil	Nil	85	106	BAR
141-10	Nil	Nil	113	225	BAR
142-04	Nil	Nil	157	60	

...... Con't

Per G. Lebel
G. Lebel - Manager

Member Canadian Testing Association

ESTABLISHED 1928

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
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Certificate of Analysis

Certificate No. 63980

SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM	ZINC PPM	
EC-86-144-08	Nil	Nil	53	64	BAR

Note: Arsenic results to follow.

Per G. Lebel
G. Lebel - Manager

Member Canadian Testing Association

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ontario,
Canada K1J 8X5
Phone: (613) 749-2220
Telex: 053-3233

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 016-3558

PROJECT: NONE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
EC-86-170-11-BD		58	29	<0.1	<2	<5
EC-86-171-23-BD		114	47	<0.1	2	<5
EC-86-172-04-BD		197	135	<0.1	<2	<5
EC-86-172-04A-BD		54	135	<0.1	<2	<5
EC-86-173-01-BD		99	124	<0.1	<2	<5
EC-86-174-11-BD		87	55	0.1	<2	<5
EC-86-175-16-BD		253	435	0.6	114	5
EC-86-176-14-BD		98	69	<0.1	<2	<5
EC-86-177-18-BD		46	60	<0.1	<2	<5
EC-86-177-19-BD		77	68	0.2	<2	<5
EC-86-178-15-BD		76	82	<0.1	<2	<5
EC-86-179-03-BD		75	107	<0.1	<2	<5
EC-86-179-03A-BD		43	125	<0.1	<2	<5
EC-86-179-03B-BD		47	118	<0.1	<2	<5
EC-86-180-04-BD		69	134	<0.1	3	<5

BAR

APPENDIX C

Reverse Circulation Drill Logs

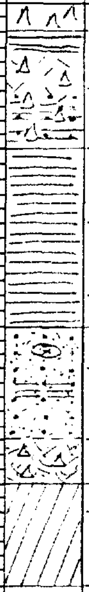
MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-001

Property/Area PETROMET (BAROQUE OPTION)/CASA BERARDI	Date(s) APRIL 25/86
Township CARHEIL	
Claim No.	Drilling Co. BRADLEY BROTHERS
Location L12+00E, 1+75(A.)N. (ABITIBI-ALICE GRID S)	Bit No. CB 68023
	Depth to bedrock 33'
Logged by D. MEYER	Total depth 40'
Sampler D. MEYER	Sample screening +10 MESH

Remarks START 9:00
FINISH 10:25



M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au(PPB)
					0-2': HUMUS					
					2'-5': DARK BROWN CLAY-RICH TILL?					
					5'-10': VERY CLAY-RICH GRAVELLY TILL					
	10				10'-22': LIGHT GREY CLAY (LACUSTRINE, HOMOGENEOUS)					
5	20									
			01	0	22'-30': FINE SAND AND ROUNDED GRAVEL, SAND RUSTY BROWN WITH SOME RUSTY FRAGMENTS	335	22	<0.1	8	170
			02	0	- DISTAL LITHOLOGIES (LS) 25' - GABBRO BOULDER	512	86	0.4	50	300
	30		03	1 ABR. 15% PY	26-27' POSSIBLE SILT HORIZON (DARK GREY RETURN)	1735	88	2.0	15	60
10			04		30-33': VERY CLAY-RICH TILL (LODGEMENT) 33': BEDROCK: FINE TO MEDIUM GRAINED MAFIC VOLCANIC	53	125	<0.1	2	15
	40				40' EOH					
15	50									
	60									
20	70									
25	80									
	90									

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole K-86-002

Property/Area Petromet (Baroque Option) /Casa Berardi

Township Carheil

Claim No.

Location L24+00E, 0+00N (Abitibi-Price Grid 5)

Logged by D. Meyer

Sampler D. Meyer

Date(s) Aug. 25/86

Drilling Co. Bradley Brothers

Bit No. C6 68023

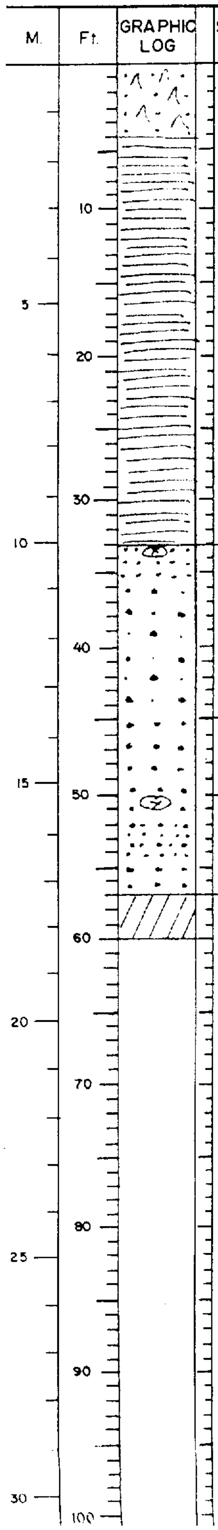
Depth to bedrock 57'

Total depth 60'

Sample screening +10 Mesh

Remarks Start 10:30

Finish 11:00



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL				
			Cu	Zn	Ag	As	Au(PPB)
		0-5': Stoney Humus (Recent)					
		5'-33': Lt. brown clay grading to light grey clay (Lacustrine) at 10'					
01	0	33'-57': Fine sand grading to sandy gravel at 35' and to coarse gravel at 45' 33' - Granite cobble 50-51' - Gabbro cobble /boulder 53-55' - Sandy lens (trouble with return) 55' - Predominance of proximal fragments	230	78	0.6	74	50
02	0		260	60	0.5	108	165
03	0		345	109	1.3	70	65
04		57' Bedrock: Medium-grained black mafic intrusive?	54	54	0.1	2	<5
		66' E of H.					

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-003

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI

Township CARHEIL

Claim No.

Location L 20+00E, 7+50(H) N (ABITIBI-PRICE GRIDS)

Logged by D. MEYER

Sampler D. MEYER

Date(s) AUG. 25/86

Drilling Co. BRADLEY BROTHERS

Bit No. CB 68025

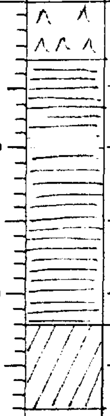
Depth to bedrock 22'

Total depth 28'

Sample screening -10 MESH

Remarks START 11:25

FINISH 2:00



M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL				
						Cu	Zn	Ag	As	Au (PPB)
					0-4': HUMUS					
					4'-22': LIGHT GREY CLAY (LACUSTRINE)					
	10									
5										
	20									
			01		22' BEDROCK: SERICITIC INTERMEDIATE TO MAFIC TUFF? - QZ-RICH FRAGMENTS + MINOR PY	104	90	0.1	2	<5
	30				28' EOH					
10										
	40									
15	50									
	60									
20										
	70									
	80									
25										
	90									
30	100									

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-004

Property/Area PETROMET (BALOQUE OPTION) CASA BERARDI

Township CARHEIL

Claim No.

Location L 32+00E, 15+00 (FT.) N (ABITIBI-PRICE GRID 5)

Logged by D. MEYER

Sampler D. MEYER

Date(s) APRIL 25/86

Drilling Co. BRADLEY BROTHERS

Bit No. CB 68025

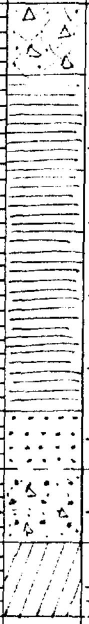
Depth to bedrock 37'

Total depth 42'

Sample screening +10 MESH

Remarks START 2:15

FINISH 3:35



M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL				
						Cu	Zn	Ag	As	Au (PPB)
					0-5': DARK BROWN GRAVELLY TILL WITH MATRIX OF SAND AND CLAY					
	10									
					5'-28': CLAY					
5										
	20									
					28'-32': SAND					
	30									
10			01	0	32'-37': SANDY FINE GRAVELLY TILL?	177	35	0.3	23	30
	40		02		37' BEDROCK: BLACK MAFIC TO ULTRAMAFIC VOLCANIC? Qz STRINGERS	67	153	<0.1	3	<5
15	50									
	60									
20										
	70									
	80									
25										
	90									
30	100									

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole SC-86-005

Property/Area PETROMET (BAROQUE OPTION)/CASA BERARDI

Township CARHEIL

Claim No.

Location L 28+00E, 7+00 (ft.) N (ABITIBI-PRICE GRIDS)

Logged by D. MEYER

Sampler D. MEYER

Date(s) APRIL 25/86

Drilling Co. BRADLEY BROTHERS

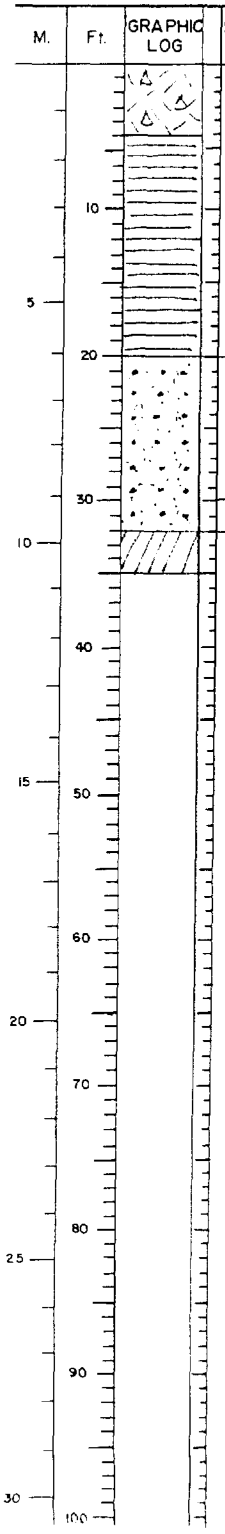
Bit No. 06 69025

Depth to bedrock 32'

Total depth 35'

Sample screening +10 MESH

Remarks START 3:50
FINISH 4:50



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL				
			Cu	Zn	Ag	As	Au (PPB)
		0-5': LIGHT BROWN CLAY-RICH TILL					
		5'-20': LIGHT GREY LACUSTRINE CLAY					
01	1 ABR.	20'-32': SANDY FINE GRAVELLY TILL / OUTWASH	704	65	0.5	30	8790
02	0		620	126	1.0	131	200
03		32' BEDROCK: FINE TO MEDIUM-GRAINED MAFIC VOLCANIC - qv/qz STRINGERS - MINOR DISS py ± po - TUFF?	87	160	<0.1	3	<5
		35' E of H					

MPH Consulting Limited

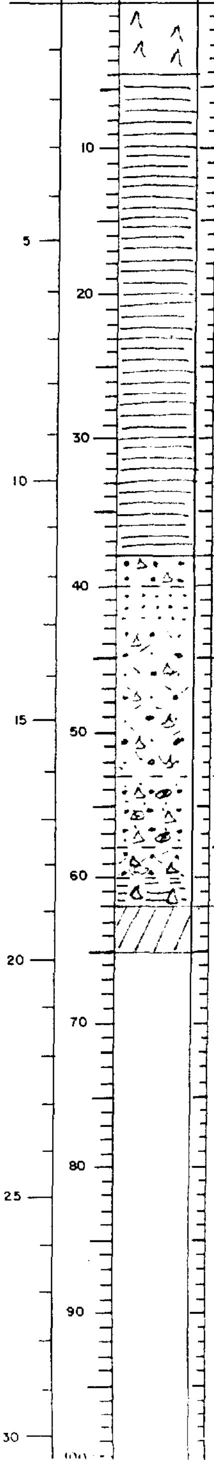
OVERBURDEN DRILL LOG

Hole EC-86-006

Property/Area PETROMET (BAROQUE OPTION)/(CASA BERARDI)
Township CARHEIL
Claim No.
Location L 36+00E, 8+00 (FT)S (ABITIBI-PRICE GRID 5)
Logged by D. MEYER
Sampler B. SINCLAIR

Date(s) APRIL 26/86
Drilling Co. BRADLEY BROTHERS
Bit No. CB 6P025
Depth to bedrock 62'
Total depth 65'
Sample screening +10 MESH

Remarks START 1:30
FINISH 3:30



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au (PPB)
		0-5': HUMUS					
		5'-38': LIGHT GREY CLAY					
01	NOT PROCESSED	38-40': SANDY GRAVELLY TILL? 40-42': SAND 42-52': SANDY FINE GRAVELLY TILL WITH 5% SILT/CLAY BALLS (LIGHT GREY)					
02	8 ABR.	43' - CLAST OF ARKOSE / IF (WITH PO ≤ .5%)	160	210	0.7	50	770
03		52'-58': COBBLY GRAVELLY TILL, MATRIX OF SAND/SILT, SOME CLAY COATING ON FRAGMENTS 58' - MORE CLAY-RICH					
04	0	60-62': LIGHT GREY CLAY-RICH TILL (LODGEMENT)	112	168	0.2	14	65
05		62': BEDROCK: MEDIUM-GRAINED MAFIC VOLCANIC / TUFF? - CHLORITIC WITH QZ FRAGMENTS, MINOR PY 65' EOH.	74	29	<0.1	<2	5

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole SC-86-007

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI

Township CARHEIL

Claim No.

Location L 44+00E, 0+00N (ABITIBI-PRICE GRID 5)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) APRIL 26/86

Drilling Co. BRADLEY BROTHERS

Bit No. CB 69025

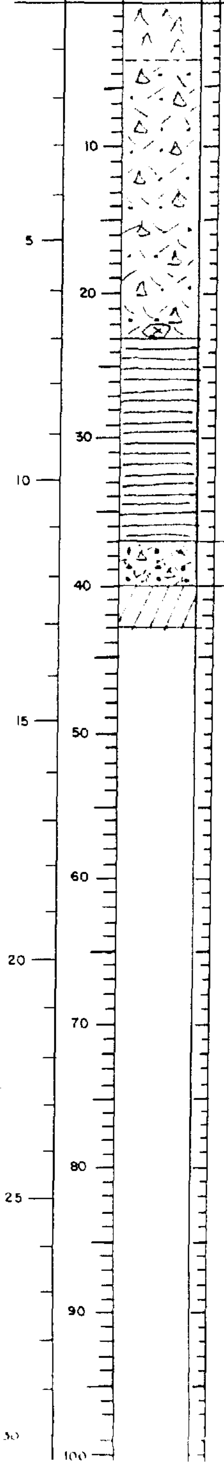
Depth to bedrock 40'

Total depth 43'

Sample screening +10 MESH

Remarks START 2:30

FINISH 4:45



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au (PPB)
		0-4': HUMUS					
		4'-23': TILL? - GRITTY CLAY BALLS AND LOSS WITH MINOR GRAVEL 22' - GABBRO BOULDER					
		23'-37 SOFT LACUSTRINE CLAY					
01	0	37'-40': GRAVELLY, SANDY TILL WITH 5% GRITTY CLAY BALLS	370	50	0.3	20	5
02		40' BEDROCK: MEDIUM-GRAINED DARK GREEN MASSIVE MAFIC VOLCANIC / INTRUSIVE MINOR SER, PY TUFF? 43' E of H.	48	34	<0.1	<2	<5

MPH Consulting Limited

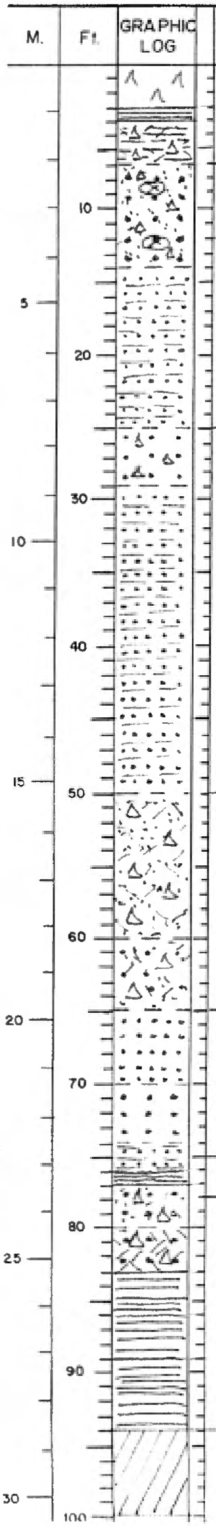
OVERBURDEN DRILL LOG

Hole EG-86-008

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI
Township CARHEIL
Claim No.
Location L 64+00E, 0+00N (ABITIBI-PRICE GRID 5)
Logged by D MEYER
Sampler G. SINCLAIR

Date(s) APRIL 29/86
Drilling Co. BRADLEY BROTHERS
Bit No. CB 68021, CB 68022
Depth to bedrock 94'
Total depth 100'
Sample screening +10 MESH

Remarks START 7:40
FINISH 11:40



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au (PPb)
01	1 ABR.	0-3': RECENT HUMUS 3'-4': LIGHT BROWN GRITTY CLAY 4'-7': CLAY-RICH TILL? 20-30%	55	36	<0.1	4	85
02	0	7'-14': COARSE GRAVELLY TILL WITH SANDY MATRIX 8' MAFIC VOLCANIC BOULDER 12'- DIABASE/GABBRO BOULDER	47	24	<0.1	4	<15
03	N.P.	14'-50': SILT AND FINE SAND WITH MINOR PEBBLES 25'-29' - GRAVELLY TILL LENS, MATRIX OF SAND WITH MINOR CLAY					
04	N.P.						
05	1 ABR.	50'-65': SANDY GRAVEL TILL BECOMING MORE COARSE AT 60', MINOR CLAY CONTENT	148	136	0.6	38	575
06		65'-76': SANDS AND GRAVELS 65-70' - FINE GRAVEL AND SORTED SAND (POSSIBLY REPRESENTS TOP OF LOWER TILL SEQUENCE) 70' - MORE PROXIMAL GRAVEL 73' - MAFIC VOLCANIC FRAGMENTS WITH 10% PY 74-76' - SAND + SILT					
07	1 ABR.	76-77': LIGHT GREENISH CLAY	98	66	0.1	25	200
08		77-80': SANDY COBBLY TILL 80-83': CLAY-RICH (MEDIUM BROWN) SANDY TILL 83'-94': LIGHT GREY LACUSTRINE CLAY					
		94' BEDROCK: FINE TO MEDIUM-GRAINED MAFIC VOLCANIC/ TUFF, WEAKLY FOLIATED, LIGHT GREEN, MINOR QTZ VEINING 100' E of H.					

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-009

Property/Area PETROMET (BAROQUE OPTION) CASA BERARDI

Township CARHEIL

Claim No.

Location L 116+00E, 16+00 (ft) S (ABITIBI-PRICE GRIDS)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) APRIL 27/86

Drilling Co. BRADLEY BROTHERS

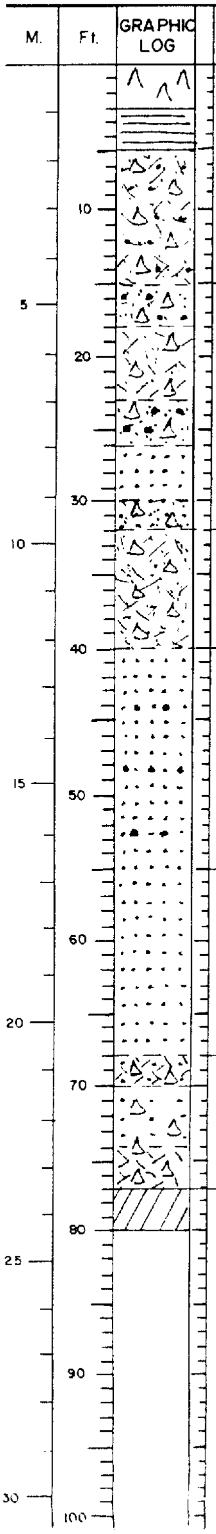
Bit No. C6 68022

Depth to bedrock 77'

Total depth 80'

Sample screening +10 MESH

Remarks START 1:15
FINISH 2:45



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au (PPB)
01	N.P.	0-3': RECENT HUMUS 3'-8': VARVED LIGHT BROWN/DARK BROWN CLAY 5'-15': MEDIUM BROWN VERY CLAY-RICH, GRAVELLY TILL WITH MINOR SAND IN MATRIX 15'-18': SANDY FINE PEBBLY TILL					
02	N.P.	18'-23': LIGHT GREY CLAY-RICH TILL 23-26': SANDY PEBBLY TILL 26'-30': SAND 30'-32': SANDY, GRAVELLY TILL					
03	0	32-40': CLAY-RICH TILL (SIMILAR TO ABOVE TILL WITH 60% GRITTY CLAY-BALLS)	79	18	0.2	3	25
04	0	40-68': SAND AND FINE GRAVEL 48' - RUSTY, FINE TO MEDIUM-GRAINED MAFIC VOLCANIC / GABBRO FRAGMENTS 52' - LIMESTONE PEBBLE	60	14	<0.1	3	55
05	0		73	29	<0.1	19	120
06	0	68'-70': PRESENCE OF LIGHT GREY CLAY CHIPS IN SANDY, GRAVEL TILL 70'-74': COARSE GRAVEL 74-77': VERY CLAY-RICH TILL, 50% GRITTY CLAY-BALLS AND FINE GRAVEL	124	118	<0.1	19	90
07		77' BEDROCK: CHLORITIC MEDIUM-GRAINED MAFIC VOLCANIC / INTRUSIVE (GABBRO) 80' EOH.	25	22	<0.1	22	<5

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-010

Property/Area PETROMET (BAROQUE OPTION)/CASH REXALL
Township CAHETIC
Claim No.
Location L 10+00 E, 29+50 S (ANTLER-PRICE GRID S)

Logged by L. MEIER
Sampler S. SINCLAIR

Date(s) APRIL 27,28/86
Drilling Co. BRADLEY BROTHERS
Bit No. CL 68020
Depth to bedrock 59'
Total depth 62'
Sample screening +10 MESH

Remarks START 4:00 (APRIL 27)
FINISH 10:10 (APRIL 28)

M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL				
						Cu	Zn	Ag	As	Au (PPB)
					0-5': RECENT HUMUS					
	10				5-15': VARVED CLAY, LIGHT TO DARK GREY					
5	20		01	0	15'-25': SANDY GRAVELLY TILL, 5-10% LS. 20-23' - CLAY-BEARING EQUIVALENT OF GRAVELLY TILL	235	118	1.0	60	95
	30		02	0	25'-33': MEDIUM GREY CLAY GRADING TO LODGEMENT TILL AT 30'	104	52	0.3	21	35
10			03		33'-35': SANDY FINE GRAVELLY LENS					
	40		04	0	35-45': LODGEMENT TILL, 15-20% FINE GRITTY CLAY BALLS IN FINE TO MEDIUM GRAVEL - MATRIX IS LIGHT GREY FINE SAND/SILT	148	152	0.5	14	4190
15	50		05	0	45-52': COARSER, LESS CLAY PRESENT - APPARENTLY MORE LOCAL LITHOLOGIES	250	128	0.5	33	35
			06		52-56' - COBBLY, GRAVEL TILL					
			07	1 ABR.	56-59' - MEDIUM GREY GRITTY CLAY BALLS IN ABOVE TILL	390	36	0.7	23	280
	60		08		59' BEDROCK: DARK GREEN-BLACK FINE-GRAINED MAFIC VOLCANIC/GWKE QUARTZ FRAGMENTS + VEINS	86	90	<0.1	2	<5
					62' EofH.					
20	70									
25	80									
	90									
30	100									

MPH Consulting Limited

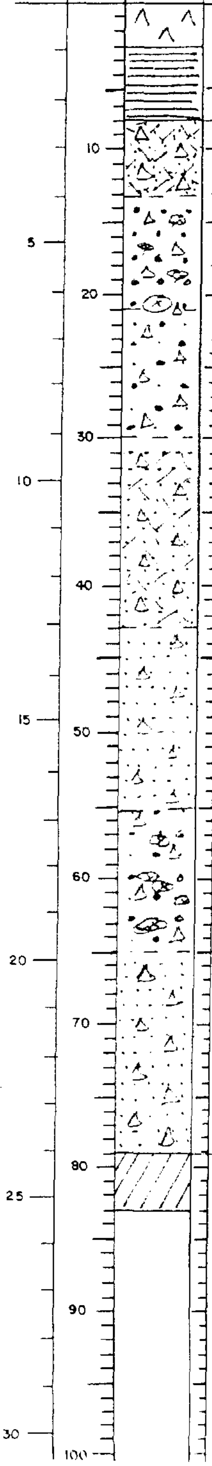
OVERBURDEN DRILL LOG

Hole EC86-31

Property/Area PETROMET (BARDONE OPTION)/CASA BERARDI
Township CARHEIL
Claim No.
Location 96+00E, 22+00(?)S (ABITIBI-PRICE GRID S)
Logged by L. MEYER
Sampler G. SINCLAIR

Date(s) APRIL 28, '86
Drilling Co. BRADLEY BROTHERS
Bit No. CB 68020
Depth to bedrock 79'
Total depth 83'
Sample screening +10 MESH

Remarks START 11:10
FINISH 12:55



M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL Cu	Zn	Ag	As	Au(ppb)
					0-3': HUMUS 3'-8': SLIGHTLY SANDY BROWN CLAY					
			01	0	8'-13': TILL: SANDY, PEBBLY VERY CLAYEY (15-20% GRITTY LIGHT BROWN CLAY BALLS) 13'-21': COARSE GRAVELLY AND COBBLY TILL 20' - DIABASE BOULDER	303	40	0.1	14	25
			02	1ABR.	21'-30': FINE GRAVELLY, SANDY TILL	38	25	<0.1	2	330
			03	0	30'-43': CLAY/SILT BALLS IN ABOVE TILL AND VERY SANDY	200	92	0.8	58	165
			04	0	43'-79': VERY SANDY FINE GRAVELLY TILL WITH MORE PROXIMAL LITHOLOGIES (MAFIC VOLCANIC, IF) - MATRIX IS GREENISH SAND 55-65' - MORE COBBLY HORIZON 48-49' RUSTY COLOURED SAND 60-61' DISTINCTIVE BOULDER OF PURPLISH QZ-EYE TUFF / INTRUSIVE 63-64' NORITE BOULDER	240	26	0.2	39	115
			05		65'-79' - VERY SANDY FINE GRAVELLY TILL WITH LIMESTONE PEBBLES, LAYERS OF UPTO 60% SAND					
			06	0		200	60	0.2	19	10
			07		79' BEDROCK: FINE TO MEDIUM-GRAINED MAFIC VOLCANIC/TUFF - QTZ VEINING, MINOR DISSEMINATED PY - DARK GREEN-BLACK 83' EOH.	59	60	<0.1	<2	<5

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-012

Property/Area PETROMET (BAROQUE OPTION)/CASA BERARDI

Township CARHEIL

Claim No.

Location L 80+00E, 20+00(ft.) S (ABITIBI-PRICE GRID 3)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) APRIL 22/86

Drilling Co. BRADLEY BROTHERS

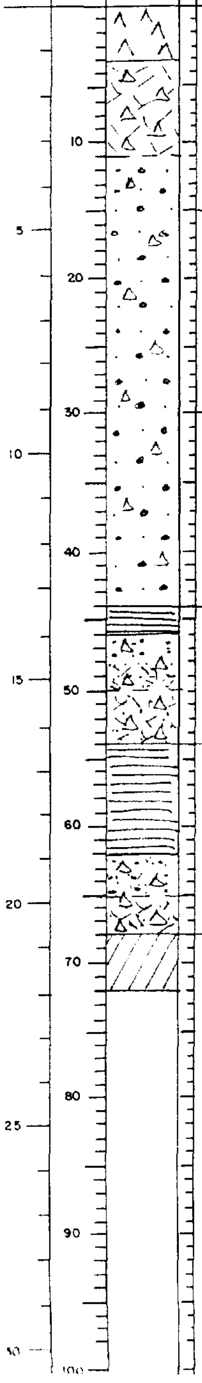
Bit No. C6 68020

Depth to bedrock 68'

Total depth 72'

Sample screening +10 MESH

Remarks START 1:30
FINISH 3:50



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au(PPB)
		0-4': RECENT HUMUS					
01	N.P.	4'-11': TILL: FINE PEBBLES AND MEDIUM BROWN SILTY CLAY BALLS 11-44': FINE GRAVELLY SANDY TILL / FLUVIOGLACIAL OUT-WASH					
02	N.P.						
03	N.P.						
04	0	44-46': MEDIUM GREY COMPACTED CLAY 46-50': MIXED PEBBLY, SAND-RICH / CLAY, SAND-RICH TILL HORIZONS 50'-54': SANDY, GRITTY CLAY-RICH LODGEMENT TILL	58	34	<0.1	33	<10
05	0	54'-62': DARK BROWN HARD CLAY (LACUSTRINE) 62-65': SANDY FINE GRAVELLY TILL 65-68': CLAY-BEARING EQUIVALENT OF ABOVE TILL, 15-20%	45	66	0.1	11	10
06		GREY, GRITTY CLAY BALLS 68' BEDROCK: FINE-GRAINED INT-MAFIC VOLCANIC DARK GREEN, CHLORITIC LOCALLY 72' E of H.	103	43	<0.1	4	<5

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-013

Property/Area PETROMET (SAROQUE OPTION)/CASA BERARDI

Township CARHEIL

Claim No.

Location L 80+00 E, 10+00(A)N (ABITIBI-PRICE GRIDS)

Logged by D MEYER

Sampler G. SINCLAIR

Date(s) AUG 29/86

Drilling Co. BRADLEY BROTHERS

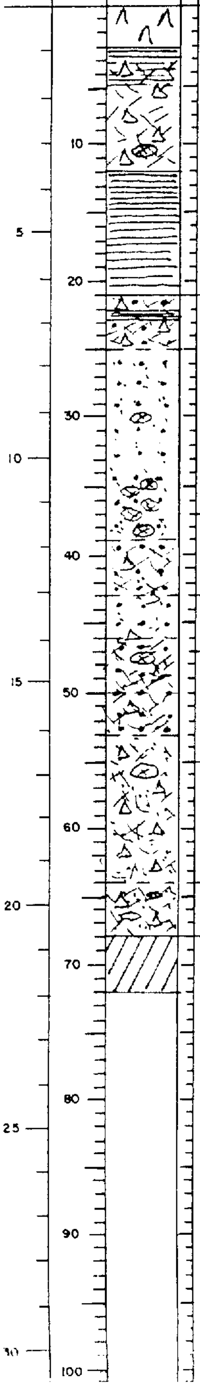
Bit No. C6 68020

Depth to bedrock 68'

Total depth 72'

Sample screening +10 MESH

Remarks START 7:50
FINISH 9:45



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au (PPB)
01	0	0-3' RECENT HUMUS 3'-12': MEDIUM BROWN CLAY GRADING INTO MEDIUM BROWN CLAY/SILT-RICH FINE GRAVELLY TILL 10' GRANODIORITE BOULDER 12'-21': LACUSTRINE CLAY, LIGHT GREY TO BUFF	100	33	<0.1	16	95
02	0	21'-25': FINE GRAVELLY CLAY/SAND-BEARING TILL WITH LIMESTONE FRAGMENTS 22'-23' CLAY LAYER SAME AS ABOVE 25'-39': FINE GRAVELLY/SANDY TILL? FLUVIOGLACIAL OUTWASH 29-30' GRANODIORITE COBBLE	2075	53	0.7	41	15
03	0	34' PREDOMINANTLY GRANITE, GRANODIORITE COBBLES WITH SAND 37'-39' GRANODIORITE BOULDER	1000	40	1.1	45	65
04	0	39'-53': LAYERS OF CLAY/SILT BALLS IN ABOVE TILL, MIXED WITH CLAY-BARREN LAYERS	460	70	0.7	38	130
05	0	43' - SOME FRAGMENTS OF PY-BEARING FELSIC VOLCANICS/INTRUSIVES AND SOME PY-BEARING MAFIC VOLCANICS 47' - MAFIC VOLCANIC BOULDER	280	250	0.4	89	55
06	0	53'-64': FINE TO MEDIUM GRAVELLY TILL, LIGHT BROWN SAND MATRIX AND MINOR CLAY-COATING ON SOME FRAGMENTS	250	124	0.7	50	155
07	0	64-67': CLAY-BEARING EQUIVALENT OF ABOVE TILL, VERY-CLAY-RICH 67-68'	124	60	0.1	13	30
08		68' BEDROCK: MEDIUM-GRAINED INT. TO MAFIC VOLCANIC/TUFF QTZ FRAGMENTS AND MINOR PY	61	46	<0.1	<2	<5
		72' EofH.					

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-014

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI

Township CARHEIL

Claim No.

Location L 80+00 E, 25+00 (F.L.) N (ABITIBI-PRICE GRIDS)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) APRIL 29/86

Drilling Co. BRADLEY BROTHERS

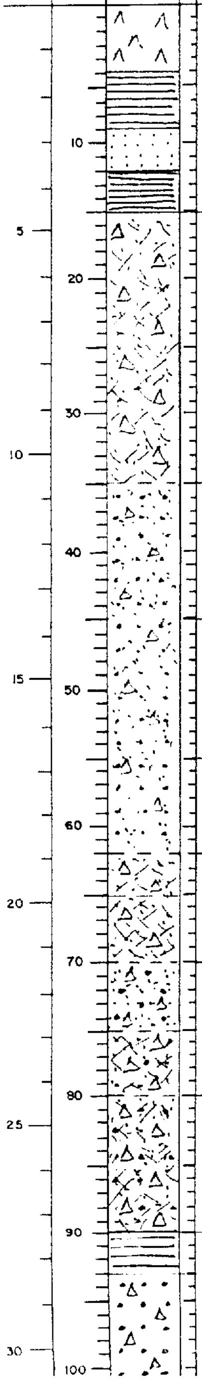
Bit No. 8000082

Depth to bedrock 132'

Total depth 135'

Sample screening +10 MESH

Remarks START 10:00
FINISH 1:35

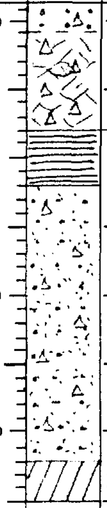


SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au(PPB)
		0-5': HUMUS 5'-9': DARK BROWN CLAY 9'-12': SAND + MINOR GRAVEL 12'-15': LIGHT GREY CLAY					
01	0	15'-35': CLAY-RICH (MED-GREY) GRAVELLY SILTY TILL 34' SOME FRAGMENTS OF HEAVILY FeCb ALTERED ROCK (RUSTY BLEBS UP TO 50%)	265	136	0.6	52	45
02	0	35-62': VERY SANDY, FINE GRAVELLY ABLATION TILL/ OUTWASH 53' FRAGMENTS OF MASSIVE PY	230	240	1.2	64	40
03	0		290	220	1.2	76	90
04							
05	1 ABR.	62-80': SANDY CLAY-BEARING EQUIVALENT OF ABOVE UNIT 65-70 -BECOMING VERY CLAY-RICH 70-75' -SANDY HORIZON 75-80' -CLAY IN ABOVE TILL	39	172	1.1	43	1950
06							
07	0	80-90': PEBBLY, CLAY-RICH TILL	92	49	<0.1	45	125
		90-93': DARK GREY CLAY, VERY HARD AND COMPACT					
08	1 ABR.	93-101': SANDY GRAVELLY TILL WITH 10-20% SILTY CLAY BALLS	155	124	0.4	63	155

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole ZC-86-014



						ANALYTICAL				
M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au(PPB
	100									
			09	0	95'-GRADING INTO SANDY FINE GRAVELLY OUTWASH WITH 10-15% BUFF-COLOURED LIMESTONE PEBBLES	246	106	0.4	114	15
	110									
35			10	0	101'-108': 60-70% SILTY GREY CLAY BALLS AND MINOR GRAVEL CHIPS - GOOD LODGEMENT TILL 103'-104' MAFIC VOLCANIC BOULDER 108-112': VARVED CLAY 112'-132': SANDY GRAVELLY TILL, DISTAL LITHOLOGIES (LS PEBBLES) AND PY-BEARING FUKE FRAGMENTS	197	50	0.4	48	115
	120									
	130		11	0		175	66	<0.1	7	35
40			12		132': BEDROCK: MEDIUM-GRAINED INTERMEDIATE VOLCANIC SERICITIC LOCALLY, QTZ VEINING MEDIUM-GREEN	107	66	<0.1	<2	<5
	140				135' EofH.					
45										
	150									
	160									
50										
	170									
55	180									
	190									
60										
	200									
	210									
65										
	220									

MPH Consulting Limited

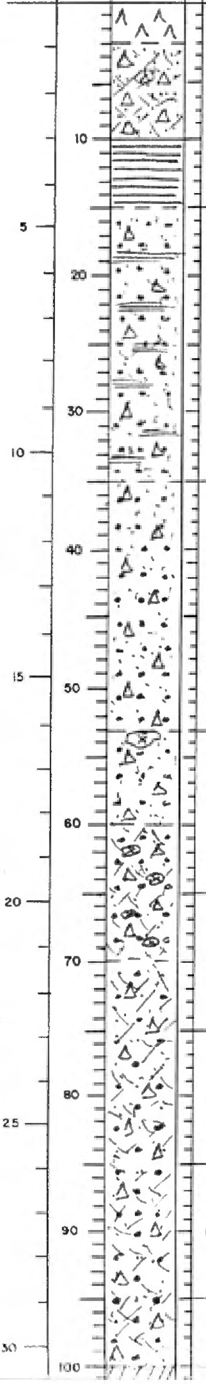
OVERBURDEN DRILL LOG

Hole EC-86-015

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI
Township CALHEIL
Claim No.
Location L 60+00 E, 16+00 (ft.) N (ABITIBI-PRICE GRIDS)
Logged by D. MEYER
Sampler G. SINCLAIR

Date(s) APRIL 24/86
Drilling Co. BRADLEY BROTHERS
Bit No. B 000082
Depth to bedrock 100'
Total depth 105'
Sample screening +10 MESH

Remarks START 2:00
FINISH 5:00



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au (PPB)
		0-3': RECENT HUMUS 3'-10': MEDIUM-BROWN CLAY-RICH TILL ((COCHRANE) 4'-4.5' LS COBBLE 10-15': LIGHT GREY LACUSTRINE CLAY					
01	0	15'-35': FINE GRAVELLY SANDY TILL WITH 5% SILT-BALLS (LIGHT GREY) - NUMEROUS GREENISH-GREY CLAY-RICH LENSES	57	36	0.2	12	1090
02	0	35'-60': FEWER CLAY LENSES AND LESS CLAY IN MATRIX OF TILL 53-54' MAFIC VOLCANIC BOULDER	184	370	0.3	29	110
03 04	0	60-70': MORE COARSE WITH SLIGHT CLAY COATING ON SOME GRAVEL - FRAGMENTS OF BANDED CHERT / MAGNETITE, PY I.F. @67' 70'-100': FINE GRAVEL WITH SILTY / SANDY MATRIX 15-20% SILTY CLAY BALLS (GREY)	300	180	0.6	80	360
05 06	0		240	H8	0.8	63	25
07	0	100 BEDROCK: FINE-GRAINED SCHISTOSE INT. TO MAFIC VOLCANIC MEDIUM GREEN	316	136	03	22	15

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole R-86-015

M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL Cu	Pb	Ag	As	Au(ppb)
	100	▨	08		105' E of H.	95	58	<0.1	<2	<5
	110									
35										
	120									
	130									
40										
	140									
45										
	150									
	160									
50										
	170									
55	180									
	190									
60										
	200									
	210									
65										
	220									

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-016

Property/Area PETROMET (CAHOQUE OPTION)/CASA BERARDI

Township CARHEIL

Claim No.

Location L 58+00E, 16+00 (FT.) N (ABITIBI-ALICE GRIDS)

Logged by L. MEYER

Sampler G. SINCLAIR

Date(s) APRIL 30/86

Drilling Co. BRADLEY BROTHERS

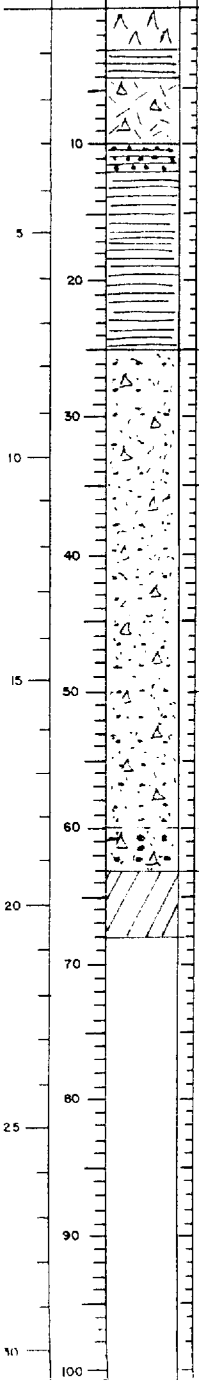
Bit No. R0000 P3

Depth to bedrock 63'

Total depth 68'

Sample screening +10 MESH

Remarks START 9:10
FINISH 9:30



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au (PPb)
		0-3': RECENT HUMUS 3'-5': VARVED CLAY 5'-10': MEDIUM-BROWN SANDY GRAVELLY TILL, CLAY-RICH 10'-12': LIGHT BROWN GRITTY CLAY 12'-25': LIGHT BROWN SOFT CLAY					
01	1 ABR.	25-60': SANDY FINE PEBBLY TILL / ABLATION TILL OR FLUVIOGLACIAL	124	54	<0.1	47	55
02	5 ABR. 2% PY		90	40	<0.1	26	110
03	0		121	36	0.2	15	270
04	0	60-63': COARSE GRAVELLY TILL - POSSIBLY MORE PROXIMAL LITHOLOGIES	315	560	0.5	14	10
05		68' BEDROCK: MAGNETITE-GRAPHITE I.F. WITH UPTO 30% DISSEMINATED, STRINGER AND MASSIVE PY+PO - BLACK, FINE-GRAINED 68' EofH.	197	645	0.3	2	10

MPH Consulting Limited

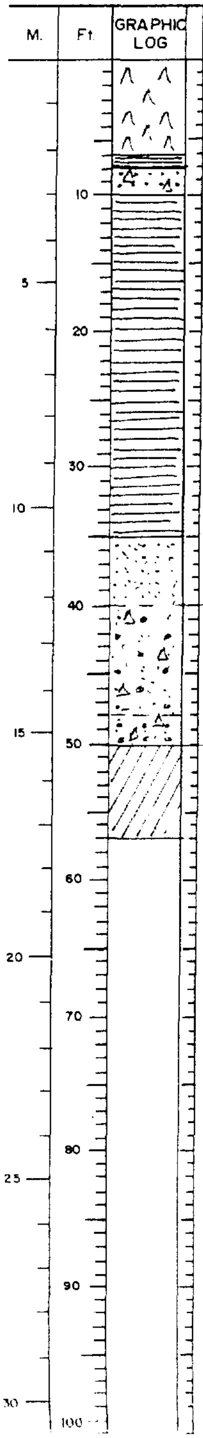
OVERBURDEN DRILL LOG

Hole EC-86-07

Property/Area PETROMET (BAROQUE OPTION)/CASABERARDI
Township CARHEIL
Claim No.
Location L24+00E, 9450(ft.) N (ABITIBI-PRICE GRIDS)
Logged by D. MEYER
Sampler G. SINCLAIR

Date(s) APRIL 30/86
Drilling Co. BRADLEY BROTHERS
Bit No. B00005
Depth to bedrock 50'
Total depth 57'
Sample screening +10 MESH

Remarks START 10:00
FINISH 10:40



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au(PPB)
		0-7': RECENT HUMUS					
		7-8': CLAY					
		8'-10': SANDY CLAYEY FINE GRAVELLY TILL					
		10'-35': LIGHT GREY SOFT LACUSTRINE CLAY					
		35-40': SAND WITH MINOR FINE GRAVEL					
01	0	40-48': SANDY GRAVELLY TILL WITH 5% LIMESTONE FRAGMENTS 48'-50': SLIGHTLY MORE COARSE GRAVEL	211	96	0.4	22	35
02		50' BEDROCK: FINE TO MEDIUM-GRAINED MAFIC TUFF - MEDIUM GREEN, QTZ FRAGMENTS, WEAKLY FOLIATED / SCHISTOSE 57' E of H.	103	96	<0.1	2	<5

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole BC-86-018

Property/Area PETROMET (BAROQUE OPTION) CASA BERARDI

Township CARHEIL

Claim No.

Location L 20+00E, 8+50(ft.)N (ABITIBI-PRICE GRIDS)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) APRIL 30/86

Drilling Co. BRADLEY BROTHERS

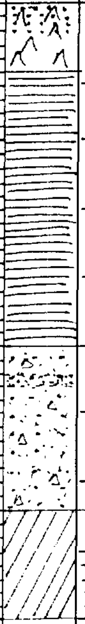
Bit No. B0000P3

Depth to bedrock 38'

Total depth 45'

Sample screening +10 MESH

Remarks START 11:00
FINISH 12:00



M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au(PPB)
					0-5': ROAD-BED GRAVEL + HUMUS					
					5'-25': LIGHT GREY CLAY					
			01	0	25'-37': SANDY FINE GRAVELLY TILL / FLUVIOGLACIAL 27-28' OXIDIZED LAYER, RUSTY REDDISH SAND + OXIDIZED RUSTY GRAVEL	32	16	<0.1	<2	10
			02		37' BEDROCK: 37-38': OXIDIZED, RUSTY RIND 38': CLEANER BEDROCK: FINE-GRAINED MAFIC TUFF-SILICIFIED, QTZ STRINGERS WITH ASSOCIATED PY ±2% 42': SEAM WITH SOME GRAVEL + SAND, MUCH OXIDIZED BEDROCK	74	105	<0.1	2	<5
					45' E of H.					

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-019

Property/Area Petromet 'Baroque Option'/Casa Berardi

Township Carheil

Claim No.

Location L 56+00E, 31+00(ft.)N (West to Road)
(Abitibi-Price Grid 5)

Logged by D. Meyer

Sampler G. Sinclair

Date(s) April 30/86

Drilling Co. Bradley Brothers

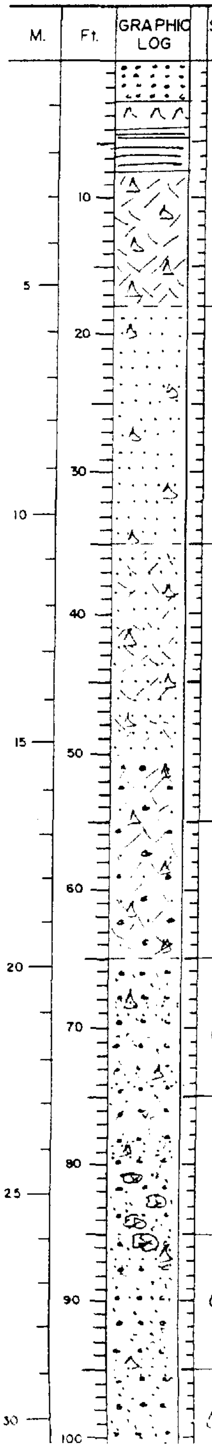
Bit No. B000083, B000080

Depth to bedrock 105'

Total depth 110'

Sample screening +10 Mesh

Remarks Start 12:15
Finish 3:45



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL				
			Cu	Zn	Ag	As	Au(PPB)
		0-3': Road bed 3'-5': Humus 5'-8': Gritty clay 8'-18': Light brown clay-rich till					
01	0	18'-35': Very sandy fine pebbly ablation till / fluvio-glacial outwash	39	35	<0.1	5	30
02	0	35'-50': Sand with minor clay chips 50'-65': Minor fine gravel in sand 55-65': 5% silty clay balls in fine sand and assorted pebbles	220	144	1.1	87	185
03							
04		65-105': Graded beds of fine gravel - cs. gravel fluvioglacial? 86' boulders and cobbles					
05	0	85-87' boulder of cs. grained mafic intrusive	330	152	0.8	76	435
06	0		340	172	0.5	56	125
07	0		329	182	0.5	44	30

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC 86-019

M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL Cu	Zn	Ag	As	Au(PPB)
	100		07							
			08		105' BEDROCK: FINE TO MEDIUM GRAINED INT. TO MAFIC VOLCANIC -MEDIUM GREEN, LOCALLY CHLORITIC, 1-2% QTZ.	46	54	<0.1	2	<5
	110				110' E of H.					
35										
	120									
	130									
40										
	140									
45										
	150									
	160									
50										
	170									
	180									
55										
	190									
60										
	200									
	210									
65										
	220									

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-020

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI

Township CATHOL

Claim No.

Location L 40+300 E, 11+00 (ft.) N (NORANDA GRID 3-74)

Logged by J. MEYER

Sampler G. SINCLAIR

Date(s) APRIL 30/86

Drilling Co. BRADLEY BROTHERS

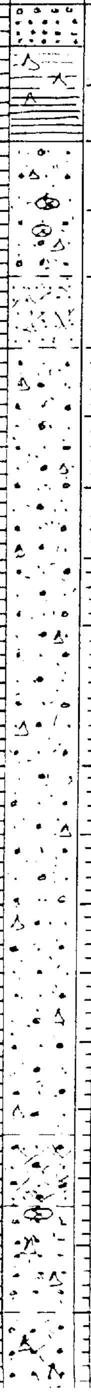
Bit No. BOOOOEO

Depth to bedrock 121'

Total depth 134'

Sample screening +10 MESH

Remarks START 7:30
FINISH 11:00

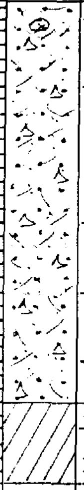


M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL				
						Cu	Zn	Ag	As	Au(ppb)
					0-3': ROAD BED					
					3'-10': DARK BROWN CLAY + HUMUS					
5	10 20				10'-82: SANDY GRAVELLY ABLATION TILL / FLUVIOGLACIAL OUTWASH WITH SANDY LENSES 14' FELSIC INTRUSIVE BOULDER 16' COBBLE OF FELSIC VOLCANIC WITH DISS. PY 20-25': FINESAND AND MINOR CLAY CHIPS					
10 15	30 40 50		01	0		12	42	<0.1	4	<10
	60		02	0		83	34	<0.1	23	165
20	70 80		03	0	82-90': 20% SILTY, LIGHT GREY CLAY BALLS IN ABOVE MATERIAL TILL?	86	73	<0.1	19	45
25			04	0	87-88' MAFIC VOLCANIC BOULDER WITH 5% PY IN STRINGERS	231	50	0.2	25	65
	90		05	1 ABR.	90'-128' COBBLY, COARSE GRAVELLY TILL	240	200	0.4	77	1230
30	100		06	0		330	152	1.0	53	170

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-020



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au(PPB
06		PYRITE IN FRAGMENTS OF QZ, SCHISTOSE GWKE AND PY FACIES IF.					
07	0	95-98' - 5% CLAY BALLS IN ABOVE TILL 100': MAFIC VOLCANIC COBBLE	306	128	0.7	62	145
08	0		413	92	0.5	47	170
09		128' BEDROCK: FINE TO MEDIUM-GRAINED INT. TO MAFIC VOLCANIC - QTZ STRINGERS / FRAGMENTS AND SOME ASSOCIATED SERICITE ALTERATION 134' E of H.	69	82	<0.1	2	<5

M.: 35, 40, 45, 50, 55, 60, 65

Ft.: 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-021

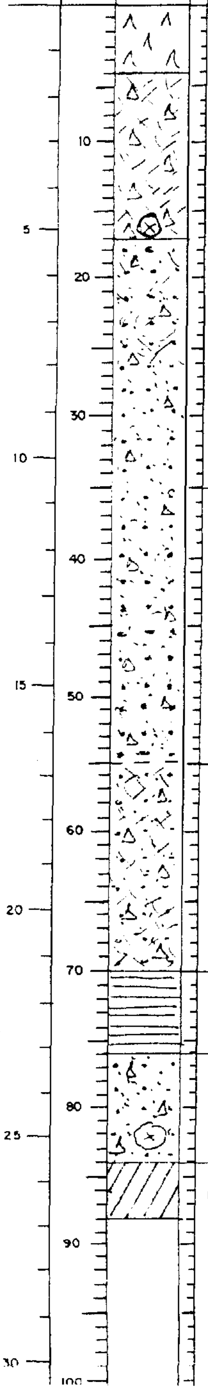
Property/Area PETROMET (BAROQUE OPTION)/CASA BERARDI
Township CARHEIL
Claim No.
Location L28+00E, 10+50(FL)N (NORANDA GRID 3-79)

Logged by D. MEYER
Sampler G. SINCLAIR

Date(s) MAY 1/86

Drilling Co. BRADLEY BROTHERS
Bit No. B00079
Depth to bedrock 84'
Total depth 88'
Sample screening +10 MESH

Remarks START 11:30
FINISH 1:00



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL				
			Cu	Zn	Ag	As	Au
		0-5' RECENT HUMUS					
		5'-17' LIGHT BROWN CLAY-RICH TILL 15-17' MAFIC VOLCANIC BOULDER					
		17-70': SANDY FINE GRAVELLY TILL, LIGHT BROWN SAND +CLAY GRADING TO FINE SAND + FINE TO MEDIUM ROUNDED GRAVEL					
01	0		117	49	<0.1	17	170
02	1 ABR.	55'-70': PRESENCE OF GREY GRITTY CLAY BALLS IN ABOVE TILL → CLAYEY TILL	165	29	0.6	29	20
		70-76': GREENISH-GREY LACUSTRINE CLAY					
03	0	76-84': SANDY FINE TO MEDIUM GRAVELLY /PEBBLY TILL 81-83' MAFIC VOLCANIC BOULDER	240	72	0.6	43	115
04		84' BEDROCK: FINE TO MEDIUM-GRAINED INT TO MAFIC VOLCANIC - MEDIUM-GREEN	54	63	<0.1	5	<5
		88' E of H.					

