

**1994 ASSESSMENT REPORT**

**HYLAND PROPERTY  
(VER1 TO 262, CJ1 TO 154 MINERAL CLAIMS)**

**GEOLOGICAL MAPPING, LITHOGEOCHEMICAL SAMPLING,  
STREAM SEDIMENT SAMPLING, SOIL SAMPLING  
AND AIRBORNE GEOPHYSICAL SURVEYS**

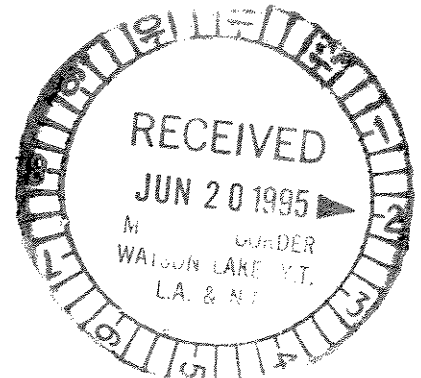
**DATES WORKED: JUNE 2 TO OCTOBER 10, 1994**

**WATSON LAKE MINING DISTRICT  
NTS MAP AREAS 95D/05, 95D/12  
LATITUDE 60° 30'00" N, LONGITUDE 127° 53'00" W**

**CLAIM OWNER  
WESTMIN RESOURCES LIMITED**

**OPERATOR  
WESTMIN RESOURCES LIMITED**

**REPORT BY  
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**JUNE 19, 1995**

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## **1.0 SUMMARY**

The Hyland project is made up of 416 mineral claims located approximately 70 kilometres northeast of Watson Lake. The property surrounds the area of the Hyland gold deposit. The Hyland gold deposit is sediment-hosted with possible reserves of 6.75 million tonnes grading 2.0 g/t gold. The property also adjoins the McMillan property which host manto-like massive sulphide deposits. The McMillan reserves are estimated at 1.1 million tonnes at 8.5% zinc, 4.1% lead and 62 g/t silver.

During the period between May and October 1994 three phases of mineral exploration were carried out on the Hyland property.

### **Phase I**

An airborne EM, Mag/VLF and radiometrics geophysical survey was completed by DIGHEM. A total of 542 line-kilometres was flown between June 2 and 3, 1994.

A geological and geochemical survey was completed during the period July 31 to August 3, 1994. Over twenty kilometres of grid line was established using a hipchain and compass. These lines were soil sampled at 75 metre intervals.

### **Phase II**

A total of fifteen kilometres of line was cut and chained to establish grid control. This was done during September 3 to 10, 1994. These lines were soil sampled at 24 metre intervals and property wide geological mapping was completed. This sampling work was carried out from September 2 to 21, 1994.

### **Phase III**

During September 29 to October 10, 1994 an intensive sampling and mapping program was carried out on Pyrite Creek.

The results of the field exploration program are extremely encouraging. The work has identified an area immediately to the south of the Hyland deposit with anomalous gold and arsenic. The results of the airborne geophysical survey suggests that the EM and magnetic responses weaken to the south of the Hyland deposit in the area of the anomalous soil geochemistry.

Several other significant anomalous silt and float geochemical anomalies remain unexplained.

## 2.0 INTRODUCTION

### 2.1 Geography, Physiography and Access

The Hyland property is centred about 68 kilometres northeast of Watson Lake, Yukon Territory (Figure 1). The property is within mineral claim sheets 95D/05 and 95D/12 and is centred at latitude 60° 30'00" N, longitude 127° 53'00" W. The property was accessed by helicopter from a base camp at Quartz Lake, or by helicopter directly from Watson Lake.

The Hyland property lies between 910 and 1,805 metres above sea level with moderate to gentle slopes. Treeline is at approximately 1,375 metres above sea level. Generally open pine forest covers the property below treeline. Locally thick patches of willow and alder are present along creeks. Above treeline the property is open with grassy slopes and unvegetated rocky areas.

### 2.2 Property Description

The Hyland property consists of 416 contiguous mineral claims, the VER 1-262 and the CJ 1-154 claims. The claims are shown on Figure 2 and are tabulated below. The expiry dates shown are those in effect prior to the current exploration work being applied as assessment.

Name	Grant No.	Expiry Date	Owner
VER 1-262	YB49031-YB49292 inclusive	05/27/1995	Westmin Resources Limited
CJ 1-140	YB55638-YB55777 inclusive	09/01/1995	Westmin Resources Limited
CJ 141-154	YB56194-YB56207 inclusive	09/19/1995	Westmin Resources Limited

The current exploration program was operated by Westmin Resources Limited.

### 2.3 Exploration History

The region surrounding the Hyland property has been intermittently explored for placer gold and base metals since 1892 when prospectors from the Cassiar gold fields reportedly discovered the McMillan lead-zinc-silver occurrence (Bremner, 1990).

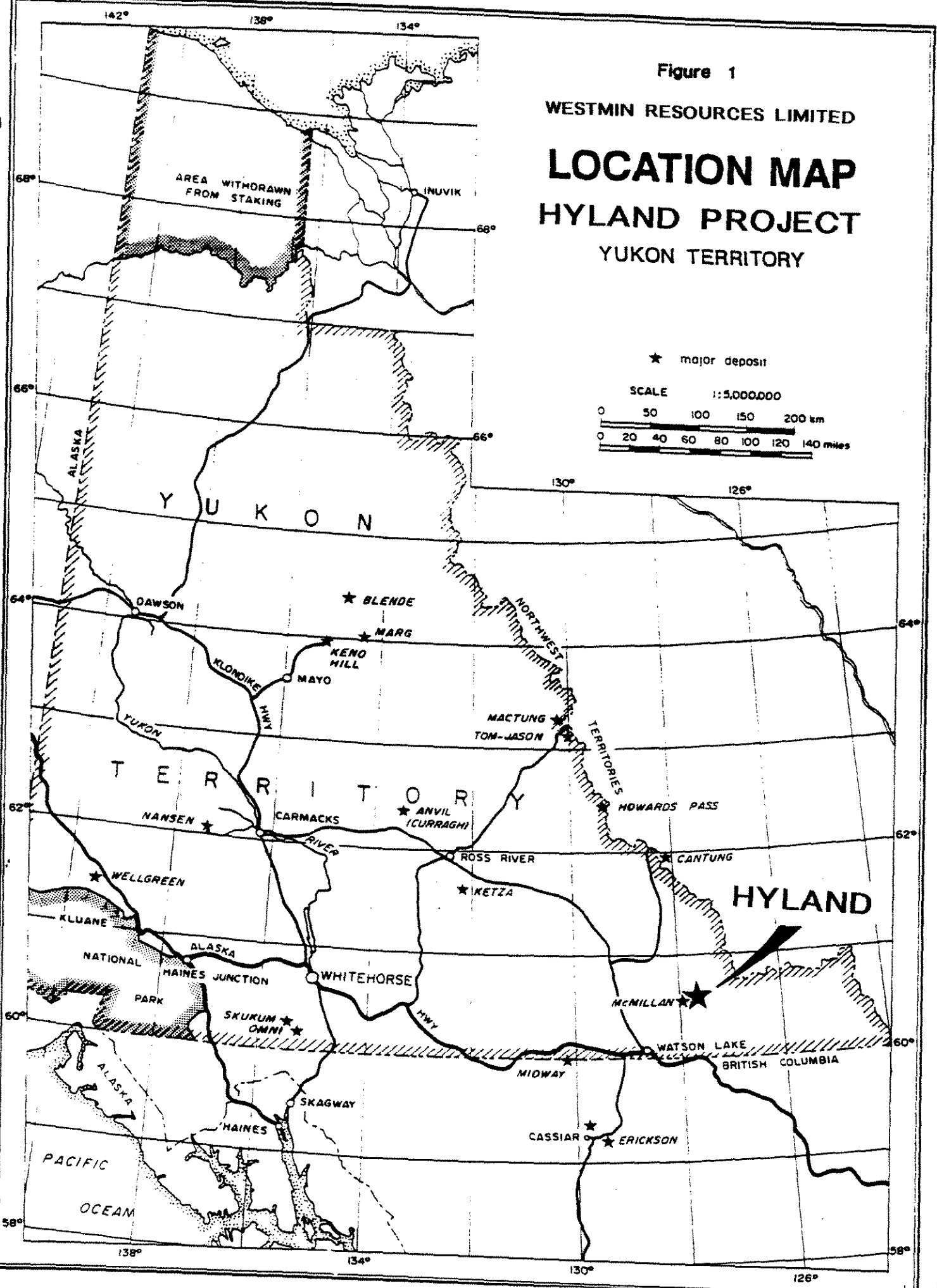
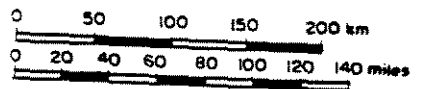
Figure 1

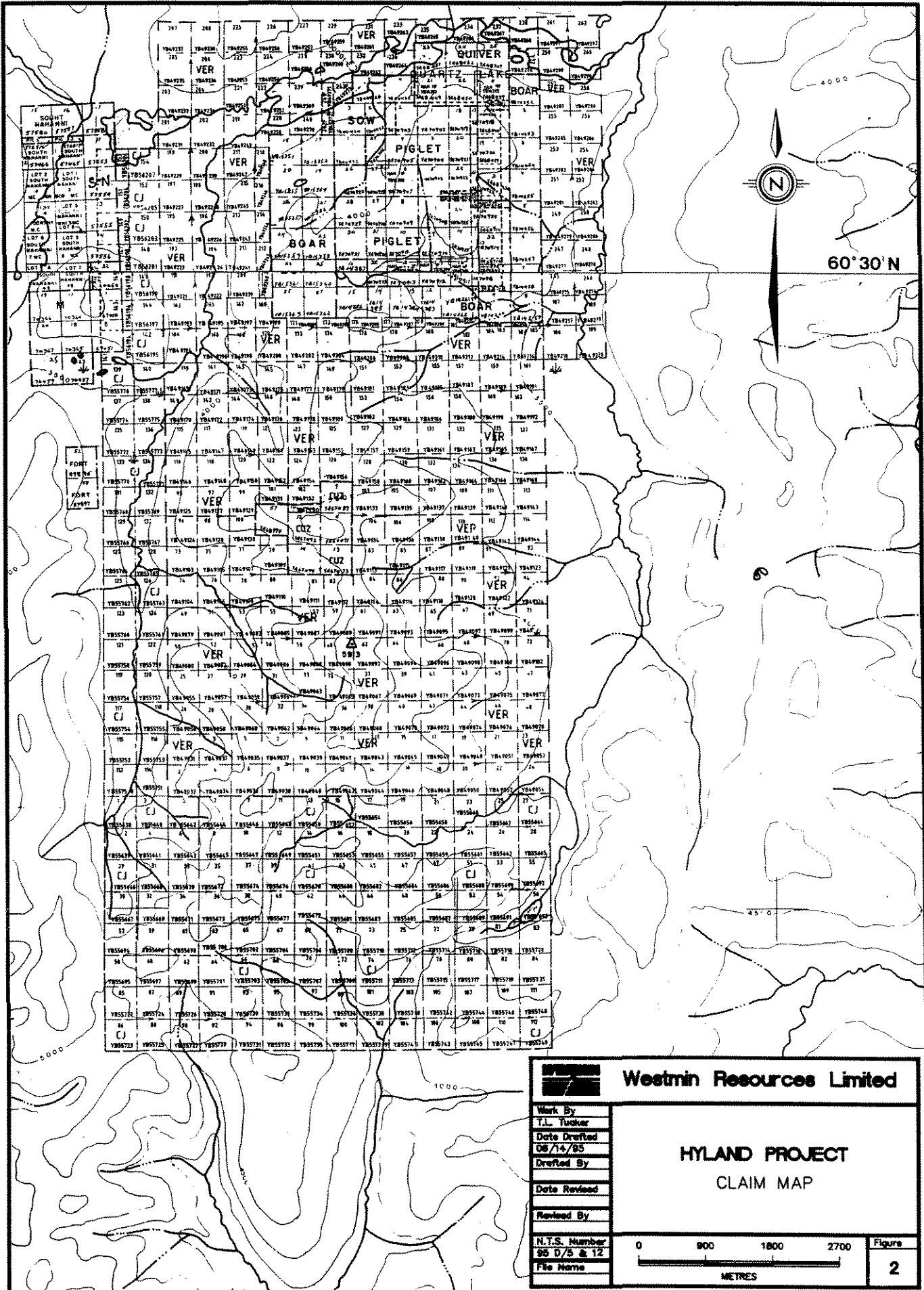
WESTMIN RESOURCES LIMITED

# LOCATION MAP HYLAND PROJECT YUKON TERRITORY

★ major deposit

SCALE 1:5,000,000





60° 30' N



<b>Westmin Resources Limited</b>	
Work By	T.L. Tucker
Date Drafted	06/14/95
Drafted By	
Date Revised	
Revised By	
N.T.S. Number	95 D/5 & 12
File Name	
METRES	
<b>HYLAND PROJECT</b>	
<b>CLAIM MAP</b>	
Figure	
<b>2</b>	

The Hyland property surrounds both the Porker and the CUZ mineral claims. The history of each of these mineral properties is outlined below. In 1954, Liard River Mining Company Limited, a subsidiary of Asarco, staked mineral claims and performed mapping, soil sampling, trenching and an electromagnetic survey. They drilled four diamond drillholes east of Pyrite Creek; these totalled about 366 metres and are plotted on Figure 3.

In 1973, the Hyland Joint Venture was formed, made up by Marietta Resources International Limited, Mitsubishi Metal Corporation and L.T. Harris Clay. This joint venture restaked the Hyland property area. Subsequent work included detailed geochemical sampling, geological mapping, gravity surveying and four diamond drillholes totalling 303 metres. Galena was found in widely scattered veinlets (Sinclair, Morin, Craig and Marchand, 1976).

Archer Cathro and Associates staked claims to add onto the area staked during 1981 as the CUZ mineral claims in 1982. They did geochemical sampling, geological mapping and prospecting. An area of anomalous gold concentrations in soil was found (Archer Cathro and Associates Limited, 1982).

Kidd Creek Mines Limited performed detailed geological mapping, geochemical sampling and geophysical surveys on the CUZ claims in 1985. One grab sample of talus assayed 9 g/t gold (Prior and von Fersen, 1985).

A new Hyland Joint Venture consortium formed by Silverquest Resources Ltd., NDU Resources Ltd. and Adrian Resources Ltd. in 1987 did bulldozer trenching, soil sampling, road building and drilled four holes totalling 376 metres at the Hyland occurrence.

A winter road was constructed northward along the Coal River valley to provide access to the Porker claims from the Alaska Highway in 1990. The winter road passes through the Hyland property. Forty-one reverse circulation percussion drillholes totalling more than 3,800 metres were completed (Bremner and Ouellette, 1990). The Hyland occurrence is reported to have a geological potential reserve of 6.8 million tonnes grading 2 g/t gold.

Also during 1990 Noranda Exploration Ltd. apparently did bulldozer trenching and geochemical sampling in the Pyrite Creek area.

## **2.4 Summary of the 1994 Program**

The VER 1-262 mineral claims were staked during May 1994 to cover prospective ground surrounding the Hyland gold occurrence. An orientation geochemical

stream sediment sampling program was done during early June 1994. Two hundred and sixteen man days were spent on the property from July 31 to October 7, 1994. The CJ 1-154 mineral claims were staked during September 1994. The work program consisted of three phases of work.

An airborne geophysical survey of 542 line-kilometres was flown over the property area.

Over twenty kilometres of hipchain-and-compass surveyed grid was established to provide survey control for sampling and geological mapping in the central part of the property. The baseline was oriented at azimuth 360°. Crosslines are presented at azimuth 090° and were spaced at 400 and 200 metre intervals. Stations were 25 metres apart along the crosslines (Figure 4).

Fifteen line-kilometres of the grid was cut and chained during September to provide better survey control of the existing grid. A second grid was surveyed by chain and compass along Pyrite Creek to provide control for detailed geochemical sampling and geological mapping (Figure 12).

The entire Hyland property area was geologically mapped and prospected at a scale of 1:20,000 (Figure 3). Concurrent with the prospecting and geological mapping, 164 litho-geochemical samples, 1,143 soil samples and 182 stream sediment samples were collected. Sample data was entered in a spreadsheet and is compiled in Appendix D.

The Pyrite Creek area, in the northwestern part of the property, was geologically mapped at a scale of 1:1,000. A bulldozer trench east of Pyrite Creek, excavated in 1990, was sampled and mapped (Figure 12). Detailed geochemical sampling was performed in the Pyrite Creek area concurrent with the geological mapping. These sample sites and results are plotted on Figures 13 and 14.

## **3.0 GEOLOGY**

### **3.1 Regional Geology**

The Hyland property lies within a belt of Late Proterozoic and Early Cambrian rocks of the Hyland Group (Gabrielse and Blusson, 1969). Supracrustal rocks in the region are characterized by low- to medium-grade metamorphic mineral assemblages; the phyllites contain abundant sericite. Bedrock is covered by locally extensive, unconsolidated glacial and glacio-alluvial deposits. Glacial movement within the area was from northwest to southeast (Gabrielse and Blusson, 1969).

Gabrielse and Blusson (1969, p. 5) described the rocks near Quartz Lake as follows:

*An interbedded assemblage of thin-bedded to massive, in part graphitic, banded limestone; gray, brown, green, yellow and buff calcareous argillite; silty argillites and fine-grained quartzite. East of Quartz Lake a prominent limestone member, more than 200 feet thick, has been strongly marbleized. The stratigraphic assignment of the rocks near Quartz Lake is uncertain and they may be in part Lower Cambrian.*

Supracrustal rocks of the Hyland Group host the Hyland gold occurrence (Bremner and Ouellette, 1990).

### **3.2 Property Geology**

The Hyland property is underlain by the Late Proterozoic to Cambrian Hyland Group rocks (Figure 3). These rocks have been subjected to low grade regional metamorphism. A majority of the property is overlain by unconsolidated glacial and glacio-alluvial deposits resulting in <20% bedrock exposure. This has made mapping of the property somewhat difficult.

The Hyland Group sedimentary rocks have been grouped into seven identifiable units. From stratigraphic relationships mapped in the field these units have been categorized from oldest to youngest. Unit 1 is a tan phyllite unit. The type outcrop of this unit is in Pyrite Creek. It is thin bedded, fine-grained and light to medium brown in colour. Unit 2 is a light to dark green, fine- to medium-grained, thinly bedded argillite. This unit underlies Unit 3 on the north-south ridge that extends through the VER grid. Unit 3 is a massive micritic gray limestone. This unit has been intensely folded isoclinally on the VER grid. Unit 4 is a fine-grained black mudstone. It is thinly bedded with locally coarse-grained interbedded horizons. Units 5 and 7 make up many of the topographic highs. Unit 5 is a resistant, medium- to coarse-grained sandstone and Unit 7 is a very coarse-grained quartzite/grit unit.

Unit 7 is typically light to medium gray in colour with quartz pebbles up to five millimetres in diameter. Locally, this unit has been completely cemented with quartz and forms massive white quartzites. Interbedded between Units 5 and 7 is a thin phyllitic horizon consisting of fine-grained, light gray to black mudstones and siltstones. Unit thicknesses were not measured but are usually a few metres to tens of metres thick. All units have been found to have minor amounts of the

others interbedded in them. This fact makes it difficult to be certain which unit you are in until detailed mapping is complete.

### **3.3 Structure**

Typically, the rocks on the property strike northwesterly and dip moderately to the northeast. A northerly-trending broad antiform has been mapped in the vicinity of the Hyland deposit. It appears to doubly plunge to the north and south moderately. The mineralization in the Hyland deposit is confined to the core of the antiform in phyllites with minor interbedded quartzites underlying the Unit 3 limestone.

In the southwestern corner of the property a series of open synforms and antiforms with northwesterly-trending axial planes has been mapped. These folds plunge gently northwest.

Several orientations of faults have been found on the property. In Pyrite Creek a thick section of limestone has been thrust over a light brown to tan phyllite. The fault is orientated at approximately  $310^\circ$  and dips  $20^\circ$  to the southeast (Figure 12). Detailed mapping on the VER grid has identified several east-west faults which are probably vertical. Displacement has been right lateral with over 550 metres of movement. Other minor faults on the property generally trend northeast and northwest. On the VER grid the limestone has been tightly folded with a fold axis orientation of  $130^\circ$  and plunging at  $15^\circ$  to the southeast.

To the east of Pyrite Creek an area of extensive conglomeratic ferricrete overlies a sequence of quartzites and phyllites which are exposed in Pyrite Creek. The Pyrite Creek area is extensively pyrite altered with minor arsenopyrite both disseminated and in veinlets in the coarse-grained sandstones/quartzites.

### **3.4 Mineralization**

Geochemical sampling of the Hyland property has identified areas where soils, stream sediments and rocks contain anomalous gold concentrations. Results of the current work program indicated the following.

Anomalous amounts of gold are present in some of the rocks and soils on the VER grid south of the Hyland gold occurrence. Gold is also present within some of the rocks in the Pyrite Creek canyon. Examination of rocks from the property area did not reveal the presence of visible gold. The gold is likely micron-sized, very finely disseminated and appears to be most abundant within the coarse-grained, gritty or pebbly sandstones and quartzites.

Pyrite is the main sulphide mineral within the property area. It is mainly disseminated and usually comprises 1 or 2% of the rock volume where present. A coarse, gritty quartzite on the eastern side of Pyrite Creek canyon contains 5 to 10% pyrite as euhedral cubes one to two millimetres across (Figure 12). A 2.4 by 0.7 metre lens-shaped body contains one by two centimetre masses of bright, subhedral pyrite crystals within a matrix of fine pyrite grains. This lens is found along a fault in the Pyrite Creek canyon. A sample of this lens material returned 255 ppb gold.

The quartzites at Pyrite Creek canyon locally contain disseminated arsenopyrite (Figure 12). These quartzites are often stained by greenish scorodite. Acicular arsenopyrite a few millimetres in length was observed in tan coloured, fine-grained quartzite cored in one of the old diamond drillholes stored at Pyrite Creek. Rock sample 94SHR010, a grab of siliceous quartzite with massive arsenopyrite and pyrite, returned 2,230 ppb gold and >10,000 ppm arsenic (Figures 13 and 14).

Quartz veins and spotty limonite stain are most abundant within a metre or two of faults on the Hyland property. The limonite is likely due to the weathering of disseminated, epigenetic(?) pyrite found along the faults. A quartz vein is found along a northeasterly-trending fault at Pyrite Creek canyon. Quartz veins within the property area are up to 40 centimetres wide, and are most abundant within the brittle, coarser grained quartzites and conglomerates.

The Hyland gold occurrence has been described by Bremner and Ouellette (1990) as follows:

*Gold occurs in a thick layer of iron oxides and siderite at the contact between quartzite and phyllite of the Proterozoic Hyland Group and overlying limestone. The hanging wall limestone is confined to the south part of the property and dips to the south at a low angle. Within the siderite and oxide layer, the gold appears to be concentrated along a series of anastomosing north-striking faults about three metres wide. The major zone of north-trending faults is outlined at surface by a strong gold anomaly which trends 010°.*

### 3.5 Interpretation

Anomalous concentrations of gold occur in rock and soil samples in the north-central part of the Hyland property area on the VER grid. In addition, anomalous concentrations of gold occur in stream sediments and rock samples in the Pyrite Creek canyon. If the faults and folding which occur at the Hyland deposits extend

south to the VER grid, the anomalous geochemistry may represent an extension to the Hyland occurrence.

Four kilometres to the west of the Hyland occurrence is Noranda's McMillan deposit. The occurrence appears to be a manto-like or syngenetic zinc-lead-silver deposit. The mineralization is found at the contact between a massive micritic limestone, which forms the hanging wall and a light tan to brown fine-grained phyllitic unit. The deposit has been extensively drilled and reserves are reported to be 1.1 million tonnes grading 8.3% zinc, 4.1% lead and 62 g/t silver (Bremner, 1990).

It is speculated that lateral metal zoning occurs in the region with the Hyland gold occurrence in the east and the McMillan lead-zinc deposit in the west. These two mineral occurrences may be part of the same mineralizing system which was centred near the Hyland deposit.

The southwest corner of the VER grid is very anomalous in base metals which may again reflect zoning away from the high gold and arsenic in soils on the east-central portion of the grid. Earlier workers had mapped galena veinlets in quartzites to the southwest of Pyrite Creek on the VER grid.

## **4.0 GEOCHEMICAL SURVEY**

### **4.1 Scope of Sampling**

Approximately 1,143 geochemical soil samples, 182 geochemical stream sediment samples and 164 litho-geochemical samples were collected on the Hyland property. Geochemical sample sites are plotted on Figures 4 and 13.

The soil sampling was concentrated in the area southward along strike from the Hyland gold occurrence and north of the CUZ mineral claims. The area was gridded with over fifteen kilometres of cut line and twenty kilometres of chained and flagged grid line sampled at 25 metre intervals. The grid has been called the VER grid.

Stream sediments gathered from creeks over the entire property were sampled for geochemical analysis. In addition, litho-geochemical sampling was performed throughout the property area. One of the 1990 bulldozer trenches east of Pyrite Creek was sampled as part of this work (Figures 12 to 14). The Pyrite Creek was extensively sampled.

## 4.2 Sample Analysis

The rocks, stream sediments and soils sampled during the work program were analyzed for gold, zinc, arsenic and other selected elements by Chemex Labs Ltd., 212 Brooksbank Avenue, North Vancouver, British Columbia. Sample descriptions are in Appendix D. Sample locations are plotted on Figures 4 and 13; analytical results are plotted on Figures 5 to 11 and Figure 14. Certificates of analysis are in Appendix E and an outline of the analytical procedures used are included as Appendix G. Statistical analysis of the data is presented in Appendix F.

## 4.3 Results

Several areas of the Hyland property have been outlined with anomalous geochemistry. Statistics of the entire package of elements was completed and is presented in Appendix F. Cutoffs for all geochemical maps were taken as the 70th, 90th and 95th percentile.

Soil sampling on the VER grid returned some very encouraging results. South of the Hyland deposit a 600 metre long arsenic anomaly has been identified. Soils in this area returned up to 525 ppb gold and 1,145 ppm arsenic. The western portion of the grid was anomalous in zinc and lead. Values were up to 1,020 ppm zinc and 342 ppm lead. No zinc or lead minerals were observed in the outcrop.

Extensive silt sampling of the property revealed several areas of significant anomalies. In particular was the Pyrite Creek area, streams draining the Hyland deposit, the eastern side of the property and a single 300 ppb gold anomaly in the southwest corner of the property. Stream sediments from Pyrite Creek returned up to 50 ppb gold, 3,160 ppm arsenic and 76 ppm bismuth (Figure 13).

Pyrite Creek was extensively sampled. Talus, chip and core samples were collected. The core was found in scattered boxes near the creek. Several sections had altered pyritic sediments with minor arsenopyrite. Rock samples 94SHR010 and 94DPR180 contained 2,230 ppb gold and 255 ppb gold respectively. Several other rock grabs from Pyrite Creek returned anomalous gold concentrations. These rocks are probably the bedrock source for the anomalous sediments in Pyrite Creek.

## **5.0 GEOPHYSICAL SURVEY**

### **5.1 Scope of the Survey**

A helicopter-borne geophysical survey was flown over a total of approximately 542 line-kilometres on the Hyland property between June 2 and 3, 1994. The survey was conducted by DIGHEM, a division of CGG Canada Ltd., Mississauga, Ontario. Their report on the work forms Appendix H. Flight line separation was 200 metres (Map 1-2, Appendix H). Flight lines were flown east-west except for three north-south tie lines.

An Aerospatiale AStar 350B helicopter equipped with the DIGHEM<sup>Y</sup> electromagnetic system, Herz Industries Limited Totem-2A VLF receiver, Picodas 3340 cesium vapour magnetometer, radar altimeter, tracking camera and a GPS navigational system was used. A Scintrex MP-3 proton precession magnetometer was used as a base station magnetometer to record diurnal variations of the earth's magnetic field.

The helicopter flew at an average speed of 115 kilometres per hour with a nominal sensor altitude of 30 metres.

### **5.2 Geophysical Survey Results and Interpretation**

The results of the airborne geophysical survey are presented fully in Appendix H. The survey results are summarized below.

#### **5.2.1 Electromagnetic Survey**

There are numerous north-northwesterly to northeasterly trending, narrow, linear electromagnetic conductors within the northern and eastern portions of the survey area. These conductors are generally up to about 700 or 800 metres in length. Some are interpreted to dip westwards.

The Hyland gold occurrence is associated with a weak, narrow, northerly-trending electromagnetic conductor which dips to the west.

A large electromagnetic conductive zone was delineated along the eastern margin of the survey area. DIGHEM interprets this feature to be due to a bedrock source, although it is in an area of presumably thick and conductive overburden along the eastern side of the Quartz Creek valley. The conductors comprising this zone appear to dip to the west as do some of the other, smaller conductors within the

survey area. A magnetic low is associated with this conductive zone, which implies that graphite could be the source of the conductor.

### **5.2.2 VLF-EM Survey**

The general distribution of filtered VLF conductors shown in Appendix H is similar to that of the electromagnetic conductors described above. The VLF transmitting station used is at Annapolis, Maryland. Unfortunately, the northerly strike of geological features within the Hyland property does not couple well with a transmitter located in Maryland. The VLF station at Seattle, which is more favourably oriented with respect to the geological features at the Hyland property, was not available during the survey.

### **5.2.3 Magnetic Survey**

A large, ovoid magnetic low lies within the northcentral part of the survey area. This feature may be due to an underlying igneous intrusion. The Hyland gold occurrence coincides with a linear, northerly-trending magnetic low within the larger feature (Appendix H).

A linear magnetic high is present approximately 1,600 metres southeast of the Hyland occurrence.

The large electromagnetic conductive zone along the southeast margin of the survey area is associated with a northerly-trending magnetic low. This low has a curved trace and extends eastward beyond the boundary of the surveyed area.

A large, subcircular magnetic low at the southern edge of the survey area may be due to a non-magnetic intrusive rock unit, or to a magnetite-rich rock which exhibits remanent magnetization.

The sources of these magnetic features were not determined during ground followup. The exposed rocks at the Hyland property area have a low magnetite content. The magnetic pattern seen in the survey results may be entirely due to the magnetic response of the rock units below the exposed Hyland Group rocks. The general magnetic pattern within the survey area is interpreted by DIGHEM as indicating that the rocks have undergone deformation and/or alteration (Appendix H).

A large, northwesterly-trending fault break has been interpreted from the magnetic data. This fault forms the northeastern margin of the subcircular magnetic low at the southern edge of the survey area. A second northwesterly-trending fault, also

interpreted from the aeromagnetic survey data, may extend through the Hyland occurrence area.

Easterly-trending faults are inferred from geological mapping in the central part of the property. These do not appear to have any magnetic signature.

#### **5.2.4 Resistivity Survey**

The resistivity patterns show only moderate agreement with the magnetic patterns, which suggests that some of the resistivity lows are due to conductive overburden.

DIGHEM interprets a bedrock source for the electromagnetic conductor associated with a magnetic low at the southeastern edge of the surveyed area (Appendix H). A resistivity low is associated with Hyland gold occurrence.

A northerly-trending resistivity low is located near Pyrite Creek, about two kilometres west of the southern end of Hyland gold occurrence.

### **6.0 CONCLUSIONS AND INTERPRETATION**

Geochemical sampling at the Hyland property shows that some of the soils and float contain anomalous gold concentrations, especially in the east-central part of the property. The bedrock source of the gold in the east-central part of the property is unknown. Stream sediments from Pyrite Creek contain anomalous concentrations of both gold and arsenic. The bedrock source of this gold and arsenic is probably indicated by a few rock samples which contain anomalous gold and arsenic concentrations.

Soils at the westcentral Hyland property contain anomalous zinc and copper concentrations. The bedrock source of the zinc and copper may be the McMillan zinc-lead-silver occurrence to the west of the Hyland property. Glacial movement in the area was from northwest to southeast. Alternatively, this may represent a bedrock source as indicated by previous mappers, as galena was found in veins in sediments.

Lateral metal zoning may be present in the region with the Hyland gold occurrence to the east, and the McMillan zinc-lead-silver occurrence to the west.

Pyrite is the main sulphide mineral within the Hyland property area. The quartzites at Pyrite Creek canyon locally contain disseminated and massive arsenopyrite with anomalous gold concentrations. Both pyrite and arsenopyrite are associated with gold at the Hyland occurrence.

The Hyland gold occurrence has a definite, though subtle, geophysical signature. The geophysical features associated with the Hyland occurrence do not appear to extend onto the VER mineral claims. However, the Hyland occurrence lies within the core of a presumed antiform which plunges southwards. A buried extension of the Hyland occurrence may therefore be present within the north-central portion of the Hyland property.

## 7.0 RECOMMENDATIONS

Detailed geochemical stream sediment sampling should be completed on all of the streams within the property.

Geochemical soil sampling along easterly-trending lines should be extended southwards from the area of present coverage. This should be done with a power auger capable of penetrating two or three metres of overburden, and possibly also capable of sampling the top of the underlying bedrock surface.

The soil and stream sediment geochemical anomalies should be evaluated by hand trenching. This work could determine the bedrock source of the gold and arsenic. Soil profiles may assist in determining whether or not soil anomalies are in glacially transported material.

The airborne geophysical survey results, in combination with the currently known geology of the property area, should be evaluated by a geophysicist. Geophysical anomalies should be rated. Certain of the anomalies may warrant ground followup. An induced polarization survey could outline silicified areas and/or sulphide mineral occurrences which may be associated with gold.

A limited amount of geological mapping may be required to investigate areas of interest. Most outcrops in the property area have already been examined.

Targets warranting testing with diamond drillholes may result from the proposed work program.

## 8.0 REFERENCES

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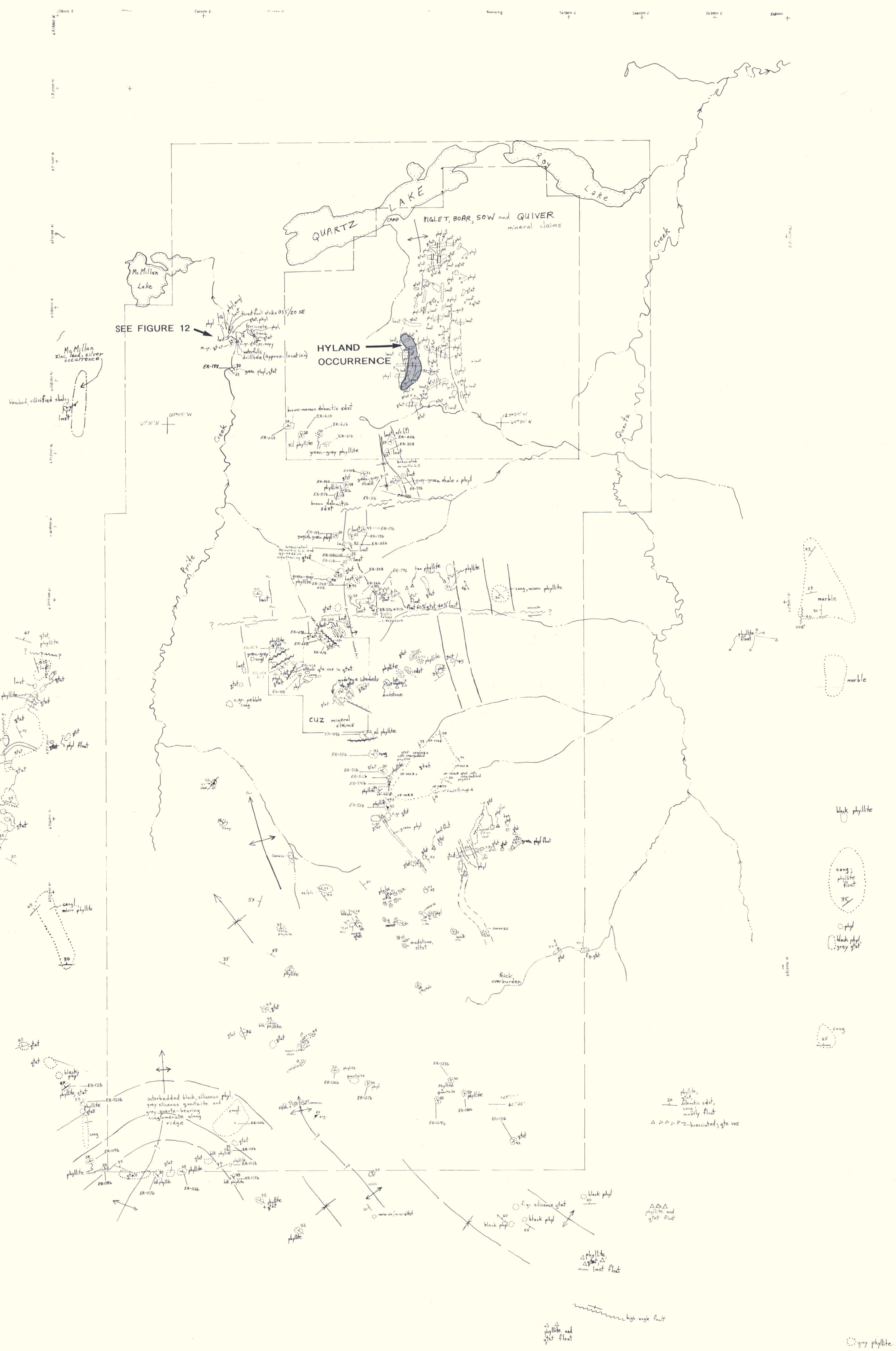
Franzen, J.P., 1988. Report on the Hyland Gold Property, Piglet 1-32; Quiver 1, 2, 11, 12, 21-24, 25, 30, 32, 34; and Sow 1-5 Quartz Claims. Unpublished Assessment Report 062298 for Adrian Resources Ltd.

Gabrielse, H., and S.L. Blusson, 1969. Geology of Coal River Map-Area, Yukon Territory and District of Mackenzie (95 D). Geological Survey of Canada Paper 68-38.

Grant, F.S. and N.R. Patterson, 1975. Report on Interpretation of Gravity Data on Porker Claims, Hulse Lake, Yukon Territory. Unpublished Assessment Report 061037 for Peter E. Walcott & Associates Ltd. (on behalf of Archer, Cathro and Associates Ltd.).

Prior, G. and N. von Fresen, 1985. 1985 Final Report on the CUZ Claims, Southeastern Yukon Territory. Unpublished report by Kidd Creek Mines Limited.

Sinclair, W.D., Morin, J.A., Craig, D.B. and M. Marchand, 1976. Porker: Report in Mineral Industry Report 1975. Yukon Territory Indian and Northern Affairs, EGS 1976-15, pp. 155-156.

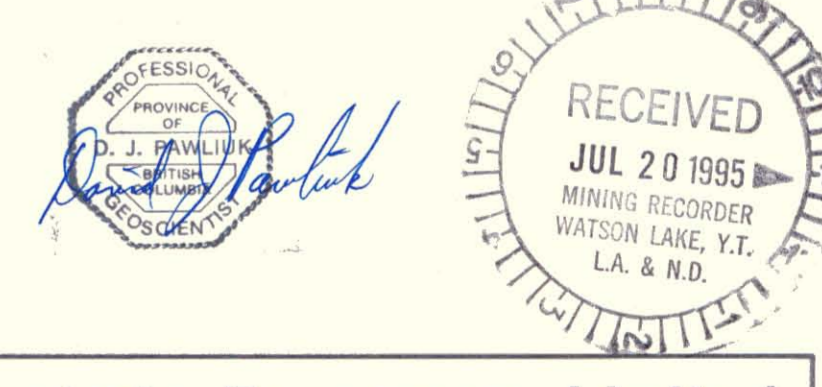


- SYMBOLS**
- Lithological Contact (definite, assumed)
  - Bedding (strike and dip, dip indicated)
  - Foliation (strike and dip, dip indicated)
  - Joint (strike and dip, dip indicated)
  - Syncline
  - Anticline
  - Fold axis (plunge indicated)
  - Fault (dip indicated)
  - Thrust Fault
  - Outcrop Area
  - Quartz Vein (dip indicated)

**PROTEROZOIC SEDIMENTARY ROCKS**

- |       |              |
|-------|--------------|
| qtzt  | quartzite    |
| cong  | conglomerate |
| phyl  | phyllite     |
| argl  | argillite    |
| lmst  | limestone    |
| silst | siltstone    |
| sdst  | sandstone    |
| mdst  | mudstone     |

- |       |                |
|-------|----------------|
| aspy  | arsenopyrite   |
| brx   | breccia        |
| c-gr  | coarse-grained |
| dol   | dolomite       |
| f-gr  | fine-grained   |
| limnt | limonite       |
| m-gr  | medium-grained |
| py    | pyrite         |
| q.v.  | quartz vein    |
| qtz   | quartz         |
| tr    | trace          |
| vn    | vein           |

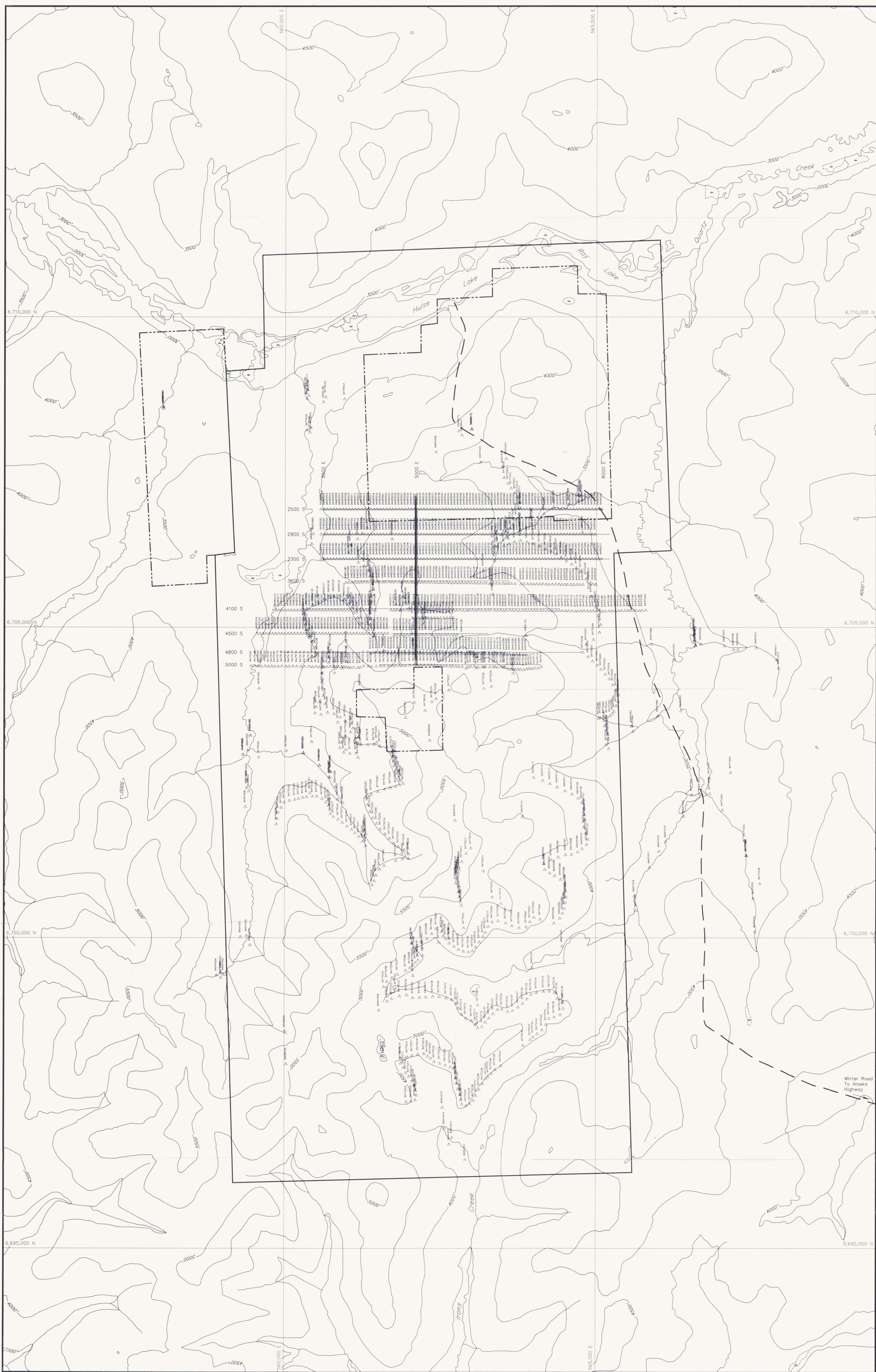
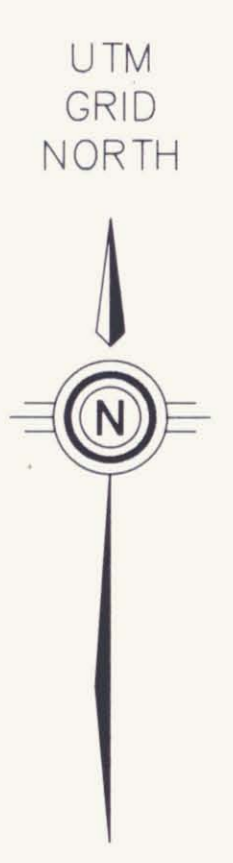


**Westmin Resources Limited**  
MINING DIVISION

**HYLAND PROJECT**  
VER/CJ PROPERTY  
PROPERTY GEOLOGY

Work By: T.L. TUCKER  
Date Drafted: 06/15/95  
Drafted By:  
Date Revised:  
Revised By:  
N.T.S. Number: 95 D/5 & 12  
Scale: 1 : 20,000  
Figure: 3

GEOLOGY BY T. TUCKER D. PAWLIUK E. RATCHFORD



**LEGEND**

- Westmin Claims
- - - Claims (Other)
- - - Road (Winter)
- - - Contour (Elevation)
- ~ Creek
- Swamp
- Soil Sample Location
- △ Rock Sample Location
- ⊕ Silt Sample Location

NOTE:  
Refer to Geochemistry Maps (Fig. 5-11)  
to differentiate sample types.

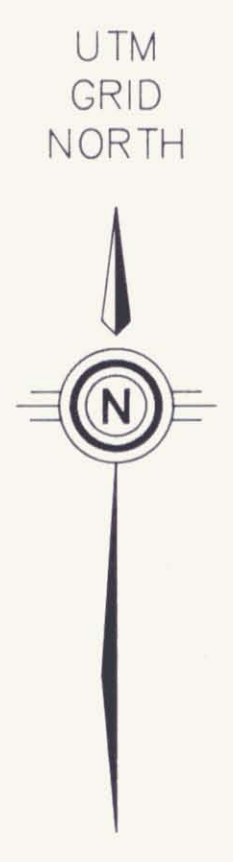
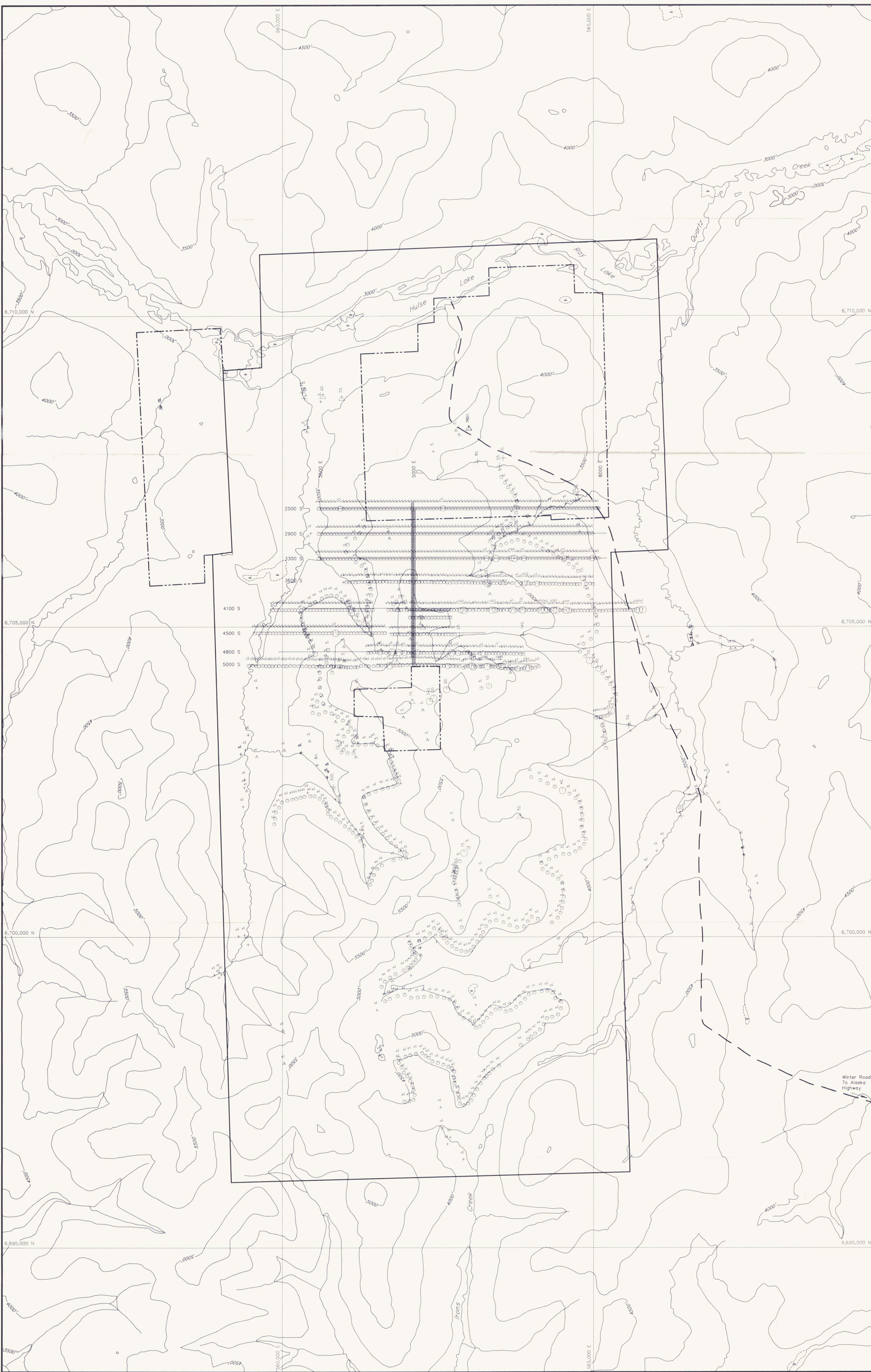
093308

**Westmin Resources Limited**

Work By  
T.L. Tucker  
Date Drafted  
14/06/95  
Drafted By  
Date Revised  
Revised By

**HYLAND PROJECT**  
VER/CJ PROPERTY  
SAMPLE LOCATION  
DWA

Contour Int. 500 ft  
File Name VER\_CJ  
SCALE 1 : 20,000  
Figure 4



**LEGEND**

- Westmin Claims
- - - Claims (Other)
- - - Road (Winter)
- 2500- Contour (Elevation)
- ~ Creek
- Swamp
- Soil Sample Location
- △ Rock Sample Location
- + Silt Sample Location

**Au (ppb)**  
 0 - 6  
 6 - 10  
 10 - 15  
 >>> 15



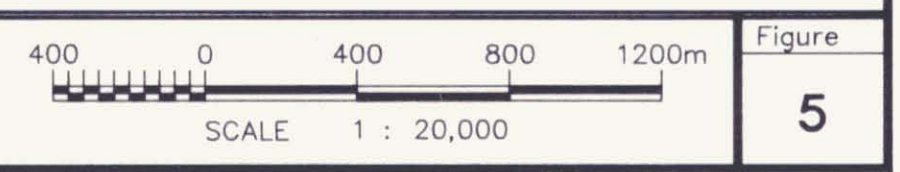
**Westmin Resources Limited**

Work By	T.L. Tucker
Date Drafted	14/05/95
Drafted By	
Date Revised	
Revised By	
Contour Int.	500 ft.
File Name	VER_CJ

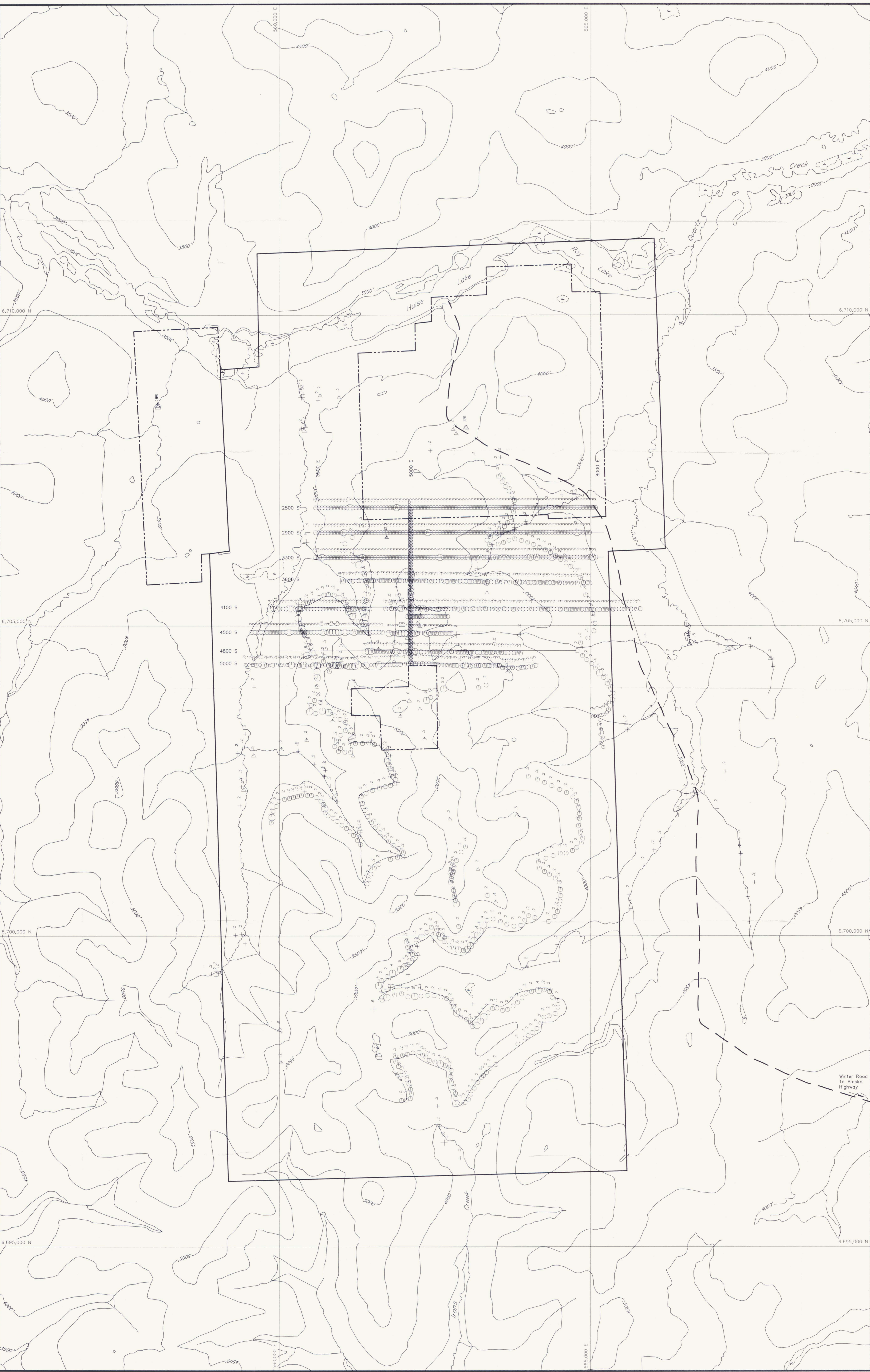
**HYLAND PROJECT**  
 VER/CJ PROPERTY  
 GOLD GEOCHEMISTRY

0933 08

Dwtg (3)



UTM  
GRID  
NORTH



**LEGEND**

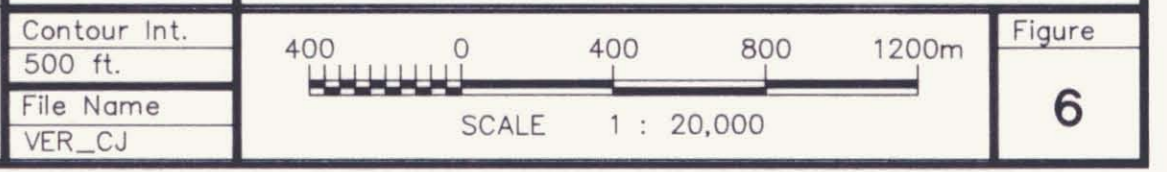
- Westmin Claims
- - - Claims (Other)
- - - Road (Winter)
- - - Contour (Elevation)
- ~ Creek
- Swamp
- Soil Sample Location
- △ Rock Sample Location
- +

Ag (ppm)

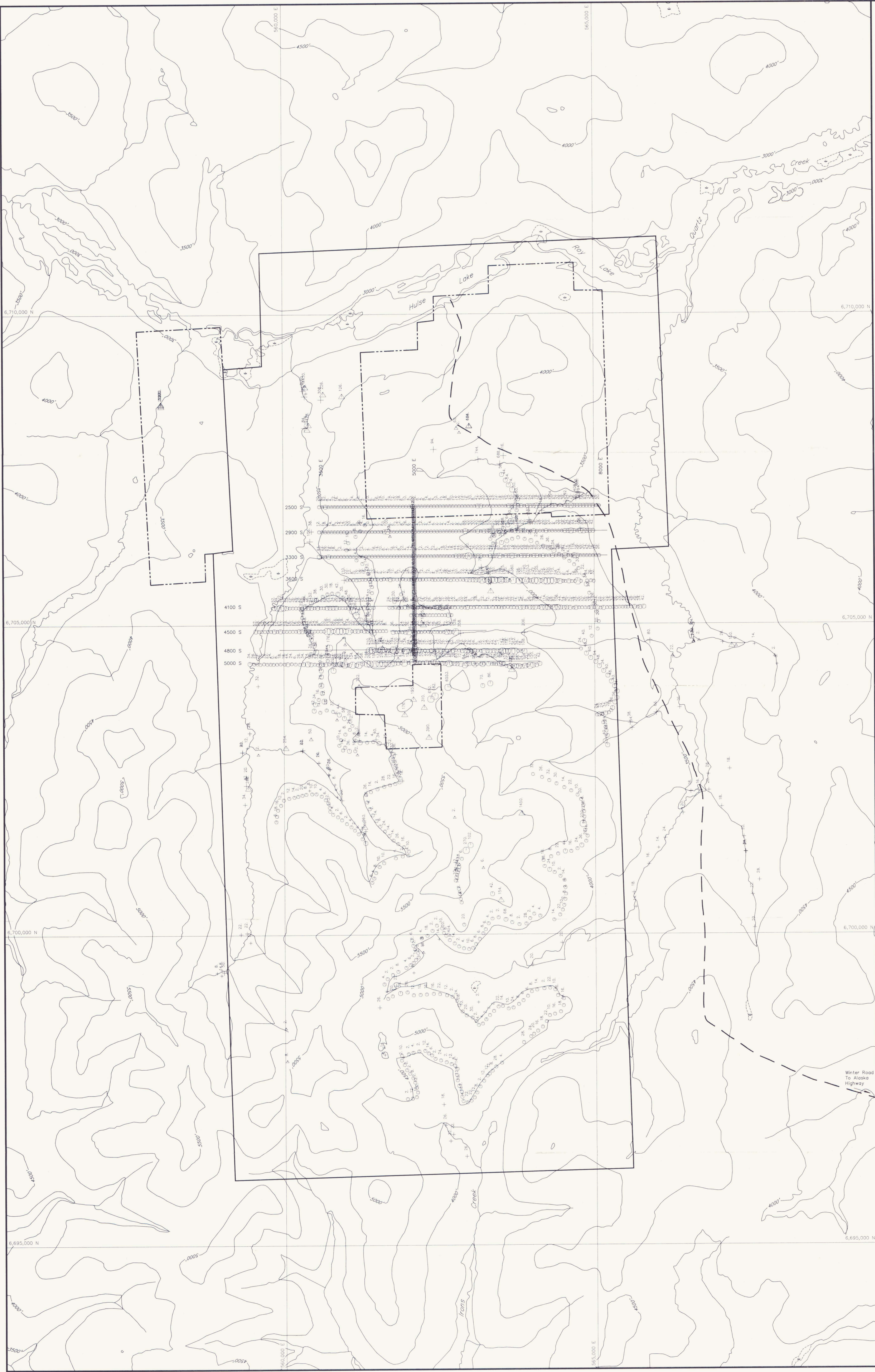
- 0.0 - 0.2
- 0.2 - 0.4
- 0.4 - 0.6
- >>> 0.6



<b>Westmin Resources Limited</b>	
Work By T.L. Tucker	<b>HYLAND PROJECT</b> VER/CJ PROPERTY SILVER GEOCHEMISTRY DWG 4
Date Drafted 14/06/95	
Drafted By	
Date Revised	
Revised By	
Contour Int. 300 Ft	Figure
File Name VER_CJ	6



UTM  
GRID  
NORTH

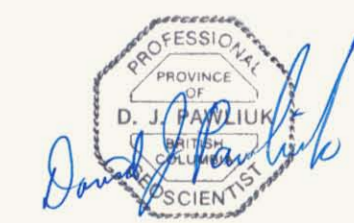


**LEGEND**

- Westmin Claims
- - - Claims (Other)
- - - Road (Winter)
- Contour (Elevation)
- Creek
- Swamp
- Soil Sample Location
- △ Rock Sample Location
- + Silt Sample Location

As (ppm)

- 0 - 34
- 34 - 72
- 72 - 126
- >>> 126



**Westmin Resources Limited**

Work By  
T.L. Tucker  
Date Drafted  
14/06/95  
Drafted By  
Date Revised  
Revised By

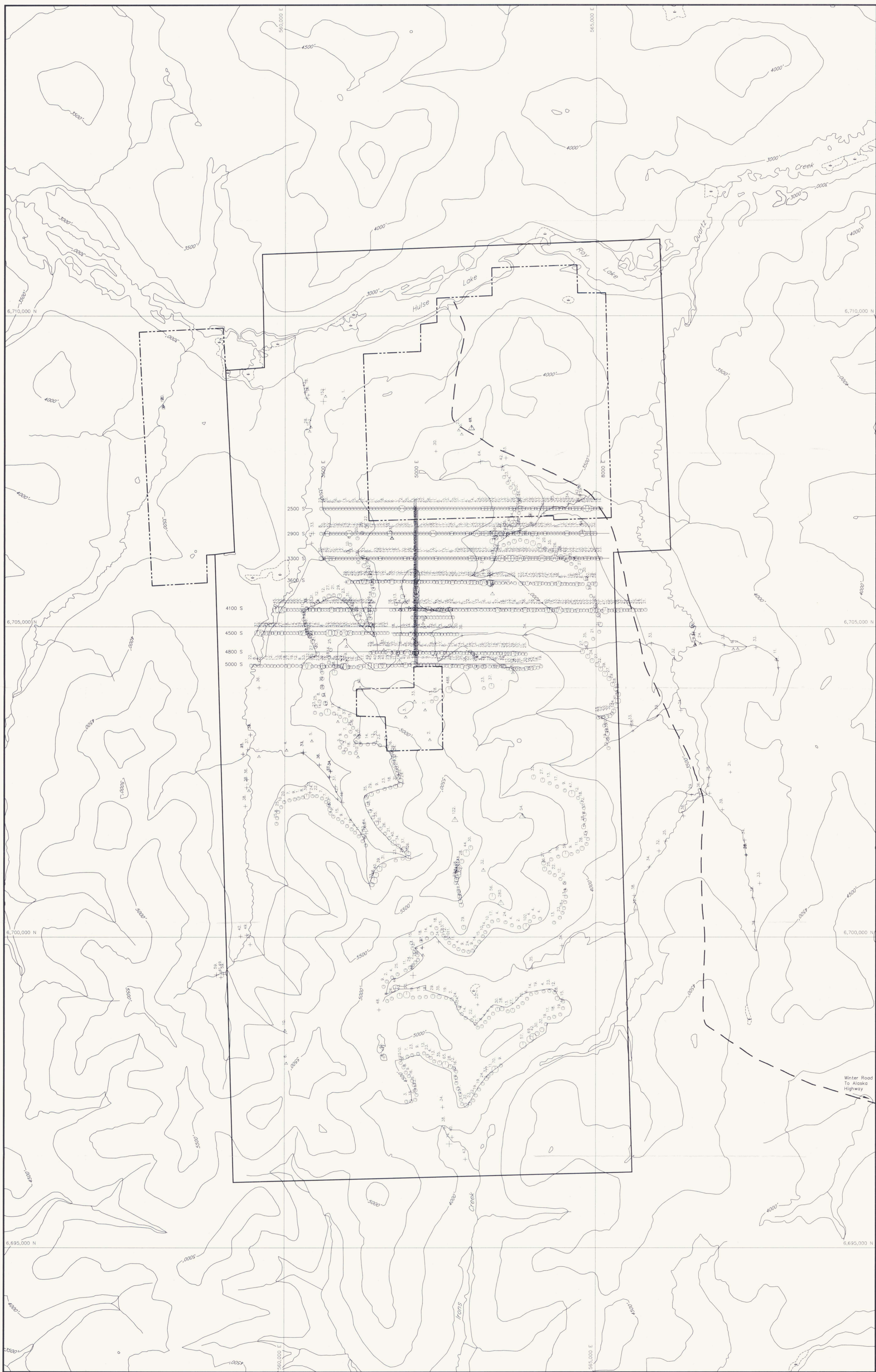
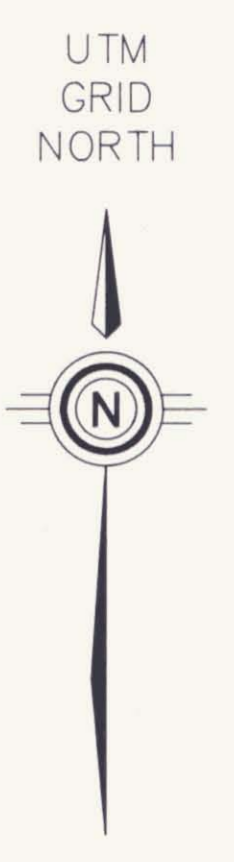
**HYLAND PROJECT 09308**  
VER/CJ PROPERTY  
ARSENIC GEOCHEMISTRY