MPH Consulting Limited

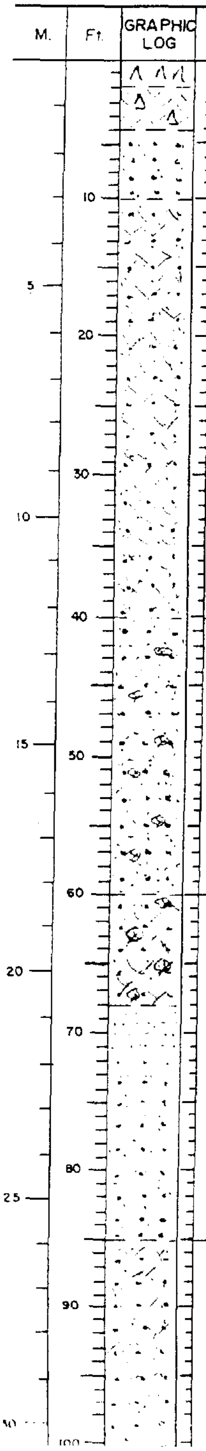
OVERBURDEN DRILL LOG

Hole ES86-022

Property/Area PETROMET (BAROQUE OPTION)/CASA BERARDI
Township CARHEIL
Claim No.
Location L 28+00E, 13+50(ft.)N (NORANDA GRID 3-79)
Logged by D. MEYER
Sampler G. SINCLAIR

Date(s) MAY 1,2/86
Drilling Co. BRADLEY BROTHERS
Bit No. B000079
Depth to bedrock 137'
Total depth 155'
Sample screening +10 MESH

Remarks START 1:15
FINISH 4:40



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL				
			Cu	Zn	Ag	As	Au
		0-2': HUMUS 2'-5': LT. TO RUSTY BROWN CLAY-RICH TILL 5'-10': SAND AND FINE PEBBLES 10'-40': 10-15% CLAY/SILT BALLS IN ABOVE SAND AND PEBBLES					
01	0	40-60'. CS. GRAVELLY/COBBLY TILL WITH MATRIX OF GREY BUFF SAND/SILT.	190	90	0.3	41	215
02	0	60-68': LT. GREY CLAY BALLS IN ABOVE TILL 68'-85': GREY SILT AND SAND GRADING TO MORE GRAVEL PRESENT AT 75'	230	160	0.5	79	80
03	0	85-110': SOME LIGHT GREY CLAY/SILT BALLS IN TILL, VERY SANDY	123	80	0.3	20	290

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-022

M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL Cu	Zn	Ag	As	Au
	100		03		102-104': MEDIUM GREY LACUSTRINE CLAY					
			04	0		205	75	0.2	19	650
	110		05	0	110'-125': COARSE GRAVELLY/COBBLY TILL 113-114' - MAFIC VOLCANIC BOULDER	320	64	<0.1	81	75
35	120		06	0		510	130	0.6	6.2	15
					125'-130': FINE PEBBLES AND SAND					
40	130		07	0	130-135': 5-10% GRITTY LIGHT GREY CLAY IN MEDIUM GRAVELLY TILL 135-137': DARK GREENISH GREY CLAY	286	80	0.3	63	150
	140		08		137': BEDROCK: INTERMEDIATE TO MAFIC SCHIST (VOL.) SHEARED, CHLORITIC, SERICITIC WITH RUSTY PATCHES	43	117	<0.1	3	<5
45	150		09			37	119	<0.1	6	<5
					155' E of H.					
	160									
50										
	170									
55	180									
	190									
60	200									
	210									
65										
	220									

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole BC-86-023

Property/Area PETROMET (BAROQUE OPTION)/[illegible]

Township

Claim No. CARHEIL

Location L 27+00E, 0+45(m) S (ABITIBI-PRICE GRID B)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) MAY 2/86

Drilling Co. BRADLEY BROTHERS

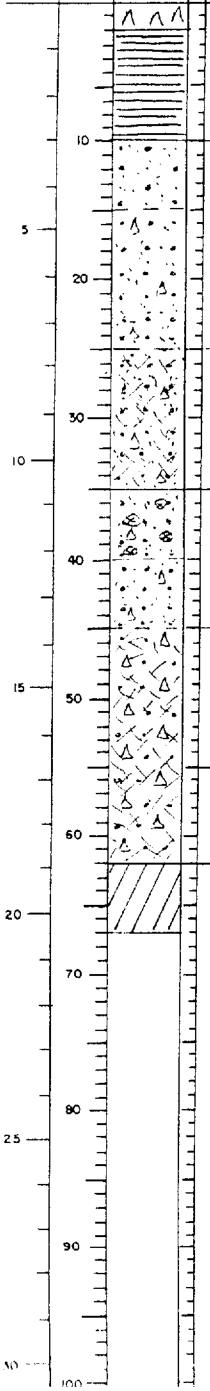
Bit No. CB 61054

Depth to bedrock 62'

Total depth 67'

Sample screening +10 MESH

Remarks START 2:25
FINISH 4:05



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au
		0-2': RECENT HUMUS 2'-10': MEDIUM TO REDDISH-BROWN CLAY 10'-15': FINE PEBBLES AND SAND					
01	1 ABR.	15'-45': SANDY FINE TO MEDIUM GRAVELLY TILL WITH CLAYEY LAYERS/UNITS, AND LOCAL COARSE GRAVEL/COBBLE SECTIONS 25-35' - SOME LIGHT GREY CLAY BALLS	84	32	0.2	86	165
02							
03	0	35-40' - COARSE GRAVEL AND COBBLES IN SANDY TILL	56	22	0.2	25	10
04	0	45-62': LIGHT GREY CLAY-RICH FINE TO MEDIUM GRAVELLY TILL (LODGEMENT TILL)	145	140	0.7	30	10
05	0		100	210	0.5	19	20
06		62' BEDROCK: FINE-GRAINED DARK-GREEN INT. TO MAFIC VOLCANIC, FOLIATED, SCHISTOSE, SOME SERICITE WITH QUARTZ VEINING 67' E of H.	92	52	<0.1	<2	<5

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-024

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI

Township CARMEL

Claim No.

Location L24+00E, (ABITIBI-PRICE GRID B)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) MAY 2,3 /86

Drilling Co. BRADLEY BROTHERS

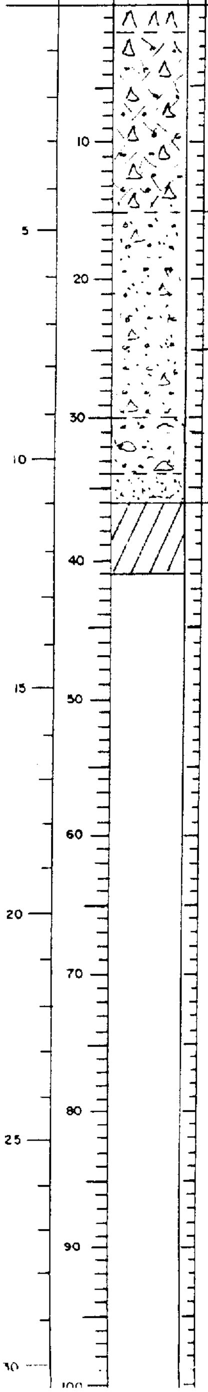
Bit No. C6 6RO54

Depth to bedrock 36'

Total depth 41'

Sample screening +10 MESH

Remarks START 4:20 (MAY 2)
FINISH 9:30 (MAY 3)



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au
		0-2': RECENT HUMUS 2'-15': LIGHT MEDIUM BROWN CLAY-RICH PEBBLY TILL					
01	5 ABR.	15'-34': SANDY FINE GRAVELLY ABLATION TILL / FLUVIOGLACIAL	24	17	<0.1	4	130
02	1 ABR.	30-34' - MORE COARSE MATERIAL 34-36': SAND WITH MINOR GRAVEL	124	28	0.3	120	[illegible]
03		36' BEDROCK: FINE-GRAINED, MASSIVE INT. TO MAFIC VOLCANIC - DARK-GREEN, MINOR DISSEMINATED PY, QTZ STRINGERS 41' E of H.	29	42	<0.1	3	<5

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-025

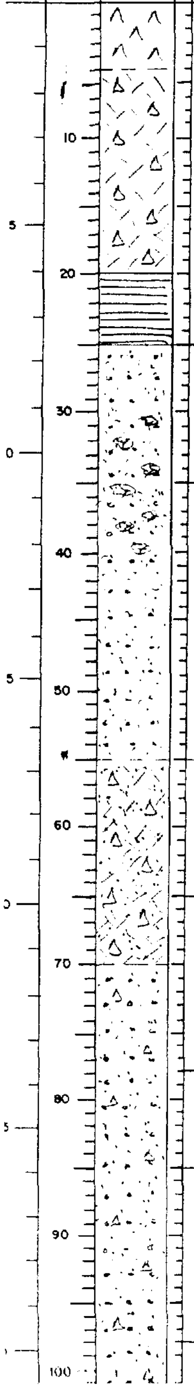
Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI
Township CARHEIL
Claim No.
Location L24+00E, 1+65(m.) S (ABITIBI-PRICE GRID B)

Logged by L. MEIER
Sampler J. SINCLAIR

Date(s) MAY 3/86

Drilling Co. BRADLEY BROTHERS
Bit No. B000081
Depth to bedrock 142'
Total depth 144'
Sample screening +10 MESH

Remarks START 9:55
FINISH 1:30



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au (PPB)
		0-5': RECENT HUMUS 5'-20': LIGHT BROWN SANDY CLAY-RICH TILL 20'-25': LIGHT GREY CLAY					
01	0	25'-55': SANDY FINE GRAVEL TILL? GRAVEL IS COARSE LOCALLY + COBBLES 30-40': CS. GRAVEL + COBBLES	79	38	0.5	47	45
02	0	40-55' FINE ROUNDED PEBBLES AND SORTED SAND	107	38	<0.1	129	35
03	0	55'-70' - TILL 55-60': LIGHT GREY CLAY BALLS IN SANDY FINE GRAVELLY TILL	82	75	<0.1	60	35
04	1 ABR.	70-105': COARSE GRAVEL AND COBBLES IN TILL 70-73': UP TO 50% MEDIUM GREY SILTY CLAY BALLS IN MEDIUM GRAVELLY SANDY TILL	120	430	0.4	46	480
05							
06	8 ABR. 1 IRR.		126	181	0.6	26	970
07							

MPH Consulting Limited

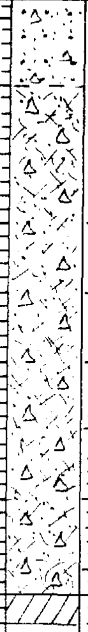
OVERBURDEN DRILL LOG

Hole K-86-025

M.: 35, 40, 45, 50, 55, 60, 65

Ft.: 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220

GRAPHIC LOG



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au
		105'-142': LIGHT GREY SILTY CLAY-RICH FINE GRAVELLY TILL					
08	0		138	225	0.5	18	205
09	0		98	130	0.2	16	15
10	0		73	78	0.3	12	20
11		142' BEDROCK: GRAPHITIC INT. TO MAFIC VOLCANIC - FINE-GRAINED, BLACK, MASSIVE TO WEAKLY FOLIATED WITH ≤ 5% DISSEMINATED AND STRINGER PY	51	76	<0.1	26	<5

144' E of H.

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-026

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI

Township CARHEIL

Claim No.

Location 16+00E (ABITIBI-PRICE GRID B)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) MAY 3/86

Drilling Co. BRADLEY BROTHERS

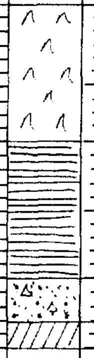
Bit No. 000081

Depth to bedrock 23'

Total depth 25'

Sample screening +10 MESH

Remarks START 3:00
FINISH 3:55



M.	Ft.	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL Cu	Zn	Ag	As	Au (PPB)
				0-10': HUMUS					
	10			10'-20': LIGHT GREY LACUSTRINE CLAY					
5									
	20	01	0	20'-23': SANDY FINE TO MEDIUM GRAVELLY TILL	100	45	0.2	19	<5
		02		23': BEDROCK: FINE-GRAINED DARK-GREEN INT. TO MAFIC VOLCANIC (AMPHIBOLITE) -MINOR PY	100	20	<0.1	<2	<5
				25' EofH.					
	30								
0									
	40								
5	50								
	60								
	70								
	80								
	90								
	100								

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole SC86-027

Property/Area PETROMET (BAROQUE OPTION)/CASA BERARDI

Township CARHEIL

Claim No.

Location L 16+00E, (ABITIBI-PRICE GRID 6)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) MAY 03:86

Drilling Co. BRADLEY BROTHERS

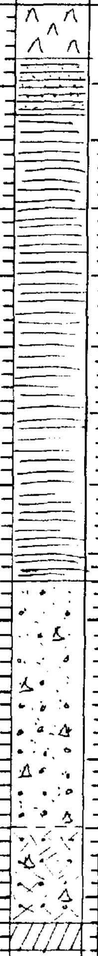
Bit No. 8000081

Depth to bedrock 67'

Total depth 69'

Sample screening +10 MESH

Remarks START 4:15
FINISH 5:00



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au (PPB)
		0-4': RECENT HUMUS					
		4'-8': SANDY CLAY (MEDIUM GREY)					
		8'-42': MEDIUM GREY LACUSTRINE CLAY					
01	0	42'-60': VERY SANDY FINE GRAVELLY ABLATION TILL/FLUVIO-GLACIAL OUTWASH 50' CS. GRAVEL IN SANDY TILL?	57	58	<0.1	31	210
		60-67': CLAYEY SILTY CS. GRAVELLY TILL					
02	0		52	30	0.3	13	<5
03		67' BEDROCK: FINE TO MEDIUM-GRAINED INT. TO MAFIC VOLCANIC (AMPHIBOLITE) 69' EofH.	61	31	<0.1	<2	<5

MPH Consulting Limited

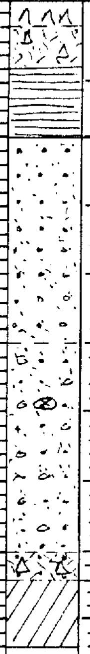
OVERBURDEN DRILL LOG

Hole EC86-028

Property/Area PETROMET (BAROQUE OPTION)/CASA BERARDI
Township CARHEIL
Claim No.
Location L 16+00E, 28+00'N (ABITIBI-PRICE GRID 5)
Logged by D. MEYER
Sampler G. SINCLAIR

Date(s) MAY 07/86
Drilling Co. BRADLEY BROTHERS
Bit No. CB 62053
Depth to bedrock 42'
Total depth 47'
Sample screening +10 MESH

Remarks START 9:00
FINISH 10:05



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL Cu	Zn	Ag	As	Au (PPB)
		0-2': RECENT HUMUS 2'-5': LIGHT BROWN CLAY-RICH TILL (COCHRANE) 5'-10': MEDIUM-GREY LACUSTRINE CLAY					
01	1 ABR.	10'-40': FINE TO MEDIUM ROUNDED PEBBLES AND SORTED SAND (FLUVIOGLACIAL) 25' - CS. GRAVEL/COBBLES 29-30' - INT-FELSIC VOLCANIC BOULDER	90	40	0.2	26	155
02	0	40'-42': LIGHT GREY CLAYEY-SANDY GRAVELLY TILL	274	46	0.3	96	60
03		42': BEDROCK: FINE-GRAINED INT. TO MAFIC VOLCANIC -MED.-GREEN, MASSIVE TO WEAKLY FOLIATED 47' EOH.	66	130	<0.1	4	<5

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC86-029

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI

Township CARHEIL

Claim No.

Location L 12+00E, 5+00 (ft.) N NORANDA GRID 3-74)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) MAY 04/86

Drilling Co. BRADLEY BROTHERS

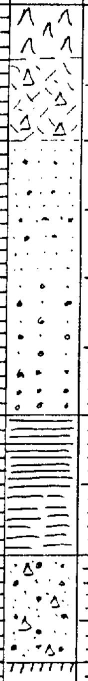
Bit No. CB 68053, CB 68055

Depth to bedrock 48'

Total depth 48'

Sample screening +10 MESH

Remarks START 10:45
FINISH 1:00



M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL Cu	Zn	Ag	As	Au (PPB)
					0-4': RECENT HUMUS					
					4'-10': DARK BROWN CLAY-RICH TILL					
5	10 20		01	6 ABR. 1% py	10'-30': FINE, SUBROUNDED PEBBLES AND SAND WITH RARE SAND LENSES 20'-25': SAND 27'-30': SOME COARSE GRAVEL WITH SAND AND FINE PEBBLES	45	24	<0.1	7	15290
0	30				30'-36': LIGHT GREEN-GREY LACUSTRINE CLAY					
					36'-40': SILT					
	40		02	0	40'-47': GRAVELLY-SANDY TILL? APPARENTLY MORE LOCAL LITHOLOGIES → MAFIC VOLCANIC / INTRUSIVE, MINOR GRANITE - SOME py IN MAFIC VOLCANIC	234	98	0.6	57	150
5	50 60 70 80 90 100		03		48'- SLOW DRILLING → NEW BIT # CB 68055 - ROUGH DRILLING AGAIN - PRESUMED TO BE A CRACK IN BEDROCK: MEDIUM GREEN MAFIC TUFF/ INTRUSIVE 48.5' E of H.					

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-030

Property/Area PETROMET (BARDOUE OPTION)/CASA BERARDI

Township CARHEIL

Claim No.

Location L 21+00E 15+00(FT.) N (NORANDA GRID 3-74)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) MAY 04, 05/86

Drilling Co. BRADLEY BROTHERS

Bit No. CB 68055

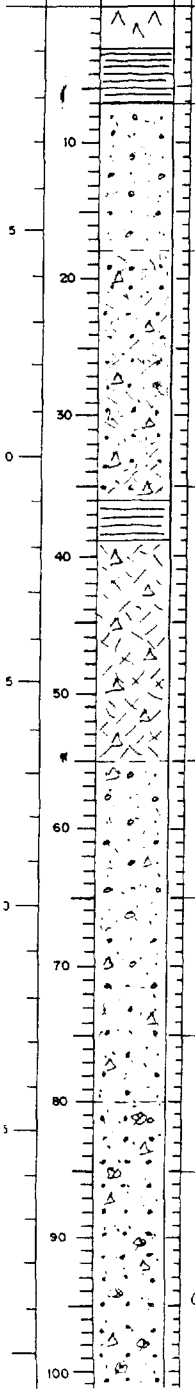
Depth to bedrock 102'

Total depth 110'

Sample screening +10 MESH

Remarks START 8:00

FINISH 10:50

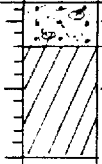


SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL Cu	Zn	Ag	As	Au (PPB)
		0-3': HUMUS 3'-7': MEDIUM BROWN CLAY					
01 02	0	7'-18': RUSTY (OXIDIZED) FINE GRAVEL 18'-36': LIGHT GREY GRITTY, CLAYEY FINE PEBBLY TILL	290	106	0.4	60	390
03 04	0	36'-39': GREY GREEN CLAY 39'-55': GRADING INTO GREY-GREEN VERY CLAYEY TILL (LODGEMENT) 55'-102': MEDIUM TO COARSE GRAVELLY CLAY-POOR SANDY TILL - ALTERNATING FINE PEBBLY CLAY-RICH/COARSE PEBBLY CLAY-POOR LAYERS	210	124	0.6	100	15
05 06	0	86'-102': COARSE GRAVELLY, COBBLY TILL	120	54	0.4	40	10
07	1 ABR.		260	92	0.7	63	15

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole SC-86-036

M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL				
						Cu	Zn	Ag	As	Au/ppb
	100									
			08		102': BEDROCK: MAFIC TUFF, FOLIATED WITH 5-10% DISSEMINATED AND STRINGER PY					nil
	110				110' EOH.					
35										
	120									
	130									
40										
	140									
45										
	150									
	160									
50										
	170									
	180									
55										
	190									
60										
	200									
	210									
65										
	220									

MPH Consulting Limited

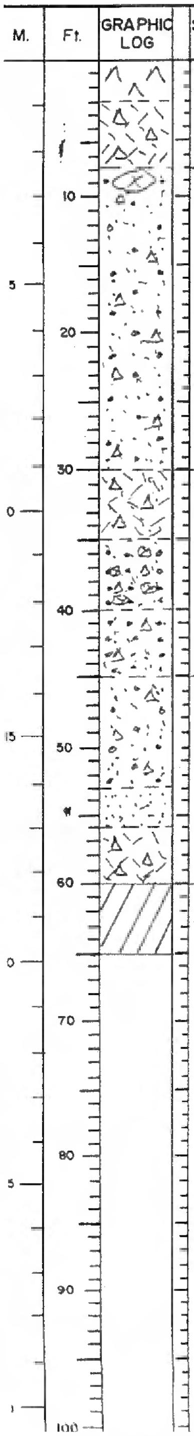
OVERBURDEN DRILL LOG

Hole EC-86-031

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI
Township CARHEIL
Claim No.
Location L 12+00 E, 15+00(ft.) N (NORANDA GRID 3-74)
Logged by D. MEYER
Sampler G. SINCLAIR

Date(s) MAY 05/86
Drilling Co. BRADLEY BROTHERS
Bit No. CB 68049
Depth to bedrock 60'
Total depth 65'
Sample screening +10 MESH

Remarks START 11:25
FINISH 1:05



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au(PPB)
		0-3': RECENT HUMUS 3'-8': LIGHT BROWN CLAY-RICH TILL.?					
01	0	8'-30': FINE GRAVELLY TILL 8'-10': MAFIC VOLCANIC TILL	59	35	<0.1	10	65
02	2 ABR. 10% PY (175x250 Au grain tarnished)	30'-35': LIGHT GREY CLAYEY TILL 35'-53': COARSE GRAVEL, COBBLES IN TILL INCLUDING SOME INT TO MAFIC VOLCANIC FRAGMENTS WITH SERICITE AND PYRITE	194	176	0.2	41	1490
03	0	53'-56': FINE GRAVEL AND SAND 56'-60': LODGEMENT TILL - 50% GRITTY CLAY BALLS AND GRAVEL CHIPS, MAFIC VOLCANIC FRAGMENTS	[illegible]	120	0.3	30	140
04		60' BEDROCK: FINE-GRAINED, SCHISTOSE INTERMEDIATE TO MAFIC VOLCANIC - SLIGHTLY CHLORITIC, MINOR QTZ VEINLETS 65' E of H.	75	130	<0.1	<2	<5

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-032

Property/Area PETROMET (BAROQUE OPTION)/CASA BERARDI

Township CARHEIL

Claim No.

Location L 8+00E, 6+50 (ft.) N (NORANDA GRID J-74)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) MAY 05,06/86

Drilling Co. BRADLEY BROTHERS

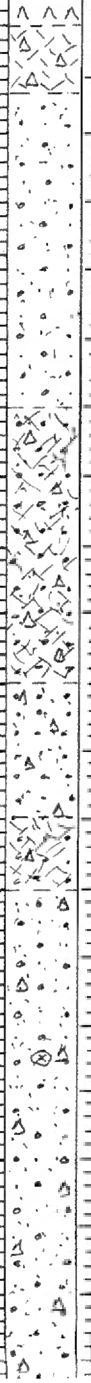
Bit No. CB 68049, A000048

Depth to bedrock 132'

Total depth 145'

Sample screening +10 MESH

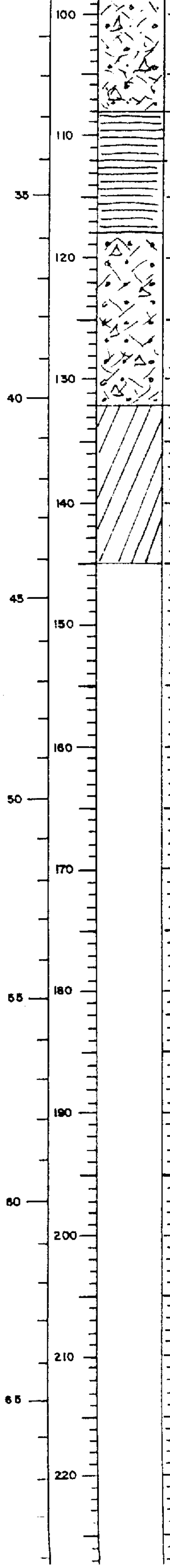
Remarks START 1:20
FINISH 4:45

M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL Cu	Zn	Ag	As	Au (PPB)
					0-2': RECENT HUMUS					
					2'-7': LIGHT BROWN CLAY-RICH TILL					
	10				7'-30': FINE GRAVELLY SANDY TILL					
5	20		01	N.P.						
	30									
0					30'-50': LODGEMENT TILL, FINE TO MEDIUM PEBBLES AND GRAVEL FRAGMENTS WITH GREENISH-GREY CLAY					
	40		02							
15	50			1 ABR.		600	160	0.8	115	105
					50'-60': COARSE GRAVEL WITH LITTLE OR NO MATRIX CLAY					
			03							
	60				60'-65': 20-60% GRITTY CLAY BALLS (GREY-GREEN) AND FINE TO MEDIUM GRAVEL					
0					- NOTICED 2 MASSIVE py FRAGMENTS					
	70		04	O	65'-108': SANDY GRAVELLY TILL WITH CLAY-BEARING UNITS	176	78	0.6	42	80
					70' - CS. GRAVEL/COBBLES; MINOR CLAY COATING ON SOME FRAGMENTS					
	80				72' - FINE PEBBLES AND SORTED SAND					
5					77-78' - GRANITE BOULDER					
			05	O	103' - SAND LENS	259	97	0.6	38	45
	90				104' - GREENISH GRITTY CLAY					
					108'-118'- CLAY					
	100		06	O		236	75	0.4	35	120

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EG-85-032



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL Cu	Zn	Ag	As	Au
06							
07	1 ABR.	118': GREENISH GREY CLAY-RICH TILL 120': GRADING TO FAIRLY COARSE GRAVELLY, CLAYEY TILL	225	75	0.5	113	165
08	1 ABR. 15% PY 1000 ASPY 3/4 Cu		343	136	0.5	229	110
09		132' BEDROCK: BLACK, F. GRAINED ARGILLITE, GRAPHITIC -LOTS OF PY/SILICATE FACIES + 10-15% DISSEMINATED AND STRINGER PY, SOME MASSIVE PY NODULES	109	545	0.1	645	<5

145' E of H.

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole 5-86-033

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI

Township CARHEIL

Claim No.

Location L 157+00E, 41+50(ft.) S (ABITIBI-PRICE GRID 4)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) MAY 07/86

Drilling Co. BRADLEY BROTHERS

Bit No. A00004E

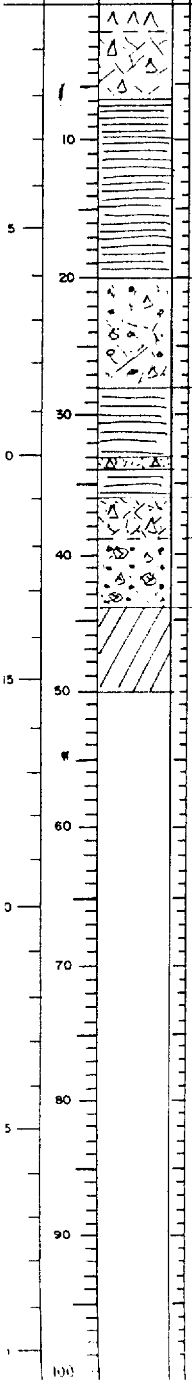
Depth to bedrock 44'

Total depth 50'

Sample screening +10 MESH

Remarks START 8:50

FINISH 10:30



M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au (PPB)
					0-2': RECENT HUMUS					
					2'-7': LIGHT BROWN CLAY-RICH TILL					
					7'-20': LIGHT GREY LACUSTRINE CLAY					
			01	0	20'-28': FINE TO MEDIUM GRAVELLY SANDY TILL 22': 10-15% LIGHT GREY-GREENISH GRITTY CLAY BALLS	110	50	<0.1	46	<10
					28'-36': MEDIUM GREEN-GREY CLAY, HARD AND COMPACTED 33'-34': ASSORTED GRAVELLY TILL					
			02	1 ABR.	36'-39': LIGHT GREY CLAY-RICH TILL	48	21	<0.1	5	<10
			03	0	39'-44': COARSE GRAVEL AND COBBLES, PREDOMINANTLY MAFIC VOLCANICS	91	22	0.1	4	20
					44' BEDROCK: LIGHT GREEN, INTERMEDIATE TO MAFIC VOLCANIC	74	92	<0.1	3	<5
					50' EOH.					

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-024

Property/Area PETROMET (BAROQUE OPTION)/CASA BERARDI

Township CARHEIL

Claim No.

Location L 160+00E, 41+50 (ft.) S (ABITIBI-PRICE GRID)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) MAY 07/86

Drilling Co. BRADLEY BROTHERS

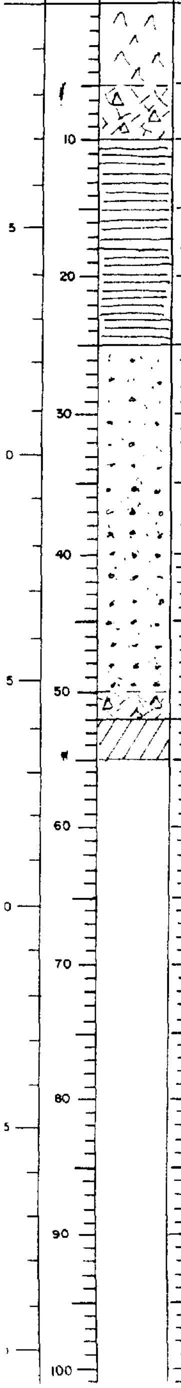
Bit No. A 000048

Depth to bedrock 52'

Total depth 55'

Sample screening +10 MESH

Remarks START 10:40
FINISH 12:05



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au(PPB)
		0-6': RECENT HUMUS					
		6'-10': LIGHT BROWN CLAY-RICH TILL					
		10'-25': LIGHT GREY-GREEN SOFT LACUSTRINE CLAY, SLIGHTLY GRITTY					
01	0	25'-50': SAND AND FINE GRAVEL, FLUVIOGLACIAL OUTWASH 33'-50' - FINE TO COARSE GRAVEL	165	110	<0.1	33	80
02	0		108	62	0.4	16	40
03	1 ABR.	50'-52': DARK GREY-GREEN CLAY GRADING INTO DARK GREY CLAY-RICH TILL	154	20	0.1	6	70
04		52' BEDROCK: FINE-GRAINED MAFIC VOLCANIC - MASSIVE, CHLORITIC LOCALLY, 1-2% DISSEMINATED PY 55' E of H.	82	76	<0.1	<2	<5

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole BC-86-035

Property/Area PETROMET 'BAROQUE OPTION' / CASA BERARDI

Township TAHAS.

Claim No.

Location L 160+00E, 37+00(A) S (ABITIBI-PRICE GRID 4)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) MAY 07/86

Drilling Co. BRADLEY BROTHERS

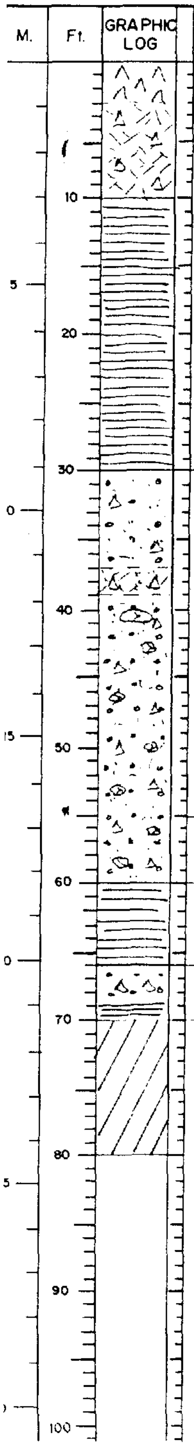
Bit No. A 000048

Depth to bedrock 70'

Total depth 80'

Sample screening +10 MESH

Remarks START 1:40
FINISH 3:40



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au(PPB)
		0-3' : RECENT HUMUS					
		3'-10' : LIGHT BROWN TO MEDIUM BROWN CLAY-RICH TILL					
		10'-30' : LIGHT GREY, VERY SOFT LACUSTRINE CLAY					
		30'-39' : FINE GRAVEL AND SAND					
		37'-39' : GREY-GREEN GRITTY CLAYEY FINE GRAVELLY TILL					
01	0	39'-60' : COARSE GRAVELLY TILL, PREDOMINANCE OF MAFIC INTRUSIVES 40'-41' : MAFIC VOLCANIC BOULDER	101	54	1.0	38	205
02	1 ABR.		129	60	0.3	11	60
		60'-69' : DARK GREEN-GREY CLAY					
03	2 ABR 1 DEL	35% PY 300 AsPY 66'-69' : GRAVELLY SANDY TILL 69'-70' : CLAY LENS, LIGHT TO MED. GREY	312	680	0.7	41	550
04		70' BEDROCK: SILICIFIED, SERICITIZED INTERMEDIATE TO MAFIC VOLCANIC -5-10% DISSEMINATED AND STRINGER PY, CPY	146	1424	0.2	10	<5
		80' EOH.					

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OVERBURDEN DRILL LOG

Hole EC-86-056

Property/Area PETROMET (MAROQUE OPTION) / CASA BERARDI

Township CARHEIL

Claim No.

Location L.56+00E, 28+00(ft.)S (ABITIBI-PRICE GRID 4)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) MAY 07, 08 / 86

Drilling Co. BRADLEY BROTHERS

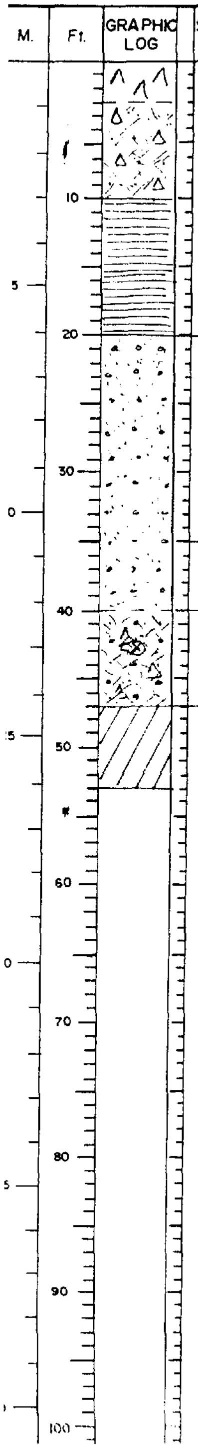
Bit No. A000048

Depth to bedrock 47'

Total depth 53'

Sample screening +10 MESH

Remarks START 4:10 (MAY 07)
FINISH 9:40 (MAY 08)



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au(PPB)
		0-3': RECENT HUMUS					
		3'-10': LIGHT BROWN CLAY / CLAY-RICH TILL					
		10'-20': LIGHT GREY CLAY					
01	0	20'-40': MEDIUM-SIZED ROUNDED PEBBLY, SANDY FLUVIO-GLACIAL OUTWASH	182	51	0.6	29	15
02	ABR.	40-47': CLAYEY (LIGHT GREY) FINE TO COARSE GRAVELLY TILL 42-43': MAFIC VOLCANIC BOULDER	266	200	0.3	121	1530
03		47' BEDROCK: MEDIUM-GRAINED, CHLORITIC, SERICITIC MAFIC TUFF - MEDIUM GREEN, SOFT AND PUNKY	62	84	0.2	2	<5
		53' E of H.					

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC86 007

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI

Township CARHEIL

Claim No.

Location 152+00E 25+00(N)S (ABITIBI-PRICE GRID)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) MAY 08/86

Drilling Co. BRADLEY BROTHERS

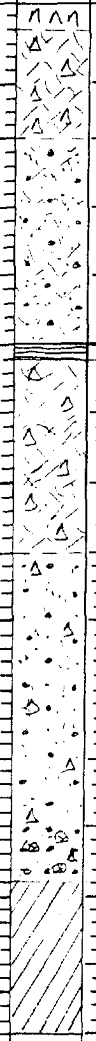
Bit No. 000086

Depth to bedrock 64'

Total depth 75'

Sample screening +10 MESH

Remarks START 2:00
FINISH 3:50



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au (PPB)
		0-2': RECENT HUMUS					
		2'-10': LIGHT BROWN CLAYEY TILL					
01	1 ABR.	10'-25': SANDY, GRAVELLY TILL WITH MINOR LIGHT GREY GRITTY CLAY IN MATRIX	50	48	<0.1	18	65
		25'-26': LIGHT GREY CLAY					
02	4 ABR. 10% PY 200 ASPY (6 CS.)	26'-40': CLAY-RICH TILL	279	7900	7.3	31	55
		40-60': FINE GRAVELLY AND SAND TILL					
03	1 ABR.	60'-64': COARSE GRAVEL / COBBLY TILL 63': PROXIMAL LITHOLOGIES	305	360	1.2	97	55
04		64': BEDROCK: GOSSAN ZONE? GREENISH-YELLOW SOFT CLAY 69': ROCK CHIPS: ULTRAMAFIC VOLCANIC WITH 20-30% PY - GRAPHITIC PHYLLITE LENSES - MINOR QTZ VEINING 75' E of H.	128	510	0.1	66	55

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-038

Property/Area PENOMET (BAROQUE OPTION)/CASA BERARDI

Township AKAK

Claim No.

Location L 148+00E, 44+00 (ft.) S (ABITIBI-PRICE GRID 4)

Logged by D. MEYER

Sampler G. SINCLAIR

Date(s) MAY 09/86

Drilling Co. BRADLEY BROTHERS

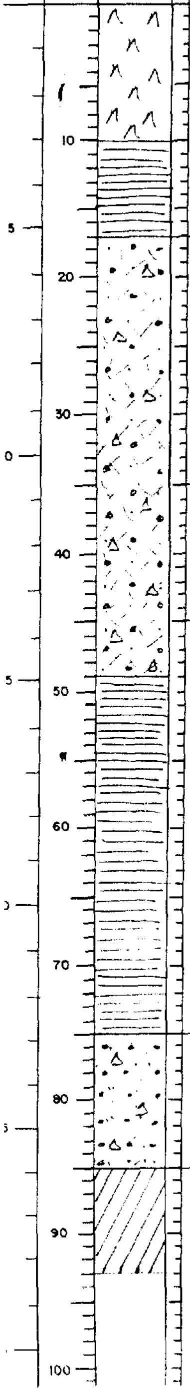
Bit No. 6000086

Depth to bedrock 89'

Total depth 93'

Sample screening +10 MESH

Remarks START 9:30
FINISH 12:00



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL				
			Cu	Zn	Ag	As	Au (PPB)
		0-10': HUMUS					
		10'-17': CLAY					
01	0	17'-49': SANDY GRAVELLY TILL, 5-10% SILTY/CLAYEY MATRIX, FINE GRAVEL GRADING TO COARSE GRAVEL	100	25	<0.1	121	60
02	0		92	52	<0.1	93	55
		49'-75': CLAY (LACUSTRINE)					
03	1 ABR.	75'-85': SANDY MEDIUM GRAVELLY TILL, LOCAL LITHOLOGIES -PREDOMINANTLY MAFIC VOLCANIC, INTRUSIVE, SOME MASSIVE PY FRAGMENTS	291	245	0.7	70	75
04		85 BEDROCK: GRAPHITIC MAFIC TUFF WITH PY BLEBS 86' CHLORITE SCHIST → GREEN GREY CLAY WITH 5-10% PY 89' BACK TO GRAPHITE WITH PY CUBES, STRINGERS	106	730	0.1	26	5
		93' EOH					

MPH Consulting Limited

OVERBURDEN DRILL LOG

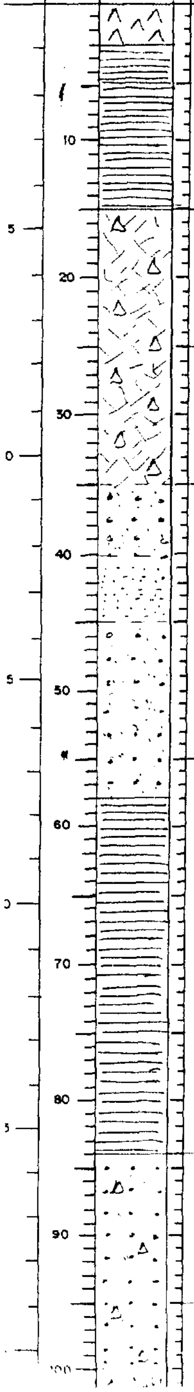
Hole BCR-004

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI
Township CARHEIL
Claim No.
Location 148+00E, 42+00 (ft.) S (ABITIBI-PRICE GRID 4)

Logged by D. MERCK
Sampler G. SINCLAIR

Date(s) MAY 09, 10 / 86
Drilling Co. BRADLEY BROTHERS
Bit No. 8000086
Depth to bedrock 102'
Total depth 105'
Sample screening +10 MESH

Remarks START 12:45
FINISH 3:30



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au (PPB)
		0-5': RECENT HUMUS					
		3'-15': CLAY-RICH TILL					
01	N.P.	15'-35': SANDY, GRAVELLY TILL, LOCALLY WITH GRITTY CLAY -PROXIMAL LITHOLOGIES: PY BEARING MAFIC TUFF ETC.					
02	N.P.						
03	N.P.	35'-58': FINE ROUNDED GRAVEL AND SAND WITH SAND UNITS 40': FINE SAND AND SILT WITH MINOR FINE GRAVEL					
04	N.P.	45': MEDIUM TO COARSE GRAVEL AND SAND					
		58'-8': CLAY					
05	0	84'-100': SANDY GRAVELLY TILL, COARSE PROXIMAL GRAVEL	187	51	0.6	22	80
06	2 ABR. 5% PY	100'-102': CLAY-RICH IN ABOVE TILL	319	280	1.0	84	325

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC86-039

M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL Cu	Zn	Ag	As	Au(PPB)
	100									
			37		102' BEDROCK: FINE-GRAINED MAFIC VOLCANIC, MASSIVE TO WEAKLY FOLIATED, MEDIUM GREEN COLOUR	69	52	<0.1	4	<5
	110									
35										
	120									
	130									
40										
	140									
45										
	150									
	160									
50										
	170									
	180									
55										
	190									
60										
	200									
	210									
65										
	220									

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-010

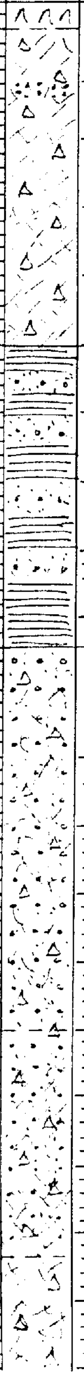
Property/Area PETROMET (BAROQUE OPTION)/CASA BERARDI
Township CARHEIL
Claim No.
Location L.40+00E, 4+50(A) S (ABITIB.-PRICE GRID 4)

Logged by D. MEYER / C. BRELETON
Sampler D. MEYER / P. SOBIE

Date(s) MAY 09, 10/86

Drilling Co. BRADLEY BROTHERS
Bit No. BC00086, BC00088
Depth to bedrock 137'
Total depth 142'
Sample screening +10 MESH

Remarks START 4:05 (MAY 09) - HOLE SPOTTED TO HIT EM CONDUCTOR → SUCCESSFULLY PENETRATED GRAPHITIC ARGILLITE
FINISH 12:00 (MAY 10) - EXCELLENT TILL SECTION

M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au (PPB)
5	10 20		01	0	0-2': HUMUS 2'-25': CLAY TILL - COCHRANE? -MEDIUM BROWN, CLAY-RICH - GRAVELLY LAYER AT 5'	128	59	0.6	37	90
10	30 40		02	1 ABR.	25'-47': INTERBEDDED LACUSTRINE GREY CLAY AND SAND AND GRAVEL	43	40	0.4	123	205
15	50		03	0	47'-137': TILL	280	152	1.0	83	180
			04 (1)	0	47'-92': GRAVELLY TILL, GENERALLY WITH	150	116	0.8	64	175
			04 (2)	1 ABR	MINOR CLAY-BALLS	170	80	<0.1	25	4860
			05	0	-ABUNDANT VOLC. CLASTS 47-50' 65-70'	120	120	0.3	57	55
	60		06 (1)	0	- PY FRAGMENTS 50-55', 74'	144	100	<0.1	43	160
			06 (2)	1 ABR.		150	104	0.6	72	85
20			07	1 ABR.	- GREEN RHYOLITE CLASTS 75-80'	260	132	0.5	59	435
	70		08	9 ABR. 270 PY 20 [illegible]	75-92': TILL MORE CLAYEY	160	164	1.0	75	5430
			09	8 ABR. 5% PY		113	130	0.7	57	495
25	80		10	0		135	146	<0.1	43	125
			11	1 ABR.		290	86	1.2	74	595
	90		12	0		170	88	<0.1	55	130
30	100		13	1 ABR.	92'-117': CLAYEY TILL - RICH IN GRITTY CLAY BALLS	143	83	<0.1	50	355

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EG-86-040

M.	Ft.	SAMPLE No.	GRAINS Au		ANALYTICAL Cu	Zn	Ag	As	Au(PPB)
	100	14	0		188	83	0.7	52	<10
		15	0		160	88	0.6	152	60
	110	16	1 ABR.		220	82	0.5	117	1000
35		17	0		240	96	0.7	130	70
		18	2 ABR.	5% PY 100 ASPY 2 gal.	380	220	0.7	71	170
	120	19	0		300	184	0.6	68	20
		20	1 ABR.		320	330	1.7	171	80
40	130	21	0		320	184	1.0	65	270
		22	1 ABR.	50% PY 150 ASPY	251	78	1.7	55	275
	140	23			125	40	0.4	60	<5

DESCRIPTIVE LOG

117-137': COARSER COBBLY TO BOULDERY TILL WITH CLAY-RICH SECTIONS, ABUNDANT VOLCANIC COBBLES

120'-121' - BOULDER OF CHL, SCHISTOSE FINE-GRAINED VOLCANIC

- PY FRAGMENTS 121-125'
- QZ FRAGMENTS
- TILL VERY CLAYEY IMMEDIATELY ABOVE BEDROCK

137': BEDROCK: BLACK GRAPHITIC ARGILLITE WITH 10% FINE-GRAINED PY MAINLY AS NARROW MASSIVE LAMINAE (EM CONDUCTOR)

M.: 35, 40, 45, 50, 55, 60, 65

Ft.: 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220

MPH Consulting Limited

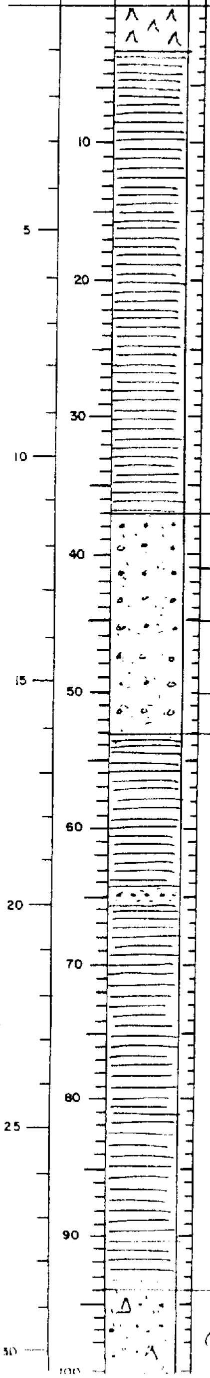
OVERBURDEN DRILL LOG

Hole EC-86-041

Property/Area	PETROMET (BAROQUE OPTION) / CASA BERARDI
Township	CARHEIL
Claim No.	
Location	L 160+00E , 32+00 (N) S (ABITIBI-PRICE GRID 4)
Logged by	B. BRERETON
Sampler	P. SOBIE
Date(s)	MAY 10/86
Drilling Co.	BRADLEY BROTHERS
Bit No.	B000088
Depth to bedrock	134'
Total depth	139'
Sample screening	+10 MESH

Remarks START 1:00 HOLE SPOTTED TO HIT EM CONDUCTOR → NOT ADEQUATELY EXPLAINED BY BEDROCK

FINISH 4:00

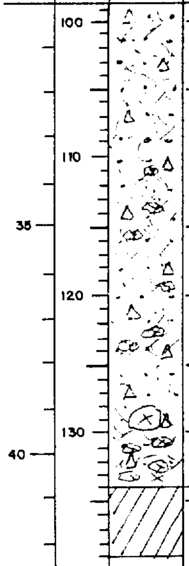


M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	Cu	Zn	Ag	As	Au(PPB)
					0-3' : HUMUS					
					3'-37' : GREY LACUSTRINE CLAY					
			01	0	37'-53' : GRAVEL, SOME COBBLES ; MIXED COMPOSITION	240	84	0.8	87	15
			02	1 ABR.	WITH ABUNDANT GRANITICS - WELL-WASHED, FEW FINES	600	196	1.6	176	8370
			03	0		580	1800	2.0	314	<50
			04	0		450	136	0.7	171	80
			05	0		250	96	09	162	55

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole E 85-04



SAMPLE No.	GRAINS Au	Cu	Zn	Ag	As	Au(PPB)
06						
07 + 08	0	230	128	0.7	80	40
09	0	280	172	0.6	135	90
10	0	280	172	0.6	72	100
11	0	1800	140	1.2	108	25
12	0	270	140	3.9	69	10
13		97	200	<0.1	3	<5

DESCRIPTIVE LOG

94'-134': TILL

- GRAVELLY WITH LITTLE CLAY AND ABUNDANT GRANITICS AT TOP OF SECTION
- BECOMING CLAY-RICH TILL BY 98', VERY CLAY-RICH 110'-125' WITH SCATTERED VOLCANIC COBBLES

128-130': BOULDER OF LIGHT GREEN, SCHISTOSE CHL. VOLCANIC

- TILL BECOMES COARSER AFTER 125' WITH VOLCANIC COBBLES, PY FRAGMENTS IN FELSIC VOLCANICS 125'-128'
- CLAYEY TILL IMMEDIATELY ABOVE BEDROCK

134'-139': DARK GREYISH TO BLACK FINE-GRAINED VOLCANIC WITH ONE THIN CAL-QZ-PY SEAM IN UPPER PORTION

139' EofH.