DWG 5

Contour Int.  
500 ft.  
File Name  
VER\_CJ

400 0 400 800 1200m  
SCALE 1 : 20,000

Figure  
**7**



**LEGEND**

- Westmin Claims
- - - Claims (Other)
- - - Road (Winter)
- - - Contour (Elevation)
- ~ Creek
- Swamp
- Soil Sample Location
- △ Rock Sample Location
- + Silt Sample Location

**Cu (ppm)**

- - 27
- - 27
- - 37
- - 42
- >>> 42

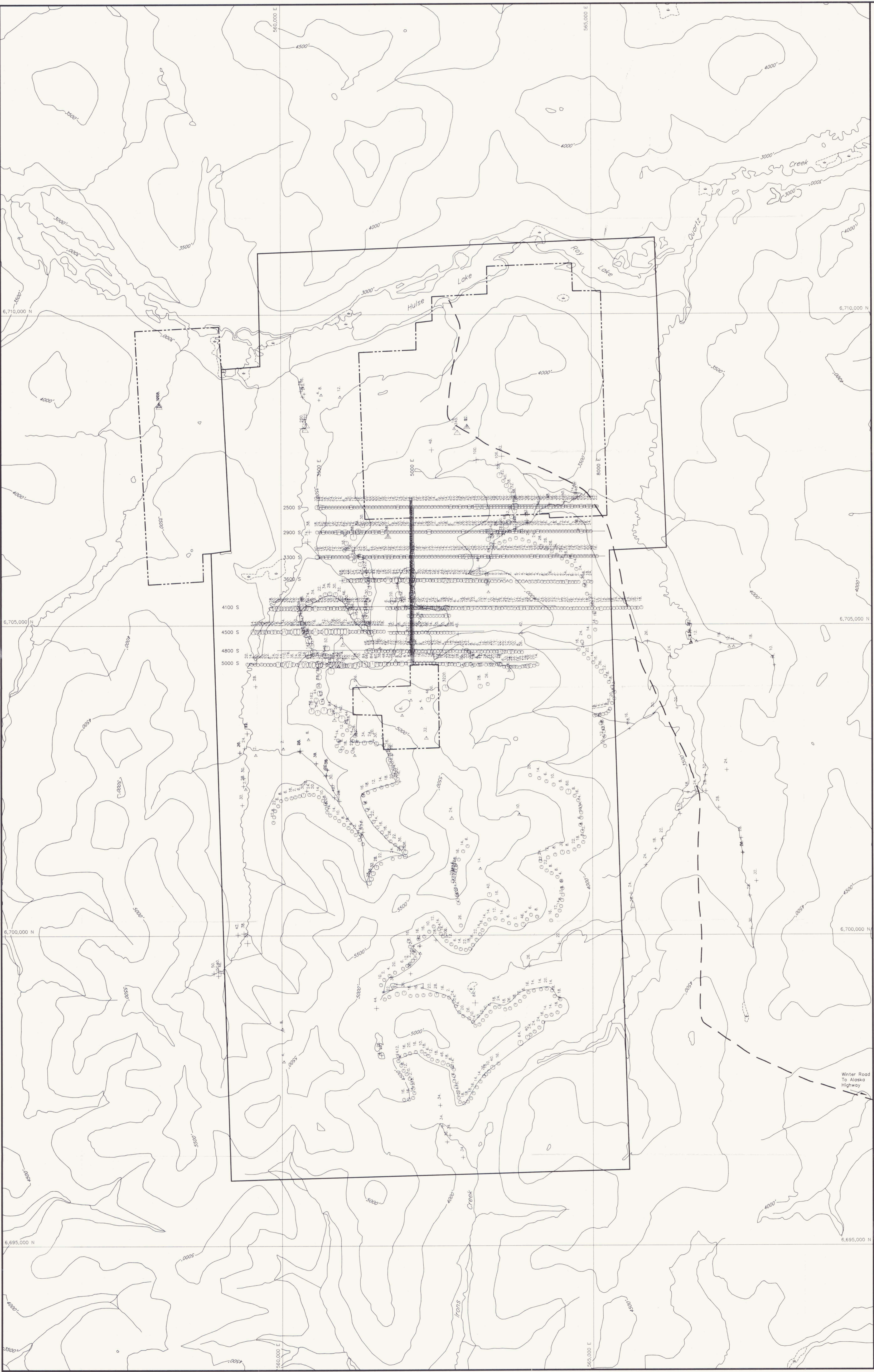


**Westmin Resources Limited**

Work By T.L. Tucker	<b>HYLAND PROJECT</b> VER/CJ PROPERTY COPPER GEOCHEMISTRY <i>Dwg 6</i>	Figure <b>8</b>
Date Drafted 14/06/95		
Drafted By		
Date Revised		
Revised By		
Contour Int. 500 ft	400 0 400 800 1200m	
File Name VER_CJ	SCALE 1 : 20,000	

03308

UTM  
GRID  
NORTH



**LEGEND**

- Westmin Claims
- - - Claims (Other)
- - - Road (Winter)
- Contour (Elevation)
- ~ Creek
- Swamp
- Soil Sample Location
- △ Rock Sample Location
- + Silt Sample Location

Pb (ppm)

- - 28
- △ - 48
- + - 74
- >>> 74



**Westmin Resources Limited**

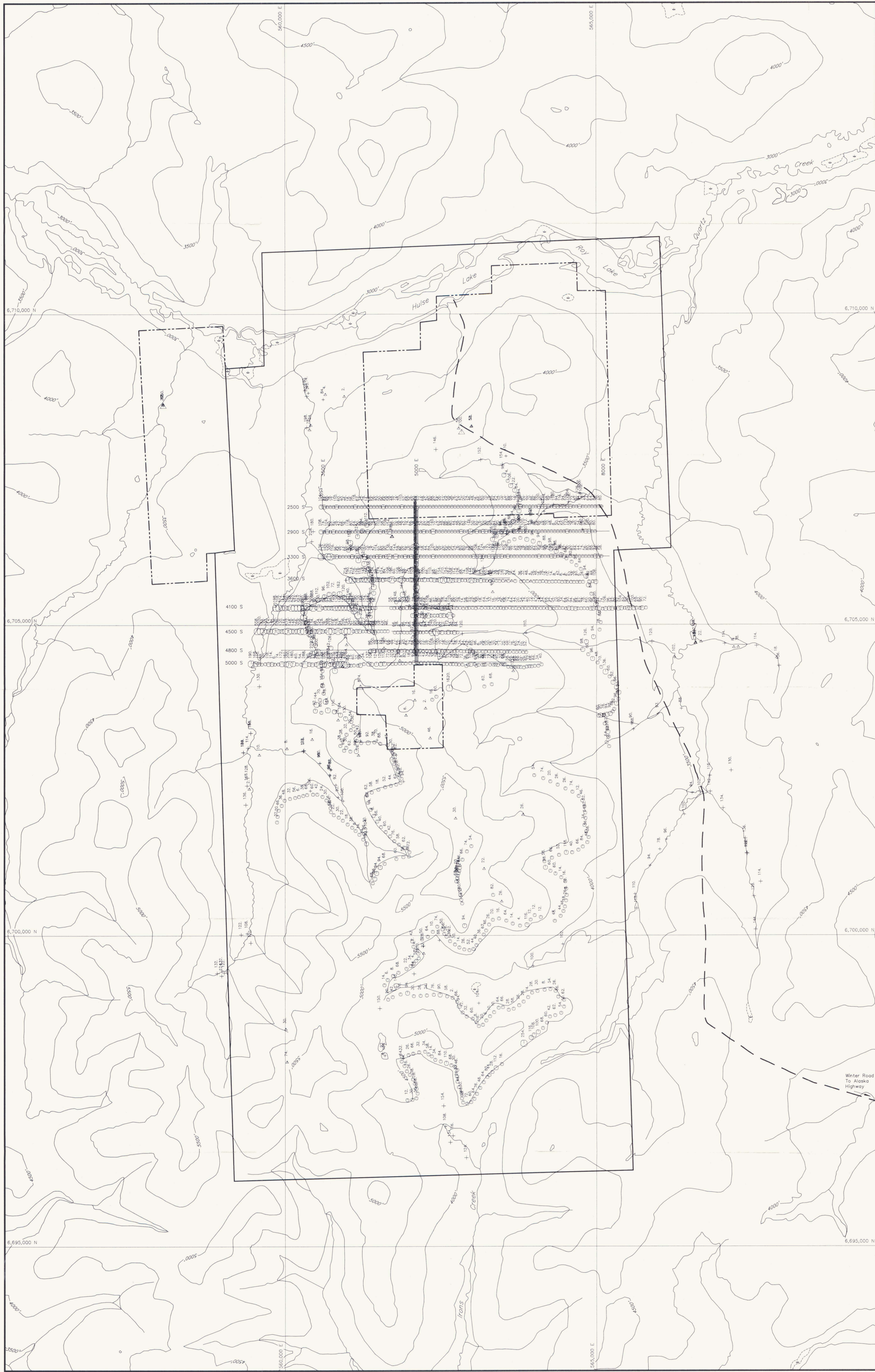
Work By: T.L. Tucker  
 Date Drafted: 14/06/95  
 Drafted By:  
 Date Revised:  
 Revised By:

**HYLAND PROJECT 003308**  
 VER/CJ PROPERTY  
 LEAD GEOCHEMISTRY

Scale: 1 : 20,000

Figure: 9

UTM  
GRID  
NORTH

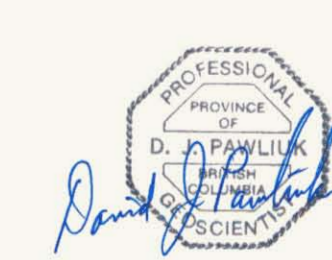


**LEGEND**

- Westmin Claims
- - - Claims (Other)
- - - Road (Winter)
- 2500- Contour (Elevation)
- ~ Creek
- Swamp
- Soil Sample Location
- △ Rock Sample Location
- +

**Zn (ppm)**

- 0 - 90
- 90 - 134
- 134 - 184
- >>> 184



**Westmin Resources Limited**

Work By	T.J. Tucker
Date Drafted	14/06/95
Drafted By	
Date Revised	
Revised By	
Contour Int.	400
File Name	VER_CJ

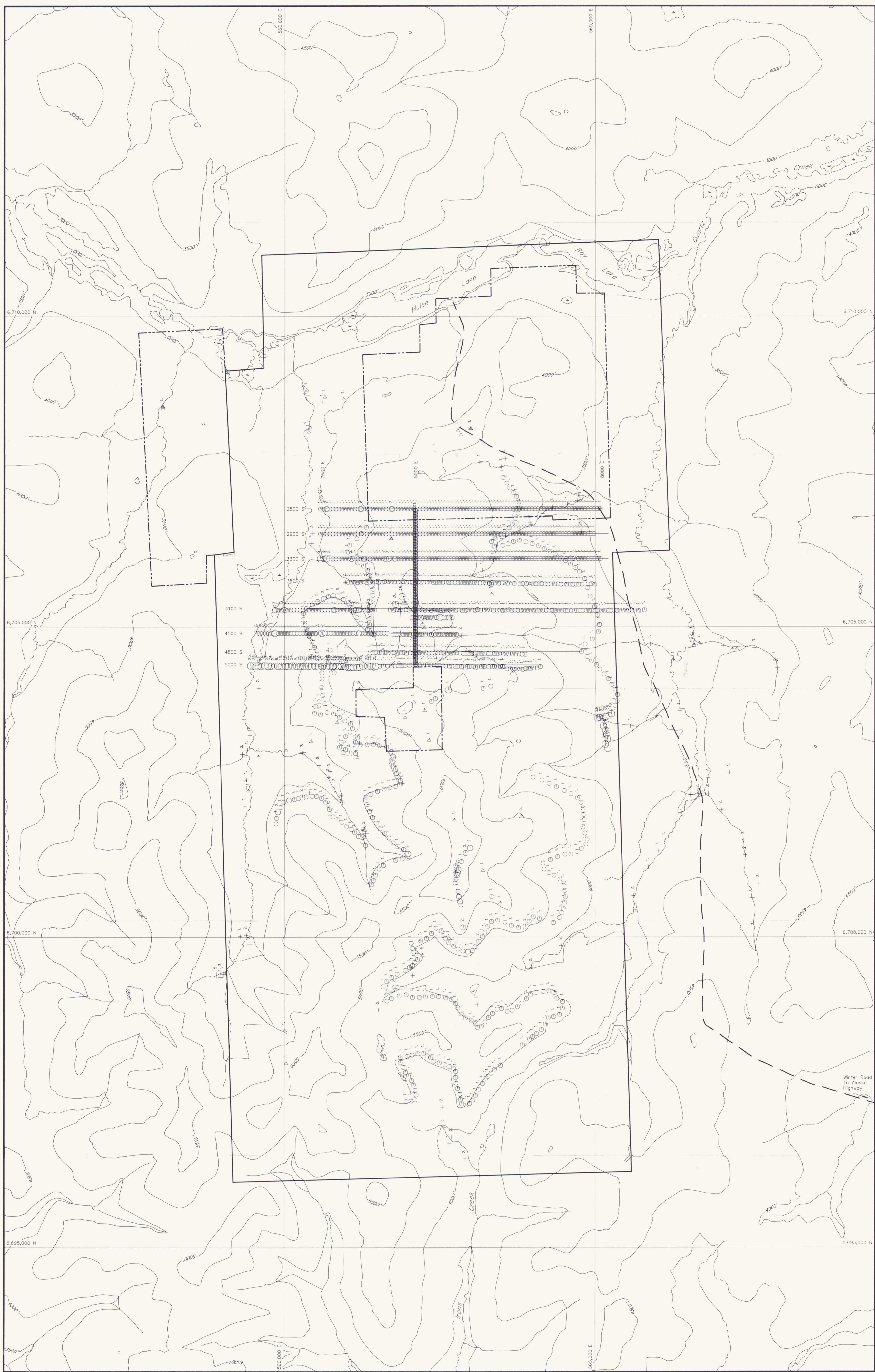
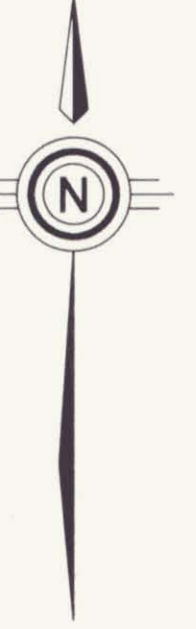
**HYLAND PROJECT** 09308  
VER/CJ PROPERTY  
ZINC GEOCHEMISTRY

Dwg 18

Figure 10

SCALE 1 : 20,000

UTM  
GRID  
NORTH



**LEGEND**

- Westmin Claims
- - - Claims (Other)
- - - Road (Winter)
- 2500'- Contour (Elevation)
- ~ Creek
- Swamp
- Soil Sample Location
- △ Rock Sample Location
- + Silt Sample Location

**Mo (ppm)**

- 0 - 1
- 1 - 2
- 2 - 4
- >>> 4



<b>Westmin Resources Limited</b>	
Work By T.L. Tucker	<b>HYLAND PROJECT</b> VER/CJ PROPERTY MOLYBDENUM GEOCHEMISTRY 093308 DWG 9
Date Drafted 14/06/95	
Drafted By	
Date Revised	
Revised By	
Contour Int. 500 FT.	Figure
File Name VER_CJ	11

SCALE 1 : 20,000

UTM  
GRID  
NORTH



**SYMBOLS**

- Lithological Contact (definite, assumed)
- Bedding (strike and dip, dip indicated)
- Foliation (strike and dip, dip indicated)
- Joint (strike and dip, dip indicated)
- Syncline
- Anticline
- Fold axis (plunge indicated)
- Fault (dip indicated)
- Thrust Fault
- Outcrop Area
- Quartz Vein (dip indicated)

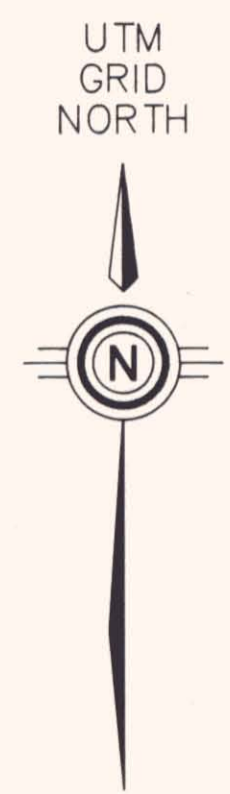
**PROTEROZOIC SEDIMENTARY ROCKS**

- |       |                |
|-------|----------------|
| qtzt  | quartzite      |
| cong  | conglomerate   |
| phyl  | phyllite       |
| argl  | argillite      |
| lmst  | limestone      |
| sist  | siltstone      |
| sdst  | sandstone      |
| mdst  | mudstone       |
| aspy  | arsenopyrite   |
| bx    | breccia        |
| c.gr. | coarse-grained |
| dol   | dolomitic      |
| f.gr. | fine-grained   |
| lmnt  | limonite       |
| m.gr. | medium-grained |
| py    | pyrite         |
| q.v.  | quartz vein    |
| qtz   | quartz         |
| tr    | trace          |
| vn    | vein           |



DWG 10  
093308

<b>WESTMIN</b> Westmin Resources Limited MINING DIVISION	
<b>HYLAND PROJECT</b> <b>VER/CJ PROPERTY</b> PYRITE CREEK AREA <b>GEOLOGY</b>	
Work By <b>I.L. TUCKER</b>	
Date Drafted <b>06/15/95</b>	
Drafted By	
Date Revised	
Revised By	
N.T.S. Number <b>95 D/5 &amp; 12</b>	Figure <b>12</b>



**CORE SAMPLES**

ERR173	TTC085	TTC093	TTC101
TTR056	TTC086	TTC094	TTC102
TTC079	TTC087	TTC095	TTC103
TTC080	TTC088	TTC096	TTC104
TTC081	TTC089	TTC097	TTC105
TTC082	TTC090	TTC098	TTC106
TTC083	TTC091	TTC099	TTC107
TTC084	TTC092	TTC100	TTC108

**SYMBOLS**

- 17 Survey Point
  - (H) Heli Pad
  - Outcrop
  - |— Rock Chip Sample Location
  - △ Rock Grab Sample Location
  - ◇ Rock Float Sample Location
  - Silt Sample Location
  - Soil Sample Location
- TTC067 Sample Number
- TT - Geologists Initials
  - C - Chip Sample
  - L - Silt Sample
  - S - Soil Sample
  - R - Rock Sample
  - T - Talus Sample

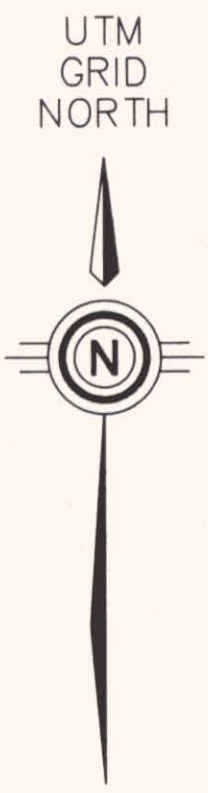
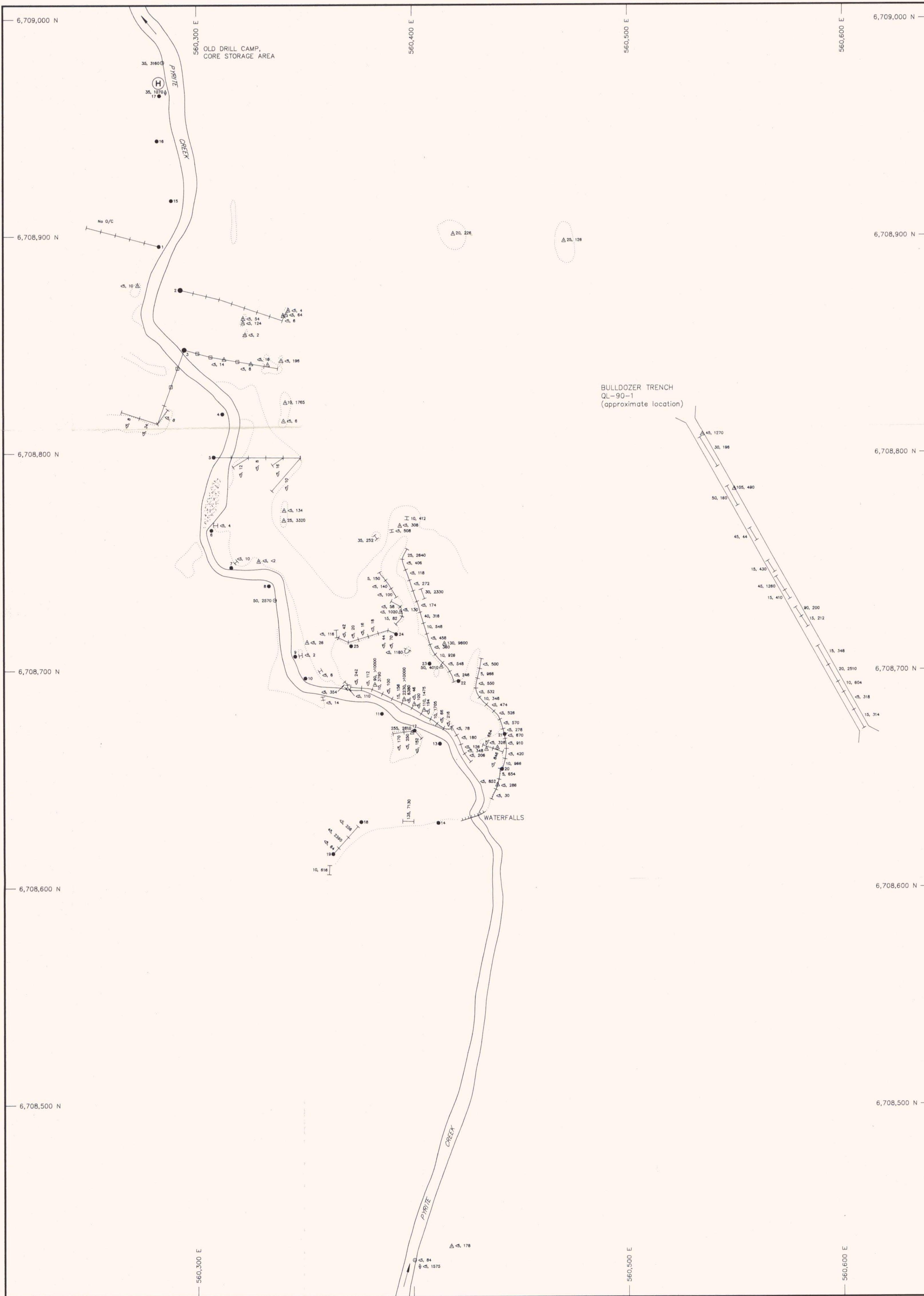
Note:  
Core samples labelled both R and C.

*David J. Tucker*  
  
 093308  
 DWL(11)

**WESTMIN** Westmin Resources Limited

Work By T.L. Tucker	<b>HYLAND PROJECT</b> VER/CJ PROPERTY PYRITE CREEK AREA SAMPLE LOCATION MAP
Date Drafted 06/15/95	
Drafted By R.A. Ivany	
Date Revised	
Revised By	
N.T.S. Number 95 D/5 & 12	 SCALE 1 : 1,000
File Name PY_SAMPL	

Figure  
**13**



**CORE SAMPLES**

ERR173 <math><S, 1430</math>	TTC085 <math><S, 4970</math>	TTC093 50, 844	TTC101 15, 460
TTR056 <math><S, 434</math>	TTC086 <math><S, 194</math>	TTC094 <math><S, 26</math>	TTC102 <math><S, 236</math>
TTC079 <math><S, 1310</math>	TTC087 <math><S, 216</math>	TTC095 <math><S, 90</math>	TTC103 <math><S, 76</math>
TTC080 <math><S, 804</math>	TTC088 <math><S, 152</math>	TTC096 <math><S, 2</math>	TTC104 10, 294
TTC081 5, 2440	TTC089 <math><S, 48</math>	TTC097 10, 722	TTC105 <math><S, 394</math>
TTC082 <math><S, 4890</math>	TTC090 <math><S, 40</math>	TTC098 5, 902	TTC106 <math><S, 78</math>
TTC083 15, 2220	TTC091 <math><S, 2550</math>	TTC099 5, 740	TTC107 <math><S, 20</math>
TTC084 10, 408	TTC092 <math><S, 498</math>	TTC100 <math><S, 334</math>	TTC108 <math><S, 26</math>

**SYMBOLS**

- $\bullet$  17 Survey Point
- (H)** Heli Pad
- Outcrop
- Rock Chip Sample Location
- $\Delta$  Rock Grab Sample Location
- $\diamond$  Rock Float Sample Location
- $\odot$  Silt Sample Location
- $\square$  Soil Sample Location

**GEOCHEMISTRY RESULTS**

AU IN PPB / AS IN PPM



**Westmin Resources Limited**

Work By T.L. Tucker
Date Drafted 06/15/95
Drafted By R.A. Ivany
Date Revised
Revised By
N.T.S. Number 95 D/5 & 12
File Name PY_AU_AS

**HYLAND PROJECT**  
VER/CJ PROPERTY  
PYRITE CREEK AREA  
GOLD/ARSENIC GEOCHEMISTRY

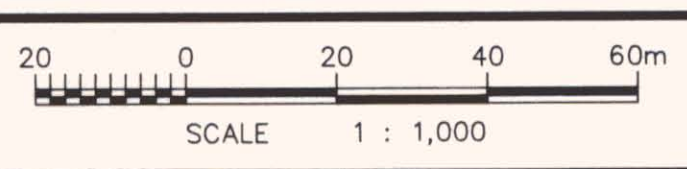


Figure  
**14**

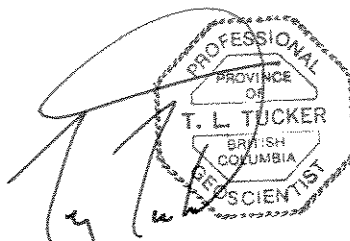
**APPENDIX A**  
**STATEMENT OF QUALIFICATIONS**

## STATEMENT OF QUALIFICATIONS

I, Terry L. Tucker, of the City of North Vancouver, in the Province of British Columbia, do hereby certify that:

1. I am registered as a professional geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia, residing at 555 St. James Road East, North Vancouver, British Columbia, V7N 1L5 with a business address at #904 - 1055 Dunsmuir Street, P.O. Box 49066, The Bentall Centre, Vancouver, British Columbia, V7X 1C4.
2. I am a graduate of the University of Alberta, Edmonton, Alberta (1989) with a Bachelor of Science degree (specialization in Geology).
3. I have been a practising geologist in Canada, Australia, the United States and Papua New Guinea since 1987.
4. I directly performed or supervised the work which is described in this report.

DATED this 19th day of June, 1995 at Vancouver, British Columbia.



Terry L. Tucker, B.Sc., P.Geo.  
Project Geologist

## APPENDIX A

## STATEMENT OF QUALIFICATIONS

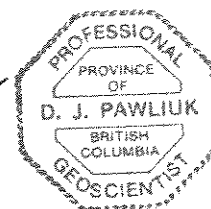
I, David J. Pawliuk, of Nanoose Bay, in the Province of British Columbia, hereby certify that:

1. I reside at R.R. 2, Box 133, Garry Oaks, Nanoose Bay, British Columbia, V0R 2R0.
2. I received a B.Sc. in Geology from the University of Alberta, Edmonton, Alberta in 1975.
3. I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.
4. I am registered as a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of the Province of Alberta.
5. I have practised geology in Canada since 1975.
6. I directly performed a portion of the work described in this report.

DATED this 19<sup>th</sup> day of June, 1995 at Vancouver, British Columbia.



David J. Pawliuk, B.Sc., P.Geo.  
Geologist



**APPENDIX B**  
**PERSONNEL**

<b>APPENDIX B</b>	
<b>PERSONNEL</b>	
<b>Name</b>	<b>Position</b>
Brian Dean	Geological Assistant
Adrienne Hanly	Geological Assistant
David Hladky	Geological Assistant
Sally Howson	Geological Assistant
David Pawliuk	Geologist
Vince Peckham	Junior Geologist
Ed Ratchford	Geologist
Yvonne Thornton	Geological Assistant
Jan Tindle	Cook
Terry Tucker	Project Geologist

**APPENDIX C**  
**STATEMENT OF EXPENDITURES**

## APPENDIX C

STATEMENT OF EXPENDITURES  
(VER1-262, CJ1-154 MINERAL CLAIMS)

CANADA - In the matter of airborne geophysical, linecutting, geological and geochemical assessment work filed on the VER1-262 and CJ1-154 mineral claims

I, David J. Pawliuk, agent for Westmin Resources Limited, #904 - 1055 Dunsmuir Street, Vancouver, British Columbia, do solemnly declare that a program consisting of three phases of work including airborne geophysical survey, linecutting and geological and geochemical survey work was carried out on the VER1-262 and CJ1-154 Mineral Claims during the period June 2 to 3, July 31 to August 3, September 2 to 21 and September 29 to October 10, 1994.

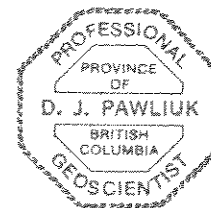
The expenses to follow on the next few pages were incurred during the course of this work and in the compilation and reporting of the results.

I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

DATED this 19<sup>th</sup> day of June, 1995 at Vancouver in the Province of British Columbia.



David J. Pawliuk, B.Sc., P.Geo.  
Geologist



APPENDIX C		
STATEMENT OF EXPENDITURES		
		Cost (\$)
<b>Phase I (June 2 to 3 - Geophysics; July 31 to August 3 - Geology and Geochemistry; September 3 to 10 - Linecutting)</b>		
Airborne geophysics (DIGHEM)		49,755
Prefield		
Terry Tucker, Project Geologist 1 day at \$250 per day	250	
Dave Pawliuk, Geologist 1 day at \$225	225	
Airphotos	300	
Maps/publications	200	975
Field program		
Personnel		
Terry Tucker, Project Geologist 4 days at \$250 per day	1,000	
Dave Pawliuk, Geologist 4 days at \$225 per day	900	
Ed Ratchford, Geologist 4 days at \$225	900	
Vince Peckham, Junior Geologist 4 days at \$160 per day	640	
Yvonne Thornton, Geological Assistant 4 days at \$150 per day	600	
Adrienne Hanly, Geological Assistant 4 days at \$150 per day	600	
David Hladky, Geological Assistant 4 days at \$150 per day	600	
Brian Dean, Geological Assistant 4 days at \$150 per day	600	
Jan Tindle, Cook 4 days at \$175 per day	700	6,540

<b>APPENDIX C</b>		
<b>STATEMENT OF EXPENDITURES</b>		
		<b>Cost (\$)</b>
Camp Support		
Supplies	3,373	
Radio rentals	300	
Computer rental	300	
Food and accommodation, 40 days at \$25 per day	1,000	
Expediting, 5 hours at \$35 per hour	175	
Fuel (diesel)	100	
Fuel (propane)	100	
Fixed wing (Otter), 2 trips at \$488 per trip	976	
Delivery and courier	500	6,824
Linecutting	14,322	14,322
Geochemistry and assays		
Soils, 343 samples at \$17 per sample	5,831	
Rocks, 20 samples at \$20 per sample	400	6,231
Transportation		
Helicopter, 7.1 hours at \$620 per hour	4,402	
Travel	9,357	
Truck rental	500	
Fuel (Jet B), 4 drums at \$174 per drum	696	14,955
Postfield		
Dave Pawliuk, Geologist		
5 days at \$225 per day	1,125	
Drafting	500	
Maps	500	2,125
<b>Total, Phase I</b>		<b>101,727</b>

<b>APPENDIX C</b>		
<b>STATEMENT OF EXPENDITURES</b>		
		<b>Cost (\$)</b>
<b>Phase II (September 2 to 21)</b>		
Prefield Maps/publications	300	300
Field program		
Terry Tucker, Project Geologist 20 days at \$250 per day	5,000	
Ed Ratchford, Geologist 20 days at \$225 per day	4,500	
Yvonne Thornton, Geological Assistant 20 days at \$150 per day	3,000	
Jan Tindle, Cook 20 days at \$175 per day	3,500	16,000
Camp support		
Food and accommodation 80 days at \$40 per day	3,200	
Cedar Lodge, 20 days at \$66 per day	1,320	
Field supplies	4,500	
Radio rental	1,410	
Computer rental	300	
Expediting, 10 hours at \$35 per hour	350	
Expense accounts	1,000	
Delivery and courier	1,000	13,080
Geochemistry and assays		
Silts, 27 samples at \$17 per sample	459	
Soils, 994 samples at \$17 per sample	16,898	
Rocks, 29 samples at \$20 per sample	580	17,937

<b>APPENDIX C</b>		
<b>STATEMENT OF EXPENDITURES</b>		
		<b>Cost (\$)</b>
Transportation		
Helicopter (Jet Ranger 206B)		
70.3 hours at \$691 per hour	48,577	
Fixed Wing (Otter)		
1 flight at \$500 per flight	500	
Fixed Wing (Beaver)		
1 flight at \$400 per flight	400	
Travel	4,500	
Truck rental	1,000	
Fuel (Jet B), 3 drums at \$174 per drum	522	55,499
Postfield		
Terry Tucker, Project Geologist		
5 days at \$250 per day	1,250	
Maps/publications	500	1,750
<b>Total, Phase II</b>		<b>104,566</b>

<b>APPENDIX C</b>		
<b>STATEMENT OF EXPENDITURES</b>		
		<b>Cost (\$)</b>
<b>Phase III (September 29 to October 10)</b>		
Prefield		
Terry Tucker, Project Geologist 2 days at \$250 per day	500	
Maps/publications	300	800
Field program		
Personnel		
Terry Tucker, Project Geologist 10 days at \$250 per day	2,500	
Dave Pawliuk, Geologist 10 days at \$225 per day	2,250	
Sally Howson, Geological Assistant 10 days at \$160 per day	1,600	
Vince Peckham, Junior Geologist 10 days at \$160 per day	1,600	7,950
Camp support		
Food and accommodation 40 days at \$40 per day	1,600	
Belvedere, 3.5 weeks at \$275 per week	963	
Field supplies	500	
Radio rental	500	
Computer rental	300	
Expense accounts	500	
Delivery and courier	500	4,863
Geochemistry and assays		
Silts, 3 samples at \$17 per sample	51	
Soils, 80 samples at \$17 per sample	1,360	
Rocks, 200 samples at \$20 per sample	4,000	5,411
Transportation		
Helicopter (Jet Ranger 206B) 15.8 hours at \$691 per hour	10,918	
Travel	4,000	
Truck rental	1,000	15,918

<b>APPENDIX C</b>		
<b>STATEMENT OF EXPENDITURES</b>		
		<b>Cost (\$)</b>
Postfield		
Terry Tucker, Project Geologist 24 days at \$250 per day	6,000	
Dave Pawliuk, Geologist 17 days at \$225 per day	3,825	
Drafting	2,850	
Maps	500	
Report costs	2,500	13,175
<b>Total, Phase III</b>		<b>50,617</b>
<b>Grand total, Phase I, II and III</b>		<b>256,910</b>

**APPENDIX D**  
**GEOCHEMICAL SAMPLE DESCRIPTIONS**

## WESTMIN RESOURCES LIMITED

## HYLAND PROJECT

SAMPLE NUMBER	NTS	DATE	ROCK INFORMATION
94HR044	95D/5	02-Aug 350 -E	350-E SUBCROP7, QUARTZITE, SILTSTONES, LOTS OF RUSTY SEDIMENTS AROUND
94HR083	95D/5	02-Aug 1300 -E	1300-E QUARTZITE
94DHR03	95D/12	23JULY	3560R, OUTCROP ON WEST SIDE OF VALLEY, LIMESTONES, PIPES OF CRYSTALLINE ROCK REACTING WITH HCL
94DHR04	95D/12	23JULY	3550R, RIDGE ON WESTSIDE OF VALLEY ABOVE LAKE, LIMESTONE, PALE BROWN/ORANGE IN COLOR WITH PALE-WHITE VEINS REACTING WITH HCL, MOST VIOLENT
94DHR05	95D-5	1AUG	4200R, ON SOUTH-WESTERN SL 100m
94DHR01	95D/12	22JULY	TAKEN AT 94YTS01 AT 4420R, S - E OUTCROP ON TOP OF FLANK, MASSIFS OF QUARTZ (ORANGE, SMOKEY, ROSE, WHITE, CLEAR), ANGLED 81 S OF E
94DHR02	95D/12	22JULY	STRIKE 178 N OF E, DIP 06, SHALE, SD. ST., 4250FT, VEIN 10cm
94DPC172	95D/12	03-OCT	CHIP ACROSS 5 M. PALE BROWN GREY CHERTY QTZT WITH ORANGE BROWN LMNT ON WX'D SFCS. GREENISH YELLOW SCORODITE STAIN IN PATCHES. SERICITE PRESENT.
94DPC173	95D/12	03-OCT	CHIP ACROSS 5 M. SERICITIC QTZT WITH PY DISS AND AS IRREGULAR MASSES TO 3 X 8 MM. ALSO BROWNISH WHITE QUARTZ VEINS TO 5 CM WIDE, SOME OF WHICH ARE TENSION G
94DPC174	95D/12	03-OCT	MED TO COARSE GRAINED SERICITIC QTZT SOMEWHAT INDURATED WITH SILICA. RED-BROWN LMNT ON WX'D SFCS. MILKY WHITE QTZ VEIN 22 CM WIDE STR 063/8
94DPC175	95D/12	03-OCT	CHIP ACROSS 5 M. SERICITIC QTZT WITH QTZ VEIN APPROX. 40 CM WIDE, STR 078/89 NW, WARPED. ALSO SUBPARALLEL LENSOID QTZ VNS TO 8 CM. PROBABLY UP TO 10 % PY ACRO
94DPC176	95D/12	03-OCT	CHIP ACROSS 5 M. LIGHT GREY, MED. GR. QTZT WITH AV. 4 % VERY FINE DISS PY. PY ALSO AS FAINT VLTS TO 4 MM WIDE AND UP TO SAY 35 CM LONG, GENERALLY WITH STEEP TO
94DPC177	95D/12	03-OCT	CHIP ACROSS 5 M. MASSIVE, THICKLY BEDDED QTZT WITH 5 TO 8 % FINE SOOTY PY WITH OCC. FAINT VLTS TO 3 MM WIDE AND UP TO 1 METRE LONG. WHITE QTZ VEIN STR 052/75 N
94DPC178	95D/12	03-OCT	CHIP ACROSS 5 M. SERICITIC MED GR QTZT CONTAINS QTZ VN 20 TO 50 CM WIDE STR 119/88 NE.
94DPC179	95D/12	03-OCT	CHIP ACROSS 5 M. MED GR SERICITIC QTZT WITH OFF-WHITE KAOLINITE(?) AS SPOTS UP TO 2 X 4 MM ACROSS IN SOUTHERNMOST 100 CM OF INTERVAL.
94DPC181	95D/12	04-OCT	CHIP ACROSS 2.5 M. ROCK DARK BROWN TO YELLOW BROWN, CEMENTED BY LMNT. SUBROUND TO ANGULAR PEBBLES AND COBBLES OF PHYLLITE AND QTZT COMPRISE 40 TO 70 % R
94DPC182	95D/12	04-OCT	CHIP ACROSS 2 M. ROCK AS FOR 94DPC181 ABOVE EXCEPT FOR SOME WELL ROUNDED PEBBLES SEEN.
94DPC183	95D/12	04-OCT	CHIP ACROSS 3 M. PALE BROWNISH GREY FINE TO MEDIUM GRAINED QTZT WITH 1 TO 2 % KAOLINITE AS OFF-WHITE SPOTS. UPPER QTZT.
94DPC184	95D/12	04-OCT	CHIP ACROSS 3.5 M. TOP 3 M AND BOTTOM 0.5 M OUT OF 5 SAMPLED. TOP OF GULLY, SERICITIC MED. GR. QTZT WITH ABOUT 1 % SOOTY DISS PY. SILICA INDURATED.
94DPC185	95D/12	04-OCT	CHIP ACROSS 5 M. TOP 1.5 M QTZT, BOTTOM 3.5 M PHYLLITE. PHYLLITE GREY, THINLY BEDDED ON MM SCALE, PATCHY ORANGE BROWN LMNT ON WX'D SFC. BEDS SUBHORIZONTAL
94DPC186	95D/12	04-OCT	CHIP ACROSS 5 M. 80 % PHYL, 20 % QTZT INTERBEDDED ON CM SCALE. QTZT FINE GRAINED, LIGHT GREY EXCEPT FOR ONE QTZT BED 0.8 M THICK.
94DPC187	95D/12	04-OCT	CHIP ACROSS 5 M. TOPMOST 0.5 M PHYL, REMAINDER MED. GRAINED SERICITIC QTZT WITH 0.5 % KAOLINITE, AND LOCAL 5 % PY DISS AND AS IRREGULAR MASSES.
94DPC188	95D/12	04-OCT	CHIP ACROSS 5 M. QTZT 80 %, PHYL 40 % INTERBEDDED ON CM SCALE, WITH SERICITE AS SEEN ABOVE AND ONLY LOCAL TRACE KAOLINITE. OCC. PY VLTS TO 5 MM IN QTZT. INTER
94DPC190	95D/12	04-OCT	CHIP ACROSS 5 M. 50 % PHYL, 50 % QTZT.
94DPC191	95D/12	05-OCT	CHIP ACROSS 4 M. INTERVAL 80 % GREY PHYLLITE, 40 % QTZT. LOCAL 3 % PY IN QTZT. SMALL OPEN FOLDS IN PHYLLITE WITH AXES TREND 163 PLUNGE 06 TO SOUTH; THIS MEASURE
94DPC192	95D/12	05-OCT	CHIP ACROSS 4 M. 0.5 M LMST, 0.5 M "SKARN", 3 M SILICIFIED LMST WITH LOCAL 2 % PY, SMEARS OF GRAPHITE TO FEW MM. SILICIFIED LMST CONTAINS 5 TO 10 % OFF-WHITE QTZ V
94DPC193	95D/12	05-OCT	CHIP ACROSS 3.5 M. FINE GR. QTZT WITH GREY PHYLLITE INTERBEDS. BEDS STR 123/43 NE. PATCHY ORANGE OR RED LMNT ON WX'D FRACTURE SFCS. LOCAL TR DISS PY.
94DPC194	95D/12	05-OCT	CHIP ACROSS 5 M. DARK GREY LMST WITH 5 % IRREGULAR QTZ VLTS TO 20 MM WIDE IN LOWER HALF OF INTERVAL. LMST FOLDED IN BOTTOM OF EXPOSURE. NO PY SEEN.
94DPC195	95D/12	05-OCT	CHIP ACROSS 2.5 M. DARK GREY FRIABLE LMST BEDDED ON MM SCALE, WITH RARE ORANGE LMNT SPOTS TO FEW CM ACROSS. NO SULPHIDES SEEN. TIGHT SUBHORIZONTAL FOLDS P
94DPC196	95D/12	05-OCT	CHIP ACROSS 1.5 M. LIGHT GREYISH GREEN PHYLLITE WITH LOCAL RED TO ORANGE-RED LMNT STAIN ON WX'D SFC.
94DPC198	95D/12	05-OCT	CHIP ACROSS 2 M. LIGHT GREY-GREEN PHYLLITE BEDS STR 005/57E LOCAL YELLOW-ORANGE STAIN. OFTEN SERICITE SHEEN ON SFCS.
94DPC199	95D/12	05-OCT	CHIP ACROSS 1.5 M. LIGHT GREY-GREEN PHYLLITE.
94DPR004	95D/5	18-Jul AT DPV003.	GRAB QTZ VEIN BOULDER WITH CHOCOLATE BROWN LIMONITE.
94DPR005	95D/5	18-Jul AT DPV003.	GRAB GRITTY QUARTZITE WITH QUARTZ VEINLETS AND DISSEMINATED LIMONITE.
94DPR006	95D/5	18-Jul IN STREAM	GRAB VEIN QUARTZ FLOAT WITH QUARTZ VEINLETS AND ORANGE BROWN LIMONITE.
94DPR008	95D/5	18-Jul	GRAB GRITTY QUARTZITE WITH FINE QUARTZ VEINLETS AND LIMONITE; FLOAT.
94DPR009	95D/5	18-Jul	GRAB VEIN QUARTZ; FLOAT.
94DPR011	95D/5	18-Jul 1220 M UPSTREAM OF MOUTH.	GRAB FEW PIECES OF LIMONITIC PHYLLITE SAMPLED; FLOAT.
94DPR044	95D/5	21-Jul	GRAB NUMEROUS PIECES OF WHITE VEIN QUARTZ FLOAT AT DPV43 SAMPLE SITE.
94DPR047	95D/12	23-Jul ELEV. 4662 FT. NUMEROUS PIE	GRAB ABUNDANT BROWNISH RED TO ORANGE BROWN LIMONITE COATS PHYLLITE FLOAT PIECES TO 10 CM ACROSS. RUSTY FLOAT WITHIN AREA SAY 3 BY 4 M. ROCK AP
94DPR099	95D/5	01-Aug ELEV. 4669 FT. DOWNSLOPE OF GRAB	GRAB IRON-RICH, SIDERITE ROCK AS FLOAT FROM BETWEEN LIMESTONE OUTCROP AND BLEACHED PHYLLITE OUTCROP. SAMPLE OF ABOUT 8 PIECES OF ANGULAR FLO
94DPR100	95D/5	01-Aug ELEV. 4649 FT.; EAST OF FOLD	GRAB BROWN, LIMONITIC QUARTZITE FLOAT; ROCK MEDIUM GRAINED WITH LIMONITE AND SILICA CEMENT. OCCASIONAL OFF-WHITE QUARTZ VEINLETS TO FEW MM WI
94DPR101	95D/5	01-Aug ELEV. 4629 FT. TAKEN IN CENT	GRAB THREE FLOAT BOULDERS OF MEDIUM GRAINED, LIMONITE- AND CALCITE-CEMENTED QUARTZITESAMPLED. THE BOULDERS CONTAIN VERY FINELY DISSEMINATED
94DPR102	95D/5	02-Aug ELEV. 5682 FT. TAKEN NORTH O	GRAB ANGULAR FLOAT OF ORANGE-BROWN WEATHERING CALCAREOUS QUARTZITE WITH 0.5 TO 1 % FINELY DISSEMINATED PYRITE. PYRITE ALSO AS SUBHEDRAL CUBE
94DPR103	95D/5	02-Aug ELEV. 5276 FT. TAKEN ON NORT	GRAB SEVERAL PIECES OF ANGULAR FLOAT FROM BAND 1 TO 2 M WIDE, AT LEAST 12 M ALONG STRIKE; BAND TRENDS 022 DEG. SAMPLE LIKELY LOCAL BEDROCK. ROC
94DPR104	95D/5	03-Aug ELEV. 5325 FT. ON TOP OF RID	GRAB LIMONITIC QUARTZ VEIN 35 TO 200 CM WIDE, STRIKE 083 DEG. DIP SUBVERTICAL. MAYBE ALONG THE SURFACE EXPRESSION OF A N-TRENDING FAULT AS THE VEI
94DPR105	95D/5	03-Aug ELEV. 5302 FT. ON WESTERN E	GRAB LIMESTONE LIGHT BROWN ON WEATHERED SURFACE, MODERATELY BRECCIATED WITH 4 % LENSOID QUARTZ VEINS UP TO 8 CM WIDE. ORANGE-BROWN LIMONIT
94DPR106	95D/5	03-Aug ELEV. 5299 FT. ON SOUTH SIDE	GRAB BAND OF RUSTY ORANGE-BROWN WEATHERED LIMONITIC, FINE GRAINED QUARTZITE WITH LOCAL 0.5 TO 1 % FINELY DISSEMINATED PYRITE.
94DPR180	95D/12	04-OCT	GRAB LENS-SHAPED BODY ABOUT 2.4 M X 0.7 M WITH BRIGHT PY MASSES, SUBHEDRAL XTALS, AV. SAY 1 X 2 CM IN A MATRIX OF FINE PY GRAINS. PY LENS MAY BE ALON
94DPR189	95D/12	04-OCT	CHIP ACROSS 30 CM
94DPR197	95D/12	05-OCT	GRAB FAULT BRECCIA STRIKE 094/81 N, 30 CM WIDE, CEMENTED BY DARK BROWN LIMONITE AS IN CONGLOMERATE ATOP GULLY. ANGULAR CLASTS OF QTZT UP TO 3 X
94DPR200	95D/12	05-OCT	GRAB GRAB FROM FEW PLACES ALONG FAULT STR 059/52 SE. FAULT 20 CM WIDE, ORANGE LMNT STAINED, CONTAINS LENSES AND PODS OF QTZT WITH LOCAL SPECULA
94ERR057	95D/5	31-Jul SAMPLE COLLECTED IN THE TR	GRAB SCHISTOSE GREY PHYLLITE WITH ABUNDANT SERICITE AND LOCAL PATCHES BROWN-ORANGE LMNT ON WX'D FRACTURE SFCS; NO SULPHIDES SEEN. GRAB FROM
94ER-R059	95D/5	31-Jul ROCK SAMPLE COLLECTED IN THE TR	GRAB SAMPLE OF BRECCIATED LIMESTONE FLOAT WITH CALCITE VEINLETS AND IRON OXIDES.
94ER-R060	95D/5	31-Jul	GRAB ROCK SAMPLE IS HIGHLY ALTERED AND COMPOSED PRINCIPALLY OF IRON OXIDES AND CARBONATE. ORIGINAL PROTOLITH UNKNOWN. SAMPLE WAS COLLECTED WITHIN AN INTER
94ER-R061	95D/5	31-Jul	GRAB ROCK SAMPLE CONSISTS OF ARGILLICALLY ALTERED GRAY LIMESTONE WITH ABUNDANT VEINLETS OF CALCITE AND IRON OXIDES. SAMPLE CONTAINS A HIGH DEGREE OF BEDDIN
94ER-R062	95D/5	01-Aug	GRAB ROCK SAMPLE OF ARGILLICALLY ALTERED GRAY QUARTZITE COLLECTED ALONG ONE OF A SERIES OF PARALLEL FAULT SCARPS.
94ER-R063	95D/5	01-Aug	GRAB ROCK SAMPLE COLLECTED OF IRON OXIDIZED QUARTZITE WITHIN A FAULT ZONE. STOCKWORK QUARTZ VEINING IS COMMON TO THE SAMPLE MATERIAL.
			GRAB ROCK SAMPLE OF BRECCIATED AND IRON OXIDIZED QUARTZITE WITHIN A FAULT ZONE. QUARTZ VEINLETS ARE COMMON TO THE SAMPLE.

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SAMPLE NUMBER	NTS	DATE	ROCK INFORMATION
94ER-R064	95D/5	01-Aug	SAMPLE WAS COLLECTED ON A GRAB ROCK SAMPLE CONSISTS OF BRECCIATED AND IRON OXIDIZED QUARTZ-BEARING CONGLOMERATE THAT WAS COLLECTED FROM A FAULT ZONE.
94ER-R067	95D/5	03-Aug	SAMPLE WAS COLLECTED FRO GRAB ROCK SAMPLE CONSISTS OF BRECCIATED QUARTZITE THAT IS HEAVILY STAINED WITH HEMATITE AND LIMONITE AND CONTAINS ABUNDANT QUARTZ VEINLETS. FRESH SURFACES O
94ER-R088	95D/5	03-Aug	SAMPLE WAS COLLECTED ON A GRAB ROCK SAMPLE CONSISTS OF BRECCIATED LIMESTONE FLOAT WITH CALCITE AND HEMATITE-FILLED VEINLETS. THE LIMESTONE IS DARK GRAY AND MICRITIC.
94-ER-R147	95D/5	25-Aug	ROCK SAMPLE COLLECTED IN T GRAB ROCK SAMPLE OF BRECCIATED AND IRON-STAINED, GRAY, QUARTZ-BEARING CONGLOMERATE FLOAT.
94-ER-R148	95D/5	25-Aug	ROCK SAMPLE COLLECTED ON GRAB ROCK SAMPLE OF IRON-STAINED QUARTZITE THAT IS INTERBEDDED WITH GREEN-WEATHERING AND IRON-STAINED PHYLLITE. NOTE THAT THIS ENTIRE TOPOGRAPHIC PEAK IS HEA
94-ER-R149	95D/5	25-Aug	ROCK SAMPLE COLLECTED IN T GRAB ROCK SAMPLE OF IRON-STAINED, GRAY QUARTZITE WITH ROUNDED QUARTZ CLASTS UP TO 1 MM IN SIZE.
94-ER-R150	95D/5	25-Aug	ROCK SAMPLE COLLECTED IN T GRAB FLOAT SAMPLE OF IRON-MAGANESE-STAINED QUARTZITE COLLECTED IN A TALUS DEPOSIT.
94-ER-R152	95D/5	28-Aug	ROCK SAMPLE COLLECTED IN T GRAB ROCK SAMPLE COLLECTED OF FINE-MEDIUM-GRAINED, SLIGHTLY CALCAREOUS QUARTZITE WITH A METALLIC GRAY MINERAL WITH A CUBIC HABIT WHICH IS THOUGHT TO BE ARSE
94-ER-R153	95D/5	29-Aug	ROCK SAMPLE COLLECTED IN T GRAB ROCK SAMPLE OF GRAY, SILICEOUS, AND IRON-STAINED QUARTZITE WITH ABUNDANT SOLUTION CAVITIES.
94-ER-R155	95D/5	29-Aug	ROCK SAMPLE COLLECTED IN T GRAB ROCK SAMPLES OF IRON-STAINED AND PYRITE-BEARING QUARTZITE FLOAT AND IRON-STAINED AND HIGHLY SHEARED CONGLOMERATE FLOAT AT THE SAME LOCALITY.
94-ER-R156	95D/5	30-Aug	ROCK SAMPLE COLLECTED ON GRAB ROCK SAMPLE CONSISTS OF BROWN-MARRON, HIGHLY ALTERED SIDERITE WITH ANASTOMOSING SHEARS AND ABUNDANT FE <sup>2+</sup> -STAINING.
94-ER-R157	95D/5	30-Aug	ROCK SAMPLE COLLECTED ON GRAB ROCK SAMPLE OF HIGHLY ALTERED AND SILICIFIED FAULT GOUGE FLOAT. ORIGINAL PROTOLITH APPEARS TO BE BROWN QUARTZITE. SAMPLE CONTAINS ABUNDANT LIMONITE, CA
94-ER-R158	95D/5	30-Aug	ROCK SAMPLE COLLECTED ON GRAB ROCK SAMPLE OF LIMESTONE BRECCIA WITH FE <sup>2+</sup> -STAINED CLASTS OF BROWN-MARRON QUARTZITE.
94-ER-R159	95D/5	30-Aug	ROCK SAMPLE COLLECTED ON GRAB ROCK SAMPLE OF BROWN-MARRON WEATHERING, FINE-GRAINED, DOLOMITIC SANDSTONE AND QUARTZITE. THESE ROCKS ARE INTERBEDDED WITH THE MICRITES.
94-ER-R166	95D/12	08-Sep	ROCK SAMPLE COLLECTED AL GRAB ROCK SAMPLE OF DARK GRAY, HIGHLY CARBONACEOUS AND SILICEOUS LIMESTONE. SAMPLE IS HIGHLY BRECCIATED AND SHEARED WITH QUARTZ VEINLETS.
94-ER-R168	95D/12	08-Sep	ROCK SAMPLE COLLECTED ON GRAB ROCK SAMPLE OF RED-WEATHERING, FERRICRETE CONGLOMERATE. SAMPLE IS MATRIX SUPPORTED, AND CONTAINS MULTILITHIC CLASTS OF QUARTZITE, PHYLLITE, SILICEOUS G
94-ER-R170	95D/12	10-Sep	ROCK CHIP SAMPLING ACROSS GRAB ROCK CHIP SAMPLES CONSISTING OF PHYLLITE (?).
94-ER-R171	95D/12	10-Sep	ROCK CHIP SAMPLE COLLECTE GRAB ROCK SAMPLE OF RELATIVELY UNALTERED PHYLLITE AND FINE-GRAINED, SILICEOUS QUARTZITE.
94-ER-R172	95D/12	10-Sep	ROCK CHIP SAMPLE COLLECTE SAMPLE CONSISTS OF HIGHLY ALTERED PHYLLITE WITH ABUNDANT HEMATITE, LIMONITE, AND SECONDARY SILICIFICATION. THIS MATERIAL IS MUCH MORE ALTERED THAN THE MATERIAL
94-ER-R173	95D/12	10-Sep	DRILL CORE SAMPLES OF MAS DRILL CORE SAMPLE CONSISTS OF SILICIFIED AND BRECCIATED DARK GRAY LIMESTONE AND SILICIFIED PHYLLITE WITH PYRITE AND SPHALERITE MASSIVE SULFIDES.
94-ER-R174	95D/12	10-Sep	DRILL CORE SAMPLES COLLEC DRILL CORE SAMPLES OF DARK GRAY SILICIFIED LIMESTONE THAT WERE TAKEN FROM HOLE 90 AT A DEPTH OF 190 FEET ACCORDING TO THE RECORDS ON THE OUTSIDE OF THE CORE
94-ER-R175	95D/12	10-Sep	DRILL CORE SAMPLES COLLEC DRILL CORE SAMPLE CONSISTS OF BRECCIATED AND SILICIFIED, DARK GRAY LIMESTONE WITH MASSIVE PYRITE AND SPHALERITE. SAMPLES WERE TAKEN FROM HOLE 139 AT 300 FEET
94-ER-R178	95D/12	10-Sep	DRILL CORE SAMPLES COLLEC DRILL CORE SAMPLE CONSISTS OF BRECCIATED AND SILICIFIED, DARK GRAY LIMESTONE WITH MASSIVE PYRITE. SAMPLES WERE TAKEN FROM HOLE 133 AS INDICATED ON THE OUTSIDE
94TTR000	95D/5	18-Jul	3480 elev. south side q.v. in ss grab
94TTR001	95D/5	18-Jul	coarse grained fe altered seds - 36 float
94TTR002	95D/5	18-Jul	4240 elev very rust weathered con grab
94TTR003	95D/5	20-Jul	rusty coarse grained grit unit- 4560 float
94TTR004	95D/5	20-Jul	rusty qtzite with bands of py altere float
94TTR005	95D/5	20-Jul	ss with q.v stockwork limonite sds grab
94TTR006	95D/5	20-Jul	ss with minor 1-2mm q.v with limon float
94TTR007	95D/5	21-Jul	3770' black limestone with quartz s float
94TTR008	95D/12	22-Jul	2990 massive coarse grit unit with grab
94TTR009	95D/12	22-Jul	3800 massive dark gray limestone grab
94TTR010	95D/12	22-Jul	calc silicate skarn? float 4450' float
94TTR011	95D/12	22-Jul	subcrop of qtz stockworked seds, l subcrop
94TTR012	95D/12	23-Jul	very limonitic altered sed it is float float
94TTR013	95D/12	23-Jul	calcareous rusty float sediments - grab
94TTR014	95D/12	23-Jul	med gray fresh brown weathered s grab
94TTR015	95D/12	23-Jul	5450' 3 m wide sil ca rich zone in s grab
94TTR016	95D/12	23-Jul	5410' hw of lat fine grain siliceous grab
94TTR017	95D/13	24-Jul	at 5090' - light brown to gray fresh float
94TTR021	95D/12	28-Jul	limestone float just downstream fro float
94TTR022	95D/12	28-Jul	float of fe carb altered limestone. float
94TTR023	95D/12	29-Jul	carb altered ss float float
94TTR024	95D/12	29-Jul	completely fe altered ss float float
94TTR025	95D/12	29-Jul	black seds o/c in creek float
94TTR026	95D/5	31-Jul	very rusty limonitic altered arg float float
94TTR027	95D/5	01-Aug	4600' limonitic altered limestones grab
94TTR028	95D/5	01-Aug	5380' very limonitic qtz pebble con grab
94TTR029	95D/5	01-Aug	5180' massive quartz with abundan grab
94TTR030	95D/5	02-Aug	5040 feet limonitic fe altered mudst grab
94TTR031	95D/5	02-Aug	5390 feet fe altered qv float
94TTR032	95D/5	03-Aug	RIDGE TO EAST OF HYLAND AL. CHIP/1.1M
94TTR039	95D/5	03-Sep	3200' grab
94TTR040	95D/5	04-Sep	at dropoff point 3250' float
94TTR041	95D/5	04-Sep	east side py creek grab
94TTR042	95D/5	04-Sep	at 3400' grab
94TTR043	95D/5	04-Sep	3470' east side pyrite creek small r grab

RIDGE TO EAST OF QTZ LAKE MARBLE

MCMILLAN PROP. massive py minor gn in fault gouge

semimassive py 20-30% in a siliceous matrix

massive ss of qtzite with 1-2% py dis to locally massive. lots of secondary silica

silicified sediment originally a qtzite minor disseminated aspy

silicified sediment originally a qtzite minor disseminated aspy

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SAMPLE NUMBER	NTS	DATE	ROCK INFORMATION
94TTR044	95D/5	08-Sep 4820'	float fe carb altered sediment
94TTR045	95D/5	09-Sep 4700'	float fe carb altered ss minor black argillite beds
94TTR046	95D/5	15-Sep	GRID
94TTV018	95D/5	04-Sep	pyrite creek 3250'
94VPR001	95D/5	20-Jul 5364 FT. ELEVATION ON EAST SIDE OF CREEK IN THE A	AT END OF TRAVERSE. SHALE, PHYLLITE, FINE-GRAINED, GREEN AND GREY SANDSTONE, TILL OR FROST-HEAVED MATERIAL IN THE DRAINAGE AREA.
94VPR005	95D/5	19-Jul SAME SITE AS SEIVED SOIL SAMPLE VPV005	COBBLE OF PYRITE-RICH GREY QUARTZITE (RED WEATHERING) FROM STREAM.
94VPR007	95D/5	21-Jul 4380 FT. ELEVATION CLOSE TO SCREE MATERIAL/FAL	GREY-GREEN SANDSTONE WITH MANY VEINLETS OF QUARTZ.(3 PEICES OF ROCK IN SAMPLE BAG.
94VPR008	95D/5	21-Jul 4232M ELEVATION. 80M WEST OUTCROP IS 5M LONG	FINE TO MEDIUM GRAINED GREY SANDSTONE WEATHERING ORANGE (LIMONITE).
94VPR009	95D/5	21-Jul BASE OF OUTCROP IS AT SAME LENGTH 50M	YELLOW WEATHERING , GREY, THINLY LAMINATED SHALE. BEDDING 282/22 . 20M HIGH EXPOSURE.
94VPR010	95D/5	21-Jul 4003M elev. at seve site DHV028	FINE GRAINED GREY QUARTZITE SIMILAR TO VPR008 IN CONTACT WITH GREY, THINLY LAMINATED SHALE (CONTACT COVERED IN DIRT)-SHALE SIMILAR TO VPR00
94VPR011	95D/5	21-Jul 4200M ELEV. NORTH OF STREA OUTCROP IS 5M IN LE	FINE TO MEDIUM GRAINED ALAKALI FELDSPAR GRANITE WITH SMALL LENSES OF PLAG. PHENOCRYSTS (4MM). ALAKALI GRANITE IS 35% PLAG,35%KSPAR,30% QUA
94VPR030	95D/12	23-Jul ELEV 3490 FT.GRASS MEADOW FROST HEAVED BLOC	UNIT 1D: LIGHT GREY WEATHERING FINE GRAINED LIMESTONE".
94VPR068	95D/5	02-Aug ELEV 4950 FTBETWEEN SURVE IRON-OXIDIZED GREY FINE-GRAINED QUARTZITE. EXPOSURE LENGTH 5M, HEIGHT 3M. QUARTZ VEINING PARALLEL TO FAULT SURFACE.	
94VPR070	95D/5	03-Aug ELEV 4925 FT IN SADDLE BETW QUARTZ VEIN/20CM (C	
94VPR071	95D/5	03-Aug ELEV 4800 FT.ELEV. 4800FT. NO LIMONIZED QUARTZIT	RED WEATHERING, FINE-GRAINED QUARTZITE. QUARTZ VEIN STOCKWORK PRESENT. IN AREA OF TOPOGRAPHIC LOW - POSSIBLE HIGH ANGLE FAULT ?
94YTL022	95D/5	07-SEPT	2870-N DRY CRK.
94YTL023	95D/5	07-SEPT	3515-N SMALL PILE OF SILT FEFT FROM MINOR FLOODING-SPRING RUN-OFF?
94YTL024	95D/5	07-SEPT	3560-N DRY CRK WASH OUT. MAJOR GRAVEL HAS BEEN MOVED.
94YTL025	95D/5	07-SEPT	4080-N WASH OUT FILLED W/ LIMESTONE FLOAT.
94YTL028	95D/5	08-SEPT	4380-FT IN WASH OUT
94YTL028	95D/12		SAMPLE TAKEN AT 2800-S 7875-E
94YTR011	95D/5	08-SEPT	O/C 'GREY LIMESTONE W/ CALSITE VEINS
94YTR012	95D/5	08-SEPT	S.S. W/ CALSITE &SMALL AMOUNT OF MAGNETITE
94YTR013	95D/12	11-SEPT	285-N GR. & BR. PHILITE W/BLACK FLAKES SOME STORLITES
94YTR006	95D/5	08-SEPT	IN WASH OUT, RUSTY LIMESTONE W/ CALSITE,PYRITE

## WESTMIN RESOURCES LI

## HYLAND PROJECT

## SAMPLE NUMBER

94AHR044  
 94AHR063  
 94DHR03  
 94DHR04 REACTION WITH WHITE PEICES  
 94DHR05  
 94DHVR01  
 94DHVR02 RITE, VEIN ABOUT 4 - 5 IN.  
 94DPC172  
 94DPC173 SHES. PY VLTS STR 045/71 SE.  
 94DPC174 NW; NO SULPHIDES IN VEIN.  
 94DPC175 S 25 CM, AV. 3 %.  
 94DPC176 ODERATE DIPS. WHITE QTZ VN STR 075/SUBVERTICAL PROBABLY EMPLACED ALONG SHEAR. SOOTY GREY PY AND CLAY ALONG VN M  
 94DPC177 EMPLACED ALONG SHEAR.  
 94DPC178  
 94DPC179  
 94DPC181 CK VOLUME. NO SULPHIDES SEEN. COBBLES UP TO 30 CM DIAMETER, PEBBLES AV. 1 TO 2 CM DIAMETER.  
 94DPC182  
 94DPC183  
 94DPC184  
 94DPC185 OR SHALLOW DIP TO NW. VEIN QTZ PATCHES TO 25 CM ACROSS ALONG PHYL/QTZ CONTACT.  
 94DPC186  
 94DPC187  
 94DPC188 AL INCLUDES 30 CM WIDE FAULT BRECCIA(?) CEMENTED BY LIMONITE.  
 94DPC190  
 94DPC191 EAST OF PROB. FLT STR 187/88 E.  
 94DPC192 TS AV. 2 MM WIDE, AND LOCAL TRACES PY. HAND SAMPLE TAKEN.  
 94DPC193  
 94DPC194  
 94DPC195  
 94DPC196  
 94DPC198  
 94DPC199  
 94DPR004  
 94DPR005  
 94DPR006  
 94DPR008  
 94DPR009  
 94DPR011  
 94DPR044  
 94DPR047 EARS CORRODED WITH IRREGULAR CAVITIES UP TO 30 MM ACROSS ON WEATHERED SURFACE. NO SULPHIDES SEEN.  
 94DPR099 T; LIKELY REPRESENTATIVE OF LOCAL OUTCROP.  
 94DPR100 E. NO SULPHIDES SEEN.  
 94DPR101 YRITE AS IRREGULAR MASSES UP TO ABOUT 0.5 MM ACROSS. THE BOULDERS HAVE A WEATHERED RIND OF BRIGHT ORANGE LIMONITE FRO  
 94DPR102 TO 3 MM ACROSS. ROCK APPEARS TO CONTAIN AT LEAST 25 TO 30 % CALCITE AND LOCALLY MAY BE SANDY LIMESTONE RATHER THAN A  
 94DPR103 APPEARS TO BE HEALED FAULT BRECCIA, MODERATELY BRECCIATED AND CEMENTED WITH IRON OXIDES. ARGILLIC ALTERATION HAS  
 94DPR104 APPEARS TO BEND. THIS FAULT? MAY HAVE RIGHT-LATERAL DISPLACEMENT.  
 94DPR105 ON FRACTURE SURFACES; NO SULPHIDES SEEN. ZONE 1 M WIDE AND 30 M ALONG STRIKE OF 164 DEGREES.  
 94DPR106  
 94DPR180 FAULT; LIMITED EXPOSURE SO DIFFICULT TO DETERMINE. WALLROCK CHERTY QTZT WITH LMNT AFTER PY(?) IN VLTS.  
 94DPR189 CM ACROSS. SAY 5 TO 8 % DISS PY OVER A COUPLE OF CM IN QTZT WALLROCK ADJACENT TO FAULT.  
 94DPR197 HEMATITE. TRACES V. F. DISS PY SEEN. PROB. A NORMAL FAULT WITH SAY 9 ?? M DISPLACEMENT.  
 94DPR200 SEVERAL PLACES OVER 2 X 2 M AREA.  
 94ERR057  
 94ER-R059 EDED LIMESTONE AND QUARTZITE SEQUENCE.  
 94ER-R060 PARALLEL SHEARING.  
 94ER-R061  
 94ER-R062  
 94ER-R063

## WESTMIN RESOURCES LI

## HYLAND PROJECT

## SAMPLE NUMBER

94ER-R084  
94ER-R087 THE QUARTZITE ARE BROWN, FINE-GRAINED, AND NON-CALCAREOUS.  
94ER-R088  
94-ER-R147  
94-ER-R148 ILY IRON-STAINED AND IS NOTICEABLE FROM SEVERAL KILOMETERS.  
94-ER-R149  
94-ER-R150  
94-ER-R152 OPYRITE (?).  
94-ER-R153  
94-ER-R155  
94-ER-R156  
94-ER-R157 BONATE, AND SECONDARY SILICA.  
94-ER-R158  
94-ER-R159  
94-ER-R160  
94-ER-R168  
94-ER-R170  
94-ER-R171  
94-ER-R172 DESCRIBED IN THE PREVIOUS STATION.  
94-ER-R173  
94-ER-R174 OX.  
94-ER-R175 ACCORDING TO THE CORE BOX RECORDS.  
94-ER-R176 OF THE BOX.  
94TTR000  
94TTR001  
94TTR002  
94TTR003  
94TTR004  
94TTR005  
94TTR006  
94TTR007  
94TTR008  
94TTR009  
94TTR010  
94TTR011  
94TTR012  
94TTR013  
94TTR014  
94TTR015  
94TTR016  
94TTR017  
94TTR021  
94TTR022  
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94TTR026  
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94TTR028  
94TTR029  
94TTR030  
94TTR031  
94TTR032  
94TTR036  
94TTR040  
94TTR041  
94TTR042  
94TTR043

WESTMIN RESOURCES LI

HYLAND PROJECT

SAMPLE NUMBER

- 94TTR044
- 94TTR045
- 94TTR046
- 94TTV018
- 94VPR001
- 94VPR005
- 94VPR007
- 94VPR008
- 94VPR009
- 94VPR010
- 94VPR011
- 94VPR030
- 94VPR068
- 94VPR070
- 94VPR071
- 94YTL022
- 94YTL023
- 94YTL024
- 94YTL025
- 94YTL026
- 94YTL028
- 94YTR011
- 94YTR012
- 94YTR013
- 94YTR009

TZ, <1 MAFICS. OUTCROP ID HEAVILY JOINTED WITH LIMONITE STAINING.