MPH Consulting Limited

OVERBURDEN DRILL LOG

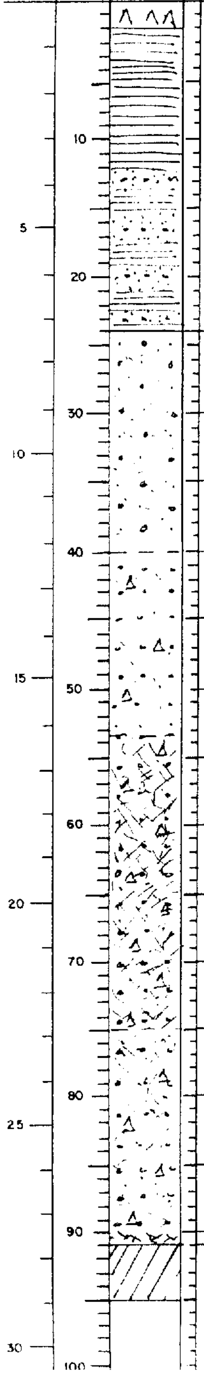
Hole EC-86-092

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI
Township CALHEIL
Claim No.
Location L 148+00E, 7+50 (H.) S (ABITIBI-PRICE GRID 4)

Logged by G. BRERETON
Sampler P. SOBIE

Date(s) MAY 11/86
Drilling Co. BRADLEY BROTHERS
Bit No. 600014
Depth to bedrock 91'
Total depth 95'
Sample screening +10 MESH

Remarks START 8:00 - HOLE SPOTTED TO HIT EM CONDUCTOR → NOT EXPLAINED BY BEDROCK
FINISH 10:30 - RELATIVE MAGNETIC HIGH EXPLAINED BY ULTRAMAFIC



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL				
			Cu	Zn	Ag	As	Au(PPB)
		0-2': HUMUS					
		2'-24': LACUSTRINE CLAY AND GRAVEL (INTERBEDDED, MAINLY CLAY)					
01	0	24' 40': GRAVEL, RELATIVELY FINE, MIXED CLAST COMP. - PY IN SILICEOUS VOLCANIC @ 32'	184	76	0.6	624	445
02	1 ABR.		150	56	0.7	71	4130
03	0		85	26	<0.1	47	885
04	0	40'-91': TILL - GRAVELLY TILL (GRADATIONAL CONTACT WITH ABOVE) FROM 40'-53.5'	235	52	0.7	76	80
05	1 ABR.	- CLAY-RICH TILL 53.5'-75'	180	38	0.4	38	620
06	0	- GRAVELLY TILL WITH ONLY MINOR CLAY 75-90'	105	40	0.4	45	5
07	0	- CLAYEY TILL 90-91'	80	38	<0.1	23	30
08	0	* MASSIVE PY FRAGMENTS 80-85' * PO IN INT. VOLCANICS 85'-90'	70	44	<0.1	17	125
09	0		100	84	<0.1	24	<20
10	0		85	32	<0.1	11	345
11	0		38	18	<0.1	48	35
12	0		105	28	0.2	66	30
13	0		220	84	0.2	107	60
14	1 ABR.		278	110	0.7	47	225
		91' BEDROCK: VERY SOFT, GREEN, CHLORITIC ULTRAMAFIC 95' EofH	14	86	<0.1	3	<5

MPH Consulting Limited

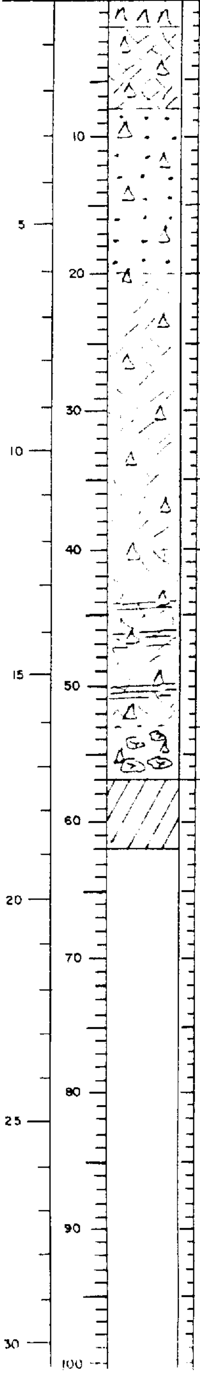
OVERBURDEN DRILL LOG

Hole [illegible]-08

Property/Area PETROMET (BAROQUE OPTION)/CASA BERARDI
Township CARHEL
Claim No.
Location L 126+50E, 9+00 (FT.) S (ABITIBI-PRICE GRID S)
Logged by E. BALETON
Sampler D. COGE

Date(s) MAY 11/86
Drilling Co. BRADLEY BROTHERS
Bit No. L000 BI
Depth to bedrock 57'
Total depth 62'
Sample screening +10 MESH

Remarks START 11:30 - MAGNETIC ANOMALY EXPLAINED BY ULTRAMAFIC BEDROCK
FINISH 1:30



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL Cu	Zn	Ag	As	Au(PPB)
		0-2': HUMUS 2-8': COCHRANE CLAY TILL, BROWN, OXIDIZED					
01	0	8-57': TILL - GRAVELLY TILL WITH RARE CLAY AND ABUNDANT GRANITICS BECOMING A CLAY-RICH TILL BY 20'	145	34	<0.1	48	25
02	0		68	28	<0.1	95	60
03	0	- CLAY-RICH TILL TO CLAY TILL TO 53' WITH CLAY LOSSES 44'-53'	88	22	<0.1	33	20
04	0	- COARSE BOULDERY TILL WITH ABUNDANT GRANITICS 53'-57'	80	28	<0.1	29	15
05	0		200	29	<0.1	46	235
06	0		60	38	<0.1	34	90
07	3 ABR.		72	42	0.4	113	120
08		57' BEDROCK: SOFT, DARK GREEN ALTERED ULTRAMAFIC	37	44	<0.1	7	5

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-047

Property/Area PETROMET (BAROQUE OPTION) CASA BERARDI

Township CARHEIL

Claim No.

Location L 160+00E , 1700 (ft) S (ABITIBI-PRICE GRID 4)

Logged by L. BRERETON

Sampler P. SOBIE

Date(s) MAY 11 /86

Drilling Co. BRADLEY BROTHERS

Bit No. 6000 PSI

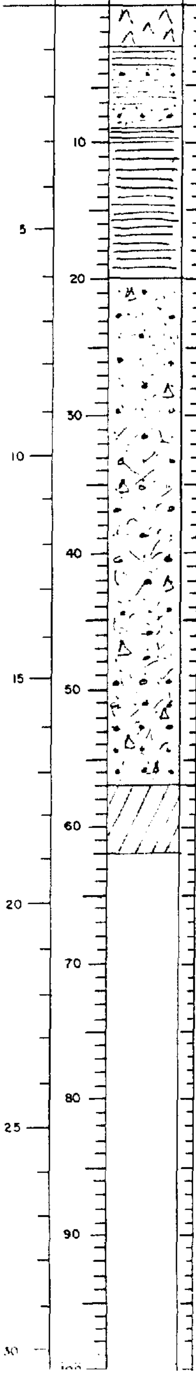
Depth to bedrock 57'

Total depth 61'

Sample screening +10 MESH

Remarks START 2:00 - VERY POORLY DEVELOPED TILL SECTION, USELESS FOR DRIFT EXPLORATION

FINISH 4:00



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL				
			Cu	Zn	Ag	As	Au (PPB)
		0-2': HUMUS					
		2'-20': CLAY, LACUSTRINE GREY CLAY WITH SAND AND GRAVEL LENSES IN UPPER PORTION					
01	0	20'-57': TILL - PEBBLY SAND TILL WITH GENERALLY MINOR CLAY, PARTICULARLY IN UPPER PORTION - WOOD CHIPS @ 49' - TILL BECOMES SLIGHTLY COARSER TOWARDS 57'	116	40	0.2	29	25
02							
03	0		156	98	0.6	32	45
04							
05	0		206	102	0.4	39	<10
06		57' BEDROCK: DARK ARGILLITE, WEAKLY GRAPHITIC AND MINOR PY INTERBEDDED WITH MAFIC TUFF(?) (AMPHIBOLITE)	52	66	<0.1	5	<5
		62' E of H.					

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-075

Property/Area PETROMET (BAROQUE OPTION) / CASA BERARDI

Township CARHEIL

Claim No.

Location L 160+00E / 14+50 (A.) S (ABITIBI-PRICE GRID 4)

Logged by G. BRERETON / D. MEYER

Sampler P. SOBIE

Date(s) MAY 11, 12 /86

Drilling Co. BRADLEY BROTHERS

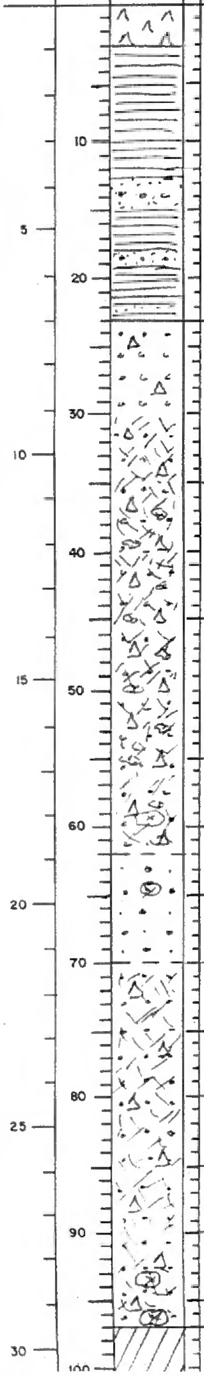
Bit No. 10000 PH

Depth to bedrock 97'

Total depth 102'

Sample screening +10 MESH

Remarks START 4:20 (MAY 11)
FINISH 10:20 (MAY 12)

M.	Ft.	GRAPHIC LOG	SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL Cu	Zn	Ag	As	Au (PPB)
					0-3': HUMUS					
					3'-23': INTERBEDDED CLAY AND GRAVEL (MAINLY CLAY)					
			01	0	23'-62': TILL - GRAVELLY TILL IN UPPER PORTION BECOMES A CLAYEY TILL BY 30' NOTE - FISSILITY IN CLAY 35'-45'	172	26	<0.1	49	175
			02	0	- GOOD COARSE CLAY-RICH TILL WITH ABUNDANT VOLCANIC CLASTS 45'-62' 59'-60': BOULDER OF MAFIC TUFF	100	26	<0.1	26	45
			03	4 ABR. 10%py 150 AsPy		600	92	0.2	72	50
			04	2 ABR. 10%py 100 AsPy		240	145	0.3	37	1105
			05	1 ABR.	62'-70': SAND AND SUB-ROUNDED FINE TO CS. GRAVEL 64' SERICITIC-RICH MAFIC VOLCANIC COBBLE WITH DISSEMINATED PY	168	96	<0.1	46	715
			06	1 ABR.		184	125	0.5	60	160
			07	0	70'-97': ALTERNATING LAYERS OF CLAY-RICH / CLAY-POOR TILL	138	64	<0.1	212	70
			08	0	92' - SHEARED, PY-BEARING ALTERED INT. VOLCANIC FRAGMENTS	110	48	<0.1	31	95
			09	0	93'-94' - PY-BEARING MAFIC VOLCANIC BOULDER	130	94	<0.1	42	30
			10	0	96' MAFIC VOLCANIC BOULDER IN GOOD CLAY-RICH TILL	96	57	0.2	59	770
			11	1 ABR.	97': BEDROCK: BLACK FINE-GRAINED FOLIATED ARGILLITIC SEDIMENT WITH 5-10% DISSEMINATED AND STRINGER PY. GRAPHITIC	485	83	0.7	50	1110
			12	0		577	116	0.4	35	115
			13		102' E of H.	80	[illegible]	<0.1	146	<5

MPH Consulting Limited

OVERBURDEN DRILL LOG

Hole EC-86-046

Property/Area PETMONIET (BAROQUE OPTION) / CASA BERARDI

Township CARHEIL

Claim No.

Location L 164+00 E , 0+50 [illegible] ABITIBI-PRICE GRID)

Logged by D MEYER

Sampler P. SOBIE

Date(s) MAY 12/86

Drilling Co. BRADLEY BROTHERS

Bit No. 8000085

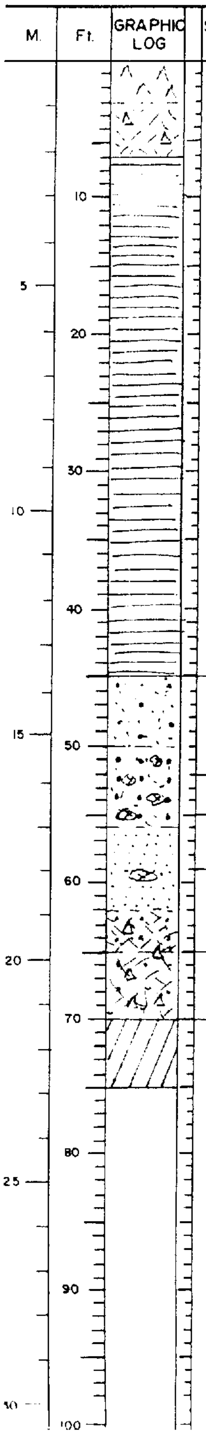
Depth to bedrock 70'

Total depth 75'

Sample screening +10 MESH

Remarks START 10:40

FINISH 1:00



SAMPLE No.	GRAINS Au	DESCRIPTIVE LOG	ANALYTICAL Cu	Zn	Ag	As	Au (PPB)
		0-3': RECENT HUMUS					
		3'-7': LIGHT MEDIUM-BROWN CLAY-RICH FINE PEBBLY TILL					
		7'-45': CLAY, LIGHT GREY, VERY SOFT AFTER 15'					
01	0	45'-62': FINE PEBBLY SANDY TILL WITH SANDY LAYERS AND LOCAL VARIATIONS IN GRAVEL SIZE	300	48	<0.1	43	30
02	0	50'-56': COARSE GRAVEL AND COBBLES 56'-62': SAND WITH MINOR GRAVEL	460	40	<0.1	49	45
03	1 IRR.	59'-60': INT-MAFIC VOLCANIC BOULDER	320	54	0.4	59	40
04	0	62-65': SLIGHTLY CLAYEY TILL, SOME MED. GRAY GRITTY CLAY CHIPS IN ABOVE TILL	115	42	<0.1	48	120
05	2 ABR. 2 DEL. 95% PY 100 ASPY	65'-70': GOOD LODGEMENT TILL WITH FRAGMENTS OF PY-BEARING GRAPHITE	577	200	1.2	98	35
		70' BEDROCK: ARGILLITIC/GRAPHITIC SEDIMENT WITH 5-10% PY	235	345	0.5	70	20
		75' E of H.					

APPENDIX D

Equivalent Calculations

0/B ENJCAR

EC-86-001

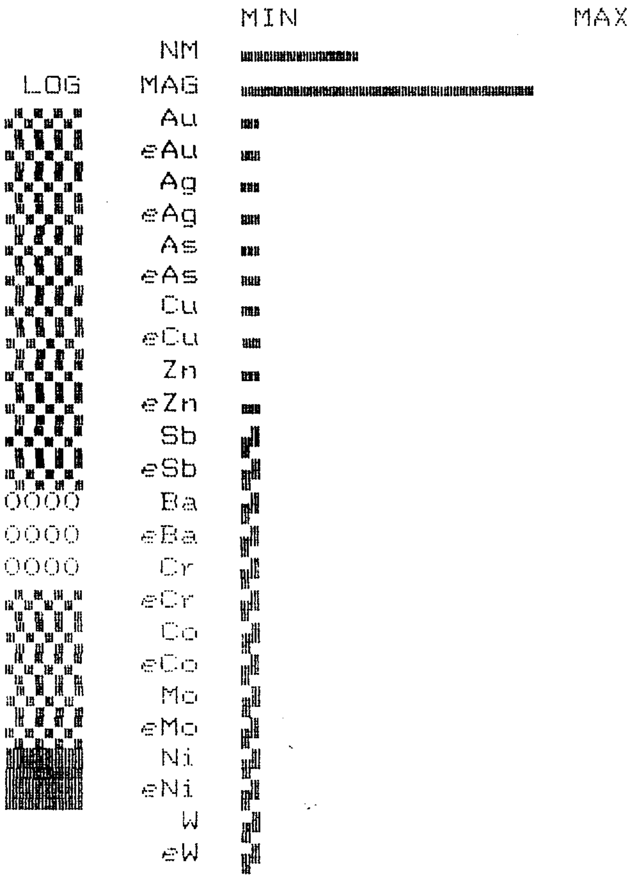
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
12	1.75	0

01

FROM	TO	TYPE	SS	BEDROCK
22	25	50	10	33

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
3232	3515	0	0

Au:	170 ng/g	cAu:	2720 ng	eAu:	549 pg/g
Ag:	.05 µg/g	cAg:	.8 µg	eAg:	.2 ng/g
As:	8 µg/g	cAs:	128 µg	eAs:	26 ng/g
Cu:	335 µg/g	cCu:	5360 µg	eCu:	1083 ng/g
Zn:	22 µg/g	cZn:	352 µg	eZn:	71 ng/g
Sb:	0 µg/g	cSb:	0 µg	eSb:	0 ng/g
Ba:	0 µg/g	cBa:	0 µg	eBa:	0 ng/g
Cr:	0 µg/g	cCr:	0 µg	eCr:	0 ng/g
Co:	0 µg/g	cCo:	0 µg	eCo:	0 ng/g
Mo:	0 µg/g	cMo:	0 µg	eMo:	0 ng/g
Ni:	0 µg/g	cNi:	0 µg	eNi:	0 ng/g
W:	0 µg/g	cW:	0 µg	eW:	0 ng/g



O/B ENJCAR

```
                              EC-86-001

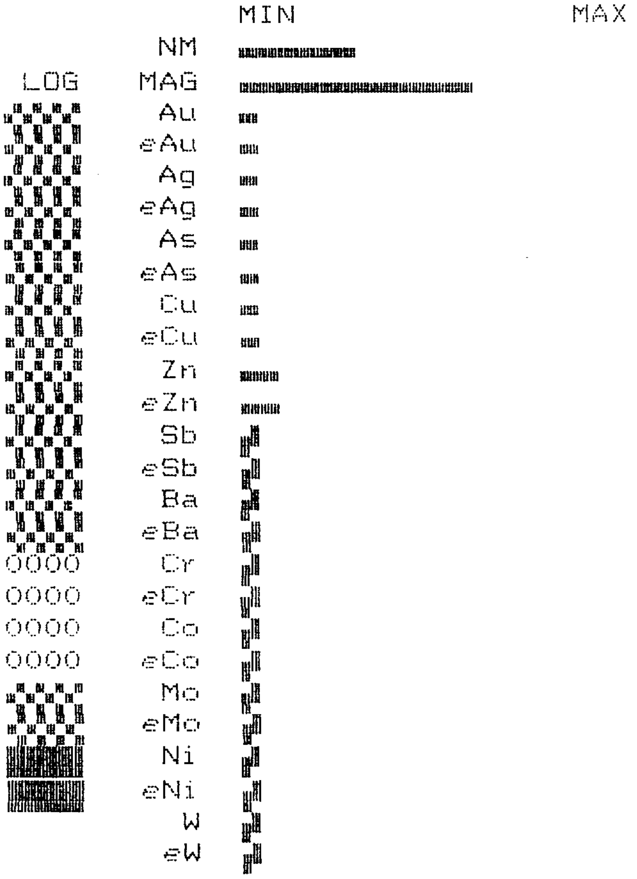
           DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                 12           1.75              0

                                 02

                 FROM     TO    TYPE   SS   BEDROCK
                  25      30     50    10      33


          mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                3071         2869        0       0

 Au: 300 ng/g            cAu: 4560 ng          eAu: 921 pg/g
 Ag: .4 ug/g             cAg: 6.1 ug           eAg: 1.2 ng/g
 As: 50 ug/g             cAs: 760 ug           eAs: 154 ng/g
 Cu: 512 ug/g            cCu: 7782 ug          eCu: 1572 ng/g
 Zn: 86 ug/g             cZn: 1307 ug          eZn: 264 ng/g
 Sb: 0 ug/g              cSb: 0 ug             eSb: 0 ng/g
 Ba: 0 ug/g              cBa: 0 ug             eBa: 0 ng/g
 Cr: 0 ug/g              cCr: 0 ug             eCr: 0 ng/g
 Co: 0 ug/g              cCo: 0 ug             eCo: 0 ng/g
 Mo: 0 ug/g              cMo: 0 ug             eMo: 0 ng/g
 Ni: 0 ug/g              cNi: 0 ug             eNi: 0 ng/g
  W: 0 ug/g               cW: 0 ug              eW: 0 ng/g
```



0/8 ENJCAR

```
                              EC-86-001

          DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                12           1.70               0

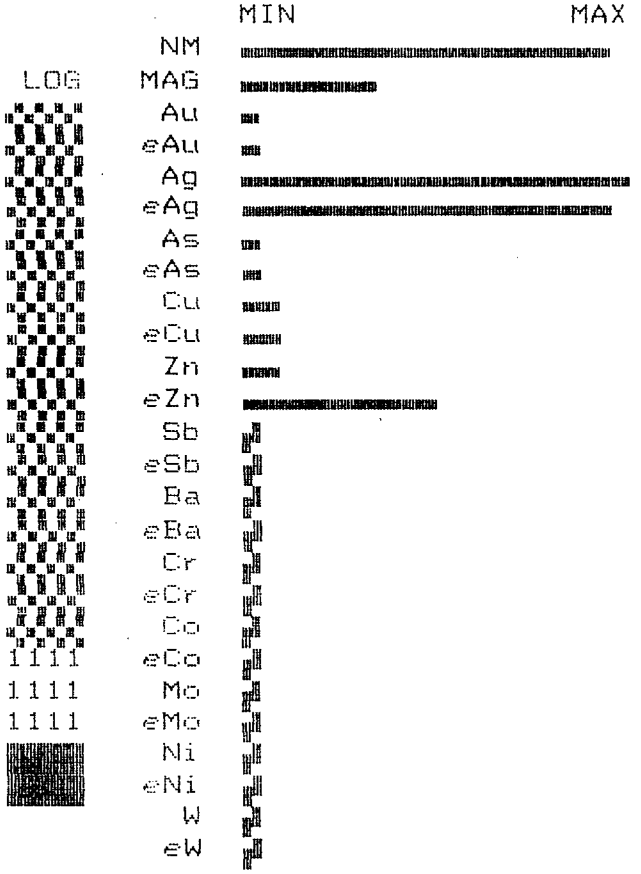
                                 03

                   FROM      TO    TYPE   SS   BEDROCK
                    30       33     80    20      33
```

15% PYRITE

```
          mg/kg NON MAG   mg/kg MAG      VG   MIN#2
                9846          1641      2.7       0

Au: 60 ng/g              cAu: 1728 ng          eAu: 591 pg/g
Ag: 20 µg/g              cAg: 576 µg           eAg: 196.9 ng/g
As: 15 µg/g              cAs: 432 µg           eAs: 148 ng/g
Cu: 1735 µg/g            cCu: 49968 µg         eCu: 17083 ng/g
Zn: 88 µg/g              cZn: 2534 µg          eZn: 866 ng/g
Sb: 0 µg/g               cSb: 0 µg             eSb: 0 ng/g
Ba: 0 µg/g               cBa: 0 µg             eBa: 0 ng/g
Cr: 0 µg/g               cCr: 0 µg             eCr: 0 ng/g
Co: 0 µg/g               cCo: 0 µg             eCo: 0 ng/g
Mo: 0 µg/g               cMo: 0 µg             eMo: 0 ng/g
Ni: 0 µg/g               cNi: 0 µg             eNi: 0 ng/g
 W: 0 µg/g                cW: 0 µg              eW: 0 ng/g
```



0/B ENJCAR

EC-86-002

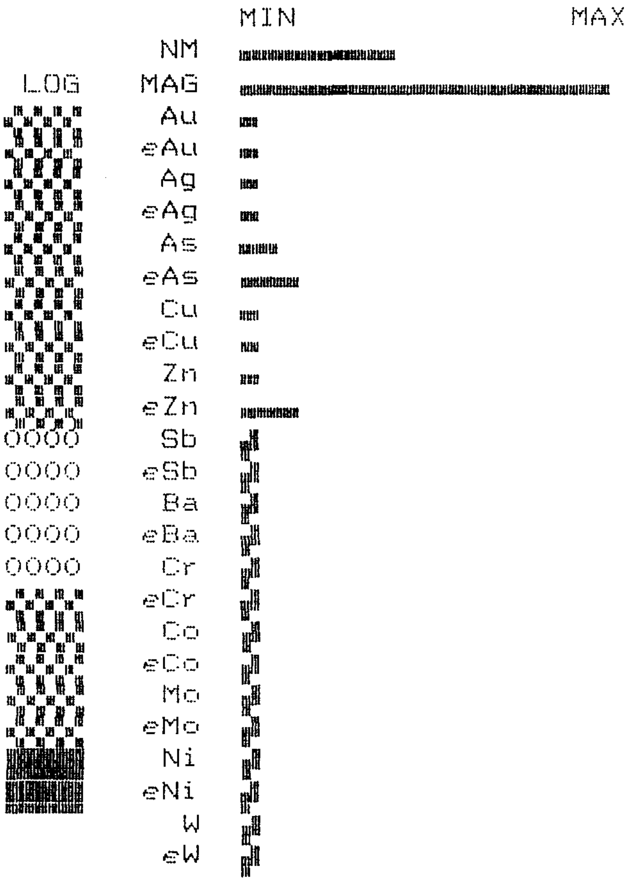
```
DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
     24            0             0
```

01

```
FROM     TO    TYPE   SS   BEDROCK
 33      45     40    10     57
```

```
mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
    4412          4588        0       0
```

```
Au: 50 ng/g          cAu: 1125 ng        eAu: 221 pg/g
Ag: .6 ug/g          cAg: 13.5 ug        eAg: 2.6 ng/g
As: 74 ug/g          cAs: 1665 ug        eAs: 326 ng/g
Cu: 230 ug/g         cCu: 5175 ug        eCu: 1015 ng/g
Zn: 78 ug/g          cZn: 1755 ug        eZn: 344 ng/g
Sb: 0 ug/g           cSb: 0 ug           eSb: 0 ng/g
Ba: 0 ug/g           cBa: 0 ug           eBa: 0 ng/g
Cr: 0 ug/g           cCr: 0 ug           eCr: 0 ng/g
Co: 0 ug/g           cCo: 0 ug           eCo: 0 ng/g
Mo: 0 ug/g           cMo: 0 ug           eMo: 0 ng/g
Ni: 0 ug/g           cNi: 0 ug           eNi: 0 ng/g
 W: 0 ug/g            cW: 0 ug            eW: 0 ng/g
```



O/B ENJCAR

```
                         EC-86-002

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                 24            0             0

                            02

               FROM      TO    TYPE   SS   BEDROCK
                45       50     40    10      57

        mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
              9846         1641        0       0

Au: 165 ng/g        cAu: 4752 ng        eAu: 1625 pg/g
Ag: .5 ug/g         cAg: 14.4 ug        eAg: 4.9 ng/g
As: 108 ug/g        cAs: 3110 ug        eAs: 1063 ng/g
Cu: 260 ug/g        cCu: 7488 ug        eCu: 2560 ng/g
Zn: 78 ug/g         cZn: 2246 ug        eZn: 768 ng/g
Sb: 0 ug/g          cSb: 0 ug           eSb: 0 ng/g
Ba: 0 ug/g          cBa: 0 ug           eBa: 0 ng/g
Cr: 0 ug/g          cCr: 0 ug           eCr: 0 ng/g
Co: 0 ug/g          cCo: 0 ug           eCo: 0 ng/g
Mo: 0 ug/g          cMo: 0 ug           eMo: 0 ng/g
Ni: 0 ug/g          cNi: 0 ug           eNi: 0 ng/g
 W: 0 ug/g           cW: 0 ug            eW: 0 ng/g
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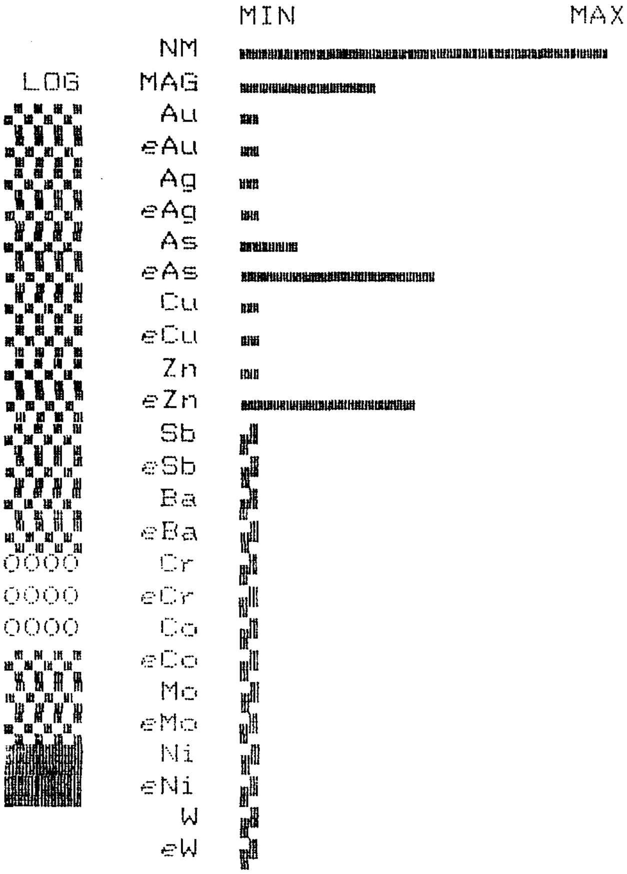


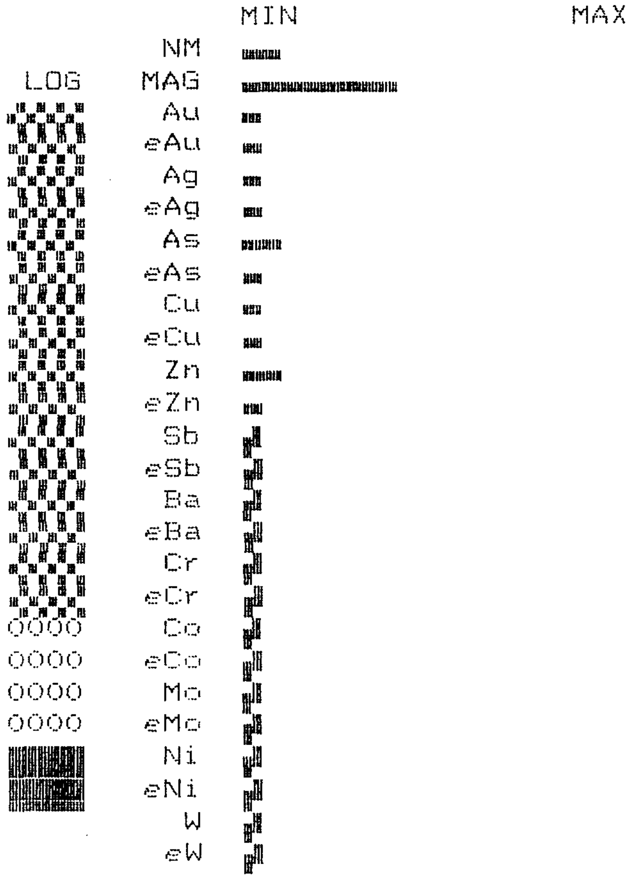
O/B ENJCAR

EC-86-002

```
DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
     24            0             0

                  03

     FROM     TO    TYPE   SS   BEDROCK
      50      57     40    20      57
```

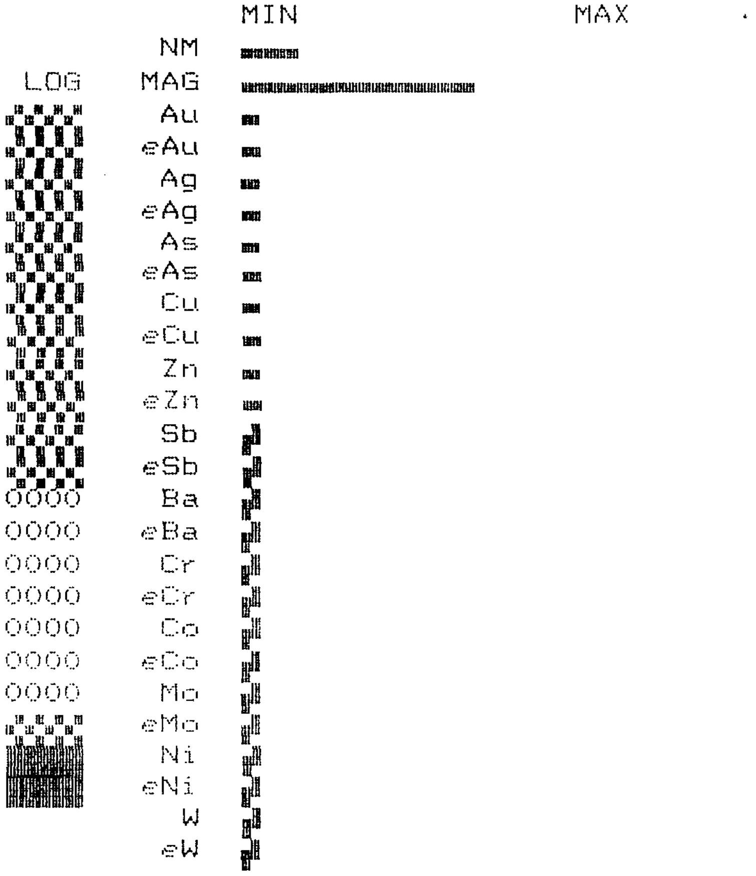
15% PYRITE

```
mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
     1039          1905        0       0

Au: 65 ng/g       cAu: 390 ng      eAu: 68 pg/g
Ag: 1.3 ug/g      cAg: 7.8 ug      eAg: 1.4 ng/g
As: 70 ug/g       cAs: 420 ug      eAs: 73 ng/g
Cu: 385 ug/g      cCu: 2310 ug     eCu: 400 ng/g
Zn: 109 ug/g      cZn: 654 ug      eZn: 113 ng/g
Sb: 0 ug/g        cSb: 0 ug        eSb: 0 ng/g
Ba: 0 ug/g        cBa: 0 ug        eBa: 0 ng/g
Cr: 0 ug/g        cCr: 0 ug        eCr: 0 ng/g
Co: 0 ug/g        cCo: 0 ug        eCo: 0 ng/g
Mo: 0 ug/g        cMo: 0 ug        eMo: 0 ng/g
Ni: 0 ug/g        cNi: 0 ug        eNi: 0 ng/g
 W: 0 ug/g         cW: 0 ug         eW: 0 ng/g
```



0/8 ENJCAR

```
                         EC-86-018

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
             20           0.0             0

                            01

               FROM      TO    TYPE   SS   BEDROCK
                25       37     80    10      38


        mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
             1626          2797        0       0

Au: 10 ng/g            cAu: 100 ng           eAu: 16 pg/g
Ag: .05 ug/g           cAg: .5 ug            eAg: .1 ng/g
As: 1 ug/g             cAs: 10 ug            eAs: 2 ng/g
Cu: 32 ug/g            cCu: 320 ug           eCu: 52 ng/g
Zn: 16 ug/g            cZn: 160 ug           eZn: 26 ng/g
Sb: 0 ug/g             cSb: 0 ug             eSb: 0 ng/g
Ba: 0 ug/g             cBa: 0 ug             eBa: 0 ng/g
Cr: 0 ug/g             cCr: 0 ug             eCr: 0 ng/g
Co: 0 ug/g             cCo: 0 ug             eCo: 0 ng/g
Mo: 0 ug/g             cMo: 0 ug             eMo: 0 ng/g
Ni: 0 ug/g             cNi: 0 ug             eNi: 0 ng/g
 W: 0 ug/g              cW: 0 ug              eW: 0 ng/g
```



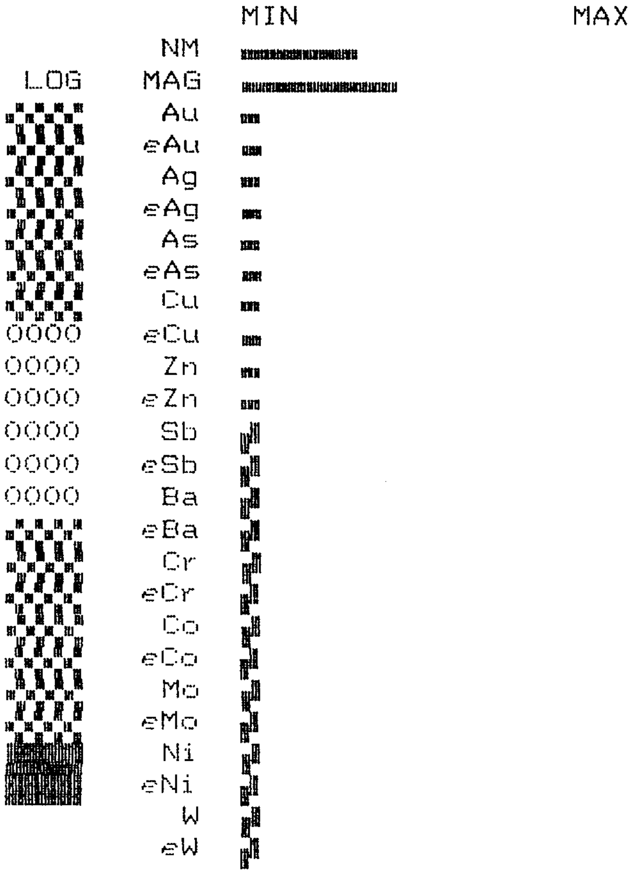
O/B ENJCAR

EC-86-021

```
DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
     28          -10.5              0
```

O1

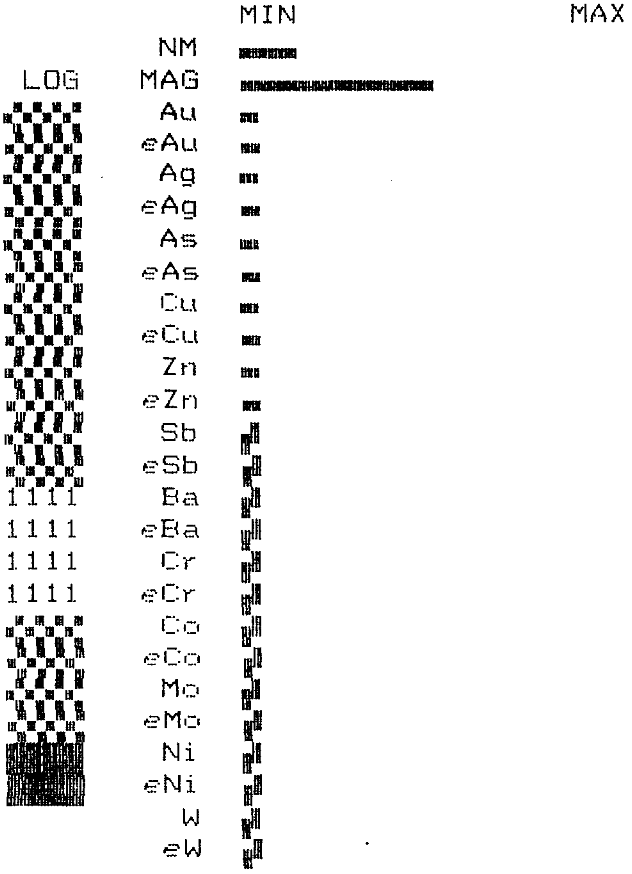
```
FROM     TO    TYPE   SS   BEDROCK
 35      55     80    10      84


mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
      3073          2065       0       0

Au:  170 ng/g         cAu:  3213 ng       eAu:  522 pg/g
Ag:  .05 μg/g         cAg:  .9 μg         eAg:  .2 ng/g
As:  17 μg/g          cAs:  321 μg        eAs:  52 ng/g
Cu:  117 μg/g         cCu:  2211 μg       eCu:  360 ng/g
Zn:  49 μg/g          cZn:  926 μg        eZn:  151 ng/g
Sb:  0 μg/g           cSb:  0 μg          eSb:  0 ng/g
Ba:  0 μg/g           cBa:  0 μg          eBa:  0 ng/g
Cr:  0 μg/g           cCr:  0 μg          eCr:  0 ng/g
Co:  0 μg/g           cCo:  0 μg          eCo:  0 ng/g
Mo:  0 μg/g           cMo:  0 μg          eMo:  0 ng/g
Ni:  0 μg/g           cNi:  0 μg          eNi:  0 ng/g
 W:  0 μg/g            cW:  0 μg           eW:  0 ng/g
```



O/B ENJCAR

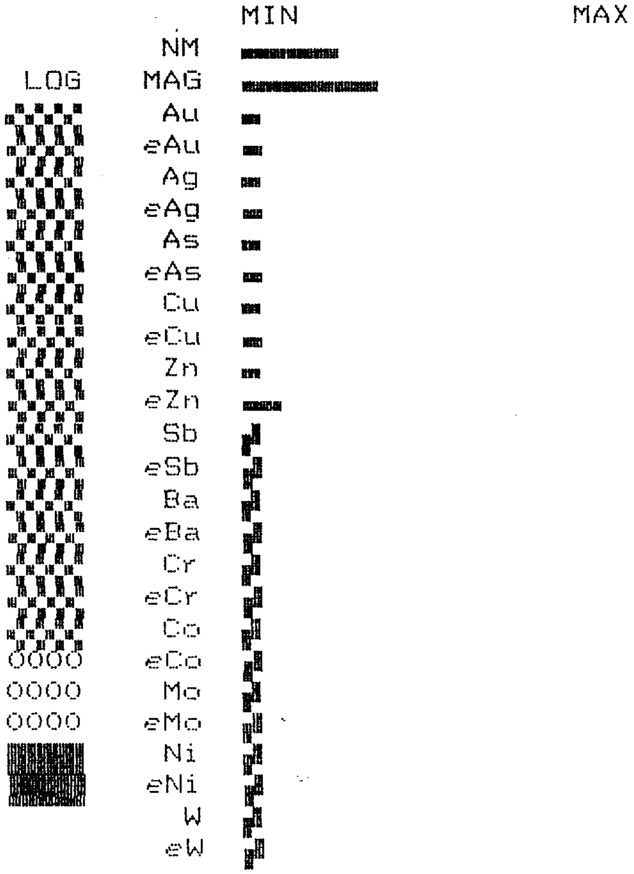
EC-86-021

```
DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
     28          -10.5            0

                  02

       FROM     TO    TYPE   SS   BEDROCK
        55      70     80    10      84


mg/kg NON MAG   mg/kg MAG      VG   MIN#2
    1678           2416       1.3     0

Au:  20 ng/g         cAu:  214 ng        eAu:  34 pg/g
Ag:  .6 µg/g         cAg:  6.4 µg        eAg:  1 ng7g
As:  29 µg/g         cAs:  310 µg        eAs:  49 ng/g
Cu:  165 µg7g        cCu:  1766 µg       eCu:  277 ng7g
Zn:  29 µg7g         cZn:  310 µg        eZn:  49 ng/g
Sb:  0 µg7g          cSb:  0 µg          eSb:  0 ng7g
Ba:  0 µg/g          cBa:  0 µg          eBa:  0 ng/g
Cr:  0 µg/g          cCr:  0 µg          eCr:  0 ng/g
Co:  0 µg/g          cCo:  0 µg          eCo:  0 ng/g
Mo:  0 µg/g          cMo:  0 µg          eMo:  0 ng/g
Ni:  0 µg/g          cNi:  0 µg          eNi:  0 ng/g
 W:  0 µg/g           cW:  0 µg           eW:  0 ng/g
```



O/B ENJCAR

```
                              EC-86-021

            DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                 28          -10.5              0

                                  O3

                  FROM      TO    TYPE   SS   BEDROCK
                   76       84     80    20      84


            mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                  2959         1821        0       0

Au: 115 ng/g            cAu: 2093 ng          eAu: 340 pg/g
Ag: .6 ug7g             cAg: 10.9 ug          eAg: 1.8 ng/g
As: 43 ug/g             cAs: 783 ug           eAs: 127 ng/g
Cu: 240 ug7g            cCu: 4368 ug          eCu: 710 ng/g
Zn: 72 ug/g             cZn: 1310 ug          eZn: 213 ng/g
Sb: 0 ug7g              cSb: 0 ug             eSb: 0 ng/g
Ba: 0 ug/g              cBa: 0 ug             eBa: 0 ng/g
Cr: 0 ug/g              cCr: 0 ug             eCr: 0 ng/g
Co: 0 ug/g              cCo: 0 ug             eCo: 0 ng/g
Mo: 0 ug/g              cMo: 0 ug             eMo: 0 ng/g
Ni: 0 ug/g              cNi: 0 ug             eNi: 0 ng/g
 W: 0 ug/g               cW: 0 ug              eW: 0 ng/g
```



O/B ENJCAR

EC-86-029

DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
12	5	0

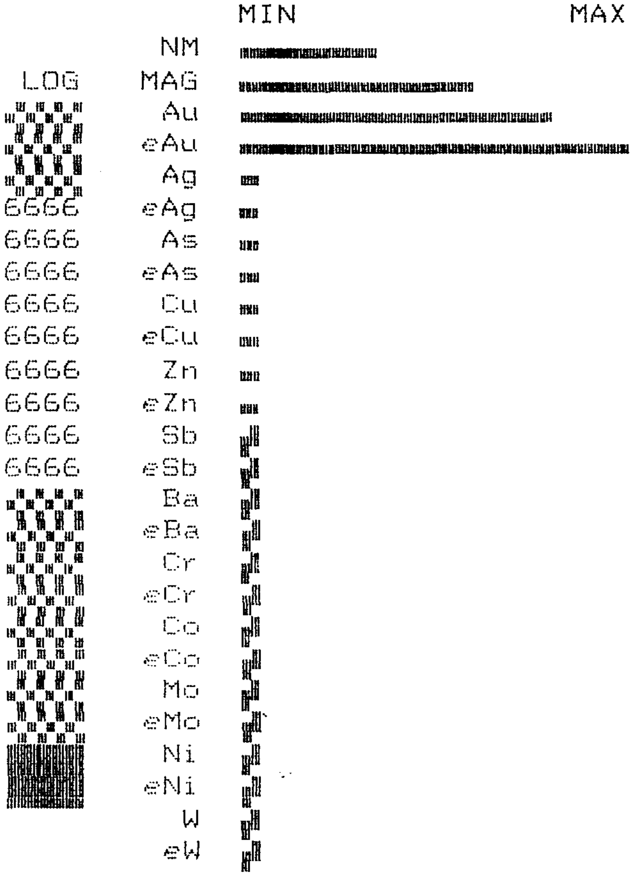
O1

FROM	TO	TYPE	SS	BEDROCK
10	30	40	10	48

1% PYRITE

mg/kg NON MAG	mg/kg MAG	VG	MIN#2
3627	2863	9.4	0

Au: 15290 ng/g	cAu: 282865 ng	eAu: 55464 pg/g
Ag: .05 ug/g	cAg: .9 ug	eAg: .2 ng/g
As: 4 ug/g	cAs: 74 ug	eAs: 15 ng/g
Cu: 45 ug/g	cCu: 833 ug	eCu: 163 ng/g
Zn: 24 ug/g	cZn: 444 ug	eZn: 87 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



0/B ENJCAR

EC-86-029

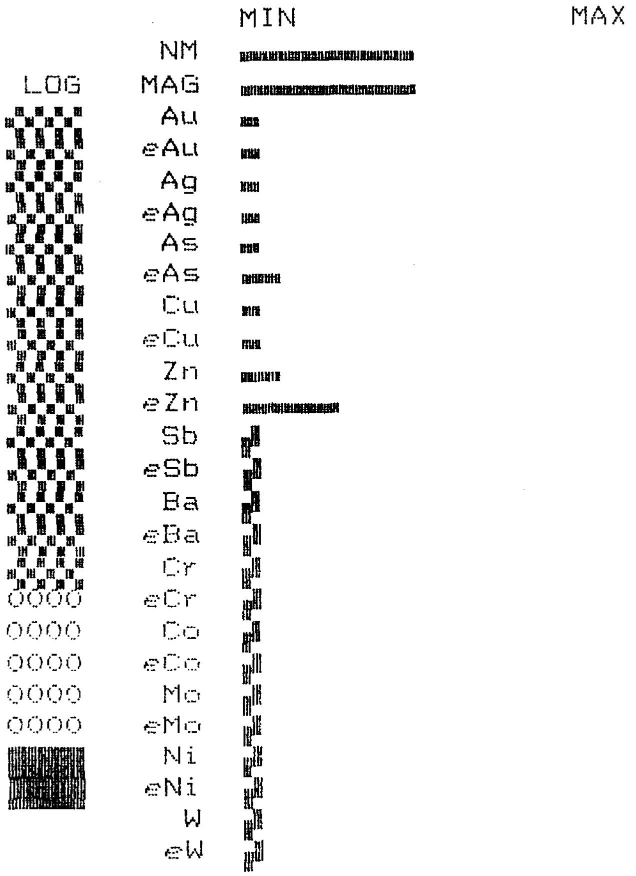
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
12	8	0

02

FROM	TO	TYPE	SS	BEDROCK
40	48	80	20	48

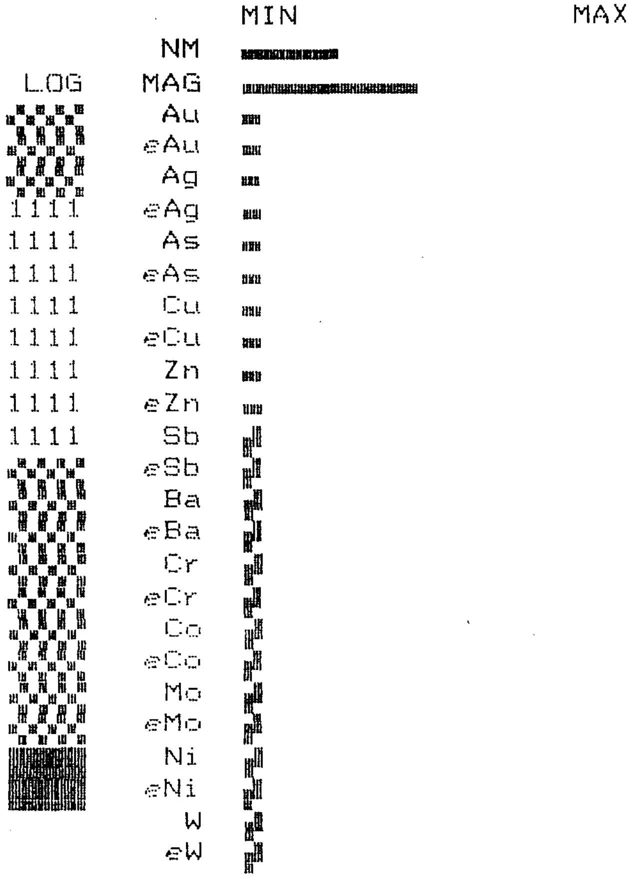
mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
4686	2152	0	0

Au: 150 ng/g	cAu: 3690 ng	eAu: 703 pg/g
Ag: .6 ug/g	cAg: 14.8 ug	eAg: 2.8 ng/g
As: 57 ug/g	cAs: 1402 ug	eAs: 267 ng/g
Cu: 234 ug/g	cCu: 5756 ug	eCu: 1096 ng/g
Zn: 98 ug/g	cZn: 2411 ug	eZn: 459 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



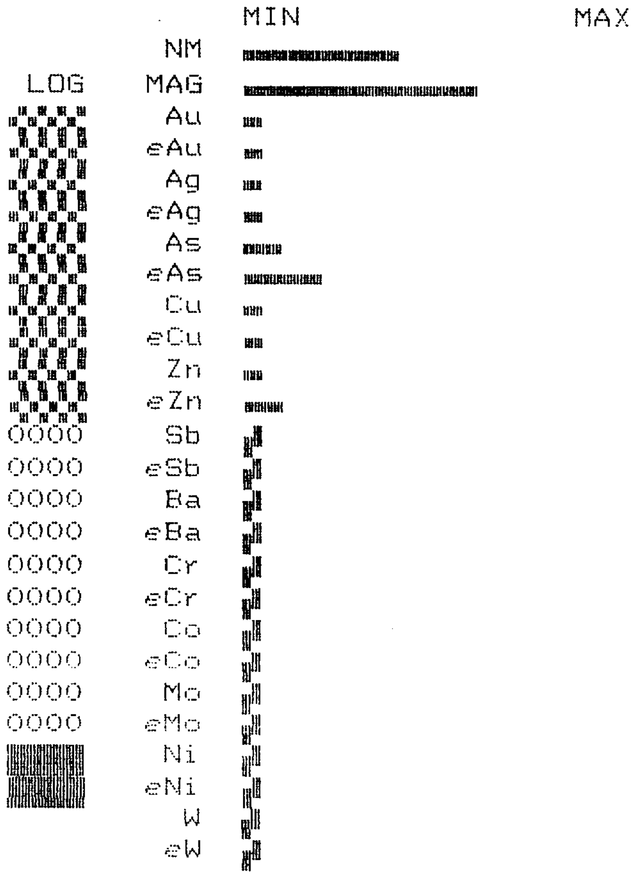
O/B ENJCAR