## WESTMIN RESOURCES LIMITED

## HYLAND PROJECT

SAMPLE NUMBER	NOTES	NTS	DATE	SEDIMENT DATA				STREAM DATA				
94AHV005	SW TRENDING DRAINAGE, 30% QUARTZITE, 80% PHYLLITE, 20% SL	95D/12	23-Jul	10	25	50	15	yes	0.2	5	slow	
94AHV006	MAIN CREEK, 10M FROM JUNCTION, OVERALL COARSER THAN AAH	95D/12	23-Jul	70	20	10	1	yes	0.75	10	mod	
94AHV036A	APPROX. GRAVEL COMPOSITION; 10% QUARTZITE, 45% SILTSTON	95D/5	01-Aug					YES	0.4M	8-12CM	MODERATE	
94BDV001	MOOSE TRAIL AT 3500'. LITHOLOGY WAS SANDSTONE AND QUART	95D/12	JULY 22	75	20	5		YES	50-100	5-10	SLOW	
94BDV002	WEST FLOWING DRAINAGE AT 3400'.	95D/12	JULY 22	80	20	20		YES	150-200	10-15	MODERATE	
94BDV003	ALTITUDE 3420'.	95D/12	JULY 22	70	25	5		YES	75-100	5-10	MODERATE	
94BDV004	ALTITUDE 3280'. MINOR AMOUNT OF DARK SHALES AND QUARTZ V	95D/12	JULY 22	80	30	10		YES	100-150	15-30	MODERATE	
94BDV005	NOT ACTIVE, PROBABLY SPRING RUNOFF DRAINAGE SYSEM. ALTI	95D/12	JULY 22	40	30	25	5	NO				
94BDV006	ALTITUDE 2920'.	95D/12	JULY 22	70	25	5		YES	75-100	15-20	MODERATE	
94BDV007	ALTITUDE 2900'. MAGNETITE WAS PRESENT IN THIS SAMPLE IN FIN	95D/12	JULY 22	90	15	5		YES	100-150	10-20	MODERATE	
94BDV008	ALTITUDE 3080'. MAGNETITE PRESENT, BUT NOT AS MUCH AS THE	95D/12	JULY 22	85	15			YES	100-125	10-20	MODERATE	
94BDV081	ON CREEK, 10M WEST OF THE 0M EAST SOIL SAMPLE. THIS SAMPL	95D/5	AUG 3	20	30	30	20	YES	1-1.5M	30	MODERATE	
94DHV001	MAIN CREEK UPSTREAM, GRAVEL BAR, 30m FROM JUNCTION WITH	95D-5	18JULY					YES	7m	30-40cm	FAST	
94DHV002	50m UPSTREAM-EAST, 3400R, MID-CHANNEL BAR	95D-5	18JULY					YES	2-3m	30-40cm	FAST	
94DHV003	MAIN CREEK UPSTREAM, GRAVEL BAR, SHALES, GRANITES, COAR	95D-5	18JULY					YES	2.5-3.5m	35-40cm	FAST	
94DHV004	TRIBUTARY CREEK UPSTREAM, NORTH OF MAIN CREEK, JAGGED	95D-5	18JULY					YES, SOME	1.5-2m	20-30cm	FAST	
94DHV005	MAIN CREEK UPSTREAM, 3820R	95D-5	18JULY					YES	2.5-3.5m	25-35cm	FAST	
94DHV006	LOW SHORE, MAIN CREEK, 3800R	95D-5	18JULY					YES	2-3m	30-40cm	FAST	
94DHV007	SMALL DRAINAGE FROM THE SOUTH, NORTH FLOWING, NOTHING	95D-5	18JULY					YES	.5-.75m	10-15cm	SLOW	
94DHV008	MAIN CREEK VERY ROCKY, 4000R	95D-5	18JULY					YES	1-2.5m	25-35cm	FAST	
94DHV009	ROCK STREAM, UNDER ROCKS, 4240R	95D-5	18JULY					NO	STREAM BED	O	O	
94DHV010	MAIN CREEK, NEAR TREE LINE, LARGE ROCKS, 4240R	95D-5	18JULY					YES	1.5-2.5m	20-3-cm	FAST	
94DHV011	MAIN CREEK DOWN FROM RIDGE, LARGE ROCK AND SAND BAR, 38	95D-5	18JULY	0.2	0.4	0.2	0.2	0	YES	3.5-4m	20-30cm	FAST
94DHV012	SMALL TRIBUTARY COMING FROM HIGHER UP, LEADS TO MAIN CR	95D-5	19JULY	0.25	0.4	0.25	0.1	0	YES	.75-1m	5-25cm	FAST
94DHV013	MAIN CREEK, ABOVE SMALL TRIBUTARIES, MINEROLOGY SAME AS	95D-5	19JULY	0.3	0.4	0.3	0	0	YES	2.5-3.5m	35-45cm	FAST
94DHV014	LARGE TRIBUTARY RIGHT OF MAIN CREEK, SD.ST. COBBLES, SLAT	95D-5	19-Jul		85	13	1	1	Y	2	30	FAST
94DHV014	SAMPLE FROM SANDBAR IN BACKEDDY.	95D/5	19-Jul	0.4	0.4	0.2	0	0	YES	1.5-2m	25-35cm	FAST
94DHV015	SMALL PART OF MAIN CREEK LEADING UNDER ROCKS, SAME MINE	95D-5	19JULY	0.4	0.2	0.2	0.1	1	YES	1-3m	5-20cm	FAST
94DHV016	EAST FLOWING STREAM DOWN EASTERN SLOPE, SOUTH OF LAKE,	95D-5	19JULY	0.3	0.2	0.2	0.05	0.25	YES	.5-.75m	2-5cm	MODERATE
94DHV017	SMALL STREAM FLOWING INTO SOUTH LAKE, FROM THE WEST, 46	95D-5	18JULY	0.3	0.3	0.15	0.06	0.1	YES	1-2m	5-10cm	MODERATE
94DHV018	BOWL STREAM, SNOW SEEN AT THE TOP, 4600R, OTHER SIDE OF	95D-5	19JULY	0.45	0.3	0.15	0.1	0	YES	1.5-2m	10-25cm	FAST
94DHV26	4051R, 50m UPSTREAM FROM JUNCTION, DOWN SOUTHERN SLOPE	95D/5	21JULY	4	0.3	0.2	0.1	0	YES	1.5 - 3m	10 - 30cm	FAST
94DHV27	4052R, 50m UPSTREAM FROM JUNCTION, DOWN NORTHERN SLOPE	95D/5	21JULY	0.4	0.3	0.2	0.1	0	YES	.5 - 1.0m	5 - 25cm	MODERATE
94DHV28	MAIN STREAM, VARIOUS ISLAND BARS	95D/5	21JULY	0.8	0.3	0.1	0.1	0	YES	1 - 3.5m	15 - 45cm	FAST
94DHV29	3100FT, SOUTH BOUND, LARGE ROCKS, SLATE, SAND, SLATE 50%,	95D/5	21JULY	0.5	0.4	0.1	0	0	YES	3 - 4m	10 - 40cm	FAST
94DHV30	3470R, NORTHEAST OF SAMPLE CREEK, 5% QUARTZ, 5% SHALE, 20	95D/12	22JULY	0.5	0.4	0.1	0	0	YES	1.5 - 3m	10 - 50cm	FAST
94DHV31	3320R, UP MAIN CREEK, TURQUOISE SD.ST., WHITE CHERTY, QUAR	95D/12	22JULY	0.4	0.5	0.1	0	0	YES	1.5 - 2m	3 - 25cm	MODERATE
94DHV32	3500R, TRIBUTARY TO MAIN CREEK, SOUTHEAST OF MAIN, SAME M	95D/12	22JULY	0.35	0.35	0.2	0.1	0	YES	.1 - 1.0m	5 - 45cm	SLOW
94DHV33	3510R, MAIN CREEK ABOVE TRIBUTARY, SAME MINEROLOGY AS 31	95D/12	22JULY	0.3	0.5	0.1	0.1	0	YES	1.5 - 2.0m	10 - 30cm	FAST
94DHV34	3940R, SMALL TRIBUTARY TO MAIN CREEK	95D/12	22JULY	0.4	0.3	0.2	0.05	0.05	YES	.25 - .75m	2 - 10cm	SLOW
94DHV35	3990R, MAIN CREEK, VERY LARGE BOULDERS	95D/12	22JULY	0.05	0.7	0.2	0.05	0	YES	1.5 - 2.0m	10 - 30cm	FAST
94DHV36	4430R, SMALL SEAP MIDWAY UP RIDGE	95D/12	22JULY	0.1	0.25	0.35	0.25	0.05	NO	.05 - 2m	0	0
94DHV37	CREEK HAS CUT OFF AND IS BEGINNING TO RUN UNDER THE ROCK	95D/12	22JULY	0.4	0.3	0.2	0.1	0	YES	.5 - .75m	5 - 25cm	SLOW
94DHV38	3360R, 1ST JUNCTION WITH TRIBUTARY FLOWING EAST - WEST,	95D/12	23JULY	0.2	0.4	0.1	0.15	0.15	YES	2 - 3m	10 - 30cm	FAST
94DHV39	2240R, 50m UPSTREAM FROM JUNCTION, STREAM SIDE, STILL LIME	95D/12	23JULY	0.3	0.3	0.1	0.1	0.1	YES	4 - 6m	20 - 30cm	MODERATE
94DHV40	3390R, SMALL TRIBUTARY RUNNING NORTH TO EAST	95D/12	23JULY	0.1	0.5	0.2	0.1	0.1	YES	.5 - .75m	5 - 25cm	MODERATE
94DHV41	50m UPSTREAM FROM JUNCTION WITH SMALL TRIBUTARY, 3380R	95D/12	23JULY	0.35	0.35	0.2	0.1	0	YES	2 - 3.5m	20 - 40cm	MODERATE
94DHV42	3500R, SMALL STREAM HEADING INTO LAKE, RUNNING EAST TO W	95D/12	23JULY	0.25	0.15	0.2	0.2	0.2	YES	.5m	5 - 10cm	SLOW
94DPV001	OLD MEANDER MISTAKEN FOR OUR CREEK. MUDDY AREA APPRO	95D/5	18-Jul	5	55	30	10	YES	2	0.2	SLOW	
94DPV002	OLD SANDBAR 8 M SOUTH OF AND 1.5 M ABOVE -001. GUESS ON S	95D/5	18-Jul	85	10	5		Y	25M+	2	FAST	
94DPV003	10 M ABOVE STREAM MOUTH. SAND FROM BETWEEN BOULDERS S	95D/5	18-Jul	35	50	10	5	Y	1.5	0.15	MODERATE	
94DPV007	505 M UPSTREAM OF CREEK MOUTH.	95D/5	18-Jul	80	30	5	5	Y	1.5	0.3	MODERATE	
94DPV010	1010 M UPSTREAM OF MOUTH.	95D/5	18-Jul	45	40	5	10	Y	1.0	0.2	MODERATE	
94DPV012	1470 M UPSTREAM OF MOUTH; STREAM AT THIS POINT A SERIES O	95D/5	18-Jul	10	30	40	20	Y	0.8	0.1	LOW	
94DPV015	SAMPLE FROM DOWNSTREAM END OF GRAVEL BAR.	95D/5	18-Jul	20	75	3	2	Y	3	18	FAST	

## WESTMIN RESOURCES LIMITED

## HYLAND PROJECT

SAMPLE NUMBER	NOTES	NTS	DATE	SEDIMENT DATA			STREAM DATA				
94DPV016	SMALL TRIBUTARY NOT ON TOPO MAP. 189 M ABOVE SAMPLE DP	95D/5	19-Jul	25	80	10	5	Y	0.4	5	MODERATE
94DPV017	SANDBAR ON DOWNSTREAM END OF COBBLE GRAVEL BAR	95D/5	19-Jul	15	70	10	5	Y	3	35	FAST
94DPV018	DOWNSTREAM TAIL OF LARGE COBBLE/GRAVEL BAR SAY 20 M LO	95D/5	19-Jul	70	25	4	1	Y	2.5	30	FAST
94DPV019	TOUGH SPOT TO SAMPLE.	95D/5	19-Jul	90	10			Y	2	30	FAST
94DPV021		95D/5	19-Jul	90	9		1	Y	2	20	FAST
94DPV022	ELEV. 3904 FT.: 15-20 M ABOVE JUNCTION	95D/5	20-Jul	93	5	1	1	Y	1	20	FAST
94DPV023	ELEV. 3871 (?) FT. TOUGH TO SAMPLE AMONG LARGE BOULDERS.	95D/5	20-Jul	10	10	70	10	Y	1	25	RAPIDS
94DPV024	ELEV. 3510 FT. GRAVEL 80 % QUARTZITE, 40 % PHYLLITE. ABOUT 1	95D/5	20-Jul	90	10		1	Y	2	30	RAPIDS
94DPV025	ELEV. 3510 FT. 25 M ABOVE JUNCTION. GRAVEL ABOUT 80 % PHYLL	95D/5	20-Jul	90	11	3	3	Y	3	20	FAST
94DPV026	ELEV. 3297 ?? FT. GRAVEL 80 % GREY PHYLLITE, 40 % QUARTZITE	95D/5	20-Jul	85	10	5	1	Y	2	25	FAST
94DPV027	ELEV. 3724 FT. 10 M ABOVE JUNCTION. GRAVEL 85 % PHYLLITE AN	95D/5	20-Jul	80	13	5	2	Y	2	20	FAST
94DPV028	GRAVEL 90 % PHYLLITE, 10 % QUARTZITE. ELEV. 3724 FT. COBBLE	95D/5	20-Jul	80	10	5	1	Y	1.7	15	FAST
94DPV029	ELEV. 3898 FT. GRAVEL 85 % GREY PHYLLITE, 15 % QUARTZITE, L	95D/5	20-Jul	5	5	30	80	Y	0.3	5	SLOW
94DPV030	ELEV. 3898 FT. GRAVEL 48 % PHYLLITE, 48 % FINE GRAINED QUAR	95D/5	20-Jul	85	5	8	2	Y	1.5	15	FAST
94DPV031	ELEV. 4082 FT. GRAVEL 50 % PHYLLITE, 50 % QUARTZITE. 5 % VEI	95D/5	20-Jul	70	10	10	10	Y	0.4	5	MED.
94DPV032	ELEV. 4082 FT. GRAVEL 80 % PHYLLITE, 40 % QUARTZITE, 2 % VEI	95D/5	20-Jul	75	10	10	5	Y	1.2	12	RAPIDS
94DPV033	ELEV. 3757 6 % VN QTZ PEBBLES. GRAVEL 85 % GREY PHYLLITE, 3	95D/5	21-Jul	80	15	5	20	Y	1.6	15	MOD
94DPV034	ELEV. 3757 FT. GRAVEL 40 % PHYLLITE, 20 % QUARTZITE, 40 % OT	95D/5	21-Jul	85	9	3	3	Y	1	30	RAPIDS
94DPV035	ELEV. 3808 FT. GRAVEL 90 % QUARTZITE, 25 % PHYLLITE, 15 % OT	95D/5	21-Jul	90	15	5	20	Y	1.5	12	FAST
94DPV036	ELEV. 3790 FT. GRAVEL 80 % RED F.GR. QUARTZITE, 10 % PHYLLIT	95D/5	21-Jul	80	15	10	15	Y	1.5	50	FAST
94DPV037	ELEV. 3812 FT. GRAVEL 50 % RED-BROWN QUARTZITE, 20 % PHYLL	95D/5	21-Jul	85	15	10	10	Y	0.3	10	FAST
94DPV038	ELEV. 3845 FT. GRAVEL 80 % PHYLLITE, 30 % QUARTZITE, 10 % OT	95D/5	21-Jul	80	15	10	15	Y	1.5	30	FAST
94DPV039	ELEV. 3858 FT. GRAVEL 80 % REDDISH FINE GRAINED QUARTZITE, 3	95D/5	21-Jul	75	10	5	10	Y	0.7	20	MOD
94DPV040	ELEV. 3858 FT. GRAVEL 85 % F. GR. CREAMY QUARTZITE, 35 % PH	95D/5	21-Jul	80	5	5	10	Y	0.8	25	MOD
94DPV041	ELEV. 3950 FT. GRAVEL 75 % REDDISH TO CREAMY QUARTZITE, 25	95D/5	21-Jul	80	5	5	10	Y	0.8	30	MOD
94DPV042	ELEV. 4003 FT. GRAVEL 50 % GREY PHYLLITE, 50 % LIGHT BROWN	95D/5	21-Jul	80	5	5	10	Y	0.8	12	MOD
94DPV043	ELEV. 4009 FT. GRAVEL 80 % PHYLLITE, 40 % QUARTZITE. 6 % VEI	95D/5	21-Jul	85	5	5	5	Y	0.2	15	FAST
94DPV045	ELEV. 4111 FT. GRAVEL 85 % GREY PHYLLITE, 15 % QUARTZITE. 6	95D/5	21-Jul	90	3	2	5	Y	0.7	10	MOD
94DPV087	ELEV. 3389 FT. ABOUT 9M ABOVE CONFLUENCE. GRAVEL 85% QUA	95D/5	31-JUL	90	8	2		YES	1.3	25	FAST
94DPV088	ELEV. 3419 FT. GRAVEL 75% QUARTZITE; 20% GREEN SHALE; 5% G	95D/5	31-JUL	95	4		1	YES	1.5	20	FAST
94DPV089	ELEV. 3448 FT. GRAVEL GRANULE SIZED. 80% QUARTZITE; 30% GR	95D/5	31-JUL	97	2	1		YES	1.2	15	FAST
94DPV090	ELEV. 3478 FT. GRAVEL 80% GREYISH GREEN SHALE; 35% QUARTZ	95D/5	31-JUL	97	2		1	YES	1.3	15	FAST
94DPV091	ELEV. 3504 FT. SMALL TRIBUTARY? DRAINING SWAMP AREA ON NO	95D/5	31-JUL	2	8	45	45	YES	0.5	10	SLOW
94DPV092	ELEV. 3504 FT. ON MAIN CREEK. GRAVEL 80% SHALE; 20% QUARTZ	95D/5	31-JUL	95	3	1	1	YES	1.4	15	FAST
94DPV093	ELEV. 3543 FT. GRAVEL 70% GREY GREEN SHALE; 30% QUARTZITE	95D/5	31-JUL	95	3	2		YES	1.5	15	FAST
94DPV094	ELEV. 3578 FT. NO GRAVEL ON SCREEN. GREEN SHALE AND QUAR	95D/5	31-JUL	5	20	25	50	YES	0.4	3	SLOW
94DPV095	ELEV. 3608 FT. GRAVEL 70% GREEN SHALE; 28% QUARTZITE; 2% G	95D/5	31-JUL	50	34	10	6	YES	1.3	15	FAST
94DPV096	ELEV. 3638 FT. LIKELY ABOVE JUNCTION AS PASSED DRY MOSSY C	95D/5	31-JUL	80	30	7	3	YES	2.3	10	FAST
94DPV097	ELEV. 3740 FT. GRAVEL 80% GREEN SHALE; 15% GREY LIMESTON	95D/5	31-JUL	70	20	8	2	YES	1.8	10	RAPIDS
94DPV098	ELEV. 3875 FT. GRAVEL 75% GREEN SHALE; 25% QUARTZITE	95D/5	31-JUL	80	20	15	5	YES	1.5	15	FAST
94DPV020	SAMPLE TAKEN IN LEE OF BOULDER IN ROCK CANYON; TOUGH T	95D/5	19-Jul	95	5			Y	3	30	RAPIDS
94DPV085	ELEV. 3402 FT. CREEK DRAINS HIGHLAND OCCURRENCE. TOUGH T	95D/5	31-JUL	2	10	38	50	YES	0.8	15	MOD
94-ER-L142	UNSIEVED STREAM SEDIMENT SAMPLE COLLECTED ON A TRIBUTA	95D/5	24-Aug								
94-ER-L143	UNSIEVED STREAM SEDIMENT SAMPLE COLLECTED ON DIFFEREN	95D/5	24-Aug								
94-ER-L144	UNSIEVED STREAM SEDIMENT SAMPLE COLLECTED AT THE SAME	95D/5	24-Aug								
94-ER-L145	UNSIEVED STREAM SEDIMENT SAMPLE COLLECTED AT THE SAME	95D/5	24-Aug								
94-ER-L146	UNSIEVED STREAM SEDIMENT SAMPLE COLLECTED ON THE PRIMA	95D/5	24-Aug								
94-ER-L151	UNSIEVED STREAM SEDIMENT SAMPLE COLLECTED APPROXIMATE	95D/5	27-Aug								
94-ER-L154	UNSIEVED STREAM SEDIMENT SAMPLE COLLECTED IN THE NORTH	95D/5	28-Aug								
94-ER-L187	UNSIEVED STREAM SEDIMENT SAMPLE COLLECTED ALONG PYRIT	95D/12	08-Sep								
94-ER-L189	UNSIEVED STREAM SEDIMENT SAMPLE COLLECTED ALONG PYRIT	95D/12	08-Sep								
94ERV015	SAMPLE COLLECTED IN THE DRAINAGE SOUTHEAST OF PEAK 5.48	95D/12	22-Jul	85	15			YES	100-150	25-50	MODERATE
94ERV016	SAMPLE COLLECTED 500 M UPSTREAM FROM PREVIOUS STATION.	95D/12	22-Jul	85	15			YES	75-100	25-75	MODERATE
94ERV017	SAMPLE WAS COLLECTED 500 M UP STREAM FROM PREVIOUS ST	95D/12	22-Jul	90	10			YES	50-75	25-50	MODERATE
94ERV018	SAMPLE COLLECTED 500 M UP STREAM FROM PREVIOUS STATION	95D/12	22-Jul	85	5			YES	50	10-25	SLOW
94ERV058	SAMPLE COLLECTED ON A SMALL TRIBUTARY BETWEEN THE HYL	95D/5	31-Jul					YES	50-75	10-25	SLOW

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SAMPLE NUMBER	NOTES	NTS	DATE	SEDIMENT DATA				STREAM DATA			
94ER-V065	SAMPLE COLLECTED ON A SMALL TRIBUTARY ON THE EAST SIDE	95D/5	02-Aug	70	30			YES	90-75	10-25	SLOW
94ER-V066	SAMPLE COLLECTED ON A TRIBUTARY ON THE EAST SIDE OF THE	95D/5	02-Aug	80	20			YES	100-150	25-75	MODERATE
94TTV018	pyrite creek 3250'	95D/5	04-Sep								
94VPV001	ON N-S TRENCH, RUSTY COLORED PEBBLES AND COBBLES (PYRI	95D/5	19-Jul	70	20	5	0	5 YES	2 M	10 CM	MEDIUM
94VPV002	3608 FT. ELEVATION. ON TRIBUTARY. CREEK DRIED UP AFTER 200	95D/5	19-Jul	2	0	25	30	40 NO	1m	20 cm	SLOW
94VPV003	3615 FT. ELEVATION. ON SMALL POINT BAR NEAR JUNCTION WITH	95D/5	19-Jul	0	00	10	0	0 YES	4m	15cm	MEDIUM
94VPV004	ON TRIBUTARY 130 m OFF MAIN DRAINAGE (170m SOUTH FROM 94	95D/5	19-Jul	0	95	0	0	5 YES	0.5m	15CM	FAST
94VPV005	ON SMALL POINT BAR ON MAIN DRAINAGE. SAMPLE IS COMPOSE	95D/5	19-Jul	40	50	10	0	0 YES	1m	15CM	MEDIUM
94VPV008	NEAR SMALL POINT BAR. SANDSTONE AND SILTSTONE COBBLES	95D/5	19-Jul	0	90	10	0	0 YES	2M	20CM	FAST
94VPV012	ELEV. 3346 FT. GRAVEL COMPOSITION: 80% QUARTZITE; 5% PHYL	95D/12	22-Jul	35	90	4	0	1 YES	2M	20CM	MEDIUM
94VPV013	ELEV. 3398 FT. GRAVEL COMPOSITION: 70% QUARTZITE; 25% PHY	95D/12	22-Jul	35	45	5	2	2 YES	1.5M	15CM	MEDIUM
94VPV014	ELEV. 3481 FT. VERY MUCKY; NO GRAVEL	95D/12	22-Jul	0	5	45	40	10 YES	0.5M	2-5CM	SLOW
94VPV015	ELEV. 3471 FT. SILTY MUCK, VERY LITTLE SAND, NO GRAVEL	95D/12	22-Jul	0	10	40	40	10 YES	0.5M	5CM	SLOW
94VPV018	ELEV. 3494 FT. GRAVEL COMPOSITION: 75% FINE GRAINED QUART	95D/12	22-Jul	55	35	10	0	0 YES	2M	15CM	FAST
94VPV017	ELEV. 3501 FT. GRAVEL COMPOSITION: 70% QUARTZITE; 25% PHY	95D/12	22-Jul	85	20	10	0	5 YES	1.5M	10CM	FAST
94VPV018	ELEV. 3543 FT. GRAVEL COMPOSITION: 70% QUARTZITE; 25% PHYL	95D/12	22-Jul	40	45	5	0	5 YES	1M	25CM	MEDIUM
94VPV019	ELEV. 3625 FT. GRAVEL COMPOSITION: 20% PHYLLITIC QUARTZITE	95D/12	22-Jul	45	45	5	0	5 YES	0.75M	35CM	MEDIUM
94VPV020	ELEV. 3714 FT. NO GRAVEL ( FINE SAND AND ORGANICS)	95D/12	22-Jul	0	90	10	0	10 YES	25CM	8CM	SLOW
94VPV021	ELEV. 3717 FT. GRAVEL COMPOSITION: 90% PHYLLITE; 10% QUAR	95D/12	22-Jul	50	45	2	0	3 YES	1M	15CM	MEDIUM
94VPV022	ELEV. 37224 FT. GRAVEL COMPOSITION: 100% PHYLLITE; <1% QUA	95D/12	22-Jul	45	50	2	0	3 YES	1.2M	10CM	SLOW
94VPV023	ELEV. 3812 FT. GRAVEL COMPOSITION: 95% PHYLLITE; 5% QUARTZ	95D/12	22-Jul	30	30	20	5	15 YES	0.5M	8CM	MEDIUM
94VPV024	GRAVEL COMPOSITION; 95% QUARTZITE; 35% PHYLLITE. ELEV. 38	95D/12	23-Jul	30	30	10	15	15 YES	0.3M	5CM	FAST
94VPV025	ELEV. 3848 FT. GRAVEL COMPOSITION; 75% QUARTZITE; 25% PHY	95D/12	23-Jul	55	30	5	5	5 YES	0.2M	5CM	SLOW
94VPV026	ELEV. 3704 FT. GRAVEL COMPOSITION; 85% QUARTZITE; 35% PHY	95D/12	23-Jul	80	35	3	0	2 YES	0.5M	15CM	MEDIUM
94VPV027	ELEV. 3909 FT. NO GRAVEL.	95D/12	23-Jul	0	5	25	50	20 YES	0.3M	20CM	SLOW
94VPV028	ELEV. 3409 FT. GRAVEL COMPOSITION; 55% QUARTZITE; 45% PHY	95D/12	23-Jul	45	25	10	10	10 YES	1.0M	10CM	MEDIUM
94VPV029	ELEV. 3412 FT. NO GRAVEL.	95D/12	23-Jul	0	0	20	50	30 YES	0.5M	5CM	MEDIUM
94VPV080	ELEV. 3035 FT. GRAVEL COMP.: 50% BLACK SILTSTONE; 40% PHYL	95D/12	28-Jul	5	90	3	0	2 YES	0.5M	7CM	MEDIUM
94VPV081	ELEV. 3035 FT. ON NORTH FLOWING STREAM WEST OF HULSE LAK	95D/12	28-Jul	25	70	5	0	0 YES	3.5M	15CM	MEDIUM
94VPV082	ELEV. 3484 FT. GRAVEL COMP.; 40% PHYLLITE, 40% SANDSTONE, 1	95D/5	31-Jul	45	45	10	0	0 YES	1.0M	10CM	MEDIUM
94VPV083	ELEV. 3566 FT., GRAVEL COMP.: 75% SANDSTONE, 10% PHYLLITE,	95D/5	31-Jul	10	45	10	30	5 YES	0.5M	5CM	MEDIUM
94VPV084	ELEV. 3543 FT., GRAVEL COMP.: 70% SANDSTONE, 20% PHYLLITE,	95D/5	31-Jul	55	40	5	0	0 YES	0.4M	20CM	FAST
94VPV085	ELEV. 3478 FT., GRAVEL COMP.; 85% SANDSTONE, 10% PHYLLITE, 5	95D/5	31-Jul	85	30	5	0	0 YES	1.5M	15CM	FAST
94VPV086	ELEV. 3451 FT., GRAVEL COMP.: 70% BROWN SANDSTONE, 20% PH	95D/5	31-Jul	90	35	5	0	0 YES	1.0M	15CM	FAST
94VPV087	ELEV. 3280 FT., GRAVEL COMP., : 75% SANDSTONE, 10% PHYLLITE	95D/5	31-Jul	45	50	5	0	0 YES	2.9M	20CM	FAST
94VPV088	ELEV. 4110 FT. GRAVEL COMP.: 45% QUARTZITE (BROWN AND GR	95D/5	03-Aug	50	35	10	0	5 YES	0.25M	7CM	MEDIUM
94YTL022	2970-N DRY CRK.	95D/5	07-SEPT								
94YTL023	3515-N SMALL PILE OF SILT FEFT FROM MINOR FLOODING-SPRING	95D/5	07-SEPT								
94YTL024	3560-N DRY CRK WASH OUT. MAJOR GRAVEL HAS BEEN MOVED.	95D/5	07-SEPT								
94YTL025	4060-N WASH OUT FILLED W/ LIMESTONE FLOAT.	95D/5	07-SEPT								
94YTL026	4380-FT IN WASH OUT	95D/5	08-SEPT								
94YTL028	SAMPLE TAKEN AT 2900-S 7875-E	95D/12									
94YTV026	WEST SIDE OF COAL RIVER. POSSIBLE INFLUENCE FROM RIVER. 2	95D/12	28-Jul	35	40	10	5	YES	1000	30	FAST
94YTV027	2550-FT	95D/12	28-Jul		30	30	30	10 YES	150	20	SLOW
94YTV031	RUSTY SEEP 2550 FT	95D/12	28-Jul			20	40	40 YES	20	2	V. SLOW
94YTV032	H.B.G.D. PYRITE IN INTRUSIVE. LOTS OF MAGNETITE. BLACK SH.30	95D/12	28-Jul	20	80	15	5	YES	500	20	FAST
94YTV033	BL. SH. S.S. QUARTZITE 3080 FT	95D/5	03-Aug	40	35	25		YES	300	30	FAST
94YTV034	BL. SH. S.S. QUARTZITE 3010 FT	95D/5	03-Aug	20	45	20	10	5 YES	150	30	MOD
94YTV028	2540 FT	95D/12	28-Jul			40	50	10 YES	50	15	SLOW
94YTV029	2550 FT	95D/12	28-Jul	30	40	25	5	YES	200	30	MOD
94YTV030	S.S. BLACK SH.MAROON AND GREEN MUD STONE QUARTS LIMEST	95D/12	28-Jul	20	30	25	20	5 YES			

4800FT 200-W

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SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION			
94AHS016	0 - E, CLAY RICH	95D/5	01-Aug	B	GOOD	5CM	MED.BROWN
94AHS017	50 - E	95D/5	01-Aug	B	FAIR	0-3CM	PALE BROWN
94AHS018	100 - E, SILTY	95D/5	01-Aug	B-C	FAIR	0-3CM	PALE BROWN
94AHS019	150 - E, SAND/SILT	95D/5	01-Aug	B-C	GOOD	5CM	RUSTY BROWN
94AHS020	200 -E, SILT/SAND	95D/5	01-Aug	C	GOOD	0-3CM	RUSTY BROWN
94AHS021	250 - E, SAND/SILT	95D/5	01-Aug	C	GOOD	0-3CM	RUSTY BROWN
94AHS022	300 -E, SILT/CLAY	95D/5	01-Aug	B	V.GOOD	5CM	RUSTY BROWN
94AHS023	350 - E, SILT/CLAY	95D/5	01-Aug	B	V.GOOD	5CM	RUSTY BROWN
94AHS024	400 - E, SILTY	95D/5	01-Aug	B	GOOD	0-5CM	RUSTY BROWN
94AHS025	450 -E, SILTY	95D/5	01-Aug	B	GOOD	0-5CM	MED. BROWN
94AHS026	500 - E, SILTY/CLAY	95D/5	01-Aug	B	GOOD	8CM	RUSTY BROWN
94AHS027	550 - E, SILT/CLAY	95D/5	01-Aug	B-C	GOOD	10CM	PALE RUSTY BROWN
94AHS028	600 - E, ORGANIC RICH	95D/5	01-Aug	B	FAIR	10CM	DARK BROWN
94AHS029	650 - E, ORGANIC RICH	95D/5	01-Aug	A	POOR	15CM	BROWN-BLACK
94AHS030	700 - E, CLAY/SILTS	95D/5	01-Aug	B	GOOD	8CM	PALE RUSTY BROWN
94AHS031	750 - E, CLAY/SILT/SAND, SILT	95D/5	01-Aug	B?	FAIR	10CM	PALE-MED. BROWN
94AHS032	800 -E	95D/5	01-Aug	B	FAIR	8CM	PALE GRAY
94AHS033	850 -E, CLAY RICH	95D/5	01-Aug	B	FAIR-GOOD	5CM	MED. BROWN
94AHS034	900 -E	95D/5	01-Aug	A-B?	FAIR	8CM	GRAY-BROWN MIX
94AHS035	950 -E,	95D/5	01-Aug	B	GOOD	6CM	MED.-PALE BROWN
94AHS036	1000 - E, SOME ORGANICS, A	95D/5	01-Aug	B	FAIR	7CM	MED. BROWN
94AHS037	0-E	95D/5	02-Aug	B	GOOD	5CM	LIGHT BROWN
94AHS038	50-E	95D/5	02-Aug	B	GOOD	10CM	LIGHT BROWN
94AHS039	100-E	95D/5	02-Aug	B	FAIR-GOOD	7CM	LIGHT BROWN
94AHS040	150-E	95D/5	02-Aug	B	FAIR	8-10CM	GREY/BROWN
94AHS041	200-E	95D/5	02-Aug	B-C	GOOD	5CM	LIGHT RUST BROWN
94AHS042	250-E	95D/5	02-Aug	B	FAIR-GOOD	5CM	LIGHT BROWN
94AHS043	300-E	95D/5	02-Aug	C	POOR	5CM	LIGHT RUSTY BROWN
94AHS044	350-E	95D/5	02-Aug	C	FAIR	0-3CM	LIGHT RUSTY BROWN
94AHS045	400-E	95D/5	02-Aug	B-C	GOOD	5CM	RUSTY BROWN
94AHS046	450-E	95D/5	02-Aug	C	GOOD	6CM	LIGHT RUSTY BROWN
94AHS047	500-E	95D/5	02-Aug	C	GOOD	0-3CM	RUSTY BROWN
94AHS048	550-E	95D/5	02-Aug	C	GOOD	2-5CM	RUSTY BROWN
94AHS049	600-E	95D/5	02-Aug	C	GOOD	0-2CM	RUSTY BROWN
94AHS050	650-E	95D/5	02-Aug	C	GOOD	0-2CM	RUSTY BROWN
94AHS051	700-E	95D/5	02-Aug	B-C	GOOD	0-3CM	RUSTY BROWN
94AHS052	750-E	95D/5	02-Aug	B-C	GOOD	2-5CM	RUSTY BROWN
94AHS053	800-E	95D/5	02-Aug	C	GOOD	0-5CM	RUSTY BROWN
94AHS054	850-E	95D/5	02-Aug	B-C	GOOD	0-3CM	RUSTY BROWN
94AHS055	900-E	95D/5	02-Aug	B	GOOD	5-8CM	BROWN/GRAY MIX
94AHS056	950-E	95D/5	02-Aug	B	FAIR	5-8CM	LIGHT BROWN
94AHS057	1000-E	95D/5	02-Aug	B?	FAIR-GOOD	2-5CM	MED. BROWN
94AHS058	1050-E	95D/5	02-Aug	B	GOOD	5-7CM	MED. BROWN
94AHS059	1100-E	95D/5	02-Aug	B	FAIR	6CM	BROWN-DARK BROWN

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SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION		
94AHS060	1150-E	95D/5	02-Aug	B	FAIR-GOOD	2-4CM BROWN-DARK BROWN
94AHS061	1200-E	95D/5	02-Aug	B	FAIR	5CM MEDIUM BROWN
94AHS062	1250-E	95D/5	02-Aug	B-C	FAIR	4-7CM MEDIUM BROWN
94AHS064	1350-E	95D/5	02-Aug	C	FAIR	0-2CM BROWN - RUSTY BROWN
94AHS065	1400-E	95D/5	02-Aug	B-C	GOOD	0-5CM MEDIUM BROWN
94AHS066	1450-E	95D/5	02-Aug	B-C	GOOD	5CM RUSTY BROWN
94AHS067	1500-E	95D/5	02-Aug	B-C	GOOD	5CM GREY/RUST MIX
94AHS068	1550-E	95D/5	02-Aug	B-C	FAIR-GOOD	5CM GRAY/RUST MIX
94AHS069	1600-E	95D/5	02-Aug	B	GOOD	5CM RUST/GRAY
94AHS070	1650-E	95D/5	02-Aug	C	GOOD	0-2CM RUSTY BROWN
94AHS071	1700-E	95D/5	02-Aug	C	GOOD	0-3CM RUSTY BROWN
94AHS072	1750-E	95D/5	02-Aug	B	FAIR-GOOD	5CM GRAY/BROWN MIX
94AHS073	1800-E	95D/5	02-Aug	B-C	GOOD	2-5CM LIGHT RUSTY BROWN
94AHS074	1850-E	95D/5	02-Aug	B-C	FAIR-GOOD	2-5CM LIGHT BROWN/ORANGE
94AHS075	1900-E	95D/5	02-Aug	B	FAIR-GOOD	0-5CM LIGHT BROWN/ORANGE
94AHS076	1950-E	95D/5	02-Aug	B	GOOD	5CM PALE BROWN
94AHS077	2000-E	95D/5	02-Aug	B?	FAIR	5CM PALE BROWN
94AHS078	2050-E	95D/5	02-Aug	C	FAIR-GOOD	3-5CM PALE BROWN
94AHS079	2100-E	95D/5	02-Aug	B	FAIR	5CM PALE BROWN
94AHS080	2150-E	95D/5	02-Aug	B-C	GOOD	0-5CM RUSTY BROWN
94AHS081	2200-E	95D/5	02-Aug	B?	POOR	5-10CM LIGHT BROWN
94AHS082	2250-E	95D/5	02-Aug	B	FAIR	7CM PALE BROWN
94AHS083	2300-E	95D/5	02-Aug	B	FAIR	10CM PALE BROWN
94AHS084	2350-E	95D/5	02-Aug	B	FAIR	8-10CM PALE BROWN
94AHS085	2400-E	95D/5	02-Aug	B	FAIR	4-8CM LIGHT BROWN
94AHS086	2450-E	95D/5	02-Aug	B	FAIR	5-10CM PALE BROWN
94AHS087	2500-E	95D/5	03-Aug	B-C	FAIR	4-8CM PALE BROWN
94AHS088	1050-E	95D/5	03-Aug	C	GOOD	3-8CM RUSTY BROWN
94AHS089	1100-E, ORGANIC RICH	95D/5	03-Aug	B	POOR-FAIR	15CM MEDIUM BROWN
94AHS090	1150-E	95D/5	03-Aug	B	GOOD	5-10CM MED. - RUSTY BROWN
94AHS091	1200-E, ORGANICS	95D/5	03-Aug	B?	POOR	15CM PALE BROWN
94AHS092	1250-E, ORGANICS	95D/5	03-Aug	B?	POOR	20CM DARK BROWN
94AHS093	1300-E, ORGANIC RICH	95D/5	03-Aug	A?	POOR	15-20CM DARK BROWN-BLACK
94AHS094	1350-E	95D/5	03-Aug	B	FAIR-GOOD	10CM PALE-MED. BROWN
94AHS095	1400-E, ORGANICS	95D/5	03-Aug	B	FAIR	10CM MEDIUM BROWN
94AHS096	1450-E, ORGANIC RICH	95D/5	03-Aug	A-B	POOR	20CM DARK BROWN
94AHS097	1500-E	95D/5	03-Aug	B	GOOD	10CM MEDIUM BROWN
94AHS098	1550-E	95D/5	03-Aug	B	POOR	10CM MED. - DARK BROWN
94AHS099	1600-E, ORGANICS?	95D/5	03-Aug	B	FAIR	10CM MEDIUM BROWN
94AHS100	1650-E	95D/5	03-Aug	B	GOOD	8-10CM LIGHT - MED BROWN
94AHS101	1700-E	95D/5	03-Aug	B	GOOD	5-8CM LIGHT-MED BROWN
94AHS102	1750-E	95D/5	03-Aug	B	GOOD	5-8CM PALE BROWN
94AHS103	1800-E	95D/5	03-Aug	B	FAIR-GOOD	5-7CM PALE-MED BROWN
94AHS104	1850-E	95D/5	03-Aug	B	GOOD	5-8CM MEDIUM BROWN

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SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION			
94AHS105	1900-E	95D/5	03-Aug	B	GOOD	7-10CM	MEDIUM BROWN
94AHS106	1950-E, POSSIBLY AN AREA	95D/5	03-Aug	B?	GOOD	0-5CM	MEDIUM BROWN
94AHS107	2000-E, AREA OF GROUND S	95D/5	03-Aug	B?	GOOD	0-5CM	MEDIUM BROWN
94AHS108	2050-E	95D/5	03-Aug	B	GOOD	8CM	MEDIUM BROWN
94AHS109	2100-E, APPROX. 3M EAST O	95D/5	03-Aug	B	FAIR	5-10CM	MEDIUM BROWN
94AHS110	2150-E, GROUND SEEPAGE I	95D/5	03-Aug	B	FAIR-GOOD	3-7CM	MEDIUM BROWN
94AHS111	2200-E	95D/5	03-Aug	B	GOOD	4-8CM	PALE RUST/BROWN
94AHS112	2250-E	95D/5	03-Aug	B	GOOD	3-8CM	RUSTY BROWN
94AHS113	2300-E	95D/5	03-Aug	C	FAIR-GOOD	0-5CM	RUSTY BROWN
94BDS009	TOP OF RIDGE. USED AS STA	95D/5	AUG 1	B	FAIR	10-15	BLACK TO DARK BROWN
94BDS010	250M EAST	95D/5	AUG 1	B	GOOD	15-20	DARK BROWN
94BDS011	200M EAST	95D/5	AUG 1	A?	FAIR TO POOR	15-20	DARK BROWN TO BLACK
94BDS012	150M EAST	95D/5	AUG 1	B	GOOD	15-20	MEDIUM BROWN
94BDS013	100M EAST	95D/5	AUG 1	B	FAIR	15-20	GREY BROWN
94BDS014	50M EAST. MOSS COVERED	95D/5	AUG 1	C	POOR	15-20	ORANGE BROWN
94BDS015	0M EAST. ALOT OF ROCK CHI	95D/5	AUG 1	C	POOR	25-30	ORANGE BROWN
94BDS016	350M EAST.	95D/5	AUG 1	B	FAIR	10-15	GREY BROWN
94BDS017	400M EAST.	95D/5	AUG 1	B	GOOD	10-15	ORANGE BROWN
94BDS018	450M EAST.	95D/5	AUG 1	B	FAIR	10-15	GREY BROWN
94BDS019	500M EAST.	95D/5	AUG 1	A	FAIR	10-15	GREY BROWN
94BDS020	550M EAST. ALOT OF ROCK C	95D/5	AUG 1	B? C?	FAIR	10-15	ORANGE BROWN
94BDS021	600M EAST.	95D/5	AUG 1	A	FAIR	10-15	GREY BROWN
94BDS022	650M EAST.	95D/5	AUG 1	B	FAIR	10-15	GREY BROWN
94BDS023	700M EAST.	95D/5	AUG 1	A	FAIR	10-15	DARK BROWN TO BLACK
94BDS024	750M EAST. CLAY AND QUAR	95D/5	AUG 2	B	POOR	10-15	GREY BROWN
94BDS025	800M EAST	95D/5	AUG 2	B	FAIR/GOOD	10-15	GREY BROWN
94BDS026	850M EAST.	95D/5	AUG 2	B	FAIR	10-15	ORANGE BROWN
94BDS027	900M EAST.	95D/5	AUG 2	B	FAIR	10-15	GREY BROWN
94BDS028	950M EAST. SOME CLAY.	95D/5	AUG 2	B	POOR	10-15	GREY BROWN
94BDS029	1000M EAST.	95D/5	AUG 2	B	GOOD	10-15	ORANGE BROWN
94BDS030	1050M EAST.	95D/5	AUG 2	B	FAIR/GOOD	10-15	ORANGE BROWN
94BDS031	1100M EAST. CLAY RICH.	95D/5	AUG 2	B	POOR	10-15	GREY
94BDS032	1150M EAST. CLAY RICH.	95D/5	AUG 2	B	POOR	10-15	GREY CLAY & ORANGE BROWN SOIL
94BDS033	1200M EAST. QUARTZITE PEB	95D/5	AUG 2	B	GOOD	10-15	ORANGE BROWN
94BDS034	1250M EAST. SOME CLAY PR	95D/5	AUG 2	B	GOOD	10	GREY CLAY & BROWN SOIL
94BDS035	1300M EAST.	95D/5	AUG 2	B	GOOD	10	ORANGE BROWN
94BDS036	1350M EAST. SOME CLAY.	95D/5	AUG 2	B	FAIR	10-15	GREY CLAY & ORANGE BROWN SOIL
94BDS037	1400M EAST. SOME CLAY.	95D/5	AUG 2	B	GOOD	5-10	GREY CLAY & ORANGE BROWN SOIL
94BDS038	1450M EAST.	95D/5	AUG 2	B	GOOD	5-10	ORANGE BROWN
94BDS039	1500M EAST. A FEW QUARTZI	95D/5	AUG 2	B	FAIR	5-10	GREY BROWN
94BDS040	1550M EAST	95D/5	AUG 2	B	FAIR	10-15	ORANGE BROWN
94BDS041	1600M EAST. CLAY PRESENT.	95D/5	AUG 2	B	POOR	10	GREY BROWN
94BDS042	1650M EAST.	95D/5	AUG 2	B	FAIR/GOOD	10	ORANGE BROWN
94BDS043	1700M EAST	95D/5	AUG 2	B	FAIR/POOR	10	GREY TO ORANGE BROWN

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SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION		
94BDS044	1750M EAST.	95D/5	AUG 2	B	GOOD	10 ORANGE BROWN
94BDS045	1800M EAST.	95D/5	AUG 2	B	GOOD	10 ORANGE BROWN
94BDS046	1850M EAST	95D/5	AUG 2	B	GOOD	10 ORANGE BROWN
94BDS047	1900M EAST.	95D/5	AUG 2	B	GOOD	10 ORANGE BROWN
94BDS048	1950M EAST.	95D/5	AUG 2	B	GOOD	15-20 ORANGE BROWN
94BDS049	2000M EAST	95D/5	AUG 2	B	GOOD	5-10 ORANGE BROWN
94BDS050	2050M EAST	95D/5	AUG 2	B	GOOD	10-15 ORANGE BROWN
94BDS051	2100M EAST.	95D/5	AUG 2	B	FAIR	10-15 GREY BROWN
94BDS052	2150M EAST.	95D/5	AUG 2	B	FAIR	10-15 BROWN
94BDS053	2200M EAST.	95D/5	AUG 2	B	FAIR	10-15 LIGHT BROWN
94BDS054	2250M EAST	95D/5	AUG 2	B	FAIR	10-15 TAN BROWN
94BDS055	2300M EAST	95D/5	AUG 2	B	GOOD	10-15 TAN BROWN
94BDS056	2350M EAST	95D/5	AUG 2	B	GOOD	10-15 TAN BROWN
94BDS057	2400M EAST.	95D/5	AUG 2	B	FAIR	10-15 GREY
94BDS058	2450M EAST.	95D/5	AUG 2	B	GOOD/FAIR	10-15 ORANGE BROWN
94BDS059	2500M EAST.	95D/5	AUG 2	B	GOOD/FAIR	10-15 ORANGE BROWN
94BDS060	1000M EAST. SOME CLAY PR	95D/5	AUG 3	B	FAIR	10-15 MEDIUM BROWN
94BDS061	950M EAST. CLAY & PHYLLIT	95D/5	AUG 3	B	FAIR	10-15 MEDIUM BROWN
94BDS062	900M EAST. CLAY & PHYLLIT	95D/5	AUG 3	B	FAIR	10-15 MEDIUM BROWN
94BDS063	850M EAST.	95D/5	AUG 3	B	GOOD	10-15 ORANGE BROWN
94BDS064	800M EAST. PHYLLITE PRESE	95D/5	AUG 3	B	GOOD	10-15 ORANGE BROWN
94BDS065	750M EAST.	95D/5	AUG 3	B	FAIR	10-15 ORANGE BROWN
94BDS066	700M EAST. ALOT OF PHYLLIT	95D/5	AUG 3	C	POOR	15-20 GREY BROWN
94BDS067	650M EAST. ORGANICS.	95D/5	AUG 3	A	FAIR	20 BLACK
94BDS068	600M EAST. CLAY PRESENT.	95D/5	AUG 3	A	FAIR	45-50 BLACK WITH SOME GREY CLAY
94BDS069	550M EAST.	95D/5	AUG 3	B	FAIR	20 ORANGE BROWN
94BDS070	500M EAST.	95D/5	AUG 3	B	GOOD	20 MEDIUM BROWN
94BDS071	450M EAST.	95D/5	AUG 3	B	FAIR	10-15 ORANGE BROWN
94BDS072	400M EAST.	95D/5	AUG 3	B	GOOD	15-20 TAN BROWN
94BDS073	350M EAST.	95D/5	AUG 3	B	GOOD	15-20 MEDIUM BROWN
94BDS074	300M EAST.	95D/5	AUG 3	B	GOOD	15-20 MEDIUM BROWN
94BDS075	250M EAST.	95D/5	AUG 3	A/B	FAIR	20-25 LIGHT BROWN
94BDS077	150M EAST.	95D/5	AUG 3	A/B	FAIR	40-45 DARK GREY BROWN
94BDS078	100M EAST.	95D/5	AUG 3	B	FAIR	15-20 MEDIUM BROWN
94BDS079	50M EAST. NO ROCK.	95D/5	AUG 3	A/B	FAIR	40 BLACK
94BDS080	0M EAST. SOME CLAY.	95D/5	AUG 3	A/B	FAIR	20-25 DARK GREY
94DHS100	4300ft, GREEN SHALES, 1800-	D-5	2AUG	B	GOOD	35cm BROWN/ORANGE
94DHS101	4300FT, SOME SHALES AND	D-5	2AUG	B	GOOD	34cm BROWN/ORANGE
94DHS102	4300ft, SOME SHALES BLUE/	D-5	2AUG	B	GOOD	35cm BROWN/ORANGE
94DHS103	4300ft, 2100-N	D-5	2AUG	B	GOOD	30cm ORANGE/BROWN
94DHS104	4300ft, 2200-N	D-5	2AUG	B	GOOD	50cm BROWN
94DHS105	4300ft, 2300-N	D-5	2AUG	B	GOOD	40cm BROWN/ORANGE
94DHS106	4300ft, 2400-N	D-5	2AUG	B	GOOD	30cm BROWN/ORANGE
94DHS107	4300ft, BETWEEN A DARK GR	D-5	2AUG	B	GOOD	35cm BROWN

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SAMPLE ID	NOTES	NTS	DATE		SOIL INFORMATION		
94DHS108	4300ft, BIT SANDY, MOIST, CL	D-5	2AUG	B	GOOD	35cm	BROWN
94DHS109	4300ft, 2700-N	D-5	2AUG	B	GOOD	30cm	BROWN/GREY
94DHS110	4300ft, SANDY AND SOME CL	D-5	2AUG	B	FAIR	30cm	BROWN
94DHS111	4300ft, 2900-N	D-5	2AUG	B	GOOD	35cm	LT.BROWN
94DHS112	4300ft, QUARTZ VEIN, VERY R	D-5	2AUG	B	GOOD	30cm	BROWN
94DHS113	4300ft, 3100-N	D-5	2AUG	B	GOOD	25cm	BROWN/BEIGE
94DHS114	4300ft, FALLEN TREE ROOTS,	D-5	2AUG	B	GOOD	2cm	BROWN
94DHS115	4300ft, 3300-N	D-5	2AUG	B	GOOD	25cm	BROWN
94DHS118	4005ft, BIT SANDY, 0-S	D-5	3AUG	B	FAIR	7cm	BEIGE
94DHS117	4000ft, SOME CLAY, 100-S	D-5	3AUG	B	GOOD	15cm	BEIGE/BROWN
94DHS118	4000ft, 200-S	D-5	3AUG	B	GOOD	17cm	BEIGE/RUSTY BROWN
94DHS119	4000ft, SHALES, 300-S	D-5	3AUG	B	FAIR	25cm	BEIGE
94DHS120	4000ft, 400-S	D-5	3AUG	B	FAIR	25cm	BEIGE
94DHS121	4000ft, 500-S	D-5	3AUG	B	POOR	40cm	BLACK
94DHS122	4000ft, 600-S	D-5	3AUG	B	FAIR	30cm	BEIGE/BLACK
94DHS123	4000ft, 700-S	D-5	3AUG	B	GOOD	30cm	BEIGE, SOME BLACK
94DHS124	4000ft, 800-S	D-5	3AUG	B	GOOD	6cm	RUSTY BROWN
94DHS125	4000ft, SOME CLAY, 900-S	D-5	3AUG	B	GOOD	12cm	BEIGE/BROWN
94DHS128	4000ft, SOME SHALES AND C	D-5	3AUG	B	GOOD	6cm	RUSTY BROWN
94DHS127	4000ft, CLAY, 1100-S	D-5	3AUG	B	GOOD	3cm	RUSTY BROWN
94DHS128	4000ft, 1200-S	D-5	3AUG	B	GOOD	5cm	RUSTY BROWN
94DHS129	4000ft, CLAY, SOME SHALES,	D-5	3AUG	B	GOOD	6cm	RUSTY BROWN
94DHS130	4000ft, SOME ROOTS, FINE, N	D-5	3AUG	B	GOOD	5cm	RUSTY BROWN
94DHS131	4000ft, 1500-S	D-5	3AUG	B	GOOD	8cm	BEIGE/BROWN
94DHS132	4000ft, 1600-S	D-5	3AUG	B	GOOD	9cm	BEIGE/BROWN
94DHS133	4000ft, 1700-S	D-5	3AUG	B	GOOD	14cm	BEIGE/BROWN
94DHS134	4000ft, SOME RUSTY SPOTS,	D-5	3AUG	B	FAIR	15cm	BEIGE
94DHS135	4000ft, HIT ROCK, LOOSE AN	D-5	3AUG	B/C	POOR	15cm	BLACK/BEIGE
94DHS138	4000ft, LOOSE, LIGHT, 2000-S	D-5	3AUG	B	GOOD	12cm	BROWN
94DHS137	4000ft, 2100-S	D-5	3AUG	B	GOOD	6cm	RUSTY BROWN
94DHS138	4000ft, 2200-S	D-5	3AUG	B	GOOD	10cm	RUSTY BROWN
94DHS139	4000ft, 2300-S	D-5	3AUG	B	GOOD	22cm	RUSTY BROWN/GREY
94DHS64	3904ft, 0-S, CLAY, ROOTS AN	D-5	1AUG	B	FAIR/GOOD	12cm	DK.BROWN/GREY
94DHS65	3904ft, SANDY AND PEBBLES,	D-5	1AUG	B	POOR	9cm	LT.BROWN
94DHS66	3904ft, BIT OF DIRT, 200-S	D-5	1AUG	B	GOOD	15cm	LT.BROWN
94DHS67	3904ft, HIT ROCK ON CONSE	D-5	1AUG	B	GOOD	10cm	LT.BROWN
94DHS68	3894ft, HIT ROCK, SANDY, MU	D-5	1AUG	B	FAIR	14cm	BEIGE/LT.BROWN
94DHS69	3897ft, SANDY, ROCKY, SHAL	D-5	1AUG	B	FAIR	14cm	LT.BROWN/BEIGE
94DHS70	3904ft, SANDY, 840-S	D-5	1AUG	B	FAIR	7cm	BEIGE/LT.BROWN
94DHS71	3907ft, 740-S	D-5	1AUG	B	GOOD	11cm	BROWN
94DHS72	3907ft, BIT SANDY, 840-S	D-5	1AUG	B	FAIR/GOOD	15cm	BROWN/BLACK
94DHS73	3904ft, VERY SANDY, LOOSE,	D-5	1AUG	B	FAIR/GOOD	15cm	LT.BROWN
94DHS74	3904ft, LIGHT, MUCH SHALE,	D-5	1AUG	B	GOOD	15cm	LT.BROWN
94DHS75	3904ft, SANDY, 1140-S	D-5	1AUG	B	FAIR/GOOD	15cm	LT.BROWN

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SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION		
94DHS76	3910R, UNDER AN UPROOTE	D-5	1AUG	B	GOOD	3cm DK.BROWN
94DHS77	3910R, CLAY, 1330-S	D-5	1AUG	B	GOOD	17cm BROWN
94DHS78	3904R, 1430-S	D-5	1AUG	B	GOOD	10cm BROWN/BLACK
94DHS79	3907R, BROWN SPOTS ON SO	D-5	1AUG	B	GOOD	3cm BROWN
94DHS80	3904R, 1630-S	D-5	1AUG	B	FAIR	12cm GREY/BROWN
94DHS81	3904R, 1730-S	D-5	1AUG	B	GOOD	8cm LT.BROWN
94DHS82	4300R, GREY SANDY SOIL ON	D-5	2AUG	B	GOOD	8cm DK.BROWN
94DHS83	4300R, GREY LAYER ON TOP	D-5	2AUG	B	FAIR/GOOD	5cm ORANGE/BROWN
94DHS84	4300R, 205-N	D-5	2AUG	B/C	GOOD	8cm BROWN
94DHS85	4300R, 305-N, HIT OUTCROP	D-5	2AUG	C/B	FAIR	4cm GREY/BROWN
94DHS86	4295R, 400-N	D-5	2AUG	B	GOOD	6cm GREY
94DHS87	4300R, SILTY, VERY LIGHT, 50	D-5	2AUG	B	GOOD	5cm GREY
94DHS88	4300R, 600-N	D-5	2AUG	B	GOOD	15cm BROWN/GREY
94DHS89	4300R, 700-N	D-5	2AUG	B	GOOD	13cm BROWN/GREY
94DHS90	4300R, 800-N	D-5	2AUG	B	GOOD	10cm LT.BROWN/GREY
94DHS91	4300R, VERY COARSE, MUCH	D-5	2AUG	B	POOR	12cm BLACK/BROWN
94DHS92	4300R, 1000-N	D-5	2AUG	B	GOOD	5cm BROWN
94DHS93	4300R, BIT SANDY, 1100-N	D-5	2AUG	B	GOOD	8cm LT.BROWN
94DHS94	4300R, LOOSE, SOME ROOTS	D-5	2AUG	B	FAIR	3cm BEIGE/BROWN
94DHS95	4300R, UNDER GREY, DEEP,	D-5	2AUG	B	GOOD	30cm BROWN
94DHS96	4300R, 1400-N	D-5	2AUG	B	FAIR	30cm LT.BROWN/BEIGE
94DHS97	4300R, SHALES, 1500-N	D-5	2AUG	B	GOOD	35cm BEIGE/LT.BROWN
94DHS98	4300R, CLAYISH, 1600-N	D-5	2AUG	B	GOOD	35cm DK.BROWN
94DHS99	4300R, QUARTZ VEIN, MUCH	D-5	2AUG	B	GOOD	35cm BROWN/ORANGE
94DPS048	SOIL FROM SQUIRREL BURR	95D/12	23-Jul	B ?	POOR	20 BROWN TO REDDISH BROWN
94JTS081	4300 FT 00-E	95D/5	31-AUG	B	GOOD	15 LT. BR.
94JTS082	4310 FT 50-E	95D/5	31-AUG	B	GOOD	25 LT. BR.
94JTS083	4320 FT 100-E	95D/5	31-AUG	B	GOOD	25 LT. BR.
94JTS084	4350 FT 150-E	95D/5	31-AUG	B	GOOD	25 LT. BR.
94JTS085	4400 FT 200-E	95D/5	31-AUG	B	GOOD	25 BR.
94JTS086	4470 FT 250-E	95D/5	31-AUG	B	GOOD	25 GR. BR.
94JTS087	4510 FT 300-E	95D/5	31-AUG	B	GOOD	20 GR. BR.
94JTS088	4610 FT 350-E	95D/5	31-AUG	B	GOOD	15 BR.
94JTS089	4680 FT 400-E	95D/5	31-AUG	B	GOOD	15 BR.
94JTS070	4700 FT 450-E	95D/5	31-AUG	B	GOOD	10 BR.
94JTS071	4700 FT 500-E	95D/5	31-AUG	B	GOOD	15 BR.
94JTS072	4680 FT 550-E	95D/5	31-AUG	B	GOOD	15 BR.
94JTS073	4650 FT 600-E	95D/5	31-AUG	B	GOOD	15 Y WITH BR..
94JTS074	4640 FT 650-E	95D/5	31-AUG	B	GOOD	5 GR. BR.
94JTS075	4630 FT 700-E	95D/5	31-AUG	B	GOOD	10 BR.
94JTS076	4600 FT 750-E	95D/5	31-AUG	B	GOOD	5 LT. BR.
94JTS077	4600 FT 800-E	95D/5	31-AUG	B	GOOD	15 LT. BR.
94JTS078	4580 FT 850-E	95D/5	31-AUG	B	GOOD	10 BR.
94JTS079	4530 FT 900-E	95D/5	31-AUG	B	GOOD	20 LT. BR.

ELEV. 4633 FT. ON W SIDE RIDGE.

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SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION			
94JTS080	4500 FT 950-E	95D/5	31-AUG	B	GOOD	20	BR.
94JTS081	4460 FT 1000-E	95D/5	31-AUG	B	GOOD	15	BR.
94JTS082	4500 FT 1050-E	95D/5	31-AUG	B	GOOD	10	BR.
94JTS083	4530 FT 1100-E	95D/5	31-AUG	B	GOOD	10	LT. BR.
94JTS085	4625 FT 1200-E	95D/5	31-AUG	B	GOOD		BR.
94JTS086	4660 FT 1250-E	95D/5	31-AUG	B	GOOD	15	BR.
94JTS087	4675 FT 1300-E	95D/5	31-AUG	B	GOOD	5	BR.
94JTS088	4700 FT 1350-E	95D/5	31-AUG	B	GOOD	5	BR.
94JTS089	4675 FT 1400-E	95D/5	31-AUG	B	GOOD	20	BR.
94JTS090	4640 FT 1450-E	95D/5	31-AUG	B	GOOD	10	BR.
94JTS091	4600 FT 1500-E	95D/5	31-AUG	B	GOOD	5	BR.
94JTS092	4560 FT 1550-E	95D/5	31-AUG	B	GOOD	10	BR.
94JTS093	4480 FT 1600-E	95D/5	31-AUG	B	GOOD	15	BR.
94JTS094	4490 FT 1650-E	95D/5	31-AUG	B	GOOD	20	GR. BR.
94JTS095	4500 FT 1700-E	95D/5	31-AUG	B	GOOD	15	BR.
94JTS096	4500 FT 1750-E	95D/5	31-AUG	B	GOOD	10	BR.
94JTS097	4500 FT 1800-E	95D/5	31-AUG	B	GOOD	15	BR.
94JTS098	4475 FT 1850-E	95D/5	31-AUG	B	GOOD	15	BR.
94JTS099	4400 FT 1900-E	95D/5	31-AUG	B	GOOD	15	BR.
94JTS100	4375 FT 1950-E	95D/5	31-AUG	B	GOOD	20	BR.
94JTS101	4350 FT 2000-E	95D/5	31-AUG	B	GOOD	20	Y WITH BR.
94JTS102	4350 FT 2050-E	95D/5	31-AUG	B	GOOD	20	BR.
94JTS103	4300 FT 2100-E	95D/5	31-AUG	B	GOOD	20	GR. BR.
94JTS104	4300 FT 2150-E	95D/5	31-AUG	B	GOOD	20	Y WITH BR.
94JTS105	4250 FT 2200-E	95D/5	31-AUG	B	GOOD	20	Y WITH BR.
94JTS106	4230 FT 2250-E	95D/5	31-AUG	B	GOOD	20	Y WITH BR.
94JTS107	4200 FT 2300-E	95D/5	31-AUG	B	GOOD	20	Y WITH BR.
94JTS108	2350 FT 2350-E	95D/5	31-AUG	B	GOOD	20	Y WITH BR.
94JTS109	4190 FT 2400-E	95D/5	31-AUG	B	GOOD	20	BR.
94JTS110	4150 FT 2450-E	95D/5	31-AUG	B	GOOD	20	Y WITH BR.
94JTS111	4080 FT 2500-E	95D/5	31-AUG	B	GOOD	20	Y WITH BR.
94JTS112	4075 FT 2550-E	95D/5	31-AUG	B	GOOD	20	Y WITH BR.
94JTS113	4050 FT 2600-E	95D/5	31-AUG	B	GOOD	20	Y WITH BR.
94JTS114	4000 FT 2650-E	95D/5	31-AUG	B	GOOD	20	BR.
94JTS115	3975 FT 2700-E	95D/5	31-AUG	B	GOOD	20	BR.
94JTS150	0-W SAMPLES TAKEN AT 50	95D/5	SEPT-19	B	GOOD		LT. BR.
94JTS151		95D/5	SEPT-19	B	GOOD		LT. BR.
94JTS152		95D/5	SEPT-19	B	GOOD		LT. BR.
94JTS153		95D/5	SEPT-19	B	GOOD		LT. BR.
94JTS154		95D/5	SEPT-19	B	GOOD		LT. BR.
94JTS155		95D/5	SEPT-19	B	GOOD		LT. BR.
94JTS156		95D/5	SEPT-19	B	GOOD		LT. BR.
94JTS157		95D/5	SEPT-19	B	GOOD		LT. BR.
94JTS158		95D/5	SEPT-19	B	GOOD		LT. BR.

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SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION			
94JTS159		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS160		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS161		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS162		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS163		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS164		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS165		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS166		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS167		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS168		95D/5	SEPT-19	B	GOOD	Y. W/ BR.	
94JTS169		95D/5	SEPT-19	B	GOOD	Y. W/ BR.	
94JTS170		95D/5	SEPT-19	B	GOOD	Y. W/ BR.	
94JTS171		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS172		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS173		95D/5	SEPT-19	B	GOOD	GR. BR.	
94JTS174		95D/5	SEPT-19	B	GOOD	GR. BR.	
94JTS175		95D/5	SEPT-19	B	GOOD	GR. BR.	
94JTS176		95D/5	SEPT-19	B	GOOD	GR. BR.	
94JTS177		95D/5	SEPT-19	B	GOOD	GR. BR.	
94JTS178		95D/5	SEPT-19	B	GOOD	GR. BR.	
94JTS179		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS180		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS181		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS182		95D/5	SEPT-19	B	GOOD	GR. BR.	
94JTS183		95D/5	SEPT-19	B	GOOD	GR. BR.	
94JTS184		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS185		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS186		95D/5	SEPT-19	B	GOOD	LT. BR.	
94JTS187		95D/5	SEPT-19	B	GOOD	LT. BR.	
94TTSO35	MCMILLAN PROPERTY - grab	95D/5	03-Sep	b	good	0 pyrite	as above
94TTSO36	4500' primarily argillite grey fe	95D/5	09-Sep	b	good	0	red
94TTSO37	4590' west side cj property	95D/5	09-Sep	b	good	0	red
94TTSO10	175m 5830'	95D/5	20-Jul	B/C		0-10	GREY
94TTSO11	5780'	95D/5	20-Jul	B/C		0-10	RED
94TTSO12	5710 in saddle	95D/5	20-Jul	B/C		0-10	GREY
94TTSO13	5740' lots of qtz stockwork	95D/5	20-Jul	B/C		0-10	GREY
94TTSO14	5750' west side of ridge very rus	95D/5	20-Jul	B/C		0-10	RED
94TTSO15	top of ridge where i phoned fro	95D/5	21-Jul	B/C		0-10	RED
94TTSO16	4720' on side of ssaddle	95D/12	23-Jul	B/C		0-10	RED
94TTSO17	4780	95D/12	23-Jul	B/C		0-10	RED
94TTSO18	4820'	95D/12	23-Jul	B/C		0-10	RED
94TTSO19	4900'	95D/12	23-Jul	B/C		0-10	RED
94TTSO20	4920'	95D/12	23-Jul	B/C		0-10	GREY
94TTSO21	unknown	95D/12	23-Jul	B/C		0-10	GREY



## WESTMIN RESOURCES LIMITED

## HYLAND PROJECT

SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION		
94YTS109	4800 FT 800-E	95D/5	31-AUG	B	GOOD	20 GR. BR.
94YTS110	4800 FT 900-E	95D/5	31-AUG	B	GOOD	30 MED. BR.
94YTS111	4800 FT 1000-E	95D/5	31-AUG	B	GOOD	2 LT. RED
94YTS112	4800 FT 1100-E	95D/5	31-AUG	B	GOOD	0 MED. BR.
94YTS113	4800 FT 1200-E	95D/5	31-AUG	B	GOOD	0 GR. BR.
94YTS114	4800 FT 1300-E	95D/5	31-AUG	B	GOOD	5 GR. BR.
94YTS115	4800 FT 1400-E	95D/5	31-AUG	B	GOOD	5 GR.
94YTS116	4800 FT 1500-E	95D/5	31-AUG	B	GOOD	10 GR. & CLAY
94YTS117	4800 FT 1600-E	95D/5	31-AUG	B	GOOD	5 GR.
94YTS118	4800 FT 1700-E	95D/5	31-AUG	B	GOOD	5 GR. & BR.
94YTS120	4800 FT 1800-E	95D/5	31-AUG	B	GOOD	10 BR. & GR.
94YTS121	4800 FT 2000-E	95D/5	02-SEPT	B	GOOD	GR. & BR.
94YTS122	4800 FT 2100-E	95D/5	02-SEPT	B	GOOD	GR. & BR.
94YTS123	4800 FT 2200-E	95D/5	02-SEPT	B	GOOD	GR. BR.
94YTS124	4800 FT 2300-E	95D/5	02-SEPT	B	GOOD	LT. BR.
94YTS125	4800 FT 2400-E	95D/5	02-SEPT	B	GOOD	BR.
94YTS126	4800 FT 2500-E	95D/5	02-SEPT	B	GOOD	BR.
94YTS127	4800 FT 2600-E	95D/5	02-SEPT	B	GOOD	BR. & GR.
94YTS128	4800 FT 2700-E	95D/5	02-SEPT	B	GOOD	BR.
94YTS129	4800 FT 2800-E	95D/5	02-SEPT	B	GOOD	BR. & GR.
94YTS130	4800 FT 2900-E	95D/5	02-SEPT	B	GOOD	BR.
94YTS131	4800 FT 3000-E	95D/5	02-SEPT	B	GOOD	BR..
94YTS132	4800 FT 3100-E	95D/5	02-SEPT	B	GOOD	DRK. GR.
94YTS133	4800 FT3200-E	95D/5	02-SEPT	B	GOOD	LT. REDDISH BR.
94YTS134	4800 FT 3300-E	95D/5	02-SEPT	B	MOST EXCELLENT	BR. & GR.
94YTS135	4800 FT 3400-E	95D/5	02-SEPT	B	GOOD	LT. REDDISH BR.
94YTS136	4800 FT 3500-E	95D/5	02-SEPT	B	GOOD	REDDISH BR.
94YTS137	4800 FT 3600-E	95D/5	02-SEPT	B	GOOD	LT'REDDISH BR.
94YTS138	4800 FT 3700-E	95D/5	02-SEPT	B	GOOD	BR.
94YTS139	4800 FT3800-E	95D/5	02-SEPT	B	GOOD	REDDISH BR.
94YTS140	4700 FT3900-E	95D/5	02-SEPT	B	GOOD	BR. & GR.
94YTS141	4700 FT 4000-E	95D/5	02-SEPT	B	GOOD	LT. RED BR.
94YTS142	4700 FT 4100-E	95D/5	02-SEPT	B	GOOD	BR.
94YTS143	4700 FT 4200-E	95D/5	02-SEPT	B	GOOD	LT. BR
94YTS144	4700 FT4250-E	95D/5	02-SEPT	B	GOOD	LT. REDDISH BR.
94YTS145	4800 FT 4300-E SCREE SLOP	95D/5	02-SEPT	B	GOOD	BR.
94YTS146	4800 FT4450-E	95D/5	02-SEPT	B	GOOD	BR.
94YTS147	4500 FT 4940-E	95D/5	02-SEPT	B	GOOD	GR. & DRK. BR.
94YTS148	4500 FT4994-E	95D/5	02-SEPT	B	GOOD	BR.
94YTS149	4500 FT 5100-E	95D/5	02-SEPT	B	GOOD	.GR. &BR.
94YTS150	4500 FT 5200-E	95D/5	02-SEPT	B	GOOD	BR.
94YTS151	4500 FT 0-N	95D/5	03-SEPT	B	GOOD	LT. BR.
94YTS152	4500 FT 100-N	95D/5	03-SEPT	B	GOOD	GR.
94YTS153	4500 FT 200-N	95D/5	03-SEPT	B	GOOD	LT. GR. BR.

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## HYLAND PROJECT

SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION	
94YTS154	4500 FT 300-N	95D/5	03-SEPT	B	GOOD LT. GR. BR.
94YTS155	4500 FT 400-N	95D/5	03-SEPT	B	VERY NICE LT. BR.
94YTS156	4500 FT 500-N	95D/5	03-SEPT	B	GOOD BR.
94YTS157	4500 FT 600-N	95D/5	03-SEPT	B	GOOD REDDISH BR.
94YTS158	4500 FT 700-N	95D/5	03-SEPT	B	GOOD BR.
94YTS159	4500 FT 800-N	95D/5	03-SEPT	B	GOOD BR.
94YTS160	4500 FT 900-N	95D/5	03-SEPT	B	GOOD RED BR.
94YTS161	4500 FT 1000-N	95D/5	03-SEPT	B	GOOD RED BR.
94YTS162	4500 FT 1100-N	95D/5	03-SEPT	B	GOOD BR.
94YTS163	4500 FT 1200-N	95D/5	03-SEPT	B	GOOD BR.
94YTS164	4500 FT 1300-N	95D/5	03-SEPT	B	GOOD BR.
94YTS165	4500 FT 1400-N	95D/5	03-SEPT	B	GOOD RED BR.
94YTS166	4500 FT 1500-N	95D/5	03-SEPT	B	GOOD RED BR.
94YTS167	4500 FT 1600-N	95D/5	03-SEPT	B	GOOD RED BR.
94YTS168	4500 FT 1700-N	95D/5	03-SEPT	B	GOOD BR.
94YTS169	4500 FT 1800-N	95D/5	03-SEPT	B	GOOD BR.
94YTS170	4500 FT 1900-N	95D/5	03-SEPT	B	GOOD BR.
94YTS171	4500 FT 2000-N	95D/5	03-SEPT	B	GOOD DRK. BR.
94YTS172	4500 FT 2100-N	95D/5	03-SEPT	B	GOOD BR.
94YTS173	4500 FT 2200-N	95D/5	03-SEPT	B	GOOD BR.
94YTS174	4500 FT 2300-N	95D/5	03-SEPT	B	GOOD BR.
94YTS175	4500 FT 2400-N	95D/5	03-SEPT	B	GOOD BR.
94YTS176	4500 FT 2500-N	95D/5	03-SEPT	B	GOOD BR.
94YTS177	4500 FT 2600-N	95D/5	03-SEPT	B	GOOD BR.
94YTS178	4500 FT 2700-N	95D/5	03-SEPT	B	FAIR BR.
94YTS179	4500 FT 2800-N	95D/5	03-SEPT	B	GOOD BR.
94YTS180	4500 FT 2900-N	95D/5	03-SEPT	B	GOOD BR.
94YTS181	4500 FT 3000-N	95D/5	03-SEPT	B	GOOD BR.
94YTS182	ALL ELEV. FROM S182 TO S20	95D/5	04-SEPT	B	GOOD LT. BR. & GR.
94YTS183	100	95D/5	04-SEPT	B	GOOD LT. BR.
94YTS184	200	95D/5	04-SEPT	B	GOOD MED BR.
94YTS185	300	95D/5	04-SEPT	B	GOOD MED BR.
94YTS186	400	95D/5	04-SEPT	B	GOOD BR. & GR.
94YTS187	500	95D/5	04-SEPT	B	GOOD LT. BR. & GR.
94YTS188	CLAIM LINE AT 825-N, 800-N	95D/5	04-SEPT	B	GOOD LT. BR. & GR.
94YTS189	700	95D/5	04-SEPT	B	GOOD BR.
94YTS190	800	95D/5	04-SEPT	B	GOOD GR.-BR.
94YTS191	900	95D/5	04-SEPT	B	GOOD LT. BR. & GR.
94YTS192	1000	95D/5	04-SEPT	B	GOOD MED. BR.
94YTS193	1100	95D/5	04-SEPT	B	GOOD GR.-BR.
94YTS194	1200	95D/5	04-SEPT	B	GOOD DRK. BR. WITH A TOUCH OF GR.
94YTS195	1300	95D/5	04-SEPT	B	GOOD MED. BR.
94YTS196	1400	95D/5	04-SEPT	B	GOOD GR.-BR.
94YTS197	1500	95D/5	04-SEPT	B	GOOD GR. & BR.

WESTMIN RESOURCES LIMITED  
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SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION		
94YTS198		1800	95D/5	04-SEPT		
94YTS199		1700	95D/5	04-SEPT	B GOOD	GR.-BR.
94YTS200		1800	95D/5	04-SEPT	B GOOD	GR.-BR.
94YTS201		1900	95D/5	04-SEPT	B GOOD	RED BR.
94YTS202		2000	95D/5	04-SEPT	B GOOD	RED BR.
94YTS203		2100	95D/5	04-SEPT	B GOOD	GR.
94YTS204		2200	95D/5	04-SEPT	B GOOD	MED. BR. & GR.
94YTS205		2300	95D/5	05-SEPT	B GOOD	LT. BR. & GR.
94YTS206		2400	95D/5	05-SEPT	B GOOD	BR.
94YTS207		2500	95D/5	05-SEPT	B GOOD	MED BR.
94YTS208		2800	95D/5	05-SEPT	B GOOD	BR.
94YTS209		2700	95D/5	05-SEPT	B GOOD	MED BR.
94YTS210		2800	95D/5	05-SEPT	B GOOD	BR. & GR.
94YTS211		2900	95D/5	05-SEPT	B GOOD	BR. & GR.
94YTS212		3000	95D/5	05-SEPT	B GOOD	DRK. BR.
94YTS213		3100	95D/5	05-SEPT	B GOOD	DRK. BR.
94YTS214		3200	95D/5	05-SEPT	B GOOD	MED. BR.
94YTS215		3300	95D/5	05-SEPT	B GOOD	BR.
94YTS216		3400	95D/5	05-SEPT	B GOOD	BR.
94YTS217		3500	95D/5	05-SEPT	B GOOD	LT. BR.
94YTS218		3800	95D/5	05-SEPT	B GOOD	MED. BR.
94YTS219		3700	95D/5	05-SEPT	B GOOD	LT. BR.
94YTS220		3800	95D/5	05-SEPT	B GOOD	BR.
94YTS221		3900	95D/5	05-SEPT	B FAIR	GR.
94YTS222		4000	95D/5	05-SEPT	B GOOD	BR.
94YTS223		4100	95D/5	05-SEPT	B GOOD	LT. BR.
94YTS224		4200	95D/5	05-SEPT	B GOOD	LT. BR. & DRK. BR.
94YTS225		4300	95D/5	05-SEPT	B GOOD	BR.
94YTS226		4400	95D/5	05-SEPT	B GOOD	BR. & GR.
94YTS227		4500	95D/5	05-SEPT	B GOOD	BR.
94YTS228		4800	95D/5	05-SEPT	B GOOD	BR.
94YTS229		4700	95D/5	05-SEPT	B GOOD	BR. & GR.
94YTS230		4800	95D/5	05-SEPT	B GOOD	BR.
94YTS231		4900	95D/5	05-SEPT	B GOOD	REDDISH BR.
94YTS232		5000	95D/5	05-SEPT	B GOOD	REDDISH BR.
94YTS233		5100	95D/5	05-SEPT	B GOOD	BR.
94YTS234		5200	95D/5	05-SEPT	B GOOD	BR.
94YTS235		5300	95D/5	05-SEPT	B GOOD	LT. BR. WITH A HINT OF RED
94YTS236		5400	95D/5	05-SEPT	B GOOD	LT. BR.
94YTS237		5500	95D/5	05-SEPT	B GOOD	LT. BR.
94YTS238		5600	95D/5	05-SEPT	B GOOD	REDDISH BR.
94YTS239		5700	95D/5	05-SEPT	B GOOD	REDDISH BR.
94YTS240		5800	95D/5	05-SEPT	B GOOD	BR.
94YTS241	CONTOUR AT 4500' ON WEST	95D/5	07-Sep		B GOOD	GR BRN

CLAIM LINE AT 4330-N

CLAIM LINE AT 5825-N

## WESTMIN RESOURCES LIMITED

## HYLAND PROJECT

SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION
94YTS242		100	95D/5 07-Sep	B GOOD BRN
94YTS243		200	95D/5 07-Sep	B GOOD BRN
94YTS244		300	95D/5 07-Sep	B GOOD BRN
94YTS245		400	95D/5 07-Sep	B GOOD BRN
94YTS246		500	95D/5 07-Sep	B GOOD BRN
94YTS247		600	95D/5 07-Sep	B GOOD BRN
94YTS248		700	95D/5 07-Sep	B GOOD BRN
94YTS249		800	95D/5 07-Sep	B GOOD BRN
94YTS250		900	95D/5 07-Sep	B GOOD BRN
94YTS251	CLAIM LINE AT 1050N - 1000-	95D/5	07-Sep	B GOOD DK BRN
94YTS252	CREEK CROSSING AT 1115 -	95D/5	07-Sep	B GOOD BRN
94YTS253		1200	95D/5 07-Sep	B GOOD BRN
94YTS254		1300	95D/5 07-Sep	B GOOD BRN
94YTS255		1400	95D/5 07-Sep	B GOOD BRN
94YTS256		1500	95D/5 07-Sep	B GOOD BRN
94YTS257		1600	95D/5 07-Sep	B GOOD GR BRN
94YTS258		1700	95D/5 07-Sep	B GOOD GR BRN
94YTS259		1800	95D/5 07-Sep	B GOOD BRN
94YTS260		1900	95D/5 07-Sep	B GOOD BRN
94YTS261		2000	95D/5 07-Sep	B GOOD BRN
94YTS262	CLAIM LINE AT 2135N - 2100-	95D/5	07-Sep	B GOOD BRN
94YTS263		2200	95D/5 07-Sep	B GOOD BRN
94YTS264		2300	95D/5 07-Sep	B GOOD BRN
94YTS265		2400	95D/5 07-Sep	B GOOD BRN
94YTS266		2500	95D/5 07-Sep	B GOOD BRN
94YTS267		2600	95D/5 07-Sep	B GOOD BRN
94YTS268		2700	95D/5 07-Sep	B GOOD BRN
94YTS269		2800	95D/5 07-Sep	B GOOD BRN
94YTS270		2900	95D/5 07-Sep	B GOOD BRN
94YTS271		3000	95D/5 07-Sep	B GOOD GR BRN
94YTS272		3100	95D/5 07-Sep	B GOOD GR BRN
94YTS273		3200	95D/5 07-Sep	B GOOD GR BRN
94YTS274		3300	95D/5 07-Sep	B GOOD BRN GR BRN
94YTS275		3400	95D/5 07-Sep	B GOOD BRN
94YTS276		3500	95D/5 07-Sep	B GOOD BRN
94YTS277	CLAIM LINE AT 3685N - 3600-	95D/5	07-Sep	B GOOD BRN
94YTS278		3700	95D/5 07-Sep	B GOOD GR BRN
94YTS279		3800	95D/5 07-Sep	B GOOD BRN/RED
94YTS280		3900	95D/5 07-Sep	B GOOD RED BRN
94YTS281		4000	95D/5 07-Sep	B GOOD RED BRN
94YTS282	SAMPLE TAKEN ON HUMP AT	95D/5	07-Sep	B GOOD RED BRN
94YTS283		100	95D/5 07-Sep	B GOOD LT BRN GRY
94YTS284	CONTOUR AT 4300 FEET - 0-N	95D/5	08-Sep	B GOOD BRN
94YTS285		100	95D/5 08-Sep	B GOOD RED BRN

## WESTMIN RESOURCES LIMITED

## HYLAND PROJECT

SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION
94YTS286		200	95D/5 08-Sep	B GOOD RED BRN
94YTS287		300	95D/5 08-Sep	B GOOD RED BRN
94YTS288		400	95D/5 08-Sep	B GOOD RED BRN GRY
94YTS289		500	95D/5 08-Sep	B GOOD BRN
94YTS290		600	95D/5 08-Sep	B GOOD LT BRN
94YTS291		700	95D/5 08-Sep	B GOOD LT RED
94YTS292		800	95D/5 08-Sep	B GOOD BRN
94YTS293		900	95D/5 08-Sep	B GOOD BRN MINOR RED
94YTS294		1000	95D/5 08-Sep	B GOOD BRN
94YTS295		1100	95D/5 08-Sep	B GOOD RED BRN
94YTS296		1200	95D/5 08-Sep	B GOOD BRN
94YTS297		1300	95D/5 08-Sep	B GOOD BRN
94YTS298		1400	95D/5 08-Sep	B GOOD BRN
94YTS299		1500	95D/5 08-Sep	B GOOD BRN
94YTS300	CLAIM LINE AT 1600 -N -1600-	95D/5	08-Sep	B GOOD RED BRN
94YTS301		1700	95D/5 08-Sep	B GOOD LT RED B RN GRY
94YTS302		1800	95D/5 08-Sep	B GOOD LT BRN RED
94YTS303		1900	95D/5 08-Sep	B GOOD LT RED BRN
94YTS304		2000	95D/5 08-Sep	B GOOD MED BRN MINOR RED
94YTS305		2100	95D/5 08-Sep	B GOOD RED BRN
94YTS306		2200	95D/5 08-Sep	B FAIR LT BRN
94YTS307		2300	95D/5 08-Sep	B GOOD MED BRN MINOR RED
94YTS308		2400	95D/5 08-Sep	B GOOD BRN
94YTS309A	CONTOUR AT 4200 FT 0-S	95D/5	08-SEPT	B GOOD BR.
94YTS310	100-S	95D/5	08-SEPT	B GOOD BR.
94YTS311	200-S	95D/5	08-SEPT	B GOOD BR.
94YTS312	300-S	95D/5	08-SEPT	B GOOD GR.-BR.
94YTS313	400-S	95D/5	08-SEPT	B GOOD BR.
94YTS314	500-S	95D/5	08-SEPT	B FAIR GR.-BR.
94YTS315	600-S	95D/5	08-SEPT	B GOOD GR.-BR..
94YTS316	700-S	95D/5	08-SEPT	B FAIR GR.-BR..
94YTS317	800-S	95D/5	08-SEPT	B GOOD GR.-BR..
94YTS318	900-S	95D/5	08-SEPT	B GOOD GR.-BR..
94YTS319	1000-S	95D/5	08-SEPT	B FAIR GR.-BR..
94YTS320	1100-S CLAIM LINE AT 1160-S	95D/5	08-SEPT	B FAIR GR.
94YTS321	1200-S	95D/5	08-SEPT	B GOOD GR. & LT. BR.
94YTS322	1300-S	95D/5	08-SEPT	B GOOD MED BR.
94YTS323	1400-S	95D/5	08-SEPT	B GOOD DRK. GR.-BR.
94YTS324	1500-S	95D/5	08-SEPT	B GOOD MED. BR.
94YTS325	1600-S	95D/5	08-SEPT	B GOOD DRK. GR.
94YTS326	1700-S	95D/5	08-SEPT	B GOOD MED. BR. & GR.
94YTS327	1800-S	95D/5	08-SEPT	B FAIR GR.
94YTS328	1860-S SAMPLE TAKEN AT SE	95D/5	08-SEPT	B GOOD RED
94YTS329	1900-S	95D/5	08-SEPT	B GOOD RED BR.

WESTMIN RESOURCES LIMITED  
HYLAND PROJECT

SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION		
94YTS330	2000-S	95D/5	08-SEPT	B GOOD	GR.-BR.	
94YTS331	2100-S	95D/5	08-SEPT	B GOOD	BR. & GR.	
94YTS332	2200-S	95D/5	08-SEPT	B GOOD	BR.	
94YTS335	CONTOURS AT 3500 FT ELV.	95D/12	11-SEPT	B GOOD	GR. & BR.	
94YTS336	100-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS337	200-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS338	300-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS339	400-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS340	500-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS341	600-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS342	700-N	95D/12	11-SEPT	B GOOD	DRK BR.	
94YTS343	800-N	95D/12	11-SEPT	B GOOD	LT. BR.	
94YTS344	900-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS345	1000-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS346	1100-N	95D/12	11-SEPT	B GOOD	LT. BR.	
94YTS347	1200-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS348	1300-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS349	1400-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS350	1500-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS351	1600-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS352	1700-N	95D/12	11-SEPT	B GOOD	RED BR.	
94YTS353	1800-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS354	1900-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS355	2000-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS356	2100-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS357	2200-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS358	2300-N	95D/12	11-SEPT	B GOOD	BR.	
94YTS359	2400-N CRKXING AT 2410-N	95D/12	11-SEPT	B GOOD	GR.-BR.	
94YTS360	2500-N	95D/12	11-SEPT	B GOOD	GR.-BR.	
94YTS361	CONTOURS AT 3700 FT 0-S	95D/5	SEPT 15/94	B GOOD	LT. BR.	
94YTS362	100-S	95D/5	SEPT 15/94	B GOOD	LT. BR.	
94YTS363	200-S	95D/5	SEPT 15/94	B GOOD	LT. BR.	
94YTS364	300-s	95D/5	SEPT 15/94	B GOOD	LT. BR.	
94YTS365	400-s	95D/5	SEPT 15/94	B GOOD	BR.	
94YTS366	500-s CRKXING AT 540-S	95D/5	SEPT 15/94	B GOOD	DRK BR.	
94YTS367	600-S	95D/5	SEPT 15/94	B GOOD	BR.	
94YTS368	CLAIM LINE AT 700-S	95D/5	SEPT 15/94	B GOOD	LT. BR.	
94YTS369	800-s	95D/5	SEPT 15/94	B GOOD	LT. BR.	
94YTS370	900-s	95D/5	SEPT 15/94	B GOOD	BR.	
94YTS371	CRKXING AT 1030-S	95D/5	SEPT 15/94	B GOOD	BR.	
94YTS372	1100-s	95D/5	SEPT 15/94	B GOOD	BR.	
94YTSO10		95D/5	31-Jul	B GOOD	3 LT.BR. GRAY	3700 FT 200-S
94YTSO13		95D/5	31-Jul	B GOOD	6 LT. BROWN	3700 FT 500-S
94YTSO14		95D/5	31-Jul	B GOOD	5 LT. BROWN GREY	3700 FT 600-S

## WESTMIN RESOURCES LIMITED

## HYLAND PROJECT

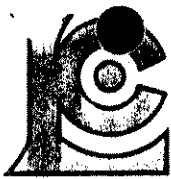
SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION				
94YTSO15	claim line at 638 meters S of ori	95D15	31-Jul	B	POOR	10	LT. BROWN	3700 FT 700-S
94YTSO16		95D15	31-Jul	B	FAIR	15	LT. BROWN	3700 FT 800-S
94YTSO17		95D15	31-Jul	B	FAIR-GOOD	5	LT. BROWN	3700 FT 900-S
94YTSO18		95D15	31-Jul	B	GOOD	10	LT. BROWN	3700 FT 1000-S
94YTSO19		95D15	31-Jul	B	GOOD	0	LT. BROWN	3700 FT 1100-S
94YTSO21		95D15	31-Jul	B	GOOD	4	LT BROWN	3700 FT 1300-S
94YTSO22	CLAY - CREEK CROSSING AT	95D15	31-Jul	B	GOOD	2	LT BRWN	3700 FT 1400-S
94YTSO23		95D15	31-Jul	B	GOOD	3	DK BRN	3700 FT 1500-S
94YTSO24		95D15	31-Jul	B	GOOD	2	LT BRN	3700 FT 1800-S
94YTSO25	SANDY	95D15	31-Jul	B	GOOD	2	BRN	3700 FT 1700-S
94YTSO26		95D15	31-Jul	B	GOOD	5	DK BRN	3700 FT 1800-S
94YTSO27		95D15	31-Jul	B	GOOD	10	BRN	3700 FT 1900-S
94YTSO28		95D15	31-Jul	B	FAIR	6	GREY-BROWN	3700 FT 2000-S
94YTSO29		95D15	31-Jul	B	GOOD	5	LT -DK BRN	3700 FT 2100-S
94YTSO30		95D15	31-Jul	B	GOOD	2	DK BRN-BLK	3700 FT 2200-S
94YTSO31	SANDY	95D15	31-Jul	B	GOOD	12	GREY BRN	3700 FT 2300-S
94YTSO32		95D15	31-Jul	B	GOOD	5	MED BRN	3700 FT 2400-S
94YTSO33		95D15	31-Jul	B	FAIR- GOOD	3	LT BRN	3700 FT 2500-S
94YTSO34	CLAIM LINE AT 2656 SOUTH V	95D15	31-Jul	B	GOOD	6	GREY -BLACK	3700 FT 2600-S
94YTSO35		95D15	01-Aug	B	GOOD	10	LT GREY BRN	3700 FT 2700-S
94YTSO36		95D15	01-Aug	B	GOOD	15	GRY BRN	3700 FT 2800-S
94YTSO37	SANDY	95D15	01-Aug	B	POOR	15	LT BRN BLK	3700 FT 2900-S
94YTSO38		95D15	01-Aug	B	GOOD	10	GRY BRN	3700 FT 3000-S
94YTSO39		95D15	01-Aug	B	GOOD	10	GRY BRN	3700 FT 3100-S
94YTSO40		95D15	01-Aug	B	GOOD	10	GRY BRN	3700 FT 3200-S
94YTSO41		95D15	01-Aug	B	GOOD	2	GRY BRN	3700 FT 3300-S
94YTSO42	SANDY	95D15	01-Aug	B	POOR	30	GRY BRN	3700 FT 3400-S
94YTSO43	CREEK CROSSING AT 3440S	95D15	01-Aug	B	GOOD	20	GRY BRN	3700 FT 3500-S
94YTSO44		95D15	01-Aug	B	GOOD	30	GRY BRN	3700 FT 3600-S
94YTSO45	NO SAMPLE	95D15	01-Aug	B	GOOD	20	GRY BRN	3700 FT 3700-S
94YTSO46		95D15	01-Aug	B	GOOD	30	GRY BRN	3700 FT 3800-S
94YTSO47		95D15	01-Aug	B	GOOD	30	GRY	3700 FT 3900-S
94YTSO48	CREEK CROSSING AT 3880 S	95D15	01-Aug	B	GOOD	20	LT BRN	3700 FT 4000-S
94YTSO49		95D15	01-Aug	B	FAIR - GOOD	10	LT BRN	3700 FT 4100-S
94YTSO50	SAMPLE TAKEN IN BOGGY A	95D15	01-Aug	B	GOOD	10	LT BRN	3700 FT 4200-S
94YTSO51		95D15	01-Aug	B	FAIR - GOOD	10	TAN	3700 FT 4300-S
94YTSO52	CLAY AND GRAVEL	95D15	01-Aug	B	GOOD	10	LT BRN	3700 FT 4400-S
94YTSO53		95D15	01-Aug	B	GOOD	15	LT BRN	3700 FT 4500-S
94YTSO54		95D15	01-Aug	B	GOOD	15	GRY BRN	3700 FT 4600-S
94YTSO55		95D15	01-Aug	B	GOOD	10	LT BRN	3700 FT 4700-S
94YTSO56		95D15	01-Aug	B	GOOD	15	TAN-CLAY	3700 FT 4800-S
94YTSO57		95D15	01-Aug	B	FAIR-GOOD	5	TAN-CLAY	3700 FT 4900-S
94YTSO58		95D15	01-Aug	B	FAIR-GOOD	5	TAN-CLAY	3700 FT 5000-S
94YTSO59		95D15	01-Aug	B	FAIR-GOOD	10	TAN-CLAY	3700 FT 5100-S

## WESTMIN RESOURCES LIMITED

## HYLAND PROJECT

SAMPLE ID	NOTES	NTS	DATE	SOIL INFORMATION			
94YTS080		95D/5	01-Aug				3700 FT 5200-S
94YTS081		95D/5	02-Aug	B	GOOD	5	BR. GRY.
94YTS082		95D/5	02-Aug	B	GOOD	15	BR. GRY.
94YTS083		95D/5	02-Aug	B	GOOD	10	BR.
94YTS084		95D/5	02-Aug	B	GOOD	0	BR.
94YTS085		95D/5	02-Aug	B	GOOD	10	GRY.
94YTS086		95D/5	02-Aug	B	GOOD	2	GRY. BR.
94YTS087		95D/5	02-Aug	B	GOOD	10	BR.
94YTS088		95D/5	02-Aug	B	GOOD	10	BR. GRY.
94YTS089		95D/5	02-Aug	B	GOOD	2	BR. DRK. BR.
94YTS070		95D/5	02-Aug	B	GOOD	2	BR.
94YTS071		95D/5	02-Aug	B	GOOD	2	BR.
94YTS072		95D/5	02-Aug	B	GOOD	2	LT. BR.
94YTS073	O/C GREY SHALE STRIKE 0 D	95D/5	02-Aug	B	GOOD	5	BR. GRY.
94YTS074		95D/5	02-Aug	B	GOOD	10	BR. GRY.
94YTS075		95D/5	02-Aug	B	GOOD	5	BR. GRY.
94YTS076		95D/5	02-Aug	B	GOOD	5	BR. GRY.
94YTS077		95D/5	02-Aug	B	GOOD	0	BR.
94YTS078		95D/5	02-Aug	B	GOOD	2	GRY. BR.
94YTS079		95D/5	02-Aug	B	GOOD	0	LT. BR.
94YTS080		95D/5	02-Aug	B	GOOD	2	GRY. BR.
94YTS081		95D/5	02-Aug	B	GOOD	2	GRY. BR.
94YTS082		95D/5	02-Aug	B	GOOD	5	GRY. BR.
94YTS083		95D/5	02-Aug	B	GOOD	10	GRY. BR.
94YTS084		95D/5	02-Aug	B	GOOD	0	LT. BR.
94YTS085		95D/5	02-Aug	B	GOOD	2	GRY.
94YTS086		95D/5	02-Aug	B	GOOD	5	BR.
94YTS087		95D/5	02-Aug	B	GOOD	5	GRY.
94YTS088		95D/5	02-Aug	B	GOOD	0	BR.
94YTS089		95D/5	02-Aug	B	GOOD	5	GRY.
94YTS090		95D/5	02-Aug	B	GOOD	5	GRY.
94YTS091		95D/5	02-Aug	B	GOOD	10	GRY.
94YTS092		95D/5	02-Aug	B	GOOD	10	GRY.
94YTS093		95D/5	02-Aug	B	FAIR-GOOD	10	GRY.
94YTS094	SANDY	95D/5	02-Aug	B	FAIR	0	BR.
94YTS095		95D/5	02-Aug	B	GOOD	10	GRY.
94YTS096	CRK. CROSSING AT 3550-W	95D/5	02-Aug	B	FAIR-GOOD	3	GRY.
94YTS097		95D/5	02-Aug	B	FAIR-GOOD	0	LT. BR.
94YTS098		95D/5	02-Aug	B	GOOD	3	GRY.
94YTS099	O/C AT 3835-W	95D/5	02-Aug	B	GOOD	3	GRY.
94YTS008	3600 FT	95D/5	31-Jul	B	GOOD	5	BROWN GREY
94YTS009		95D/5	31-Jul	B	GOOD	4	BLACK GREY
95BDS076	200M EAST.	95D/5	AUG 3	A/B	FAIR	20	LIGHT BROWN

**APPENDIX E**  
**ANALYTICAL RESULTS**



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
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 PHONE: 604-984-0221

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 P.O. Box 49066, The Bentall Centre  
 VANCOUVER, BC  
 V7X 1C4

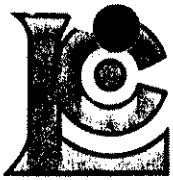
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 Certificate Date: 07-AUG-94  
 Invoice No. : 19421617  
 P.O. Number :  
 Account : GP

Project : HYLAND  
 Comments: ATTN: TERRY TUCKER

## CERTIFICATE OF ANALYSIS A9421617

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm	Te ppm			
94DHR 1	205 226	< 5	< 0.5	2	11	0.97	55	< 1	6	2	6	0.1			
94DHR 002	205 226	< 5	< 0.5	13	14	3.03	210	< 1	32	< 2	14	< 0.1			
94DPR 004	205 226	< 5	< 0.5	3	1	2.77	950	2	10	< 2	18	< 0.1			
94DPR 005	205 226	< 5	< 0.5	5	7	1.55	430	1	10	4	42	< 0.1			
94DPR 006	205 226	< 5	< 0.5	2	24	1.48	290	2	16	12	22	< 0.1			
94DPR 008	205 226	< 5	< 0.5	1	6	1.61	165	1	4	12	8	< 0.1			
94DPR 009	205 226	< 5	< 0.5	2	1	4.66	820	< 1	5	< 2	38	< 0.1			
94DPR 011	205 226	< 5	< 0.5	2	11	1.04	335	< 1	8	10	18	< 0.1			
94DPR 044	205 226	< 5	< 0.5	2	6	0.67	125	2	6	4	36	< 0.1			
94ERR 001	205 226	< 5	< 0.5	7	13	1.54	270	< 1	17	8	44	< 0.1			
94VPR 001	205 226	< 5	< 0.5	3	10	1.18	325	1	11	8	30	< 0.1			
94VPR 005	205 226	< 5	< 0.5	3	1	3.53	15	< 1	8	< 2	2	< 0.1			
94VPR 007	205 226	< 5	< 0.5	12	2	1.81	980	< 1	12	6	26	< 0.1			
94VPR 008	205 226	< 5	< 0.5	2	7	1.61	85	1	9	16	20	< 0.1			
94VPR 009	205 226	< 5	< 0.5	16	36	5.13	195	1	33	30	94	< 0.1			
94VPR 010	205 226	< 5	< 0.5	4	14	0.92	295	< 1	14	2	20	< 0.1			
94VPR 011	205 226	< 5	< 0.5	3	5	1.05	95	< 1	9	8	20	< 0.1			
94TTR 000	205 226	< 5	< 0.5	1	< 1	0.88	275	< 1	3	2	10	< 0.1			
94TTR 001	205 226	< 5	< 0.5	12	4	2.43	380	1	18	2	8	< 0.1			
94TTR 002	205 226	< 5	< 0.5	1	84	10.35	75	2	7	4	30	< 0.1			
94TTR 003	205 226	< 5	< 0.5	7	4	1.63	80	1	15	2	22	< 0.1			
94TTR 004	205 226	< 5	< 0.5	24	11	1.82	445	1	29	6	62	< 0.1			
94TTR 005	205 226	< 5	< 0.5	3	18	2.49	80	< 1	9	6	20	< 0.1			
94TTR 006	205 226	< 5	< 0.5	4	48	1.12	555	< 1	10	< 2	16	< 0.1			
94TTR 007	205 226	< 5	< 0.5	< 1	10	0.09	220	< 1	10	< 2	144	< 0.1			
94TTR 008	205 226	< 5	< 0.5	1	6	0.53	115	1	4	< 2	4	< 0.1			
94TTR 009	205 226	< 5	< 0.5	2	6	0.39	50	< 1	3	10	12	< 0.1			
94TTR 010	205 226	< 5	< 0.5	1	6	0.18	15	1	11	2	4	< 0.1			
94TTR 011	205 226	< 5	< 0.5	2	6	1.59	210	1	8	6	22	< 0.1			

CERTIFICATION: Hart Buchler



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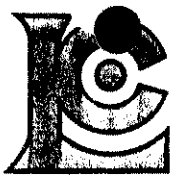
## CERTIFICATE OF ANALYSIS

### A9421616

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94AHV 001	254 229	< 5	< 0.2	22	< 2	32	< 1	1	24	4	102	< 0.1			
94AHV 002	254 229	< 5	< 0.2	28	< 2	38	< 1	2	42	4	146	< 0.1			
94AHV 003	254 229	< 5	< 0.2	60	2	74	< 1	8	60	8	216	not/ss			
94AHV 004	254 229	30	< 0.2	28	< 2	38	< 1	3	28	4	170	< 0.1			
94BDV 001	254 229	20	< 0.2	58	< 2	31	< 1	1	16	4	70	< 0.1			
94BDV 002	254 229	20	< 0.2	16	< 2	30	< 1	1	22	2	108	< 0.1			
94BDV 003	254 229	< 5	< 0.2	38	< 2	37	< 1	2	24	6	100	< 0.1			
94BDV 004	254 229	75	< 0.2	16	< 2	28	< 1	1	10	4	90	< 0.1			
94BDV 005	254 229	< 5	< 0.2	6	< 2	19	< 1	1	12	4	72	< 0.1			
94BDV 006	254 229	10	< 0.2	16	< 2	30	< 1	1	20	4	98	< 0.1			
94BDV 007	254 229	285	< 0.2	22	2	28	< 1	2	20	< 2	100	< 0.1			
94BDV 008	254 229	30	< 0.2	36	< 2	29	< 1	2	32	4	104	< 0.1			
94DHV 001	254 229	< 5	< 0.2	40	< 2	41	< 1	3	30	8	180	< 0.1			
94DHV 002	254 229	< 5	< 0.2	12	< 2	37	< 1	1	24	6	114	< 0.1			
94DHV 003	254 229	< 5	< 0.2	20	< 2	36	< 1	3	34	4	100	< 0.1			
94DHV 004	254 229	< 5	< 0.2	32	< 2	34	< 1	1	20	4	86	< 0.1			
94DHV 005	254 229	< 5	< 0.2	20	< 2	37	< 1	2	30	2	98	< 0.1			
94DHV 006	254 229	300	< 0.2	8	< 2	37	1	2	30	2	92	< 0.1			
94DHV 007	254 229	not/ss	< 0.2	4	< 2	42	< 1	7	48	2	92	< 0.1			
94DHV 008	254 229	< 5	< 0.2	20	< 2	46	< 1	3	28	8	100	< 0.1			
94DHV 009	254 229	< 5	< 0.2	8	< 2	52	< 1	6	40	2	96	< 0.1			
94DHV 010	254 229	< 5	< 0.2	16	4	50	< 1	6	34	4	104	< 0.1			
94DHV 011	254 229	< 5	0.2	26	< 2	43	< 1	2	34	6	124	< 0.1			
94DHV 012	254 229	< 5	1.6	32	< 2	74	< 1	2	36	2	134	< 0.1			
94DHV 013	254 229	< 5	0.2	22	< 2	40	< 1	2	34	6	116	< 0.1			
94DHV 014	254 229	< 5	< 0.2	26	< 2	38	< 1	2	34	4	108	< 0.1			
94DHV 015	254 229	< 5	0.2	18	< 2	34	< 1	2	34	2	154	< 0.1			
94DHV 016	254 229	< 5	0.6	2	< 2	42	< 1	1	22	2	104	< 0.1			
94DHV 017	254 229	< 5	1.2	14	< 2	46	< 1	1	26	2	92	< 0.1			
94DHV 018	254 229	< 5	0.6	26	< 2	48	< 1	2	44	4	150	< 0.1			
94DHV 019	254 229	< 5	< 0.2	12	< 2	47	< 1	3	52	4	120	< 0.1			
94DHV 020	254 229	< 5	< 0.2	22	< 2	49	< 1	2	38	4	108	< 0.1			
94DHV 021	254 229	< 5	< 0.2	22	< 2	42	< 1	1	42	2	122	< 0.1			
94DHV 022	254 229	< 5	< 0.2	50	< 2	59	< 1	7	46	4	122	< 0.1			
94DHV 023	254 229	< 5	< 0.2	8	< 2	49	< 1	3	40	6	132	< 0.1			
94DHV 024	254 229	< 5	< 0.2	8	< 2	59	< 1	5	50	6	132	< 0.1			
94DHV 025	254 229	< 5	< 0.2	14	< 2	41	< 1	4	50	4	124	< 0.1			
94DHV 026	254 229	< 5	< 0.2	2	< 2	48	< 1	6	38	4	112	< 0.1			
94DHV 027	254 229	< 5	< 0.2	4	< 2	54	1	6	44	4	116	< 0.1			
94DHV 028	254 229	< 5	< 0.2	2	< 2	62	< 1	4	42	2	290	< 0.1			

CERTIFICATION:

*Hart Buchler*



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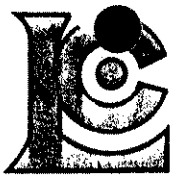
## CERTIFICATE OF ANALYSIS

### A9421616

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94DHV 029	254 229	< 5	< 0.2	6	< 2	43	< 1	6	34	4	174	< 0.1			
94DHV 030	254 229	< 5	< 0.2	4	< 2	24	< 1	< 1	10	2	56	< 0.1			
94DHV 031	254 229	< 5	< 0.2	20	< 2	24	< 1	1	14	4	84	< 0.1			
94DHV 032	254 229	< 5	< 0.2	24	< 2	26	< 1	2	20	4	120	< 0.1			
94DHV 033	254 229	< 5	< 0.2	20	< 2	22	< 1	2	16	2	74	< 0.1			
94DHV 034	254 229	< 5	< 0.2	8	< 2	25	1	< 1	20	4	80	< 0.1			
94DHV 035	254 229	< 5	< 0.2	30	< 2	30	2	1	8	4	66	< 0.1			
94DHV 036	254 229	< 5	< 0.2	18	< 2	34	< 1	1	10	6	66	< 0.1			
94DHV 037	254 229	< 5	< 0.2	100	< 2	42	< 1	< 1	18	2	50	< 0.1			
94DPV 001	254 229	< 5	< 0.2	14	2	35	< 1	1	22	6	94	< 0.1			
94DPV 002	254 229	< 5	< 0.2	26	< 2	35	< 1	2	26	4	100	< 0.1			
94DPV 003	254 229	< 5	< 0.2	10	< 2	27	< 1	1	20	4	102	< 0.1			
94DPV 007	254 229	15	0.2	26	< 2	33	< 1	2	18	2	114	< 0.1			
94DPV 010	254 229	< 5	< 0.2	14	< 2	33	< 1	3	18	4	114	< 0.1			
94DPV 012	254 229	< 5	< 0.2	8	< 2	21	< 1	2	14	6	136	< 0.1			
94DPV 013	254 229	< 5	< 0.2	16	2	36	< 1	2	24	4	102	< 0.1			
94DPV 014	254 229	20	< 0.2	20	< 2	38	< 1	1	32	4	102	< 0.1			
94DPV 015	254 229	< 5	< 0.2	24	< 2	35	< 1	1	22	4	96	< 0.1			
94DPV 016	254 229	< 5	< 0.2	14	< 2	32	< 1	< 1	18	4	78	< 0.1			
94DPV 017	254 229	< 5	< 0.2	16	< 2	34	< 1	1	24	2	94	< 0.1			
94DPV 018	254 229	< 5	< 0.2	18	< 2	38	< 1	2	24	4	110	< 0.1			
94DPV 019	254 229	< 5	< 0.2	14	2	39	< 1	1	28	4	118	< 0.1			
94DPV 020	254 229	< 5	< 0.2	20	< 2	34	< 1	2	22	4	102	< 0.1			
94DPV 021	254 229	< 5	< 0.2	20	< 2	35	< 1	2	26	4	100	< 0.1			
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94DPV 026	254 229	< 5	< 0.2	16	2	37	< 1	2	30	4	112	< 0.1			
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94DPV 028	254 229	< 5	0.2	4	< 2	33	< 1	2	26	4	118	< 0.1			
94DPV 029	254 229	< 5	0.2	4	< 2	27	1	1	16	4	74	< 0.1			
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94DPV 031	254 229	< 5	< 0.2	8	< 2	34	< 1	2	32	4	102	< 0.1			
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94DPV 033	254 229	< 5	< 0.2	2	< 2	31	< 1	2	20	4	116	< 0.1			
94DPV 034	254 229	< 5	< 0.2	10	< 2	28	< 1	3	24	6	160	< 0.1			
94DPV 035	254 229	< 5	< 0.2	2	< 2	27	< 1	1	18	6	118	< 0.1			
94DPV 036	254 229	< 5	< 0.2	22	< 2	32	< 1	3	22	6	154	< 0.1			
94DPV 037	254 229	10	< 0.2	12	< 2	36	< 1	2	18	4	110	< 0.1			

CERTIFICATION:

*Hart Beckler*



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Project : HYLAND  
 Comments: ATTN: TERRY TUCKER

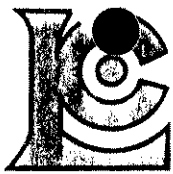
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 Invoice No. : I9421616  
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 Account : GP

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94DPV 038	254 229	< 5	< 0.2	18	< 2	36	< 1	2	24	2	126	< 0.1			
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94DPV 040	254 229	< 5	< 0.2	14	< 2	27	< 1	3	24	4	208	< 0.1			
94DPV 041	254 229	< 5	< 0.2	10	< 2	26	< 1	4	16	2	162	< 0.1			
94DPV 042	254 229	< 5	0.2	4	< 2	36	< 1	3	22	4	194	< 0.1			
94DPV 043	254 229	< 5	0.2	8	< 2	27	< 1	3	16	6	144	< 0.1			
94DPV 045	254 229	< 5	0.4	12	< 2	36	< 1	2	18	4	160	< 0.1			
94ERV 001	254 229	< 5	0.2	6	< 2	34	< 1	2	26	2	120	< 0.1			
94ERV 002	254 229	< 5	< 0.2	< 2	< 2	32	< 1	2	24	6	92	< 0.1			
94ERV 003	254 229	< 5	< 0.2	6	< 2	30	< 1	1	22	2	92	< 0.1			
94ERV 004	254 229	< 5	< 0.2	6	< 2	29	< 1	1	24	4	86	< 0.1			
94ERV 005	254 229	< 5	< 0.2	8	< 2	35	< 1	2	30	< 2	128	< 0.1			
94ERV 006	254 229	< 5	< 0.2	8	< 2	33	< 1	2	26	< 2	124	< 0.1			
94ERV 007	254 229	< 5	< 0.2	6	< 2	39	< 1	2	26	4	140	< 0.1			
94ERV 008	254 229	< 5	< 0.2	22	< 2	38	< 1	2	32	6	126	< 0.1			
94ERV 009	254 229	< 5	< 0.2	14	< 2	36	< 1	4	32	4	118	< 0.1			
94ERV 010	254 229	< 5	0.2	24	< 2	42	< 1	1	30	4	122	< 0.1			
94ERV 011	254 229	< 5	< 0.2	12	< 2	32	< 1	1	24	2	112	< 0.1			
94ERV 012	254 229	5	< 0.2	18	< 2	37	< 1	1	28	4	102	< 0.1			
94ERV 013	254 229	15	< 0.2	28	< 2	36	< 1	1	22	6	76	< 0.1			
94ERV 014	254 229	< 5	< 0.2	18	< 2	30	< 1	1	18	6	110	< 0.1			
94ERV 015	254 229	< 5	< 0.2	26	< 2	29	< 1	< 1	4	4	54	< 0.1			
94ERV 016	254 229	< 5	< 0.2	30	< 2	26	< 1	1	14	4	48	< 0.1			
94ERV 017	254 229	< 5	< 0.2	34	< 2	25	< 1	< 1	6	4	52	< 0.1			
94ERV 018	254 229	< 5	< 0.2	70	< 2	40	< 1	< 1	10	2	84	< 0.1			
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94TTS 002	254 229	< 5	0.6	14	< 2	32	< 1	1	26	2	54	< 0.1			
94TTS 003	254 229	< 5	< 0.2	< 2	< 2	32	< 1	2	22	2	72	< 0.1			
94TTS 004	254 229	< 5	< 0.2	< 2	< 2	28	< 1	2	24	2	80	< 0.1			
94TTS 005	254 229	< 5	< 0.2	14	< 2	24	1	1	20	4	68	< 0.1			
94TTS 006	254 229	< 5	< 0.2	10	< 2	22	< 1	1	20	4	68	< 0.1			
94TTS 007	254 229	< 5	< 0.2	4	< 2	30	< 1	1	24	2	80	< 0.1			
94TTS 008	254 229	< 5	< 0.2	2	< 2	34	< 1	2	32	4	88	< 0.1			
94TTS 009	254 229	< 5	< 0.2	28	< 2	49	< 1	2	26	6	72	< 0.1			
94TTS 010	254 229	< 5	< 0.2	14	< 2	37	< 1	2	22	6	78	< 0.1			
94TTS 011	254 229	< 5	< 0.2	12	< 2	27	< 1	2	16	2	84	< 0.1			
94TTS 012	254 229	< 5	< 0.2	6	< 2	28	< 1	< 1	16	4	66	< 0.1			
94TTS 013	254 229	15	< 0.2	270	4	44	< 1	2	14	2	74	< 0.1			
94TTS 014	254 229	5	< 0.2	102	4	30	< 1	2	6	4	54	< 0.1			
94TTS 015	254 229	< 5	< 0.2	384	< 2	85	< 1	1	12	20	44	< 0.1			

CERTIFICATION:

*Hart Buchler*



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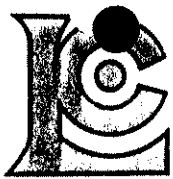
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Page No. : 4  
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 Certificate Date: 08-AUG-94  
 Invoice No. : 19421616  
 P.O. Number :  
 Account : GP