```
                         EC-86-028

          DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                16           28              0

                            01

                  FROM     TO    TYPE   SS   BEDROCK
                   10      25     50    10      42


          mg/kg NON MAG   mg/kg MAG      VG   MIN#2
             2667           2172       1.7      0

Au:  135 ng/g          cAu:  1674 ng          eAu:  360 pg/g
Ag:  .2 ug/g           cAg:  2.5 ug           eAg:  .5 ng/g
As:  26 ug/g           cAs:  322 ug           eAs:  69 ng/g
Cu:  90 ug/g           cCu:  1116 ug          eCu:  240 ng/g
Zn:  40 ug/g           cZn:  496 ug           eZn:  107 ng/g
Sb:  0 ug/g            cSb:  0 ug             eSb:  0 ng/g
Ba:  0 ug/g            cBa:  0 ug             eBa:  0 ng/g
Cr:  0 ug/g            cCr:  0 ug             eCr:  0 ng/g
Co:  0 ug/g            cCo:  0 ug             eCo:  0 ng/g
Mo:  0 ug/g            cMo:  0 ug             eMo:  0 ng/g
Ni:  0 ug/g            cNi:  0 ug             eNi:  0 ng/g
 W:  0 ug/g             cW:  0 ug              eW:  0 ng/g
```



0/8 ENJCAR

```
                          EC-86-028

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
             10            20            0

                             02

                 FROM     TO    TYPE   SS   BEDROCK
                  25      42     80    20      42


        mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
             4176          2961       0       0

  Au: 60 ng/g          cAu: 1278 ng          eAu: 251 pg/g
  Ag: .3 µg/g          cAg: 6.4 µg           eAg: 1.3 ng/g
  As: 96 µg/g          cAs: 2045 µg          eAs: 401 ng/g
  Cu: 274 µg/g         cCu: 5836 µg          eCu: 1144 ng/g
  Zn: 46 µg/g          cZn: 980 µg           eZn: 192 ng/g
  Sb: 0 µg/g           cSb: 0 µg             eSb: 0 ng/g
  Ba: 0 µg/g           cBa: 0 µg             eBa: 0 ng/g
  Cr: 0 µg/g           cCr: 0 µg             eCr: 0 ng/g
  Co: 0 µg/g           cCo: 0 µg             eCo: 0 ng/g
  Mo: 0 µg/g           cMo: 0 µg             eMo: 0 ng/g
  Ni: 0 µg/g           cNi: 0 µg             eNi: 0 ng/g
   W: 0 µg/g            cW: 0 µg              eW: 0 ng/g
```



O/B ENJCAR

EC-86-031

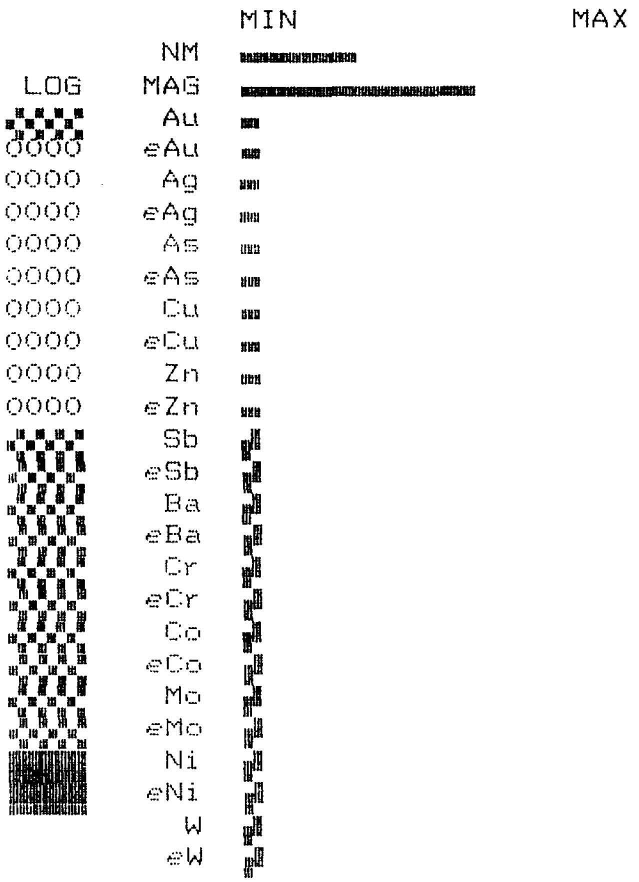
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
12	15	0

01

FROM	TO	TYPE	SS	BEDROCK
8	30	60	10	60

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
3129	2951	0	0

Au: 65 ng/g	cAu: 1144 ng	eAu: 203 pg/g
Ag: .05 ug/g	cAg: .9 ug	eAg: .2 ng/g
As: 10 ug/g	cAs: 176 ug	eAs: 31 ng/g
Cu: 59 ug/g	cCu: 1038 ug	eCu: 185 ng/g
Zn: 35 ug/g	cZn: 616 ug	eZn: 110 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g

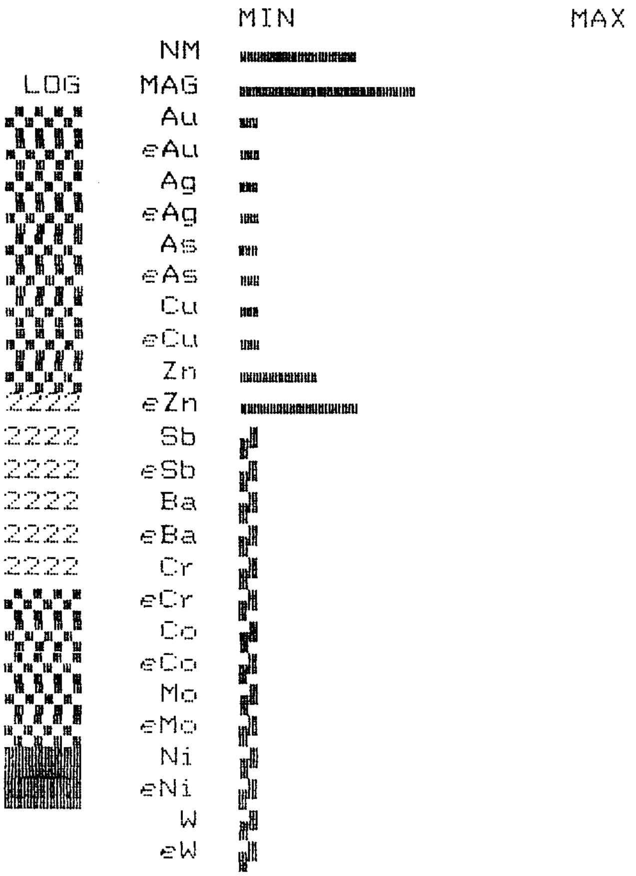


O/B ENJCAR

```
                    EC-86-031

DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
     12            15            0

                       O2

        FROM     TO    TYPE   SS   BEDROCK
         30      45     80    10      60
```

10% PYRITE

```
mg/kg NON MAG   mg/kg MAG     VG   MIN#2
     3351          2263      2.8     0

Au: 1490 ng/g        cAu: 28459 ng      eAu: 4993 pg/g
Ag: .2 ug/g          cAg: 3.8 ug        eAg: .7 ng/g
As: 41 ug/g          cAs: 783 ug        eAs: 137 ng/g
Cu: 194 ug/g         cCu: 3705 ug       eCu: 650 ng/g
Zn: 176 ug/g         cZn: 3362 ug       eZn: 590 ng/g
Sb: 0 ug/g           cSb: 0 ug          eSb: 0 ng/g
Ba: 0 ug/g           cBa: 0 ug          eBa: 0 ng/g
Cr: 0 ug/g           cCr: 0 ug          eCr: 0 ng/g
Co: 0 ug/g           cCo: 0 ug          eCo: 0 ng/g
Mo: 0 ug/g           cMo: 0 ug          eMo: 0 ng/g
Ni: 0 ug/g           cNi: 0 ug          eNi: 0 ng/g
 W: 0 ug/g            cW: 0 ug           eW: 0 ng/g
```



O/B ENJCAR

EC-86-031

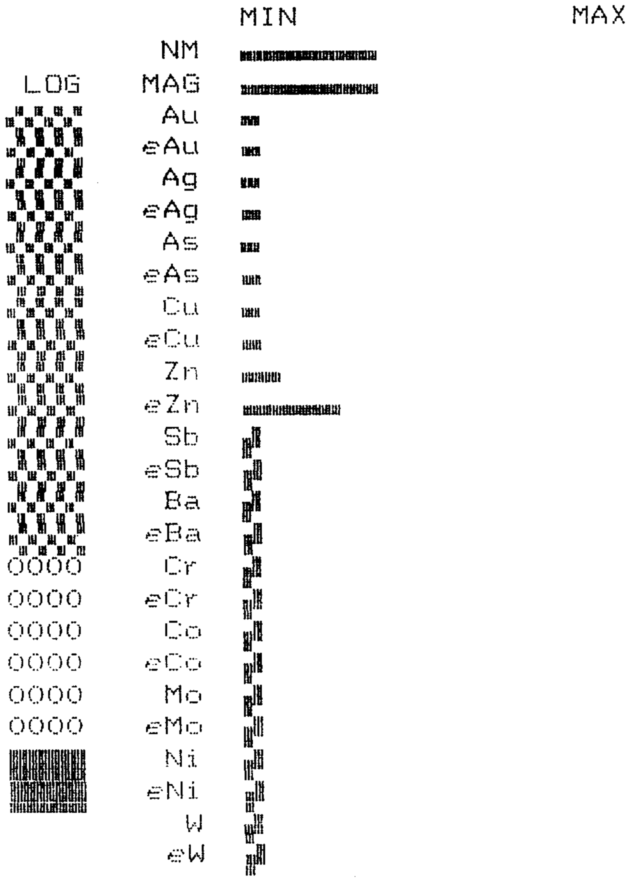
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
12	15	0

03

FROM	TO	TYPE	SS	BEDROCK
45	60	80	20	60

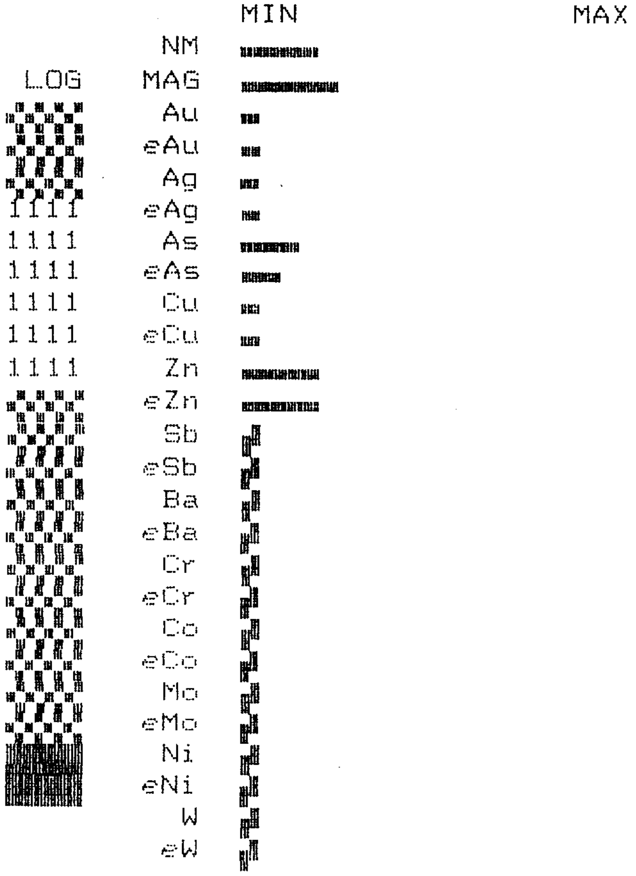
mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
4034	1705	0	0

Au: 140 ng/g	cAu: 3346 ng	eAu: 565 pg/g
Ag: .3 ug/g	cAg: 7.2 ug	eAg: 1.2 ng/g
As: 30 ug/g	cAs: 717 ug	eAs: 121 ng/g
Cu: 167 ug/g	cCu: 3991 ug	eCu: 674 ng/g
Zn: 120 ug/g	cZn: 2868 ug	eZn: 484 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



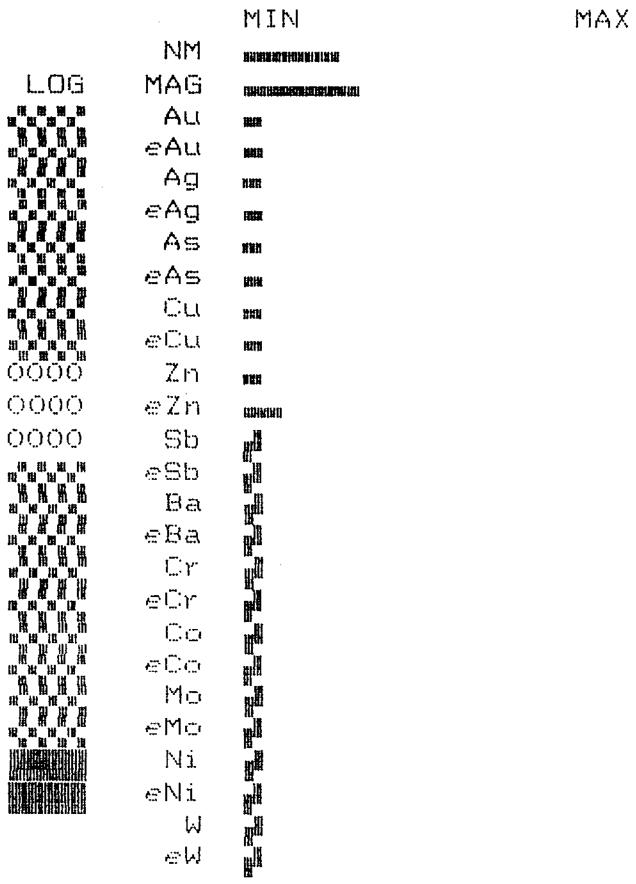
0/8 ENJCAR

```
                         EC-86-032

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
             5            6.5            0

                           02-3

              FROM     TO    TYPE   SS   BEDROCK
               30      65     80    10     132


       mg/kg NON MAG   mg/kg MAG      VG   MIN#2
            2472           1398       .7     0

Au: 105 ng/g          cAu: 3192 ng         eAu: 260 pg/g
Ag: .8 ug/g           cAg: 24.3 ug         eAg: 2 ng/g
As: 115 ug/g          cAs: 3496 ug         eAs: 284 ng/g
Cu: 600 ug/g          cCu: 18240 ug        eCu: 1483 ng/g
Zn: 160 ug/g          cZn: 4864 ug         eZn: 395 ng/g
Sb: 0 ug/g            cSb: 0 ug            eSb: 0 ng/g
Ba: 0 ug/g            cBa: 0 ug            eBa: 0 ng/g
Cr: 0 ug/g            cCr: 0 ug            eCr: 0 ng/g
Co: 0 ug/g            cCo: 0 ug            eCo: 0 ng/g
Mo: 0 ug/g            cMo: 0 ug            eMo: 0 ng/g
Ni: 0 ug/g            cNi: 0 ug            eNi: 0 ng/g
 W: 0 ug/g             cW: 0 ug             eW: 0 ng/g
```



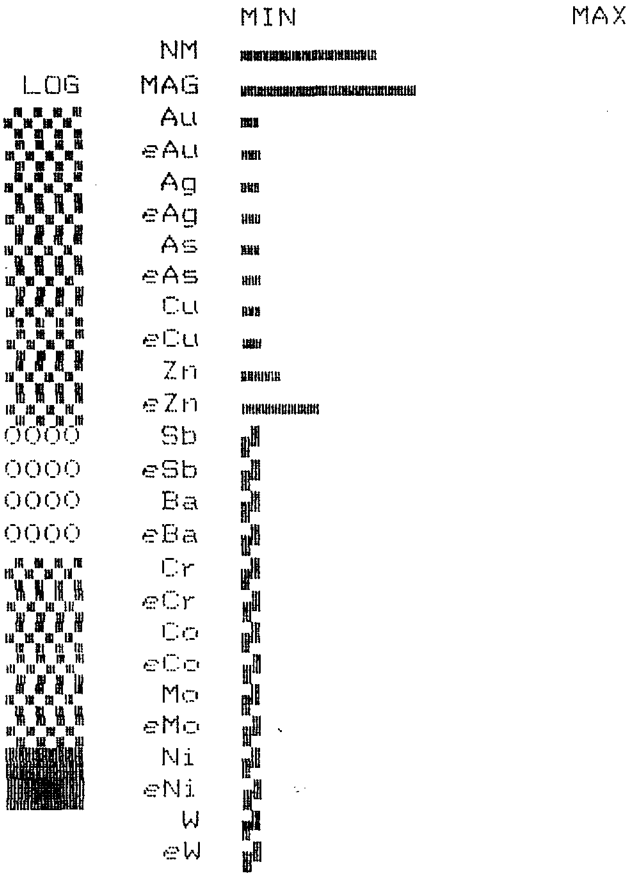
O/B ENJCAR

```
                           EC-86-032

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                  8          6.5             0

                              04

                FROM      TO    TYPE   SS   BEDROCK
                 65       77     60    10     132

        mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                2783         1633       0       0

Au: 80 ng/g           cAu: 1336 ng        eAu: 223 pg/g
Ag: .6 ug/g           cAg: 10 ug          eAg: 1.7 ng/g
As: 42 ug/g           cAs: 701 ug         eAs: 117 ng/g
Cu: 176 ug7g          cCu: 2939 ug        eCu: 490 ng/g
Zn: 78 ug/g           cZn: 1303 ug        eZn: 217 ng/g
Sb: 0 ug7g            cSb: 0 ug           eSb: 0 ng/g
Ba: 0 ug/g            cBa: 0 ug           eBa: 0 ng/g
Cr: 0 ug/g            cCr: 0 ug           eCr: 0 ng/g
Co: 0 ug/g            cCo: 0 ug           eCo: 0 ng/g
Mo: 0 ug/g            cMo: 0 ug           eMo: 0 ng/g
Ni: 0 ug/g            cNi: 0 ug           eNi: 0 ng/g
 W: 0 ug/g             cW: 0 ug            eW: 0 ng/g
```



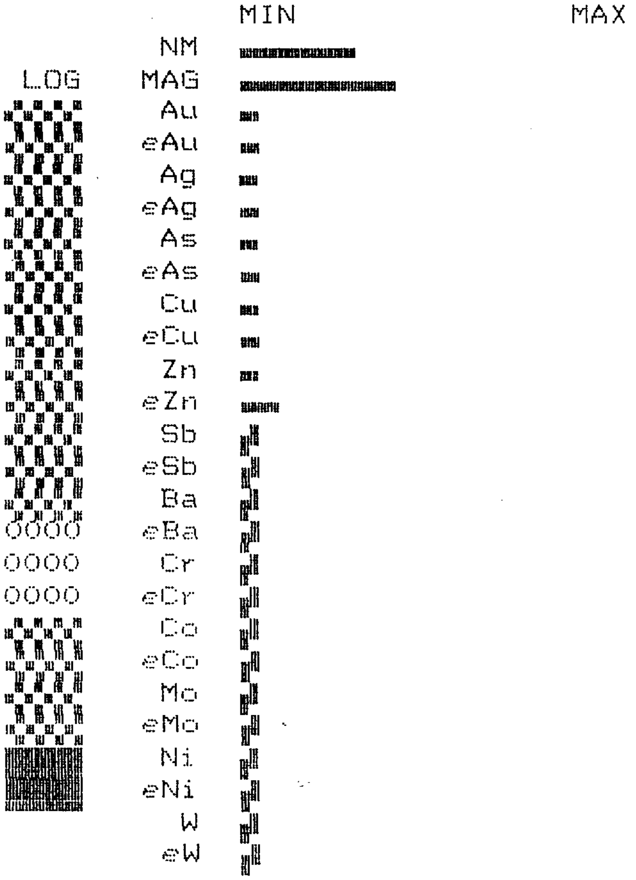
O/B ENJCAR

```
                         EC-86-032

     DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
          0             6.0            0

                            05

              FROM     TO    TYPE   SS   BEDROCK
               77      95     60    10     132


     mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
            3913          2251       0       0

Au:  45 ng/g          cAu:  1017 ng          eAu:  176 pg/g
Ag:  .6 ug/g          cAg:  13.6 ug          eAg:  2.3 ng/g
As:  38 ug/g          cAs:  859 ug           eAs:  149 ng/g
Cu:  259 ug/g         cCu:  5853 ug          eCu:  1014 ng/g
Zn:  97 ug/g          cZn:  2192 ug          eZn:  380 ng/g
Sb:  0 ug/g           cSb:  0  ug            eSb:  0  ng/g
Ba:  0  ug/g          cBa:  0  ug            eBa:  0  ng/g
Cr:  0  ug/g          cCr:  0  ug            eCr:  0  ng/g
Co:  0  ug/g          cCo:  0  ug            eCo:  0  ng/g
Mo:  0  ug/g          cMo:  0  ug            eMo:  0  ng/g
Ni:  0  ug/g          cNi:  0  ug            eNi:  0  ng/g
 W:  0  ug/g           cW:  0  ug             eW:  0  ng/g
```



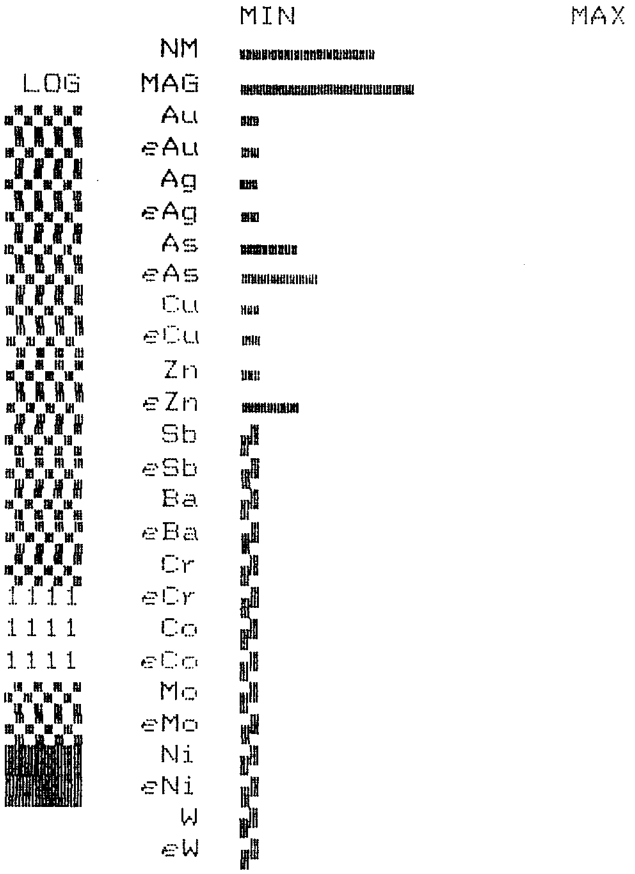
0/B ENJCAR

```
                          EC-86-032

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                8            6.5             0

                             06

              FROM     TO    TYPE   SS   BEDROCK
                95     108    80    10      132


        mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                3159         1928       0       0

Au:  120 ng/g         cAu:  1848 ng        eAu:  379 pg/g
Ag:  .4 ug/g          cAg:  6.2 ug         eAg:  1.3 ng/g
As:  35 ug/g          cAs:  539 ug         eAs:  111 ng/g
Cu:  236 ug/g         cCu:  3634 ug        eCu:  746 ng/g
Zn:  75 ug/g          cZn:  1155 ug        eZn:  237 ng/g
Sb:  0 ug/g           cSb:  0 ug           eSb:  0 ng/g
Ba:  0 ug/g           cBa:  0 ug           eBa:  0 ng/g
Cr:  0 ug/g           cCr:  0 ug           eCr:  0 ng/g
Co:  0 ug/g           cCo:  0 ug           eCo:  0 ng/g
Mo:  0 ug/g           cMo:  0 ug           eMo:  0 ng/g
Ni:  0 ug/g           cNi:  0 ug           eNi:  0 ng/g
 W:  0 ug/g            cW:  0 ug            eW:  0 ng/g
```



0/B ENJCAR

```
                         EC-86-032

         DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
              8            6.5             0

                            07

                 FROM    TO   TYPE   SS   BEDROCK
                  108    125   80    20     132


         mg/kg NON MAG   mg/kg MAG     VG   MIN#2
                3771          2210     1.5     0

Au: 165 ng/g          cAu: 3267 ng        eAu: 622 pg/g
Ag: .5 ug/g           cAg: 9.9 ug         eAg: 1.9 ng/g
As: 113 ug/g          cAs: 2237 ug        eAs: 426 ng/g
Cu: 225 ug/g          cCu: 4455 ug        eCu: 849 ng/g
Zn: 75 ug/g           cZn: 1485 ug        eZn: 283 ng/g
Sb: 0 ug/g            cSb: 0 ug           eSb: 0 ng/g
Ba: 0 ug/g            cBa: 0 ug           eBa: 0 ng/g
Cr: 0 ug/g            cCr: 0 ug           eCr: 0 ng/g
Co: 0 ug/g            cCo: 0 ug           eCo: 0 ng/g
Mo: 0 ug/g            cMo: 0 ug           eMo: 0 ng/g
Ni: 0 ug/g            cNi: 0 ug           eNi: 0 ng/g
 W: 0 ug/g             cW: 0 ug            eW: 0 ng/g
```



0/B ENJCAR

EC-86-032

DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
8	6.5	0

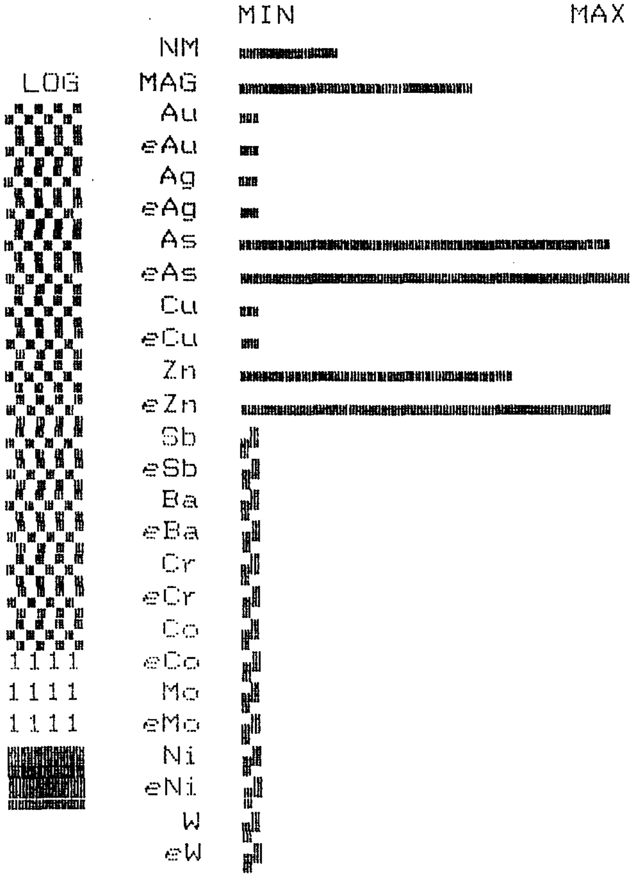
08

FROM	TO	TYPE	SS	BEDROCK
125	132	80	20	132

15% PYRITE

mg/kg NON MAG	mg/kg MAG	VG	ASPY
3034	2805	1.8	1000

Au: 110 ng/g	cAu: 1452 ng	eAu: 334 pg/g
Ag: .1 ug/g	cAg: 1.3 ug	eAg: .3 ng/g
As: 645 ug/g	cAs: 8514 ug	eAs: 1957 ng/g
Cu: 343 ug/g	cCu: 4528 ug	eCu: 1041 ng/g
Zn: 545 ug/g	cZn: 7194 ug	eZn: 1654 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



0/8 ENJCAR

EC-86-044

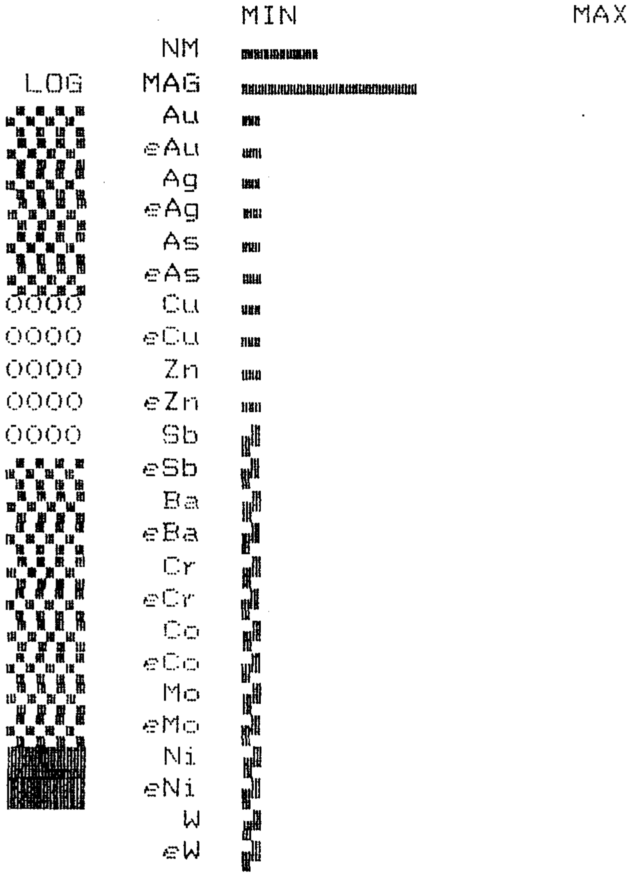
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
160	-17	0

01-2

FROM	TO	TYPE	SS	BEDROCK
20	32	60	10	57

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
2345	2137	0	0

Au: 25 ng/g	cAu: 730 ng	eAu: 59 pg/g
Ag: .2 ug/g	cAg: 5.8 ug	eAg: .5 ng/g
As: 29 ug/g	cAs: 847 ug	eAs: 68 ng/g
Cu: 116 ug/g	cCu: 3387 ug	eCu: 272 ng/g
Zn: 40 ug/g	cZn: 1168 ug	eZn: 94 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



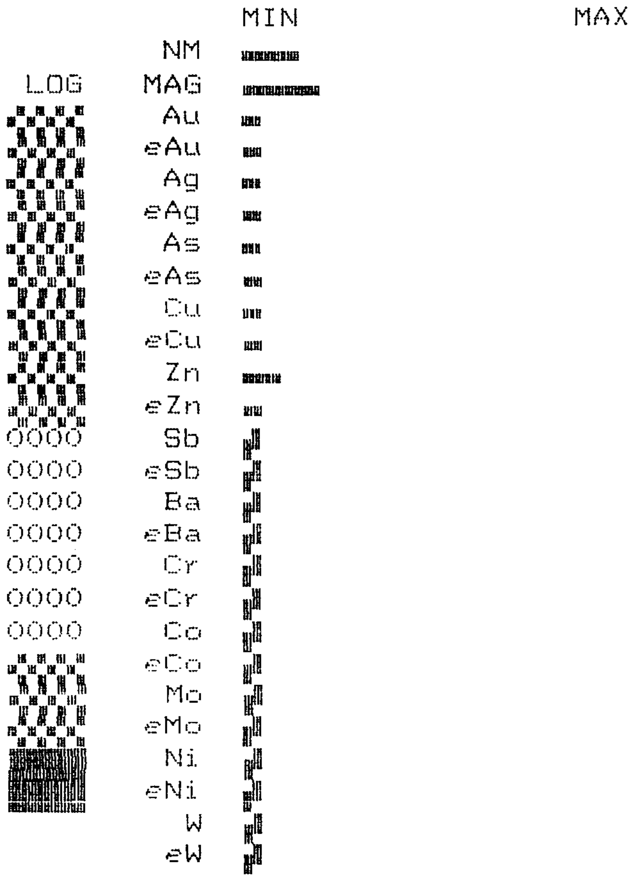
O/B ENJCAR

EC-86-044

```
DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
    160           -17            0
```

03-4

```
FROM     TO    TYPE   SS   BEDROCK
 32      50     80    10      57


mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
      1646         1055       0       0

Au: 45 ng/g          cAu: 878 ng        eAu: 74 pg/g
Ag: .6 ug/g          cAg: 11.7 ug       eAg: 1 ng/g
As: 32 ug/g          cAs: 624 ug        eAs: 53 ng/g
Cu: 156 ug/g         cCu: 3042 ug       eCu: 257 ng/g
Zn: 98 ug/g          cZn: 1911 ug       eZn: 161 ng/g
Sb: 0 ug/g           cSb: 0 ug          eSb: 0 ng/g
Ba: 0 ug/g           cBa: 0 ug          eBa: 0 ng/g
Cr: 0 ug/g           cCr: 0 ug          eCr: 0 ng/g
Co: 0 ug/g           cCo: 0 ug          eCo: 0 ng/g
Mo: 0 ug/g           cMo: 0 ug          eMo: 0 ng/g
Ni: 0 ug/g           cNi: 0 ug          eNi: 0 ng/g
 W: 0 ug/g            cW: 0 ug           eW: 0 ng/g
```



O/B ENJCAR

EC-86-044

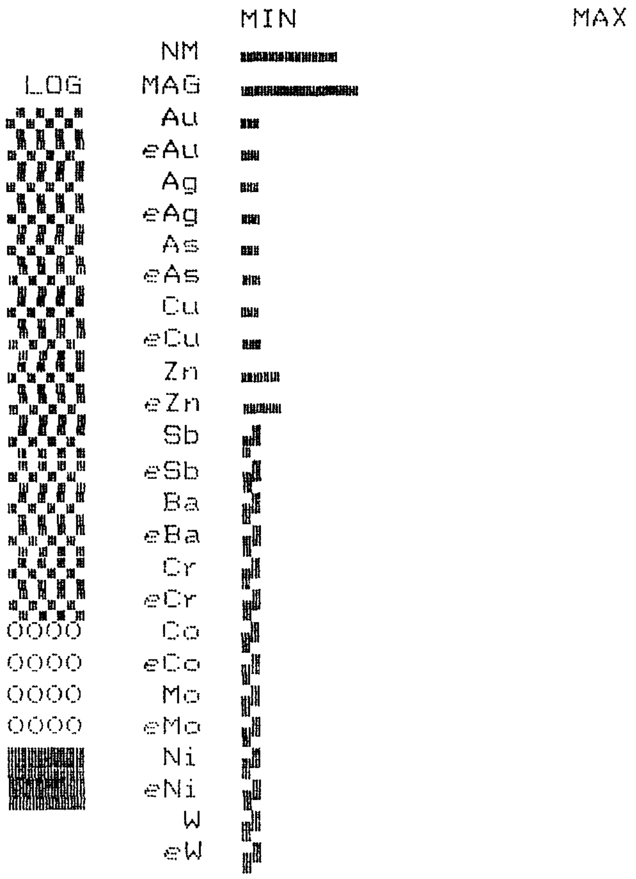
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
160	-17	0

05

FROM	TO	TYPE	SS	BEDROCK
50	57	80	20	57

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
2578	1476	0	0

Au: 5 ng/g	cAu: 73 ng	eAu: 13 pg/g
Ag: .4 ug/g	cAg: 5.8 ug	eAg: 1 ng/g
As: 39 ug/g	cAs: 566 ug	eAs: 101 ng/g
Cu: 206 ug/g	cCu: 2987 ug	eCu: 531 ng/g
Zn: 102 ug/g	cZn: 1479 ug	eZn: 263 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



0/8 ENJCAR

EC-86-045

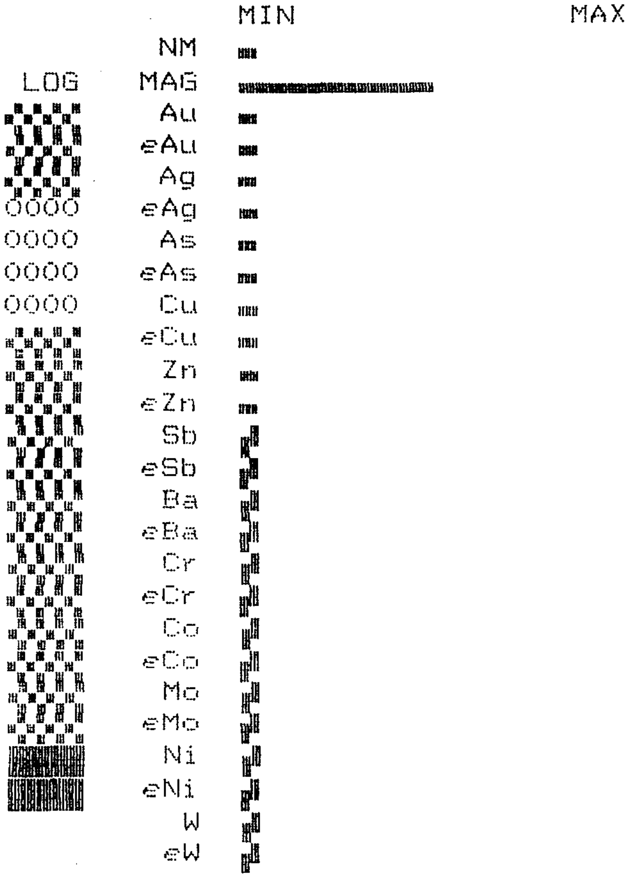
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
160	-14.5	0

01

FROM	TO	TYPE	SS	BEDROCK
23	35	60	10	97

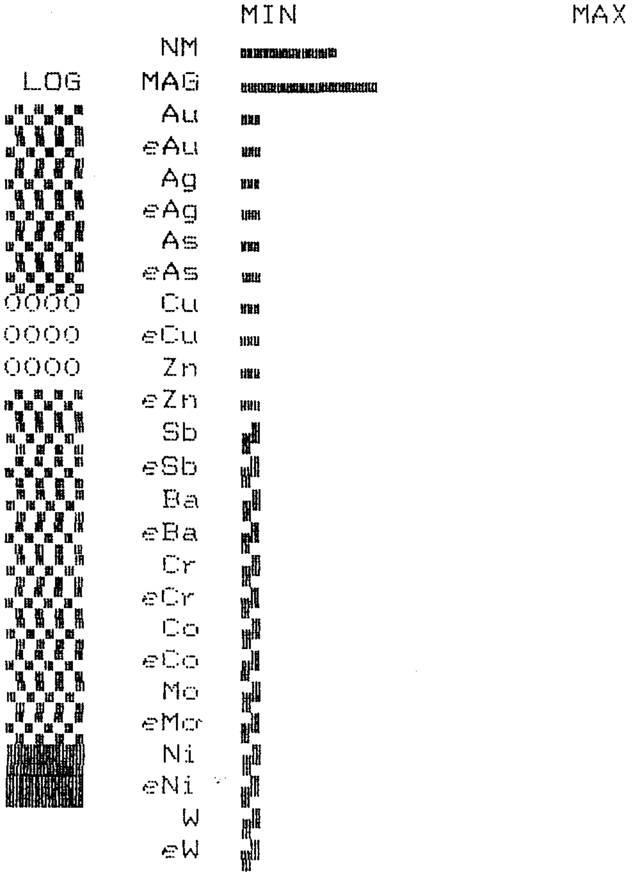
mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
855	2516	0	0

Au: 175 ng/g	cAu: 595 ng	eAu: 150 pg/g
Ag: .05 ug/g	cAg: .2 ug	eAg: 0 ng/g
As: 49 ug/g	cAs: 167 ug	eAs: 42 ng/g
Cu: 172 ug/g	cCu: 585 ug	eCu: 147 ng/g
Zn: 26 ug/g	cZn: 88 ug	eZn: 22 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



O/B ENJCAR

```
                         EC-86-045

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
            160          -14.5           0

                            O2

              FROM     TO    TYPE   SS   BEDROCK
               35      45     80    10      97


        mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
              2685         1730       0       0

Au:  45 ng/g            cAu:  671 ng          eAu:  121 pg/g
Ag:  .05 ug/g           cAg:  .7 ug           eAg:  .1 ng/g
As:  26 ug/g            cAs:  387 ug          eAs:  70 ng/g
Cu:  100 ug/g           cCu:  1490 ug         eCu:  268 ng/g
Zn:  26 ug/g            cZn:  387 ug          eZn:  70 ng/g
Sb:  0 ug/g             cSb:  0 ug            eSb:  0 ng/g
Ba:  0 ug/g             cBa:  0 ug            eBa:  0 ng/g
Cr:  0 ug/g             cCr:  0 ug            eCr:  0 ng/g
Co:  0 ug/g             cCo:  0 ug            eCo:  0 ng/g
Mo:  0 ug/g             cMo:  0 ug            eMo:  0 ng/g
Ni:  0 ug/g             cNi:  0 ug            eNi:  0 ng/g
 W:  0 ug/g              cW:  0 ug             eW:  0 ng/g
```

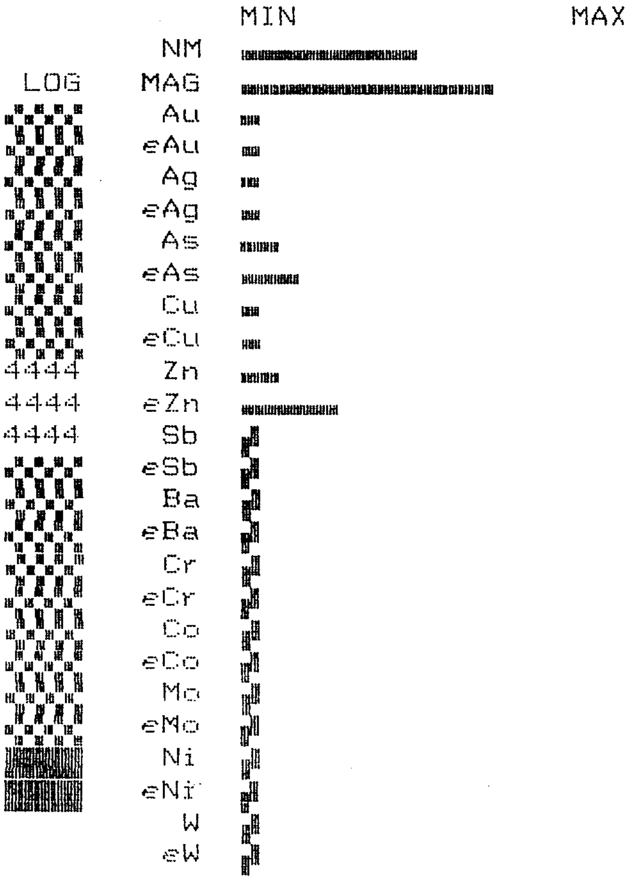


O/B ENJCAR

```
                         EC-86-045

         DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
              160          -14.5               0

                            03

              FROM     TO    TYPE   SS   BEDROCK
               45      55     80    10      97
```

10% PYRITE

```
   mg/kg NON MAG   mg/kg MAG      VG    ASPY
          4918        3186       5.5     150

Au: 50 ng/g          cAu: 1420 ng        eAu: 246 pg/g
Ag: .2 µg/g          cAg: 5.7 µg         eAg: 1 ng/g
As: 72 µg/g          cAs: 2045 µg        eAs: 354 ng/g
Cu: 600 µg/g         cCu: 17040 µg       eCu: 2951 ng/g
Zn: 92 µg/g          cZn: 2613 µg        eZn: 452 ng/g
Sb: 0 µg/g           cSb: 0 µg           eSb: 0 ng/g
Ba: 0 µg/g           cBa: 0 µg           eBa: 0 ng/g
Cr: 0 µg/g           cCr: 0 µg           eCr: 0 ng/g
Co: 0 µg/g           cCo: 0 µg           eCo: 0 ng/g
Mo: 0 µg/g           cMo: 0 µg           eMo: 0 ng/g
Ni: 0 µg/g           cNi: 0 µg           eNi: 0 ng/g
 W: 0 µg/g            cW: 0 µg            eW: 0 ng/g
```



O/B ENJCAR

EC-86-045

DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
100	-14.0	0

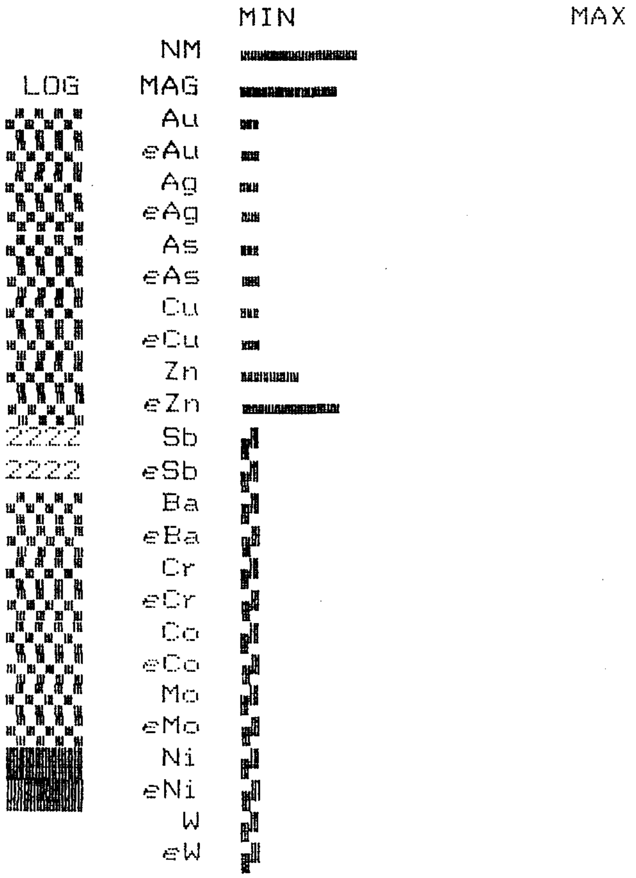
04

FROM	TO	TYPE	SS	BEDROCK
55	60	80	10	97

10% PYRITE

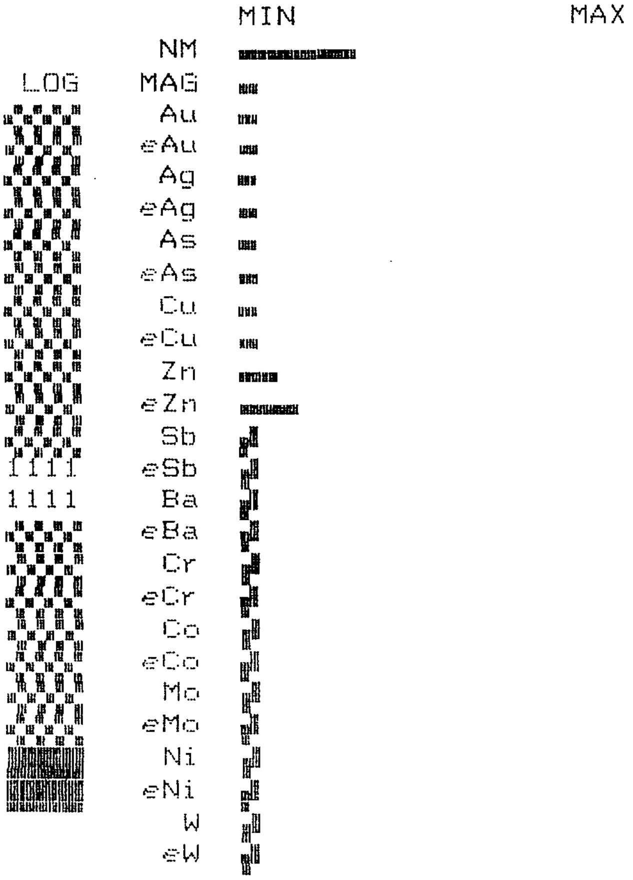
mg/kg NON MAG	mg/kg MAG	VG	ASPY
3082	1403	2.8	100

Au: 1105 ng/g	cAu: 19669 ng	eAu: 3406 pg/g
Ag: .3 μg/g	cAg: 5.3 μg	eAg: .9 ng/g
As: 37 μg/g	cAs: 659 μg	eAs: 114 ng/g
Cu: 240 μg/g	cCu: 4272 μg	eCu: 740 ng/g
Zn: 145 μg/g	cZn: 2581 μg	eZn: 447 ng/g
Sb: 0 μg/g	cSb: 0 μg	eSb: 0 ng/g
Ba: 0 μg/g	cBa: 0 μg	eBa: 0 ng/g
Cr: 0 μg/g	cCr: 0 μg	eCr: 0 ng/g
Co: 0 μg/g	cCo: 0 μg	eCo: 0 ng/g
Mo: 0 μg/g	cMo: 0 μg	eMo: 0 ng/g
Ni: 0 μg/g	cNi: 0 μg	eNi: 0 ng/g
W: 0 μg/g	cW: 0 μg	eW: 0 ng/g



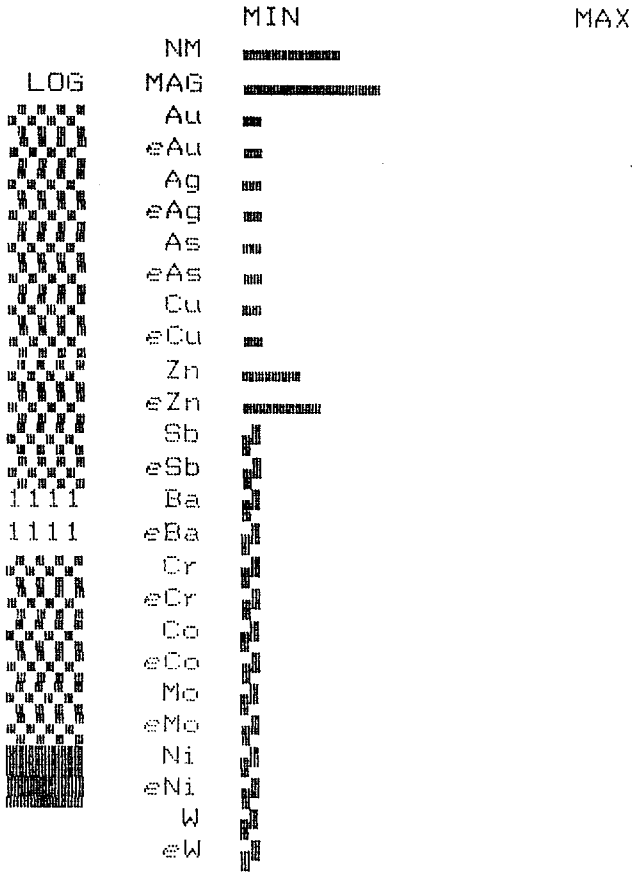
O/B ENJCAR