## CERTIFICATE OF ANALYSIS A9421616

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94VPV 001✓	254 229	< 5	< 0.2	16	< 2	34	< 1	1	20	4	88	< 0.1			
94VPV 002✓	254 229	< 5	< 0.2	32	< 2	36	< 1	2	28	6	130	0.1			
94VPV 003✓	254 229	< 5	< 0.2	22	< 2	35	< 1	3	26	4	124	< 0.1			
94VPV 004✓	254 229	< 5	< 0.2	20	< 2	36	< 1	1	30	4	128	< 0.1			
94VPV 005✓	254 229	< 5	< 0.2	42	< 2	38	< 1	2	28	4	148	< 0.1			
94VPV 006✓	254 229	< 5	< 0.2	34	< 2	38	< 1	2	32	6	136	< 0.1			
94VPV 012	254 229	< 5	< 0.2	22	< 2	20	< 1	1	18	2	76	< 0.1			
94VPV 013	254 229	< 5	< 0.2	24	< 2	20	< 1	1	12	2	66	< 0.1			
94VPV 014	254 229	< 5	< 0.2	36	< 2	20	< 1	1	12	2	68	< 0.1			
94VPV 015	254 229	< 5	< 0.2	8	2	21	< 1	1	6	2	50	< 0.1			
94VPV 016	254 229	< 5	< 0.2	26	< 2	23	1	1	16	2	64	< 0.1			
94VPV 017	254 229	< 5	< 0.2	64	< 2	24	< 1	1	18	2	72	< 0.1			
94VPV 018	254 229	< 5	< 0.2	150	< 2	21	< 1	1	14	2	62	< 0.1			
94VPV 019	254 229	< 5	< 0.2	60	< 2	21	< 1	< 1	6	2	58	< 0.1			
94VPV 020	254 229	< 5	< 0.2	38	< 2	16	< 1	< 1	10	< 2	50	< 0.1			
94VPV 021	254 229	< 5	< 0.2	60	< 2	25	2	1	14	4	60	< 0.1			
94VPV 022	254 229	< 5	< 0.2	52	< 2	21	< 1	1	8	4	60	< 0.1			
94VPV 023	254 229	< 5	< 0.2	102	< 2	24	< 1	< 1	12	4	52	< 0.1			
94YTS 001	254 229	< 5	< 0.2	6	< 2	37	< 1	1	20	4	58	< 0.1			
94YTS 002	254 229	< 5	< 0.2	6	< 2	32	< 1	1	14	< 2	86	< 0.1			
94YTS 003	254 229	< 5	< 0.2	144	< 2	16	< 1	1	10	2	48	< 0.1			
94YTV 001✓	254 229	< 5	< 0.2	28	< 2	38	< 1	2	32	6	116	< 0.1			
94YTV 002✓	254 229	5	< 0.2	18	< 2	31	< 1	1	24	8	130	< 0.1			
94YTV 003✓	254 229	< 5	< 0.2	20	< 2	41	< 1	3	28	4	142	< 0.1			
94YTV 004✓	254 229	< 5	< 0.2	18	< 2	39	< 1	2	28	6	134	< 0.1			
94YTV 005✓	254 229	< 5	< 0.2	20	< 2	34	< 1	2	28	6	136	< 0.1			
94YTV 006✓	254 229	< 5	< 0.2	24	< 2	28	< 1	2	26	6	122	< 0.1			
94YTV 007✓	254 229	< 5	< 0.2	30	2	28	< 1	2	20	4	118	< 0.1			
94YTV 008✓	254 229	< 5	< 0.2	28	< 2	33	< 1	3	32	4	114	< 0.1			
94YTV 009✓	254 229	< 5	< 0.2	22	< 2	38	< 1	3	28	6	128	0.1			
94YTV 010✓	254 229	< 5	< 0.2	20	< 2	38	< 1	3	30	6	144	< 0.1			
94YTV 011✓	254 229	< 5	< 0.2	22	< 2	44	< 1	2	36	4	140	0.1			
94YTV 012✓	254 229	< 5	0.2	6	2	66	< 1	2	36	4	154	< 0.1			
94YTV 013✓	254 229	< 5	< 0.2	8	< 2	47	< 1	2	42	4	128	< 0.1			
94YTV 014✓	254 229	< 5	< 0.2	14	< 2	34	< 1	1	28	2	88	< 0.1			
94YTV 015	254 229	< 5	2.4	114	< 2	124	< 1	2	80	4	292	< 0.1			
94YTV 016	254 229	< 5	0.6	56	< 2	85	1	9	32	6	332	0.1			
94YTV 017	254 229	< 5	0.2	16	< 2	37	< 1	2	22	4	150	< 0.1			
94YTV 018	254 229	< 5	0.6	32	2	60	< 1	8	28	4	310	< 0.1			
94YTV 019	254 229	< 5	0.4	22	< 2	49	< 1	4	26	4	194	< 0.1			

CERTIFICATION: Hank Buchler



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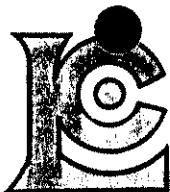
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## CERTIFICATE OF ANALYSIS

### A9421616

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94YTV 020	254 229	< 5	0.2	22	< 2	33	< 1	2	24	4	148	< 0.1			
94YTV 021	254 229	< 5	0.2	16	< 2	36	< 1	1	26	2	156	< 0.1			
94YTV 022	254 229	< 5	< 0.2	24	< 2	38	< 1	2	30	4	122	< 0.1			
94YTV 023	254 229	< 5	0.4	26	< 2	48	< 1	1	30	4	116	< 0.1			
94YTV 024	254 229	< 5	1.4	12	< 2	52	< 1	1	34	6	154	< 0.1			
94YTV 025	254 229	< 5	0.2	14	< 2	36	< 1	2	36	6	118	< 0.1			

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Project: HYLAND  
Comments: ATTN: TERRY TUCKER CC: HARLAN MEADE

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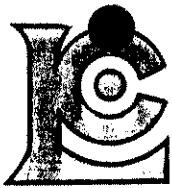
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### A9422230

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94TTS-015	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
94TTS-016	254	202	< 5	< 0.2	22	< 2	14	< 1	< 1	20	4	68	< 0.1			
94TTS-017	254	202	< 5	< 0.2	22	< 2	23	< 1	1	12	2	70	< 0.1			
94TTS-018	254	202	< 5	< 0.2	14	< 2	20	< 1	< 1	14	6	60	< 0.1			
94TTS-019	254	202	< 5	< 0.2	130	< 2	19	< 1	< 1	4	12	56	< 0.1			
94TTS-020	254	202	< 5	< 0.2	30	< 2	23	< 1	1	6	4	50	< 0.1			
94TTS-021	254	202	< 5	< 0.2	12	< 2	13	< 1	< 1	20	< 2	104	< 0.1			
94TTS-022	254	202	< 5	< 0.2	42	< 2	45	< 1	< 1	6	< 2	62	< 0.1			
94TTS-023	254	202	< 5	< 0.2	20	< 2	33	< 1	1	20	< 2	88	0.1			
94TTS-024	254	202	< 5	< 0.2	4	< 2	17	< 1	1	10	6	64	< 0.1			
94YTS-004	254	202	< 5	< 0.2	32	< 2	30	< 1	< 1	26	6	106	< 0.1			
94YTS-005	254	202	< 5	< 0.2	2	< 2	4	< 1	< 1	2	4	30	< 0.1			
94YTS-006	254	202	< 5	< 0.2	20	< 2	13	< 1	< 1	14	6	68	< 0.1			
94YTS-007	254	202	< 5	< 0.2	56	< 2	35	< 1	1	14	< 2	62	< 0.1			
94DPS-046	254	202	< 5	0.2	122	4	29	< 1	< 1	220	12	164	0.2			
94DPS-073	254	202	< 5	< 0.2	< 2	< 2	14	< 1	< 1	16	22	160	< 0.1			

CERTIFICATION:

*Hart Buchler*



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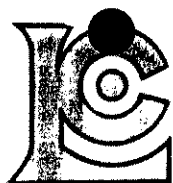
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## CERTIFICATE OF ANALYSIS A9422246

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94AHV-005	254 202	< 5	0.2	16	< 2	24	< 1	< 1	8	< 2	64	< 0.1			
94AHV-006	254 202	< 5	< 0.2	8	< 2	22	< 1	< 1	10	< 2	54	< 0.1			
94AHV-007	254 202	< 5	< 0.2	64	< 2	16	< 1	< 1	12	< 2	96	< 0.1			
94AHV-008	254 202	< 5	0.2	30	< 2	18	< 1	< 1	6	< 2	56	< 0.1			
94AHV-009	254 202	< 5	0.4	2	< 2	12	< 1	< 1	6	< 2	46	< 0.1			
94AHV-010	254 202	< 5	0.2	32	< 2	16	< 1	< 1	12	< 2	92	< 0.1			
94AHV-011	254 202	< 5	0.2	14	< 2	34	< 1	< 1	22	< 2	120	< 0.1			
94AHV-012	254 202	< 5	0.2	20	< 2	28	< 1	1	22	< 2	98	< 0.1			
94AHV-013	254 202	< 5	0.2	14	< 2	38	< 1	< 1	20	< 2	96	< 0.1			
94AHV-014	254 202	< 5	0.2	16	< 2	30	< 1	< 1	20	< 2	96	0.1			
94AHV-015	254 202	< 5	0.2	16	< 2	32	< 1	1	16	< 2	122	< 0.1			
94DHV-038	254 202	< 5	0.2	14	< 2	22	< 1	< 1	8	< 2	70	< 0.1			
94DHV-039	254 202	< 5	0.2	14	< 2	20	< 1	< 1	8	< 2	78	< 0.1			
94DHV-040	254 202	< 5	0.2	18	< 2	18	< 1	1	8	< 2	78	< 0.1			
94DHV-041	254 202	< 5	0.2	12	< 2	20	< 1	< 1	12	< 2	76	< 0.1			
94DHV-042	254 202	< 5	0.2	12	< 2	27	< 1	< 1	8	< 2	92	< 0.1			
94DHV-043	254 202	35	0.2	16	< 2	34	1	6	16	2	310	< 0.1			
94DHV-044	254 202	< 5	0.2	34	< 2	37	< 1	13	20	2	594	< 0.1			
94DHV-045	254 202	< 5	0.2	4	< 2	32	< 1	3	12	< 2	174	< 0.1			
94DHV-046	254 202	< 5	0.2	4	< 2	25	< 1	1	8	< 2	110	< 0.1			
94DHV-047	254 202	< 5	0.4	14	< 2	43	< 1	17	16	< 2	916	< 0.1			
94DHV-048	254 202	< 5	0.4	26	< 2	58	< 1	6	12	4	898	< 0.1			
94DHV-049	254 202	< 5	0.4	24	< 2	40	< 1	13	22	2	730	< 0.1			
94DHV-050	254 202	< 5	0.4	34	< 2	45	< 1	9	20	2	794	< 0.1			
94DHV-051	254 202	10	0.2	4	< 2	17	< 1	2	16	< 2	98	< 0.1			
94DHV-052	254 202	< 5	0.8	2	< 2	24	< 1	5	16	< 2	142	< 0.1			
94DHV-053	254 202	< 5	0.2	6	< 2	26	< 1	2	18	< 2	124	< 0.1			
94DHV-054	254 202	< 5	< 0.2	6	< 2	27	< 1	1	16	< 2	108	< 0.1			
94DHV-055	254 202	< 5	0.4	2	< 2	25	< 1	< 1	18	< 2	96	< 0.1			
94DHV-056	254 202	< 5	0.2	2	< 2	22	< 1	1	16	< 2	106	< 0.1			
94DHV-057	254 202	< 5	0.2	< 2	< 2	21	< 1	< 1	24	< 2	94	< 0.1			
94DHV-058	254 202	< 5	0.2	< 2	< 2	26	< 1	< 1	22	< 2	82	< 0.1			
94DHV-059	254 202	< 5	< 0.2	8	< 2	28	< 1	1	26	< 2	104	< 0.1			
94DHV-060	254 202	< 5	< 0.2	10	< 2	26	< 1	< 1	22	< 2	86	< 0.1			
94DHV-061	254 202	< 5	0.2	< 2	< 2	26	< 1	1	26	< 2	100	< 0.1			
94DHV-062	254 202	30	0.2	4	< 2	24	< 1	< 1	20	< 2	92	< 0.1			
94DHV-063	254 202	< 5	0.2	18	< 2	28	< 1	< 1	28	< 2	108	< 0.1			
94YTV-026	254 202	< 5	0.2	16	< 2	27	< 1	1	26	< 2	106	< 0.1			
94YTV-027	254 202	< 5	0.2	20	< 2	42	< 1	1	48	< 2	130	< 0.1			
94YTV-028	254 202	< 5	0.2	4	< 2	29	< 1	1	18	< 2	106	< 0.1			

CERTIFICATION: Hart Buchler



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PHONE: 604-984-0221

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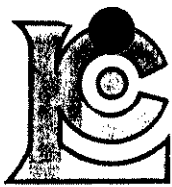
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Certificate Date: 16-AUG-94  
Invoice No. : 19422246  
P.O. Number :  
Account : GP

## CERTIFICATE OF ANALYSIS A9422246

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94YTV-029	254 202	< 5	0.2	6	< 2	25	< 1	1	36	< 2	114	< 0.1			
94YTV-030	254 202	< 5	0.4	14	< 2	43	< 1	1	40	< 2	128	< 0.1			
94YTV-031	254 202	< 5	< 0.2	356	< 2	10	< 1	< 1	< 2	< 2	82	< 0.1			
94YTV-032	254 202	75	0.4	18	< 2	25	< 1	< 1	22	< 2	92	< 0.1			
94VPV-024	254 202	< 5	0.2	< 2	< 2	17	< 1	< 1	10	< 2	84	< 0.1			
94VPV-025	254 202	< 5	0.2	2	< 2	12	< 1	< 1	6	< 2	82	< 0.1			
94VPV-026	254 202	< 5	0.2	4	< 2	16	< 1	< 1	6	< 2	88	< 0.1			
94VPV-027	254 202	< 5	< 0.2	12	< 2	13	< 1	< 1	6	< 2	62	< 0.1			
94VPV-028	254 202	< 5	0.2	26	< 2	16	< 1	< 1	6	< 2	62	< 0.1			
94VPV-029	254 202	< 5	0.4	90	< 2	19	< 1	< 1	8	< 2	66	< 0.1			
94VPV-031	254 202	< 5	0.4	28	< 2	47	< 1	2	70	< 2	144	< 0.1			
94VPV-032	254 202	< 5	0.2	36	< 2	45	< 1	1	64	< 2	148	< 0.1			
94VPV-033	254 202	< 5	< 0.2	2	< 2	16	< 1	< 1	12	< 2	122	< 0.1			
94VPV-034	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
94VPV-035	254 202	30	0.2	4	< 2	24	< 1	< 1	18	< 2	98	< 0.1			
94VPV-036	254 202	< 5	0.2	10	< 2	23	< 1	< 1	14	< 2	88	< 0.1			
94VPV-037	254 202	< 5	< 0.2	22	< 2	22	< 1	< 1	16	< 2	82	< 0.1			
94VPV-038	254 202	< 5	< 0.2	28	< 2	29	< 1	1	20	< 2	108	< 0.1			
94VPV-039	254 202	< 5	0.2	12	< 2	18	< 1	< 1	6	< 2	86	< 0.1			
94VPV-040	254 202	< 5	< 0.2	< 2	< 2	20	< 1	< 1	14	< 2	78	< 0.1			
94VPV-041	254 202	< 5	< 0.2	22	< 2	16	< 1	< 1	14	< 2	96	< 0.1			
94VPV-042	254 202	< 5	< 0.2	36	< 2	21	1	< 1	18	2	92	< 0.1			
94VPV-043	254 202	< 5	< 0.2	44	< 2	24	< 1	< 1	18	< 2	82	< 0.1			
94VPV-044	254 202	< 5	< 0.2	44	< 2	21	< 1	< 1	18	< 2	100	< 0.1			
94VPV-045	254 202	< 5	0.2	42	< 2	28	< 1	1	24	< 2	124	< 0.1			
94VPV-046	254 202	< 5	0.8	2	< 2	41	< 1	< 1	18	< 2	70	< 0.1			
94VPV-047	254 202	< 5	< 0.2	4	< 2	14	< 1	< 1	20	< 2	70	< 0.1			
94VPV-048	254 202	< 5	0.2	2	< 2	18	< 1	1	20	< 2	84	< 0.1			
94VPV-049	254 202	< 5	0.4	12	< 2	17	< 1	1	20	< 2	112	< 0.1			
94VPV-050	254 202	< 5	0.4	< 2	< 2	22	< 1	< 1	22	< 2	86	< 0.1			
94VPV-051	254 202	< 5	0.4	6	2	19	< 1	2	22	< 2	80	< 0.1			
94VPV-052	254 202	< 5	0.2	12	2	24	< 1	< 1	28	< 2	114	< 0.1			
94VPV-053	254 202	< 5	0.2	10	2	19	< 1	2	22	< 2	82	< 0.1			
94VPV-055	254 202	< 5	0.2	22	2	37	< 1	7	16	< 2	1280	< 0.1			
94VPV-056	254 202	< 5	0.6	10	2	39	< 1	2	14	< 2	372	< 0.1			
94VPV-057	254 202	< 5	0.6	26	< 2	44	< 1	5	28	< 2	718	< 0.1			
94VPV-058	254 202	< 5	0.4	4	< 2	27	< 1	1	24	< 2	114	< 0.1			
94VPV-059	254 202	< 5	0.4	14	< 2	40	< 1	3	34	< 2	292	< 0.1			
94VPV-060	254 202	< 5	0.2	34	2	23	< 1	< 1	20	< 2	96	< 0.1			
94VPV-061	254 202	< 5	2.2	1215	< 2	51	< 1	2	1110	130	2320	< 0.1			

CERTIFICATION: Hank Buchler



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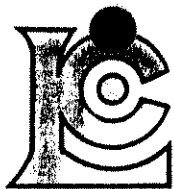
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 Account : GP

Project : HYLAND  
 Comments : ATTN: TERRY TUCKER CC: HARLAN MEADE

## CERTIFICATE OF ANALYSIS A9422246

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94DPV-048	254 202	< 5	< 0.2	10	< 2	20	< 1	< 1	6	< 2	96	< 0.1			
94DPV-049	254 202	< 5	0.2	4	< 2	20	< 1	< 1	10	< 2	110	< 0.1			
94DPV-050	254 202	< 5	0.2	2	< 2	20	< 1	< 1	10	< 2	90	< 0.1			
94DPV-051	254 202	< 5	0.2	14	< 2	18	< 1	< 1	6	< 2	88	< 0.1			
94DPV-052	254 202	< 5	< 0.2	2	< 2	17	< 1	< 1	6	< 2	90	< 0.1			
94DPV-053	254 202	< 5	< 0.2	4	< 2	27	< 1	< 1	4	< 2	102	< 0.1			
94DPV-054	254 202	< 5	< 0.2	4	< 2	18	< 1	< 1	6	< 2	88	< 0.1			
94DPV-055	254 202	< 5	0.6	< 2	< 2	15	< 1	< 1	8	< 2	106	< 0.1			
94DPV-056	254 202	< 5	< 0.2	< 2	< 2	16	< 1	< 1	8	< 2	114	< 0.1			
94DPV-057	254 202	< 5	< 0.2	4	< 2	17	< 1	< 1	12	< 2	140	< 0.1			
94DPV-058	254 202	< 5	< 0.2	14	< 2	26	< 1	< 1	20	< 2	100	< 0.1			
94DPV-059	254 202	< 5	< 0.2	6	< 2	28	< 1	< 1	20	< 2	100	< 0.1			
94DPV-060	254 202	< 5	< 0.2	< 2	< 2	25	< 1	< 1	14	< 2	74	< 0.1			
94DPV-061	254 202	< 5	< 0.2	16	< 2	26	< 1	< 1	18	< 2	98	< 0.1			
94DPV-062	254 202	< 5	< 0.2	14	< 2	27	< 1	< 1	14	< 2	110	< 0.1			
94DPV-063	254 202	< 5	0.4	20	< 2	23	< 1	< 1	8	< 2	70	< 0.1			
94DPV-064	254 202	< 5	< 0.2	14	< 2	21	< 1	< 1	22	< 2	88	< 0.1			
94DPV-065	254 202	< 5	< 0.2	34	< 2	24	< 1	< 1	16	< 2	82	< 0.1			
94DPV-066	254 202	< 5	< 0.2	12	< 2	25	< 1	< 1	22	< 2	114	< 0.1			
94DPV-067	254 202	< 5	< 0.2	20	< 2	19	< 1	< 1	18	< 2	92	< 0.1			
94DPV-068	254 202	< 5	0.2	38	< 2	14	< 1	< 1	12	< 2	60	< 0.1			
94DPV-069	254 202	< 5	0.2	24	< 2	21	< 1	< 1	14	< 2	62	< 0.1			
94DPV-070	254 202	< 5	0.4	20	< 2	19	< 1	< 1	10	< 2	50	< 0.1			
94DPV-071	254 202	< 5	0.2	90	< 2	23	< 1	< 1	22	< 2	82	< 0.1			
94DPV-072	254 202	< 5	< 0.2	12	< 2	9	< 1	< 1	8	< 2	30	< 0.1			
94DPV-074	254 202	< 5	0.2	12	< 2	19	< 1	< 1	14	< 2	92	< 0.1			
94DPV-075	254 202	< 5	< 0.2	4	< 2	22	< 1	< 1	14	< 2	108	< 0.1			
94DPV-076	254 202	< 5	0.2	2	< 2	7	< 1	< 1	8	< 2	46	< 0.1			
94DPV-077	254 202	< 5	0.2	12	< 2	23	< 1	< 1	20	< 2	94	< 0.1			
94DPV-078	254 202	< 5	0.4	2	< 2	22	< 1	< 1	16	< 2	104	< 0.1			
94DPV-079	254 202	< 5	0.4	8	< 2	17	< 1	< 1	12	< 2	102	< 0.1			
94DPV-080	254 202	< 5	0.4	4	< 2	23	< 1	< 1	20	< 2	98	< 0.1			
94DPV-081	254 202	< 5	0.4	8	< 2	26	< 1	< 1	20	< 2	88	< 0.1			
94DPV-082	254 202	< 5	0.2	4	< 2	22	< 1	< 1	20	< 2	96	< 0.1			
94DPV-083	254 202	< 5	0.4	10	< 2	20	< 1	< 1	16	< 2	88	< 0.1			
94DPV-084	254 202	< 5	0.2	54	< 2	30	< 1	< 1	22	4	68	< 0.1			

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Project: HYLAND  
 Comments: ATTN: TERRY TUCKER CC: HARLAN MEADE

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 Certificate Date: 16-AUG-94  
 Invoice No. : 19422238  
 P.O. Number :  
 Account : GP

## CERTIFICATE OF ANALYSIS A9422238

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94ERV-002	254 202	< 5	0.2	28	< 2	27	< 1	< 1	14	< 2	110	< 0.1			
94ERV-019	254 202	< 5	< 0.2	26	< 2	18	< 1	< 1	14	< 2	104	< 0.1			
94ERV-020	254 202	< 5	0.2	52	< 2	26	< 1	< 1	26	< 2	136	< 0.1			
94ERV-021	254 202	< 5	< 0.2	58	< 2	21	< 1	< 1	8	< 2	112	< 0.1			
94ERV-022	254 202	< 5	< 0.2	110	< 2	23	< 1	< 1	6	< 2	102	< 0.1			
94ERV-023	254 202	< 5	< 0.2	30	< 2	26	< 1	< 1	12	< 2	110	< 0.1			
94ERV-024	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
94ERV-025	254 202	< 5	< 0.2	8	< 2	18	< 1	< 1	12	< 2	78	< 0.1			
94ERV-026	254 202	< 5	< 0.2	18	< 2	21	< 1	< 1	10	< 2	86	< 0.1			
94ERV-027	254 202	< 5	0.2	< 2	< 2	23	< 1	< 1	14	< 2	112	< 0.1			
94ERV-028	254 202	< 5	0.2	16	< 2	22	< 1	1	16	< 2	128	< 0.1			
94ERV-029	254 202	< 5	< 0.2	26	< 2	19	< 1	< 1	12	< 2	98	< 0.1			
94ERV-030	254 202	< 5	0.2	6	< 2	28	< 1	< 1	18	< 2	164	< 0.1			
94ERV-031	254 202	< 5	0.2	10	< 2	28	< 1	1	16	< 2	108	< 0.1			
94ERV-032	254 202	< 5	< 0.2	6	< 2	25	< 1	< 1	12	< 2	82	< 0.1			
94ERV-033	254 202	< 5	< 0.2	6	< 2	24	< 1	< 1	14	< 2	86	< 0.1			
94ERV-034	254 202	< 5	0.6	6	< 2	41	< 1	< 1	12	< 2	68	< 0.1			
94ERV-035	254 202	< 5	< 0.2	8	< 2	27	< 1	< 1	12	< 2	116	< 0.1			
94ERV-036	254 202	< 5	< 0.2	6	< 2	31	< 1	< 1	16	< 2	122	< 0.1			
94ERV-037	254 202	< 5	< 0.2	24	< 2	32	1	2	20	< 2	168	< 0.1			
94ERV-038	254 202	< 5	< 0.2	52	2	53	< 1	4	22	< 2	502	< 0.1			
94ERV-039	254 202	< 5	< 0.2	46	< 2	24	< 1	< 1	20	< 2	140	< 0.1			
94ERV-040	254 202	< 5	< 0.2	14	< 2	35	< 1	< 1	12	< 2	152	< 0.1			
94ERV-041	254 202	< 5	< 0.2	34	< 2	38	< 1	1	20	< 2	164	< 0.1			
94ERV-044	254 202	< 5	< 0.2	12	< 2	32	< 1	< 1	22	< 2	106	< 0.1			
94ERV-045	254 202	< 5	0.4	18	< 2	28	< 1	1	16	< 2	94	< 0.1			
94ERV-046	254 202	< 5	< 0.2	12	< 2	22	< 1	1	18	< 2	104	< 0.1			
94ERV-047	254 202	< 5	0.2	16	< 2	27	< 1	< 1	20	< 2	104	< 0.1			
94ERV-049	254 202	< 5	< 0.2	22	< 2	27	< 1	< 1	14	< 2	70	< 0.1			
94ERV-050	254 202	80	0.2	12	< 2	20	< 1	< 1	16	< 2	76	< 0.1			
94ERV-051	254 202	15	0.2	16	< 2	23	< 1	< 1	22	< 2	104	< 0.1			
94ERV-052	254 202	105	0.2	22	< 2	20	< 1	< 1	14	< 2	76	< 0.1			
94ERV-053	254 202	< 5	< 0.2	34	< 2	33	< 1	1	28	2	122	< 0.1			
94ERV-054	254 202	20	0.2	14	< 2	27	< 1	< 1	20	< 2	92	< 0.1			
94ERV-055	254 202	< 5	0.2	18	< 2	31	< 1	< 1	20	< 2	94	0.1			
94ERV-056	254 202	< 5	0.2	16	< 2	21	< 1	< 1	16	< 2	94	< 0.1			

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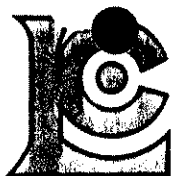
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 Account : GP

Project : HYLAND  
 Comments : ATTN: TERRY TUCKER CC: HARLAN MEADE

## CERTIFICATE OF ANALYSIS A9422237

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94TTR-012	205	226	15	< 0.2	132	< 2	189	< 1	< 1	58	4	118	< 0.1			
94TTR-013	205	226	< 5	< 0.2	< 2	< 2	4	< 1	< 1	16	< 2	26	< 0.1			
94TTR-014	205	226	< 5	< 0.2	16	2	2	< 1	< 1	12	2	44	< 0.1			
94TTR-015	205	226	< 5	< 0.2	< 2	< 2	1	< 1	< 1	< 2	< 2	< 2	< 0.1			
94TTR-016	205	226	< 5	< 0.2	< 2	< 2	41	< 1	< 1	4	2	110	< 0.1			
94TTR-017	205	226	< 5	< 0.2	8	< 2	12	< 1	< 1	22	< 2	108	< 0.1			
94TTR-018	205	226	< 5	< 0.2	< 2	< 2	< 1	< 1	< 1	< 2	< 2	2	< 0.1			
94TTR-019	205	226	< 5	< 0.2	8	< 2	< 1	< 1	< 1	2	< 2	4	< 0.1			
94TTR-020	205	226	< 5	< 0.2	6	< 2	40	< 1	< 1	4	16	22	< 0.1			
94TTR-021	205	226	< 5	< 0.2	< 2	< 2	2	< 1	< 1	2	2	6	< 0.1			
94TTR-022	205	226	< 5	< 0.2	10	< 2	17	< 1	< 1	12	< 2	76	< 0.1			
94TTR-023	205	226	< 5	< 0.2	14	< 2	14	< 1	< 1	8	< 2	76	< 0.1			
94TTR-024	205	226	< 5	< 0.2	16	< 2	10	< 1	< 1	4	2	68	< 0.1			
94TTR-025	205	226	< 5	< 0.2	16	< 2	25	< 1	< 1	16	< 2	86	< 0.1			
94ERR-042	205	226	< 5	< 0.2	< 2	< 2	2	< 1	1	4	< 2	14	< 0.1			
94ERR-043	205	226	< 5	< 0.2	8	< 2	2	< 1	< 1	4	< 2	22	< 0.1			
94ERR-047	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
94ERR-048	205	226	< 5	< 0.2	12	< 2	6	< 1	1	8	< 2	22	< 0.1			
94DPR-047	205	226	20	< 0.2	7210	< 2	165	< 1	< 1	30	4	30	1.0			
94DPR-086	205	226	< 5	< 0.2	52	< 2	29	< 1	< 1	12	4	90	< 0.1			
94DHR-003	205	226	< 5	< 0.2	12	< 2	< 1	< 1	< 1	< 2	2	2	< 0.1			
94DHR-004	205	226	< 5	< 0.2	6	< 2	4	< 1	< 1	8	< 2	42	< 0.1			
94DHR-005 ✓	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
94VPR-030	205	226	< 5	< 0.2	< 2	< 2	1	< 1	< 1	6	< 2	2	< 0.1			
94VPR-034	205	226	< 5	< 0.2	< 2	< 2	6	< 1	< 1	12	< 2	36	< 0.1			
94VPR-054	205	226	< 5	< 0.2	8	< 2	6	< 1	< 1	2	< 2	54	< 0.1			

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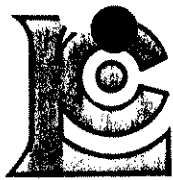
Project : HYLAND  
 Comments : ATTN: TERRY TUCKER CC: HARLAN MEADE

## CERTIFICATE OF ANALYSIS A9422745

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94AHR 044	205 226	< 5	0.2	84	2	13	< 1	< 1	12	2	28	< 0.1			
94AHR 063	205 226	< 5	0.4	18	< 2	17	< 1	< 1	12	2	72	< 0.1			
94DHR 005	205 226	< 5	0.2	20	< 2	27	< 1	1	58	2	118	< 0.1			
94DPR 099	205 226	< 5	0.6	44	< 2	55	< 1	1	42	16	150	0.2			
94DPR 100	205 226	< 5	< 0.2	2	< 2	8	< 1	< 1	6	< 2	10	< 0.1			
94DPR 101	205 226	< 5	< 0.2	4	< 2	9	< 1	< 1	8	< 2	218	< 0.1			
94DPR 102	205 226	< 5	< 0.2	< 2	< 2	122	< 1	< 1	24	< 2	30	< 0.1			
94DPR 103	205 226	55	0.6	1450	4	54	< 1	3	10	2	26	< 0.1			
94DPR 104	205 226	< 5	< 0.2	174	2	11	< 1	< 1	2	2	8	< 0.1			
94DPR 105	205 226	< 5	< 0.2	16	< 2	< 1	< 1	< 1	4	2	12	< 0.1			
94DPR 106	205 226	< 5	< 0.2	138	2	6	< 1	< 1	4	2	8	< 0.1			
94ERR 057	205 226	< 5	0.2	12	< 2	15	< 1	< 1	1345	8	7700	< 0.1			
94ERR 059	205 226	< 5	< 0.2	8	< 2	< 1	< 1	< 1	16	2	18	< 0.1			
94ERR 060	205 226	< 5	0.2	8	< 2	< 1	< 1	< 1	16	2	32	< 0.1			
94ERR 061	205 226	< 5	0.4	14	< 2	< 1	< 1	< 1	10	< 2	38	< 0.1			
94ERR 062	205 226	45	0.8	722	< 2	42	< 1	2	516	6	874	< 0.1			
94ERR 063	205 226	< 5	< 0.2	176	2	3	< 1	< 1	6	< 2	6	< 0.1			
94ERR 064	205 226	< 5	0.2	390	8	2	< 1	< 1	32	< 2	46	< 0.1			
94ERR 067	205 226	15	0.2	1000	6	45	< 1	< 1	12	2	20	< 0.1			
94ERR 068	205 226	< 5	0.2	12	< 2	1	< 1	< 1	12	2	10	< 0.1			
94TTR 026	205 226	5	1.0	42	< 2	11	< 1	1	30	4	52	< 0.1			
94TTR 027	205 226	< 5	0.6	26	< 2	1	< 1	< 1	82	6	92	< 0.1			
94TTR 028	205 226	15	0.6	1950	50	33	< 1	1	10	4	16	< 0.1			
94TTR 029	205 226	< 5	< 0.2	310	2	7	< 1	< 1	4	< 2	2	< 0.1			
94TTR 030	205 226	< 5	0.4	154	2	280	< 1	1	16	2	26	0.3			
94TTR 031	205 226	< 5	0.2	6	< 2	32	< 1	< 1	14	< 2	22	< 0.1			
94TTR 032	205 226	< 5	< 0.2	< 2	< 2	< 1	< 1	1	6	2	58	< 0.1			
94YPR 068	205 226	< 5	< 0.2	124	2	5	< 1	< 1	4	< 2	4	< 0.1			
94YPR 070	205 226	< 5	< 0.2	14	< 2	18	< 1	1	16	2	30	< 0.1			
94YPR 071	205 226	< 5	< 0.2	4	< 2	6	< 1	< 1	4	< 2	12	< 0.1			

CERTIFICATION:

*Handwritten signature*



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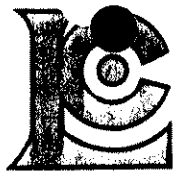
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 Account: GP

Project: HYLAND  
 Comments: ATTN: TERRY TUCKER CC: HARLAN MEADE

## CERTIFICATE OF ANALYSIS A9422724

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94DHS 095	254 229	< 5	< 0.2	8	< 2	11	< 1	< 1	12	< 2	66	< 0.1			
94DHS 096	254 229	< 5	< 0.2	22	< 2	16	< 1	< 1	8	< 2	52	< 0.1			
94DHS 097	254 229	< 5	< 0.2	44	< 2	59	< 1	< 1	32	< 2	118	0.1			
94DHS 098	254 229	< 5	< 0.2	16	< 2	9	< 1	< 1	8	< 2	40	< 0.1			
94DHS 099	254 229	< 5	< 0.2	24	< 2	11	< 1	< 1	22	< 2	66	< 0.1			
94DHS 100	254 229	< 5	< 0.2	36	< 2	28	< 1	< 1	18	< 2	84	< 0.1			
94DHS 101	254 229	< 5	< 0.2	20	< 2	12	< 1	< 1	8	< 2	48	< 0.1			
94DHS 102	254 229	< 5	0.2	14	< 2	7	< 1	< 1	12	< 2	38	< 0.1			
94DHS 103	254 229	< 5	< 0.2	28	< 2	14	< 1	< 1	8	< 2	56	< 0.1			
94DHS 104	254 229	< 5	< 0.2	220	< 2	28	< 1	< 1	6	< 2	34	< 0.1			
94DHS 105	254 229	< 5	< 0.2	22	< 2	8	< 1	< 1	16	< 2	54	< 0.1			
94DHS 106	254 229	< 5	< 0.2	18	< 2	13	< 1	< 1	14	< 2	62	< 0.1			
94DHS 107	254 229	< 5	< 0.2	6	< 2	12	< 1	< 1	14	< 2	52	< 0.1			
94DHS 108	254 229	< 5	< 0.2	20	< 2	18	< 1	< 1	16	< 2	46	< 0.1			
94DHS 109	254 229	< 5	< 0.2	10	2	12	< 1	< 1	8	< 2	12	< 0.1			
94DHS 110	254 229	< 5	< 0.2	22	< 2	47	< 1	< 1	60	< 2	74	< 0.1			
94DHS 111	254 229	40	< 0.2	14	< 2	9	< 1	< 1	8	< 2	26	< 0.1			
94DHS 112	254 229	< 5	< 0.2	30	< 2	17	< 1	< 1	10	< 2	26	< 0.1			
94DHS 113	254 229	< 5	< 0.2	32	< 2	13	< 1	< 1	6	< 2	20	< 0.1			
94DHS 114	254 229	< 5	< 0.2	26	< 2	27	< 1	< 1	14	< 2	74	< 0.1			
94DHS 115	254 229	< 5	< 0.2	32	< 2	33	< 1	< 1	20	< 2	54	< 0.1			
94DHS 116	254 229	< 5	< 0.2	214	< 2	28	< 1	< 1	148	6	110	< 0.1			
94DHS 117	254 229	20	0.2	812	4	45	< 1	< 1	608	14	278	< 0.1			
94DHS 118	254 229	10	0.4	176	2	53	< 1	< 1	154	6	232	< 0.1			
94DHS 119	254 229	10	0.6	226	4	58	< 1	< 1	156	8	272	< 0.1			
94DHS 120	254 229	25	0.6	218	8	46	< 1	< 1	142	10	248	< 0.1			
94DHS 121	254 229	< 5	< 0.2	30	< 2	26	< 1	< 1	50	2	138	< 0.1			
94DHS 122	254 229	< 5	< 0.2	48	< 2	31	< 1	< 1	46	4	140	< 0.1			
94DHS 123	254 229	< 5	0.4	30	< 2	23	< 1	< 1	32	4	120	< 0.1			
94DHS 124	254 229	< 5	0.2	42	< 2	29	< 1	5	30	2	162	< 0.1			
94DHS 125	254 229	< 5	0.2	18	< 2	21	< 1	< 1	28	< 2	72	< 0.1			
94DHS 126	254 229	< 5	0.2	30	< 2	27	< 1	< 1	34	2	102	< 0.1			
94DHS 127	254 229	< 5	0.2	30	< 2	12	< 1	2	22	< 2	96	< 0.1			
94DHS 128	254 229	< 5	0.2	38	< 2	12	< 1	2	34	2	112	< 0.1			
94DHS 129	254 229	< 5	0.2	52	< 2	31	< 1	1	74	2	188	< 0.1			
94DHS 130	254 229	< 5	0.4	44	< 2	16	< 1	< 1	88	2	408	< 0.1			
94DHS 131	254 229	< 5	0.2	22	< 2	11	< 1	< 1	36	< 2	190	< 0.1			
94DHS 132	254 229	< 5	1.0	28	< 2	26	< 1	< 1	134	2	512	< 0.1			
94DHS 133	254 229	< 5	0.2	12	< 2	10	< 1	< 1	24	2	74	< 0.1			
94DHS 134	254 229	< 5	0.4	18	< 2	16	< 1	1	24	2	84	< 0.1			

CERTIFICATION: *Hank Buchler*



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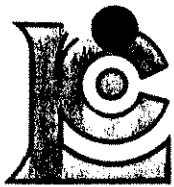
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Comments: ATTN: TERRY TUCKER CC: HARLAN MEADE

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## CERTIFICATE OF ANALYSIS A9422724

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94DHS 135 ✓	254 229	< 5	0.2	46	< 2	30	< 1	1	106	6	264	< 0.1			
94DHS 136 ✓	254 229	< 5	1.2	56	< 2	27	< 1	< 1	126	4	180	< 0.1			
94DHS 137 ✓	254 229	< 5	0.4	106	< 2	21	< 1	< 1	54	6	98	< 0.1			
94DHS 138 ✓	254 229	10	0.8	82	< 2	33	< 1	< 1	112	8	200	< 0.1			
94DHS 139 ✓	254 229	< 5	0.8	34	< 2	27	< 1	1	142	4	220	< 0.1			
94TTS 025 ✓	254 229	340	0.6	652	98	13	< 1	< 1	46	2	16	< 0.1			
94TTS 026 ✓	254 229	30	0.2	182	24	28	< 1	1	30	2	60	< 0.1			
94TTS 027 ✓	254 229	20	2.0	8350	29	488	< 1	(7)	3220	(52)	1620	< 0.1			
94TTS 028 ✓	254 229	< 5	< 0.2	70	2	23	< 1	1	28	4	62	< 0.1			
94TTS 029 ✓	254 229	10	0.2	86	6	37	< 1	1	26	4	68	< 0.1			
94TTS 030 ✓	254 229	< 5	0.2	42	< 2	56	< 1	1	40	2	82	< 0.1			
94YTS 008 ✓	254 229	< 5	< 0.2	56	2	25	< 1	< 1	52	2	98	< 0.1			
94YTS 009 ✓	254 229	< 5	0.2	44	< 2	23	< 1	< 1	22	2	74	< 0.1			
94YTS 010 ✓	254 229	< 5	0.2	54	< 2	24	< 1	1	40	4	106	< 0.1			
94YTS 011 ✓	254 229	< 5	0.2	74	2	31	< 1	1	38	4	122	< 0.1			
94YTS 012 ✓	254 229	< 5	0.2	30	2	20	< 1	1	32	2	84	< 0.1			
94YTS 013 ✓	254 229	< 5	0.2	50	2	26	< 1	< 1	38	2	94	< 0.1			
94YTS 014 ✓	254 229	< 5	0.2	18	2	11	< 1	1	30	2	72	< 0.1			
94YTS 015 ✓	254 229	< 5	0.2	30	2	26	< 1	1	44	2	94	< 0.1			
94YTS 016 ✓	254 229	< 5	0.2	50	2	32	< 1	1	38	4	96	< 0.1			
94YTS 017 ✓	254 229	< 5	0.2	90	2	44	< 1	1	42	4	94	< 0.1			
94YTS 018 ✓	254 229	< 5	0.2	64	2	41	< 1	1	48	4	88	< 0.1			
94YTS 019 ✓	254 229	< 5	0.4	48	2	35	< 1	1	30	2	88	< 0.1			
94YTS 020 ✓	254 229	< 5	0.2	22	< 2	32	< 1	< 1	28	2	94	< 0.1			
94YTS 021 ✓	254 229	< 5	0.2	36	< 2	36	< 1	1	34	2	102	< 0.1			
94YTS 022 ✓	254 229	< 5	0.2	22	< 2	38	< 1	1	32	2	108	< 0.1			
94YTS 023 ✓	254 229	< 5	0.2	24	< 2	21	< 1	< 1	22	2	102	< 0.1			
94YTS 024 ✓	254 229	< 5	< 0.2	34	< 2	25	< 1	1	26	2	114	< 0.1			
94YTS 025 ✓	254 229	< 5	0.2	40	2	25	< 1	1	24	2	82	< 0.1			
94YTS 026 ✓	254 229	< 5	0.2	28	2	30	< 1	< 1	26	< 2	80	< 0.1			
94YTS 027 ✓	254 229	< 5	0.2	8	2	9	< 1	< 1	12	< 2	26	< 0.1			
94YTS 028 ✓	254 229	< 5	0.2	32	2	30	< 1	< 1	22	2	100	< 0.1			
94YTS 029 ✓	254 229	< 5	0.2	38	4	37	< 1	1	24	< 2	94	< 0.1			
94YTS 030 ✓	254 229	< 5	0.2	22	< 2	27	< 1	1	24	2	94	< 0.1			
94YTS 031 ✓	254 229	< 5	0.2	26	< 2	20	< 1	< 1	28	2	88	< 0.1			
94YTS 032 ✓	254 229	< 5	0.2	36	2	35	< 1	1	26	< 2	98	< 0.1			
94YTS 033 ✓	254 229	< 5	0.2	34	2	26	< 1	< 1	26	< 2	98	< 0.1			
94YTS 034 ✓	254 229	5	0.2	26	< 2	28	< 1	< 1	24	< 2	96	< 0.1			
94YTS 035 ✓	254 229	< 5	0.2	20	2	11	< 1	< 1	20	2	64	< 0.1			
94YTS 036 ✓	254 229	< 5	0.2	24	2	20	< 1	1	26	2	80	< 0.1			

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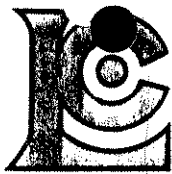
Project : HYLAND  
 Comments : ATTN: TERRY TUCKER CC: HARLAN MEADE

## CERTIFICATE OF ANALYSIS A9422724

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94YTS 037 ✓	254 229	< 5	< 0.2	30	< 2	26	< 1	< 1	16	2	52	< 0.1			
94YTS 038 ✓	254 229	< 5	< 0.2	30	< 2	27	< 1	< 1	14	2	84	< 0.1			
94YTS 039 ✓	254 229	10	< 0.2	22	< 2	30	< 1	1	24	2	94	< 0.1			
94YTS 040 ✓	254 229	< 5	< 0.2	34	< 2	29	< 1	< 1	20	2	116	< 0.1			
94YTS 041 ✓	254 229	< 5	< 0.2	20	< 2	21	< 1	< 1	18	2	84	< 0.1			
94YTS 042 ✓	254 229	< 5	< 0.2	26	< 2	26	< 1	< 1	22	< 2	100	< 0.1			
94YTS 043 ✓	254 229	< 5	< 0.2	32	2	34	< 1	< 1	20	2	130	< 0.1			
94YTS 044 ✓	254 229	5	0.2	20	< 2	30	< 1	1	16	2	88	< 0.1			
94YTS 045 ✓	254 229	< 5	< 0.2	20	< 2	21	1	1	14	2	78	< 0.1			
94YTS 046 ✓	254 229	< 5	< 0.2	12	< 2	21	< 1	1	14	4	94	< 0.1			
94YTS 047 ✓	254 229	< 5	< 0.2	40	< 2	35	< 1	< 1	24	2	126	< 0.1			
94YTS 048 ✓	254 229	< 5	< 0.2	24	2	27	< 1	< 1	16	2	98	< 0.1			
94YTS 049 ✓	254 229	5	< 0.2	48	< 2	36	1	< 1	24	2	80	< 0.1			
94YTS 050 ✓	254 229	20	< 0.2	60	2	34	< 1	< 1	22	2	96	< 0.1			
94YTS 051 ✓	254 229	25	0.2	54	4	27	< 1	< 1	14	< 2	48	< 0.1			
94YTS 052 ✓	254 229	10	< 0.2	48	2	32	< 1	< 1	16	2	70	< 0.1			
94YTS 053 ✓	254 229	< 5	0.4	34	2	39	< 1	1	36	4	136	< 0.1			
94YTS 054 ✓	254 229	< 5	0.2	40	2	27	< 1	1	22	2	60	< 0.1			
94YTS 055 ✓	254 229	< 5	0.2	48	2	29	< 1	1	18	2	92	< 0.1			
94YTS 056 ✓	254 229	< 5	0.2	40	2	28	< 1	< 1	18	4	96	< 0.1			
94YTS 057 ✓	254 229	< 5	0.2	36	2	29	< 1	< 1	12	2	90	< 0.1			
94YTS 058 ✓	254 229	< 5	0.2	62	4	39	< 1	1	18	4	80	< 0.1			
94YTS 059 ✓	254 229	< 5	0.4	56	2	41	< 1	1	20	4	96	< 0.1			
94YTS 060 ✓	254 229	25	0.2	66	6	34	< 1	1	16	2	82	< 0.1			
94YTS 061 ✓	254 229	< 5	< 0.2	4	< 2	4	< 1	< 1	8	< 2	12	< 0.1			
94YTS 062 ✓	254 229	< 5	< 0.2	4	< 2	4	< 1	< 1	6	< 2	12	< 0.1			
94YTS 063 ✓	254 229	< 5	< 0.2	< 2	< 2	4	< 1	< 1	4	< 2	12	< 0.1			
94YTS 064 ✓	254 229	< 5	0.2	28	< 2	102	< 1	2	46	2	116	< 0.1			
94YTS 065 ✓	254 229	< 5	< 0.2	< 2	< 2	2	< 1	< 1	2	< 2	4	< 0.1			
94YTS 066 ✓	254 229	< 5	0.2	8	< 2	4	< 1	< 1	6	< 2	14	< 0.1			
94YTS 067 ✓	254 229	< 5	0.2	68	2	24	< 1	< 1	14	< 2	64	< 0.1			
94YTS 068 ✓	254 229	< 5	0.2	2	< 2	4	< 1	< 1	12	< 2	16	< 0.1			
94YTS 069 ✓	254 229	< 5	0.2	2	< 2	17	< 1	< 1	14	< 2	20	< 0.1			
94YTS 070 ✓	254 229	< 5	0.4	4	< 2	10	< 1	< 1	14	< 2	26	< 0.1			
94YTS 071 ✓	254 229	< 5	0.4	6	< 2	14	< 1	1	16	< 2	46	< 0.1			
94YTS 072 ✓	254 229	< 5	0.4	8	< 2	10	< 1	1	14	2	62	< 0.1			
94YTS 073 ✓	254 229	< 5	0.6	6	< 2	15	< 1	2	22	< 2	36	< 0.1			
94YTS 074 ✓	254 229	< 5	0.4	8	< 2	14	< 1	1	16	< 2	40	< 0.1			
94YTS 075 ✓	254 229	< 5	0.4	6	< 2	9	< 1	1	18	< 2	44	< 0.1			
94YTS 076 ✓	254 229	< 5	0.2	10	< 2	24	< 1	2	22	< 2	52	< 0.1			

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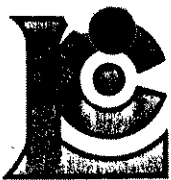
## CERTIFICATE OF ANALYSIS

### A9422724

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94YTS 077 ✓	254 229	< 5	0.6	4	< 2	9	< 1	1	14	< 2	26	< 0.1			
94YTS 078 ✓	254 229	< 5	0.2	2	< 2	4	< 1	< 1	6	< 2	14	< 0.1			
94YTS 079 ✓	254 229	< 5	0.2	14	< 2	11	< 1	1	12	< 2	30	< 0.1			
94YTS 080 ✓	254 229	< 5	< 0.2	14	< 2	10	< 1	1	20	< 2	36	< 0.1			
94YTS 081 ✓	254 229	< 5	0.4	8	< 2	12	< 1	1	14	< 2	26	< 0.1			
94YTS 082 ✓	254 229	< 5	< 0.2	20	< 2	13	< 1	1	14	< 2	56	< 0.1			
94YTS 083 ✓	254 229	< 5	< 0.2	10	< 2	15	< 1	1	14	< 2	50	< 0.1			
94YTS 084 ✓	254 229	< 5	0.2	2	< 2	18	< 1	< 1	12	< 2	74	< 0.1			
94YTS 085 ✓	254 229	< 5	0.2	< 2	< 2	4	< 1	< 1	10	< 2	10	< 0.1			
94YTS 086 ✓	254 229	< 5	0.4	18	< 2	14	< 1	1	16	< 2	64	< 0.1			
94YTS 087 ✓	254 229	< 5	0.2	4	< 2	18	< 1	1	16	< 2	50	< 0.1			
94YTS 088 ✓	254 229	< 5	0.2	6	< 2	15	< 1	1	16	< 2	42	< 0.1			
94YTS 089 ✓	254 229	< 5	0.2	< 2	< 2	< 1	< 1	< 1	< 2	< 2	2	< 0.1			
94YTS 090 ✓	254 229	< 5	< 0.2	< 2	< 2	2	< 1	< 1	2	< 2	4	< 0.1			
94YTS 091 ✓	254 229	< 5	< 0.2	< 2	< 2	6	< 1	< 1	4	< 2	10	< 0.1			
94YTS 092 ✓	254 229	< 5	0.2	< 2	< 2	9	< 1	1	6	< 2	16	< 0.1			
94YTS 093 ✓	254 229	< 5	0.4	14	< 2	21	< 1	1	20	< 2	52	< 0.1			
94YTS 094 ✓	254 229	< 5	< 0.2	< 2	< 2	2	< 1	< 1	2	< 2	4	< 0.1			
94YTS 095 ✓	254 229	< 5	0.4	6	< 2	24	< 1	1	12	< 2	34	< 0.1			
94YTS 096 ✓	254 229	< 5	0.6	4	< 2	11	< 1	1	6	< 2	22	< 0.1			
94YTS 097 ✓	254 229	< 5	0.4	8	< 2	25	< 1	1	20	< 2	68	< 0.1			
94YTS 098 ✓	254 229	< 5	0.2	< 2	< 2	4	< 1	< 1	4	< 2	8	< 0.1			
94YTS 099 ✓	254 229	< 5	0.2	< 2	< 2	2	< 1	< 1	2	< 2	6	< 0.1			
94YTS 100 ✓	254 229	< 5	0.4	4	< 2	9	< 1	< 1	10	< 2	14	< 0.1			

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Project: HYLAND  
 Comments: ATTN: TERRY TUCKER CC: HARLAN MEADE

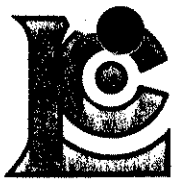
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 Invoice No.: I9422723  
 P.O. Number:  
 Account: GP

## CERTIFICATE OF ANALYSIS

### A9422723

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94AHS 056✓	254 229	< 5	< 0.2	12	2	5	< 1	< 1	12	2	22	< 0.1			
94AHS 057✓	254 229	< 5	< 0.2	64	< 2	28	< 1	< 1	34	6	108	< 0.1			
94AHS 058✓	254 229	< 5	< 0.2	32	< 2	15	< 1	< 1	20	2	72	< 0.1			
94AHS 059✓	254 229	< 5	0.2	34	2	17	< 1	< 1	24	< 2	102	< 0.1			
94AHS 060✓	254 229	< 5	< 0.2	50	2	27	< 1	< 1	20	< 2	72	< 0.1			
94AHS 061✓	254 229	< 5	< 0.2	16	< 2	8	< 1	< 1	16	4	28	< 0.1			
94AHS 062✓	254 229	5	< 0.2	12	2	7	< 1	< 1	4	< 2	10	< 0.1			
94AHS 064✓	254 229	180	< 0.2	62	2	17	< 1	1	12	< 2	42	< 0.1			
94AHS 065✓	254 229	< 5	< 0.2	2	< 2	8	< 1	< 1	12	< 2	18	< 0.1			
94AHS 066✓	254 229	10	< 0.2	30	< 2	14	< 1	< 1	16	2	34	< 0.1			
94AHS 067✓	254 229	< 5	< 0.2	40	< 2	13	< 1	< 1	18	2	34	< 0.1			
94AHS 068✓	254 229	< 5	< 0.2	46	2	9	< 1	< 1	20	2	24	< 0.1			
94AHS 069✓	254 229	< 5	< 0.2	42	2	12	< 1	< 1	24	< 2	26	< 0.1			
94AHS 070✓	254 229	5	< 0.2	64	< 2	25	< 1	1	22	2	60	< 0.1			
94AHS 071✓	254 229	< 5	< 0.2	66	< 2	13	< 1	2	8	< 2	46	< 0.1			
94AHS 072✓	254 229	< 5	< 0.2	6	< 2	3	< 1	< 1	6	< 2	6	0.1			
94AHS 073✓	254 229	< 5	< 0.2	18	< 2	16	< 1	< 1	6	2	36	< 0.1			
94AHS 074✓	254 229	10	< 0.2	72	< 2	25	1	< 1	14	4	58	< 0.1			
94AHS 075✓	254 229	< 5	0.2	54	< 2	20	1	< 1	16	2	50	< 0.1			
94AHS 076✓	254 229	< 5	< 0.2	42	2	10	< 1	< 1	18	< 2	18	< 0.1			
94AHS 077✓	254 229	< 5	< 0.2	44	2	14	< 1	< 1	20	< 2	30	< 0.1			
94AHS 078✓	254 229	< 5	< 0.2	64	2	18	< 1	< 1	22	2	34	< 0.1			
94AHS 079✓	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
94AHS 080✓	254 229	< 5	< 0.2	142	2	28	< 1	< 1	52	4	70	< 0.1			
94AHS 081✓	254 229	< 5	< 0.2	108	2	34	< 1	< 1	32	8	70	< 0.1			
94AHS 082✓	254 229	< 5	< 0.2	118	2	33	< 1	< 1	22	< 2	70	< 0.1			
94AHS 083✓	254 229	< 5	< 0.2	370	< 2	39	< 1	< 1	34	4	76	0.1			
94AHS 084✓	254 229	< 5	< 0.2	262	< 2	36	< 1	< 1	30	2	60	0.1			
94AHS 085✓	254 229	< 5	< 0.2	26	< 2	10	< 1	< 1	10	< 2	24	< 0.1			
94AHS 086✓	254 229	< 5	< 0.2	18	< 2	11	< 1	< 1	8	< 2	10	< 0.1			
94AHS 087✓	254 229	< 5	< 0.2	108	< 2	25	< 1	< 1	26	2	52	0.1			
94AHS 088✓	254 229	< 5	< 0.2	< 2	< 2	14	< 1	< 1	38	< 2	120	< 0.1			
94AHS 089✓	254 229	< 5	< 0.2	12	< 2	17	< 1	< 1	48	2	142	< 0.1			
94AHS 090✓	254 229	5	< 0.2	18	< 2	29	< 1	1	44	2	88	0.2			
94AHS 091✓	254 229	< 5	< 0.2	4	< 2	12	< 1	< 1	4	< 2	32	< 0.1			
94AHS 092✓	254 229	< 5	0.2	12	< 2	22	< 1	< 1	20	4	100	< 0.1			
94AHS 093✓	254 229	< 5	0.2	< 2	2	18	< 1	< 1	40	4	66	< 0.1			
94AHS 094✓	254 229	< 5	< 0.2	12	< 2	16	< 1	< 1	26	4	110	< 0.1			
94AHS 095✓	254 229	< 5	< 0.2	< 2	< 2	14	< 1	< 1	24	< 2	98	< 0.1			
94AHS 096✓	254 229	< 5	< 0.2	4	< 2	15	< 1	< 1	22	< 2	80	< 0.1			

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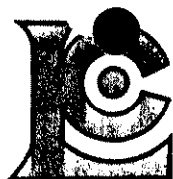
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 Certificate Date: 23-AUG-94  
 Invoice No. : 19422723  
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 Account : GP

## CERTIFICATE OF ANALYSIS A9422723

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94AHS 097/	254 229	< 5	< 0.2	16	< 2	28	< 1	< 1	46	< 2	154	< 0.1			
94AHS 098/	254 229	< 5	0.2	24	< 2	28	< 1	< 1	46	2	210	< 0.1			
94AHS 099/	254 229	< 5	< 0.2	16	< 2	20	2	< 1	44	< 2	154	< 0.1			
94AHS 100/	254 229	< 5	< 0.2	26	< 2	21	< 1	< 1	50	< 2	162	< 0.1			
94AHS 101/	254 229	< 5	< 0.2	18	< 2	28	< 1	< 1	46	2	108	< 0.1			
94AHS 102/	254 229	< 5	< 0.2	14	< 2	26	< 1	< 1	42	< 2	114	< 0.1			
94AHS 103/	254 229	< 5	< 0.2	20	< 2	21	< 1	< 1	40	< 2	128	< 0.1			
94AHS 104/	254 229	< 5	< 0.2	8	< 2	12	< 1	< 1	22	2	88	< 0.1			
94AHS 105/	254 229	< 5	< 0.2	22	< 2	14	< 1	< 1	18	2	74	< 0.1			
94AHS 106/	254 229	< 5	< 0.2	42	< 2	32	< 1	< 1	42	< 2	108	< 0.1			
94AHS 107/	254 229	< 5	< 0.2	42	< 2	30	< 1	< 1	40	2	144	< 0.1			
94AHS 108/	254 229	< 5	< 0.2	68	< 2	35	< 1	< 1	34	4	108	< 0.1			
94AHS 109/	254 229	< 5	< 0.2	36	< 2	23	1	< 1	26	< 2	78	< 0.1			
94AHS 110/	254 229	< 5	< 0.2	40	< 2	31	< 1	< 1	32	2	94	< 0.1			
94AHS 111/	254 229	5	< 0.2	422	< 2	147	< 1	< 1	20	2	66	< 0.1			
94AHS 112/	254 229	< 5	< 0.2	38	< 2	17	2	< 1	22	2	60	< 0.1			
94AHS 113/	254 229	525	< 0.2	1145	2	220	< 1	< 1	42	4	88	< 0.1			
94BDS 009/	254 229	< 5	0.2	6	< 2	10	< 1	< 1	16	4	82	< 0.1			
94BDS 010/	254 229	< 5	0.4	58	< 2	31	< 1	< 1	46	8	94	< 0.1			
94BDS 011/	254 229	< 5	< 0.2	4	< 2	5	< 1	< 1	12	< 2	20	< 0.1			
94BDS 012/	254 229	< 5	< 0.2	22	< 2	14	< 1	< 1	44	4	90	< 0.1			
94BDS 013/	254 229	< 5	< 0.2	26	< 2	24	< 1	< 1	22	< 2	84	< 0.1			
94BDS 014/	254 229	< 5	< 0.2	12	< 2	13	< 1	< 1	6	2	28	< 0.1			
94BDS 015/	254 229	< 5	< 0.2	24	< 2	18	< 1	1	6	< 2	58	< 0.1			
94BDS 016/	254 229	< 5	< 0.2	8	< 2	4	< 1	< 1	14	< 2	28	< 0.1			
94BDS 017/	254 229	< 5	< 0.2	18	< 2	10	< 1	< 1	12	2	52	< 0.1			
94BDS 018/	254 229	< 5	< 0.2	6	< 2	9	< 1	< 1	18	< 2	70	< 0.1			
94BDS 019/	254 229	< 5	< 0.2	22	< 2	15	< 1	< 1	20	2	88	< 0.1			
94BDS 020/	254 229	< 5	< 0.2	14	< 2	14	< 1	1	16	< 2	68	< 0.1			
94BDS 021/	254 229	5	0.4	32	< 2	53	< 1	1	34	10	108	< 0.1			
94BDS 022/	254 229	< 5	< 0.2	26	< 2	17	< 1	< 1	40	< 2	86	< 0.1			
94BDS 023/	254 229	< 5	< 0.2	6	< 2	6	< 1	< 1	16	< 2	82	< 0.1			
94BDS 024/	254 229	< 5	< 0.2	36	2	35	< 1	< 1	34	< 2	86	< 0.1			
94BDS 025/	254 229	< 5	< 0.2	20	< 2	18	< 1	< 1	52	2	96	< 0.1			
94BDS 026/	254 229	< 5	< 0.2	16	< 2	4	< 1	< 1	8	2	28	< 0.1			
94BDS 027/	254 229	< 5	< 0.2	12	< 2	16	< 1	< 1	28	< 2	84	< 0.1			
94BDS 028/	254 229	< 5	< 0.2	26	< 2	35	< 1	< 1	48	< 2	120	< 0.1			
94BDS 029/	254 229	< 5	< 0.2	12	< 2	24	< 1	< 1	46	< 2	86	< 0.1			
94BDS 030/	254 229	< 5	< 0.2	22	< 2	8	< 1	< 1	18	< 2	50	< 0.1			
94BDS 031/	254 229	< 5	< 0.2	8	< 2	3	< 1	< 1	6	4	28	< 0.1			

CERTIFICATION: Hart Buchler



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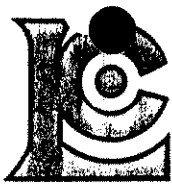
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## CERTIFICATE OF ANALYSIS A9422723

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94BDS 032 ✓	254 229	10	< 0.2	30	2	6	1	< 1	4	< 2	14	< 0.1			
94BDS 033 ✓	254 229	15	0.4	22	< 2	11	< 1	< 1	24	2	58	< 0.1			
94BDS 034 ✓	254 229	< 5	< 0.2	4	< 2	6	1	< 1	14	< 2	42	< 0.1			
94BDS 035 ✓	254 229	< 5	< 0.2	64	2	22	< 1	< 1	38	6	62	< 0.1			
94BDS 036 ✓	254 229	< 5	< 0.2	8	< 2	2	< 1	< 1	18	< 2	28	< 0.1			
94BDS 037 ✓	254 229	< 5	< 0.2	32	2	11	< 1	< 1	40	< 2	68	< 0.1			
94BDS 038 ✓	254 229	< 5	< 0.2	28	< 2	13	< 1	< 1	22	2	50	< 0.1			
94BDS 039 ✓	254 229	< 5	< 0.2	6	< 2	3	1	< 1	6	< 2	18	< 0.1			
94BDS 040 ✓	254 229	< 5	< 0.2	22	< 2	16	< 1	1	20	2	64	< 0.1			
94BDS 041 ✓	254 229	5	< 0.2	6	< 2	1	< 1	< 1	12	< 2	14	< 0.1			
94BDS 042 ✓	254 229	< 5	< 0.2	12	< 2	6	< 1	< 1	14	< 2	32	< 0.1			
94BDS 043 ✓	254 229	15	< 0.2	2	< 2	4	< 1	< 1	12	2	16	< 0.1			
94BDS 044 ✓	254 229	10	< 0.2	32	< 2	37	< 1	< 1	30	< 2	76	< 0.1			
94BDS 045 ✓	254 229	< 5	< 0.2	22	< 2	4	< 1	< 1	16	4	34	< 0.1			
94BDS 046 ✓	254 229	< 5	< 0.2	16	< 2	16	< 1	< 1	16	< 2	56	< 0.1			
94BDS 047 ✓	254 229	< 5	< 0.2	16	< 2	16	< 1	< 1	24	< 2	58	< 0.1			
94BDS 048 ✓	254 229	< 5	< 0.2	16	< 2	13	< 1	< 1	26	< 2	74	< 0.1			
94BDS 049 ✓	254 229	< 5	< 0.2	32	< 2	27	< 1	< 1	24	4	64	< 0.1			
94BDS 050 ✓	254 229	25	< 0.2	32	< 2	19	< 1	< 1	18	2	44	< 0.1			
94BDS 051 ✓	254 229	< 5	< 0.2	14	< 2	8	< 1	< 1	12	< 2	20	< 0.1			
94BDS 052 ✓	254 229	< 5	< 0.2	42	< 2	21	< 1	< 1	24	< 2	54	< 0.1			
94BDS 053 ✓	254 229	110	< 0.2	46	< 2	38	< 1	< 1	44	4	74	< 0.1			
94BDS 054 ✓	254 229	< 5	< 0.2	8	< 2	6	1	< 1	16	< 2	40	< 0.1			
94BDS 055 ✓	254 229	< 5	< 0.2	56	2	32	< 1	< 1	28	< 2	72	< 0.1			
94BDS 056 ✓	254 229	< 5	< 0.2	52	< 2	29	< 1	< 1	26	< 2	72	0.1			
94BDS 057 ✓	254 229	< 5	< 0.2	38	< 2	2	< 1	< 1	4	< 2	4	< 0.1			
94BDS 058 ✓	254 229	< 5	< 0.2	16	< 2	6	< 1	< 1	16	< 2	24	< 0.1			
94BDS 059 ✓	254 229	25	< 0.2	74	< 2	4	1	< 1	16	< 2	34	< 0.1			
94BDS 060 ✓	254 229	< 5	< 0.2	18	< 2	22	< 1	< 1	102	< 2	114	< 0.1			
94BDS 061 ✓	254 229	< 5	< 0.2	12	< 2	13	< 1	< 1	34	2	72	< 0.1			
94BDS 062 ✓	254 229	< 5	< 0.2	4	< 2	11	< 1	< 1	34	< 2	88	< 0.1			
94BDS 063 ✓	254 229	< 5	< 0.2	12	< 2	16	< 1	< 1	94	< 2	190	< 0.1			
94BDS 064 ✓	254 229	< 5	< 0.2	8	< 2	10	< 1	< 1	94	< 2	108	< 0.1			
94BDS 065 ✓	254 229	< 5	< 0.2	12	< 2	10	< 1	< 1	20	< 2	60	< 0.1			
94BDS 066 ✓	254 229	< 5	< 0.2	34	< 2	38	< 1	< 1	92	4	196	< 0.1			
94BDS 067 ✓	254 229	< 5	< 0.2	2	< 2	8	< 1	< 1	18	< 2	108	< 0.1			
94BDS 068 ✓	254 229	< 5	< 0.2	2	< 2	12	< 1	< 1	16	< 2	84	< 0.1			
94BDS 069 ✓	254 229	< 5	< 0.2	2	< 2	10	< 1	1	28	2	124	< 0.1			
94BDS 070 ✓	254 229	< 5	< 0.2	2	< 2	15	< 1	2	44	< 2	124	< 0.1			
94BDS 071 ✓	254 229	< 5	< 0.2	10	< 2	14	1	1	30	4	98	< 0.1			

CERTIFICATION:

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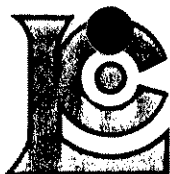
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## CERTIFICATE OF ANALYSIS A9422723

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94BDS 072	254 229	< 5	< 0.2	12	< 2	28	< 1	1	34	4	134	< 0.1			
94BDS 073	254 229	< 5	< 0.2	14	< 2	24	< 1	2	36	< 2	156	< 0.1			
94BDS 074	254 229	< 5	0.2	18	< 2	28	< 1	2	60	4	166	< 0.1			
94BDS 075	254 229	5	< 0.2	18	< 2	37	< 1	1	42	< 2	148	< 0.1			
94BDS 076	254 229	< 5	< 0.2	12	< 2	28	< 1	1	34	< 2	118	< 0.1			
94BDS 077	254 229	< 5	< 0.2	16	< 2	25	< 1	1	34	< 2	126	< 0.1			
94BDS 078	254 229	< 5	< 0.2	8	< 2	25	< 1	1	30	2	116	< 0.1			
94BDS 079	254 229	< 5	0.2	12	< 2	26	< 1	1	22	2	214	< 0.1			
94BDS 080	254 229	< 5	< 0.2	22	< 2	29	< 1	1	28	2	190	< 0.1			
94DHS 064	254 229	< 5	0.2	16	< 2	22	< 1	< 1	30	< 2	112	< 0.1			
94DHS 065	254 229	< 5	< 0.2	20	< 2	20	< 1	< 1	54	< 2	104	< 0.1			
94DHS 066	254 229	< 5	< 0.2	8	< 2	20	< 1	< 1	88	< 2	124	< 0.1			
94DHS 067	254 229	< 5	< 0.2	18	< 2	8	< 1	< 1	32	< 2	156	< 0.1			
94DHS 068	254 229	< 5	< 0.2	12	< 2	10	< 1	< 1	16	2	98	< 0.1			
94DHS 069	254 229	< 5	< 0.2	8	< 2	11	< 1	2	22	< 2	102	< 0.1			
94DHS 070	254 229	< 5	< 0.2	4	< 2	19	< 1	3	28	2	170	< 0.1			
94DHS 071	254 229	< 5	0.4	8	< 2	33	< 1	1	38	2	152	< 0.1			
94DHS 072	254 229	< 5	< 0.2	14	< 2	36	< 1	1	44	2	130	< 0.1			
94DHS 073	254 229	< 5	< 0.2	12	< 2	32	< 1	2	122	< 2	138	< 0.1			
94DHS 074	254 229	< 5	< 0.2	8	< 2	17	< 1	6	14	< 2	124	< 0.1			
94DHS 075	254 229	< 5	< 0.2	16	< 2	25	< 1	1	24	< 2	164	< 0.1			
94DHS 076	254 229	< 5	< 0.2	22	< 2	27	< 1	< 1	44	< 2	120	< 0.1			
94DHS 077	254 229	< 5	< 0.2	32	< 2	18	< 1	1	30	2	110	< 0.1			
94DHS 078	254 229	< 5	< 0.2	24	< 2	19	1	2	12	2	116	< 0.1			
94DHS 079	254 229	< 5	< 0.2	30	< 2	29	< 1	1	28	6	126	< 0.1			
94DHS 080	254 229	35	1.2	104	< 2	20	< 1	1	24	4	52	< 0.1			
94DHS 081	254 229	< 5	0.4	66	< 2	30	< 1	< 1	30	6	88	< 0.1			
94DHS 082	254 229	< 5	< 0.2	14	< 2	13	< 1	< 1	16	< 2	48	< 0.1			
94DHS 083	254 229	< 5	< 0.2	22	< 2	23	< 1	< 1	12	2	44	< 0.1			
94DHS 084	254 229	< 5	< 0.2	10	< 2	18	< 1	< 1	14	< 2	46	< 0.1			
94DHS 085	254 229	< 5	< 0.2	2	< 2	7	< 1	< 1	8	< 2	18	< 0.1			
94DHS 086	254 229	< 5	< 0.2	8	< 2	13	< 1	< 1	12	< 2	26	< 0.1			
94DHS 087	254 229	< 5	< 0.2	2	< 2	4	< 1	< 1	8	< 2	8	< 0.1			
94DHS 088	254 229	< 5	< 0.2	4	< 2	5	< 1	< 1	6	< 2	10	< 0.1			
94DHS 089	254 229	< 5	< 0.2	14	< 2	12	< 1	< 1	4	< 2	16	< 0.1			
94DHS 090	254 229	< 5	< 0.2	2	< 2	12	1	< 1	8	< 2	14	< 0.1			
94DHS 091	254 229	< 5	< 0.2	10	< 2	22	< 1	< 1	8	< 2	60	< 0.1			
94DHS 092	254 229	< 5	< 0.2	34	< 2	25	1	< 1	22	2	60	< 0.1			
94DHS 093	254 229	< 5	< 0.2	18	< 2	36	< 1	< 1	22	< 2	98	< 0.1			
94DHS 094	254 229	< 5	< 0.2	18	< 2	27	< 1	< 1	24	8	58	< 0.1			

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*[Handwritten Signature]*



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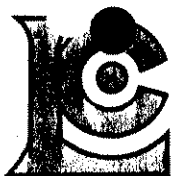
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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94AHR 141	205 294	< 5	< 0.2	8	< 2	9	< 1	< 1	8	< 2	62	< 0.1			
94DPR 116	205 294	< 5	< 0.2	2	4	16	< 1	4	12	2	28	< 0.1			
94TTR 033	205 294	< 5	< 0.2	32	< 2	6	< 1	< 1	4	< 2	6	< 0.1			
94TTR 034	205 294	< 5	< 0.2	< 2	4	21	< 1	< 1	16	2	50	< 0.1			
94TTR 035	205 294	< 5	< 0.2	254	< 2	28	< 1	< 1	12	12	214	< 0.1			
94TTR 036	205 294	< 5	< 0.2	42	< 2	14	< 1	< 1	< 2	14	160	< 0.1			
94TTR 037	205 294	< 5	< 0.2	22	< 2	25	< 1	< 1	< 2	22	310	< 0.1			
94VPR 084	205 294	< 5	< 0.2	12	< 2	14	1	< 1	4	2	70	< 0.1			

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*Yhai J Ma*



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Project: HYLAND  
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Page Number: 1  
Total Pages: 1  
Certificate Date: 23-AUG-94  
Invoice No.: I9422735  
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Account: GP

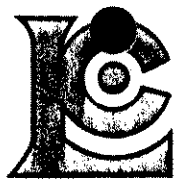
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### A9422735

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94AHV036A ✓	254 229	25	0.6	358	12	36	< 1	2	46	4	120	< 0.1			
94BDL 081 ✓	254 229	5	0.8	110	< 2	39	< 1	2	68	6	214	< 0.1			
94DPV 085 ✓	254 229	25	0.6	368	2	38	< 1	< 1	70	4	130	< 0.1			
94DPV 087 ✓	254 229	< 5	0.2	94	< 2	35	< 1	< 1	46	2	102	< 0.1			
94DPV 088 ✓	254 229	< 5	0.4	92	< 2	34	< 1	< 1	50	2	104	< 0.1			
94DPV 089 ✓	254 229	< 5	0.2	104	< 2	35	< 1	< 1	48	2	100	< 0.1			
94DPV 090 ✓	254 229	< 5	0.4	114	< 2	36	< 1	< 1	46	2	102	< 0.1			
94DPV 091 ✓	254 229	< 5	0.2	132	2	31	< 1	1	42	4	108	< 0.1			
94DPV 092 ✓	254 229	< 5	0.2	110	2	39	< 1	1	52	2	104	< 0.1			
94DPV 093 ✓	254 229	< 5	0.4	98	2	40	< 1	< 1	48	4	104	< 0.1			
94DPV 094 ✓	254 229	< 5	0.4	40	< 2	37	< 1	< 1	32	2	100	< 0.1			
94DPV 095 ✓	254 229	< 5	0.4	100	< 2	45	< 1	1	52	4	106	< 0.1			
94DPV 096 ✓	254 229	35	0.4	98	< 2	52	< 1	1	56	4	114	< 0.1			
94DPV 097 ✓	254 229	5	0.6	122	6	63	< 1	< 1	64	4	112	< 0.1			
94DPV 098 ✓	254 229	< 5	0.4	78	< 2	31	< 1	1	46	4	134	< 0.1			
94ERV 058 ✓	254 229	< 5	0.2	94	< 2	30	< 1	< 1	48	2	146	< 0.1			
94ERV 065 ✓	254 229	< 5	0.4	38	< 2	33	< 1	3	38	2	180	< 0.1			
94ERV 066 ✓	254 229	< 5	0.6	106	< 2	42	< 1	4	74	4	228	< 0.1			
94VPV 062 ✓	254 229	< 5	0.2	18	< 2	29	< 1	1	18	2	94	< 0.1			
94VPV 063 ✓	254 229	55	0.2	38	4	33	< 1	1	16	2	90	< 0.1			
94VPV 064 ✓	254 229	< 5	0.4	54	6	28	< 1	1	18	2	88	< 0.1			
94VPV 065 ✓	254 229	15	0.4	66	4	29	< 1	1	20	2	92	< 0.1			
94VPV 066 ✓	254 229	< 5	0.4	80	2	33	< 1	< 1	26	2	120	< 0.1			
94VPV 067 ✓	254 229	< 5	0.4	30	< 2	30	< 1	1	24	2	98	< 0.1			
94VPV 069 ✓	254 229	< 5	0.4	44	< 2	38	< 1	2	18	2	98	< 0.1			
94YTV 033 ✓	254 229	< 5	0.4	10	< 2	22	< 1	1	14	2	112	< 0.1			
94YTV 034 ✓	254 229	< 5	0.4	6	< 2	27	< 1	1	20	2	132	< 0.1			

CERTIFICATION:

*Hart Buchler*



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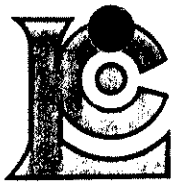
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 Invoice No. : 19423327  
 P.O. Number :  
 Account : GP

## CERTIFICATE OF ANALYSIS A9423327

SAMPLE	PREP CODE	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
94DHR 1	244 229	< 0.2	2	< 2	10	1	< 1	< 2	< 2	4
94DHR 002	244 229	< 0.2	4	< 2	16	2	1	4	< 2	14
94DPR 004	244 229	< 0.2	10	< 2	4	< 1	3	2	< 2	18
94DPR 005	244 229	< 0.2	2	< 2	8	< 1	1	6	< 2	46
94DPR 006	244 229	< 0.2	< 2	< 2	26	< 1	1	14	< 2	22
94DPR 008	244 229	< 0.2	150	12	9	< 1	1	12	< 2	12
94DPR 009	244 229	< 0.2	6	< 2	6	< 1	1	< 2	2	38
94DPR 011	244 229	< 0.2	2	< 2	14	< 1	< 1	8	< 2	18
94DPR 044	244 229	< 0.2	2	< 2	7	< 1	2	8	< 2	38
94ERR 001	244 229	< 0.2	6	< 2	15	< 1	< 1	8	< 2	42
94VPR 001	244 229	< 0.2	< 2	< 2	11	< 1	< 1	6	< 2	30
94VPR 005	244 229	< 0.2	286	< 2	4	< 1	< 1	2	< 2	2
94VPR 007	244 229	< 0.2	< 2	< 2	4	1	1	6	< 2	24
94VPR 008	244 229	< 0.2	< 2	< 2	9	< 1	< 1	18	< 2	20
94VPR 009	244 229	< 0.2	< 2	< 2	38	< 1	1	30	< 2	90
94VPR 010	244 229	< 0.2	< 2	< 2	15	< 1	1	2	< 2	20
94VPR 011	244 229	< 0.2	8	< 2	6	1	1	4	< 2	20
94TTR 000	244 229	< 0.2	2	< 2	2	< 1	1	< 2	< 2	14
94TTR 001	244 229	< 0.2	254	< 2	8	< 1	1	4	< 2	12
94TTR 002	244 229	< 0.2	960	12	93	< 1	1	4	6	30
94TTR 003	244 229	< 0.2	18	< 2	6	< 1	1	4	< 2	20
94TTR 004	244 229	< 0.2	14	< 2	13	< 1	1	6	< 2	64
94TTR 005	244 229	< 0.2	12	< 2	21	1	1	8	< 2	20
94TTR 006	244 229	< 0.2	18	< 2	50	1	1	< 2	< 2	18
94TTR 007	244 229	0.2	< 2	< 2	12	< 1	1	< 2	< 2	148
94TTR 008	244 229	< 0.2	110	< 2	8	< 1	1	2	< 2	4
94TTR 009	244 229	< 0.2	< 2	< 2	8	< 1	< 1	4	< 2	12
94TTR 010	244 229	< 0.2	< 2	< 2	9	2	< 1	4	< 2	2
94TTR 011	244 229	< 0.2	126	< 2	8	< 1	1	8	< 2	24

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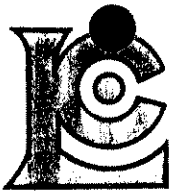
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Account : GP

Project : HYLAND  
Comments: ATTN: T. TUCKER CC: HARLAN MEADE

## CERTIFICATE OF ANALYSIS A9423511

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94TTS 031	254 202	< 5	< 0.2	< 2	< 2	47	< 1	< 1	44	2	90	< 0.1			
94TTS 032	254 202	< 5	< 0.2	126	< 2	41	< 1	< 1	6	12	144	< 0.1			
94TTS 033	254 202	< 5	< 0.2	76	< 2	32	< 1	< 1	< 2	16	96	< 0.1			
94TTS 034	254 202	< 5	< 0.2	130	< 2	24	< 1	< 1	< 2	18	146	< 0.1			
94VPS 112	254 202	< 5	< 0.2	34	< 2	29	< 1	< 1	28	14	396	< 0.1			

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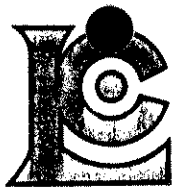
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Project : HYLAND  
Comments: ATTN: T. TUCKER CC: HARLAN MEADE

## CERTIFICATE OF ANALYSIS A9423420

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94 ERR-110	205 226	< 5	1.0	30	< 2	15	< 1	8	14	4	76	0.2			
94 VPR-118	205 226	< 5	0.2	396	< 2	19	< 1	< 1	38	< 2	6	0.2			

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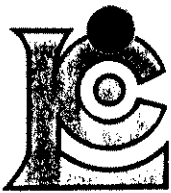
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 P.O. Number : 6405  
 Account : GP

Project : HYLAND  
 Comments: ATTN: T. TUCKER CC: HARLAN MEADE

## CERTIFICATE OF ANALYSIS A9423509

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94AHV 114	254 202	< 5	< 0.2	30	< 2	30	< 1	1	42	2	114	< 0.1			
94AHV 115	254 202	< 5	< 0.2	52	< 2	48	< 1	< 1	34	4	96	< 0.1			
94AHV 116	254 202	15	< 0.2	70	< 2	53	< 1	< 1	42	2	124	0.1			
94AHV 117	254 202	40	< 0.2	16	< 2	34	< 1	1	38	2	110	< 0.1			
94AHV 118	254 202	30	< 0.2	36	< 2	31	< 1	1	34	2	92	< 0.1			
94AHV 119	254 202	< 5	< 0.2	68	< 2	33	< 1	1	34	< 2	106	< 0.1			
94AHV 120	254 202	< 5	< 0.2	78	< 2	20	< 1	< 1	26	< 2	102	< 0.1			
94AHV 121	254 202	10	< 0.2	86	< 2	47	< 1	1	42	4	108	< 0.1			
94AHV 122	254 202	< 5	< 0.2	24	< 2	35	< 1	< 1	28	4	130	< 0.1			
94AHV 123	254 202	< 5	< 0.2	2	< 2	44	< 1	< 1	12	2	58	< 0.1			
94AHV 124	254 202	< 5	< 0.2	48	< 2	35	< 1	1	40	4	104	< 0.1			
94AHV 125	254 202	< 5	< 0.2	< 2	< 2	40	< 1	1	30	< 2	104	< 0.1			
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94AHV 127	254 202	< 5	< 0.2	30	< 2	54	< 1	2	30	4	148	< 0.1			
94AHV 128	254 202	< 5	< 0.2	28	< 2	46	< 1	< 1	28	4	98	< 0.1			
94AHV 129	254 202	< 5	< 0.2	32	< 2	34	< 1	< 1	50	4	84	< 0.1			
94AHV 130	254 202	< 5	< 0.2	94	< 2	30	< 1	< 1	30	4	82	< 0.1			
94AHV 131	254 202	< 5	< 0.2	44	< 2	24	< 1	< 1	40	2	82	< 0.1			
94AHV 132	254 202	< 5	< 0.2	20	< 2	51	< 1	< 1	50	2	126	< 0.1			
94AHV 133	254 202	< 5	< 0.2	62	< 2	30	< 1	< 1	28	2	94	< 0.1			
94AHV 134	254 202	< 5	< 0.2	26	< 2	33	1	< 1	30	2	104	< 0.1			
94AHV 135	254 202	< 5	< 0.2	22	< 2	57	1	< 1	56	4	92	< 0.1			
94AHV 136	254 202	< 5	< 0.2	12	< 2	111	< 1	1	36	2	78	< 0.1			
94AHV 137	254 202	< 5	< 0.2	10	< 2	39	< 1	< 1	36	4	82	< 0.1			
94AHV 138	254 202	< 5	< 0.2	8	< 2	39	< 1	< 1	32	< 2	84	< 0.1			
94AHV 139	254 202	< 5	< 0.2	22	< 2	27	< 1	< 1	28	2	82	< 0.1			
94AHV 140	254 202	< 5	< 0.2	38	< 2	45	< 1	1	38	< 2	92	< 0.1			
94ERV 069	254 202	< 5	< 0.2	80	< 2	30	< 1	1	42	2	122	< 0.1			
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94ERV 071	254 202	< 5	< 0.2	60	< 2	39	< 1	12	42	4	362	0.1			
94ERV 072	254 202	< 5	< 0.2	6	< 2	9	< 1	< 1	8	2	32	< 0.1			
94ERV 073	254 202	< 5	< 0.2	104	< 2	40	< 1	< 1	38	2	176	< 0.1			
94ERV 074	254 202	< 5	< 0.2	26	< 2	15	< 1	< 1	18	2	60	< 0.1			
94ERV 075	254 202	< 5	0.2	108	< 2	71	< 1	< 1	106	4	1260	< 0.1			
94ERV 076	254 202	< 5	< 0.2	< 2	< 2	8	< 1	< 1	10	< 2	38	< 0.1			
94ERV 077	254 202	< 5	< 0.2	44	< 2	28	< 1	< 1	36	2	286	< 0.1			
94ERV 078	254 202	< 5	< 0.2	18	< 2	60	< 1	2	50	< 2	202	< 0.1			
94ERV 079	254 202	< 5	< 0.2	20	< 2	69	< 1	2	46	4	490	< 0.1			
94ERV 080	254 202	< 5	< 0.2	12	< 2	85	< 1	2	42	< 2	368	< 0.1			
94ERV 081	254 202	< 5	< 0.2	24	< 2	131	< 1	1	44	< 2	370	< 0.1			

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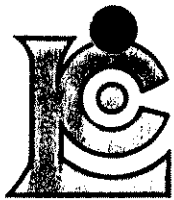
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94ERV 083	254 202	< 5	< 0.2	62	< 2	42	< 1	< 1	30	4	108	< 0.1			
94ERV 084	254 202	< 5	< 0.2	68	< 2	24	< 1	< 1	26	2	88	< 0.1			
94ERV 085	254 202	< 5	< 0.2	54	< 2	59	< 1	1	40	< 2	250	< 0.1			
94ERV 086	254 202	< 5	< 0.2	104	< 2	40	< 1	< 1	26	< 2	100	< 0.1			
94ERV 087	254 202	< 5	< 0.2	28	< 2	86	< 1	1	46	4	126	< 0.1			
94ERV 088	254 202	< 5	< 0.2	20	< 2	60	< 1	1	40	4	102	0.1			
94ERV 089	254 202	< 5	< 0.2	54	< 2	59	< 1	1	26	2	278	< 0.1			
94ERV 090	254 202	< 5	< 0.2	52	< 2	62	< 1	1	26	2	388	< 0.1			
94ERV 091	254 202	< 5	< 0.2	108	< 2	94	< 1	1	40	2	652	< 0.1			
94ERV 092	254 202	25	< 0.2	88	< 2	59	< 1	1	28	2	362	< 0.1			
94ERV 093	254 202	< 5	< 0.2	84	< 2	18	1	< 1	22	< 2	98	0.1			
94ERV 094	254 202	< 5	< 0.2	34	< 2	31	< 1	< 1	36	< 2	98	0.1			
94ERV 095	254 202	< 5	< 0.2	30	< 2	28	< 1	1	28	4	92	< 0.1			
94ERV 096	254 202	< 5	< 0.2	12	< 2	35	< 1	< 1	40	4	90	< 0.1			
94ERV 097	254 202	< 5	< 0.2	16	< 2	44	< 1	< 1	54	2	104	< 0.1			
94ERV 098	254 202	< 5	< 0.2	6	< 2	45	1	< 1	52	2	104	0.1			
94ERV 099	254 202	< 5	< 0.2	12	< 2	50	< 1	< 1	34	< 2	62	0.1			
94ERV 100	254 202	< 5	< 0.2	8	< 2	43	< 1	< 1	36	< 2	84	< 0.1			
94ERV 101	254 202	< 5	< 0.2	6	< 2	37	< 1	< 1	34	4	86	< 0.1			
94ERV 102	254 202	< 5	< 0.2	2	< 2	29	1	< 1	32	2	92	< 0.1			
94ERV 103	254 202	< 5	< 0.2	8	< 2	40	< 1	< 1	34	4	98	< 0.1			
94ERV 104	254 202	45	< 0.2	22	< 2	32	< 1	< 1	28	4	148	< 0.1			
94YTV 035	254 202	< 5	< 0.2	156	< 2	77	< 1	8	38	< 2	274	< 0.1			
94YTV 036	254 202	< 5	< 0.2	14	< 2	50	< 1	2	28	2	154	< 0.1			
94YTV 037	254 202	< 5	< 0.2	26	< 2	99	< 1	3	192	4	352	< 0.1			
94YTV 038	254 202	< 5	0.4	54	< 2	82	< 1	3	346	< 2	316	< 0.1			
94YTV 039	254 202	< 5	< 0.2	16	< 2	43	< 1	1	26	2	124	< 0.1			
94YTV 040	254 202	< 5	< 0.2	12	< 2	55	< 1	< 1	30	2	132	< 0.1			
94YTV 041	254 202	< 5	< 0.2	26	< 2	107	< 1	3	20	4	90	< 0.1			
94YTV 042	254 202	< 5	< 0.2	18	< 2	35	< 1	1	48	6	152	< 0.1			
94YTV 043	254 202	< 5	< 0.2	68	< 2	159	< 1	1	34	4	162	< 0.1			
94YTV 044	254 202	< 5	< 0.2	36	< 2	42	1	2	56	< 2	158	< 0.1			
94YTV 045	254 202	< 5	< 0.2	18	< 2	51	< 1	1	34	2	114	< 0.1			
94YTV 046	254 202	< 5	< 0.2	22	< 2	20	1	< 1	46	< 2	86	< 0.1			
94YTV 047	254 202	< 5	< 0.2	54	< 2	30	< 1	< 1	26	2	80	< 0.1			
94YTV 048	254 202	< 5	< 0.2	214	< 2	21	< 1	< 1	22	2	86	< 0.1			
94YTV 049	254 202	50	< 0.2	118	< 2	36	1	< 1	32	2	86	< 0.1			
94YTV 050	254 202	20	< 0.2	148	< 2	25	< 1	< 1	28	2	98	< 0.1			
94YTV 051	254 202	< 5	< 0.2	300	< 2	66	1	1	30	4	550	< 0.1			

CERTIFICATION:

*Phai J Ma*



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Project: HYLAND  
 Comments: ATTN: T. TUCKER CC: HARLAN MEADE

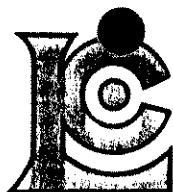
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 Invoice No.: 19423509  
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94YTV 052	254 202	10	< 0.2	322	< 2	32	< 1	< 1	28	2	106	< 0.1			
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94YTV 054	254 202	< 5	< 0.2	36	< 2	30	< 1	< 1	32	< 2	116	< 0.1			
94YTV 055	254 202	< 5	< 0.2	24	< 2	30	< 1	< 1	32	4	86	< 0.1			
94YTV 056	254 202	< 5	< 0.2	22	< 2	36	< 1	< 1	34	4	82	< 0.1			
94DPV 106	254 202	< 5	< 0.2	8	< 2	63	< 1	4	26	8	122	< 0.1			
94DPV 107	254 202	< 5	< 0.2	2	< 2	34	< 1	1	18	2	148	< 0.1			
94DPV 108	254 202	< 5	< 0.2	24	< 2	52	1	6	62	2	160	< 0.1			
94DPV 109	254 202	< 5	< 0.2	8	2	61	< 1	1	52	2	226	< 0.1			
94DPV 110	254 202	< 5	< 0.2	< 2	< 2	54	1	1	36	< 2	262	< 0.1			
94DPV 111	254 202	< 5	< 0.2	6	< 2	50	< 1	1	36	< 2	198	< 0.1			
94DPV 112	254 202	< 5	< 0.2	4	< 2	51	< 1	1	28	6	132	< 0.1			
94DPV 113	254 202	< 5	< 0.2	8	< 2	58	< 1	1	52	2	146	< 0.1			
94DPV 114	254 202	< 5	< 0.2	16	< 2	61	< 1	1	36	< 2	124	< 0.1			
94DPV 115	254 202	< 5	< 0.2	2	< 2	12	< 1	< 1	12	< 2	40	< 0.1			
94DPV 118	254 202	< 5	< 0.2	16	< 2	42	< 1	< 1	32	2	100	< 0.1			
94DPV 119	254 202	< 5	< 0.2	46	< 2	33	< 1	< 1	36	2	90	< 0.1			
94DPV 120	254 202	< 5	< 0.2	10	< 2	42	< 1	< 1	40	2	126	< 0.1			
94DPV 121	254 202	< 5	< 0.2	78	< 2	42	< 1	< 1	46	2	126	< 0.1			
94DPV 122	254 202	< 5	< 0.2	36	< 2	33	< 1	< 1	34	2	112	< 0.1			
94DPV 123	254 202	< 5	< 0.2	58	< 2	34	< 1	1	30	< 2	84	< 0.1			
94DPL 124	254 202	< 5	< 0.2	1010	< 2	3	1	< 1	14	12	54	< 0.1			
94DPV 125	254 202	< 5	< 0.2	90	< 2	28	1	< 1	22	2	114	< 0.1			
94DPV 126	254 202	< 5	< 0.2	42	< 2	44	< 1	< 1	32	< 2	98	< 0.1			
94DPV 127	254 202	< 5	< 0.2	200	< 2	43	< 1	< 1	44	2	104	< 0.1			
94DPV 128	254 202	< 5	< 0.2	14	< 2	59	< 1	< 1	30	4	68	< 0.1			
94DPV 129	254 202	< 5	< 0.2	12	< 2	42	< 1	< 1	38	4	74	< 0.1			
94DPV 130	254 202	< 5	< 0.2	8	< 2	31	< 1	< 1	32	< 2	90	< 0.1			
94DPV 131	254 202	< 5	< 0.2	38	< 2	43	< 1	< 1	32	2	86	< 0.1			
94DPV 132	254 202	< 5	< 0.2	8	< 2	33	1	< 1	26	4	88	0.1			
94DPV 133	254 202	< 5	< 0.2	152	< 2	44	< 1	< 1	38	2	94	< 0.1			
94DPV 134	254 202	< 5	< 0.2	20	< 2	30	1	< 1	36	4	72	< 0.1			
94DPV 135	254 202	< 5	< 0.2	12	< 2	35	< 1	1	40	4	84	< 0.1			
94DPV 136	254 202	< 5	< 0.2	54	2	30	< 1	< 1	24	< 2	96	< 0.1			
94DPV 137	254 202	< 5	< 0.2	30	< 2	33	1	< 1	30	2	86	< 0.1			
94DPV 138	254 202	< 5	< 0.2	8	< 2	23	< 1	< 1	22	2	92	< 0.1			
94DPV 139	254 202	< 5	< 0.2	16	< 2	38	< 1	< 1	28	2	90	< 0.1			
94DPV 140	254 202	< 5	< 0.2	24	< 2	42	1	< 1	34	2	94	< 0.1			
94DPV 141	254 202	< 5	< 0.2	42	2	36	< 1	< 1	38	< 2	98	< 0.1			
94DPV 142	254 202	< 5	< 0.2	30	< 2	57	< 1	< 1	36	4	116	< 0.1			

CERTIFICATION:

*Yhai D Ma*



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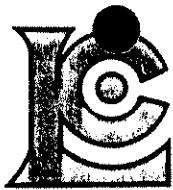
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 Invoice No.: I9423509  
 P.O. Number: 6405  
 Account: GP

## CERTIFICATE OF ANALYSIS A9423509

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94DPV 143	254	202	< 5	< 0.2	4	< 2	25	< 1	< 1	22	2	78	< 0.1			
94DPV 144	254	202	< 5	< 0.2	6	< 2	30	< 1	< 1	26	2	84	< 0.1			
94DPV 145	254	202	< 5	< 0.2	18	< 2	41	< 1	< 1	34	< 2	84	< 0.1			
94DPV 146	254	202	< 5	< 0.2	12	< 2	34	< 1	< 1	28	< 2	82	< 0.1			
94DPV 147	254	202	< 5	< 0.2	16	< 2	34	< 1	< 1	22	< 2	80	< 0.1			
94DPV 148	254	202	< 5	< 0.2	26	< 2	40	1	< 1	22	< 2	84	< 0.1			
94DPV 149	254	202	< 5	< 0.2	6	< 2	38	< 1	< 1	30	2	86	< 0.1			
94DHV 140	254	202	< 5	< 0.2	190	< 2	35	< 1	< 1	40	2	98	< 0.1			
94DHV 141	254	202	< 5	< 0.2	44	< 2	36	< 1	< 1	42	2	94	< 0.1			
94DHV 142	254	202	< 5	< 0.2	114	< 2	55	< 1	< 1	58	< 2	126	< 0.1			
94DHV 143	254	202	< 5	< 0.2	26	< 2	41	< 1	< 1	46	4	112	< 0.1			
94DHV 144	254	202	< 5	< 0.2	194	< 2	38	1	< 1	58	2	198	< 0.1			
94DHV 145	254	202	< 5	< 0.2	46	< 2	39	< 1	< 1	38	4	190	< 0.1			
94DHV 146	254	202	< 5	0.4	244	< 2	141	< 1	1	50	8	272	< 0.1			
94DHV 147	254	202	< 5	< 0.2	112	< 2	127	1	1	74	< 2	208	0.1			
94DHV 148	254	202	< 5	0.4	68	< 2	24	1	< 1	16	4	62	< 0.1			
94DHV 149	254	202	< 5	1.2	70	< 2	27	< 1	1	18	4	72	< 0.1			
94DHV 150	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
94DHV 151	--	--	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
94DHV 152	254	202	< 5	0.2	136	2	107	< 1	2	58	< 2	130	< 0.1			
94DHV 153	254	202	< 5	0.2	238	< 2	61	< 1	1	48	4	108	< 0.1			
94DHV 154	254	202	< 5	0.2	216	< 2	245	< 1	4	62	4	654	< 0.1			
94DHV 166	254	202	< 5	< 0.2	2	< 2	51	< 1	< 1	30	2	96	< 0.1			
94DHV 167	254	202	< 5	< 0.2	8	< 2	45	< 1	< 1	36	2	96	< 0.1			
94DHV 168	254	202	< 5	< 0.2	14	2	44	1	< 1	34	2	100	< 0.1			
94DHV 169	254	202	< 5	< 0.2	2	< 2	78	< 1	< 1	18	4	82	0.1			
94DHV 170	254	202	< 5	< 0.2	< 2	< 2	35	< 1	< 1	14	2	100	< 0.1			
94DHV 171	254	202	< 5	< 0.2	6	< 2	52	< 1	< 1	22	< 2	94	< 0.1			
94DHV 172	254	202	< 5	< 0.2	6	< 2	55	< 1	< 1	26	4	94	< 0.1			
94BDV 082	254	202	< 5	< 0.2	4	< 2	28	< 1	< 1	26	2	88	< 0.1			
94BDV 083	254	202	< 5	< 0.2	2	< 2	37	1	< 1	28	4	80	< 0.1			
94BDV 084	254	202	< 5	< 0.2	26	< 2	66	1	< 1	46	2	90	< 0.1			
94BDV 085	254	202	< 5	< 0.2	22	< 2	60	< 1	1	46	2	104	< 0.1			
94BDV 086	254	202	< 5	< 0.2	18	< 2	62	< 1	1	54	< 2	94	< 0.1			
94BDV 087	254	202	< 5	< 0.2	8	< 2	36	< 1	< 1	30	2	98	< 0.1			
94BDV 088	254	202	< 5	< 0.2	8	< 2	51	< 1	< 1	38	2	100	< 0.1			
94BDV 089	254	202	< 5	< 0.2	8	< 2	37	< 1	1	32	2	88	< 0.1			
94BDV 090	254	202	< 5	< 0.2	18	< 2	45	< 1	< 1	52	2	100	< 0.1			
94BDV 091	254	202	< 5	< 0.2	10	< 2	48	< 1	< 1	52	2	110	< 0.1			
94BDV 092	254	202	< 5	< 0.2	12	< 2	50	< 1	< 1	46	4	106	< 0.1			

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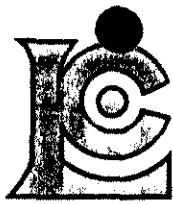
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 Certificate Date: 01-SEP-94  
 Invoice No. : I9423509  
 P.O. Number : 6405  
 Account : GP

## CERTIFICATE OF ANALYSIS A9423509

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94BDV 093	254 202	< 5	< 0.2	18	< 2	37	< 1	< 1	30	2	94	< 0.1			
94BDV 094	254 202	< 5	< 0.2	8	< 2	33	< 1	1	28	< 2	102	< 0.1			
94BDV 095	254 202	< 5	< 0.2	36	< 2	33	< 1	< 1	28	2	100	< 0.1			
94BDV 096	254 202	< 5	< 0.2	14	4	39	< 1	< 1	34	< 2	106	< 0.1			
94BDV 097	254 202	< 5	< 0.2	2	< 2	38	< 1	< 1	22	2	112	< 0.1			
94VPV 072	254 202	< 5	< 0.2	94	< 2	37	< 1	< 1	34	4	136	< 0.1			
94VPV 073	254 202	< 5	< 0.2	118	< 2	40	< 1	< 1	34	2	104	< 0.1			
94VPV 074	254 202	< 5	< 0.2	4	< 2	17	< 1	< 1	16	4	64	< 0.1			
94VPV 075	254 202	< 5	< 0.2	40	< 2	33	< 1	< 1	38	< 2	128	< 0.1			
94VPV 076	254 202	< 5	< 0.2	160	< 2	38	< 1	< 1	32	2	214	< 0.1			
94VPV 077	254 202	< 5	< 0.2	200	< 2	39	< 1	1	28	6	182	< 0.1			
94VPV 078	254 202	< 5	< 0.2	56	4	28	< 1	< 1	30	2	116	< 0.1			
94VPV 079	254 202	< 5	1.2	70	4	138	< 1	12	172	4	1150	< 0.1			
94VPV 080	254 202	< 5	< 0.2	24	< 2	62	< 1	7	40	2	528	< 0.1			
94VPV 081	254 202	< 5	0.4	30	4	78	< 1	12	28	4	862	< 0.1			
94VPV 082	254 202	< 5	0.4	30	< 2	68	< 1	8	66	4	750	< 0.1			
94VPV 083	254 202	< 5	0.2	30	< 2	78	< 1	7	60	4	720	< 0.1			
94VPV 085	254 202	< 5	0.6	34	2	93	< 1	11	60	6	1065	< 0.1			
94VPV 086	254 202	< 5	< 0.2	6	< 2	25	< 1	< 1	18	2	90	< 0.1			
94VPV 087	254 202	< 5	0.4	6	< 2	95	< 1	2	28	< 2	356	< 0.1			
94VPV 088	254 202	< 5	< 0.2	20	< 2	37	< 1	< 1	26	2	210	< 0.1			
94VPV 089	254 202	< 5	< 0.2	32	2	27	< 1	< 1	34	2	98	< 0.1			
94VPV 090	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
94VPV 091	254 202	< 5	< 0.2	32	2	43	< 1	< 1	28	2	124	< 0.1			
94VPV 092	254 202	< 5	< 0.2	30	< 2	49	< 1	1	38	< 2	140	< 0.1			
94VPV 093	254 202	< 5	< 0.2	22	< 2	71	< 1	< 1	34	< 2	370	< 0.1			
94VPV 094	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
94VPV 095	254 202	< 5	< 0.2	20	4	38	< 1	< 1	20	4	118	< 0.1			
94VPV 096	254 202	< 5	< 0.2	6	< 2	31	< 1	< 1	42	2	134	< 0.1			
94VPV 097	254 202	not/ss	2.6	22	< 2	38	< 1	4	26	2	138	< 0.1			
94VPL 090	254 202	< 5	< 0.2	18	< 2	32	< 1	< 1	20	2	94	< 0.1			
94VPV 094	254 202	< 5	< 0.2	14	< 2	33	< 1	< 1	22	2	124	< 0.1			
94DHS 150	254 202	< 5	< 0.2	38	< 2	23	< 1	< 1	2	22	160	< 0.1			
94DHS 151	254 202	< 5	< 0.2	46	< 2	28	< 1	< 1	14	18	162	< 0.1			

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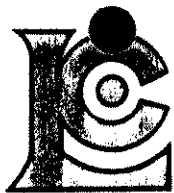
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Project : HYLAND  
 Comments: ATTN: T. TUCKER CC: HARLAN MEADE

## CERTIFICATE OF ANALYSIS A9423510

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94ERV 106	254	202	< 5	< 0.2	28	< 2	72	< 1	< 1	38	2	130	< 0.1			
94ERV 107	254	202	< 5	< 0.2	30	< 2	55	< 1	1	30	4	108	< 0.1			
94ERV 108	254	202	< 5	< 0.2	26	2	44	< 1	< 1	22	2	114	< 0.1			
94ERV 109	254	202	< 5	< 0.2	18	< 2	70	< 1	< 1	20	2	132	< 0.1			
94ERV 111	254	202	< 5	< 0.2	< 2	< 2	269	< 1	2	22	2	286	< 0.1			
94ERV 112	254	202	< 5	< 0.2	20	2	46	1	1	18	2	106	< 0.1			
94ERV 113	254	202	< 5	< 0.2	8	< 2	100	< 1	< 1	22	2	128	< 0.1			
94ERV 114	254	202	< 5	< 0.2	2	< 2	65	< 1	1	6	2	134	< 0.1			
94ERV 115	254	202	< 5	< 0.2	20	< 2	34	< 1	< 1	16	2	88	< 0.1			
94DPV 150	254	202	< 5	< 0.2	20	< 2	42	< 1	< 1	26	2	82	< 0.1			
94DPV 151	254	202	< 5	< 0.2	36	< 2	42	< 1	< 1	16	< 2	66	< 0.1			
94DPV 152	254	202	< 5	< 0.2	26	< 2	47	< 1	1	24	2	98	< 0.1			
94DPV 153	254	202	< 5	< 0.2	14	< 2	36	< 1	< 1	24	2	70	< 0.1			
94DPV 154	254	202	40	< 0.2	38	2	39	1	< 1	20	2	74	< 0.1			
94DPV 155	254	202	15	< 0.2	52	< 2	38	< 1	< 1	26	2	88	< 0.1			
94DPV 156	254	202	< 5	< 0.2	58	< 2	39	< 1	< 1	26	2	96	< 0.1			
94DPV 157	254	202	< 5	< 0.2	24	< 2	42	< 1	< 1	22	2	106	< 0.1			
94DPV 158	254	202	< 5	< 0.2	32	< 2	48	< 1	< 1	28	2	92	< 0.1			
94DPV 159	254	202	< 5	< 0.2	< 2	2	37	< 1	< 1	14	2	106	< 0.1			
94DPV 160	254	202	< 5	< 0.2	34	< 2	52	< 1	< 1	34	4	104	< 0.1			
94DPV 155	254	202	< 5	0.2	148	< 2	131	< 1	< 1	50	2	696	< 0.1			
94DPV 156	254	202	< 5	< 0.2	58	2	42	< 1	1	40	4	102	< 0.1			
94DPV 157	254	202	< 5	< 0.2	12	< 2	45	< 1	1	50	2	96	< 0.1			
94DPV 158	254	202	< 5	< 0.2	34	< 2	39	< 1	< 1	30	4	86	< 0.1			
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94DPV 160	254	202	< 5	< 0.2	10	< 2	53	< 1	< 1	34	< 2	106	< 0.1			
94DPV 161	254	202	< 5	< 0.2	22	< 2	44	< 1	< 1	36	< 2	98	< 0.1			
94DPV 162	254	202	< 5	< 0.2	26	< 2	42	< 1	1	30	2	90	< 0.1			
94DPV 163	254	202	< 5	< 0.2	18	< 2	45	< 1	< 1	30	4	98	< 0.1			
94DPV 164	254	202	< 5	< 0.2	22	2	48	< 1	< 1	30	2	98	< 0.1			
94DPV 165	254	202	< 5	< 0.2	10	< 2	60	< 1	< 1	32	4	84	< 0.1			
94VPV 098	254	202	< 5	< 0.2	12	< 2	36	< 1	2	32	2	92	< 0.1			
94VPV 099	254	202	< 5	< 0.2	18	< 2	38	< 1	< 1	32	2	94	0.1			
94VPV 100	254	202	< 5	< 0.2	20	< 2	61	< 1	< 1	52	4	118	< 0.1			
94VPV 101	254	202	< 5	< 0.2	12	2	47	< 1	1	48	2	112	< 0.1			
94VPV 102	254	202	< 5	< 0.2	22	< 2	55	< 1	< 1	62	2	130	0.2			
94VPV 103	254	202	< 5	< 0.2	12	< 2	64	< 1	< 1	26	2	74	0.1			
94VPV 104	254	202	< 5	< 0.2	18	< 2	37	< 1	< 1	60	< 2	120	< 0.1			
94VPV 105	254	202	< 5	< 0.2	16	< 2	46	< 1	1	46	2	114	0.1			

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Project: HYLAND  
 Comments: ATTN: T. TUCKER CC: HARLAN MEADE

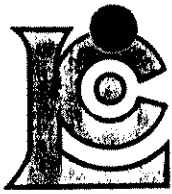
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 Total Pages :2  
 Certificate Date: 02-SEP-94  
 Invoice No. :19423510  
 P.O. Number :6405  
 Account :GP

## CERTIFICATE OF ANALYSIS A9423510

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94VPV 106	254 202	< 5	< 0.2	14	2	48	< 1	2	44	< 2	112	< 0.1			
94VPV 107	254 202	< 5	< 0.2	22	2	35	< 1	< 1	26	2	112	< 0.1			
94VPV 108	254 202	< 5	< 0.2	22	< 2	33	< 1	< 1	34	2	86	< 0.1			
94VPV 109	254 202	< 5	< 0.2	6	< 2	34	< 1	< 1	34	< 2	104	< 0.1			
94VPV 110	254 202	< 5	< 0.2	8	2	35	< 1	1	28	4	102	0.1			
94VPV 111	254 202	< 5	< 0.2	4	< 2	33	< 1	< 1	32	4	104	< 0.1			
94VPV 112	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
94VPV 113	254 202	< 5	< 0.2	16	< 2	30	< 1	< 1	44	< 4	140	< 0.1			
94VPV 114	254 202	< 5	< 0.2	44	< 2	24	< 1	< 1	54	< 2	118	0.1			
94VPV 115	254 202	< 5	< 0.2	20	< 2	30	< 1	< 1	40	4	106	< 0.1			
94VPV 116	254 202	< 5	1.4	280	< 2	39	< 1	< 1	650	4	328	< 0.1			
94VPV 117	254 202	< 5	< 0.2	86	< 2	35	< 1	< 1	42	2	94	0.2			
94VPV 119	254 202	< 5	0.4	114	< 2	39	< 1	< 1	62	2	106	< 0.1			
94VPV 120	254 202	< 5	< 0.2	34	2	23	< 1	< 1	42	4	118	< 0.1			
94VPV 121	254 202	< 5	< 0.2	36	2	28	< 1	< 1	58	2	192	0.1			
94VPV 122	254 202	< 5	< 0.2	48	< 2	31	< 1	< 1	34	2	102	< 0.1			
94VPV 123	254 202	< 5	< 0.2	38	< 2	44	< 1	< 1	60	2	138	0.1			
94VPV 124	254 202	< 5	< 0.2	18	< 2	30	1	< 1	34	2	100	< 0.1			
94VPV 125	254 202	< 5	< 0.2	28	4	27	< 1	< 1	46	2	100	< 0.1			
94YTV 057	254 202	< 5	< 0.2	2	< 2	40	< 1	< 1	30	< 2	94	< 0.1			
94YTV 058	254 202	< 5	0.2	12	2	81	< 1	< 1	46	2	86	< 0.1			
94YTV 059	254 202	< 5	< 0.2	6	2	51	1	< 1	28	< 2	80	< 0.1			
94YTV 060	254 202	< 5	0.2	14	< 2	59	1	2	50	2	142	< 0.1			
94YTV 061	254 202	< 5	< 0.2	8	< 2	79	< 1	< 1	32	2	102	0.1			
94YTV 062	254 202	< 5	< 0.2	< 2	< 2	104	< 1	< 1	14	2	44	< 0.1			
94YTV 063	254 202	< 5	< 0.2	6	< 2	30	< 1	< 1	30	2	94	< 0.1			
94YTV 064	254 202	< 5	< 0.2	8	< 2	33	< 1	< 1	36	2	88	< 0.1			
94YTV 065	254 202	< 5	< 0.2	< 2	< 2	18	< 1	1	16	< 2	80	< 0.1			
94YTV 066	254 202	< 5	< 0.2	< 2	< 2	87	< 1	< 1	30	< 2	102	< 0.1			
94YTV 067	254 202	< 5	< 0.2	8	< 2	49	< 1	1	34	4	112	< 0.1			
94YTV 068	254 202	< 5	< 0.2	4	< 2	89	< 1	< 1	72	2	80	< 0.1			
94YTV 069	254 202	< 5	< 0.2	6	< 2	127	< 1	< 1	62	2	94	< 0.1			
94TTV 001	254 202	< 5	< 0.2	4	4	24	< 1	< 1	32	2	96	< 0.1			
94TTV 002	254 202	< 5	< 0.2	24	< 2	27	< 1	< 1	32	2	82	< 0.1			
94TTV 003	254 202	< 5	< 0.2	58	< 2	27	< 1	< 1	20	< 2	78	< 0.1			
94TTV 004	254 202	15	< 0.2	54	2	33	< 1	< 1	36	2	92	< 0.1			
94TTV 005	254 202	< 5	< 0.2	20	< 2	22	< 1	< 1	22	4	82	< 0.1			
94TTV 006	254 202	< 5	< 0.2	56	< 2	106	< 1	1	38	2	232	< 0.1			
94TTV 007	254 202	< 5	< 0.2	50	4	24	1	< 1	28	4	108	< 0.1			

CERTIFICATION:

*Phai D'Ma*



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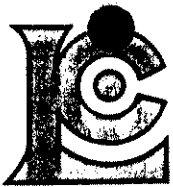
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 Invoice No. : 19423611  
 P.O. Number : 6405  
 Account : GP

Project : HYLAND  
 Comments : ATTN: T. TUCKER CC: HARLAN MEADE

## CERTIFICATE OF ANALYSIS A9423611

SAMPLE	PREP CODE		Au ppb	Ag ppm	As	Bi	Cu	Hg	Mo	Pb	Sb	Zn	Te			
	FA+AA	Aqua R	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
94VPL-126	254	202	< 5	0.6	10	< 2	82	< 1	1	60	< 2	142	0.1			
94VPL-130	254	202	< 5	< 0.2	24	< 2	41	< 1	< 1	18	< 2	92	0.1			
94VPV-127	254	202	< 5	< 0.2	68	< 2	81	< 1	< 1	36	< 2	290	< 0.1			
94VPV-128	254	202	< 5	< 0.2	46	< 2	50	< 1	< 1	24	< 2	102	0.1			
94VPV-129	254	202	< 5	< 0.2	32	< 2	45	< 1	< 1	20	< 2	116	< 0.1			
94VPV-131	254	202	< 5	< 0.2	8	< 2	89	< 1	1	20	< 2	206	< 0.1			
94VPV-132	254	202	< 5	< 0.2	48	< 2	81	< 1	< 1	18	< 2	238	0.2			
94VPV-133	254	202	< 5	< 0.2	36	< 2	86	< 1	< 1	20	< 2	250	< 0.1			
94TTV-008	254	202	< 5	< 0.2	< 2	< 2	11	< 1	< 1	4	< 2	34	< 0.1			
94TTV-009	254	202	< 5	< 0.2	< 2	< 2	4	< 1	< 1	6	< 2	28	0.1			
94TTV-010	254	202	< 5	< 0.2	< 2	2	12	< 1	< 1	4	< 2	40	0.1			
94TTV-011	254	202	< 5	< 0.2	8	< 2	20	< 1	< 1	8	< 2	58	< 0.1			
94TTV-012	254	202	< 5	< 0.2	< 2	< 2	15	< 1	< 1	4	< 2	46	< 0.1			
94TTV-013	254	202	< 5	< 0.2	116	< 2	76	< 1	< 1	44	< 2	124	< 0.1			
94TTV-014	254	202	< 5	0.2	64	< 2	53	< 1	< 1	24	< 2	108	< 0.1			
94TTV-015	254	202	< 5	< 0.2	56	< 2	43	< 1	1	28	< 2	94	0.1			
94TTV-016	254	202	< 5	< 0.2	8	< 2	24	< 1	< 1	16	< 2	58	0.1			
94TTV-017	254	202	< 5	< 0.2	4	< 2	55	< 1	< 1	36	< 2	118	0.2			
94ERV-116	254	202	< 5	< 0.2	34	< 2	73	< 1	< 1	50	< 2	124	0.1			
94ERV-117	254	202	< 5	< 0.2	14	< 2	65	< 1	1	40	< 2	136	0.1			
94ERV-118	254	202	< 5	< 0.2	20	< 2	53	< 1	< 1	32	< 2	138	< 0.1			
94ERV-119	254	202	< 5	< 0.2	10	< 2	55	< 1	< 1	30	< 2	132	< 0.1			
94ERV-120	254	202	< 5	< 0.2	88	< 2	79	< 1	< 1	36	< 2	438	0.1			
94ERV-121	254	202	< 5	< 0.2	40	< 2	81	< 1	1	32	< 2	582	< 0.1			
94ERV-122	254	202	< 5	< 0.2	34	< 2	87	< 1	< 1	24	< 2	332	0.1			
94DPV-161	254	202	< 5	< 0.2	50	< 2	66	< 1	< 1	38	< 2	124	< 0.1			
94DPV-162	254	202	< 5	0.2	42	< 2	69	< 1	1	36	< 2	92	< 0.1			
94DPV-164	254	202	< 5	< 0.2	22	< 2	75	< 1	1	36	< 2	102	0.1			
94DPV-165	254	202	< 5	4.8	34	< 2	93	< 1	1	48	< 2	224	0.1			
94DPV-166	254	202	< 5	1.4	26	< 2	64	< 1	< 1	44	2	116	< 0.1			
94DPV-167	254	202	< 5	1.2	26	< 2	57	< 1	< 1	22	< 2	170	< 0.1			
94DPV-168	254	202	< 5	0.6	4	< 2	47	< 1	< 1	20	< 2	86	< 0.1			
94DPV-170	254	202	< 5	0.2	190	< 2	39	< 1	< 1	6	< 2	86	0.1			
94DPV-171	254	202	< 5	0.6	42	< 2	205	< 1	2	32	< 2	736	< 0.1			
94DPS-169	254	202	< 5	< 0.2	104	< 2	27	< 1	< 1	< 2	< 2	62	< 0.1			
94TTS-035	254	202	< 5	< 0.2	8	< 2	3	< 1	< 1	< 2	< 2	20	0.1			

CERTIFICATION: *John D. Moore*



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Certificate Date: 02-SEP-94  
Invoice No. : I9423652  
P.O. Number : 6405  
Account : GP

Project : HYLAND  
Comments : ATTN: T. TUCKER CC: HARLAN MEADE

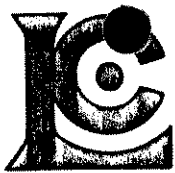
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A9423652

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94DPR-163	205 226	< 5	1.6	20	< 2	194	< 1	< 1	46	6	1130	< 0.1			
94VPR-134	205 226	< 5	0.8	16	< 2	150	< 1	< 1	30	2	892	< 0.1			
94ERR-123	205 226	< 5	< 0.2	8	< 2	9	< 1	< 1	14	< 2	20	< 0.1			
94TTR-038	205 226	< 5	0.4	< 2	< 2	114	< 1	2	2	< 2	90	< 0.1			

CERTIFICATION:

*Wai D Ma*



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Project: HYLAND  
 Comments: ATTN: HARLAN MEADE CC: ED RATCHFORD

Page Number : 1  
 Total Pages : 1  
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 Account : GP

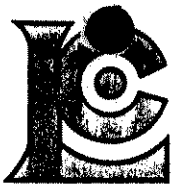
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### A9424815

PARAMETER DESCRIPTIONS	SAMPLE 94 TTV 001									
Sample preparation code	221	---	---	---	---	---	---	---	---	---
Sample preparation code	---	---	---	---	---	---	---	---	---	---
As mg/L Total GFAA	0.044									
Au FA mg/L	< 0.01									
Ag mg/L	0.002									
Al mg/L	< 1									
As mg/L	< 0.05									
Ba mg/L	< 0.1									
Be mg/L	< 0.001									
Bi mg/L	0.05									
Ca mg/L	6.5									
Cd mg/L	< 0.001									
Co mg/L	0.02									
Cr mg/L	< 0.02									
Cu mg/L	< 0.01									
Fe mg/L	9									
K mg/L	< 5									
Mg mg/L	2.2									
Mn mg/L	0.34									
Mo mg/L	< 0.01									
Na mg/L	< 1									
Ni mg/L	0.04									
P mg/L	< 1									
Pb mg/L	0.40									
Sb mg/L	< 0.05									
Sr mg/L	0.02									
Ti mg/L	< 1									
V mg/L	< 0.01									
Zn mg/L	0.07									

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*Alhntu*



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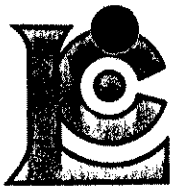
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Page Number: 1  
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 Certificate Date: 21-SEP-94  
 Invoice No.: I9425832  
 P.O. Number: 6405  
 Account: GP

## CERTIFICATE OF ANALYSIS A9425832

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94VTRO08	205 294	< 5	< 0.2	8	< 2	6	< 1	< 1	6	2	52	< 0.1			
94ERR147	205 294	645	7.6	4320	< 2	183	< 1	9	12	56	124	0.4			
94ERR148	205 294	< 5	< 0.2	32	< 2	17	< 1	< 1	4	8	30	< 0.1			
94ERR149	205 294	< 5	< 0.2	24	< 2	15	< 1	< 1	6	< 2	38	< 0.1			
94ERR150	205 294	< 5	< 0.2	26	2	19	< 1	< 1	6	2	48	< 0.1			
94ERR152	205 294	< 5	< 0.2	8	< 2	6	< 1	< 1	4	< 2	74	< 0.1			
94ERR153	205 294	< 5	< 0.2	254	2	34	< 1	< 1	2	< 2	4	0.3			
94ERR155	205 294	< 5	< 0.2	138	2	5	< 1	< 1	6	< 2	12	< 0.1			
94ERR156	205 294	< 5	< 0.2	9300	2	1390	< 1	< 1	2	50	28	< 0.1			
94ERR157	205 294	< 5	< 0.2	232	4	4	< 1	< 1	2	12	< 2	< 0.1			
94ERR158	205 294	< 5	3.4	78	2	7	< 1	3	8	4	354	< 0.1			
94ERR159	205 294	< 5	0.2	6	< 2	1	< 1	1	< 2	12	80	0.1			
94ERR160	205 294	< 5	1.8	12	< 2	4	< 1	2	< 2	2	280	0.1			
94ERR161	205 294	< 5	7.8	4610	20	809	< 1	8	3060	30	2280	0.2			
94TTR039	205 294	< 5	108.5	1340	< 2	78	< 1	< 1	>10000	1770	>10000	< 0.1			
94TTR040	205 294	< 5	0.6	1575	24	11	< 1	< 1	126	18	78	0.1			
94TTR041	205 294	< 5	< 0.2	178	2	2	< 1	< 1	122	8	34	0.1			
94TTR042	205 294	20	< 0.2	226	6	1	< 1	< 1	8	< 2	4	< 0.1			
94TTR043	205 294	25	< 0.2	126	6	1	< 1	< 1	12	2	2	< 0.1			

CERTIFICATION: Hart Buchler



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Page Number : 1  
 Total Pages : 4  
 Certificate Date: 27-SEP-94  
 Invoice No. : I9426410  
 P.O. Number :  
 Account : GP

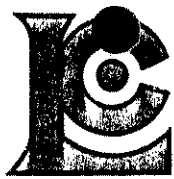
## CERTIFICATE OF ANALYSIS

### A9426410

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94ERL167	254 202	50	0.6	2570	66	52	< 1	1	36	16	150	0.3			
94ERL169	254 202	35	< 0.2	3160	76	43	< 1	2	28	8	180	0.2			
94YTS241	254 202	< 5	< 0.2	6	< 2	33	< 1	< 1	28	2	68	< 0.1			
94YTS242	254 202	< 5	0.2	4	< 2	46	< 1	1	36	< 2	96	0.1			
94YTS243	254 202	< 5	< 0.2	8	< 2	40	< 1	< 1	32	2	94	0.1			
94YTS244	254 202	< 5	0.2	10	< 2	39	< 1	1	28	< 2	94	< 0.1			
94YTS245	254 202	< 5	< 0.2	10	< 2	31	< 1	< 1	22	< 2	68	< 0.1			
94YTS246	254 202	< 5	< 0.2	4	< 2	23	1	1	24	2	60	< 0.1			
94YTS247	254 202	< 5	< 0.2	2	< 2	25	< 1	< 1	20	< 2	56	< 0.1			
94YTS248	254 202	< 5	< 0.2	4	< 2	38	< 1	1	28	< 2	86	< 0.1			
94YTS249	254 202	< 5	< 0.2	10	< 2	36	< 1	2	36	2	72	< 0.1			
94YTS250	254 202	< 5	0.2	16	< 2	37	< 1	1	36	< 2	62	< 0.1			
94YTS251	254 202	< 5	< 0.2	26	< 2	34	< 1	1	22	< 2	58	< 0.1			
94YTS252	254 202	< 5	< 0.2	14	< 2	40	1	1	26	2	76	< 0.1			
94YTS253	254 202	< 5	0.2	14	< 2	21	2	1	16	< 2	42	< 0.1			
94YTS254	254 202	< 5	< 0.2	24	< 2	26	< 1	1	16	< 2	60	< 0.1			
94YTS255	254 202	< 5	0.2	6	< 2	20	< 1	< 1	14	< 2	40	< 0.1			
94YTS256	254 202	< 5	< 0.2	14	< 2	35	< 1	1	22	2	66	< 0.1			
94YTS257	254 202	< 5	0.2	< 2	< 2	7	< 1	< 1	6	< 2	8	< 0.1			
94YTS258	254 202	< 5	0.2	4	< 2	10	< 1	< 1	8	< 2	14	< 0.1			
94YTS259	254 202	< 5	< 0.2	26	< 2	31	1	1	18	2	62	< 0.1			
94YTS260	254 202	< 5	< 0.2	26	< 2	35	1	1	16	< 2	62	< 0.1			
94YTS261	254 202	< 5	0.2	14	< 2	29	< 1	1	18	< 2	58	< 0.1			
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94YTS265	254 202	< 5	< 0.2	16	< 2	31	< 1	< 1	20	2	62	< 0.1			
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94YTS267	254 202	< 5	< 0.2	6	< 2	35	< 1	< 1	20	< 2	68	< 0.1			
94YTS268	254 202	< 5	< 0.2	12	< 2	32	< 1	1	26	< 2	70	0.1			
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94YTS270	254 202	< 5	< 0.2	10	< 2	12	< 1	1	10	< 2	28	< 0.1			
94YTS271	254 202	< 5	< 0.2	24	< 2	19	< 1	< 1	10	< 2	62	< 0.1			
94YTS272	254 202	< 5	0.2	< 2	< 2	12	1	< 1	10	< 2	14	< 0.1			
94YTS273	254 202	< 5	< 0.2	4	< 2	10	< 1	< 1	12	< 2	26	< 0.1			
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94YTS276	254 202	< 5	< 0.2	36	< 2	22	< 1	< 1	14	< 2	46	< 0.1			
94YTS277	254 202	< 5	< 0.2	34	< 2	23	< 1	< 1	30	< 2	88	0.3			
94YTS278	254 202	< 5	0.2	4	< 2	13	< 1	1	24	< 2	38	< 0.1			