```
                         EC-86-045

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
            160          -14.5             0

                            05

              FROM      TO    TYPE   SS   BEDROCK
               60       65     60    10      97


        mg/kg NON MAG  mg/kg MAG      VG   MIN#2
              3491          175      1.4     0

 Au:  745 ng/g         cAu:  14826 ng         eAu:  2601 pg/g
 Ag:  .05 ug/g         cAg:  1 ug             eAg:  .2 ng/g
 As:  46 ug/g          cAs:  915 ug           eAs:  161 ng/g
 Cu:  168 ug/g         cCu:  3343 ug          eCu:  587 ng/g
 Zn:  96 ug/g          cZn:  1910 ug          eZn:  335 ng/g
 Sb:  0 ug/g           cSb:  0 ug             eSb:  0 ng/g
 Ba:  0 ug/g           cBa:  0 ug             eBa:  0 ng/g
 Cr:  0 ug/g           cCr:  0 ug             eCr:  0 ng/g
 Co:  0 ug/g           cCo:  0 ug             eCo:  0 ng/g
 Mo:  0 ug/g           cMo:  0 ug             eMo:  0 ng/g
 Ni:  0 ug/g           cNi:  0 ug             eNi:  0 ng/g
  W:  0 ug/g            cW:  0 ug              eW:  0 ng/g
```



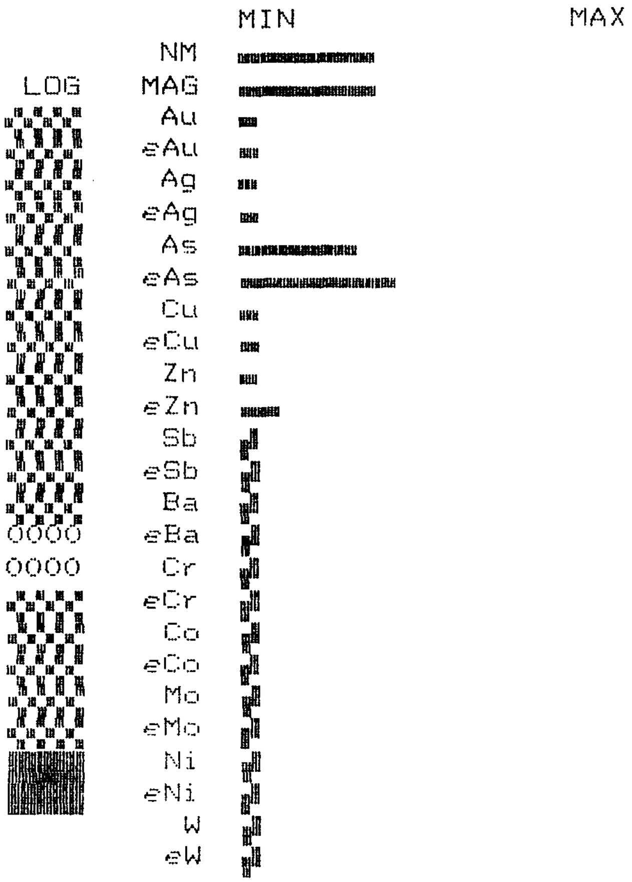
O/B ENJCAR

```
                        EC-86-045

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
            160          -14.8            0

                           06

              FROM     TO   TYPE   SS   BEDROCK
               65      70    60    10     97

        mg/kg NON MAG  mg/kg MAG    VG   MIN#2
             3035         1789      1.4     0

 Au: 160 ng/g        cAu: 2768 ng       eAu: 486 pg/g
 Ag: .5 ug/g         cAg: 8.7 ug        eAg: 1.5 ng/g
 As: 60 ug/g         cAs: 1038 ug       eAs: 182 ng/g
 Cu: 184 ug/g        cCu: 3183 ug       eCu: 558 ng/g
 Zn: 125 ug/g        cZn: 2163 ug       eZn: 379 ng/g
 Sb: 0 ug/g          cSb: 0 ug          eSb: 0 ng/g
 Ba: 0 ug/g          cBa: 0 ug          eBa: 0 ng/g
 Cr: 0 ug/g          cCr: 0 ug          eCr: 0 ng/g
 Co: 0 ug/g          cCo: 0 ug          eCo: 0 ng/g
 Mo: 0 ug/g          cMo: 0 ug          eMo: 0 ng/g
 Ni: 0 ug/g          cNi: 0 ug          eNi: 0 ng/g
  W: 0 ug/g           cW: 0 ug           eW: 0 ng/g
```



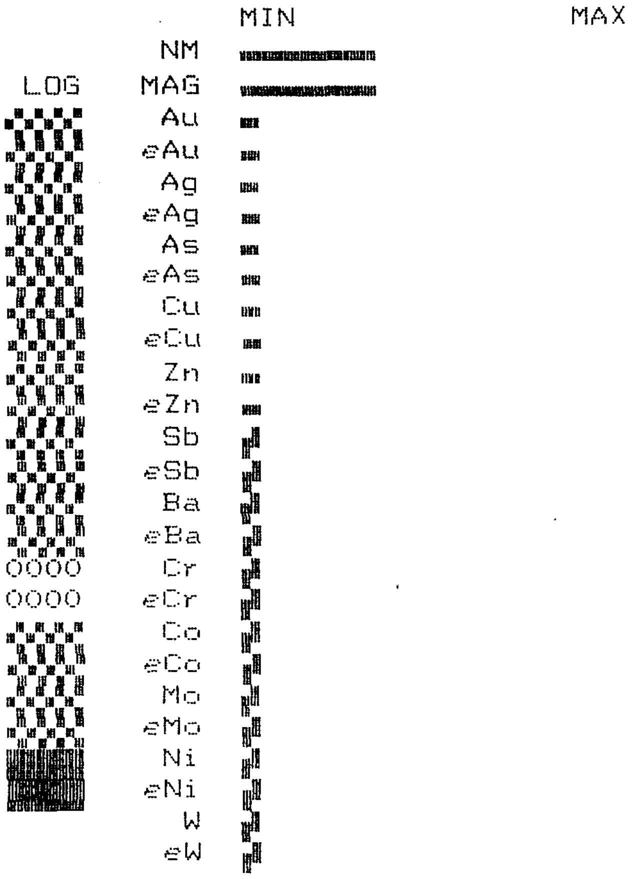
0/B ENJCAR

```
                         EC-86-045

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
            160          -14.5              0

                            07

              FROM     TO    TYPE   SS   BEDROCK
               70      75     80    10      97


        mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
              3721         1672       0       0

Au:  70 ng/g             cAu:  1309 ng          eAu:  260 pg/g
Ag:  .05 ug/g            cAg:  .9 ug            eAg:  .2 ng/g
As:  212 ug/g            cAs:  3964 ug          eAs:  789 ng/g
Cu:  138 ug/g            cCu:  2581 ug          eCu:  514 ng/g
Zn:  64 ug/g             cZn:  1197 ug          eZn:  238 ng/g
Sb:  0 ug/g              cSb:  0 ug             eSb:  0 ng/g
Ba:  0 ug/g              cBa:  0 ug             eBa:  0 ng/g
Cr:  0 ug/g              cCr:  0 ug             eCr:  0 ng/g
Co:  0 ug/g              cCo:  0 ug             eCo:  0 ng/g
Mo:  0 ug/g              cMo:  0 ug             eMo:  0 ng/g
Ni:  0 ug/g              cNi:  0 ug             eNi:  0 ng/g
 W:  0 ug/g               cW:  0 ug              eW:  0 ng/g
```



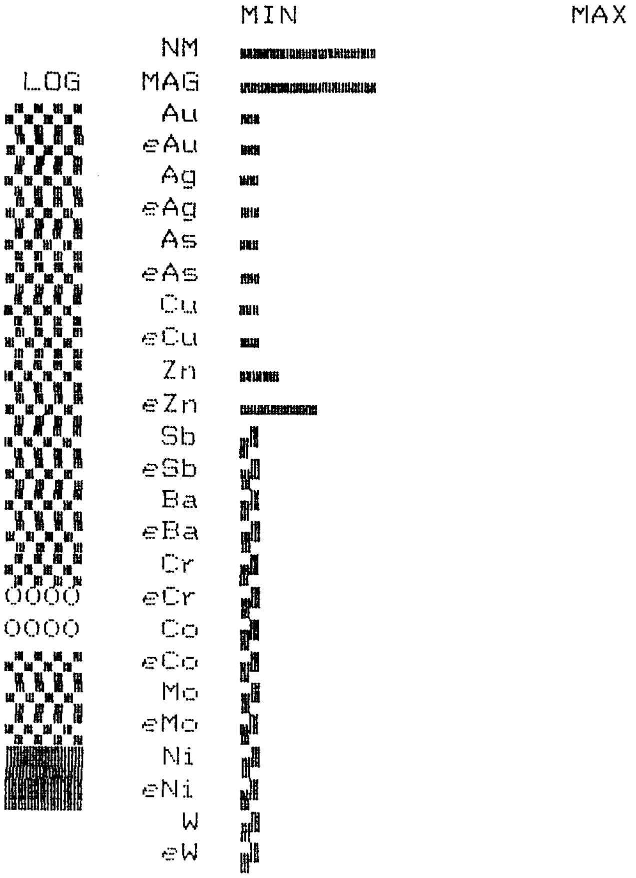
O/B ENJCAR

```
                              EC-86-045

          DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
              160          -14.5             0

                                 08

                  FROM      TO    TYPE   SS   BEDROCK
                   75       80     80    10      97

          mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                3833          1667       0       0

Au: 95 ng/g            cAu: 1967 ng           eAu: 364 pg/g
Ag: .05 ug7g           cAg: 1 ug              eAg: .2 ng7g
As: 31 ug/g            cAs: 642 ug            eAs: 119 ng/g
Cu: 110 ug7g           cCu: 2277 ug           eCu: 422 ng/g
Zn: 48 ug/g            cZn: 994 ug            eZn: 184 ng/g
Sb: 0 ug7g             cSb: 0 ug              eSb: 0 ng/g
Ba: 0 ug/g             cBa: 0 ug              eBa: 0 ng/g
Cr: 0 ug/g             cCr: 0 ug              eCr: 0 ng/g
Co: 0 ug/g             cCo: 0 ug              eCo: 0 ng/g
Mo: 0 ug/g             cMo: 0 ug              eMo: 0 ng/g
Ni: 0 ug/g             cNi: 0 ug              eNi: 0 ng/g
 W: 0 ug/g              cW: 0 ug               eW: 0 ng/g
```



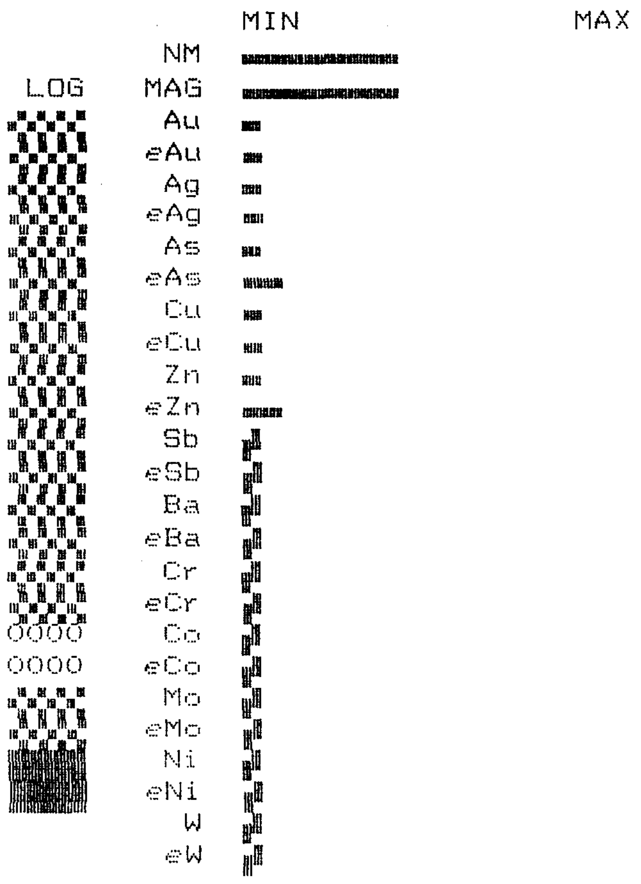
O/B ENJCAR

```
                              EC-86-045

          DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
               160          -14.5            0

                                 09

                    FROM     TO    TYPE   SS   BEDROCK
                     80      85     80    10      97


          mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                 3869        1803       0       0

Au:  30 ng/g               cAu:  618 ng            eAu:  116 pg/g
Ag:  .05 ug/g              cAg:  1 ug              eAg:  .2 ng/g
As:  42 ug/g               cAs:  865 ug            eAs:  162 ng/g
Cu:  130 ug/g              cCu:  2678 ug           eCu:  503 ng/g
Zn:  94 ug/g               cZn:  1936 ug           eZn:  364 ng/g
Sb:  0 ug/g                cSb:  0 ug              eSb:  0 ng/g
Ba:  0 ug/g                cBa:  0 ug              eBa:  0 ng/g
Cr:  0 ug/g                cCr:  0 ug              eCr:  0 ng/g
Co:  0 ug/g                cCo:  0 ug              eCo:  0 ng/g
Mo:  0 ug/g                cMo:  0 ug              eMo:  0 ng/g
Ni:  0 ug/g                cNi:  0 ug              eNi:  0 ng/g
 W:  0 ug/g                 cW:  0 ug               eW:  0 ng/g
```



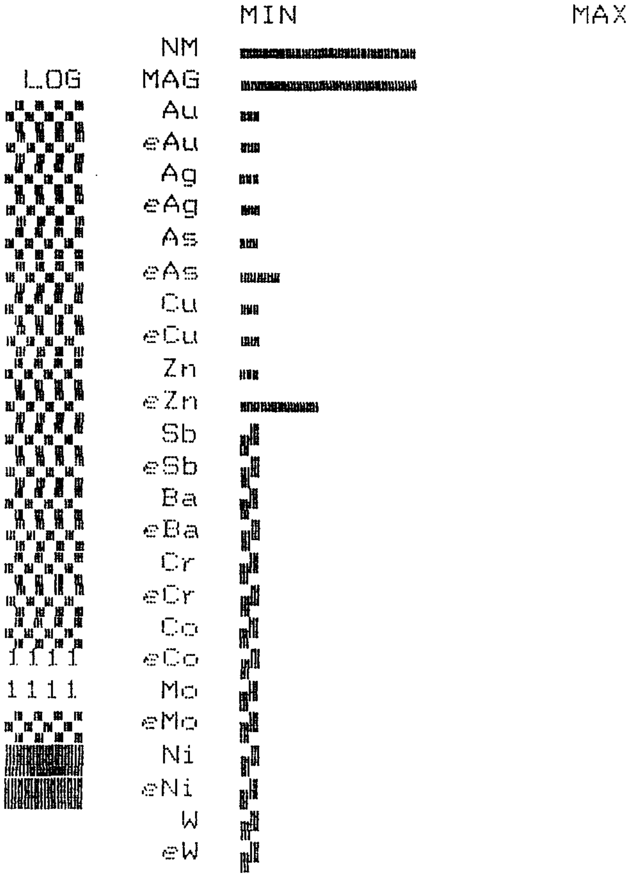
O/B ENJCAR

```
                         EC-86-045

     DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
         160          -14.5            0

                             10

              FROM     TO    TYPE   SS   BEDROCK
               85      90     80    20     97

     mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
          4167          2017        0       0

Au: 770 ng/g          cAu: 19250 ng       eAu: 3208 pg/g
Ag: .2 ug/g           cAg: 5 ug           eAg: .8 ng/g
As: 59 ug/g           cAs: 1475 ug        eAs: 246 ng/g
Cu: 96 ug/g           cCu: 2400 ug        eCu: 400 ng/g
Zn: 57 ug/g           cZn: 1425 ug        eZn: 237 ng/g
Sb: 0 ug/g            cSb: 0 ug           eSb: 0 ng/g
Ba: 0 ug/g            cBa: 0 ug           eBa: 0 ng/g
Cr: 0 ug/g            cCr: 0 ug           eCr: 0 ng/g
Co: 0 ug/g            cCo: 0 ug           eCo: 0 ng/g
Mo: 0 ug/g            cMo: 0 ug           eMo: 0 ng/g
Ni: 0 ug/g            cNi: 0 ug           eNi: 0 ng/g
 W: 0 ug/g             cW: 0 ug            eW: 0 ng/g
```



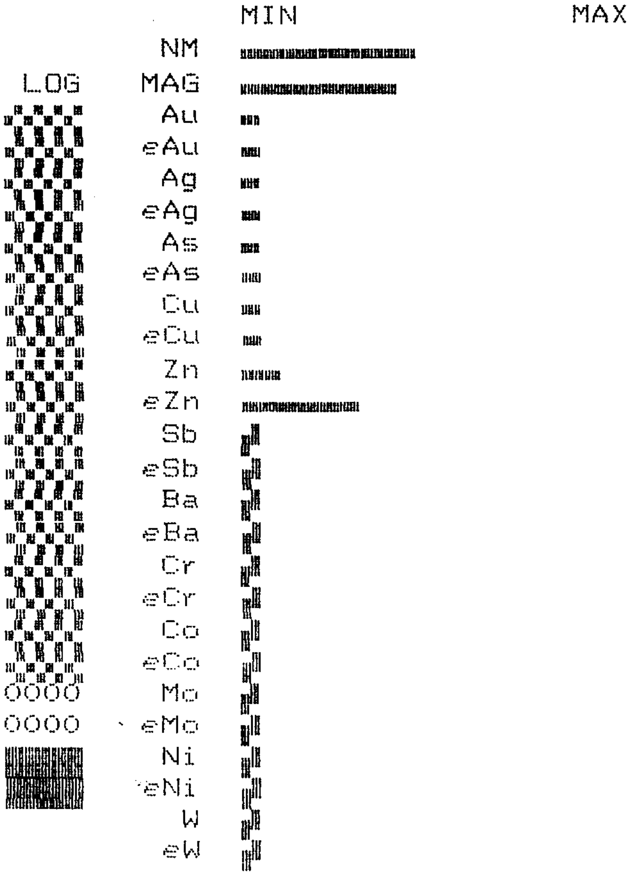
O/B ENJCAR

```
                                  EC-86-045

                   DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                        160          -14.5              0

                                     1 1

                         FROM      TO    TYPE   SS   BEDROCK
                          90       95     80    20      97


                   mg/kg NON MAG   mg/kg MAG      VG   MIN#2
                         4803          2313     1.3       0

        Au:  1110 ng/g          cAu:  33189 ng          eAu:  5332 pg/g
        Ag:  .7 ug/g            cAg:  20.9 ug           eAg:  3.4 ng/g
        As:  50 ug/g            cAs:  1495 ug           eAs:  240 ng/g
        Cu:  485 ug/g           cCu:  14502 ug          eCu:  2330 ng/g
        Zn:  83 ug/g            cZn:  2482 ug           eZn:  399 ng/g
        Sb:  0 ug/g             cSb:  0 ug              eSb:  0 ng/g
        Ba:  0 ug/g             cBa:  0 ug              eBa:  0 ng/g
        Cr:  0 ug/g             cCr:  0 ug              eCr:  0 ng/g
        Co:  0 ug/g             cCo:  0 ug              eCo:  0 ng/g
        Mo:  0 ug/g             cMo:  0 ug              eMo:  0 ng/g
        Ni:  0 ug/g             cNi:  0 ug              eNi:  0 ng/g
         W:  0 ug/g              cW:  0 ug               eW:  0 ng/g
```



0/B ENJCAR

```
                         EC-86-045

DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
    160          -14.8              0

                            12

          FROM      TO    TYPE   SS   BEDROCK
           95       97     80    20      97

mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
     4853          1867       0       0

Au:  115 ng/g          cAu:  1047 ng         eAu:  558 pg/g
Ag:  .4 ug/g           cAg:  3.6 ug          eAg:  1.9 ng/g
As:  35 ug/g           cAs:  319 ug          eAs:  170 ng/g
Cu:  577 ug/g          cCu:  5251 ug         eCu:  2800 ng/g
Zn:  116 ug/g          cZn:  1056 ug         eZn:  563 ng/g
Sb:  0 ug/g            cSb:  0 ug            eSb:  0 ng/g
Ba:  0 ug/g            cBa:  0 ug            eBa:  0 ng/g
Cr:  0 ug/g            cCr:  0 ug            eCr:  0 ng/g
Co:  0 ug/g            cCo:  0 ug            eCo:  0 ng/g
Mo:  0 ug/g            cMo:  0 ug            eMo:  0 ng/g
Ni:  0 ug/g            cNi:  0 ug            eNi:  0 ng/g
 W:  0 ug/g             cW:  0 ug             eW:  0 ng/g
```



O/B ENJCAR

EC-86-046

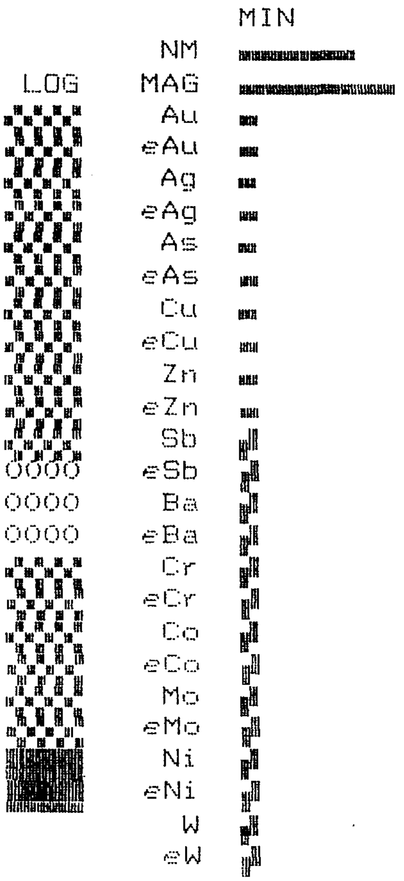
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
0	0	0

01

FROM	TO	TYPE	SS	BEDROCK
45	52	50	10	70

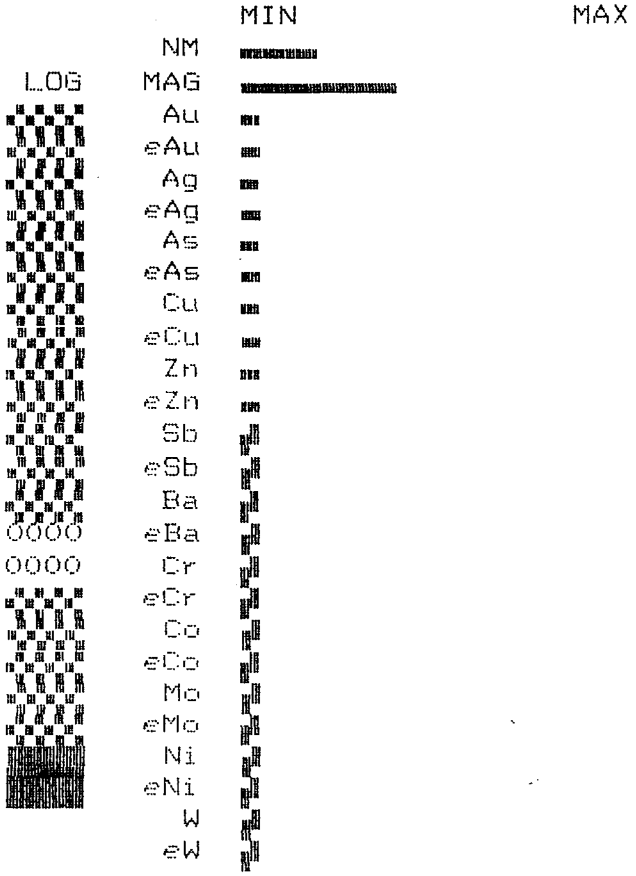
mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
3215	1954	0	0

Au: 30 ng/g	cAu: 528 ng	eAu: 96 pg/g
Ag: .05 ug/g	cAg: .9 ug	eAg: .2 ng/g
As: 43 ug/g	cAs: 757 ug	eAs: 138 ng/g
Cu: 300 ug/g	cCu: 5280 ug	eCu: 964 ng/g
Zn: 48 ug/g	cZn: 845 ug	eZn: 154 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



O/B ENJCAR

```
                         EC-86-046

        DEPARTURE(X)   LATITUDE(Y)   ELEVATION(Z)
                   0             0              0

                            O2

              FROM      TO    TYPE   SS   BEDROCK
               52       54     60    10      70


        mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                2323        1899       0       0

Au:  45 ng/g            cAu:  518 ng         eAu:  105 pg/g
Ag:  .05 µg/g           cAg:  .6 µg          eAg:  .1 ng/g
As:  49 µg/g            cAs:  564 µg         eAs:  114 ng/g
Cu:  460 µg/g           cCu:  5290 µg        eCu:  1069 ng/g
Zn:  40 µg/g            cZn:  460 µg         eZn:  93 ng/g
Sb:  0 µg/g             cSb:  0 µg           eSb:  0 ng/g
Ba:  0 µg/g             cBa:  0 µg           eBa:  0 ng/g
Cr:  0 µg/g             cCr:  0 µg           eCr:  0 ng/g
Co:  0 µg/g             cCo:  0 µg           eCo:  0 ng/g
Mo:  0 µg/g             cMo:  0 µg           eMo:  0 ng/g
Ni:  0 µg/g             cNi:  0 µg           eNi:  0 ng/g
 W:  0 µg/g              cW:  0 µg            eW:  0 ng/g
```



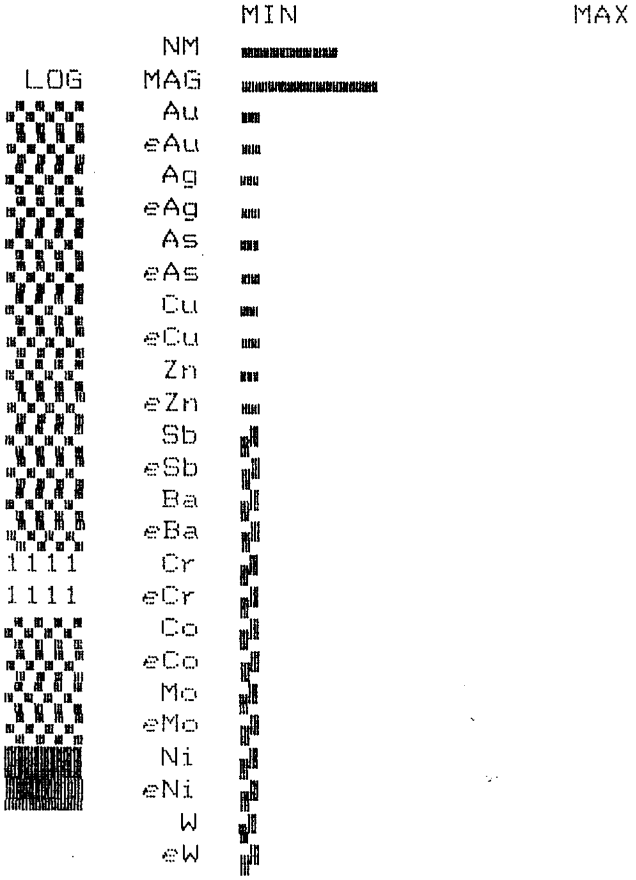
O/B ENJCAR

EC-86-046

```
DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
      0             0             0
```

03

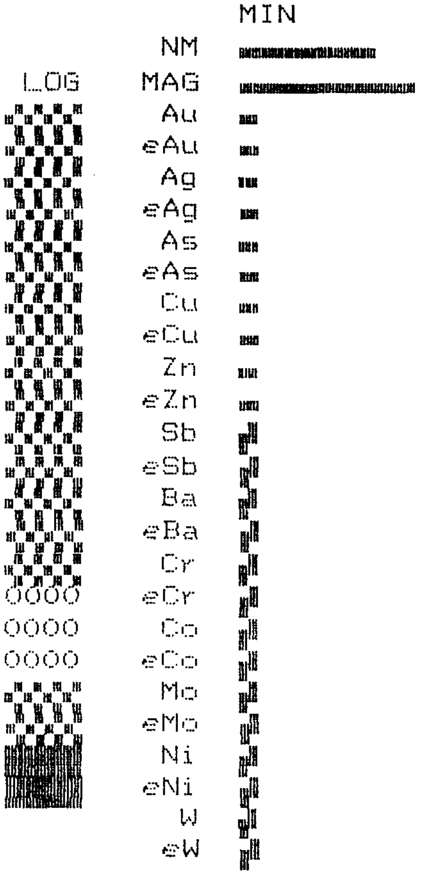
```
FROM      TO    TYPE   SS   BEDROCK
 54       59     40    10      70


mg/kg NON MAG   mg/kg MAG      VG   MIN#2
     2996          1749       1.4     0

Au:  40 ng/g          cAu:  692 ng         eAu:  120 pg/g
Ag:  .4 ug/g          cAg:  6.9 ug         eAg:  1.2 ng/g
As:  59 ug/g          cAs:  1021 ug        eAs:  177 ng/g
Cu:  320 ug/g         cCu:  5536 ug        eCu:  959 ng/g
Zn:  54 ug/g          cZn:  934 ug         eZn:  162 ng/g
Sb:  0 ug/g           cSb:  0 ug           eSb:  0 ng/g
Ba:  0 ug/g           cBa:  0 ug           eBa:  0 ng/g
Cr:  0 ug/g           cCr:  0 ug           eCr:  0 ng/g
Co:  0 ug/g           cCo:  0 ug           eCo:  0 ng/g
Mo:  0 ug/g           cMo:  0 ug           eMo:  0 ng/g
Ni:  0 ug/g           cNi:  0 ug           eNi:  0 ng/g
 W:  0 ug/g            cW:  0 ug            eW:  0 ng/g
```



O/B ENJCAR

EC-86-046

```
DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
          0            0              0

                     04

         FROM     TO    TYPE   SS   BEDROCK
          59      65     80    20      70


mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
       3807         2222       0       0

Au:  120 ng/g          cAu:  2364 ng         eAu:  457 pg/g
Ag:  .05 ug/g          cAg:  1 ug            eAg:  .2 ng/g
As:  48 ug/g           cAs:  946 ug          eAs:  183 ng/g
Cu:  115 ug/g          cCu:  2266 ug         eCu:  438 ng/g
Zn:  42 ug/g           cZn:  827 ug          eZn:  160 ng/g
Sb:  0 ug/g            cSb:  0 ug            eSb:  0 ng/g
Ba:  0 ug/g            cBa:  0 ug            eBa:  0 ng/g
Cr:  0 ug/g            cCr:  0 ug            eCr:  0 ng/g
Co:  0 ug/g            cCo:  0 ug            eCo:  0 ng/g
Mo:  0 ug/g            cMo:  0 ug            eMo:  0 ng/g
Ni:  0 ug/g            cNi:  0 ug            eNi:  0 ng/g
 W:  0 ug/g             cW:  0 ug             eW:  0 ng/g
```



O/B ENJCAR

EC-86-046

DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
0	0	0

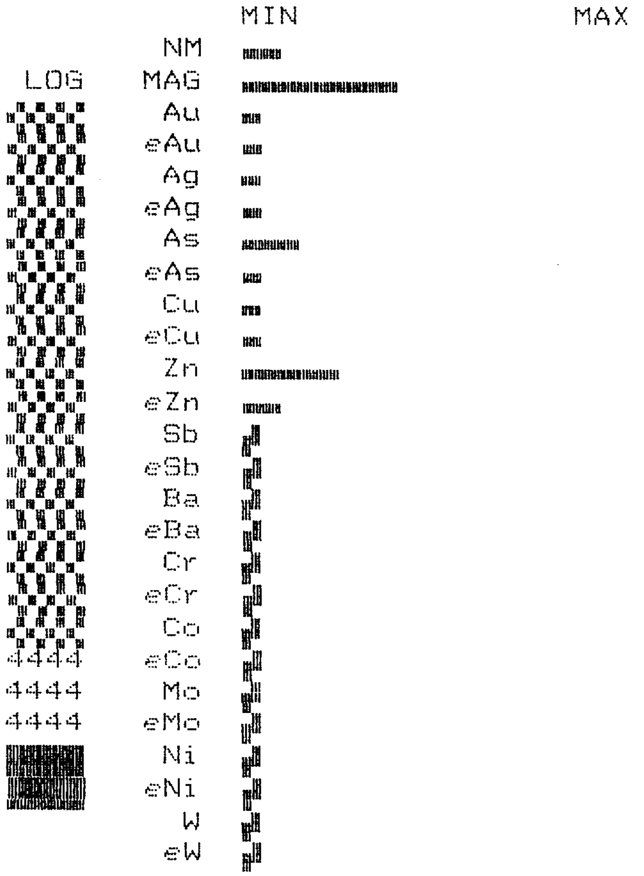
05

FROM	TO	TYPE	SS	BEDROCK
65	70	80	20	70

95% PYRITE

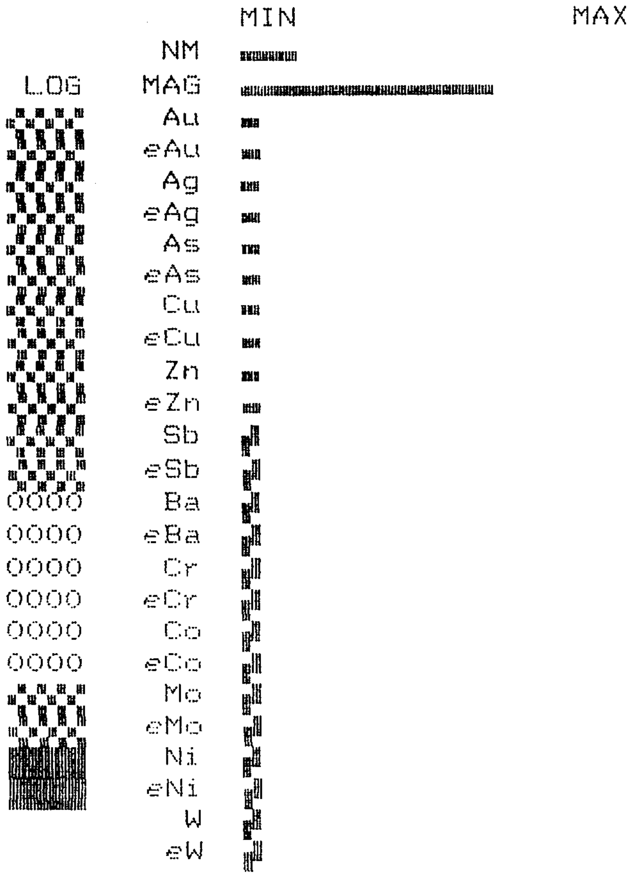
mg/kg NON MAG	mg/kg MAG	VG	ASPY
1176	1961	6.3	100

Au: 35 ng/g	cAu: 210 ng	eAu: 41 pg/g
Ag: 1.2 ug/g	cAg: 7.2 ug	eAg: 1.4 ng/g
As: 98 ug/g	cAs: 588 ug	eAs: 115 ng/g
Cu: 577 ug/g	cCu: 3462 ug	eCu: 679 ng/g
Zn: 200 ug/g	cZn: 1200 ug	eZn: 235 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



O/B ENJCAR

```
                         EC-86-047

      DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
          148            11             0

                            01

              FROM     TO    TYPE   SS   BEDROCK
               25      35     60    10      38


      mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
          2009           3014       0       0

Au: 25 ng/g              cAu: 275 ng           eAu: 50 pg/g
Ag: .05 ug/g             cAg: .6 ug            eAg: .1 ng/g
As: 39 ug/g              cAs: 429 ug           eAs: 78 ng/g
Cu: 94 ug/g              cCu: 1034 ug          eCu: 189 ng/g
Zn: 30 ug/g              cZn: 330 ug           eZn: 60 ng/g
Sb: 0 ug/g               cSb: 0 ug             eSb: 0 ng/g
Ba: 0 ug/g               cBa: 0 ug             eBa: 0 ng/g
Cr: 0 ug/g               cCr: 0 ug             eCr: 0 ng/g
Co: 0 ug/g               cCo: 0 ug             eCo: 0 ng/g
Mo: 0 ug/g               cMo: 0 ug             eMo: 0 ng/g
Ni: 0 ug/g               cNi: 0 ug             eNi: 0 ng/g
 W: 0 ug/g                cW: 0 ug              eW: 0 ng/g
```



0/B ENJCAR

EC-86-047

DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
148	11	0

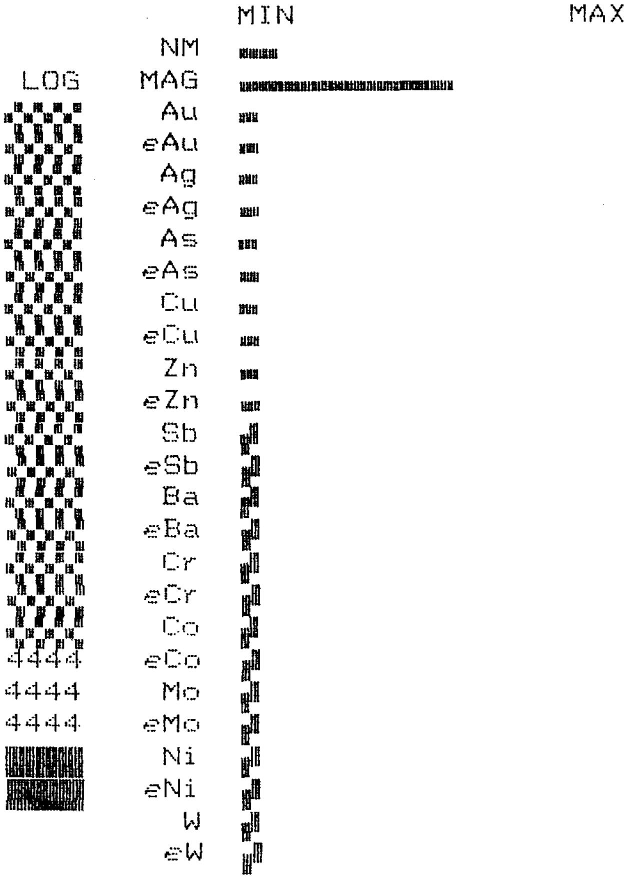
02

FROM	TO	TYPE	SS	BEDROCK
35	38	80	20	38

2% PYRITE

mg/kg NON MAG	mg/kg MAG	VG	ASPY
1053	2754	5.6	750

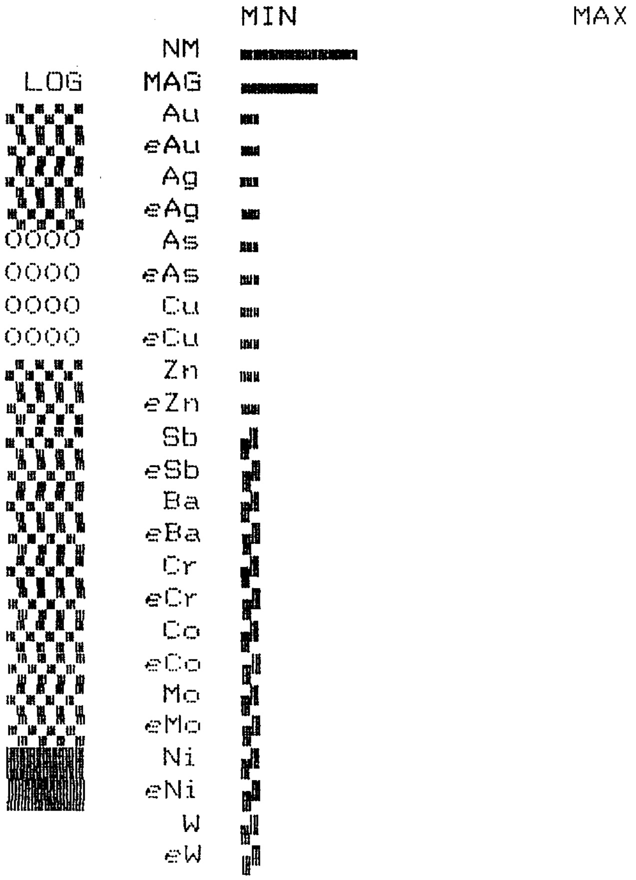
Au: 60 ng/g	cAu: 360 ng	eAu: 63 pg/g
Ag: .3 µg/g	cAg: 1.8 µg	eAg: .3 ng/g
As: 32 µg/g	cAs: 192 µg	eAs: 34 ng/g
Cu: 170 µg/g	cCu: 1020 µg	eCu: 179 ng/g
Zn: 24 µg/g	cZn: 144 µg	eZn: 25 ng/g
Sb: 0 µg/g	cSb: 0 µg	eSb: 0 ng/g
Ba: 0 µg/g	cBa: 0 µg	eBa: 0 ng/g
Cr: 0 µg/g	cCr: 0 µg	eCr: 0 ng/g
Co: 0 µg/g	cCo: 0 µg	eCo: 0 ng/g
Mo: 0 µg/g	cMo: 0 µg	eMo: 0 ng/g
Ni: 0 µg/g	cNi: 0 µg	eNi: 0 ng/g
W: 0 µg/g	cW: 0 µg	eW: 0 ng/g



0/B ENJCAR

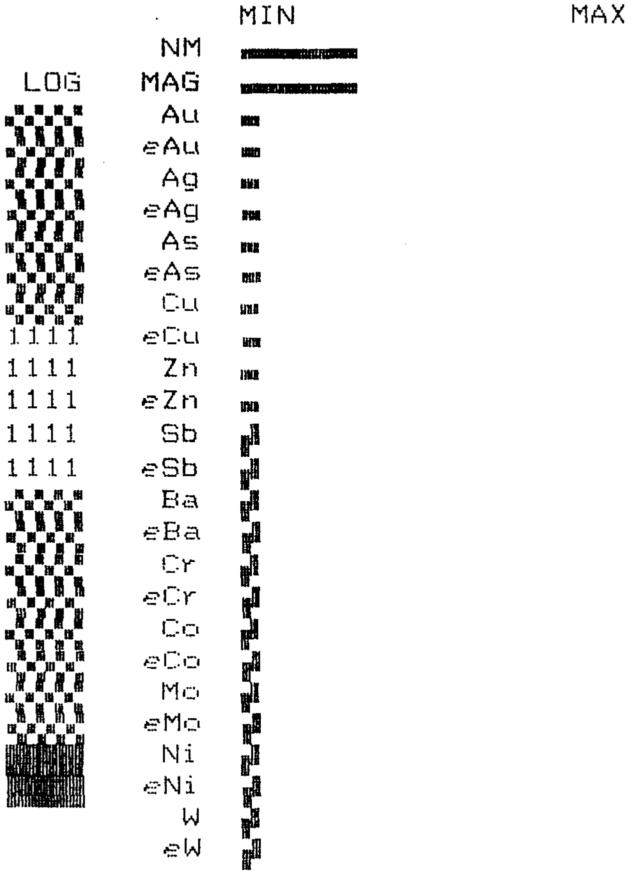
EC-86-087

```
DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
      0            0              0

                 01

   FROM      TO    TYPE   SS   BEDROCK
    15       25     80    10      58


mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
      3360          998        0       0

Au: 15 ng/g          cAu: 210 ng          eAu: 50 pg/g
Ag: .05 µg7g         cAg: .7 µg           eAg: .2 ng/g
As: 19 µg/g          cAs: 266 µg          eAs: 64 ng/g
Cu: 72 µg/g          cCu: 1009 µg         eCu: 242 ng7g
Zn: 20 µg/g          cZn: 280 µg          eZn: 67 ng7g
Sb: 0 µg7g           cSb: 0 µg            eSb: 0 ng7g
Ba: 0 µg/g           cBa: 0 µg            eBa: 0 ng/g
Cr: 0 µg/g           cCr: 0 µg            eCr: 0 ng/g
Co: 0 µg/g           cCo: 0 µg            eCo: 0 ng/g
Mo: 0 µg/g           cMo: 0 µg            eMo: 0 ng/g
Ni: 0 µg/g           cNi: 0 µg            eNi: 0 ng/g
 W: 0 µg/g            cW: 0 µg             eW: 0 ng/g
```



0/8 ENJCAR

```
                              EC-86-087

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
              0             0              0

                                 O2

                 FROM     TO    TYPE   SS   BEDROCK
                  25      35     80    10      58

                       30% HEM  5% PY  1/4% ASPY

        mg/kg NON MAG   mg/kg MAG      VG   MIN#2
            3558           1523       1.4     0

  Au:  20 ng/g             cAu:  409 ng            eAu:  71 pg/g
  Ag:  .3 ug/g             cAg:  6.1 ug            eAg:  1.1 ng/g
  As:  3 ug/g              cAs:  61 ug             eAs:  11 ng/g
  Cu:  48 ug/g             cCu:  983 ug            eCu:  171 ng/g
  Zn:  24 ug/g             cZn:  491 ug            eZn:  85 ng/g
  Sb:  0 ug/g              cSb:  0 ug              eSb:  0 ng/g
  Ba:  0 ug/g              cBa:  0 ug              eBa:  0 ng/g
  Cr:  0 ug/g              cCr:  0 ug              eCr:  0 ng/g
  Co:  0 ug/g              cCo:  0 ug              eCo:  0 ng/g
  Mo:  0 ug/g              cMo:  0 ug              eMo:  0 ng/g
  Ni:  0 ug/g              cNi:  0 ug              eNi:  0 ng/g
   W:  0 ug/g               cW:  0 ug               eW:  0 ng/g
```

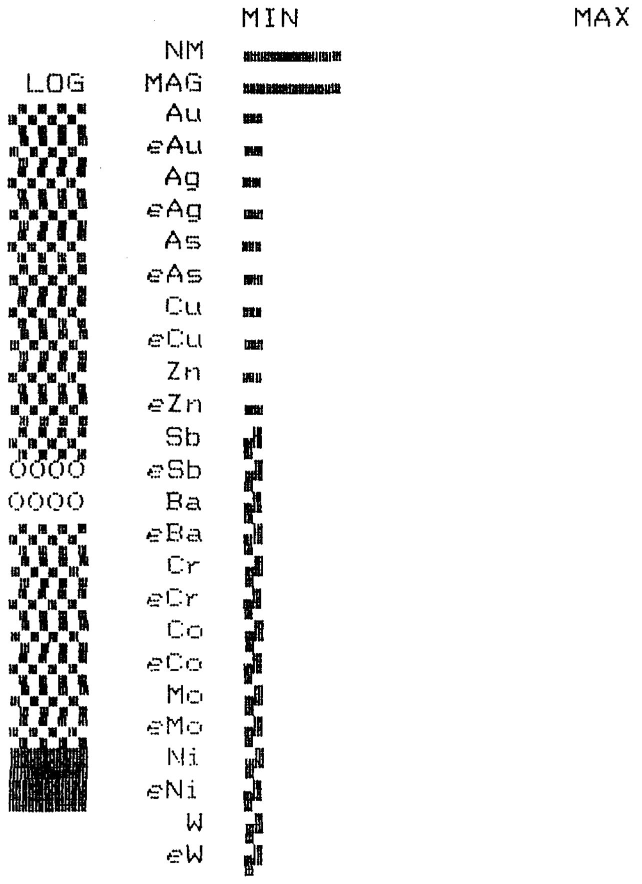


O/B ENJCAR

```
                              EC-86-087

          DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                 0            0              0

                                  03

                   FROM     TO    TYPE   SS   BEDROCK
                    35      40     80    10      58
```

SANDY 2% PY 30% HEM

```
          mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
              2781           1357       0       0