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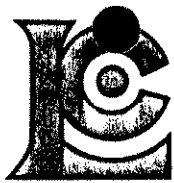
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94YTS280	254 202	< 5	< 0.2	38	< 2	13	1	< 1	36	2	66	< 0.1			
94YTS281	254 202	< 5	< 0.2	8	< 2	9	< 1	1	14	< 2	50	< 0.1			
94YTS282	254 202	< 5	< 0.2	2	< 2	3	< 1	1	8	< 2	30	< 0.1			
94YTS283	254 202	< 5	< 0.2	< 2	< 2	6	< 1	< 1	26	< 2	42	0.1			
94YTS284	254 202	< 5	0.2	16	< 2	11	< 1	1	22	< 2	98	< 0.1			
94YTS285	254 202	< 5	< 0.2	36	< 2	18	< 1	2	18	< 2	62	< 0.1			
94YTS286	254 202	< 5	0.2	14	< 2	7	< 1	< 1	18	< 2	62	< 0.1			
94YTS287	254 202	< 5	< 0.2	10	< 2	5	1	< 1	14	< 2	38	< 0.1			
94YTS288	254 202	< 5	< 0.2	14	< 2	9	< 1	1	14	2	38	< 0.1			
94YTS289	254 202	< 5	< 0.2	8	< 2	7	< 1	< 1	12	< 2	32	< 0.1			
94YTS290	254 202	< 5	< 0.2	24	< 2	21	< 1	< 1	26	< 2	70	< 0.1			
94YTS291	254 202	< 5	< 0.2	12	< 2	6	< 1	1	18	< 2	36	< 0.1			
94YTS292	254 202	< 5	0.2	20	< 2	15	1	< 1	44	< 2	54	< 0.1			
94YTS293	254 202	< 5	< 0.2	58	< 2	37	< 1	< 1	142	6	130	< 0.1			
94YTS294	254 202	< 5	< 0.2	44	< 2	19	< 1	1	50	2	104	< 0.1			
94YTS295	254 202	< 5	0.4	32	< 2	17	< 1	< 1	94	2	110	< 0.1			
94YTS296	254 202	< 5	1.6	26	< 2	47	< 1	< 1	174	2	164	< 0.1			
94YTS297	254 202	< 5	< 0.2	14	< 2	14	< 1	< 1	54	< 2	80	< 0.1			
94YTS298	254 202	< 5	0.4	42	< 2	23	< 1	< 1	58	4	92	< 0.1			
94YTS299	254 202	< 5	0.2	34	< 2	25	< 1	1	162	< 2	144	< 0.1			
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94YTS301	254 202	< 5	0.2	40	< 2	20	< 1	1	52	2	68	< 0.1			
94YTS302	254 202	< 5	< 0.2	74	< 2	30	< 1	1	54	2	124	< 0.1			
94YTS303	254 202	< 5	1.4	56	< 2	19	< 1	1	68	< 2	88	< 0.1			
94YTS304	254 202	< 5	0.4	40	< 2	11	< 1	< 1	54	2	60	< 0.1			
94YTS305	254 202	< 5	0.2	14	< 2	10	1	< 1	42	2	106	< 0.1			
94YTS306	254 202	< 5	0.2	28	< 2	18	< 1	1	74	2	166	< 0.1			
94YTS307	254 202	< 5	0.2	44	< 2	14	< 1	< 1	48	2	142	< 0.1			
94YTS308	254 202	< 5	0.2	176	< 2	25	< 1	< 1	52	4	126	< 0.1			
94YTS309	254 202	< 5	< 0.2	38	< 2	9	< 1	1	24	2	120	< 0.1			
94YTS309A	254 202	< 5	0.4	2	< 2	8	< 1	1	8	< 2	18	< 0.1			
94YTS310	254 202	< 5	< 0.2	10	< 2	11	< 1	1	14	< 2	34	< 0.1			
94YTS311	254 202	< 5	< 0.2	6	< 2	11	< 1	< 1	12	< 2	34	< 0.1			
94YTS312	254 202	< 5	< 0.2	< 2	< 2	9	< 1	< 1	8	< 2	8	< 0.1			
94YTS313	254 202	< 5	0.2	4	< 2	19	< 1	< 1	18	< 2	38	< 0.1			
94YTS314	254 202	< 5	0.2	< 2	< 2	7	< 1	< 1	8	< 2	18	< 0.1			
94YTS315	254 202	< 5	< 0.2	6	< 2	9	< 1	1	10	2	22	< 0.1			
94YTS316	254 202	< 5	0.2	< 2	< 2	15	< 1	< 1	14	< 2	30	< 0.1			
94YTS317	254 202	< 5	< 0.2	4	< 2	7	< 1	< 1	14	< 2	22	< 0.1			

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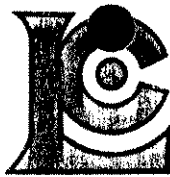
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## CERTIFICATE OF ANALYSIS A9426410

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94YTS318	254 202	< 5	< 0.2	< 2	< 2	18	< 1	< 1	16	4	36	< 0.1			
94YTS319	254 202	< 5	0.4	12	< 2	33	< 1	< 1	20	< 2	84	< 0.1			
94YTS320	254 202	< 5	< 0.2	< 2	< 2	2	< 1	< 1	8	< 2	6	< 0.1			
94YTS321	254 202	< 5	< 0.2	6	< 2	7	< 1	1	10	< 2	30	< 0.1			
94YTS322	254 202	< 5	< 0.2	4	< 2	7	< 1	< 1	14	< 2	24	< 0.1			
94YTS323	254 202	< 5	< 0.2	10	< 2	22	< 1	< 1	20	< 2	42	< 0.1			
94YTS324	254 202	< 5	< 0.2	10	< 2	24	1	< 1	24	< 2	60	< 0.1			
94YTS325	254 202	< 5	0.2	8	< 2	39	1	< 1	30	< 2	68	< 0.1			
94YTS326	254 202	< 5	< 0.2	20	< 2	8	< 1	2	6	2	38	< 0.1			
94YTS327	254 202	< 5	< 0.2	< 2	< 2	1	< 1	< 1	2	< 2	6	< 0.1			
94YTS328	254 202	< 5	< 0.2	14	< 2	9	< 1	1	16	< 2	56	< 0.1			
94YTS329	254 202	< 5	< 0.2	12	< 2	7	< 1	2	6	2	32	< 0.1			
94YTS330	254 202	< 5	< 0.2	2	< 2	20	< 1	< 1	8	< 2	48	< 0.1			
94YTS331	254 202	< 5	< 0.2	12	< 2	10	< 1	1	6	< 2	36	< 0.1			
94YTS332	254 202	< 5	0.2	16	< 2	25	< 1	2	22	2	66	< 0.1			
94YTS333	254 202	< 5	0.4	18	12	8	1	1	8	< 2	20	0.1			
94YTS334	254 202	< 5	0.2	6	< 2	15	< 1	< 1	12	< 2	32	0.1			
94YTS335	254 202	< 5	< 0.2	30	< 2	17	< 1	< 1	12	< 2	28	< 0.1			
94YTS336	254 202	< 5	0.2	18	< 2	16	< 1	< 1	4	< 2	28	< 0.1			
94YTS337	254 202	< 5	< 0.2	26	< 2	11	< 1	< 1	10	< 2	34	< 0.1			
94YTS338	254 202	< 5	< 0.2	18	< 2	19	1	< 1	14	< 2	52	0.1			
94YTS339	254 202	< 5	< 0.2	2	< 2	18	< 1	< 1	12	< 2	30	< 0.1			
94YTS340	254 202	< 5	< 0.2	12	< 2	8	< 1	< 1	6	< 2	38	< 0.1			
94YTS341	254 202	< 5	< 0.2	14	< 2	39	< 1	< 1	8	< 2	56	< 0.1			
94YTS342	254 202	< 5	< 0.2	8	< 2	42	< 1	< 1	8	< 2	48	< 0.1			
94YTS343	254 202	< 5	< 0.2	14	< 2	26	< 1	< 1	8	< 2	78	< 0.1			
94YTS344	254 202	< 5	< 0.2	12	< 2	20	< 1	< 1	8	< 2	64	< 0.1			
94YTS345	254 202	< 5	< 0.2	18	< 2	24	< 1	< 1	14	< 2	74	< 0.1			
94YTS346	254 202	< 5	< 0.2	34	< 2	11	< 1	< 1	12	< 2	48	< 0.1			
94YTS347	254 202	< 5	< 0.2	30	< 2	28	1	1	14	< 2	76	< 0.1			
94YTS348	254 202	< 5	< 0.2	8	< 2	4	< 1	< 1	8	< 2	44	< 0.1			
94YTS349	254 202	< 5	< 0.2	26	< 2	24	< 1	1	18	< 2	64	< 0.1			
94YTS350	254 202	< 5	< 0.2	40	2	27	< 1	< 1	14	< 2	70	< 0.1			
94YTS351	254 202	< 5	< 0.2	2	< 2	6	< 1	< 1	6	2	32	< 0.1			
94YTS352	254 202	< 5	< 0.2	18	< 2	10	1	1	12	< 2	52	< 0.1			
94YTS353	254 202	< 5	< 0.2	12	< 2	14	< 1	< 1	18	< 2	40	< 0.1			
94YTS354	254 202	< 5	< 0.2	14	< 2	11	< 1	< 1	16	2	60	< 0.1			
94YTS355	254 202	< 5	< 0.2	44	2	28	< 1	< 1	12	< 2	78	< 0.1			
94YTS356	254 202	< 5	< 0.2	32	< 2	19	< 1	1	12	< 2	64	< 0.1			
94YTS357	254 202	< 5	< 0.2	18	2	26	< 1	< 1	12	< 2	68	< 0.1			

CERTIFICATION: Hank Buchler



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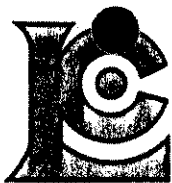
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## CERTIFICATE OF ANALYSIS A9426410

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94YTS358	254 202	< 5	< 0.2	40	4	32	< 1	< 1	12	< 2	98	< 0.1			
94YTL022	254 202	< 5	< 0.2	18	2	29	< 1	< 1	16	< 2	94	< 0.1			
94YTL023	254 202	< 5	< 0.2	36	< 2	34	1	< 1	16	< 2	62	< 0.1			
94YTL024	254 202	< 5	0.2	40	2	33	< 1	1	20	< 2	70	< 0.1			
94YTL025	254 202	< 5	< 0.2	30	2	37	1	< 1	32	< 2	80	0.1			
94YTL026	254 202	< 5	< 0.2	34	4	38	1	< 1	24	< 2	76	< 0.1			
94YTL027	254 202	< 5	< 0.2	8	2	32	< 1	1	26	< 2	106	< 0.1			
94TTS036	254 202	< 5	< 0.2	72	< 2	34	1	< 1	62	< 2	178	< 0.1			
94TTS037	254 202	< 5	0.2	102	< 2	38	1	< 1	164	6	156	< 0.1			
94TTS038	254 202	< 5	< 0.2	10	< 2	8	< 1	2	16	< 2	46	< 0.1			
94TTS039	254 202	< 5	< 0.2	16	< 2	9	< 1	1	10	< 2	44	< 0.1			
94TTS040	254 202	< 5	< 0.2	16	< 2	11	< 1	1	14	< 2	64	< 0.1			
94TTS041	254 202	< 5	< 0.2	54	< 2	21	< 1	1	20	< 2	98	< 0.1			
94TTS042	254 202	< 5	< 0.2	56	< 2	17	< 1	1	24	< 2	72	< 0.1			
94TTS045	254 202	< 5	< 0.2	24	< 2	22	< 1	< 1	12	< 2	58	< 0.1			
94TTS046	254 202	< 5	< 0.2	4	< 2	43	1	< 1	10	< 2	46	< 0.1			
94TTS047	254 202	< 5	< 0.2	24	6	42	< 1	< 1	12	< 2	90	< 0.1			
94TTS048	254 202	< 5	< 0.2	30	2	35	< 1	< 1	18	< 2	66	< 0.1			
94TTS049	254 202	< 5	0.2	24	< 2	24	< 1	1	18	2	58	0.1			
94TTS050	254 202	< 5	< 0.2	16	< 2	51	< 1	< 1	20	< 2	50	< 0.1			
94TTS051	254 202	< 5	< 0.2	40	< 2	41	< 1	< 1	16	< 2	66	< 0.1			

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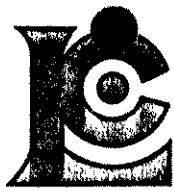
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## CERTIFICATE OF ANALYSIS A9426415

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94ERL166	205 226	< 5	< 0.2	< 2	< 2	5	< 1	< 1	10	4	10	0.2			
94ERL168	205 226	< 5	< 0.2	308	18	152	< 1	< 1	4	30	84	0.1			
94ERR170SM	205 226	< 5	< 0.2	60	< 2	23	< 1	< 1	14	4	56	0.1			
94ERR170BIG	205 226	< 5	< 0.2	26	< 2	19	< 1	< 1	4	4	36	0.2			
94ERR171	205 226	1480	4.6	684	168	49	< 1	< 1	82	126	52	0.3			
94ERR172	205 226	70	< 0.2	186	< 2	91	< 1	< 1	< 2	26	58	< 0.1			
94ERR173	205 226	< 5	< 0.2	1430	4	18	< 1	< 1	16	16	14	< 0.1			
94ERR174	205 226	< 5	1.8	2070	8	20	< 1	< 1	278	24	12	< 0.1			
94ERR175	205 226	< 5	0.8	3360	20	16	< 1	< 1	44	26	12	< 0.1			
94ERR176	205 226	< 5	2.8	2120	4	19	< 1	1	3730	258	2650	< 0.1			
94YTR009	205 226	< 5	< 0.2	2	< 2	10	< 1	< 1	8	6	26	< 0.1			
94YTR011	205 226	< 5	< 0.2	6	< 2	2	< 1	< 1	26	4	28	< 0.1			
94YTR012	205 226	5	< 0.2	50	< 2	5	< 1	< 1	8	4	18	< 0.1			
94YTR013	205 226	< 5	< 0.2	< 2	6	19	< 1	< 1	8	2	8	< 0.1			
94TTR044	205 226	< 5	< 0.2	4	< 2	4	< 1	< 1	6	2	14	< 0.1			
94TTR045	205 226	< 5	< 0.2	< 2	6	9	< 1	< 1	4	12	34	< 0.1			

CERTIFICATION: Hans Bichler



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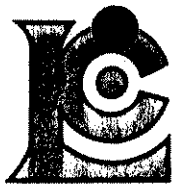
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## CERTIFICATE OF ANALYSIS A9425877

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94JTS061	254 202	< 5	0.2	132	2	38	< 1	< 1	60	6	126	< 0.1			
94JTS062	254 202	< 5	0.4	216	14	40	< 1	< 1	38	6	112	< 0.1			
94JTS063	254 202	< 5	0.2	264	12	25	< 1	< 1	48	6	72	< 0.1			
94JTS064	254 202	< 5	0.2	172	< 2	16	< 1	< 1	34	2	32	< 0.1			
94JTS065	254 202	< 5	< 0.2	72	< 2	11	< 1	1	26	2	42	< 0.1			
94JTS066	254 202	< 5	< 0.2	34	2	11	< 1	< 1	34	< 2	22	< 0.1			
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94JTS069	254 202	< 5	< 0.2	12	< 2	5	< 1	< 1	8	< 2	18	< 0.1			
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94JTS072	254 202	< 5	< 0.2	22	< 2	7	< 1	1	12	< 2	24	< 0.1			
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94JTS078	254 202	< 5	< 0.2	20	< 2	9	< 1	< 1	22	4	44	< 0.1			
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94JTS080	254 202	< 5	0.2	52	< 2	14	< 1	1	16	6	62	< 0.1			
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94JTS084	254 202	< 5	< 0.2	60	8	20	< 1	< 1	16	4	46	< 0.1			
94JTS085	254 202	< 5	< 0.2	72	4	35	< 1	< 1	28	4	72	< 0.1			
94JTS086	254 202	< 5	< 0.2	84	6	38	< 1	< 1	26	6	76	< 0.1			
94JTS087	254 202	< 5	< 0.2	60	< 2	27	< 1	< 1	20	2	64	< 0.1			
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94JTS099	254 202	< 5	0.2	28	< 2	16	< 1	< 1	20	2	40	< 0.1			
94JTS100	254 202	10	< 0.2	80	8	24	< 1	< 1	22	4	52	< 0.1			

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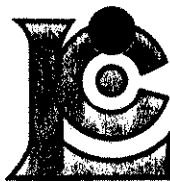
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A9425877

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94JTS104	254 202	< 5	0.2	124	4	32	< 1	< 1	30	6	68	< 0.1			
94JTS105	254 202	< 5	< 0.2	32	4	12	< 1	< 1	12	< 2	34	< 0.1			
94JTS106	254 202	< 5	0.2	96	4	36	< 1	< 1	26	8	68	< 0.1			
94JTS107	254 202	< 5	< 0.2	52	< 2	31	< 1	< 1	12	4	68	< 0.1			
94JTS108	254 202	10	0.2	98	2	26	< 1	< 1	22	4	52	0.1			
94JTS109	254 202	< 5	0.2	34	< 2	11	< 1	< 1	18	2	26	< 0.1			
94JTS110	254 202	< 5	0.2	104	2	30	< 1	< 1	22	6	60	0.1			
94JTS111	254 202	25	< 0.2	32	< 2	12	< 1	< 1	12	< 2	32	< 0.1			
94JTS112	254 202	15	< 0.2	136	6	34	< 1	< 1	28	4	66	< 0.1			
94JTS113	254 202	5	0.2	120	< 2	29	< 1	< 1	30	6	66	< 0.1			
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94JTS115	254 202	< 5	0.2	42	< 2	19	< 1	< 1	14	< 2	40	0.1			
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94YTS103	254 202	< 5	< 0.2	38	2	40	< 1	1	32	6	76	< 0.1			
94YTS104	254 202	< 5	< 0.2	28	4	50	< 1	1	36	2	94	< 0.1			
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94YTS115	254 202	< 5	0.2	20	< 2	14	< 1	< 1	20	< 2	32	< 0.1			
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94YTS121	254 202	< 5	0.4	2	< 2	6	< 1	< 1	10	< 2	10	< 0.1			
94YTS122	254 202	< 5	0.2	2	< 2	6	< 1	< 1	6	< 2	10	< 0.1			
94YTS123	254 202	< 5	< 0.2	22	< 2	30	< 1	< 1	18	< 2	64	< 0.1			
94YTS124	254 202	< 5	< 0.2	14	< 2	28	< 1	1	24	< 2	66	< 0.1			
94YTS125	254 202	< 5	0.2	10	< 2	13	< 1	1	18	< 2	28	< 0.1			

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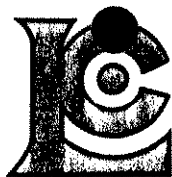
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94YTS126	254 202	< 5	0.2	24	< 2	27	1	1	26	< 2	58	< 0.1			
94YTS127	254 202	< 5	0.2	8	< 2	12	< 1	< 1	18	< 2	26	< 0.1			
94YTS128	254 202	< 5	< 0.2	6	< 2	10	< 1	1	12	< 2	28	< 0.1			
94YTS129	254 202	< 5	< 0.2	6	< 2	6	< 1	< 1	8	< 2	14	< 0.1			
94YTS130	254 202	< 5	0.2	8	< 2	14	< 1	1	16	< 2	28	< 0.1			
94YTS131	254 202	< 5	< 0.2	14	< 2	19	< 1	< 1	14	< 2	30	< 0.1			
94YTS132	254 202	< 5	0.4	2	< 2	4	< 1	< 1	14	< 2	8	< 0.1			
94YTS133	254 202	< 5	< 0.2	22	< 2	23	< 1	1	20	< 2	54	< 0.1			
94YTS134	254 202	< 5	0.2	10	< 2	12	< 1	< 1	14	< 2	26	< 0.1			
94YTS135	254 202	< 5	< 0.2	16	< 2	28	< 1	1	18	< 2	66	< 0.1			
94YTS136	254 202	< 5	< 0.2	16	< 2	15	< 1	1	18	4	62	< 0.1			
94YTS137	254 202	< 5	0.2	14	< 2	15	< 1	< 1	16	2	50	< 0.1			
94YTS138	254 202	< 5	< 0.2	18	< 2	19	< 1	< 1	18	2	54	< 0.1			
94YTS139	254 202	< 5	0.2	16	< 2	18	< 1	1	14	4	62	< 0.1			
94YTS140	254 202	< 5	< 0.2	10	< 2	17	< 1	< 1	14	2	42	< 0.1			
94YTS141	254 202	< 5	< 0.2	22	< 2	19	< 1	1	16	2	60	< 0.1			
94YTS142	254 202	< 5	0.2	18	< 2	32	< 1	1	24	2	68	< 0.1			
94YTS143	254 202	< 5	< 0.2	16	< 2	30	< 1	1	24	4	100	< 0.1			
94YTS144	254 202	< 5	< 0.2	20	< 2	42	< 1	< 1	24	4	108	< 0.1			
94YTS145	254 202	< 5	< 0.2	24	< 2	69	< 1	1	40	6	116	< 0.1			
94YTS146	254 202	< 5	0.2	28	< 2	57	< 1	< 1	64	6	254	< 0.1			
94YTS147	254 202	< 5	< 0.2	4	< 2	9	< 1	< 1	16	2	16	< 0.1			
94YTS148	254 202	< 5	< 0.2	28	< 2	70	< 1	1	40	6	112	< 0.1			
94YTS149	254 202	< 5	< 0.2	8	< 2	11	< 1	< 1	10	< 2	28	< 0.1			
94YTS150	254 202	< 5	0.2	12	< 2	17	< 1	1	18	4	44	< 0.1			
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94YTS158	254 202	< 5	< 0.2	38	< 2	22	< 1	1	12	6	50	< 0.1			
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94YTS161	254 202	< 5	< 0.2	104	< 2	27	< 1	1	4	6	32	< 0.1			
94YTS162	254 202	< 5	< 0.2	20	< 2	16	< 1	1	8	2	22	< 0.1			
94YTS163	254 202	< 5	0.2	50	< 2	29	< 1	1	6	6	50	< 0.1			
94YTS164	254 202	< 5	0.2	32	< 2	17	< 1	1	6	6	32	< 0.1			
94YTS165	254 202	< 5	< 0.2	6	< 2	8	< 1	1	6	< 2	28	< 0.1			

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*Hart/Zickler*



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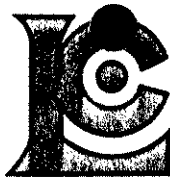
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94YTS169	254 202	< 5	< 0.2	26	< 2	9	< 1	1	6	< 2	24	< 0.1			
94YTS170	254 202	< 5	< 0.2	16	< 2	11	< 1	< 1	12	< 2	46	< 0.1			
94YTS171	254 202	< 5	< 0.2	20	< 2	12	< 1	< 1	18	< 2	102	< 0.1			
94YTS172	254 202	< 5	< 0.2	34	< 2	17	< 1	1	20	< 2	54	< 0.1			
94YTS173	254 202	< 5	< 0.2	6	< 2	7	< 1	< 1	14	< 2	34	< 0.1			
94YTS174	254 202	< 5	< 0.2	58	< 2	19	< 1	1	18	< 2	48	< 0.1			
94YTS175	254 202	< 5	< 0.2	10	< 2	6	< 1	1	18	< 2	52	< 0.1			
94YTS176	254 202	< 5	< 0.2	40	< 2	29	< 1	< 1	20	< 2	80	< 0.1			
94YTS177	254 202	< 5	< 0.2	54	< 2	12	< 1	< 1	16	< 2	46	< 0.1			
94YTS178	254 202	< 5	0.2	350	36	31	1	< 1	10	2	60	< 0.1			
94YTS179	254 202	< 5	< 0.2	54	< 2	20	< 1	2	6	< 2	44	< 0.1			
94YTS180	254 202	< 5	< 0.2	178	4	22	< 1	< 1	8	4	24	< 0.1			
94YTS181	254 202	< 5	0.2	408	8	16	< 1	2	8	8	14	< 0.1			
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94YTS183	254 202	< 5	0.2	10	< 2	14	< 1	1	22	< 2	36	< 0.1			
94YTS184	254 202	< 5	0.4	12	< 2	11	< 1	1	16	< 2	34	< 0.1			
94YTS185	254 202	< 5	0.4	18	< 2	21	< 1	1	18	< 2	42	< 0.1			
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94YTS195	254 202	< 5	0.2	14	< 2	20	< 1	1	22	< 2	42	0.1			
94YTS196	254 202	< 5	< 0.2	20	< 2	36	< 1	1	26	< 2	82	< 0.1			
94YTS197	254 202	< 5	< 0.2	24	< 2	39	< 1	1	32	< 2	84	< 0.1			
94YTS198	254 202	< 5	< 0.2	4	< 2	8	< 1	< 1	14	< 2	18	< 0.1			
94YTS199	254 202	< 5	0.2	2	< 2	7	< 1	< 1	12	< 2	6	< 0.1			
94YTS200	254 202	< 5	< 0.2	16	< 2	23	< 1	2	28	< 2	50	< 0.1			
94YTS201	254 202	< 5	0.2	22	< 2	22	< 1	1	22	< 2	52	< 0.1			
94YTS202	254 202	< 5	< 0.2	18	< 2	12	< 1	1	20	< 2	48	< 0.1			
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94YTS205	254 202	< 5	0.2	12	< 2	15	< 1	1	16	< 2	30	< 0.1			

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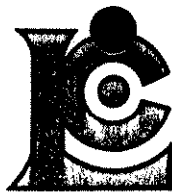
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94YTS207	254 202	< 5	< 0.2	2	< 2	16	< 1	1	12	2	50	< 0.1			
94YTS208	254 202	< 5	< 0.2	12	< 2	22	< 1	1	18	2	56	< 0.1			
94YTS209	254 202	< 5	0.2	< 2	< 2	9	< 1	< 1	12	< 2	28	< 0.1			
94YTS210	254 202	< 5	< 0.2	8	< 2	16	1	1	10	2	38	< 0.1			
94YTS211	254 202	< 5	< 0.2	2	< 2	9	< 1	< 1	12	< 2	26	< 0.1			
94YTS212	254 202	< 5	< 0.2	2	< 2	8	< 1	1	8	< 2	16	< 0.1			
94YTS213	254 202	< 5	0.2	4	< 2	13	< 1	1	14	6	44	< 0.1			
94YTS214	254 202	< 5	0.2	2	< 2	15	< 1	< 1	14	2	64	< 0.1			
94YTS215	254 202	< 5	< 0.2	10	< 2	10	< 1	1	12	2	32	< 0.1			
94YTS216	254 202	< 5	0.2	2	< 2	7	< 1	1	16	2	26	< 0.1			
94YTS217	254 202	< 5	< 0.2	4	< 2	23	< 1	1	20	4	66	< 0.1			
94YTS218	254 202	< 5	< 0.2	< 2	< 2	9	< 1	< 1	16	4	32	< 0.1			
94YTS219	254 202	< 5	< 0.2	12	< 2	13	< 1	1	10	4	34	< 0.1			
94YTS220	254 202	< 5	< 0.2	14	< 2	23	< 1	1	18	6	58	< 0.1			
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94YTS223	254 202	< 5	< 0.2	24	< 2	35	< 1	< 1	18	4	84	< 0.1			
94YTS224	254 202	< 5	0.4	< 2	< 2	65	< 1	< 1	46	4	110	< 0.1			
94YTS225	254 202	< 5	< 0.2	12	< 2	28	< 1	< 1	18	2	68	< 0.1			
94YTS226	254 202	5	< 0.2	8	< 2	12	< 1	< 1	8	2	30	< 0.1			
94YTS227	254 202	< 5	< 0.2	14	< 2	16	< 1	1	14	6	46	< 0.1			
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94YTS233	254 202	< 5	< 0.2	4	< 2	7	< 1	< 1	12	2	28	< 0.1			
94YTS234	254 202	< 5	< 0.2	22	< 2	32	< 1	1	18	2	72	< 0.1			
94YTS235	254 202	< 5	< 0.2	22	< 2	23	< 1	< 1	18	4	60	< 0.1			
94YTS236	254 202	< 5	< 0.2	12	2	22	< 1	1	18	4	64	0.1			
94YTS237	254 202	< 5	< 0.2	8	4	19	< 1	1	16	6	76	< 0.1			
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94YTS240	254 202	< 5	< 0.2	12	< 2	33	< 1	1	26	4	80	< 0.1			
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94YTL021	254 202	< 5	< 0.2	2	< 2	23	< 1	1	84	4	104	< 0.1			
94ERL142	254 202	< 5	< 0.2	8	< 2	33	< 1	< 1	62	2	96	< 0.1			
94ERL143	254 202	< 5	< 0.2	24	< 2	34	1	1	38	6	92	< 0.1			

CERTIFICATION: *[Signature]*



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Project : HYLAND  
Comments : ATTN: TERRY TUCKER

Page Number : 6  
Total Pages : 6  
Certificate Date: 29-SEP-94  
Invoice No. : 19425877  
P.O. Number : 6405  
Account : GP

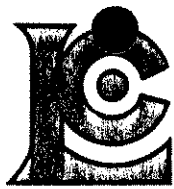
## CERTIFICATE OF ANALYSIS

A9425877

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94ERL154	254 202	140	0.2	206	< 2	34	< 1	< 1	42	6	110	< 0.1			

CERTIFICATION:

*Hartl Zickler*



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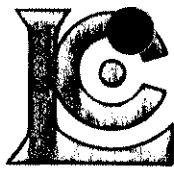
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Comments: ATTN: TERRY TUCKER

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Total Pages: 1  
Certificate Date: 28-SEP-94  
Invoice No.: I9427284  
P.O. Number: 6405  
Account: GP

## CERTIFICATE OF ANALYSIS A9427284

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
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94TTR 047	255 295	< 5	< 0.2	14	< 2	9	< 1	< 1	10	< 2	8	< 0.1			
94TTR 049	255 295	< 5	< 0.2	6	< 2	3	< 1	< 1	22	4	28	< 0.1			
94TTR 050	255 295	60	< 0.2	82	< 2	3	4	< 1	8	18	2	< 0.1			
94TTR 051	255 295	10	< 0.2	1765	< 2	27	< 1	2	14	2	10	0.3			
94TTR 052	255 295	< 5	< 0.2	6	< 2	10	< 1	1	2	2	8	< 0.1			
94TTR 053	255 295	< 5	< 0.2	134	70	36	< 1	< 1	20	8	6	< 0.1			
94TTR 054	255 295	25	0.8	3320	< 2	61	< 1	< 1	16	26	42	0.2			
94TTR 055	255 295	35	< 0.2	1070	10	10	< 1	< 1	8	2	2	0.1			
94TTR 056	255 295	< 5	< 0.2	434	< 2	1	< 1	< 1	46	12	< 2	0.1			

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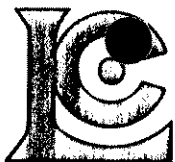
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 Certificate Date: 04-OCT-94  
 Invoice No. : 19427281  
 P.O. Number : 6405  
 Account : GP

## CERTIFICATE OF ANALYSIS A9427281

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2500S 3500E	254 202	< 5	< 0.2	20	< 2	23	< 1	< 1	32	4	104	0.1			
2500S 3550E	254 202	< 5	< 0.2	8	< 2	16	< 1	< 1	48	2	92	0.2			
2500S 3600E	254 202	< 5	< 0.2	42	< 2	20	< 1	2	44	< 2	88	0.2			
2500S 3650E	254 202	< 5	< 0.2	8	< 2	8	< 1	< 1	18	< 2	78	0.2			
2500S 3700E	254 202	< 5	< 0.2	4	2	6	1	< 1	16	4	72	< 0.1			
2500S 3750E	254 202	< 5	< 0.2	22	< 2	16	< 1	1	24	< 2	110	< 0.1			
2500S 3800E	254 202	< 5	< 0.2	16	< 2	8	< 1	1	10	< 2	60	< 0.1			
2500S 3850E	254 202	10	< 0.2	8	< 2	7	< 1	< 1	12	< 2	40	< 0.1			
2500S 3900E	254 202	< 5	< 0.2	6	< 2	13	< 1	< 1	14	< 2	46	< 0.1			
2500S 3950E	254 202	< 5	< 0.2	8	< 2	3	< 1	< 1	6	4	18	< 0.1			
2500S 4000E	254 202	< 5	< 0.2	2	< 2	5	< 1	< 1	16	< 2	56	< 0.1			
2500S 4050E	254 202	< 5	1.2	24	< 2	15	< 1	< 1	40	4	118	< 0.1			
2500S 4100E	254 202	< 5	< 0.2	8	< 2	8	1	1	12	< 2	62	< 0.1			
2500S 4150E	254 202	< 5	< 0.2	10	2	13	< 1	2	18	6	74	< 0.1			
2500S 4200E	254 202	< 5	< 0.2	4	< 2	11	< 1	< 1	16	< 2	78	< 0.1			
2500S 4250E	254 202	< 5	< 0.2	2	< 2	4	< 1	< 1	10	2	14	< 0.1			
2500S 4300E	254 202	< 5	< 0.2	20	< 2	11	< 1	1	20	< 2	66	< 0.1			
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2500S 4450E	254 202	< 5	< 0.2	16	< 2	9	1	1	20	2	50	< 0.1			
2500S 4500E	254 202	< 5	< 0.2	24	2	18	< 1	< 1	20	2	96	0.1			
2500S 4550E	254 202	< 5	< 0.2	10	< 2	9	< 1	1	16	< 2	58	< 0.1			
2500S 4600E	254 202	< 5	< 0.2	4	< 2	9	1	< 1	26	4	58	< 0.1			
2500S 4650E	254 202	< 5	< 0.2	24	< 2	9	< 1	2	12	2	48	0.1			
2500S 4700E	254 202	< 5	< 0.2	12	2	7	< 1	< 1	14	< 2	72	0.1			
2500S 4750E	254 202	< 5	< 0.2	10	< 2	3	< 1	< 1	16	4	48	< 0.1			
2500S 4800E	254 202	< 5	0.6	28	< 2	72	1	< 1	42	2	110	< 0.1			
2500S 4850E	254 202	< 5	< 0.2	6	< 2	8	< 1	< 1	14	4	52	0.1			
2500S 4900E	254 202	< 5	< 0.2	10	< 2	25	< 1	< 1	26	< 2	68	0.1			
2500S 4950E	254 202	< 5	< 0.2	4	< 2	9	< 1	< 1	16	< 2	26	0.1			
2500S 5000E	254 202	< 5	< 0.2	52	< 2	13	1	< 1	14	< 2	50	0.1			
2500S 5050E	254 202	< 5	< 0.2	12	< 2	19	< 1	< 1	18	6	64	< 0.1			
2500S 5100E	254 202	< 5	< 0.2	8	< 2	24	1	< 1	22	4	72	< 0.1			
2500S 5150E	254 202	< 5	< 0.2	4	< 2	22	< 1	< 1	16	4	68	< 0.1			
2500S 5200E	254 202	< 5	< 0.2	8	< 2	6	< 1	< 1	12	< 2	42	< 0.1			
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2500S 5300E	254 202	< 5	< 0.2	8	< 2	11	< 1	< 1	20	4	88	0.1			
2500S 5350E	254 202	< 5	< 0.2	4	< 2	11	< 1	< 1	18	< 2	62	< 0.1			
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2500S 5450E	254 202	< 5	< 0.2	2	< 2	4	< 1	< 1	8	< 2	22	0.1			

CERTIFICATION: *Hart Buchler*



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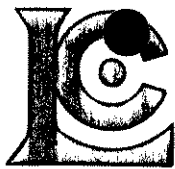
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 Invoice No. :19427281  
 P.O. Number :6405  
 Account :GP

## CERTIFICATE OF ANALYSIS A9427281

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2500S 5550E	254 202	< 5	< 0.2	18	< 2	15	< 1	< 1	16	< 2	58	0.1			
2500S 5600E	254 202	< 5	< 0.2	8	< 2	4	2	< 1	14	< 2	38	< 0.1			
2500S 5650E	254 202	< 5	< 0.2	20	< 2	20	< 1	< 1	34	< 2	76	< 0.1			
2500S 5700E	254 202	< 5	0.2	12	2	10	< 1	< 1	22	< 2	62	< 0.1			
2500S 5750E	254 202	< 5	< 0.2	12	< 2	7	< 1	< 1	22	< 2	42	< 0.1			
2500S 5800E	254 202	< 5	< 0.2	22	< 2	11	< 1	1	28	< 2	50	< 0.1			
2500S 5850E	254 202	< 5	< 0.2	10	< 2	4	1	< 1	18	< 2	24	< 0.1			
2500S 5900E	254 202	< 5	< 0.2	16	2	8	< 1	1	16	2	46	0.1			
2500S 5950E	254 202	< 5	< 0.2	30	< 2	14	< 1	< 1	40	< 2	48	< 0.1			
2500S 6000E	254 202	< 5	< 0.2	8	< 2	4	< 1	< 1	18	4	16	< 0.1			
2500S 6050E	254 202	< 5	< 0.2	42	< 2	24	1	< 1	48	4	66	< 0.1			
2500S 6100E	254 202	< 5	< 0.2	42	< 2	35	< 1	< 1	54	< 2	80	< 0.1			
2500S 6150E	254 202	< 5	< 0.2	30	< 2	30	< 1	< 1	30	6	70	< 0.1			
2500S 6200E	254 202	< 5	< 0.2	22	< 2	30	1	< 1	52	4	76	< 0.1			
2500S 6250E	254 202	< 5	< 0.2	22	< 2	33	< 1	< 1	46	< 2	88	0.1			
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2500S 7450E	254 202	< 5	< 0.2	38	< 2	29	< 1	< 1	32	4	100	< 0.1			

CERTIFICATION: Hart Buchler



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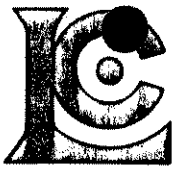
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 Certificate Date: 04-OCT-94  
 Invoice No. : 19427281  
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 Account : GP

## CERTIFICATE OF ANALYSIS A9427281

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2500S 7600E	254 202	< 5	< 0.2	56	< 2	31	< 1	< 1	32	2	82	< 0.1			
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2500S 7700E	254 202	< 5	< 0.2	34	2	21	< 1	< 1	24	< 2	74	< 0.1			
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2500S 7800E	254 202	< 5	0.2	42	< 2	48	< 1	< 1	20	2	64	< 0.1			
2500S 7850E	254 202	< 5	< 0.2	34	< 2	28	< 1	< 1	32	< 2	64	< 0.1			
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2900S 3600E	254 202	< 5	< 0.2	18	< 2	37	< 1	< 1	40	4	104	< 0.1			
2900S 3650E	254 202	< 5	< 0.2	8	< 2	23	1	< 1	26	< 2	60	< 0.1			
2900S 3700E	254 202	< 5	< 0.2	14	< 2	21	< 1	< 1	26	< 2	92	< 0.1			
2900S 3750E	254 202	< 5	< 0.2	8	< 2	10	1	< 1	12	2	28	< 0.1			
2900S 3800E	254 202	< 5	< 0.2	12	< 2	18	< 1	< 1	30	6	42	< 0.1			
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2900S 4000E	254 202	< 5	< 0.2	20	2	17	< 1	1	16	< 2	80	< 0.1			
2900S 4050E	254 202	< 5	< 0.2	8	2	14	< 1	< 1	46	< 2	64	< 0.1			
2900S 4100E	254 202	< 5	< 0.2	8	< 2	19	< 1	< 1	14	< 2	50	0.1			
2900S 4150E	254 202	< 5	< 0.2	12	< 2	14	< 1	< 1	30	< 2	86	< 0.1			
2900S 4200E	254 202	< 5	< 0.2	14	< 2	23	< 1	< 1	42	< 2	88	< 0.1			
2900S 4250E	254 202	< 5	< 0.2	8	< 2	18	< 1	1	40	< 2	108	< 0.1			
2900S 4300E	254 202	< 5	< 0.2	10	< 2	20	< 1	< 1	26	< 2	88	< 0.1			
2900S 4350E	254 202	< 5	< 0.2	6	< 2	14	< 1	< 1	26	4	78	< 0.1			
2900S 4400E	254 202	< 5	< 0.2	8	< 2	11	< 1	< 1	28	< 2	80	< 0.1			
2900S 4450E	254 202	< 5	< 0.2	6	< 2	15	< 1	< 1	36	2	110	0.1			
2900S 4500E	254 202	< 5	< 0.2	2	2	12	< 1	< 1	24	4	58	0.2			
2900S 4550E	254 202	< 5	< 0.2	50	< 2	22	< 1	1	50	< 2	108	< 0.1			
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2900S 4650E	254 202	< 5	< 0.2	6	< 2	6	< 1	1	12	< 2	36	< 0.1			
2900S 4700E	254 202	< 5	< 0.2	6	< 2	3	< 1	< 1	8	4	10	< 0.1			
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2900S 4900E	254 202	< 5	< 0.2	26	2	20	< 1	< 1	26	< 2	74	< 0.1			

CERTIFICATION: Hart Buehler



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

TO: WESTMIN RESOURCES LTD.  
 P.O. Box 49066, The Bentall Centre  
 VANCOUVER, BC  
 V7X 1C4

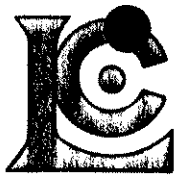
Project: HYLAND  
 Comments: ATTN: TERRY TUCKER

Page Number : 4  
 Total Pages : 5  
 Certificate Date: 04-OCT-94  
 Invoice No. : I9427281  
 P.O. Number : 6405  
 Account : GP

## CERTIFICATE OF ANALYSIS A9427281

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
2900S 4950E	254 202	< 5	< 0.2	6	< 2	11	< 1	< 1	16	2	66	< 0.1			
2900S 5000E	254 202	< 5	0.2	< 2	< 2	7	1	< 1	12	< 2	38	< 0.1			
2900S 5050E	254 202	< 5	0.2	14	< 2	13	< 1	< 1	8	2	64	< 0.1			
2900S 5100E	254 202	< 5	0.2	4	< 2	5	< 1	< 1	14	< 2	42	< 0.1			
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2900S 5250E	254 202	< 5	< 0.2	4	< 2	15	1	1	12	2	68	< 0.1			
2900S 5300E	254 202	< 5	0.4	14	< 2	58	< 1	< 1	68	4	140	< 0.1			
2900S 5350E	254 202	< 5	< 0.2	4	< 2	23	< 1	< 1	20	< 2	72	< 0.1			
2900S 5400E	254 202	< 5	< 0.2	< 2	< 2	12	< 1	< 1	12	< 2	62	< 0.1			
2900S 5450E	254 202	< 5	< 0.2	< 2	< 2	11	< 1	< 1	6	< 2	48	< 0.1			
2900S 5500E	254 202	< 5	< 0.2	4	< 2	17	< 1	< 1	16	2	86	< 0.1			
2900S 5550E	254 202	< 5	< 0.2	4	< 2	21	< 1	< 1	10	< 2	86	< 0.1			
2900S 5600E	254 202	< 5	0.2	14	< 2	29	< 1	< 1	18	4	80	< 0.1			
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2900S 5800E	254 202	< 5	< 0.2	6	< 2	17	< 1	1	18	2	82	< 0.1			
2900S 5850E	254 202	< 5	< 0.2	88	< 2	30	< 1	< 1	36	4	72	< 0.1			
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2900S 6000E	254 202	< 5	< 0.2	30	< 2	43	< 1	< 1	22	< 2	92	< 0.1			
2900S 6050E	254 202	< 5	0.2	40	< 2	32	< 1	< 1	26	2	76	0.1			
2900S 6100E	254 202	< 5	< 0.2	28	< 2	32	< 1	< 1	22	4	92	0.1			
2900S 6150E	254 202	< 5	< 0.2	68	< 2	37	< 1	< 1	34	4	90	0.1			
2900S 6200E	254 202	< 5	< 0.2	54	< 2	31	< 1	< 1	28	4	82	< 0.1			
2900S 6250E	254 202	< 5	< 0.2	50	2	37	< 1	< 1	32	2	90	0.1			
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2900S 6500E	254 202	< 5	< 0.2	26	< 2	26	< 1	< 1	38	2	66	0.1			
2900S 6550E	254 202	< 5	< 0.2	24	< 2	31	< 1	< 1	20	< 2	56	< 0.1			
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2900S 6700E	254 202	< 5	0.2	46	2	38	< 1	< 1	28	2	100	0.1			
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2900S 6900E	254 202	< 5	< 0.2	22	< 2	27	< 1	< 1	18	2	76	0.1			

CERTIFICATION: Hart Buchler



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
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V7X 1C4

Project : HYLAND  
Comments: ATTN: TERRY TUCKER

Page Number : 5  
Total Pages : 5  
Certificate Date: 04-OCT-94  
Invoice No. : I9427281  
P.O. Number : 6405  
Account : GP

## CERTIFICATE OF ANALYSIS A9427281

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
2900S 6950E	254 202	< 5	< 0.2	40	< 2	32	< 1	< 1	24	2	86	< 0.1			
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2900S 7050E	254 202	< 5	< 0.2	28	< 2	24	1	< 1	30	2	76	< 0.1			
2900S 7100E	254 202	< 5	< 0.2	32	< 2	27	1	1	22	2	88	< 0.1			
2900S 7150E	254 202	< 5	< 0.2	60	< 2	16	< 1	1	18	4	70	0.1			
2900S 7200E	254 202	< 5	< 0.2	22	< 2	10	< 1	1	16	< 2	48	0.1			
2900S 7250E	254 202	< 5	< 0.2	< 2	< 2	3	< 1	< 1	6	< 2	8	< 0.1			
2900S 7300E	254 202	< 5	< 0.2	4	< 2	8	< 1	1	12	< 2	50	< 0.1			
2900S 7350E	254 202	< 5	< 0.2	32	< 2	11	< 1	1	18	2	54	< 0.1			
2900S 7400E	254 202	< 5	0.2	32	< 2	13	< 1	< 1	8	2	50	< 0.1			
2900S 7450E	254 202	< 5	< 0.2	56	< 2	41	< 1	< 1	22	< 2	122	< 0.1			
2900S 7500E	254 202	< 5	< 0.2	34	< 2	14	< 1	1	14	< 2	58	< 0.1			
2900S 7550E	254 202	< 5	< 0.2	86	< 2	19	< 1	1	14	4	76	< 0.1			
2900S 7600E	254 202	< 5	< 0.2	44	< 2	13	< 1	1	6	< 2	40	< 0.1			
2900S 7650E	254 202	< 5	0.2	18	< 2	11	< 1	1	12	< 2	54	< 0.1			
2900S 7700E	254 202	< 5	0.4	92	< 2	79	< 1	< 1	24	2	60	0.1			
2900S 7750E	254 202	< 5	0.2	82	< 2	35	< 1	< 1	28	4	90	< 0.1			
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2900S 7900E	254 202	< 5	0.2	42	< 2	32	< 1	1	24	< 2	80	< 0.1			

CERTIFICATION: *Hant Bichler*



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WESTMIN RESOURCES LTD.  
P.O. Box 49066, The Bentall Centre  
VANCOUVER, BC  
V7X 1C4

Project : 6999 PAK & FOOT CLAIM  
Comments: ATTN: TERRY TUCKER

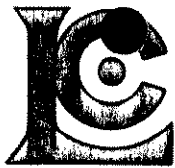
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Total Pages : 1  
Certificate Date: 02-OCT-94  
Invoice No. : 19426406  
P.O. Number : 6999  
Account : GP

## CERTIFICATE OF ANALYSIS A9426406

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
4351	208 294	< 5	9.0	3.22	100	< 0.5	48	0.62	57.5	34	138	5370	19.20	1.02	0.23
4352	208 294	< 5	1.0	1.08	60	< 0.5	18	0.10	43.0	127	39	5360	>25.0	0.25	0.17
4353	208 294	< 5	1.0	5.60	>10000	1.0	2	0.06	0.5	10	142	91	2.70	1.95	0.83
4354	208 294	< 5	4.0	0.40	3770	1.0	4	0.35	1.5	6	184	123	17.00	0.03	0.06

CERTIFICATION:

*Hart Beckler*



# Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre  
VANCOUVER, BC  
V7X 1C4

Project: 6999 PAK & FOOT CLAIM  
Comments: ATTN: TERRY TUCKER

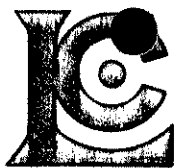
Page Number : 1-B  
Total Pages : 1  
Certificate Date: 02-OCT-94  
Invoice No. : I9426406  
P.O. Number : 6999  
Account : GP

## CERTIFICATE OF ANALYSIS

A9426406

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	Ba %		
4351	208 294	1185	46	0.70	71	330	1220	175	0.08	95	< 10	>10000	0.3		
4352	208 294	940	65	0.07	157	140	48	20	0.02	40	< 10	>10000	< 0.1		
4353	208 294	170	10	0.45	43	250	16	79	0.38	117	< 10	236	1.7		
4354	208 294	330	22	0.04	13	1560	192	87	0.01	35	40	350	1.4		

CERTIFICATION: Paul Buchler



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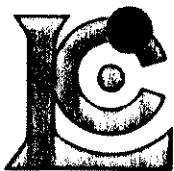
Project: HYLAND  
 Comments: ATTN: TERRY TUCKER

Page Number : 1  
 Total Pages : 6  
 Certificate Date: 04-OCT-94  
 Invoice No. : 19427282  
 P.O. Number : 6405  
 Account : GP

## CERTIFICATE OF ANALYSIS A9427282

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
3300S 3500E	254 202	< 5	< 0.2	44	4	30	< 1	4	40	< 2	236	not/ass			
3300S 3550E	254 202	< 5	0.3	22	2	19	< 1	2	16	< 2	132	< 0.1			
3300S 3600E	254 202	< 5	0.4	26	2	40	< 1	4	18	< 2	250	0.1			
3300S 3650E	254 202	< 5	0.2	62	2	27	< 1	5	34	< 4	300	0.1			
3300S 3700E	254 202	< 5	0.2	18	2	31	< 1	1	30	< 2	116	< 0.1			
3300S 3750E	254 202	< 5	< 0.2	18	2	16	< 1	1	22	< 2	96	0.1			
3300S 3800E	254 202	< 5	< 0.2	6	2	12	< 1	1	14	< 2	56	0.1			
3300S 3850E	254 202	< 5	< 0.2	12	2	12	< 1	< 1	12	< 2	72	0.1			
3300S 3900E	254 202	< 5	< 0.2	2	2	8	< 1	1	14	< 2	66	0.2			
3300S 3950E	254 202	< 5	< 0.2	2	2	3	< 1	< 1	20	< 2	40	0.2			
3300S 4000E	254 202	< 5	< 0.2	6	4	12	< 1	2	16	< 2	90	0.1			
3300S 4050E	254 202	< 5	< 0.2	< 2	< 2	7	< 1	< 1	156	< 2	38	0.1			
3300S 4100E	254 202	< 5	< 0.2	8	2	9	< 1	1	22	< 2	60	0.1			
3300S 4150E	254 202	< 5	< 0.2	2	2	5	< 1	< 1	12	< 2	36	0.1			
3300S 4200E	254 202	< 5	< 0.2	12	4	33	< 1	2	54	< 2	162	0.2			
3300S 4250E	254 202	< 5	0.6	< 2	2	8	< 1	1	22	< 2	70	0.1			
3300S 4300E	254 202	< 5	0.2	4	< 2	9	< 1	< 1	20	< 2	78	< 0.1			
3300S 4350E	254 202	< 5	< 0.2	< 2	< 2	1	< 1	< 1	6	< 2	42	0.1			
3300S 4400E	254 202	< 5	< 0.2	16	< 2	23	< 1	< 1	44	< 2	114	0.1			
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3300S 4600E	254 202	< 5	< 0.2	4	2	15	< 1	3	40	< 2	136	0.1			
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3300S 4700E	254 202	< 5	0.2	16	4	18	< 1	3	46	< 2	144	0.1			
3300S 4750E	254 202	< 5	< 0.2	12	2	15	< 1	< 1	18	< 2	58	0.1			
3300S 4800E	254 202	< 5	< 0.2	8	2	7	< 1	< 1	24	< 2	86	0.1			
3300S 4850E	254 202	< 5	< 0.2	22	2	32	< 1	< 1	44	< 2	92	0.2			
3300S 4900E	254 202	< 5	< 0.2	4	2	12	< 1	< 1	22	< 2	76	0.1			
3300S 4950E	254 202	< 5	< 0.2	14	2	29	< 1	< 1	30	< 2	90	< 0.1			
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3300S 5100E	254 202	< 5	< 0.2	< 2	< 2	11	< 1	< 1	22	< 2	76	< 0.1			
3300S 5150E	254 202	< 5	< 0.2	12	< 2	7	< 1	< 1	18	< 2	58	0.1			
3300S 5200E	254 202	< 5	< 0.2	< 2	< 2	3	< 1	< 1	12	< 2	44	0.1			
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3300S 5300E	254 202	< 5	< 0.2	2	< 2	12	< 1	1	12	< 2	120	< 0.1			
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3300S 5450E	254 202	< 5	< 0.2	4	2	3	< 1	< 1	14	< 2	32	< 0.1			

CERTIFICATION: Hart Buchler



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WESTMIN RESOURCES LTD.

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 VANCOUVER, BC  
 V7X 1C4

Project : HYLAND  
 Comments : ATTN: TERRY TUCKER

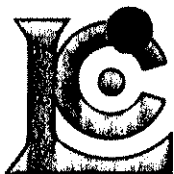
Page Number : 2  
 Total Pages : 6  
 Certificate Date: 04-OCT-94  
 Invoice No. : 19427282  
 P.O. Number : 6405  
 Account : GP

## CERTIFICATE OF ANALYSIS A9427282

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
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3300S 5550E	254 202	< 5	0.2	20	2	11	< 1	< 1	14	< 2	56	0.1			
3300S 5600E	254 202	< 5	< 0.2	14	2	6	< 1	< 1	14	< 2	56	< 0.1			
3300S 5650E	254 202	< 5	< 0.2	18	2	7	< 1	< 1	14	< 2	54	< 0.1			
3300S 5700E	254 202	< 5	< 0.2	44	2	25	< 1	< 1	22	< 2	76	0.1			
3300S 5750E	254 202	< 5	< 0.2	44	2	18	< 1	< 1	26	< 2	80	< 0.1			
3300S 5800E	254 202	< 5	< 0.2	60	4	25	< 1	< 1	40	< 2	80	0.1			
3300S 5850E	254 202	< 5	< 0.2	76	6	23	< 1	< 1	36	< 2	76	0.1			
3300S 5900E	254 202	< 5	< 0.2	180	2	39	< 1	1	54	2	86	< 0.1			
3300S 5950E	254 202	< 5	0.3	44	2	38	< 1	< 1	30	< 2	98	< 0.1			
3300S 6000E	254 202	< 5	0.2	36	2	29	< 1	< 1	34	< 2	106	0.1			
3300S 6050E	254 202	< 5	0.2	40	2	24	< 1	< 1	28	< 2	94	0.1			
3300S 6100E	254 202	< 5	0.2	50	2	27	< 1	< 1	32	< 2	124	0.1			
3300S 6150E	254 202	< 5	0.3	20	2	23	< 1	< 1	20	< 2	76	< 0.1			
3300S 6200E	254 202	10	0.2	22	2	21	< 1	< 1	34	< 2	122	0.1			
3300S 6250E	254 202	< 5	0.2	40	2	41	< 1	< 1	24	< 2	102	< 0.1			
3300S 6300E	254 202	< 5	0.2	42	< 2	34	< 1	< 1	34	< 2	108	0.1			
3300S 6350E	254 202	25	0.3	46	4	38	< 1	< 1	38	< 2	106	< 0.1			
3300S 6400E	254 202	< 5	0.3	82	2	45	< 1	< 1	36	< 2	110	< 0.1			
3300S 6450E	254 202	< 5	0.2	8	2	5	< 1	< 1	8	< 2	40	< 0.1			
3300S 6500E	254 202	< 5	0.3	68	2	46	< 1	< 1	28	< 2	106	< 0.1			
3300S 6550E	254 202	< 5	0.3	54	4	43	< 1	< 1	24	< 2	86	0.1			
3300S 6600E	254 202	10	< 0.2	72	8	46	< 1	< 1	18	2	72	0.1			
3300S 6650E	254 202	15	< 0.2	48	4	35	< 1	< 1	18	2	82	0.1			
3300S 6700E	254 202	< 5	< 0.2	26	4	46	< 1	< 1	24	< 2	58	0.1			
3300S 6750E	254 202	< 5	0.2	36	4	30	< 1	< 1	18	< 2	78	0.1			
3300S 6800E	254 202	10	< 0.2	58	6	38	< 1	< 1	20	2	86	< 0.1			
3300S 6850E	254 202	< 5	< 0.2	48	8	35	< 1	< 1	24	2	88	< 0.1			
3300S 6900E	254 202	< 5	0.3	26	< 2	31	< 1	< 1	14	< 2	50	0.1			
3300S 6950E	254 202	< 5	0.4	48	< 2	31	< 1	< 1	28	< 2	84	0.1			
3300S 7000E	254 202	< 5	0.2	40	< 2	30	< 1	< 1	22	< 2	90	< 0.1			
3300S 7050E	254 202	< 5	0.4	22	< 2	63	< 1	< 1	30	< 2	78	< 0.1			
3300S 7100E	254 202	< 5	0.2	34	< 2	28	< 1	< 1	24	2	88	0.1			
3300S 7150E	254 202	< 5	< 0.2	20	< 2	27	< 1	< 1	26	< 2	74	< 0.1			
3300S 7200E	254 202	< 5	< 0.2	32	< 2	31	< 1	< 1	24	2	108	0.1			
3300S 7250E	254 202	< 5	0.2	64	< 2	44	< 1	< 1	32	< 2	108	0.1			
3300S 7300E	254 202	< 5	0.6	30	< 2	32	< 1	< 1	22	< 2	86	< 0.1			
3300S 7350E	254 202	< 5	< 0.2	26	< 2	25	< 1	< 1	24	< 2	78	< 0.1			
3300S 7400E	254 202	< 5	0.2	30	< 2	33	< 1	< 1	20	< 2	94	0.1			
3300S 7450E	254 202	10	0.2	74	2	49	< 1	< 1	24	< 2	86	0.1			

CERTIFICATION:

*Terry Tucker*



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Project : HYLAND  
 Comments : ATTN: TERRY TUCKER

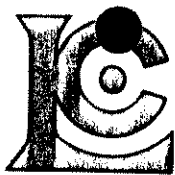
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 Invoice No. : 19427282  
 P.O. Number : 6405  
 Account : GP

## CERTIFICATE OF ANALYSIS A9427282

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
3300S 7500E	254 202	< 5	0.2	14	< 2	13	< 1	< 1	16	< 2	30	< 0.1			
3300S 7550E	254 202	< 5	0.2	28	< 2	22	< 1	< 1	22	< 2	82	< 0.1			
3300S 7600E	254 202	< 5	< 0.2	116	< 2	27	< 1	2	28	< 2	84	0.1			
3300S 7650E	254 202	< 5	< 0.2	58	< 2	13	< 1	1	14	< 2	44	< 0.1			
3300S 7700E	254 202	< 5	< 0.2	26	< 2	20	< 1	< 1	20	< 2	74	< 0.1			
3300S 7750E	254 202	< 5	0.2	30	< 2	35	1	< 1	18	< 2	56	< 0.1			
3300S 7800E	254 202	< 5	0.2	24	< 2	27	< 1	< 1	22	< 2	80	< 0.1			
3300S 7850E	254 202	5	0.2	26	< 2	24	< 1	< 1	20	< 2	88	< 0.1			
3300S 7900E	254 202	10	0.3	16	< 2	26	< 1	< 1	20	< 2	92	< 0.1			
3300S 7950E	254 202	< 5	0.4	32	< 2	29	< 1	< 1	26	< 2	96	0.1			
3300S 8000E	254 202	< 5	< 0.2	26	< 2	23	< 1	< 1	16	< 2	58	< 0.1			
4100S 3050E	254 202	< 5	0.4	52	< 2	45	< 1	3	28	< 2	198	0.1			
4100S 3100E	254 202	< 5	0.3	94	< 2	53	< 1	1	60	2	218	< 0.1			
4100S 3150E	254 202	< 5	3.1	222	< 2	43	< 1	< 1	62	24	174	< 0.1			
4100S 3200E	254 202	< 5	0.2	116	< 2	29	< 1	2	36	2	164	< 0.1			
4100S 3250E	254 202	< 5	< 0.2	44	< 2	21	< 1	1	36	< 2	100	< 0.1			
4100S 3300E	254 202	< 5	0.2	20	< 2	25	< 1	< 1	38	< 2	246	< 0.1			
4100S 3350E	254 202	5	0.4	16	< 2	26	< 1	< 1	42	< 2	292	< 0.1			
4100S 3400E	254 202	< 5	0.4	26	< 2	20	< 1	< 1	52	< 2	324	< 0.1			
4100S 3450E	254 202	< 5	0.2	28	< 2	25	< 1	< 1	70	< 2	562	< 0.1			
4100S 3500E	254 202	< 5	0.3	26	< 2	21	< 1	1	44	< 2	180	< 0.1			
4100S 3550E	254 202	< 5	0.3	48	2	30	< 1	< 1	48	< 2	134	< 0.1			
4100S 3600E	254 202	< 5	< 0.2	46	2	23	< 1	1	32	< 2	132	0.1			
4100S 3650E	254 202	< 5	< 0.2	34	< 2	35	< 1	< 1	64	< 2	200	< 0.1			
4100S 3700E	254 202	< 5	< 0.2	22	< 2	6	< 1	1	18	< 2	50	< 0.1			
4100S 3750E	254 202	< 5	< 0.2	44	< 2	34	< 1	< 1	70	2	230	< 0.1			
4100S 3800E	254 202	< 5	< 0.2	2	< 2	6	< 1	< 1	8	< 2	24	0.1			
4100S 3850E	254 202	< 5	< 0.2	22	< 2	18	< 1	< 1	24	< 2	98	< 0.1			
4100S 3900E	254 202	< 5	< 0.2	56	< 2	19	< 1	< 1	22	< 2	94	0.1			
4100S 3950E	254 202	< 5	< 0.2	64	< 2	41	< 1	< 1	32	< 2	98	< 0.1			
4100S 4000E	254 202	< 5	< 0.2	34	2	26	< 1	2	26	< 2	140	< 0.1			
4100S 4050E	254 202	< 5	< 0.2	36	< 2	29	< 1	1	30	< 2	136	< 0.1			
4100S 4100E	254 202	< 5	< 0.2	22	< 2	27	< 1	< 1	24	< 2	140	< 0.1			
4100S 4150E	254 202	< 5	< 0.2	32	2	25	< 1	< 1	36	< 2	150	< 0.1			
4100S 4200E	254 202	< 5	< 0.2	30	< 2	29	< 1	< 1	40	< 2	154	< 0.1			
4100S 4250E	254 202	< 5	< 0.2	34	< 2	29	< 1	< 1	54	< 2	186	< 0.1			
4100S 4300E	254 202	15	0.3	24	< 2	26	< 1	4	16	4	214	< 0.1			
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4100S 4400E	254 202	< 5	0.3	18	< 2	18	< 1	2	12	< 2	120	0.1			
4100S 4450E	254 202	< 5	< 0.2	12	< 2	23	< 1	1	18	< 2	158	< 0.1			

CERTIFICATION:

*Hart Buchler*



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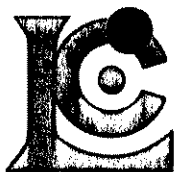
Project: HYLAND  
 Comments: ATTN: TERRY TUCKER