  Au: 405 ng/g         cAu: 6310 ng        eAu: 1126 pg/g
  Ag: .2 μg/g          cAg: 3.1 μg         eAg: .6 ng/g
  As: 4 μg/g           cAs: 62 μg          eAs: 11 ng/g
  Cu: 58 μg/g          cCu: 904 μg         eCu: 161 ng/g
  Zn: 22 μg/g          cZn: 343 μg         eZn: 61 ng/g
  Sb: 0 μg/g           cSb: 0 μg           eSb: 0 ng/g
  Ba: 0 μg/g           cBa: 0 μg           eBa: 0 ng/g
  Cr: 0 μg/g           cCr: 0 μg           eCr: 0 ng/g
  Co: 0 μg/g           cCo: 0 μg           eCo: 0 ng/g
  Mo: 0 μg/g           cMo: 0 μg           eMo: 0 ng/g
  Ni: 0 μg/g           cNi: 0 μg           eNi: 0 ng/g
   W: 0 μg/g            cW: 0 μg            eW: 0 ng/g
```

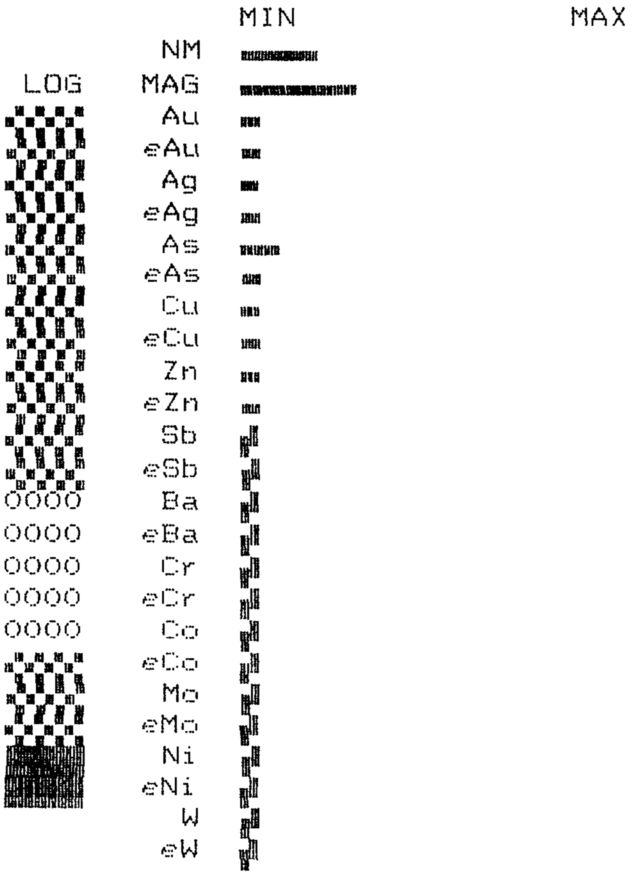


O/B ENJCAR

```
                         EC-86-087

     DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
           0            0             0

                            04

            FROM     TO    TYPE   SS   BEDROCK
             40      50     80    10      58
```

5% PY 35% HEM TR MARC

```
   mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
         2354          1419       0       0

Au: 420 ng/g        cAu: 5288 ng       eAu: 989 pg/g
Ag: .4 ug/g         cAg: 5 ug          eAg: .9 ng/g
As: 67 ug/g         cAs: 844 ug        eAs: 158 ng/g
Cu: 192 ug/g        cCu: 2417 ug       eCu: 452 ng/g
Zn: 48 ug/g         cZn: 604 ug        eZn: 113 ng/g
Sb: 0 ug/g          cSb: 0 ug          eSb: 0 ng/g
Ba: 0 ug/g          cBa: 0 ug          eBa: 0 ng/g
Cr: 0 ug/g          cCr: 0 ug          eCr: 0 ng/g
Co: 0 ug/g          cCo: 0 ug          eCo: 0 ng/g
Mo: 0 ug/g          cMo: 0 ug          eMo: 0 ng/g
Ni: 0 ug/g          cNi: 0 ug          eNi: 0 ng/g
 W: 0 ug/g           cW: 0 ug           eW: 0 ng/g
```

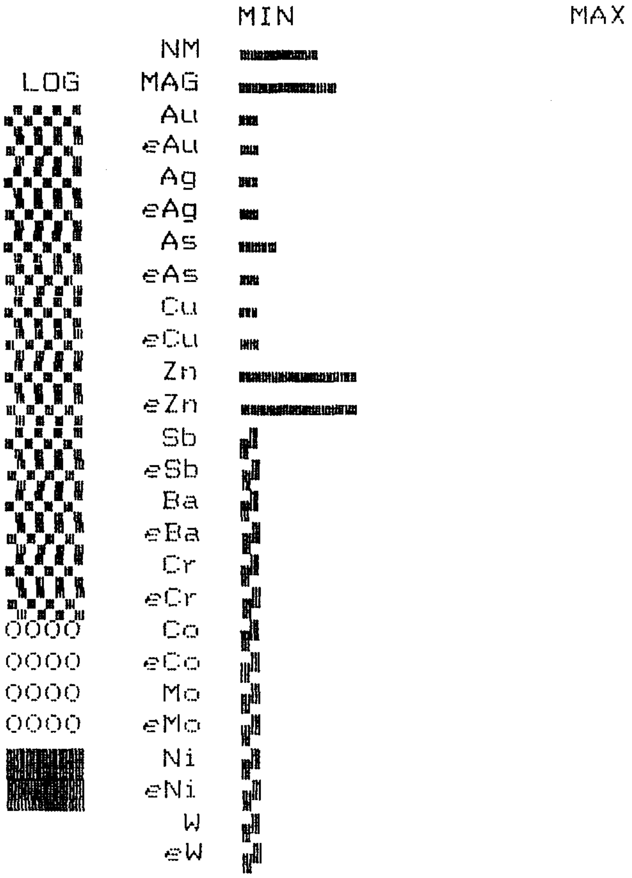


0/8 ENJCAR

```
                    EC-86-087

     DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
          0             0              0

                       05

          FROM     TO    TYPE   SS   BEDROCK
           50      58     80    20      58
```

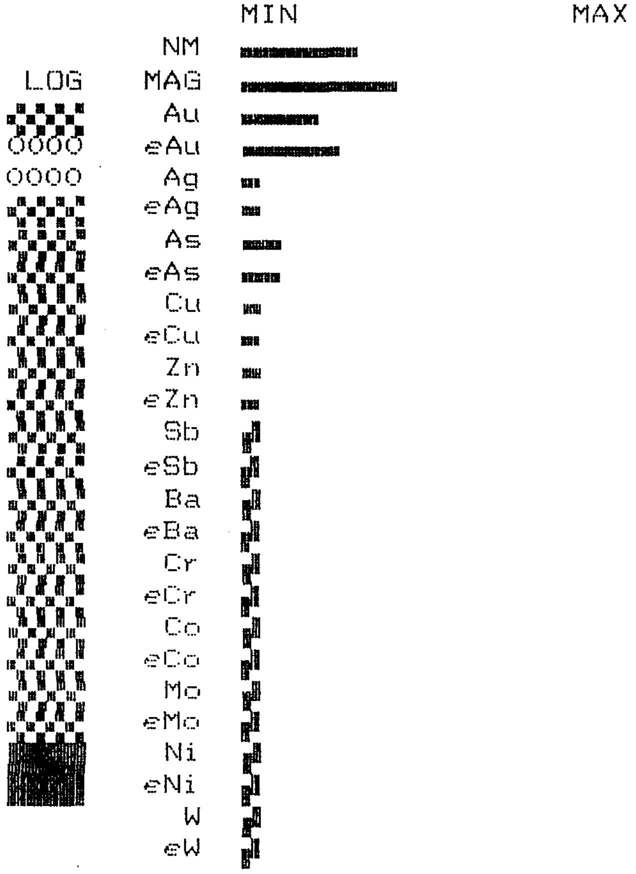
SANDY

```
     mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
        2327            1374        0       0

Au: 620 ng/g        cAu: 5983 ng       eAu: 1443 pg/g
Ag: .9 ug/g         cAg: 8.7 ug        eAg: 2.1 ng/g
As: 83 ug/g         cAs: 801 ug        eAs: 193 ng/g
Cu: 320 ug/g        cCu: 3088 ug       eCu: 745 ng/g
Zn: 240 ug/g        cZn: 2316 ug       eZn: 558 ng/g
Sb: 0 ug/g          cSb: 0 ug          eSb: 0 ng/g
Ba: 0 ug/g          cBa: 0 ug          eBa: 0 ng/g
Cr: 0 ug/g          cCr: 0 ug          eCr: 0 ng/g
Co: 0 ug/g          cCo: 0 ug          eCo: 0 ng/g
Mo: 0 ug/g          cMo: 0 ug          eMo: 0 ng/g
Ni: 0 ug/g          cNi: 0 ug          eNi: 0 ng/g
 W: 0 ug/g           cW: 0 ug           eW: 0 ng/g
```



O/B ENJCAR

```
                    EC-86-088

   DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
        35            1             0

                       O1

          FROM     TO    TYPE   SS   BEDROCK
            9      12     60    10      63


   mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
         3194         2003       0       0

Au: 4500 ng/g       cAu: 82260 ng       eAu: 14375 pg/g
Ag: .05 µg/g        cAg: .9 µg          eAg: .2 ng/g
As: 82 µg/g         cAs: 1499 µg        eAs: 262 ng/g
Cu: 136 µg/g        cCu: 2486 µg        eCu: 434 ng/g
Zn: 40 µg/g         cZn: 731 µg         eZn: 128 ng/g
Sb: 0 µg/g          cSb: 0 µg           eSb: 0 ng/g
Ba: 0 µg/g          cBa: 0 µg           eBa: 0 ng/g
Cr: 0 µg/g          cCr: 0 µg           eCr: 0 ng/g
Co: 0 µg/g          cCo: 0 µg           eCo: 0 ng/g
Mo: 0 µg/g          cMo: 0 µg           eMo: 0 ng/g
Ni: 0 µg/g          cNi: 0 µg           eNi: 0 ng/g
 W: 0 µg/g           cW: 0 µg            eW: 0 ng/g
```



0/B ENJCAR

EC-86-088

DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
35	1	0

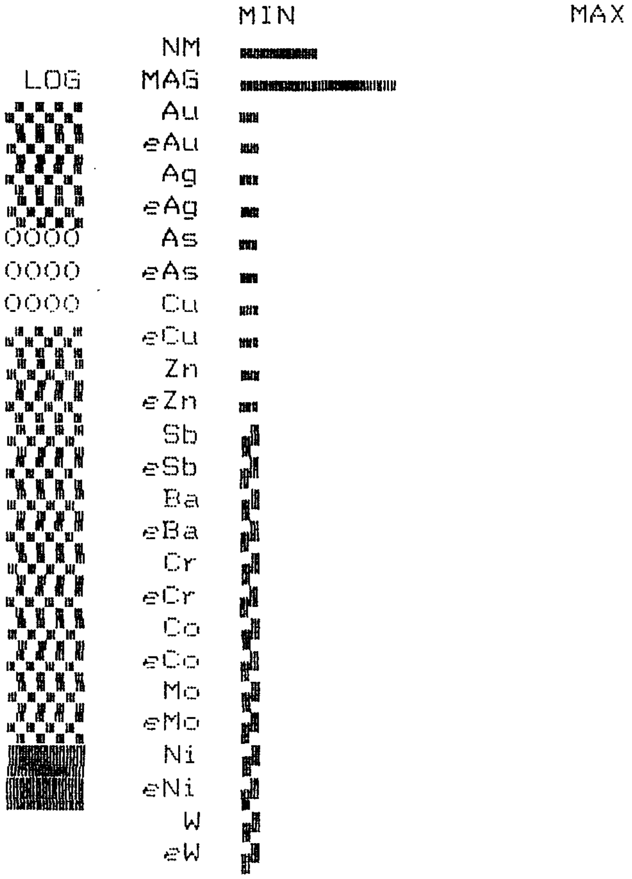
02

FROM	TO	TYPE	SS	BEDROCK
17	25	80	10	63

SANDY GRAVELLY TILL

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
2339	2064	0	0

Au: 1385 ng/g	cAu: 20484 ng	eAu: 3240 pg/g
Ag: .05 ug/g	cAg: .7 ug	eAg: .1 ng/g
As: 38 ug/g	cAs: 562 ug	eAs: 89 ng/g
Cu: 200 ug/g	cCu: 2958 ug	eCu: 468 ng/g
Zn: 45 ug/g	cZn: 666 ug	eZn: 105 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



0/B ENJCAR

EC-86-088

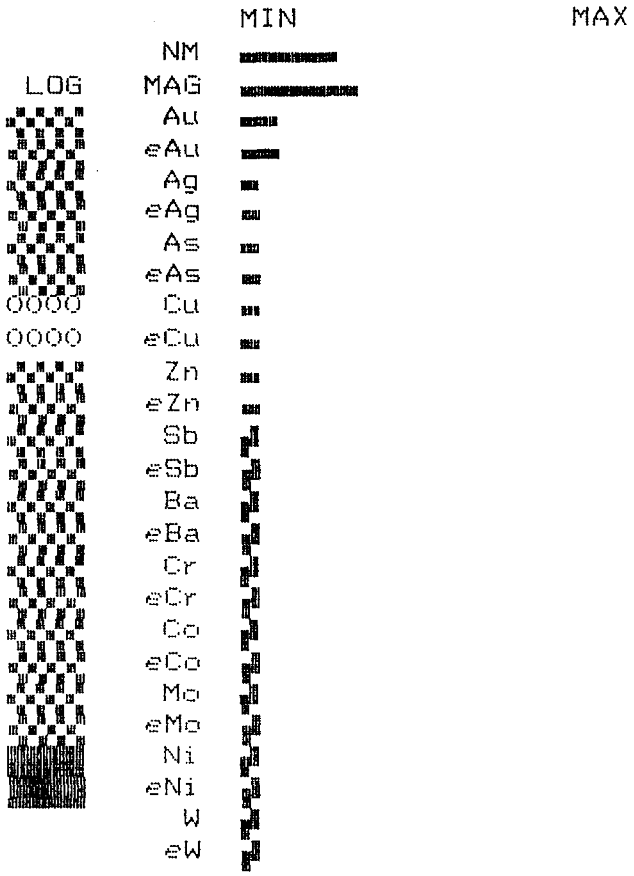
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
35	1	0

03

FROM	TO	TYPE	SS	BEDROCK
25	27	80	10	63

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
2821	1546	0	0

Au: 2530 ng/g	cAu: 40581 ng	eAu: 7138 pg/g
Ag: .4 ug/g	cAg: 6.4 ug	eAg: 1.1 ng/g
As: 7 ug/g	cAs: 112 ug	eAs: 20 ng/g
Cu: 156 ug/g	cCu: 2502 ug	eCu: 440 ng/g
Zn: 52 ug/g	cZn: 834 ug	eZn: 147 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g

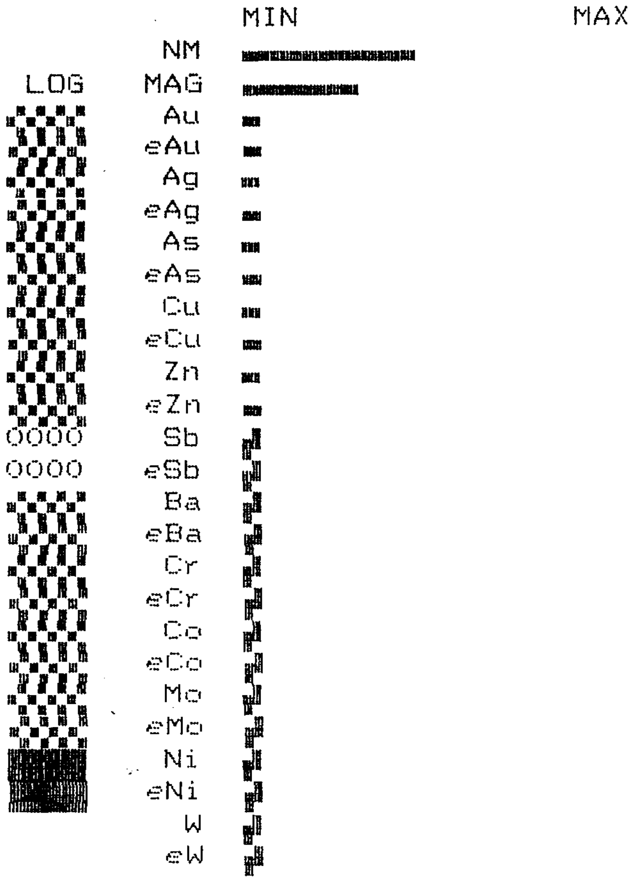


EC-86-088

```
DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
    35             1             0
```

04

```
FROM      TO    TYPE   SS   BEDROCK
 37       40     80    10      63


mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
   4900           1569        0       0

Au:  2.5 ng/g        cAu:  83 ng         eAu:  12 pg/g
Ag:  .05 ug/g        cAg:  1.7 ug        eAg:  .2 ng/g
As:  7 ug/g          cAs:  231 ug        eAs:  34 ng/g
Cu:  78 ug7g         cCu:  2574 ug       eCu:  382 ng7g
Zn:  20 ug/g         cZn:  660 ug        eZn:  98 ng7g
Sb:  0 ug7g          cSb:  0 ug          eSb:  0 ng/g
Ba:  0 ug/g          cBa:  0 ug          eBa:  0 ng/g
Cr:  0 ug/g          cCr:  0 ug          eCr:  0 ng/g
Co:  0 ug/g          cCo:  0 ug          eCo:  0 ng/g
Mo:  0 ug/g          cMo:  0 ug          eMo:  0 ng/g
Ni:  0 ug/g          cNi:  0 ug          eNi:  0 ng/g
 W:  0 ug/g           cW:  0 ug           eW:  0 ng/g
```



O/B ENJCAR

EC-86-088

DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
35	1	0

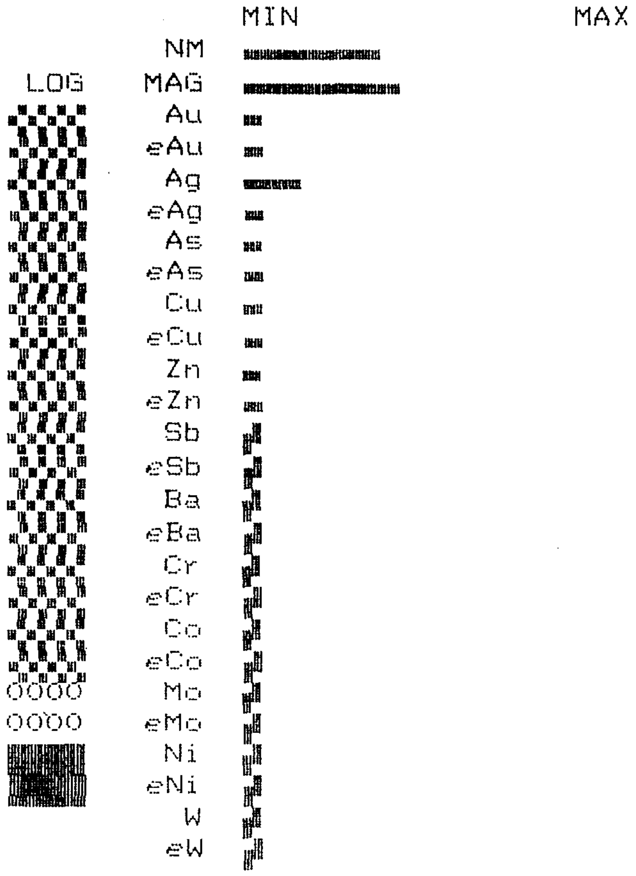
05

FROM	TO	TYPE	SS	BEDROCK
60	63	80	20	63

5% PY 50% HEM 1/4% ASPY

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
3569	1903	0	0

Au: 1285 ng/g	cAu: 24389 ng	eAu: 4587 pg/g
Ag: 3.5 μg/g	cAg: 66.4 μg	eAg: 12.5 ng/g
As: 14 μg/g	cAs: 266 μg	eAs: 50 ng/g
Cu: 300 μg/g	cCu: 5694 μg	eCu: 1071 ng/g
Zn: 40 μg/g	cZn: 759 μg	eZn: 143 ng/g
Sb: 0 μg/g	cSb: 0 μg	eSb: 0 ng/g
Ba: 0 μg/g	cBa: 0 μg	eBa: 0 ng/g
Cr: 0 μg/g	cCr: 0 μg	eCr: 0 ng/g
Co: 0 μg/g	cCo: 0 μg	eCo: 0 ng/g
Mo: 0 μg/g	cMo: 0 μg	eMo: 0 ng/g
Ni: 0 μg/g	cNi: 0 μg	eNi: 0 ng/g
W: 0 μg/g	cW: 0 μg	eW: 0 ng/g



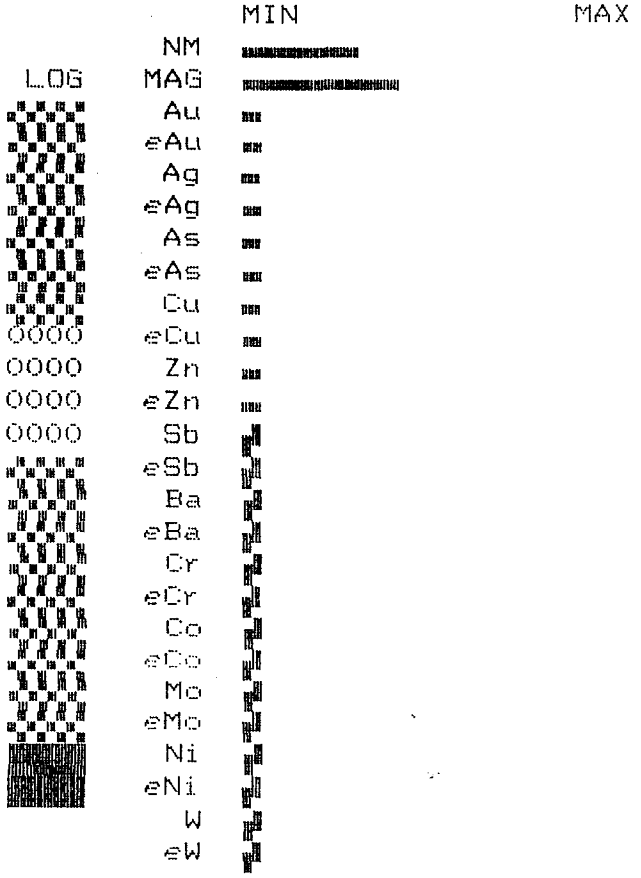
O/B ENJCAR

EC-86-089

```
DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
     33           -.75            0
```

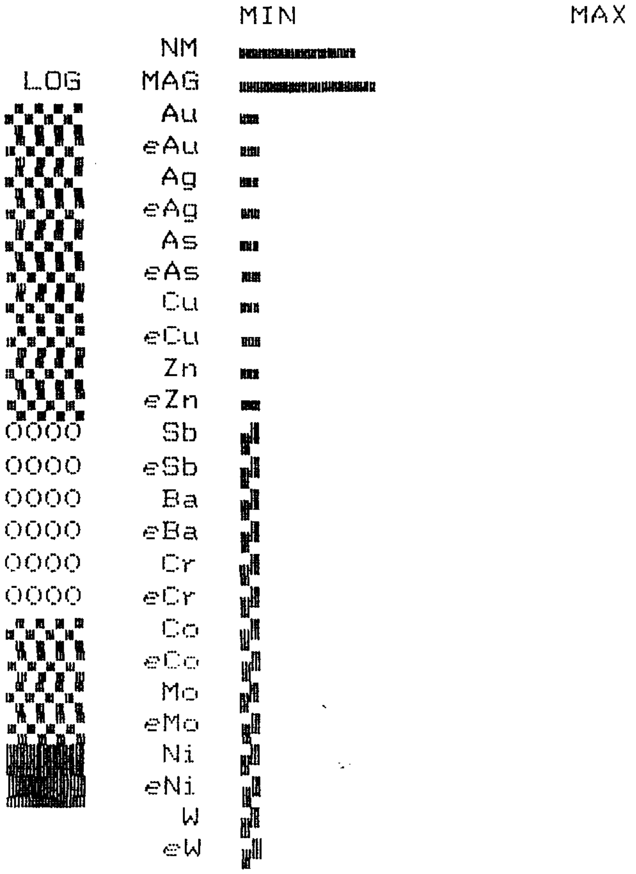
O1

```
FROM     TO    TYPE   SS   BEDROCK
 25      35     60    10      62


mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
       3518         1938       0       0

Au:  2.5 ng/g        cAu:  55 ng          eAu:  9 pg/g
Ag:  .05 ug/g        cAg:  1.1 ug         eAg:  .2 ng/g
As:  23 ug/g         cAs:  505 ug         eAs:  81 ng/g
Cu:  110 ug/g        cCu:  2415 ug        eCu:  387 ng/g
Zn:  44 ug/g         cZn:  966 ug         eZn:  155 ng/g
Sb:  0 ug/g          cSb:  0 ug           eSb:  0 ng/g
Ba:  0 ug/g          cBa:  0 ug           eBa:  0 ng/g
Cr:  0 ug/g          cCr:  0 ug           eCr:  0 ng/g
Co:  0 ug/g          cCo:  0 ug           eCo:  0 ng/g
Mo:  0 ug/g          cMo:  0 ug           eMo:  0 ng/g
Ni:  0 ug/g          cNi:  0 ug           eNi:  0 ng/g
 W:  0 ug/g           cW:  0 ug            eW:  0 ng/g
```



O/B ENJCAR

```
                          EC-86-089

      DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
           33           -.75              0

                             02

              FROM      TO     TYPE   SS   BEDROCK
               35       50      60    10      62


      mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
              3350         1692       0       0

Au:  320 ng/g          cAu:  6794 ng         eAu:  1072 pg/g
Ag:  .05 ug/g          cAg:  1.1 ug          eAg:  .2 ng/g
As:  8 ug/g            cAs:  170 ug          eAs:  27 ng/g
Cu:  72 ug/g           cCu:  1529 ug         eCu:  241 ng/g
Zn:  20 ug/g           cZn:  425 ug          eZn:  67 ng/g
Sb:  0 ug/g            cSb:  0 ug            eSb:  0 ng/g
Ba:  0 ug/g            cBa:  0 ug            eBa:  0 ng/g
Cr:  0 ug/g            cCr:  0 ug            eCr:  0 ng/g
Co:  0 ug/g            cCo:  0 ug            eCo:  0 ng/g
Mo:  0 ug/g            cMo:  0 ug            eMo:  0 ng/g
Ni:  0 ug/g            cNi:  0 ug            eNi:  0 ng/g
 W:  0 ug/g             cW:  0 ug             eW:  0 ng/g
```



O/B ENJCAR

EC-86-089

DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
33	-.75	0

03

FROM	TO	TYPE	SS	BEDROCK
60	62	80	20	62

<2% PYRITE 40% HEMATITE

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
2470	3203	0	0

Au: 65 ng/g	cAu: 890 ng	eAu: 161 pg/g
Ag: .1 ug/g	cAg: 1.4 ug	eAg: .2 ng/g
As: 6 ug/g	cAs: 82 ug	eAs: 15 ng/g
Cu: 166 ug/g	cCu: 2273 ug	eCu: 410 ng/g
Zn: 52 ug/g	cZn: 712 ug	eZn: 128 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
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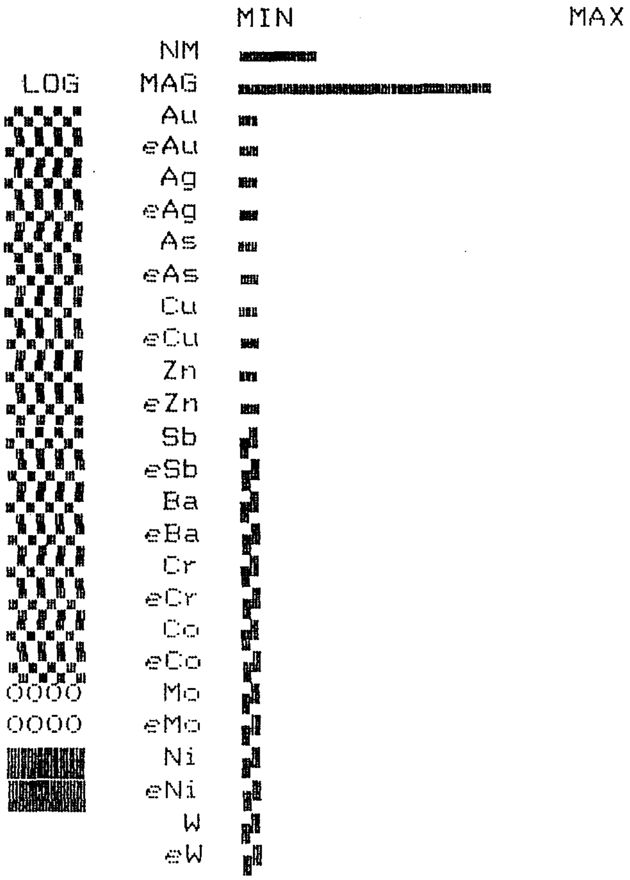
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



O/B ENJCAR

EC-86-090

DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
31	1.5	0

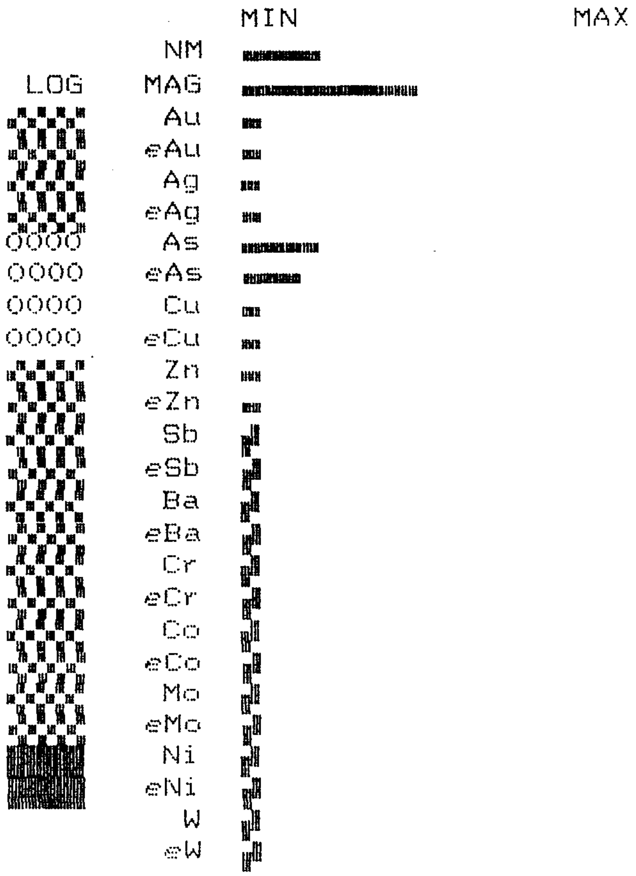
01

FROM	TO	TYPE	SS	BEDROCK
22	34	80	10	82

SANDY GRAVELLY

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
2393	2147	0	0

Au: 715 ng/g	cAu: 10432 ng	eAu: 1711 pg/g
Ag: .05 ug/g	cAg: .7 ug	eAg: .1 ng/g
As: 132 ug/g	cAs: 1926 ug	eAs: 316 ng/g
Cu: 270 ug/g	cCu: 3939 ug	eCu: 646 ng/g
Zn: 52 ug/g	cZn: 759 ug	eZn: 124 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



0/8 ENJCAR

EC-86-090

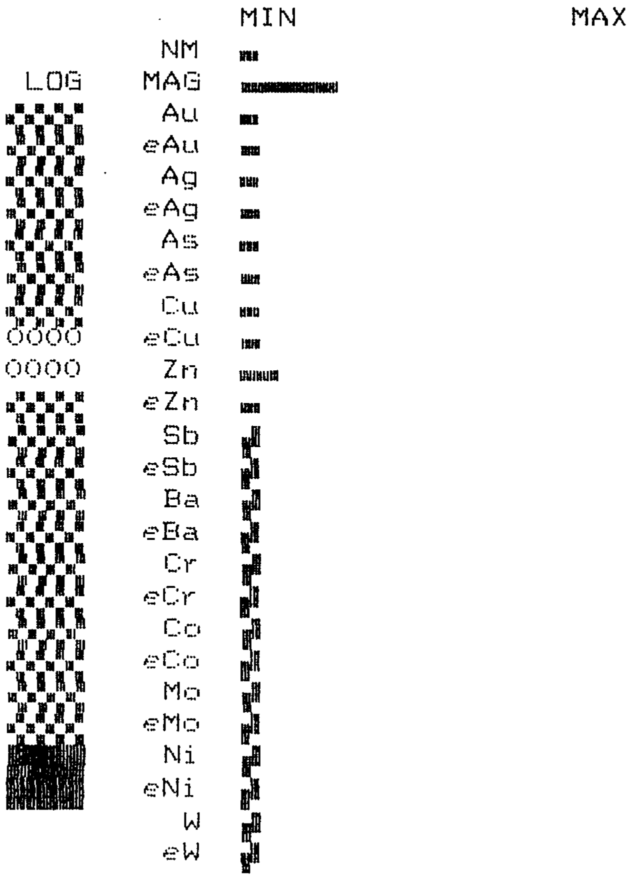
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
31	1.5	0

O2

FROM	TO	TYPE	SS	BEDROCK
34	39	60	10	82

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
634	1189	0	0

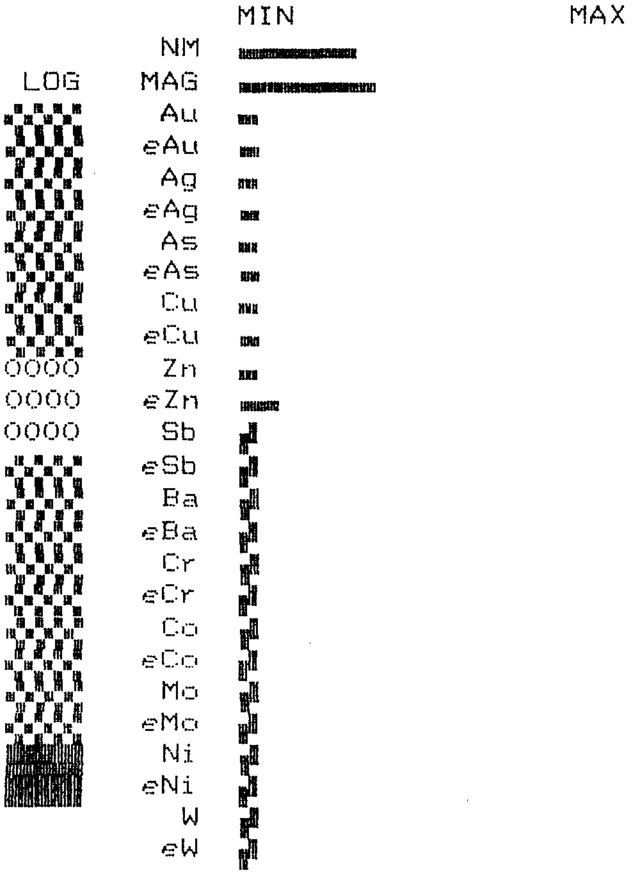
Au: 25 ng/g	cAu: 84 ng	eAu: 16 pg/g
Ag: .05 ug/g	cAg: .2 ug	eAg: 0 ng/g
As: 50 ug/g	cAs: 167 ug	eAs: 32 ng/g
Cu: 1050 ug/g	cCu: 3507 ug	eCu: 666 ng/g
Zn: 100 ug/g	cZn: 334 ug	eZn: 63 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



O/B ENJCAR

EC-86-090

```
DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
     31           1.5               0

                    03

     FROM     TO    TYPE   SS   BEDROCK
      39      49     80    10      82

               SANDY SILTY TILL

mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
     3179          1811       0       0

Au: 5 ng/g          cAu: 65 ng         eAu: 16 pg/g
Ag: .1 ug/g         cAg: 1.3 ug        eAg: .3 ng/g
As: 8 ug/g          cAs: 104 ug        eAs: 25 ng/g
Cu: 168 ug/g        cCu: 2191 ug       eCu: 534 ng/g
Zn: 64 ug/g         cZn: 835 ug        eZn: 203 ng/g
Sb: 0 ug/g          cSb: 0 ug          eSb: 0 ng/g
Ba: 0 ug/g          cBa: 0 ug          eBa: 0 ng/g
Cr: 0 ug/g          cCr: 0 ug          eCr: 0 ng/g
Co: 0 ug/g          cCo: 0 ug          eCo: 0 ng/g
Mo: 0 ug/g          cMo: 0 ug          eMo: 0 ng/g
Ni: 0 ug/g          cNi: 0 ug          eNi: 0 ng/g
 W: 0 ug/g           cW: 0 ug           eW: 0 ng/g
```



O/B ENJCAR

EC-86-090

DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
31	1.5	0

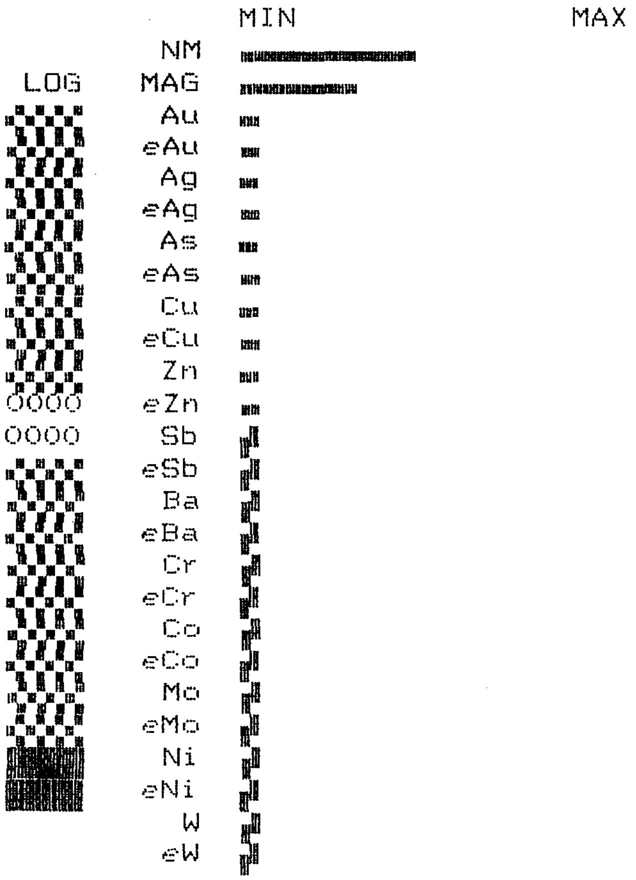
04

FROM	TO	TYPE	SS	BEDROCK
44	49	80	10	82

SANDY SILTY

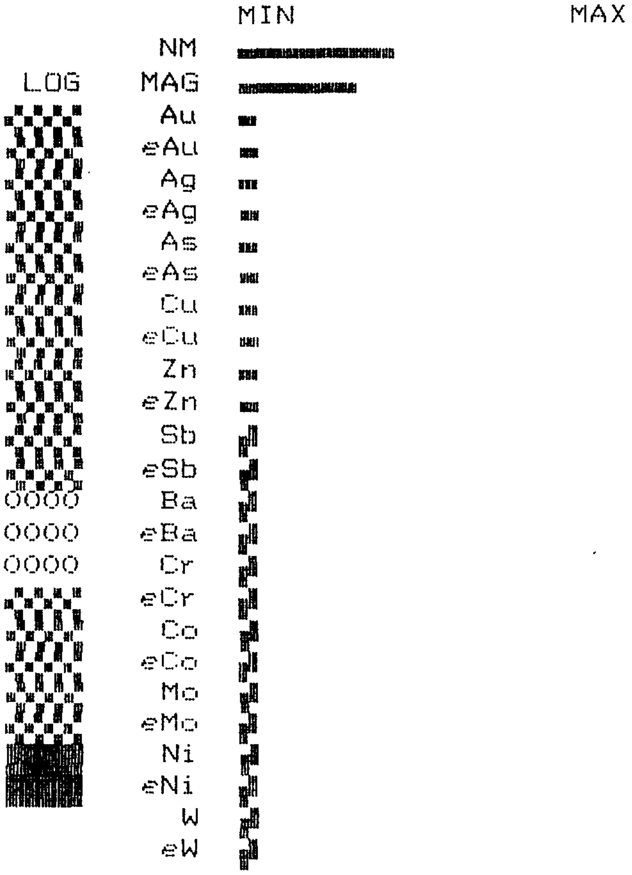
mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
4837	1621	0	0

Au: 5 ng/g	cAu: 80 ng	eAu: 24 pg/g
Ag: .05 μg/g	cAg: .8 μg	eAg: .2 ng/g
As: 30 μg/g	cAs: 480 μg	eAs: 145 ng/g
Cu: 108 μg/g	cCu: 1728 μg	eCu: 522 ng/g
Zn: 28 μg/g	cZn: 448 μg	eZn: 135 ng/g
Sb: 0 μg/g	cSb: 0 μg	eSb: 0 ng/g
Ba: 0 μg/g	cBa: 0 μg	eBa: 0 ng/g
Cr: 0 μg/g	cCr: 0 μg	eCr: 0 ng/g
Co: 0 μg/g	cCo: 0 μg	eCo: 0 ng/g
Mo: 0 μg/g	cMo: 0 μg	eMo: 0 ng/g
Ni: 0 μg/g	cNi: 0 μg	eNi: 0 ng/g
W: 0 μg/g	cW: 0 μg	eW: 0 ng/g



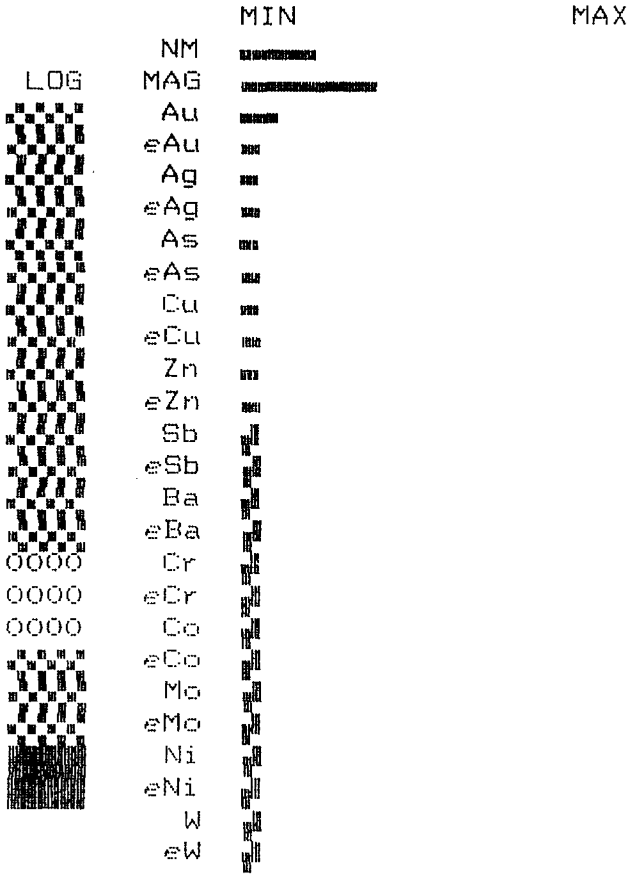
0/B ENJCAR

```
                         EC-86-090

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
             31            1.5              0

                            05

                FROM     TO    TYPE   SS   BEDROCK
                 55      65     80    10      82


         mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                4553        1448       0       0

Au:  245 ng/g           cAu:  7095 ng          eAu:  1116 pg/g
Ag:  .2 ug7g            cAg:  5.8 ug           eAg:  .9 ng/g
As:  1 ug/g             cAs:  29 ug            eAs:  5 ng/g
Cu:  60 ug7g            cCu:  1738 ug          eCu:  273 ng/g
Zn:  18 ug/g            cZn:  521 ug           eZn:  82 ng/g
Sb:  0 ug7g             cSb:  0 ug             eSb:  0 ng7g
Ba:  0 ug/g             cBa:  0 ug             eBa:  0 ng/g
Cr:  0 ug/g             cCr:  0 ug             eCr:  0 ng/g
Co:  0 ug/g             cCo:  0 ug             eCo:  0 ng/g
Mo:  0 ug/g             cMo:  0 ug             eMo:  0 ng/g
Ni:  0 ug/g             cNi:  0 ug             eNi:  0 ng/g
 W:  0 ug/g              cW:  0 ug              eW:  0 ng/g
```



O/B ENJCAR

```
                              EC-86-090

            DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                 31           1.5            0

                                 06

                    FROM      TO    TYPE   SS   BEDROCK
                     65       73     80    10      82

           mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                 2055          1806        0       0

 Au: 2275 ng/g          cAu: 27277 ng        eAu: 4675 pg/g
 Ag: .05 ug/g           cAg: .6 ug           eAg: .1 ng/g
 As: 6 ug/g             cAs: 72 ug           eAs: 12 ng/g
 Cu: 58 ug/g            cCu: 695 ug          eCu: 119 ng/g
 Zn: 16 ug/g            cZn: 192 ug          eZn: 33 ng/g
 Sb: 0 ug/g             cSb: 0 ug            eSb: 0 ng/g
 Ba: 0 ug/g             cBa: 0 ug            eBa: 0 ng/g
 Cr: 0 ug/g             cCr: 0 ug            eCr: 0 ng/g
 Co: 0 ug/g             cCo: 0 ug            eCo: 0 ng/g
 Mo: 0 ug/g             cMo: 0 ug            eMo: 0 ng/g
 Ni: 0 ug/g             cNi: 0 ug            eNi: 0 ng/g
  W: 0 ug/g              cW: 0 ug             eW: 0 ng/g
```



0/B ENJCAR

EC-86-090

DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
31	1.5	0

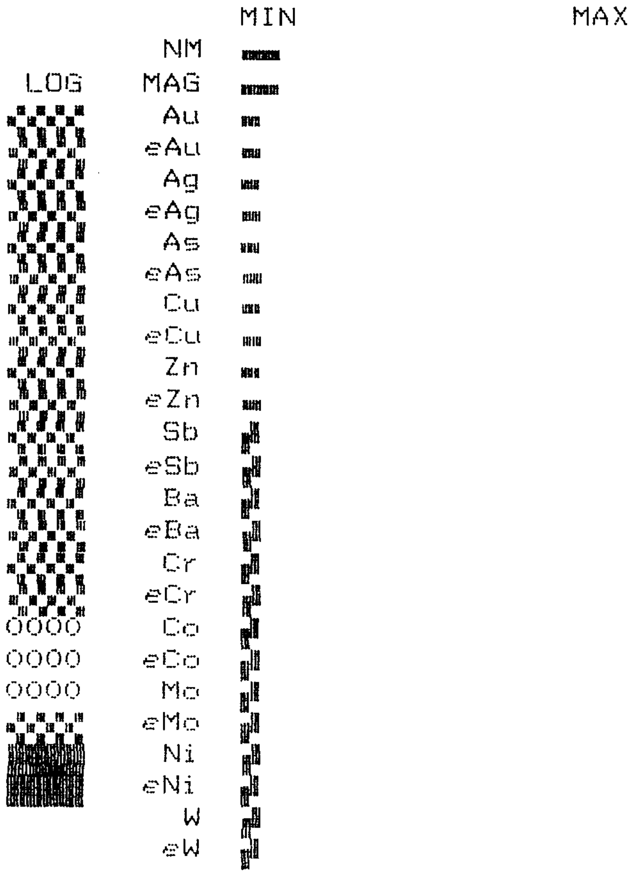
07

FROM	TO	TYPE	SS	BEDROCK
73	79	80	20	82

60% PY TR ASPY 20% HEM

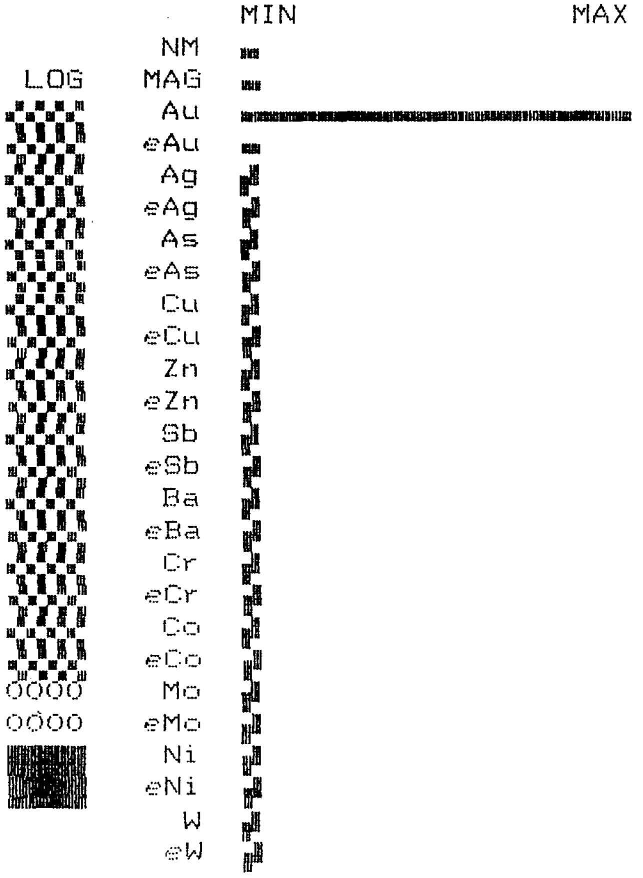
mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
1431	553	0	0

Au: 60 ng/g	cAu: 520 ng	eAu: 86 pg/g
Ag: .6 ug/g	cAg: 5.2 ug	eAg: .9 ng/g
As: 37 ug/g	cAs: 321 ug	eAs: 53 ng/g
Cu: 1600 ug/g	cCu: 13872 ug	eCu: 2289 ng/g
Zn: 64 ug/g	cZn: 555 ug	eZn: 92 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



J/B ENJCAR

```
                         EC-86-090

      DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
           31            1.5               0

                            08

                  FROM     TO    TYPE   SS   BEDROCK
                   79      82     80    20      82


      mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                5           42      0       0

 Au: 19000 ng/g         cAu: 190 ng          eAu: 89 pg/g
 Ag: 0 µg/g             cAg: 0 µg            eAg: 0 ng/g
 As: 0 µg/g             cAs: 0 µg            eAs: 0 ng/g
 Cu: 0 µg/g             cCu: 0 µg            eCu: 0 ng/g
 Zn: 0 µg/g             cZn: 0 µg            eZn: 0 ng/g
 Sb: 0 µg/g             cSb: 0 µg            eSb: 0 ng/g
 Ba: 0 µg/g             cBa: 0 µg            eBa: 0 ng/g
 Cr: 0 µg/g             cCr: 0 µg            eCr: 0 ng/g
 Co: 0 µg/g             cCo: 0 µg            eCo: 0 ng/g
 Mo: 0 µg/g             cMo: 0 µg            eMo: 0 ng/g
 Ni: 0 µg/g             cNi: 0 µg            eNi: 0 ng/g
  W: 0 µg/g              cW: 0 µg             eW: 0 ng/g
```



O/B ENJCAR

EC-86-123

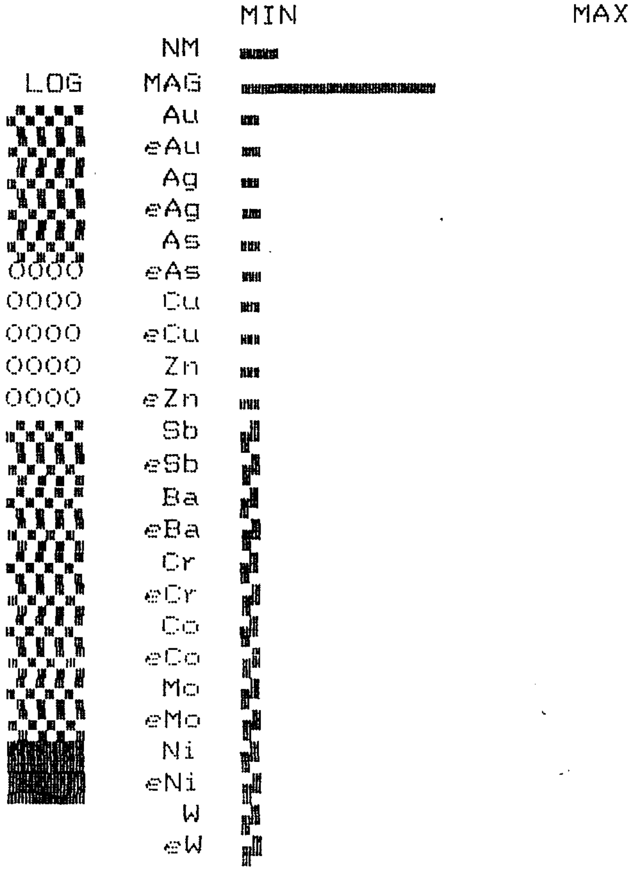
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
25	7	0

O2-3

FROM	TO	TYPE	SS	BEDROCK
35	55	60	10	104

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
1307	2327	0	0

Au: 15 ng/g	cAu: 225 ng	eAu: 20 pg/g
Ag: .4 ug/g	cAg: 6 ug	eAg: .5 ng/g
As: 50 ug/g	cAs: 750 ug	eAs: 65 ng/g
Cu: 99 ug/g	cCu: 1485 ug	eCu: 129 ng/g
Zn: 29 ug/g	cZn: 435 ug	eZn: 38 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



O/B ENJCAR

EC-86-123

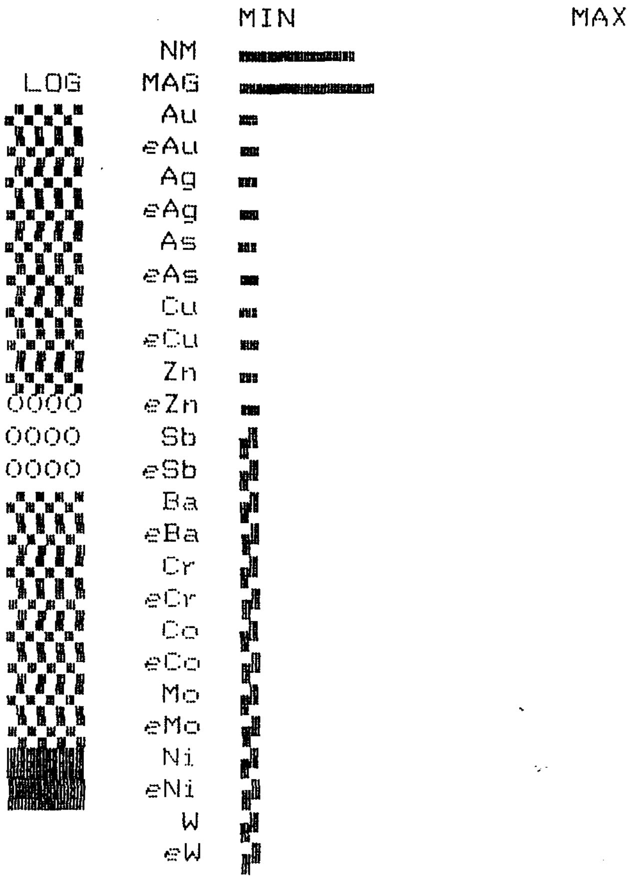
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
25	7	0

04

FROM	TO	TYPE	SS	BEDROCK
55	65	80	10	104

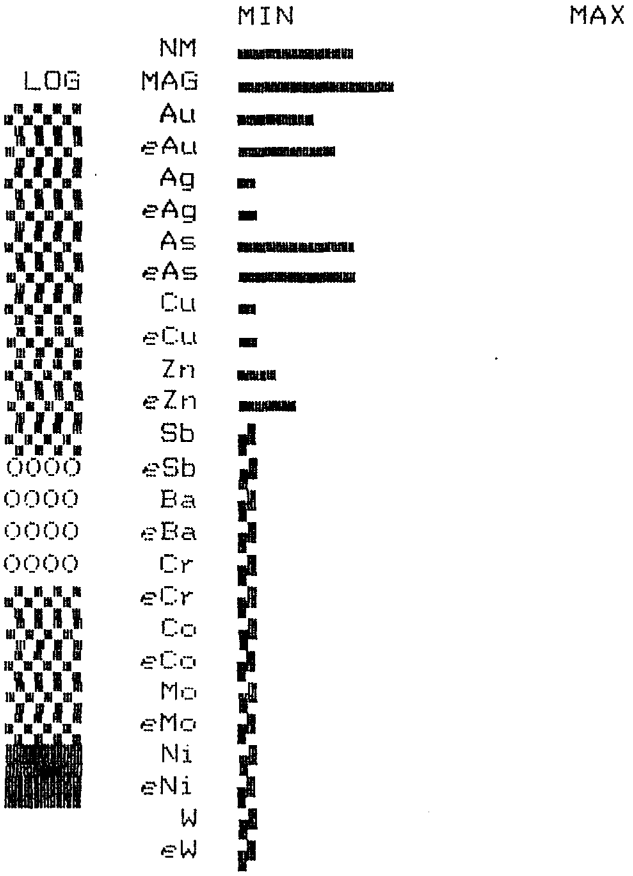
mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
3364	1790	0	0

Au: 5 ng/g	cAu: 96 ng	eAu: 17 pg/g
Ag: .05 ug/g	cAg: 1 ug	eAg: .2 ng/g
As: 13 ug/g	cAs: 249 ug	eAs: 44 ng/g
Cu: 128 ug/g	cCu: 2451 ug	eCu: 431 ng/g
Zn: 34 ug/g	cZn: 651 ug	eZn: 114 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



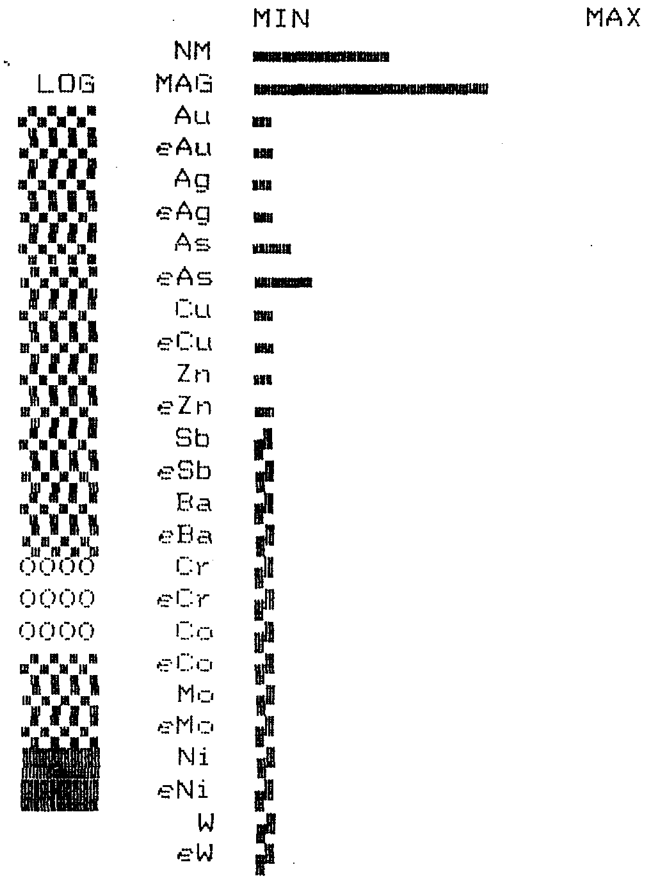
O/B ENJCAR

```
                         EC-86-123

          DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
               25            7              0

                           05-6

                FROM     TO    TYPE   SS   BEDROCK
                 65      78     60    10     104


          mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                3097          1890       0       0

Au: 4680 ng/g          cAu: 138060 ng        eAu: 14494 pg/g
Ag: 1.2 ug7g           cAg: 35.4 ug          eAg: 3.7 ng/g
As: 196 ug/g           cAs: 5782 ug          eAs: 607 ng/g
Cu: 375 ug/g           cCu: 11063 ug         eCu: 1161 ng7g
Zn: 89 ug7g            cZn: 2626 ug          eZn: 276 ng/g
Sb: 0 ug7g             cSb: 0 ug             eSb: 0 ng/g
Ba: 0 ug/g             cBa: 0 ug             eBa: 0 ng/g
Cr: 0 ug/g             cCr: 0 ug             eCr: 0 ng/g
Co: 0 ug/g             cCo: 0 ug             eCo: 0 ng/g
Mo: 0 ug/g             cMo: 0 ug             eMo: 0 ng/g
Ni: 0 ug/g             cNi: 0 ug             eNi: 0 ng/g
 W: 0 ug/g              cW: 0 ug              eW: 0 ng/g
```



O/B ENJCAR

```
                              EC-86-123

           DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                25             7              0

                                07-8

                  FROM     TO    TYPE   SS   BEDROCK
                   78      89     60    10     104

           mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                  3749        2797       0       0

  Au: 35 ng/g          cAu: 1309 ng          eAu: 131 pg/g
  Ag: 1.2 ug/g         cAg: 44.9 ug          eAg: 4.5 ng/g
  As: 96 ug/g          cAs: 3590 ug          eAs: 360 ng/g
  Cu: 302 ug/g         cCu: 11295 ug         eCu: 1132 ng/g
  Zn: 37 ug/g          cZn: 1384 ug          eZn: 139 ng/g
  Sb: 0 ug/g           cSb: 0 ug             eSb: 0 ng/g
  Ba: 0 ug/g           cBa: 0 ug             eBa: 0 ng/g
  Cr: 0 ug/g           cCr: 0 ug             eCr: 0 ng/g
  Co: 0 ug/g           cCo: 0 ug             eCo: 0 ng/g
  Mo: 0 ug/g           cMo: 0 ug             eMo: 0 ng/g
  Ni: 0 ug/g           cNi: 0 ug             eNi: 0 ng/g
   W: 0 ug/g            cW: 0 ug              eW: 0 ng/g
```



0/B ENJCAR

EC-86-123

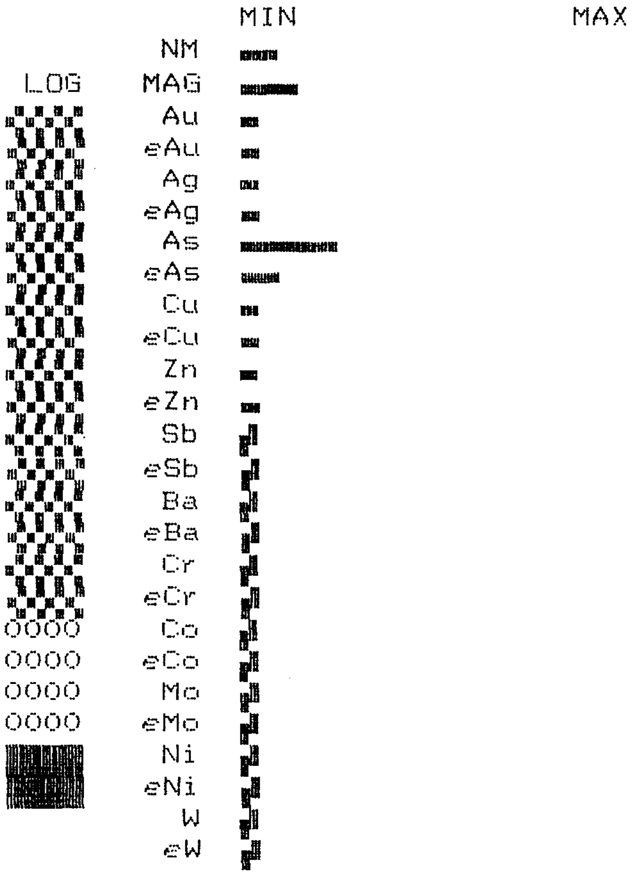
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
25	7	0

09

FROM	TO	TYPE	SS	BEDROCK
89	104	60	20	104

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
1121	940	0	0

Au:	1525 ng/g	cAu:	12291 ng	eAu:	1709 pg/g
Ag:	.05 µg/g	cAg:	.4 µg	eAg:	.1 ng/g
As:	191 µg/g	cAs:	1539 µg	eAs:	214 ng/g
Cu:	360 µg/g	cCu:	2902 µg	eCu:	403 ng/g
Zn:	40 µg/g	cZn:	322 µg	eZn:	45 ng/g
Sb:	0 µg/g	cSb:	0 µg	eSb:	0 ng/g
Ba:	0 µg/g	cBa:	0 µg	eBa:	0 ng/g
Cr:	0 µg/g	cCr:	0 µg	eCr:	0 ng/g
Co:	0 µg/g	cCo:	0 µg	eCo:	0 ng/g
Mo:	0 µg/g	cMo:	0 µg	eMo:	0 ng/g
Ni:	0 µg/g	cNi:	0 µg	eNi:	0 ng/g
W:	0 µg/g	cW:	0 µg	eW:	0 ng/g



O/B ENJCAR

EC-86-126

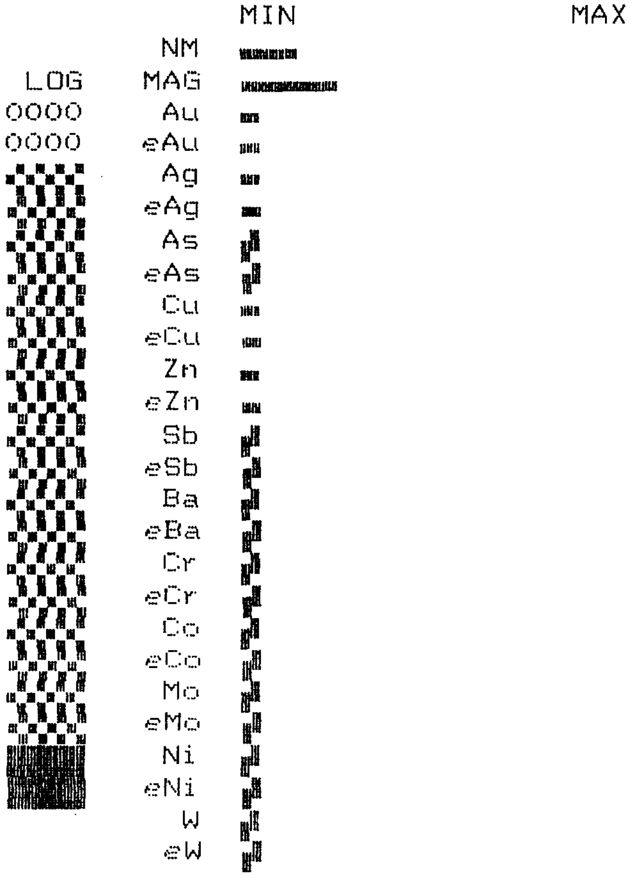
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
37.75	0	0

01-2

FROM	TO	TYPE	SS	BEDROCK
7	20	80	10	145

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
1960	1343	0	0

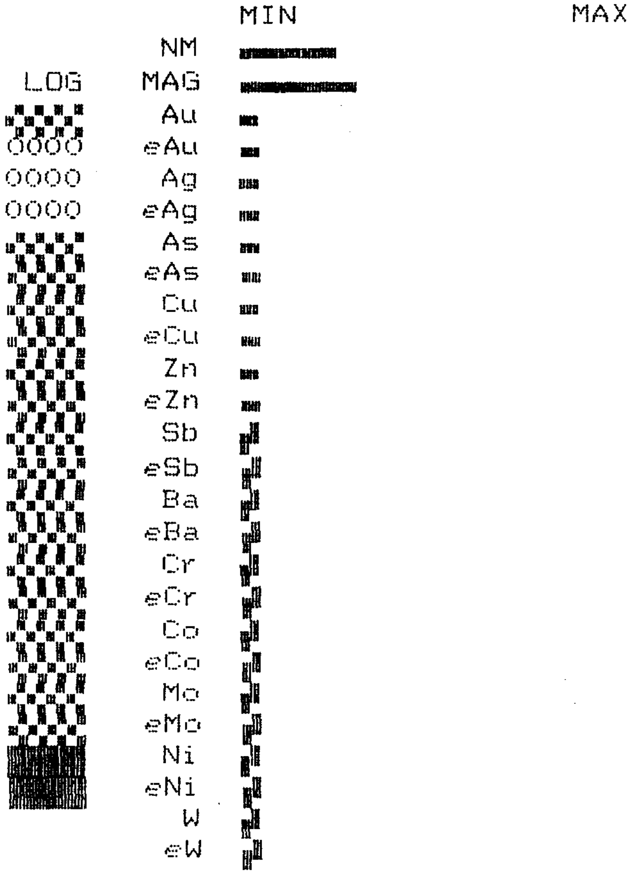
Au: 580 ng/g	cAu: 11252 ng	eAu: 1137 pg/g
Ag: .2 ug/g	cAg: 3.9 ug	eAg: .4 ng/g
As: 0 ug/g	cAs: 0 ug	eAs: 0 ng/g
Cu: 93 ug/g	cCu: 1804 ug	eCu: 182 ng/g
Zn: 22 ug/g	cZn: 427 ug	eZn: 43 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



O/B ENJCAR

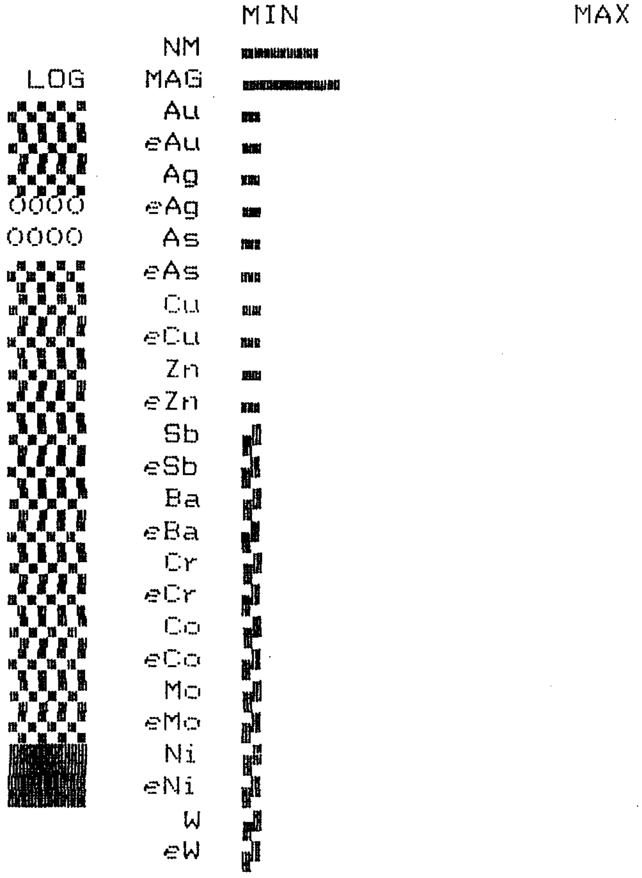
EC-86-126

```
DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
   37.75           0             0

                  O3

     FROM     TO    TYPE   SS   BEDROCK
      20      30     80    10     145

mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
      2552         1471       0       0

Au: 225 ng/g          cAu: 2498 ng        eAu: 574 pg/g
Ag: .3 ug/g           cAg: 3.3 ug         eAg: .8 ng/g
As: 33 ug/g           cAs: 366 ug         eAs: 84 ng/g
Cu: 157 ug/g          cCu: 1743 ug        eCu: 401 ng/g
Zn: 41 ug/g           cZn: 455 ug         eZn: 105 ng/g
Sb: 0 ug/g            cSb: 0 ug           eSb: 0 ng/g
Ba: 0 ug/g            cBa: 0 ug           eBa: 0 ng/g
Cr: 0 ug/g            cCr: 0 ug           eCr: 0 ng/g
Co: 0 ug/g            cCo: 0 ug           eCo: 0 ng/g
Mo: 0 ug/g            cMo: 0 ug           eMo: 0 ng/g
Ni: 0 ug/g            cNi: 0 ug           eNi: 0 ng/g
 W: 0 ug/g             cW: 0 ug            eW: 0 ng/g
```



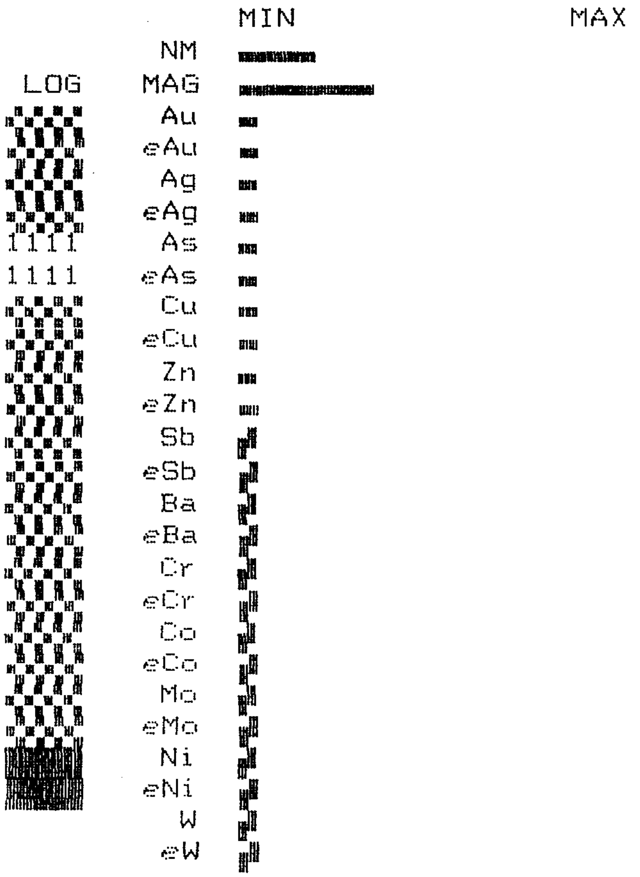
0/B ENJCAR

```
                    EC-86-126

   DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
       37.75          0              0

                       04

           FROM     TO    TYPE   SS   BEDROCK
            30      40     80    10     145


   mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
          2095         1333       0       0

Au: 680 ng/g          cAu: 5984 ng         eAu: 1425 pg/g
Ag: .4 ug/g           cAg: 3.5 ug          eAg: .8 ng/g
As: 17 ug/g           cAs: 150 ug          eAs: 36 ng/g
Cu: 148 ug/g          cCu: 1302 ug         eCu: 310 ng/g
Zn: 31 ug/g           cZn: 273 ug          eZn: 65 ng/g
Sb: 0 ug/g            cSb: 0 ug            eSb: 0 ng/g
Ba: 0 ug/g            cBa: 0 ug            eBa: 0 ng/g
Cr: 0 ug/g            cCr: 0 ug            eCr: 0 ng/g
Co: 0 ug/g            cCo: 0 ug            eCo: 0 ng/g
Mo: 0 ug/g            cMo: 0 ug            eMo: 0 ng/g
Ni: 0 ug/g            cNi: 0 ug            eNi: 0 ng/g
 W: 0 ug/g             cW: 0 ug             eW: 0 ng/g
```



0/B ENJCAR

```
                         EC-86-126

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
            37.75          0              0

                            05

                 FROM    TO   TYPE   SS   BEDROCK
                  40     50    80    10     145

        mg/kg NON MAG   mg/kg MAG      VG   MIN#2
              2256          1641      1.6      0

Au:  800 ng/g          cAu:  8800 ng        eAu:  1805 pg/g
Ag:  .1 ug/g           cAg:  1.1 ug         eAg:  .2 ng/g
As:  22 ug/g           cAs:  242 ug         eAs:  50 ng/g
Cu:  129 ug/g          cCu:  1419 ug        eCu:  291 ng/g
Zn:  57 ug/g           cZn:  627 ug         eZn:  129 ng/g
Sb:  0 ug/g            cSb:  0 ug           eSb:  0 ng/g
Ba:  0 ug/g            cBa:  0 ug           eBa:  0 ng/g
Cr:  0 ug/g            cCr:  0 ug           eCr:  0 ng/g
Co:  0 ug/g            cCo:  0 ug           eCo:  0 ng/g
Mo:  0 ug/g            cMo:  0 ug           eMo:  0 ng/g
Ni:  0 ug/g            cNi:  0 ug           eNi:  0 ng/g
 W:  0 ug/g             cW:  0 ug            eW:  0 ng/g
```



O/B ENJCAR

EC-86-126

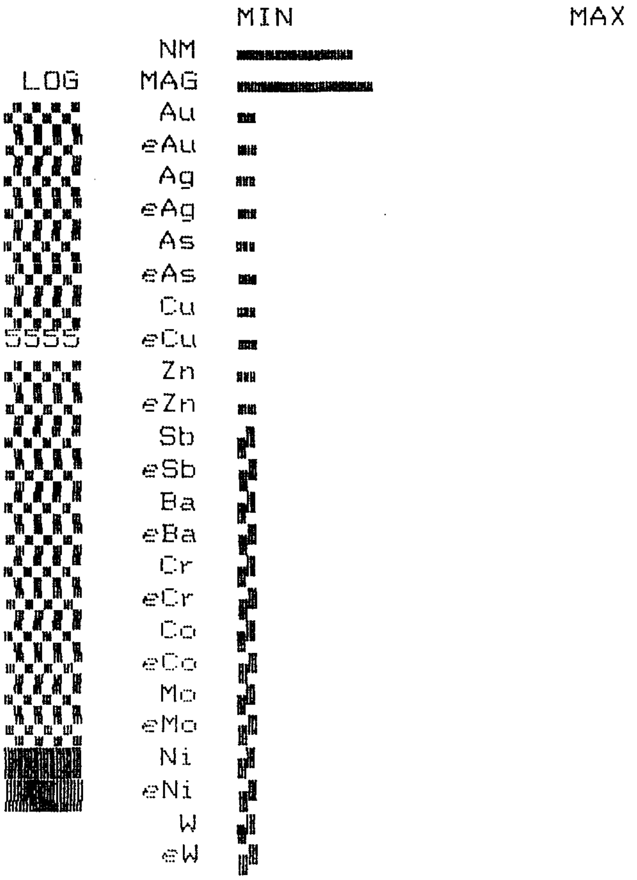
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
37.75	0	0

06-7

FROM	TO	TYPE	SS	BEDROCK
60	65	60	10	145

mg/kg NON MAG	mg/kg MAG	VG	PYRITE
3345	1825	3.1	30

Au:	5 ng/g	cAu:	215 ng	eAu:	17 pg/g
Ag:	.1 ug/g	cAg:	4.3 ug	eAg:	.3 ng/g
As:	2 ug/g	cAs:	86 ug	eAs:	7 ng/g
Cu:	12 ug/g	cCu:	515 ug	eCu:	40 ng/g
Zn:	28 ug/g	cZn:	1201 ug	eZn:	94 ng/g
Sb:	0 ug/g	cSb:	0 ug	eSb:	0 ng/g
Ba:	0 ug/g	cBa:	0 ug	eBa:	0 ng/g
Cr:	0 ug/g	cCr:	0 ug	eCr:	0 ng/g
Co:	0 ug/g	cCo:	0 ug	eCo:	0 ng/g
Mo:	0 ug/g	cMo:	0 ug	eMo:	0 ng/g
Ni:	0 ug/g	cNi:	0 ug	eNi:	0 ng/g
W:	0 ug/g	cW:	0 ug	eW:	0 ng/g



0/B ENJCAR

EC-86-126

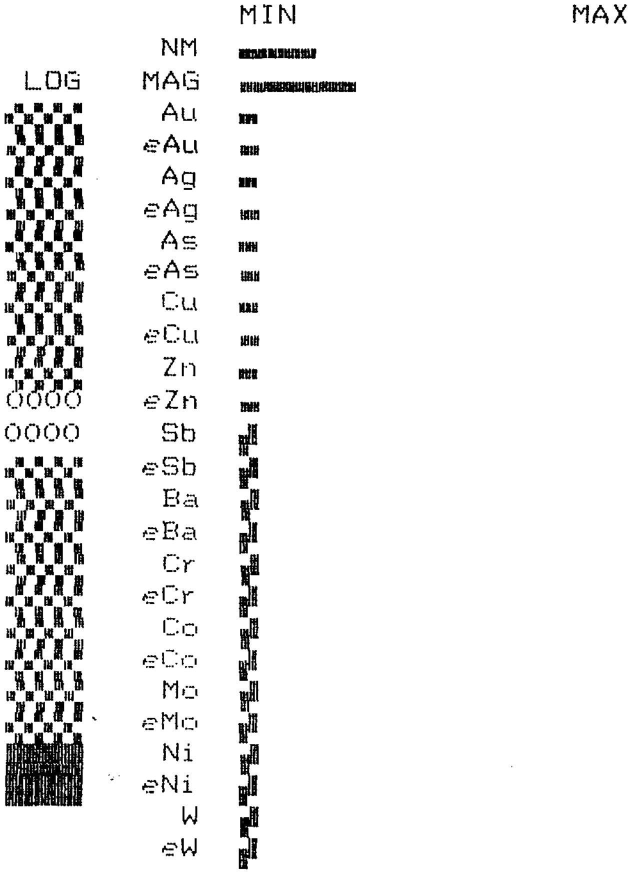
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
37.75	0	0

08

FROM	TO	TYPE	SS	BEDROCK
75	85	60	10	145

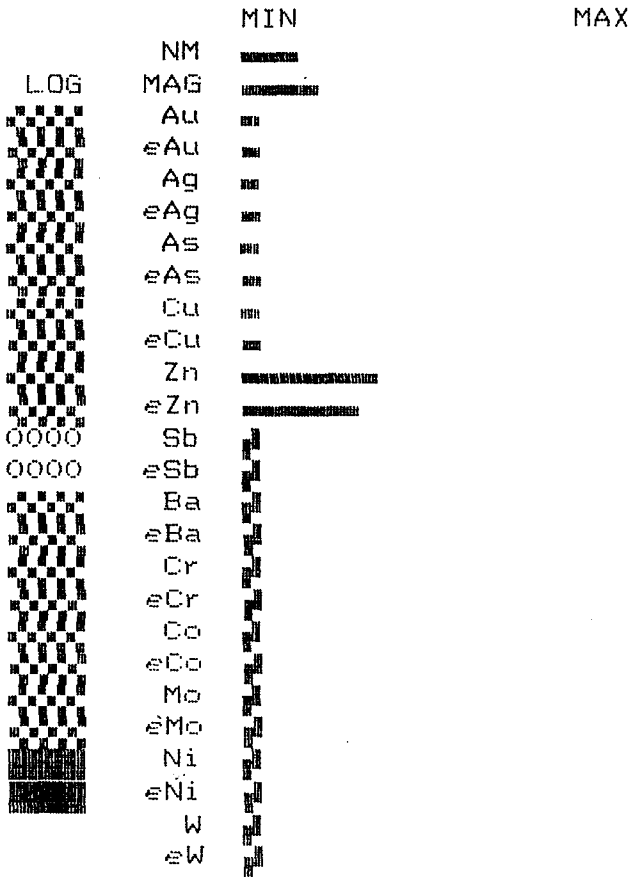
mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
2250	1583	0	0

Au: 15 ng/g	cAu: 162 ng	eAu: 34 pg/g
Ag: .05 ug7g	cAg: .5 ug	eAg: .1 ng/g
As: 10 ug/g	cAs: 108 ug	eAs: 23 ng/g
Cu: 9 ug7g	cCu: 97 ug	eCu: 20 ng/g
Zn: 12 ug/g	cZn: 130 ug	eZn: 27 ng/g
Sb: 0 ug7g	cSb: 0 ug	eSb: 0 ng7g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



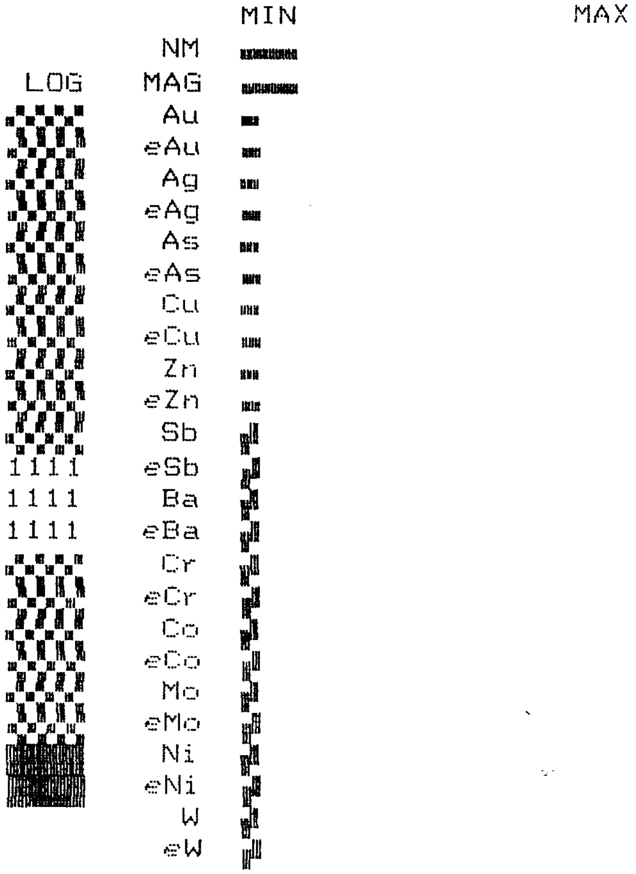
O/B ENJCAR

```
                          EC-86-126

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
           37.75           0              0

                             09

               FROM    TO   TYPE   SS   BEDROCK
                85     94    60    10     145


        mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                1765         1014       0       0

 Au: 75 ng/g          cAu: 705 ng          eAu: 132 pg/g
 Ag: .05 ug/g         cAg: .5 ug           eAg: .1 ng/g
 As: 3 ug/g           cAs: 28 ug           eAs: 5 ng/g
 Cu: 62 ug/g          cCu: 583 ug          eCu: 109 ng/g
 Zn: 294 ug/g         cZn: 2764 ug         eZn: 519 ng/g
 Sb: 0 ug/g           cSb: 0 ug            eSb: 0 ng/g
 Ba: 0 ug/g           cBa: 0 ug            eBa: 0 ng/g
 Cr: 0 ug/g           cCr: 0 ug            eCr: 0 ng/g
 Co: 0 ug/g           cCo: 0 ug            eCo: 0 ng/g
 Mo: 0 ug/g           cMo: 0 ug            eMo: 0 ng/g
 Ni: 0 ug/g           cNi: 0 ug            eNi: 0 ng/g
  W: 0 ug/g            cW: 0 ug             eW: 0 ng/g
```



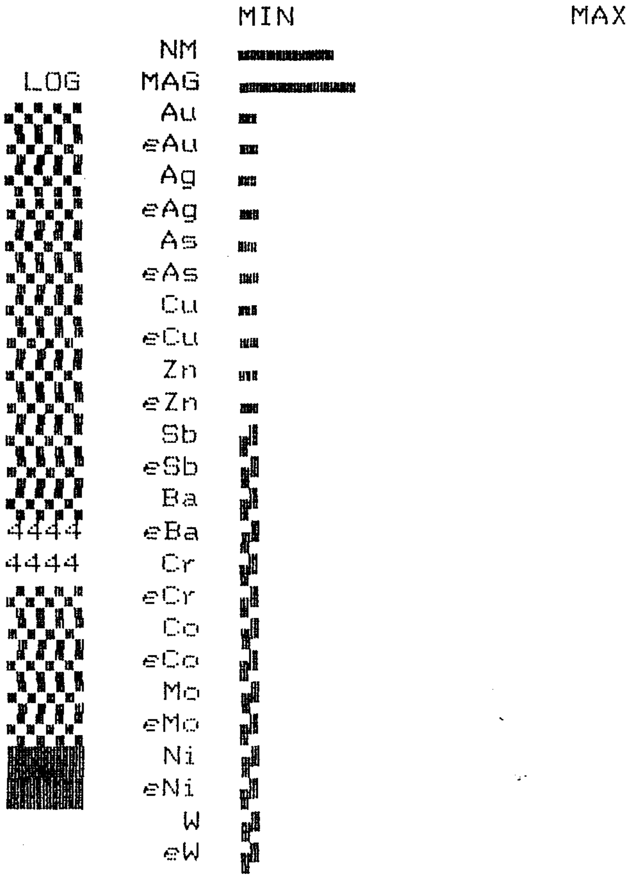
0/B'ENJCAR

```
                         EC-86-126

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
           37.75           0              0

                            10

              FROM     TO    TYPE   SS   BEDROCK
               94     105     80    10     145

        mg/kg NON MAG   mg/kg MAG     VG   MIN#2
            1558            900      1.4     0

Au:  1240 ng/g         cAu:  11160 ng        eAu:  1932 pg/g
Ag:  .3 ug/g           cAg:  2.7 ug          eAg:  .5 ng/g
As:  1 ug/g            cAs:  9 ug            eAs:  2 ng/g
Cu:  25 ug/g           cCu:  225 ug          eCu:  39 ng/g
Zn:  26 ug/g           cZn:  234 ug          eZn:  41 ng/g
Sb:  0 ug/g            cSb:  0 ug            eSb:  0 ng/g
Ba:  0 ug/g            cBa:  0 ug            eBa:  0 ng/g
Cr:  0 ug/g            cCr:  0 ug            eCr:  0 ng/g
Co:  0 ug/g            cCo:  0 ug            eCo:  0 ng/g
Mo:  0 ug/g            cMo:  0 ug            eMo:  0 ng/g
Ni:  0 ug/g            cNi:  0 ug            eNi:  0 ng/g
 W:  0 ug/g             cW:  0 ug             eW:  0 ng/g
```

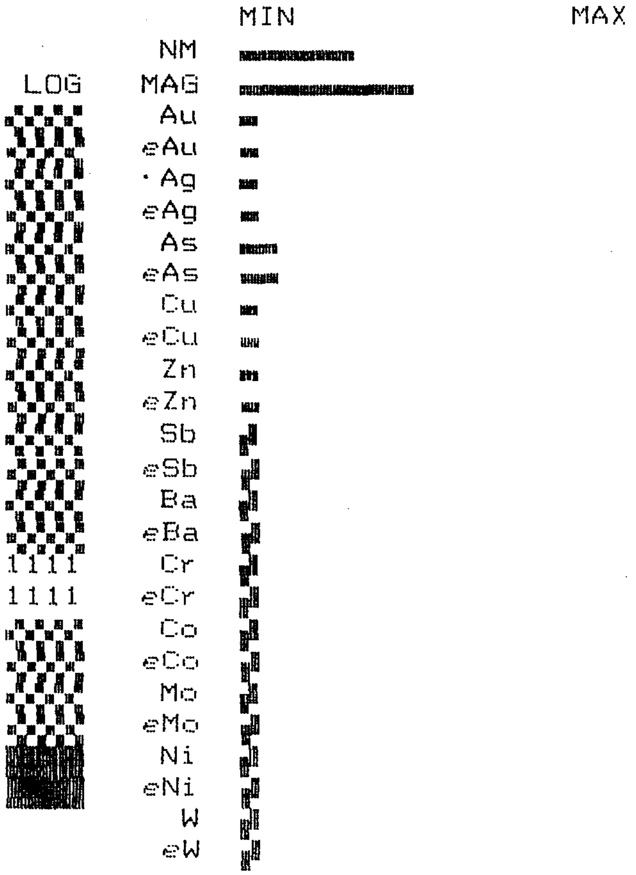


0/B ENJCAR

```
                              EC-86-126

               DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                  37.75           0              0

                                 1 1

                    FROM     TO    TYPE   SS   BEDROCK
                     105    115     60    10      145

          mg/kg NON MAG   mg/kg MAG      VG   MIN#2
                 2703        1423      5.8      0

   Au: 200 ng/g          cAu: 3000 ng        eAu: 541 pg/g
   Ag: .1 µg/g           cAg: 1.5 µg         eAg: .3 ng/g
   As: 8 µg/g            cAs: 120 µg         eAs: 22 ng/g
   Cu: 89 µg/g           cCu: 1335 µg        eCu: 241 ng/g
   Zn: 18 µg/g           cZn: 270 µg         eZn: 49 ng/g
   Sb: 0 µg/g            cSb: 0 µg           eSb: 0 ng/g
   Ba: 0 µg/g            cBa: 0 µg           eBa: 0 ng/g
   Cr: 0 µg/g            cCr: 0 µg           eCr: 0 ng/g
   Co: 0 µg/g            cCo: 0 µg           eCo: 0 ng/g
   Mo: 0 µg/g            cMo: 0 µg           eMo: 0 ng/g
   Ni: 0 µg/g            cNi: 0 µg           eNi: 0 ng/g
    W: 0 µg/g             cW: 0 µg            eW: 0 ng/g
```



```
                         EC-86-126

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
            37.78           0              0

                            12

               FROM     TO    TYPE   SS   BEDROCK
                115     120    80    10     145


        mg/kg NON MAG   mg/kg MAG     VG   MIN#2
                3111        2222     1.5       0

Au:  355 ng/g          cAu:  5964 ng        eAu:  1104 pg/g
Ag:  .6 ug/g           cAg:  10.1 ug        eAg:  1.9 ng/g
As:  85 ug/g           cAs:  1428 ug        eAs:  264 ng/g
Cu:  158 ug/g          cCu:  2654 ug        eCu:  492 ng/g
Zn:  49 ug/g           cZn:  823 ug         eZn:  152 ng/g
Sb:  0 ug/g            cSb:  0 ug           eSb:  0 ng/g
Ba:  0 ug/g            cBa:  0 ug           eBa:  0 ng/g
Cr:  0 ug/g            cCr:  0 ug           eCr:  0 ng/g
Co:  0 ug/g            cCo:  0 ug           eCo:  0 ng/g
Mo:  0 ug/g            cMo:  0 ug           eMo:  0 ng/g
Ni:  0 ug/g            cNi:  0 ug           eNi:  0 ng/g
 W:  0 ug/g             cW:  0 ug            eW:  0 ng/g
```

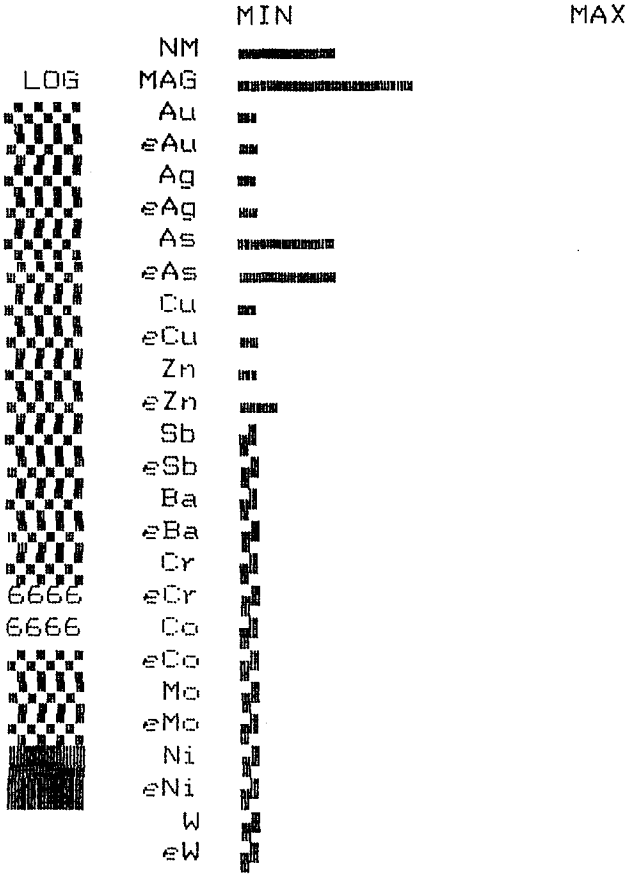


0/B ENJCAR

```
                         EC-86-126

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
            37.75          0            0

                            13

               FROM      TO    TYPE   SS   BEDROCK
                120      125    80    10     145
```

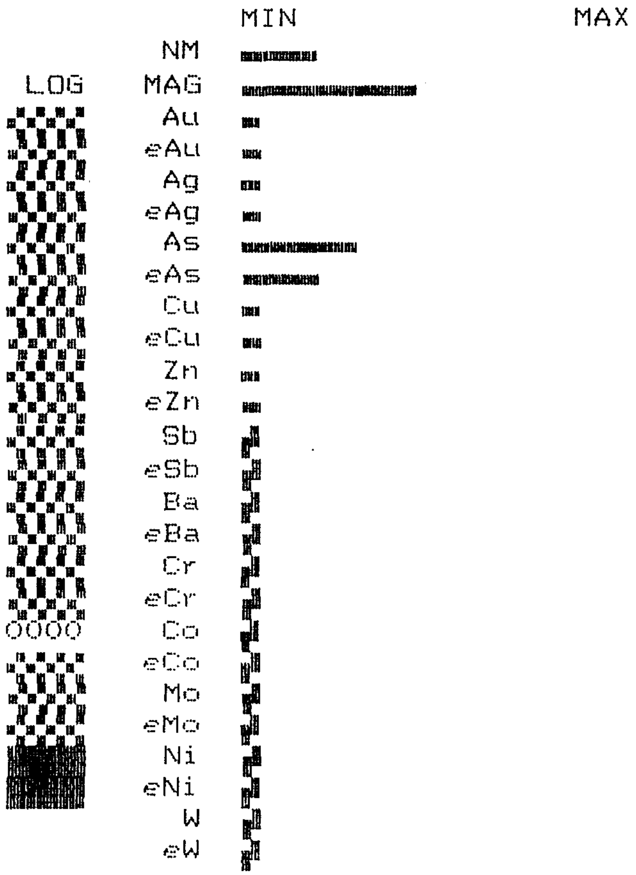
10% PYRITE

```
        mg/kg NON MAG   mg/kg MAG      VG     ASPY
             2937           2288      8.6      20

Au:  40 ng/g            cAu:  652 ng           eAu:  117 pg/g
Ag:  .7 ug/g            cAg:  11.4 ug          eAg:  2.1 ng/g
As:  185 ug7g           cAs:  3015 ug          eAs:  543 ng/g
Cu:  323 ug/g           cCu:  5265 ug          eCu:  949 ng/g
Zn:  70 ug7g            cZn:  1141 ug          eZn:  206 ng/g
Sb:  0 ug/g             cSb:  0 ug             eSb:  0 ng/g
Ba:  0 ug/g             cBa:  0 ug             eBa:  0 ng/g
Cr:  0 ug/g             cCr:  0 ug             eCr:  0 ng/g
Co:  0 ug/g             cCo:  0 ug             eCo:  0 ng/g
Mo:  0 ug/g             cMo:  0 ug             eMo:  0 ng/g
Ni:  0 ug/g             cNi:  0 ug             eNi:  0 ng/g
 W:  0 ug/g              cW:  0 ug              eW:  0 ng/g
```



O/B ENJCAR

```
                          EC-86-126

          DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
              37.75          0              0

                              14

               FROM     TO    TYPE   SS   BEDROCK
                125     130    80    10     145


          mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                2283         2192        0       0

Au: 140 ng/g          cAu: 1750 ng        eAu: 320 pg/g
Ag: .9 ug/g           cAg: 11.3 ug        eAg: 2.1 ng/g
As: 196 ug/g          cAs: 2450 ug        eAs: 447 ng/g
Cu: 268 ug/g          cCu: 3350 ug        eCu: 612 ng/g
Zn: 58 ug/g           cZn: 725 ug         eZn: 132 ng/g
Sb: 0 ug/g            cSb: 0 ug           eSb: 0 ng/g
Ba: 0 ug/g            cBa: 0 ug           eBa: 0 ng/g
Cr: 0 ug/g            cCr: 0 ug           eCr: 0 ng/g
Co: 0 ug/g            cCo: 0 ug           eCo: 0 ng/g
Mo: 0 ug/g            cMo: 0 ug           eMo: 0 ng/g
Ni: 0 ug/g            cNi: 0 ug           eNi: 0 ng/g
 W: 0 ug/g             cW: 0 ug            eW: 0 ng/g
```



0/8 ENJCAR

EC-86-126

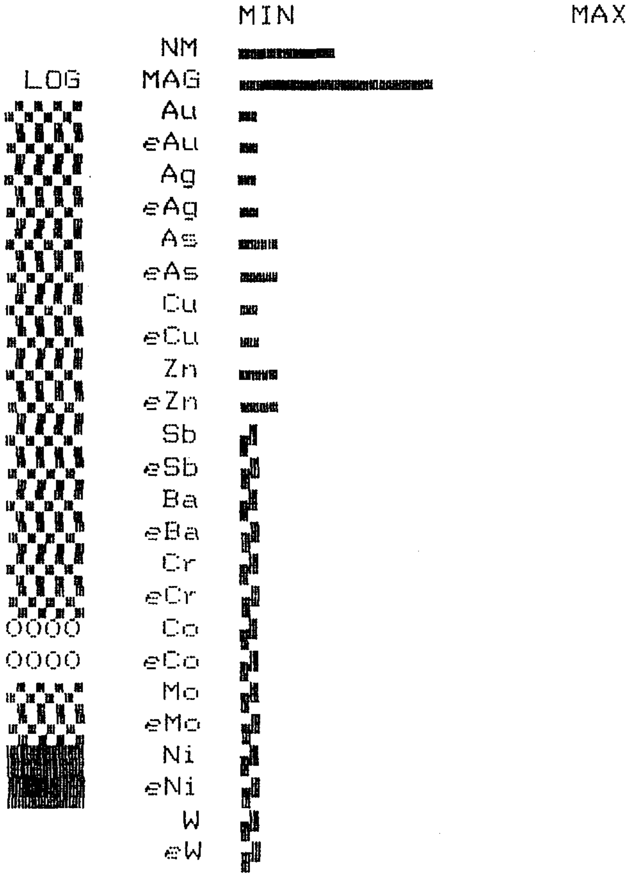
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
37.75	0	0

15

FROM	TO	TYPE	SS	BEDROCK
130	135	80	10	145

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
3042	2375	0	0

Au: 20 ng/g	cAu: 292 ng	eAu: 61 pg/g
Ag: .5 ug/g	cAg: 7.3 ug	eAg: 1.5 ng/g
As: 75 ug/g	cAs: 1095 ug	eAs: 228 ng/g
Cu: 256 ug/g	cCu: 3738 ug	eCu: 779 ng/g
Zn: 86 ug/g	cZn: 1256 ug	eZn: 262 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



O/B ENJCAR

EC-86-126

DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
37.75	0	0

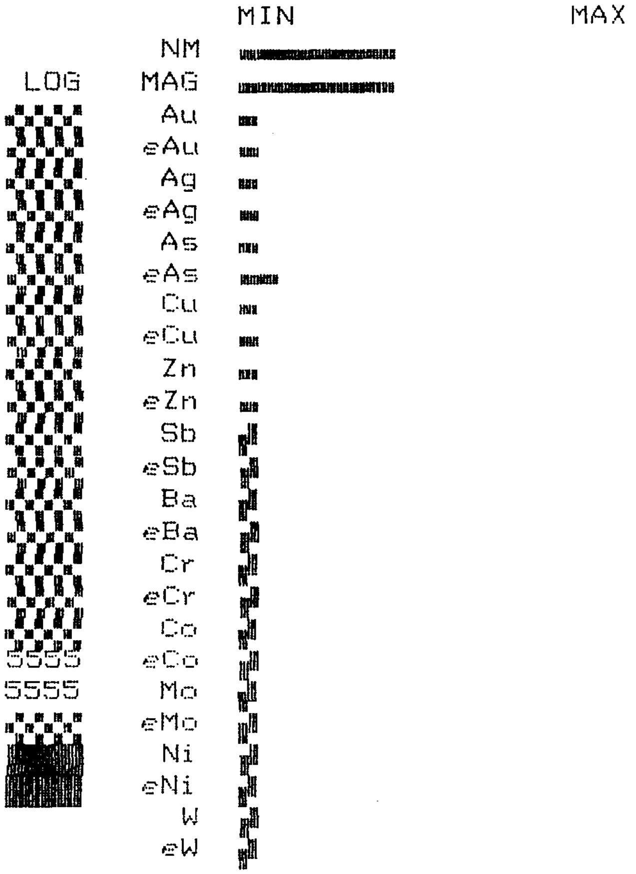
16

FROM	TO	TYPE	SS	BEDROCK
135	140	80	20	145

15% PYRITE

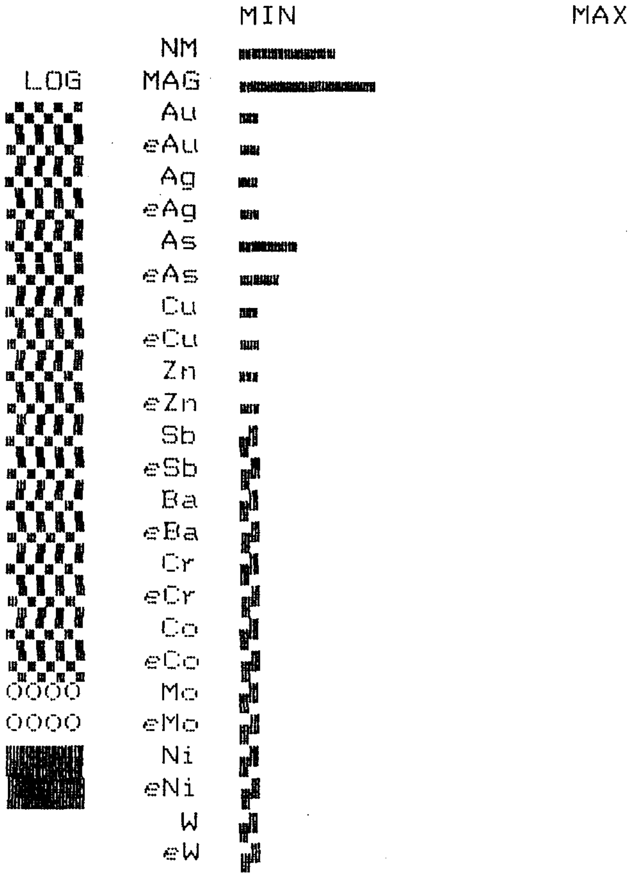
mg/kg NON MAG	mg/kg MAG	VG	MIN#2
4521	1937	8.3	0

Au: 800 ng/g	cAu: 17360 ng	eAu: 3617 pg/g
Ag: .3 ug/g	cAg: 6.5 ug	eAg: 1.4 ng/g
As: 58 ug/g	cAs: 1259 ug	eAs: 262 ng/g
Cu: 189 ug/g	cCu: 4101 ug	eCu: 854 ng/g
Zn: 41 ug/g	cZn: 890 ug	eZn: 185 ng/g
Sb: 0 ug/g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



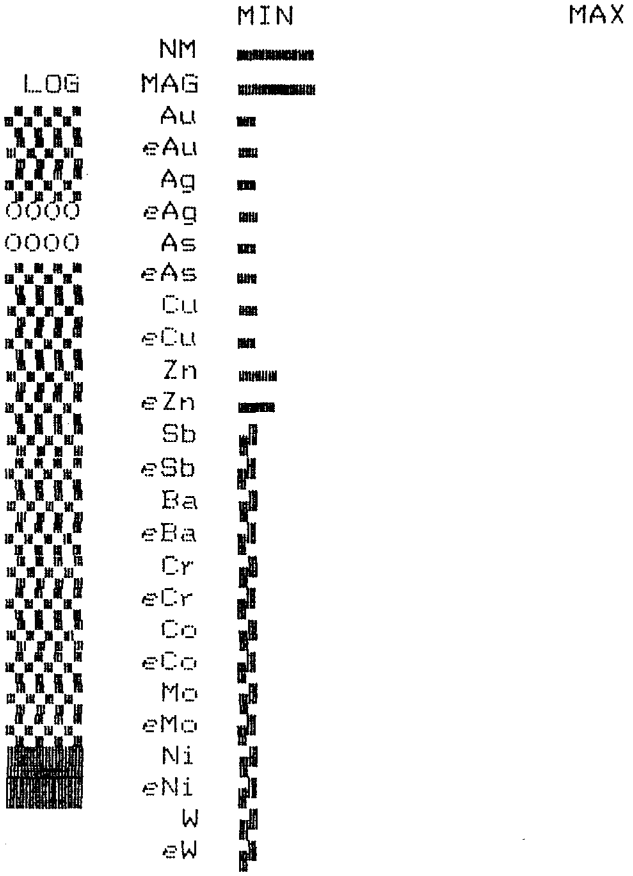
O/B ENJCAR

```
                         EC-86-126

      DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
          37.75          0             0

                            17

            FROM     TO    TYPE   SS   BEDROCK
             140     145    80    20     145


     mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
            2647          1711       0       0

Au:  60 ng/g             cAu:  798 ng        eAu:  159 pg/g
Ag:  .7 ug/g             cAg:  9.3 ug        eAg:  1.9 ng/g
As:  107 ug7g            cAs:  1423 ug       eAs:  283 ng/g
Cu:  236 ug/g            cCu:  3139 ug       eCu:  625 ng/g
Zn:  50 ug7g             cZn:  665 ug        eZn:  132 ng/g
Sb:  0 ug7g              cSb:  0 ug          eSb:  0 ng/g
Ba:  0 ug/g              cBa:  0 ug          eBa:  0 ng/g
Cr:  0 ug/g              cCr:  0 ug          eCr:  0 ng/g
Co:  0 ug/g              cCo:  0 ug          eCo:  0 ng/g
Mo:  0 ug/g              cMo:  0 ug          eMo:  0 ng/g
Ni:  0 ug/g              cNi:  0 ug          eNi:  0 ng/g
 W:  0 ug/g               cW:  0 ug           eW:  0 ng/g
```



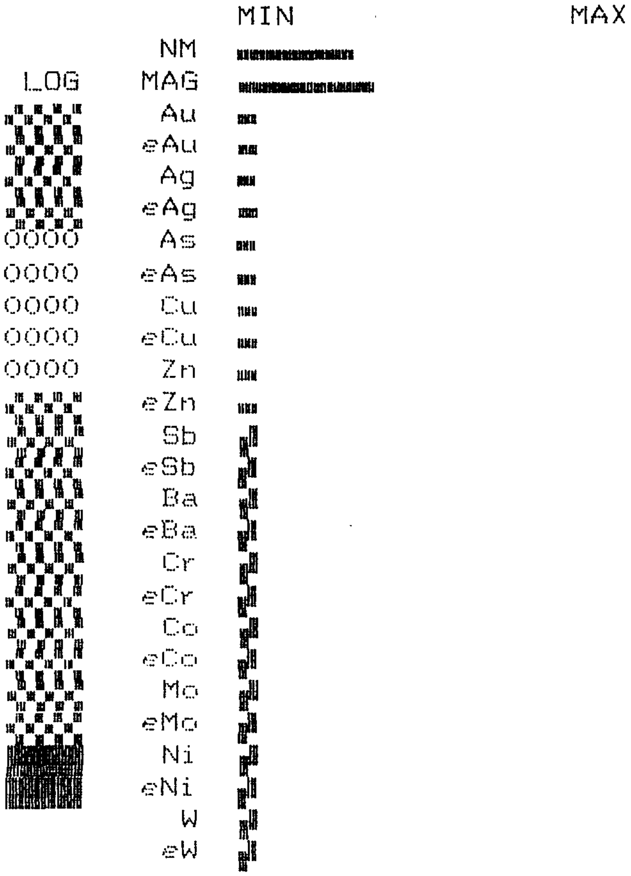
0/B ENJCAR

```
                         EC-86-141

        DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                27          6.75              0

                            O1

             FROM      TO    TYPE   SS   BEDROCK
              19       21     60    10     77


      mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
             2418          1085       0       0

 Au:  70 ng/g          cAu:  749 ng        eAu:  169 pg/g
 Ag:  .9 µg/g          cAg:  9.6 µg        eAg:  2.2 ng/g
 As:  34 µg/g          cAs:  364 µg        eAs:  82 ng/g
 Cu:  160 µg7g         cCu:  1712 µg       eCu:  387 ng7g
 Zn:  108 µg/g         cZn:  1156 µg       eZn:  261 ng/g
 Sb:  0 µg/g           cSb:  0 µg          eSb:  0 ng/g
 Ba:  0 µg/g           cBa:  0 µg          eBa:  0 ng/g
 Cr:  0 µg/g           cCr:  0 µg          eCr:  0 ng/g
 Co:  0 µg/g           cCo:  0 µg          eCo:  0 ng/g
 Mo:  0 µg/g           cMo:  0 µg          eMo:  0 ng/g
 Ni:  0 µg/g           cNi:  0 µg          eNi:  0 ng/g
  W:  0 µg/g            cW:  0 µg           eW:  0 ng/g
```



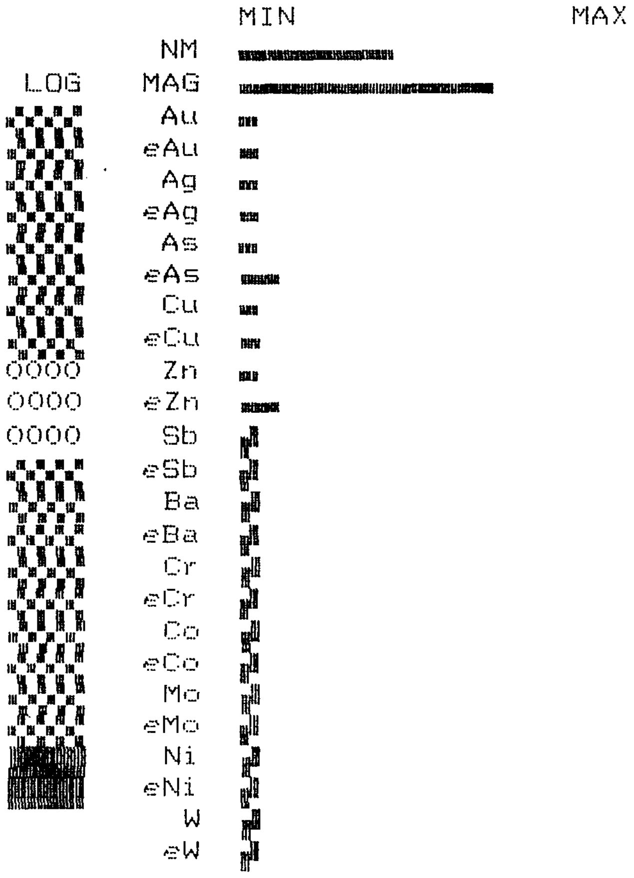
0/B ENJCAR

```
                               EC-86-141

              DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                    27           6.75               0

                                  02

                   FROM      TO    TYPE   SS   BEDROCK
                    21       35     60    10      77

             mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                   3056          1785       0       0

     Au:  10 ng/g            cAu:  149 ng         eAu:  31 pg/g
     Ag:  .4 ug/g            cAg:  6 ug           eAg:  1.2 ng7g
     As:  36 ug/g            cAs:  536 ug         eAs:  110 ng/g
     Cu:  146 ug7g           cCu:  2175 ug        eCu:  446 ng/g
     Zn:  56 ug/g            cZn:  834 ug         eZn:  171 ng/g
     Sb:  0 ug7g             cSb:  0 ug           eSb:  0 ng/g
     Ba:  0 ug/g             cBa:  0 ug           eBa:  0 ng/g
     Cr:  0 ug/g             cCr:  0 ug           eCr:  0 ng/g
     Co:  0 ug/g             cCo:  0 ug           eCo:  0 ng/g
     Mo:  0 ug/g             cMo:  0 ug           eMo:  0 ng/g
     Ni:  0 ug/g             cNi:  0 ug           eNi:  0 ng/g
      W:  0 ug/g              cW:  0 ug            eW:  0 ng/g
```



0/B ENJCAR

```
                          EC-86-141

          DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                27           6.75              0

                             03

                 FROM    TO    TYPE   SS   BEDROCK
                  35     45     60    10      77


          mg/kg NON MAG   mg/kg MAG   MIN#1   MIN#2
                4148         3052       0       0

 Au: 130 ng/g          cAu: 1820 ng          eAu: 539 pg/g
 Ag: .6 µg/g           cAg: 8.4 µg           eAg: 2.5 ng/g
 As: 48 µg/g           cAs: 672 µg           eAs: 199 ng/g
 Cu: 197 µg/g          cCu: 2758 µg          eCu: 817 ng/g
 Zn: 54 µg/g           cZn: 756 µg           eZn: 224 ng/g
 Sb: 0 µg/g            cSb: 0 µg             eSb: 0 ng/g
 Ba: 0 µg/g            cBa: 0 µg             eBa: 0 ng/g
 Cr: 0 µg/g            cCr: 0 µg             eCr: 0 ng/g
 Co: 0 µg/g            cCo: 0 µg             eCo: 0 ng/g
 Mo: 0 µg/g            cMo: 0 µg             eMo: 0 ng/g
 Ni: 0 µg/g            cNi: 0 µg             eNi: 0 ng/g
  W: 0 µg/g             cW: 0 µg              eW: 0 ng/g
```

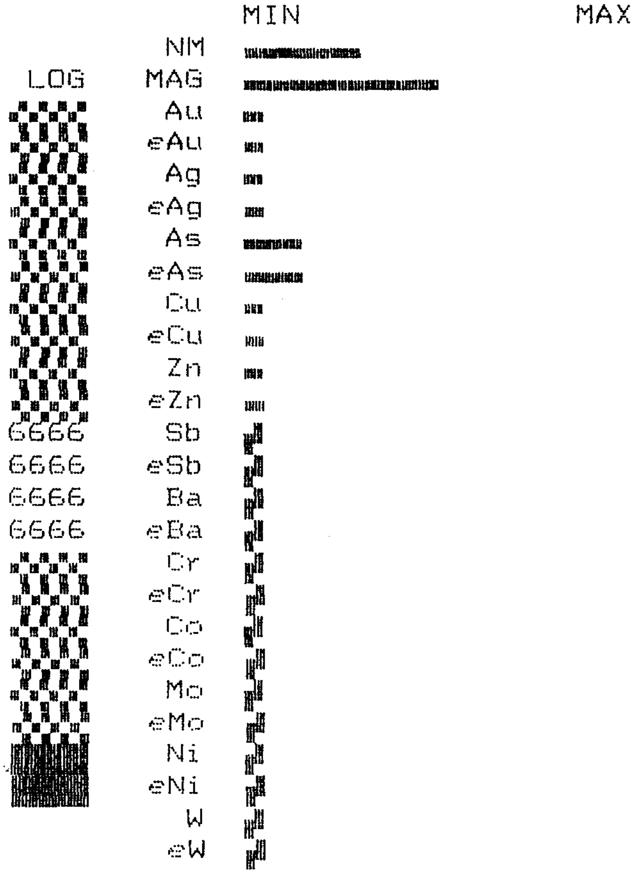


O/B ENJCAR

```
                          EC-86-141

            DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                 27           6.75            0

                             04

                  FROM     TO    TYPE   SS   BEDROCK
                   45      55     60    10      77
```

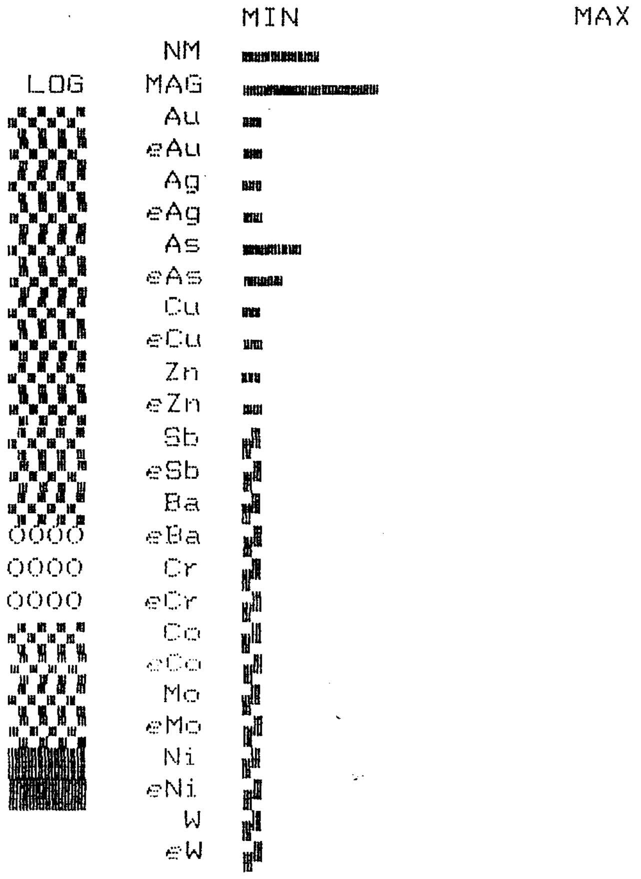
10% PYRITE 1/2% ASPY

```
         mg/kg NON MAG   mg/kg MAG      VG   MIN#2
                3074          2333     8.9      0

Au: 1640 ng/g          cAu: 27224 ng         eAu: 5041 pg/g
Ag: .3 ug/g            cAg: 5 ug             eAg: .9 ng/g
As: 121 ug7g           cAs: 2009 ug          eAs: 372 ng7g
Cu: 93 ug/g            cCu: 1544 ug          eCu: 286 ng/g
Zn: 37 ug/g            cZn: 614 ug           eZn: 114 ng/g
Sb: 0 ug7g             cSb: 0 ug             eSb: 0 ng/g
Ba: 0 ug/g             cBa: 0 ug             eBa: 0 ng/g
Cr: 0 ug/g             cCr: 0 ug             eCr: 0 ng/g
Co: 0 ug/g             cCo: 0 ug             eCo: 0 ng/g
Mo: 0 ug/g             cMo: 0 ug             eMo: 0 ng/g
Ni: 0 ug/g             cNi: 0 ug             eNi: 0 ng/g
 W: 0 ug/g              cW: 0 ug              eW: 0 ng/g
```



0/B ENJCAR

```
                              EC-86-141

           DEPARTURE(X)  LATITUDE(Y)  ELEVATION(Z)
                27          6.75             0

                                 05

                 FROM     TO    TYPE   SS   BEDROCK
                  55      65     60    10      77

          mg/kg NON MAG  mg/kg MAG  MIN#1   MIN#2
                 2353        1686      0       0

   Au:  30 ng/g          cAu:  360 ng        eAu:  71 pg/g
   Ag:  .4 µg/g          cAg:  4.8 µg        eAg:  .9 ng/g
   As:  108 µg/g         cAs:  1296 µg       eAs:  254 ng/g
   Cu:  240 µg/g         cCu:  2880 µg       eCu:  565 ng/g
   Zn:  76 µg/g          cZn:  912 µg        eZn:  179 ng/g
   Sb:  0 µg/g           cSb:  0 µg          eSb:  0 ng/g
   Ba:  0 µg/g           cBa:  0 µg          eBa:  0 ng/g
   Cr:  0 µg/g           cCr:  0 µg          eCr:  0 ng/g
   Co:  0 µg/g           cCo:  0 µg          eCo:  0 ng/g
   Mo:  0 µg/g           cMo:  0 µg          eMo:  0 ng/g
   Ni:  0 µg/g           cNi:  0 µg          eNi:  0 ng/g
    W:  0 µg/g            cW:  0 µg           eW:  0 ng/g
```



0/B ENJCAR

EC-86-141

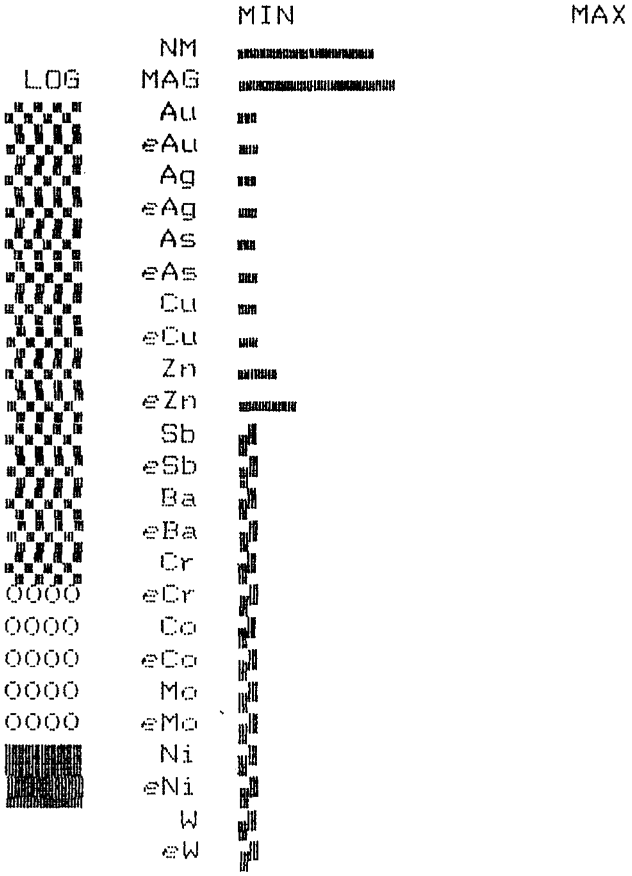
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
27	6.75	0

06

FROM	TO	TYPE	SS	BEDROCK
65	77	80	20	77

mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
3604	1937	0	0

Au: 5 ng/g	cAu: 87 ng	eAu: 18 pg/g
Ag: .3 ug7g	cAg: 5.2 ug	eAg: 1.1 ng7g
As: 54 ug/g	cAs: 934 ug	eAs: 195 ng/g
Cu: 177 ug7g	cCu: 3062 ug	eCu: 638 ng/g
Zn: 95 ug7g	cZn: 1643 ug	eZn: 342 ng/g
Sb: 0 ug7g	cSb: 0 ug	eSb: 0 ng/g
Ba: 0 ug/g	cBa: 0 ug	eBa: 0 ng/g
Cr: 0 ug/g	cCr: 0 ug	eCr: 0 ng/g
Co: 0 ug/g	cCo: 0 ug	eCo: 0 ng/g
Mo: 0 ug/g	cMo: 0 ug	eMo: 0 ng/g
Ni: 0 ug/g	cNi: 0 ug	eNi: 0 ng/g
W: 0 ug/g	cW: 0 ug	eW: 0 ng/g



O/B ENJCAR

EC-86-142

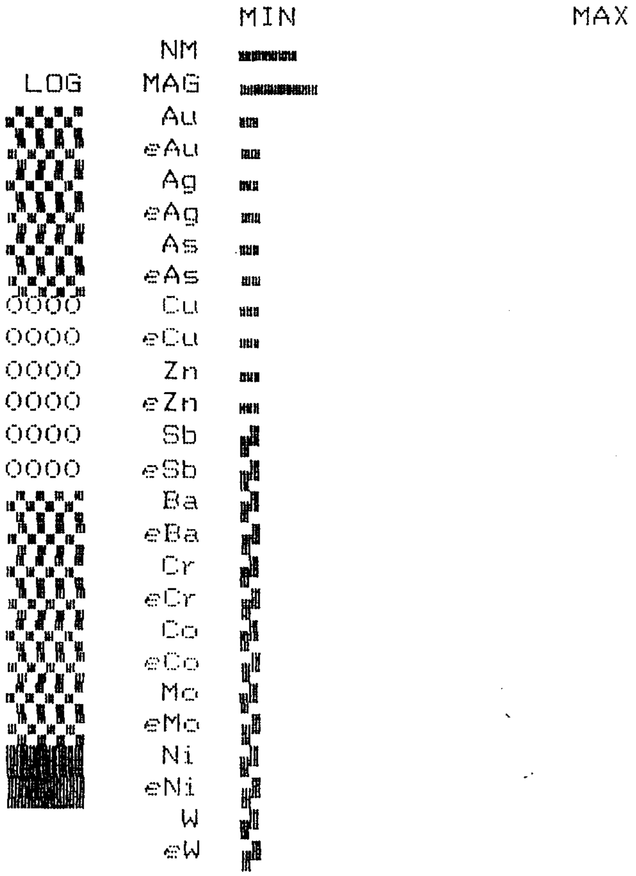
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
-27	8	0

01

FROM	TO	TYPE	SS	BEDROCK
22	35	80	10	56

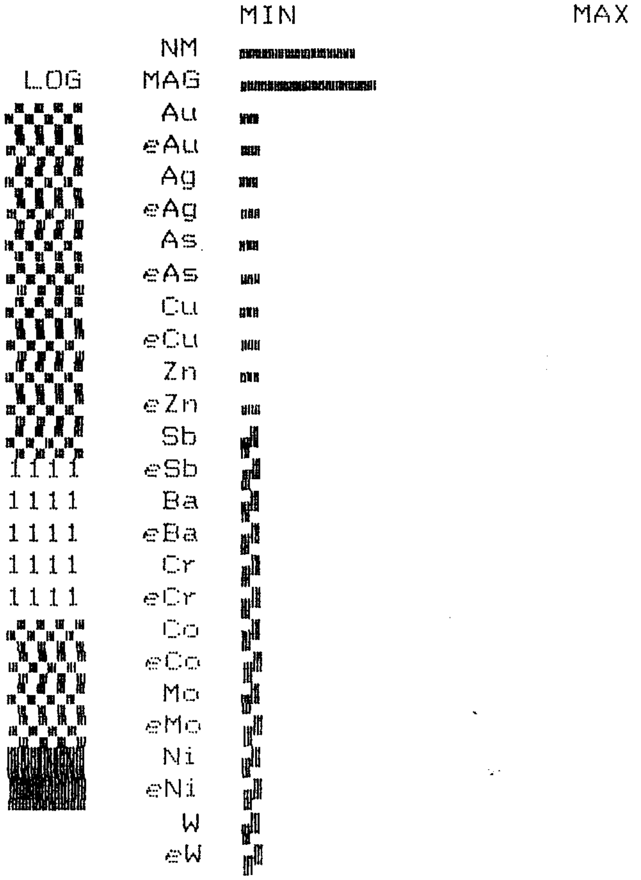
mg/kg NON MAG	mg/kg MAG	MIN#1	MIN#2
1553	1148	0	0

Au: 25 ng/g	cAu: 230 ng	eAu: 39 pg/g
Ag: .05 µg/g	cAg: .5 µg	eAg: .1 ng/g
As: 20 µg/g	cAs: 184 µg	eAs: 31 ng/g
Cu: 58 µg/g	cCu: 534 µg	eCu: 90 ng/g
Zn: 18 µg/g	cZn: 166 µg	eZn: 28 ng/g
Sb: 0 µg/g	cSb: 0 µg	eSb: 0 ng/g
Ba: 0 µg/g	cBa: 0 µg	eBa: 0 ng/g
Cr: 0 µg/g	cCr: 0 µg	eCr: 0 ng/g
Co: 0 µg/g	cCo: 0 µg	eCo: 0 ng/g
Mo: 0 µg/g	cMo: 0 µg	eMo: 0 ng/g
Ni: 0 µg/g	cNi: 0 µg	eNi: 0 ng/g
W: 0 µg/g	cW: 0 µg	eW: 0 ng/g



O/B ENJCAR

```
                         EC-86-142

     DEPARTURE(X)   LATITUDE(Y)   ELEVATION(Z)
         -27              8              0

                            O2

             FROM      TO     TYPE    SS    BEDROCK
              35       45      60     10       56


     mg/kg NON MAG   mg/kg MAG      VG    MIN#2
           3118           1849      1.7      0

Au:  250 ng/g          cAu:  3625 ng         eAu:  780 pg/g
Ag:  .05 ug/g          cAg:  .7 ug           eAg:  .2 ng/g
As:  7 ug/g            cAs:  102 ug          eAs:  22 ng/g
Cu:  48 ug/g           cCu:  696 ug          eCu:  150 ng/g
Zn:  18 ug/g           cZn:  261 ug          eZn:  56 ng/g
Sb:  0 ug/g            cSb:  0 ug            eSb:  0 ng/g
Ba:  0 ug/g            cBa:  0 ug            eBa:  0 ng/g
Cr:  0 ug/g            cCr:  0 ug            eCr:  0 ng/g
Co:  0 ug/g            cCo:  0 ug            eCo:  0 ng/g
Mo:  0 ug/g            cMo:  0 ug            eMo:  0 ng/g
Ni:  0 ug/g            cNi:  0 ug            eNi:  0 ng/g
 W:  0 ug/g             cW:  0 ug             eW:  0 ng/g
```



O/B ENJCAR

EC-86-142

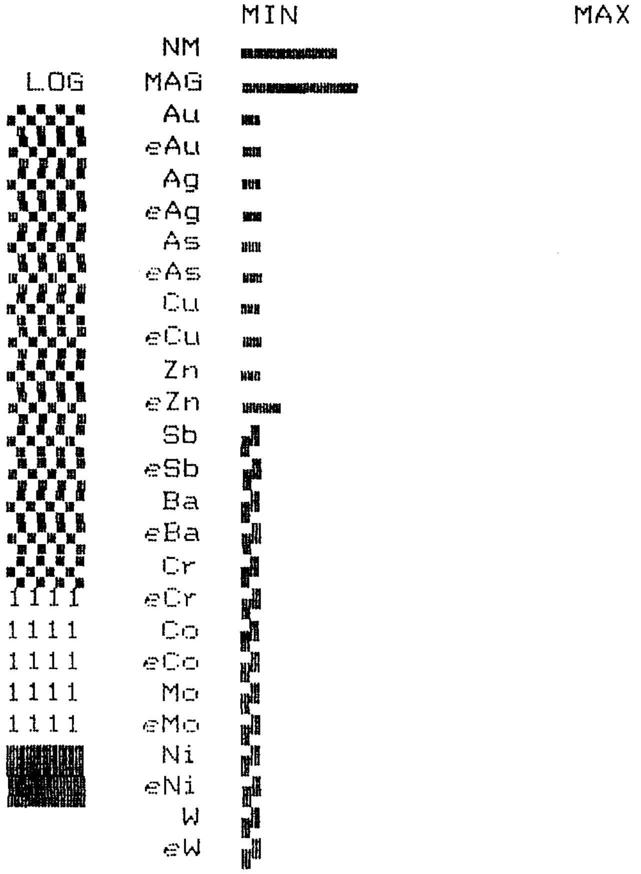
DEPARTURE(X)	LATITUDE(Y)	ELEVATION(Z)
-27	8	0

03

FROM	TO	TYPE	SS	BEDROCK
45	56	60	20	56

mg/kg NON MAG	mg/kg MAG	VG	MIN#2
2854	1497	1.9	0

Au:	210 ng/g	cAu:	2562 ng	eAu:	599 pg/g
Ag:	.3 μg/g	cAg:	3.7 μg	eAg:	.9 ng/g
As:	56 μg/g	cAs:	683 μg	eAs:	160 ng/g
Cu:	233 μg/g	cCu:	2843 μg	eCu:	665 ng/g
Zn:	80 μg/g	cZn:	976 μg	eZn:	228 ng/g
Sb:	0 μg/g	cSb:	0 μg	eSb:	0 ng/g
Ba:	0 μg/g	cBa:	0 μg	eBa:	0 ng/g
Cr:	0 μg/g	cCr:	0 μg	eCr:	0 ng/g
Co:	0 μg/g	cCo:	0 μg	eCo:	0 ng/g
Mo:	0 μg/g	cMo:	0 μg	eMo:	0 ng/g
Ni:	0 μg/g	cNi:	0 μg	eNi:	0 ng/g
W:	0 μg/g	cW:	0 μg	eW:	0 ng/g



APPENDIX E

Report: Petrographic Analyses

BAK
856

PETROGRAPHIC REPORT
ON "EC-86"
DRILL CHIP SAMPLES
FOR MPH TORONTO

BY
J.S. GETSINGER, PhD.

Sept. 16, 1986

PETROGRAPHIC REPORT

by J.S. Getsinger, PhD J.S. Getsinger

For MPH - Toronto

Date August 1986

Project V99-TO-EC

Collector

Sample EC-86-02-04

Date Collected 1986

Rock Type: Actinolitic hornblende amphibolite

Hand Specimen: Drill chips up to 1 cm. Looks like amphibolite. Dark greenish-grey crystalline rock with prismatic crystal grains <0.5 by 2 mm in random metamorphic(?) texture. Minor disseminated pyrite (<1%). Local reaction of white vein mineral in HCl. Possibly weakly foliated.

Thin Section (Polished No):

% (Approx.)	Minerals
25-40%	Actinolitic Hornblende: Z' to C = 10°; X = pale yellow, Y = green, Z = bluish green, (Z = Y>X); (-)2V = 75-85°. Birefringence = 0.023. Radiating prismatic, idiomorphic to subidiomorphic grains in mainly random pattern with some orientation.
10%	Plagioclase Feldspar(?): Low birefringence, low relief, untwinned, with quartz.
<2%	Biotite: Reddish-brown.
10-20%	Chlorite: Low birefringence, parallel extinction, yellow to green pleochroism.
Trace	Epidote: (?) yellow pleochroism, medium-high relief.
2-3%	Opaques: Fine-grained, finely disseminated.
5-20%	Quartz: As veins and fine-grained aggregates.
<5%	Calcite: As late alteration on veins.

Rock Textures/Structures: Weak metamorphic foliation and compositional layering, but mostly random recrystallization of hornblende.

Protolith: Calc-silicate volcaniclastic or volcanic.

Alteration/Mineralization: Finely disseminated opaques are pyrite (in part).

Conditions of Formation: Metamorphism to edidote-amphibolite or amphibolite facies.

PETROGRAPHIC REPORT by J.S. Getsinger, PhD J.S. Getsinger

For MPH - Toronto

Date August 1986

Project V99-TO-EC

Collector

Sample EC-86-04-02

Date Collected 1986

Rock Type: Volcanics and volcaniclastics

Hand Specimen: Drill chips up to 1 cm. Medium-grey, fine-grained with sparse pyrite associated with calcite veins. Local reaction to HCl. Locally magnetic: pyrrhotite and/or magnetite.

Thin Section (Polished No):

% (Approx.)	Minerals
30%	Plagioclase: Euthedral laths with common Carlsbad and some albite twins, saussuritized, maybe partly replaced by clinozoisite.
2-5%	Opaques: Finely disseminated; pyrite, pyrrhotite(?), magnetite(?).
65-70%	Groundmass: Fine-grained quartz(?), feldspar, opaque dust, calcite, sericite.
	(5%) Chlorite: Pale green pleochroic, possibly replacing former mafic minerals.

Veins:

80%	Calcite.
15%	Quartz.
Local	Tourmaline: E = pale brown, O = bluish green to olive brown; O>E.
	Muscovite: Colourless, high birefringent mica.
	Chlorite.

Rock Textures/Structures: Original porphyritic volcanic texture is superimposed by carbonate ± silica alteration.

Protolith: Felsic to intermediate volcanic or crystal tuff.

Alteration/Mineralization: Disseminated sulphides ± magnetite; carbonate veins and alteration; silicification(?); tourmaline in carbonate veins.

Conditions of Formation: Volcanic origin with later carbonate/quartz vein alteration.

PETROGRAPHIC REPORT by J.S. Getsinger, PhD J.S. Getsinger

For MPH - Toronto

Date August 1986

Project V99-TO-EC

Collector

Sample EC-86-10-08

Date Collected 1986

Rock Type: Hornblende amphibolite, calc-silicate, and quartz-biotite schist

Hand Specimen: Drill chips up to 1 cm. Dark greenish-grey amphibolite. Grain size <0.5 to 1 or 2 mm, 80%. Calcite vein material, reacts strongly in HCl, 10%. Lighter green, possibly calc-silicate rock, and minor quartz-mica schist, 10%. Rare grains of pyrite and/or pyrrhotite are weakly magnetic.

Thin Section (Polished No):

% (Approx.)	Minerals
Amphibolite:	
35-50%	Hornblende: Subhedral, elongate prismatic amphibole. X = yellow, Y = green, Z = bluish-green, Z = Y>X; Z' to C = 16°; birefringence = 0.025; (-)2V = 80-85%, r>v.
<5%	Epidote: Replaces hornblende.
5%	Biotite: Red-brown.
5-10%	Chlorite: Replaces biotite or hornblende.
2%	Opaques, finely disseminated.
10%(?)	Plagioclase: (?).
10-15%	Quartz: Interstitial.
<5%	Calcite: In veins.

Quartz-Biotite Schist:

30-40%	Biotite, red-brown.
15-25%	Chlorite, after biotite.
5%	Epidote.
25-30%	Quartz ± feldspar.
2-3%	Opaques, finely disseminated.

Textures: Weakly foliated chlorite replaces biotite.

Rock Textures/Structures: Somewhat foliated. Minerals are metamorphic.

Protolith: Mafic volcanic or volcaniclastic, or marl.

Alteration/Mineralization: Disseminated sulphides(?); calcite veins.

Conditions of Formation: Metamorphism to amphibolite facies.

PETROGRAPHIC REPORT by J.S. Getsinger, PhD J.S. Getsinger

For MPH - Toronto **Date** August 1986

Project V99-TO-EC **Collector**

Sample EC-86-18-02 **Date Collected** 1986

Rock Type: Calcite-altered cherty tuff or calc-silicate sedimentary sequence

Lithogeochemistry: ICP: Ca, 5.41% (approximately); Fe, 8.34%; 2250 ppm Mn

Hand Specimen: Drill chips up to 1 cm. Medium-greenish grey, fine-grained. Reacts actively in HCl. Finely foliated. Abundant, tiny (0.1 mm?), light-coloured cleavage faces. Some calcite veinlets.

Thin Section (Polished No):

% (Approx.)	Minerals
(Proportions vary due to compositional layering(?) in rock.)	
30-50%	Quartz: Fine-grained mosaic.
30%	Calcite: Uniaxial(-), fizzes in HCl; locally pseudomorphs feldspar?
10-20%	Chlorite: Pale green pleochroic to darker green.
<5%	Muscovite/sericite.
Trace	Feldspar: Relict blocky grains.
2-3%	Opaques: Finely disseminated.

Rock Textures/Structures: Compositional layering, moderate foliation; replacement textures.

Protolith: Cherty tuff or marly sediment.

Alteration/Mineralization: Disseminated sulphides. Extensive carbonate alteration.

Conditions of Formation: Deposition in volcanic/sedimentary environment, followed by metamorphism, possibly deformation.

MPH

PETROGRAPHIC REPORT by J.S. Getsinger, PhD J.S. Getsinger

For MPH - Toronto **Date** August 1986

Project V99-TO-EC **Collector**

Sample EC-86-22-08 **Date Collected** 1986

Rock Type: Chloritic phyllite and greenstone

Hand Specimen: Drill chips up to 1.5 cm. Fine-grained, greyish-green, foliated rock with small vugs (<1 mm). Texture is somewhat like phyllite, with micaceous cleavage. Sample does not react in HCl. Finely disseminated pyrite(?) is visible in some places.

Thin Section (Polished No):

% (Approx.)	Minerals
45-55%	Quartz: Fine-grained, mosaic.
30-40%	Chlorite: Pale green, dark green locally.
<5%	Sericite: After feldspar(?).
<5%	Carbonate: After feldspar(?).
Trace	Feldspar(?): Untwinned.
5-10%	Opaques, finely disseminated, including dark brown alteration products (hematite(?), goethite).
Trace	Epidote.

Rock Textures/Structures: Compositional layering, foliation defined by chlorite.

Protolith: Probably volcaniclastic, volcanic greywacke to siltstone.

Alteration/Mineralization: Finely disseminated pyrite(?).

Conditions of Formation: Metamorphism to low greenschist facies of originally sedimentary or tuffaceous rock.

MPH

PETROGRAPHIC REPORT by J.S. Getsinger, PhD J.S. Getsinger

For MPH - Toronto **Date** August 1986

Project V99-TO-EC **Collector**

Sample EC-86-35-04 **Date Collected** 1986

Rock Type: Altered volcanics with sulphides; chert

Lithogeochemistry: ICP: 30 ppm As, 3.5 ppm Cd, 10.33% Fe, 2532 ppm Zn (indicates possible sphalerite)

Hand Specimen: Drill chips up to 2 cm. About 25% of grains are magnetic. Rock is fine-grained, light grey, with up to 10-15% sulphides - pyrite, pyrrhotite(?), (?) (black metallic, non-magnetic). Some vuggy sulphide textures. No reaction to HCl. Quartz grains up to 2 mm suggest rhyolitic composition.

Thin Section (Polished No):

% (Approx.)	Minerals
1 Grain	Massive pyrite/pyrrhotite(?) with interstitial pale chlorite.
2 Grains	Chert(?): Fine-grained quartz mosaic, with minor carbonate.
Rest	Altered volcanic or tuffaceous rock.
10-15%	Opaques: Disseminated, anhedral.
15-20%	Feldspar laths, altered to fine-grained aggregate of saussurite(?) (calcite ± epidote ± sericite).
10-20%	Chlorite(?): Low birefringence, very pale green phyllosilicate.
<5%	Clinopyroxene phenocrysts(?), altered.
<5%	Sericite ± clay minerals.
Trace	Calcite and/or Sphene.
5-10%	Quartz: Very fine-grained, in groundmass.
20-30%	Brownish alteration product, fine-grained, covers most of groundmass; may be from devitrified glass.

Rock Textures/Structures: Previously porphyritic volcanic texture is nearly obliterated by alteration.

Protolith: Felsic volcanic or volcaniclastic.

Alteration/Mineralization: Rock is completely saussuritized(?), or altered to fine-grained, high relief, feldspar replacement minerals.

Conditions of Formation: Volcanic/sedimentary environment of deposition. Hydrothermal alteration.

MPH

PETROGRAPHIC REPORT by J.S. Getsinger, PhD J.S. Getsinger

For MPH - Toronto
Date August 1986
Project V99-TO-EC
Collector
Sample EC-86-36-03
Date Collected 1986

Rock Type: Meta-ultramafic.

Lithogeochemistry: ICP: 635 ppm Cr, 5.61% Fe, 4.70% Mg, 276 ppm Ni.

Hand Specimen: Drill chips up to 6 mm. Light to medium greenish-grey grains. Non-magnetic. Soft (H<2.5) locally. No reaction in HCl. Grain size: approximately 1 mm or less; some grains show elongate cleavage faces.

Thin Section (Polished No):

% (Approx.)	Minerals
5-10%	Carbonate: High birefringence, relief, U(-).
10-15%	Tremolite: Colourless clinoamphibole, birefringence to 0.021.
40%	Serpentine(?) and/or Chlorite: Pale green, low birefringence phyllosilicate.
(10-20%)	Pyroxene-Orthopyroxene: Low birefringence, large blocky pseudomorphs, mostly replaced by talc + tremolite + serpentine in semi-bastite like texture.
20-25%	Talc: High birefringent colourless mica, random.
Trace	Clinopyroxene(?).
<2%	Opaques.

Rock Textures/Structures: Previous coarse crystalline granular texture is overprinted by randomly recrystallized metamorphic minerals.

Protolith: Ultramafic such as pyroxenite.

Alteration/Mineralization: Carbonatization(?).

Conditions of Formation: Thermal metamorphism of serpentinized ultramafic.

PETROGRAPHIC REPORT by J.S. Getsinger, PhD J.S. Getsinger

For MPH - Toronto
Date August 1986
Project V99-TO-EC
Collector
Sample EC-86-37-04
Date Collected 1986

Rock Type: Metamorphosed mafic to ultramafic rock

Hand Specimen: Drill chips up to 1 cm, various colours. 20% Dark grey, graphitic sericite phyllite, with associated pyrite cubes in rusty aggregates. 80% rust-spotted, light greenish-grey, soft (H<2), fine-grained talc(?) schist. No reaction to HCl; non-magnetic.

Thin Section (Polished No):

% (Approx.)	Minerals
20% Graphitic Phyllite:	
	Opaque dust (25%), quartz (60%), muscovite (10%), feldspar(?).
<5% Massive sulphide/quartz vein.	
70% Meta-ultramafic(?):	
10%	Quartz.
5-10%	Opaques: Disseminated.
50%	Chlorite/Serpentine: Low birefringence, palest green, parallel extinction.
10-15%	Talc(?) and/or Clay Minerals: Higher birefringent, finer grained.
Trace	Sphene.
<5% Amphibolite:	
	Actinolite: Pale green.
	Plagioclase.

Rock Textures/Structures: Metamorphic recrystallization, random.

Protolith: Mafic to ultramafic rock.

Alteration/Mineralization: Metamorphism, serpentinization; disseminated and vein sulphide mineralization; quartz may be secondary.

Conditions of Formation: Low grade thermal metamorphism/hydrothermal alteration.

PETROGRAPHIC REPORT by J.S. Getsinger, PhD J.S. Getsinger

For	MPH - Toronto	**Date**	August 1986
Project	V99-TO-EC	**Collector**	
Sample	EC-86-44-06	**Date Collected**	1986

Rock Type: Metamorphosed mafic volcanic(?) rock (amphibolite)

Hand Specimen: Drill chips up to 1 cm. Dark grey, fine-grained, crystalline rock with local calcite veinlets; host rock does not react to HCl. Some chips are graphitic phyllite, with cleavage, possibly from a fault zone. Most look like fine amphibolite.

Thin Section (Polished No):

% (Approx.)	Minerals
40-60%	Amphibole, actinolitic, radiating; pale bluish-green to yellow.
10-15%	Chlorite.
10%(?)	Quartz.
10-15%	Plagioclase; interstitial to amphibole, poorly twinned.
Trace	Epidote(?).
5-10%	Opaque dust, varying amounts, and finely disseminated grains, probably graphite ± sulphides.

Rock Textures/Structures: Radiating texture of amphibole. Network of graphitic fractures. Local kink-fold postdates amphibole.

Protolith: Mafic volcanic(?) rock, or intrusive.

Alteration/Mineralization: Amphibole replaces former mafic minerals. Opaques may include finely-disseminated sulphides.

Conditions of Formation: Greenschist facies metamorphism.

MPH

PETROGRAPHIC REPORT by J.S. Getsinger, PhD J. S. Getsinger

For MPH - Toronto **Date** August 1986

Project V99-TO-EC **Collector**

Sample EC-86-83-06 **Date Collected** 1986

Rock Type: Silicic felsic porphyry

Hand Specimen: Drill chips up to 1 cm. Pale grey, finely crystalline, with euhedral feldspar laths up to 3 mm. Finely disseminated pyrite, and common sericite(?). Weak reaction to HCl. Non-magnetic. Feldspar is twinned, and may be plagioclase.

Thin Section (Polished No):

% (Approx.)	Minerals
20-25%	K-feldspar (Alkali): Euhedral phenocrysts altered to sericite, Carlsbad and tartan twinning.
5%	Plagioclase: Smaller grains, albite twinning, also sericitized.
10-20%	Muscovite ± sericite.
40%	Quartz: Fine-grained mosaic in groundmass.
<5%	Biotite: Olive to brown.
Trace	Epidote.
<1%	Sphene?
<1%	Apatite.
<5%	Calcite.
1%	Opaques: Finely disseminated.

Rock Textures/Structures: Porphyritic texture with alkali feldspar phenocrysts is overprinted by sericite and surrounded by quartz mosaic.

Protolith: Rhyolitic porphyry.

Alteration/Mineralization: Hydrothermal alteration accompanied by some silicification.

Conditions of Formation: Felsic porphyry formed in subabyssal or volcanic environment; hydrothermally altered, silicified.

PETROGRAPHIC REPORT by J.S. Getsinger, PhD J.S. Getsinger

For MPH - Toronto
Date August 1986
Project V99-TO-EC
Collector
Sample EC-86-92-15B
Date Collected 1986

Rock Type: Mixed, including hornblende amphibolite.

Hand Specimen: Drill chips up to 1.5 cm. Greenish-grey, fine to medium-grained crystalline rock with sulphur-yellow clay alteration and sulphides (pyrite, pyrrhotite?) (magnetic in part). Rocks are a variety of altered intrusives and amphibolite.

Thin Section (Polished No):

% (Approx.)	Minerals
10-30%	Hornblende: X = yellow, Y = green, Z = blue-green.
10-15%	Quartz: Mostly fine-grained mosaic. Some in veins.
5-15%	Epidote: Yellow pleochroic; Secondary after mafic minerals, probably phenocrysts.
10-20%	Plagioclase: Albite twinning; small or large grains.
1-2%	Sphene.
10-40%	Biotite: Pale yellow to dark olive green.
<5%	Opaques: Sulphides such as pyrite, pyrrhotite, visible in hand specimen; possible magnetite.

Veins	Quartz-Amphibole: Pale green, actinolitic amphibole in quartz vein material.

1 Chip	Amphibolite
90%	Hornblende: X = pale yellow, Y = green, Z = blue-green. Zoned paler to darker green. Random texture.
10%	Feldspar ± Quartz: Interstitial.
<1%	Opaques.

Rock Textures/Structures: Compositional variation and weak layering, and possible foliation.

Protolith: Quartz-bearing, mafic calc-silicate sediments or volcanic and/or volcaniclastic rocks.

Alteration/Mineralization: Quartz-amphibole veining; disseminated sulphides.

Conditions of Formation: Metamorphic to upper greenschist/lower amphibolite facies and/or hydrothermal alteration.

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Chemex Labs Ltd.

•Analytical Chemists •Geochemists •Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
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Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

CERTIFICATE OF ANALYSIS

TO : ROSSBACHER LABORATORY LIMITED

2225 SOUTH SPRINGER AVENUE
BURNABY, B.C.
V5B 3N1

CERT. # : A8616935-001-A
INVOICE # : I8616935
DATE : 3-SEP-86
P.O. # : NONE
0575

Sample description	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm		
EC-86-18-02 BAR	3.69	0.4	20	20	<0.5	<2	5.41	<0.5	26	48	66	8.34	20	0.08	<10	1.85	2250	<1	<0.01	23	730	26	<10	23	0.04	<10	<10	202	<10	112	--	--
EC-86-35-04	1.85	0.4	30	10	<0.5	<2	0.35	3.5	43	128	146	10.33	<10	0.04	<10	1.35	1375	<1	0.03	53	230	16	<10	2	0.07	<10	<10	120	<10	2532	--	--
EC-86-36-03	3.02	0.2	10	<10	<0.5	<2	0.93	<0.5	40	382	70	5.11	10	<0.01	<10	4.70	552	<1	<0.01	276	360	6	<10	9	0.02	<10	<10	109	<10	94	--	--

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Certified by ..Hart Bichler..

V03 rev. 11/85

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