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 Account : GP

## CERTIFICATE OF ANALYSIS A9427282

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
4100S 4500E	254 202	< 5	0.2	54	6	37	< 1	1	22	4	124	< 0.1			
4100S 4550E	254 202	< 5	0.2	14	6	22	< 1	2	24	2	148	< 0.1			
4100S 4600E	254 202	< 5	0.2	22	4	24	< 1	1	18	< 2	56	< 0.1			
4100S 4650E	254 202	< 5	< 0.2	4	2	9	< 1	< 1	4	< 2	16	< 0.1			
4300S 5050E	254 202	< 5	< 0.2	30	6	18	< 1	< 1	26	< 2	92	< 0.1			
4300S 5100E	254 202	< 5	< 0.2	22	4	22	< 1	< 1	34	< 2	82	< 0.1			
4300S 5150E	254 202	< 5	< 0.2	8	2	10	< 1	< 1	20	< 2	110	< 0.1			
4300S 5200E	254 202	< 5	< 0.2	16	4	12	< 1	3	16	< 2	124	< 0.1			
4300S 5250E	254 202	< 5	< 0.2	28	4	17	< 1	2	20	2	126	< 0.1			
4300S 5300E	254 202	< 5	0.2	< 2	2	9	< 1	< 1	24	< 2	146	< 0.1			
4300S 5350E	254 202	< 5	< 0.2	8	4	9	< 1	1	22	< 2	72	< 0.1			
4300S 5400E	254 202	< 5	< 0.2	6	4	9	< 1	3	12	< 2	70	< 0.1			
4300S 5450E	254 202	< 5	< 0.2	10	2	5	< 1	< 1	10	< 2	50	< 0.1			
4300S 5500E	254 202	< 5	< 0.2	22	2	15	< 1	4	12	< 2	104	< 0.1			
4300S 5550E	254 202	< 5	< 0.2	28	4	12	< 1	1	16	< 2	92	< 0.1			
4300S 5600E	254 202	< 5	< 0.2	6	2	4	< 1	< 1	6	< 2	26	< 0.1			
4300S 5650E	254 202	< 5	< 0.2	48	4	24	< 1	3	34	< 2	194	< 0.1			
4300S 5700E	254 202	< 5	< 0.2	8	2	9	< 1	1	12	< 2	74	< 0.1			
4300S 5750E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 5800E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 5850E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 5900E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 5950E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6000E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6050E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6100E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6150E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6200E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6250E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6300E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6350E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6400E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6450E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6500E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6550E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6600E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6650E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6700E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6750E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6800E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			

CERTIFICATION: Hart Buchler



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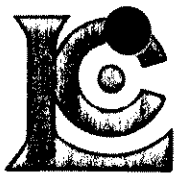
Project : HYLAND  
 Comments : ATTN: TERRY TUCKER

## CERTIFICATE OF ANALYSIS A9427282

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
4300S 6850E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6900E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 6950E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7000E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7050E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7100E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7150E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7200E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7250E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7300E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7350E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7400E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7450E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7500E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7550E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7600E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7650E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7700E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7750E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7800E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7850E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7900E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 7950E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4300S 8000E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4500S 2800E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
4500S 2850E	254 202	< 5	0.2	52	< 2	37	< 1	2	64	4	558	< 0.1			
4500S 2900E	254 202	< 5	0.2	28	< 2	69	< 1	2	34	2	1020	< 0.1			
4500S 2950E	254 202	< 5	0.2	26	< 2	29	< 1	2	30	4	184	< 0.1			
4500S 3000E	254 202	< 5	< 0.2	26	< 2	27	< 1	2	28	< 2	132	< 0.1			
4500S 3050E	254 202	< 5	< 0.2	32	< 2	28	< 1	2	36	4	174	< 0.1			
4500S 3100E	254 202	< 5	< 0.2	22	< 2	14	< 1	1	26	6	144	< 0.1			
4500S 3150E	254 202	< 5	< 0.2	44	< 2	28	< 1	6	36	6	236	< 0.1			
4500S 3200E	254 202	< 5	< 0.2	12	< 2	13	< 1	1	30	< 2	100	< 0.1			
4500S 3250E	254 202	< 5	< 0.2	62	< 2	27	< 1	1	18	< 2	120	< 0.1			
4500S 3300E	254 202	< 5	< 0.2	32	< 2	11	< 1	1	16	4	144	< 0.1			
4500S 3350E	254 202	< 5	0.2	28	< 2	18	< 1	< 1	134	2	572	< 0.1			
4500S 3400E	254 202	< 5	< 0.2	16	< 2	11	< 1	< 1	30	2	148	< 0.1			
4500S 3450E	254 202	< 5	0.6	20	< 2	14	< 1	< 1	30	< 2	148	< 0.1			
4500S 3500E	254 202	< 5	< 0.2	16	< 2	14	< 1	1	86	2	166	< 0.1			
4500S 3550E	254 202	< 5	< 0.2	56	< 2	29	1	< 1	330	2	356	< 0.1			

CERTIFICATION:

*Terry Tucker*



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Project: HYLAND  
 Comments: ATTN: TERRY TUCKER

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 Invoice No. : I9427282  
 P.O. Number : 6405  
 Account : GP

## CERTIFICATE OF ANALYSIS A9427282

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
4500S 3600E	254 202	< 5	0.2	36	< 2	41	< 1	< 1	84	< 2	218	< 0.1			
4500S 3650E	254 202	< 5	< 0.2	22	< 2	14	< 1	< 1	20	2	88	< 0.1			
4500S 3700E	254 202	< 5	< 0.2	44	< 2	32	< 1	1	34	4	134	< 0.1			
4500S 3750E	254 202	< 5	< 0.2	26	< 2	27	< 1	1	28	8	134	0.1			
4500S 3800E	254 202	< 5	< 0.2	24	< 2	14	< 1	1	20	< 2	98	< 0.1			
4500S 3850E	254 202	< 5	< 0.2	28	< 2	10	< 1	2	116	4	154	< 0.1			
4500S 3900E	254 202	< 5	< 0.2	8	< 2	9	< 1	4	6	2	128	< 0.1			
4500S 3950E	254 202	< 5	< 0.2	10	< 2	7	< 1	2	8	4	76	< 0.1			
4500S 4000E	254 202	< 5	1.0	206	< 2	52	< 1	< 1	142	20	388	< 0.1			
4500S 4050E	254 202	< 5	0.2	130	< 2	43	< 1	1	112	4	232	< 0.1			
4500S 4100E	254 202	< 5	0.4	56	< 2	39	< 1	< 1	50	6	118	< 0.1			
4500S 4150E	254 202	20	1.2	166	< 2	45	1	< 1	236	6	218	< 0.1			
4500S 4200E	254 202	< 5	0.4	168	< 2	26	< 1	< 1	156	10	94	< 0.1			
4500S 4250E	254 202	< 5	1.2	128	< 2	52	< 1	< 1	150	2	206	< 0.1			
4500S 4300E	254 202	< 5	< 0.2	82	< 2	30	1	< 1	86	2	194	< 0.1			
4500S 4350E	254 202	< 5	0.4	154	< 2	41	< 1	< 1	172	4	340	< 0.1			
4500S 4400E	254 202	< 5	< 0.2	30	< 2	15	< 1	< 1	16	2	32	< 0.1			
4500S 4450E	254 202	< 5	0.2	46	< 2	19	< 1	1	24	2	90	0.1			
4500S 4500E	254 202	< 5	0.4	52	< 2	21	1	2	20	4	90	0.1			
4500S 4550E	254 202	< 5	0.2	30	< 2	27	1	< 1	30	2	56	< 0.1			
4500S 4600E	254 202	< 5	< 0.2	42	< 2	26	< 1	< 1	22	2	64	< 0.1			
4500S 4650E	254 202	< 5	0.2	34	< 2	21	< 1	< 1	28	< 2	94	< 0.1			
4500S 4700E	254 202	< 5	< 0.2	18	< 2	13	< 1	< 1	16	< 2	64	< 0.1			
4500S 4750E	254 202	< 5	< 0.2	32	< 2	19	< 1	< 1	18	< 2	58	< 0.1			
4500S 4800E	254 202	< 5	< 0.2	24	< 2	17	< 1	< 1	34	< 2	78	< 0.1			
4500S 4850E	254 202	< 5	< 0.2	30	< 2	19	1	< 1	22	4	72	< 0.1			
4500S 4900E	254 202	< 5	< 0.2	24	< 2	20	1	< 1	24	< 2	50	< 0.1			
4500S 4950E	254 202	< 5	< 0.2	8	< 2	13	< 1	< 1	18	2	46	< 0.1			
4500S 5000E	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			

CERTIFICATION: Hunter Buchler



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Project: HYLAND  
 Comments: ATTN: TEERY TUCKER

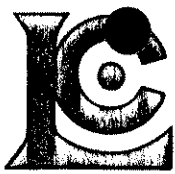
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 Certificate Date: 04-OCT-94  
 Invoice No.: 19427283  
 P.O. Number: 6405  
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## CERTIFICATE OF ANALYSIS A9427283

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
5000E 2500S	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
5000E 2525S	254 202	< 5	< 0.2	22	< 2	25	< 1	< 1	22	< 2	104	0.2			
5000E 2550S	254 202	< 5	< 0.2	< 2	< 2	7	< 1	< 1	16	< 2	54	< 0.1			
5000E 2575S	254 202	< 5	< 0.2	12	< 2	8	< 1	< 1	14	< 2	46	< 0.1			
5000E 2600S	254 202	< 5	< 0.2	8	< 2	9	< 1	< 1	18	< 2	46	0.2			
5000E 2625S	254 202	< 5	< 0.2	8	< 2	12	< 1	1	10	< 2	56	0.1			
5000E 2650S	254 202	< 5	< 0.2	2	< 2	18	< 1	< 1	16	< 2	68	< 0.1			
5000E 2675S	254 202	< 5	< 0.2	12	< 2	24	1	< 1	22	< 2	76	< 0.1			
5000E 2700S	254 202	< 5	< 0.2	20	< 2	25	< 1	1	22	< 2	82	< 0.1			
5000E 2725S	254 202	< 5	< 0.2	24	< 2	15	< 1	1	20	< 2	72	0.1			
5000E 2750S	254 202	< 5	< 0.2	22	< 2	19	< 1	< 1	18	< 2	66	< 0.1			
5000E 2775S	254 202	< 5	< 0.2	12	< 2	14	< 1	< 1	24	< 2	80	0.2			
5000E 2800S	254 202	< 5	< 0.2	12	< 2	8	< 1	< 1	8	< 2	58	0.1			
5000E 2825S	254 202	< 5	< 0.2	4	< 2	7	< 1	< 1	10	< 2	48	0.2			
5000E 2850S	254 202	< 5	< 0.2	8	< 2	11	< 1	< 1	18	< 2	66	0.2			
5000E 2875S	254 202	< 5	< 0.2	4	< 2	13	< 1	< 1	14	< 2	54	< 0.1			
5000E 2900S	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
5000E 2925S	254 202	< 5	< 0.2	8	< 2	6	< 1	< 1	20	< 2	34	0.1			
5000E 2950S	254 202	< 5	< 0.2	4	< 2	6	< 1	< 1	16	< 2	54	0.1			
5000E 2975S	254 202	< 5	< 0.2	16	< 2	9	< 1	1	18	< 2	68	0.1			
5000E 3000S	254 202	< 5	< 0.2	6	< 2	9	< 1	< 1	14	< 2	50	0.1			
5000E 3025S	254 202	< 5	< 0.2	20	< 2	13	< 1	< 1	16	< 2	56	0.2			
5000E 3050S	254 202	< 5	< 0.2	< 2	< 2	7	< 1	< 1	8	< 2	32	0.2			
5000E 3075S	254 202	< 5	< 0.2	14	< 2	11	< 1	< 1	16	< 2	32	0.1			
5000E 3100S	254 202	< 5	< 0.2	16	< 2	16	< 1	< 1	32	< 2	66	0.1			
5000E 3125S	254 202	< 5	< 0.2	16	< 2	15	< 1	< 1	22	< 2	142	0.1			
5000E 3150S	254 202	< 5	< 0.2	22	< 2	22	< 1	< 1	28	< 2	76	0.1			
5000E 3175S	254 202	< 5	< 0.2	16	< 2	9	< 1	< 1	20	< 2	42	< 0.1			
5000E 3200S	254 202	< 5	< 0.2	14	< 2	15	1	< 1	24	< 2	58	< 0.1			
5000E 3225S	254 202	< 5	< 0.2	< 2	< 2	8	< 1	< 1	22	< 2	122	< 0.1			
5000E 3250S	254 202	< 5	< 0.2	6	< 2	11	< 1	< 1	28	< 2	72	0.1			
5000E 3275S	254 202	< 5	< 0.2	22	< 2	16	< 1	< 1	32	< 2	64	< 0.1			
5000E 3300S	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
5000E 3325S	254 202	< 5	< 0.2	8	< 2	14	< 1	< 1	14	< 2	76	< 0.1			
5000E 3350S	254 202	< 5	< 0.2	4	< 2	8	1	< 1	14	< 2	104	0.1			
5000E 3375S	254 202	< 5	< 0.2	8	< 2	10	< 1	< 1	18	106	90	< 0.1			
5000E 3400S	254 202	< 5	< 0.2	8	< 2	17	< 1	< 1	42	136	86	< 0.1			
5000E 3425S	254 202	< 5	< 0.2	8	< 2	9	< 1	< 1	18	4	130	0.1			
5000E 3450S	254 202	< 5	< 0.2	12	< 2	7	< 1	< 1	28	110	58	< 0.1			
5000E 3475S	254 202	< 5	< 0.2	6	< 2	12	< 1	< 1	20	< 2	76	< 0.1			

CERTIFICATION:

*Hart Buchler*



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 VANCOUVER, BC  
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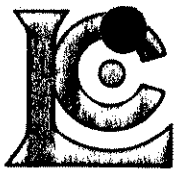
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 Comments: ATTN: TEERY TUCKER

Page Number : 2  
 Total Pages : 7  
 Certificate Date: 04-OCT-94  
 Invoice No. : I9427283  
 P.O. Number : 6405  
 Account : GP

## CERTIFICATE OF ANALYSIS A9427283

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
5000E 3500S	254 202	< 5	< 0.2	12	< 2	11	< 1	< 1	8	2	60	0.1			
5000E 3525S	254 202	< 5	< 0.2	< 2	< 2	3	< 1	< 1	18	< 2	38	0.1			
5000E 3550S	254 202	< 5	0.2	10	< 2	18	< 1	< 1	26	< 2	104	< 0.1			
5000E 3575S	254 202	< 5	< 0.2	14	< 2	22	< 1	1	46	< 2	102	0.2			
5000E 3600S	254 202	< 5	< 0.2	4	< 2	10	< 1	< 1	18	< 2	82	0.1			
5000E 3625S	254 202	< 5	0.2	8	< 2	13	< 1	< 1	24	< 2	70	< 0.1			
5000E 3650S	254 202	< 5	0.2	10	< 2	20	< 1	< 1	48	< 2	100	< 0.1			
5000E 3675S	254 202	< 5	< 0.2	2	< 2	9	1	< 1	28	< 2	72	< 0.1			
5000E 3700S	254 202	< 5	< 0.2	12	< 2	24	< 1	1	94	< 2	124	0.1			
5000E 3725S	254 202	< 5	0.2	18	< 2	31	1	1	78	2	124	0.1			
5000E 3750S	254 202	< 5	0.2	4	< 2	10	< 1	1	28	< 2	68	0.1			
5000E 3775S	254 202	< 5	0.2	8	< 2	9	< 1	< 1	22	< 2	62	0.1			
5000E 3800S	254 202	< 5	< 0.2	22	< 2	78	< 1	1	30	4	210	0.2			
5000E 3825S	254 202	< 5	0.4	28	< 2	37	< 1	< 1	48	12	72	0.1			
5000E 3850S	254 202	< 5	0.4	24	< 2	36	< 1	< 1	72	< 2	110	0.2			
5000E 3875S	254 202	< 5	0.2	34	< 2	47	< 1	1	36	< 2	84	0.1			
5000E 3900S	254 202	< 5	0.4	26	< 2	35	< 1	1	86	< 2	96	0.1			
5000E 3925S	254 202	< 5	1.4	24	< 2	62	< 1	< 1	342	4	190	0.1			
5000E 3950S	254 202	< 5	0.2	8	< 2	10	< 1	1	22	< 2	58	0.1			
5000E 3975S	254 202	< 5	< 0.2	2	< 2	5	< 1	1	18	< 2	36	0.1			
5000E 4000S	254 202	< 5	0.2	6	< 2	4	< 1	< 1	22	< 2	40	< 0.1			
5000E 4025S	254 202	< 5	0.2	< 2	< 2	5	< 1	< 1	22	< 2	30	0.1			
5000E 4050S	254 202	< 5	0.4	8	< 2	11	< 1	1	32	< 2	50	0.1			
5000E 4075S	254 202	< 5	< 0.2	4	< 2	6	< 1	< 1	54	< 2	60	0.1			
5000E 4100S	254 202	< 5	0.2	4	< 2	7	< 1	< 1	22	< 2	16	0.1			
5000E 4125S	254 202	< 5	0.4	14	< 2	11	1	< 1	20	< 2	168	< 0.1			
5000E 4150S	254 202	< 5	< 0.2	12	< 2	7	< 1	< 1	16	< 2	54	0.1			
5000E 4175S	254 202	< 5	< 0.2	6	< 2	4	< 1	< 1	12	< 2	24	< 0.1			
5000E 4200S	254 202	< 5	< 0.2	< 2	< 2	11	< 1	< 1	4	< 2	14	< 0.1			
5000E 4225S	254 202	< 5	0.6	4	< 2	15	< 1	< 1	12	< 2	92	< 0.1			
5000E 4250S	254 202	< 5	< 0.2	4	< 2	5	< 1	1	10	< 2	46	0.1			
5000E 4275S	254 202	< 5	< 0.2	22	< 2	11	< 1	1	18	< 2	68	0.1			
5000E 4300S	254 202	< 5	< 0.2	12	< 2	8	< 1	1	18	< 2	28	0.1			
5000E 4325S	254 202	< 5	< 0.2	8	< 2	6	< 1	< 1	16	< 2	34	< 0.1			
5000E 4350S	254 202	< 5	< 0.2	8	< 2	12	< 1	< 1	20	< 2	44	0.1			
5000E 4375S	254 202	< 5	< 0.2	4	< 2	6	< 1	1	18	< 2	42	< 0.1			
5000E 4400S	254 202	< 5	< 0.2	4	< 2	5	< 1	1	10	< 2	46	0.1			
5000E 4425S	254 202	< 5	0.2	8	< 2	9	< 1	< 1	22	< 2	62	< 0.1			
5000E 4450S	254 202	< 5	0.2	12	< 2	10	< 1	1	24	< 2	56	0.1			
5000E 4475S	254 202	< 5	< 0.2	24	< 2	14	< 1	< 1	18	2	36	< 0.1			

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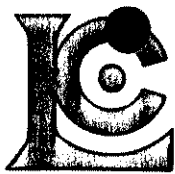
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 Certificate Date: 04-OCT-94  
 Invoice No. : 19427283  
 P.O. Number : 6405  
 Account : GP

Project : HYLAND  
 Comments: ATTN: TEERY TUCKER

## CERTIFICATE OF ANALYSIS A9427283

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
5000E 4500S	254 202	< 5	< 0.2	26	< 2	13	< 1	1	20	2	38	< 0.1			
5000E 4525S	254 202	< 5	< 0.2	50	< 2	33	< 1	< 1	26	8	52	0.1			
5000E 4550S	254 202	< 5	< 0.2	52	2	21	< 1	< 1	22	2	46	0.1			
5000E 4575S	254 202	< 5	< 0.2	< 2	< 2	4	< 1	< 1	18	< 2	42	< 0.1			
5000E 4600S	254 202	< 5	< 0.2	20	< 2	8	< 1	< 1	16	< 2	42	< 0.1			
5000E 4625S	254 202	< 5	< 0.2	12	< 2	5	< 1	< 1	16	< 2	40	< 0.1			
5000E 4650S	254 202	< 5	< 0.2	24	< 2	14	< 1	< 1	16	< 2	40	0.1			
5000E 4675S	254 202	< 5	0.2	60	< 2	34	< 1	< 1	104	< 2	88	< 0.1			
5000E 4700S	254 202	< 5	< 0.2	4	< 2	7	1	< 1	14	< 2	48	0.2			
5000E 4725S	254 202	< 5	< 0.2	18	< 2	8	< 1	< 1	20	< 2	76	0.1			
5000E 4750S	254 202	< 5	< 0.2	44	< 2	16	< 1	< 1	26	< 2	52	0.2			
5000E 4775S	254 202	< 5	< 0.2	42	2	12	< 1	< 1	10	< 2	36	0.1			
5000E 4800S	254 202	< 5	< 0.2	130	6	41	< 1	< 1	38	< 2	78	0.1			
5000E 4825S	254 202	< 5	< 0.2	118	6	32	< 1	< 1	22	< 2	74	0.1			
5000E 4850S	254 202	< 5	< 0.2	76	2	17	< 1	< 1	22	< 2	78	0.2			
5000E 4875S	254 202	< 5	< 0.2	50	< 2	13	< 1	1	24	2	56	< 0.1			
5000E 4900S	254 202	< 5	< 0.2	60	< 2	11	< 1	< 1	16	2	38	0.1			
5000E 4925S	254 202	< 5	< 0.2	4	< 2	3	< 1	< 1	2	2	4	0.1			
5000E 4950S	254 202	< 5	< 0.2	68	< 2	18	< 1	1	20	< 2	42	0.1			
5000E 4975S	254 202	< 5	< 0.2	10	< 2	3	< 1	< 1	2	< 2	6	0.1			
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94JTL 041	254 202	< 5	< 0.2	6	< 2	24	< 1	< 1	22	< 2	82	< 0.1			
94JTL 042	254 202	< 5	< 0.2	6	< 2	26	< 1	< 1	24	4	78	0.1			
94JTL 043	254 202	< 5	< 0.2	4	< 2	19	< 1	< 1	18	2	76	0.1			
94JTS 116	254 202	< 5	< 0.2	8	< 2	14	< 1	< 1	26	2	66	< 0.1			
94JTS 117	254 202	< 5	< 0.2	2	< 2	17	< 1	< 1	18	< 2	60	0.1			
94JTS 118	254 202	< 5	< 0.2	12	< 2	10	< 1	< 1	22	< 2	36	< 0.1			
94JTS 119	254 202	< 5	< 0.2	2	< 2	10	< 1	< 1	28	2	44	< 0.1			
94JTS 120	254 202	< 5	< 0.2	6	< 2	14	< 1	< 1	18	2	80	0.1			
94JTS 121	254 202	< 5	< 0.2	8	< 2	18	< 1	< 1	38	< 2	68	< 0.1			
94JTS 122	254 202	< 5	< 0.2	16	< 2	13	< 1	< 1	16	< 2	40	0.1			
94JTS 123	254 202	< 5	< 0.2	14	< 2	11	< 1	< 1	16	2	36	0.2			
94JTS 124	254 202	< 5	< 0.2	6	< 2	9	< 1	1	28	2	28	< 0.1			
94JTS 125	254 202	< 5	< 0.2	2	< 2	55	< 1	< 1	22	< 2	50	< 0.1			
94JTS 126	254 202	< 5	< 0.2	6	< 2	7	< 1	< 1	6	< 2	24	0.1			
94JTS 127	254 202	< 5	< 0.2	6	< 2	46	< 1	< 1	28	< 2	24	0.3			
94JTS 128	254 202	< 5	< 0.2	2	< 2	18	< 1	< 1	14	< 2	52	0.3			
94JTS 129	254 202	< 5	< 0.2	< 2	< 2	25	< 1	< 1	24	< 2	60	0.3			
94JTS 130	254 202	< 5	< 0.2	8	< 2	20	< 1	< 1	20	2	42	< 0.1			

CERTIFICATION: *Hart Buchler*



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Project : HYLAND  
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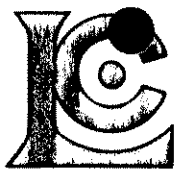
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 P.O. Number : 6405  
 Account : GP

## CERTIFICATE OF ANALYSIS A9427283

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
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94JTS 132	254 202	< 5	< 0.2	8	< 2	18	< 1	< 1	16	2	40	0.1			
94JTS 133	254 202	< 5	< 0.2	12	< 2	25	< 1	< 1	20	< 2	70	0.1			
94JTS 134	254 202	< 5	< 0.2	< 2	< 2	25	< 1	< 1	16	< 2	64	0.1			
94JTS 135	254 202	< 5	< 0.2	< 2	< 2	14	< 1	< 1	16	< 2	46	0.1			
94JTS 136	254 202	< 5	< 0.2	12	< 2	20	< 1	< 1	20	< 2	68	0.2			
94JTS 137	254 202	< 5	< 0.2	4	< 2	39	< 1	< 1	22	< 2	108	0.1			
94JTS 138	254 202	< 5	< 0.2	4	< 2	18	< 1	< 1	18	< 2	54	0.1			
94JTS 139	254 202	< 5	< 0.2	8	< 2	30	< 1	< 1	22	< 2	84	0.3			
94JTS 140	254 202	< 5	< 0.2	6	< 2	20	< 1	< 1	26	4	68	0.1			
94JTS 141	254 202	< 5	< 0.2	< 2	< 2	21	< 1	< 1	18	< 2	60	0.2			
94JTS 142	254 202	< 5	< 0.2	< 2	< 2	13	< 1	< 1	12	< 2	44	0.1			
94JTS 143	254 202	< 5	< 0.2	10	< 2	12	< 1	< 1	8	2	46	0.1			
94JTS 144	254 202	< 5	< 0.2	6	< 2	15	< 1	1	14	< 2	54	0.1			
94JTS 145	254 202	< 5	< 0.2	6	< 2	24	1	< 1	18	< 2	74	0.1			
94JTS 146	254 202	< 5	< 0.2	4	< 2	26	< 1	< 1	22	< 2	74	< 0.1			
94JTS 147	254 202	< 5	< 0.2	6	< 2	19	< 1	< 1	22	4	74	0.1			
94JTS 148	254 202	< 5	< 0.2	12	< 2	19	< 1	< 1	18	< 2	66	0.2			
94JTS 149	254 202	< 5	< 0.2	2	< 2	15	1	< 1	18	< 2	76	0.1			
94JTS 150	254 202	< 5	< 0.2	150	< 2	40	< 1	< 1	84	6	124	< 0.1			
94JTS 151	254 202	< 5	0.4	200	2	45	< 1	1	66	4	106	0.1			
94JTS 152	254 202	< 5	< 0.2	146	2	49	< 1	< 1	84	< 2	132	0.1			
94JTS 153	254 202	< 5	0.4	58	2	17	< 1	< 1	70	2	34	< 0.1			
94JTS 154	254 202	< 5	0.4	318	6	37	< 1	< 1	128	2	98	< 0.1			
94JTS 155	254 202	< 5	0.4	44	< 2	10	< 1	< 1	62	< 2	32	0.1			
94JTS 156	254 202	< 5	0.4	134	2	16	< 1	< 1	70	< 2	60	0.1			
94JTS 157	254 202	< 5	0.2	42	< 2	13	< 1	< 1	40	< 2	74	< 0.1			
94JTS 158	254 202	< 5	< 0.2	30	< 2	10	< 1	< 1	32	< 2	58	0.1			
94JTS 159	254 202	< 5	0.4	152	< 2	50	< 1	< 1	270	4	416	0.1			
94JTS 160	254 202	< 5	0.8	60	< 2	53	< 1	< 1	126	< 2	294	0.2			
94JTS 161	254 202	< 5	0.4	80	< 2	29	< 1	< 1	140	< 2	286	0.1			
94JTS 162	254 202	< 5	0.4	50	< 2	24	< 1	< 1	104	2	254	< 0.1			
94JTS 163	254 202	< 5	< 0.2	56	< 2	28	< 1	< 1	98	4	276	< 0.1			
94JTS 164	254 202	< 5	0.2	12	< 2	9	< 1	< 1	62	4	110	< 0.1			
94JTS 165	254 202	< 5	< 0.2	28	< 2	13	< 1	< 1	26	< 2	90	0.1			
94JTS 166	254 202	< 5	< 0.2	34	< 2	19	< 1	< 1	140	2	222	0.1			
94JTS 167	254 202	< 5	1.6	86	2	39	< 1	< 1	138	< 2	184	< 0.1			
94JTS 168	254 202	< 5	1.4	32	< 2	23	< 1	< 1	158	< 2	258	0.1			
94JTS 169	254 202	< 5	< 0.2	20	< 2	14	< 1	< 1	88	2	96	0.1			
94JTS 170	254 202	< 5	< 0.2	50	< 2	20	< 1	< 1	68	< 2	118	0.1			

CERTIFICATION:

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 PHONE: 604-984-0221

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 VANCOUVER, BC  
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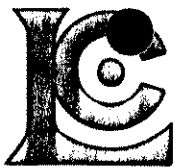
Project: HYLAND  
 Comments: ATTN: TEERY TUCKER

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 Certificate Date: 04-OCT-94  
 Invoice No. : I9427283  
 P.O. Number : 6405  
 Account : GP

## CERTIFICATE OF ANALYSIS A9427283

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94JTS 171	254	202	< 5	2.2	74	< 2	132	< 1	< 1	134	< 2	90	< 0.1			
94JTS 172	254	202	< 5	0.2	34	< 2	53	< 1	< 1	292	20	288	< 0.1			
94JTS 173	254	202	< 5	< 0.2	26	< 2	9	< 1	< 1	24	< 2	54	0.1			
94JTS 174	254	202	< 5	0.4	6	< 2	12	< 1	< 1	36	< 2	60	< 0.1			
94JTS 175	254	202	< 5	< 0.2	24	< 2	19	< 1	1	176	< 2	180	< 0.1			
94JTS 176	254	202	< 5	< 0.2	44	< 2	27	< 1	1	110	< 4	200	< 0.1			
94JTS 177	254	202	< 5	< 0.2	18	< 2	18	< 1	2	44	< 2	160	0.1			
94JTS 178	254	202	< 5	0.2	18	< 2	26	< 1	1	62	< 2	172	< 0.1			
94JTS 179	254	202	< 5	0.2	8	< 2	13	< 1	2	24	< 2	74	< 0.1			
94JTS 180	254	202	< 5	< 0.2	< 2	< 2	1	< 1	< 1	6	< 2	6	< 0.1			
94JTS 181	254	202	< 5	0.2	24	< 2	12	< 1	4	22	< 2	114	0.1			
94JTS 182	254	202	< 5	1.0	22	< 2	17	< 1	2	20	< 4	116	0.1			
94JTS 183	254	202	< 5	< 0.2	10	< 2	7	< 1	1	8	< 2	50	0.1			
94JTS 184	254	202	< 5	0.2	16	< 2	11	< 1	2	20	< 2	88	0.2			
94JTS 185	254	202	< 5	< 0.2	12	< 2	6	< 1	3	8	< 2	110	< 0.1			
94JTS 186	254	202	< 5	0.2	26	< 2	8	< 1	3	14	< 2	168	0.1			
94JTS 187	254	202	< 5	< 0.2	34	< 2	22	< 2	9	20	< 8	190	0.2			
94TTS 043	254	202	< 5	< 0.2	52	< 2	23	< 1	< 1	24	< 6	56	0.1			
94TTS 044	254	202	< 5	< 0.2	52	< 2	44	< 1	< 1	26	< 2	80	< 0.1			
94TTS 052	254	202	< 5	< 0.2	54	< 2	24	< 1	< 1	14	< 2	64	< 0.1			
94TTS 053	254	202	< 5	0.4	12	< 2	15	< 1	1	36	< 2	190	< 0.1			
94TTS 054	254	202	< 5	1.0	22	< 2	21	< 1	3	184	< 2	920	0.1			
94TTS 055	254	202	< 5	4.6	16	< 2	20	< 1	3	18	< 2	254	< 0.1			
94TTS 056	254	202	< 5	3.8	6	< 2	66	< 1	3	94	< 2	236	0.1			
94TTS 057	254	202	< 5	< 0.2	14	< 2	29	< 1	2	26	< 2	104	< 0.1			
94TTS 058	254	202	< 5	< 0.2	2	< 2	13	< 1	< 1	18	< 2	92	0.1			
94TTS 059	254	202	< 5	< 0.2	6	< 2	15	< 1	< 1	16	< 4	82	< 0.1			
94TTS 060	254	202	< 5	< 0.2	6	< 2	15	< 1	1	18	< 2	80	0.1			
94TTS 061	254	202	< 5	< 0.2	16	< 2	17	< 1	1	18	< 2	80	0.1			
94TTS 062	254	202	< 5	< 0.2	2	< 2	4	< 1	< 1	2	< 2	18	0.1			
94TTS 063	254	202	< 5	< 0.2	6	< 2	16	< 1	1	14	< 2	122	< 0.1			
94TTS 064	254	202	< 5	< 0.2	12	< 2	19	< 1	< 1	24	< 2	84	0.1			
94TTS 065	254	202	< 5	< 0.2	10	< 2	22	< 1	< 1	26	< 2	94	0.1			
94TTS 066	254	202	< 5	< 0.2	10	< 2	12	< 1	1	16	< 6	84	0.1			
94TTS 067	254	202	< 5	< 0.2	18	< 2	24	< 1	4	22	< 6	140	0.1			
94TTS 068	254	202	< 5	< 0.2	22	< 2	17	< 1	1	18	< 2	114	0.1			
94TTS 069	254	202	< 5	< 0.2	6	< 2	29	< 1	1	26	< 2	110	0.1			
94TTS 070	254	202	< 5	< 0.2	2	< 2	8	< 1	< 1	16	< 4	50	0.1			
94TTS 071	254	202	< 5	< 0.2	6	< 2	26	< 1	1	24	< 4	106	0.1			
94TTS 072	254	202	< 5	< 0.2	8	< 2	31	< 1	1	20	< 4	104	0.1			

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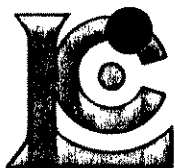
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 Comments: ATTN: TEERY TUCKER

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 Total Pages : 7  
 Certificate Date: 04-OCT-94  
 Invoice No. : 19427283  
 P.O. Number : 6405  
 Account : GP

## CERTIFICATE OF ANALYSIS A9427283

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94TTS 073	254 202	< 5	< 0.2	12	< 2	23	< 1	1	20	2	94	0.1			
94TTS 074	254 202	< 5	0.2	10	< 2	19	< 1	< 1	72	6	26	0.1			
94TTS 075	254 202	< 5	< 0.2	10	< 2	22	< 1	< 1	18	4	62	0.1			
94TTS 076	254 202	< 5	< 0.2	24	< 2	33	< 1	4	32	6	192	0.1			
94TTS 077	254 202	< 5	< 0.2	8	< 2	20	< 1	1	20	4	74	< 0.1			
94TTS 078	254 202	< 5	< 0.2	12	< 2	23	< 1	1	20	4	68	< 0.1			
94TTS 079	254 202	< 5	0.2	6	< 2	16	< 1	2	16	2	50	< 0.1			
94TTS 080	254 202	< 5	< 0.2	18	< 2	32	< 1	2	22	2	92	0.1			
94TTS 081	254 202	< 5	< 0.2	20	< 2	13	< 1	1	20	4	48	0.1			
94TTS 082	254 202	< 5	< 0.2	26	< 2	35	< 1	1	108	8	164	0.1			
94TTS 083	254 202	< 5	< 0.2	22	< 2	43	< 1	4	30	4	154	0.1			
94YTS 361	254 202	< 5	< 0.2	18	< 2	22	< 1	1	8	2	86	< 0.1			
94YTS 362	254 202	< 5	< 0.2	28	< 2	31	< 1	1	14	6	98	< 0.1			
94YTS 363	254 202	< 5	< 0.2	34	< 2	30	< 1	1	14	4	94	0.1			
94YTS 364	254 202	< 5	< 0.2	24	< 2	25	< 1	1	14	4	78	0.1			
94YTS 365	254 202	< 5	< 0.2	48	< 2	23	< 1	< 1	16	4	90	< 0.1			
94YTS 366	254 202	< 5	< 0.2	24	< 2	23	< 1	< 1	14	2	60	< 0.1			
94YTS 367	254 202	< 5	< 0.2	22	< 2	17	< 1	< 1	16	2	58	< 0.1			
94YTS 368	254 202	< 5	< 0.2	24	< 2	20	< 1	< 1	8	4	62	< 0.1			
94YTS 369	254 202	< 5	< 0.2	22	< 2	32	< 1	< 1	18	6	92	0.1			
94YTS 370	254 202	< 5	< 0.2	36	< 2	26	< 1	< 1	10	4	80	< 0.1			
94YTS 371	254 202	< 5	< 0.2	40	< 2	19	< 1	1	12	4	64	< 0.1			
94YTS 372	254 202	< 5	< 0.2	44	< 2	26	< 1	< 1	14	4	72	< 0.1			
94YTS 373	254 202	< 5	< 0.2	< 2	< 2	9	< 1	< 1	12	2	44	< 0.1			
94YTS 374	254 202	< 5	< 0.2	6	< 2	13	< 1	1	16	2	68	< 0.1			
94YTS 375	254 202	< 5	< 0.2	8	< 2	10	< 1	< 1	14	2	46	< 0.1			
94YTS 376	254 202	< 5	< 0.2	2	< 2	16	< 1	< 1	14	2	82	0.1			
94YTS 377	254 202	< 5	0.2	4	< 2	36	< 1	< 1	16	4	64	0.1			
94YTS 378	254 202	< 5	0.2	6	< 2	33	< 1	< 1	12	4	62	< 0.1			
94YTS 379	254 202	< 5	< 0.2	8	< 2	26	< 1	< 1	18	4	70	< 0.1			
94YTS 380	254 202	< 5	< 0.2	8	< 2	20	< 1	< 1	18	2	56	< 0.1			
94YTS 381	254 202	< 5	< 0.2	10	< 2	42	< 1	< 1	18	4	82	< 0.1			
94YTS 382	254 202	< 5	< 0.2	4	< 2	47	< 1	< 1	18	4	60	< 0.1			
94YTS 383	254 202	< 5	< 0.2	6	< 2	11	< 1	< 1	8	2	52	0.1			
94TTV 019	254 202	145	1.0	22	< 2	82	< 1	4	104	2	782	< 0.1			
94TTV 020	254 202	150	1.6	48	< 2	137	< 1	11	184	2	2210	< 0.1			
94TTV 021	254 202	135	1.6	36	< 2	166	< 1	14	196	4	3130	< 0.1			
94TTV 022	254 202	210	0.4	26	< 2	49	< 1	7	42	4	522	< 0.1			
94TTV 023	254 202	145	0.2	10	< 2	31	< 1	1	16	4	108	< 0.1			
94TTV 024	254 202	< 5	< 0.2	14	< 2	28	< 1	1	12	2	98	< 0.1			

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Project: HYLAND  
Comments: ATTN: TEERY TUCKER

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Invoice No. : I9427283  
P.O. Number : 6405  
Account : GP

## CERTIFICATE OF ANALYSIS

A9427283

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94TTV 025	254 202	< 5	< 0.2	14	< 2	31	< 1	1	22	4	102	< 0.1			
94TTV 026	254 202	< 5	< 0.2	6	2	35	< 1	1	18	2	124	< 0.1			
94YTL 028	254 202	< 5	0.2	56	< 2	64	< 1	< 1	16	4	62	< 0.1			

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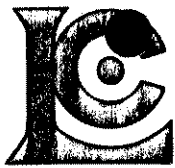
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 Comments: ATTN: T. TUCKER

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 Total Pages : 2  
 Certificate Date: 20-OCT-94  
 Invoice No. : I9428673  
 P.O. Number : 6405  
 Account : GP

## CERTIFICATE OF ANALYSIS A9428673

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94SHL001	254 202	< 5	0.2	38	< 2	30	< 1	1	26	2	104	0.1			
94SHL002	254 202	< 5	0.2	30	< 2	28	1	1	24	2	100	< 0.1			
94SHL003	254 202	< 5	0.2	30	< 2	28	< 1	1	20	2	100	< 0.1			
94SHS001	254 202	< 5	0.4	752	< 2	197	< 1	< 1	32	4	94	0.1			
94SHS002	254 202	< 5	0.4	42	< 2	56	< 1	< 1	16	< 2	36	< 0.1			
94SHS003	254 202	< 5	< 0.2	130	< 2	158	< 1	1	24	< 2	126	0.1			
94SHS004	254 202	< 5	< 0.2	98	< 2	46	< 1	1	16	< 2	62	< 0.1			
94SHS005	254 202	25	< 0.2	158	< 2	95	< 1	< 1	26	4	96	< 0.1			
94SHS006	254 202	20	0.2	152	< 2	122	< 1	< 1	40	2	108	< 0.1			
94SHS007	254 202	5	0.2	60	< 2	30	< 1	< 1	22	2	98	< 0.1			
94SHS008	254 202	10	0.2	28	< 2	15	< 1	< 1	12	< 2	38	< 0.1			
94SHS009	254 202	15	0.2	120	< 2	87	< 1	< 1	28	2	120	0.1			
94SHS010	254 202	10	0.2	78	< 2	41	< 1	< 1	24	< 2	98	< 0.1			
94SHS011	254 202	< 5	0.2	76	< 2	45	< 1	< 1	24	2	86	< 0.1			
94SHS012	254 202	< 5	0.2	76	< 2	40	< 1	< 1	20	< 2	90	< 0.1			
94SHS013	254 202	< 5	0.2	76	< 2	51	< 1	< 1	26	4	96	< 0.1			
94SHS014	254 202	< 5	0.2	48	< 2	33	< 1	< 1	16	< 2	82	< 0.1			
94SHS015	254 202	< 5	0.2	54	< 2	38	< 1	< 1	18	2	92	0.1			
94SHS016	254 202	< 5	0.2	60	< 2	32	< 1	< 1	20	< 2	84	< 0.1			
94SHS017	254 202	< 5	0.2	52	< 2	37	< 1	< 1	18	< 2	104	< 0.1			
94SHS018	254 202	< 5	0.2	30	< 2	26	< 1	< 1	20	< 2	90	< 0.1			
94SHS019	254 202	15	0.2	64	< 2	45	< 1	< 1	30	2	110	< 0.1			
94SHS020	254 202	< 5	< 0.2	58	< 2	41	< 1	< 1	20	< 2	116	< 0.1			
94SHS021	254 202	< 5	0.2	68	< 2	44	< 1	< 1	24	2	104	< 0.1			
94SHS022	254 202	< 5	< 0.2	30	< 2	27	< 1	< 1	22	2	90	< 0.1			
94SHS023	254 202	< 5	0.2	28	< 2	31	< 1	< 1	12	2	84	< 0.1			
94SHS024	254 202	< 5	0.2	18	< 2	34	< 1	< 1	18	2	80	< 0.1			
94SHS025	254 202	< 5	0.2	34	< 2	34	< 1	< 1	26	4	104	0.1			
94SHS026	254 202	< 5	0.2	22	< 2	21	< 1	< 1	18	2	80	< 0.1			
94SHS027	254 202	< 5	0.2	20	< 2	22	< 1	< 1	18	< 2	82	< 0.1			
94SHS028	254 202	< 5	0.6	26	< 2	54	< 1	< 1	36	2	132	< 0.1			
94SHS029	254 202	60	0.2	20	< 2	22	< 1	< 1	26	4	94	< 0.1			
94SHS030	254 202	< 5	0.2	30	< 2	28	< 1	< 1	30	4	88	< 0.1			
94SHS031	254 202	< 5	0.4	20	< 2	20	< 1	< 1	20	< 2	78	< 0.1			
94SHS032	254 202	< 5	0.2	22	< 2	20	< 1	< 1	18	< 2	76	< 0.1			
94SHS033	254 202	< 5	0.2	24	< 2	22	< 1	< 1	18	2	82	< 0.1			
94SHS034	254 202	5	0.2	26	< 2	26	< 1	< 1	18	< 2	88	< 0.1			
94SHS035	254 202	< 5	< 0.2	32	< 2	28	< 1	< 1	24	< 2	106	< 0.1			
94VPS157	254 202	< 5	0.4	394	8	45	< 1	2	30	6	196	< 0.1			
94VPS158	254 202	< 5	0.2	36	< 2	18	1	1	18	2	58	< 0.1			

CERTIFICATION: Hart Buchler



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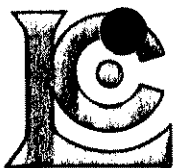
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 Total Pages :2  
 Certificate Date: 20-OCT-94  
 Invoice No. :19428673  
 P.O. Number :6405  
 Account :GP

## CERTIFICATE OF ANALYSIS A9428673

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94VPS162	254 202	20	0.4	284	< 2	42	< 1	3	24	8	202	< 0.1			
94VPS163	254 202	< 5	< 0.2	92	< 2	47	< 1	2	16	6	100	< 0.1			
94VPS164	254 202	< 5	< 0.2	140	2	60	< 1	1	14	8	68	< 0.1			
94VPS166	254 202	20	< 0.2	122	< 2	57	< 1	1	14	6	94	< 0.1			
94VPS168	254 202	20	< 0.2	114	< 2	40	< 1	< 1	24	4	68	< 0.1			
94VPS169	254 202	10	< 0.2	90	2	39	< 1	< 1	20	2	94	< 0.1			
94VPS170	254 202	5	< 0.2	28	< 2	19	< 1	< 1	20	2	54	< 0.1			
94VPS171	254 202	40	< 0.2	82	< 2	33	< 1	1	22	4	70	< 0.1			
94VPS172	254 202	20	< 0.2	106	2	42	< 1	< 1	24	6	80	< 0.1			
94VPS173	254 202	5	< 0.2	44	< 2	21	< 1	< 1	12	2	34	0.1			
94VPS174	254 202	< 5	< 0.2	54	< 2	32	< 1	< 1	12	4	64	< 0.1			
94VPS175	254 202	15	< 0.2	46	2	35	< 1	< 1	22	4	90	< 0.1			
94VPS176	254 202	10	< 0.2	42	< 2	36	< 1	< 1	20	2	94	0.1			
94VPS177	254 202	< 5	< 0.2	28	< 2	24	< 1	< 1	16	2	96	< 0.1			
94VPS178	254 202	< 5	< 0.2	34	< 2	29	< 1	< 1	16	2	84	< 0.1			
94VPS179	254 202	< 5	< 0.2	26	< 2	24	< 1	< 1	14	2	82	< 0.1			
94VPS180	254 202	< 5	< 0.2	20	2	25	< 1	< 1	16	2	78	< 0.1			
94VPS181	254 202	< 5	< 0.2	26	< 2	23	< 1	< 1	16	4	60	< 0.1			
94VPS182	254 202	5	< 0.2	28	< 2	27	< 1	< 1	12	4	90	< 0.1			
94VPS183	254 202	< 5	< 0.2	34	< 2	37	< 1	1	18	4	96	< 0.1			
94VPS184	254 202	< 5	< 0.2	32	< 2	28	< 1	< 1	22	4	88	< 0.1			
94VPS185	254 202	< 5	< 0.2	34	< 2	25	< 1	1	22	2	94	< 0.1			
94VPS186	254 202	< 5	< 0.2	20	< 2	17	< 1	< 1	14	4	74	< 0.1			
94VPS187	254 202	< 5	< 0.2	52	< 2	47	< 1	< 1	32	4	106	< 0.1			
94VPS188	254 202	5	< 0.2	22	< 2	25	< 1	< 1	14	4	96	< 0.1			
94VPS189	254 202	< 5	0.2	24	< 2	25	< 1	< 1	16	2	94	< 0.1			
94VPS190	254 202	< 5	< 0.2	32	< 2	31	< 1	1	18	4	86	0.1			
94VPS191	254 202	< 5	< 0.2	26	< 2	28	< 1	< 1	18	4	92	0.1			
94VPS192	254 202	< 5	< 0.2	32	< 2	32	< 1	< 1	24	6	104	< 0.1			
94VPS193	254 202	< 5	< 0.2	20	< 2	21	< 1	< 1	14	4	84	0.1			
94VPS194	254 202	< 5	< 0.2	22	2	22	< 1	< 1	14	4	90	< 0.1			
94VPS195	254 202	< 5	< 0.2	22	< 2	24	< 1	< 1	18	6	104	< 0.1			
94VPS196	254 202	< 5	< 0.2	26	< 2	31	< 1	< 1	24	4	100	< 0.1			
94VPS197	254 202	< 5	< 0.2	36	< 2	25	< 1	< 1	16	4	68	< 0.1			
94VPS198	254 202	10	< 0.2	28	< 2	24	< 1	1	18	4	82	< 0.1			
94VPS199	254 202	15	< 0.2	34	< 2	23	< 1	< 1	12	4	90	< 0.1			
94VPS200	254 202	15	< 0.2	42	2	21	< 1	< 1	18	2	72	< 0.1			

CERTIFICATION: *Hunter Buchler*



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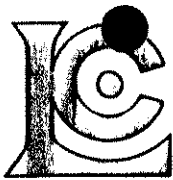
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 Invoice No. : I9428672  
 P.O. Number : 6405  
 Account : GP

## CERTIFICATE OF ANALYSIS A9428672

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94DPC172	205 274	< 5	< 0.2	500	24	28	< 1	< 1	8	6	20	< 0.1			
94DPC173	205 274	5	0.2	966	56	18	< 1	< 1	12	4	2	< 0.1			
94DPC174	205 274	< 5	< 0.2	550	14	13	< 1	< 1	2	6	4	< 0.1			
94DPC175	205 274	< 5	< 0.2	532	6	14	< 1	< 1	12	2	14	< 0.1			
94DPC176	205 274	10	< 0.2	348	10	12	< 1	< 1	2	4	6	< 0.1			
94DPC177	205 274	< 5	< 0.2	474	26	8	< 1	< 1	4	4	2	< 0.1			
94DPC178	205 274	< 5	< 0.2	526	62	11	< 1	< 1	6	6	4	< 0.1			
94DPC179	205 274	< 5	< 0.2	570	12	19	< 1	< 1	12	6	8	< 0.1			
94DPC180	205 274	255	9.6	2810	4060	239	< 1	< 1	88	660	26	0.2			
94DPC181	205 274	< 5	< 0.2	508	8	67	< 1	2	4	18	118	< 0.1			
94DPC182	205 274	10	< 0.2	412	20	83	< 1	1	< 2	24	112	< 0.1			
94DPC183	205 274	35	< 0.2	252	2	24	< 1	< 1	4	2	20	0.1			
94DPC184	205 274	5	< 0.2	150	4	44	< 1	< 1	2	6	46	< 0.1			
94DPC185	205 274	< 5	< 0.2	140	< 2	56	< 1	< 1	4	8	72	< 0.1			
94DPC186	205 274	< 5	< 0.2	100	< 2	67	< 1	< 1	8	6	76	0.1			
94DPC187	205 274	< 5	< 0.2	58	< 2	27	< 1	< 1	< 2	6	14	0.1			
94DPC188	205 274	< 5	< 0.2	130	< 2	39	< 1	< 1	10	8	62	0.2			
94DPR189	205 274	< 5	< 0.2	1020	< 2	129	< 1	< 1	< 2	20	72	< 0.1			
94DPC190	205 274	15	< 0.2	82	< 2	31	< 1	< 1	26	4	72	0.1			
94DPC191	205 274	< 5	< 0.2	116	< 2	28	< 1	< 1	6	6	64	< 0.1			
94DPC192	205 274	< 5	< 0.2	110	< 2	32	< 1	< 1	10	8	28	< 0.1			
94DPC193	205 274	< 5	0.2	354	< 2	32	< 1	< 1	2	6	40	< 0.1			
94DPC194	205 274	< 5	0.2	14	< 2	9	< 1	< 1	4	2	36	< 0.1			
94DPC195	205 274	< 5	0.2	6	< 2	9	< 1	< 1	6	2	18	< 0.1			
94DPC196	205 274	< 5	< 0.2	2	< 2	27	< 1	< 1	4	4	64	< 0.1			
94DPR197	205 274	< 5	< 0.2	26	< 2	32	< 1	< 1	2	4	112	< 0.1			
94DPC198	205 274	< 5	< 0.2	10	< 2	29	< 1	< 1	14	2	66	< 0.1			
94DPC199	205 274	< 5	< 0.2	4	< 2	21	< 1	< 1	14	4	68	< 0.1			
94DPR200	205 274	< 5	< 0.2	10	< 2	30	< 1	< 1	8	4	60	< 0.1			
94SHT001	205 274	< 5	< 0.2	206	< 2	39	< 1	< 1	4	2	46	< 0.1			
94SHT002	205 274	< 5	< 0.2	126	< 2	33	< 1	< 1	8	4	46	< 0.1			
94SHT003	205 274	< 5	< 0.2	180	6	13	< 1	< 1	2	2	30	< 0.1			
94SHT004	205 274	< 5	< 0.2	78	< 2	15	< 1	1	2	4	46	< 0.1			
94SHT005	205 274	< 5	< 0.2	194	6	10	< 1	< 1	< 2	4	18	< 0.1			
94SHR006	205 274	110	0.4	1475	74	3	< 1	< 1	4	8	< 2	< 0.1			
94SHT007	205 274	< 5	< 0.2	100	4	9	< 1	< 1	< 2	< 2	30	< 0.1			
94SHR008	205 274	< 5	< 0.2	46	10	12	< 1	< 1	4	2	12	< 0.1			
94SHT009	205 274	< 5	< 0.2	6380	6	20	< 1	< 1	< 2	10	24	< 0.1			
94SHR010	205 274	2230	< 0.2	>10000	78	28	< 1	< 1	4	162	6	1.1			
94SHT011	205 274	15	< 0.2	156	< 2	27	< 1	< 1	4	2	36	< 0.1			

CERTIFICATION: Hart Buchler



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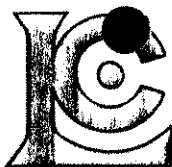
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Comments: ATTN: T. TUCKER

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Invoice No. : I9428672  
P.O. Number : 6405  
Account : GP

## CERTIFICATE OF ANALYSIS A9428672

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94SHT012	205 274	< 5	0.4	100	< 2	20	< 1	< 1	2	6	32	< 0.1			
94SHT013	205 274	10	< 0.2	3790	< 2	34	< 1	< 1	4	6	48	0.1			
94SHR014	205 274	90	0.2	>10000	< 2	14	< 1	< 1	< 2	20	4	0.3			
94SHT015	205 274	< 5	0.2	112	< 2	24	< 1	< 1	8	6	26	< 0.1			
94SHT016	205 274	< 5	0.2	242	< 2	35	< 1	< 1	8	6	46	0.2			
94SHC017	205 274	10	< 0.2	1705	48	29	< 1	< 1	4	8	16	0.1			
94SHC018	205 274	< 5	< 0.2	66	4	22	< 1	< 1	4	4	26	< 0.1			
94SHC019	205 274	< 5	< 0.2	216	4	20	< 1	< 1	2	4	18	< 0.1			
94SHC020	205 274	< 5	< 0.2	152	6	14	< 1	1	6	4	10	0.4			
94SHC021	205 274	< 5	0.2	250	154	34	< 1	< 1	8	14	14	0.2			
94SHC022	205 274	< 5	0.2	170	886	19	< 1	< 1	26	48	8	0.3			
94SHR023	205 274	< 5	< 0.2	54	2	38	< 1	< 1	2	4	42	< 0.1			
94SHR024	205 274	< 5	< 0.2	124	2	8	< 1	< 1	< 2	2	8	< 0.1			
94SHR025	205 274	< 5	0.2	2	2	2	< 1	< 1	2	2	4	< 0.1			
94SHR026	205 274	< 5	< 0.2	6	< 2	7	< 1	< 1	< 2	2	6	0.1			
94SHR027	205 274	< 5	< 0.2	64	< 2	10	< 1	< 1	34	4	52	< 0.1			
94SHR028	205 274	< 5	< 0.2	4	< 2	16	< 1	< 1	4	2	38	0.2			
94SHR029	205 274	< 5	< 0.2	16	< 2	29	< 1	1	6	4	40	< 0.1			
94SHR030	205 274	< 5	< 0.2	196	< 2	22	< 1	< 1	2	2	6	< 0.1			
94SHR031	205 274	< 5	< 0.2	2	< 2	6	< 1	< 1	2	2	26	< 0.1			
94SHR032	205 274	< 5	< 0.2	30	< 2	19	< 1	< 1	< 2	2	14	0.1			
94TTC057	205 274	< 5	< 0.2	846	< 2	8	< 1	< 1	2	4	4	< 0.1			
94TTR058	205 274	< 5	< 0.2	328	< 2	13	< 1	< 1	14	2	8	< 0.1			
94TTC059	205 274	< 5	< 0.2	246	< 2	32	< 1	< 1	4	6	16	0.1			
94TTC060	205 274	< 5	< 0.2	548	18	33	< 1	< 1	< 2	8	20	0.1			
94TTR061	205 274	50	< 0.2	4010	56	24	< 1	1	< 2	6	< 2	0.1			
94TTC062	205 274	10	0.2	926	138	16	1	< 1	2	8	12	< 0.1			
94TTC063	205 274	< 5	0.2	360	8	16	< 1	< 1	2	4	18	< 0.1			
94TTR064	205 274	130	< 0.2	9600	112	43	< 1	< 1	6	16	2	0.2			
94TTC065	205 274	< 5	< 0.2	458	14	12	< 1	< 1	< 2	4	24	0.1			
94TTC066	205 274	10	< 0.2	548	48	7	< 1	< 1	< 2	4	6	< 0.1			
94TTC067	205 274	25	0.2	2640	18	10	< 1	< 1	8	8	4	0.1			
94TTC068	205 274	< 5	< 0.2	406	4	13	< 1	< 1	2	2	14	< 0.1			
94TTC069	205 274	< 5	< 0.2	118	4	19	< 1	< 1	4	10	46	< 0.1			
94TTC070	205 274	< 5	< 0.2	272	2	35	< 1	< 1	4	8	56	< 0.1			
94TTC071	205 274	30	0.2	2330	14	9	< 1	< 1	2	4	< 2	< 0.1			
94TTC072	205 274	< 5	< 0.2	174	< 2	27	< 1	< 1	2	2	84	< 0.1			
94TTC073	205 274	40	0.2	316	14	4	< 1	< 1	< 2	4	2	< 0.1			
94TTR074	205 274	10	< 0.2	616	2	4	< 1	1	2	2	6	0.1			
94TTC075	205 274	< 5	< 0.2	64	10	< 1	< 1	< 1	2	< 2	< 2	< 0.1			

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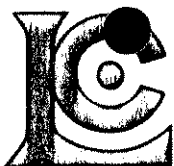
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## CERTIFICATE OF ANALYSIS A9428672

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Fe ppm			
94TTC076	205 274	45	< 0.2	2390	20	8	< 1	< 1	6	4	6	0.1			
94TTC077	205 274	< 5	< 0.2	256	2	13	< 1	< 1	4	2	18	< 0.1			
94TTC078	205 274	135	0.4	7130	98	38	< 1	< 1	4	20	2	< 0.1			
94TTC079	205 274	< 5	1.2	1310	6	13	< 1	< 1	790	194	48	< 0.1			
94TTC080	205 274	< 5	0.2	804	< 2	20	< 1	< 1	112	34	28	< 0.1			
94TTC081	205 274	5	5.0	2440	48	90	< 1	< 1	72	68	8	0.1			
94TTC082	205 274	< 5	2.0	4890	12	81	< 1	< 1	104	80	6	< 0.1			
94TTC083	205 274	15	113.0	2220	184	917	< 1	< 1	350	530	112	< 0.1			
94TTC084	205 274	10	2.4	408	8	25	< 1	< 1	144	24	56	< 0.1			
94TTC085	205 274	< 5	3.6	4970	8	90	< 1	< 1	326	372	10	< 0.1			
94TTC086	205 274	< 5	0.2	194	2	5	< 1	< 1	50	10	< 2	0.1			
94TTC087	205 274	< 5	0.2	216	2	7	< 1	< 1	20	12	2	0.1			
94TTC088	205 274	< 5	0.2	152	< 2	20	< 1	< 1	82	48	4	< 0.1			
94TTC089	205 274	< 5	0.6	48	< 2	12	2	< 1	58	14	18	0.1			
94TTC090	205 274	< 5	1.4	40	< 2	13	4	< 1	774	16	1935	0.2			
94TTC091	205 274	< 5	3.2	2550	10	420	< 1	< 1	1185	506	20	< 0.1			
94TTC092	205 274	< 5	< 0.2	498	8	70	< 1	< 1	12	8	8	0.1			
94TTC093	205 274	50	0.2	844	12	42	< 1	< 1	6	26	12	< 0.1			
94TTC094	205 274	< 5	1.4	26	< 2	16	3	< 1	742	20	1140	0.1			
94TTC095	205 274	< 5	< 0.2	90	< 2	6	< 1	< 1	8	10	14	< 0.1			
94TTC096	205 274	< 5	0.2	2	< 2	1	< 1	< 1	4	2	4	< 0.1			
94TTC097	205 274	10	< 0.2	722	12	10	< 1	< 1	4	10	8	< 0.1			
94TTC098	205 274	5	< 0.2	902	6	10	< 1	< 1	4	8	4	< 0.1			
94TTC099	205 274	5	< 0.2	740	4	9	< 1	< 1	< 2	6	2	< 0.1			
94TTC100	205 274	< 5	0.2	334	< 2	17	< 1	< 1	12	6	10	0.1			
94TTC101	205 274	15	< 0.2	460	12	14	< 1	1	2	10	2	< 0.1			
94TTC102	205 274	< 5	< 0.2	236	< 2	63	< 1	< 1	2	12	2	< 0.1			
94TTC103	205 274	< 5	< 0.2	76	< 2	48	< 1	< 1	< 2	8	4	0.1			
94TTC104	205 274	10	< 0.2	294	12	13	< 1	< 1	2	10	4	0.1			
94TTC105	205 274	< 5	< 0.2	394	2	3	< 1	< 1	< 2	4	< 2	0.1			
94TTC106	205 274	< 5	0.8	78	< 2	23	1	< 1	420	54	246	0.2			
94TTC107	205 274	< 5	0.4	20	< 2	< 1	2	< 1	6	4	4	< 0.1			
94TTC108	205 274	< 5	0.4	26	< 2	3	2	< 1	6	6	16	< 0.1			
94TTR109	205 274	105	< 0.2	6990	22	25	< 1	< 1	< 2	6	2	< 0.1			
94TTR110	-- --	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.	miss.			
94TTR111	205 274	< 5	0.2	28	< 2	7	< 1	< 1	2	4	18	< 0.1			
94TTR112	205 274	< 5	0.2	6	< 2	7	< 1	2	8	< 2	74	< 0.1			
94TTR113	205 274	15	0.2	314	4	1	< 1	< 1	< 2	2	20	< 0.1			
94TTR114	205 274	< 5	< 0.2	318	6	1	< 1	< 1	4	2	16	0.1			
94TTR115	205 274	10	< 0.2	604	8	< 1	< 1	< 1	4	4	2	< 0.1			

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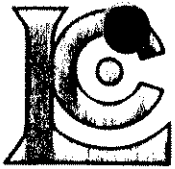
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### A9428672

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94TTR116	205 274	20	< 0.2	2510	12	5	< 1	< 1	10	6	4	0.1			
94TTR117	205 274	15	0.2	348	< 2	< 1	< 1	< 1	< 2	< 2	< 2	< 0.1			
94TTR118	205 274	15	< 0.2	212	< 2	3	< 1	< 1	4	2	14	< 0.1			
94TTR119	205 274	90	< 0.2	200	12	3	< 1	< 1	12	8	18	< 0.1			
94TTR120	205 274	15	< 0.2	410	< 2	1	< 1	< 1	4	2	6	< 0.1			
94TTR121	205 274	45	< 0.2	1260	< 2	7	< 1	< 1	< 2	12	20	< 0.1			
94TTR122	205 274	15	0.2	430	2	< 1	< 1	< 1	2	< 2	< 2	< 0.1			
94TTR123	205 274	45	0.4	44	< 2	< 1	< 1	< 1	12	4	< 2	< 0.1			
94TTR124	205 274	50	0.2	160	6	1	< 1	< 1	6	4	2	< 0.1			
94TTR125	205 274	105	0.4	490	28	6	< 1	< 1	< 2	12	2	< 0.1			
94TTR126	205 274	30	0.4	196	8	< 1	< 1	< 1	4	4	< 2	< 0.1			
94TTR127	205 274	45	0.2	1270	4	3	< 1	< 1	2	6	< 2	0.1			
94VPC135	205 274	< 5	< 0.2	30	< 2	14	1	< 1	< 2	4	36	0.1			
94VPC136	205 274	< 5	< 0.2	286	14	15	< 1	< 1	4	< 2	14	< 0.1			
94VPR137	205 274	< 5	0.2	852	12	22	< 1	< 1	4	2	4	< 0.1			
94VPC138	205 274	5	0.2	654	10	3	1	< 1	4	< 2	< 2	0.1			
94VPC139	205 274	10	0.2	966	6	9	< 1	< 1	4	2	6	< 0.1			
94VPC140	205 274	< 5	0.2	420	6	6	< 1	< 1	2	2	2	< 0.1			
94VPC141	205 274	< 5	0.2	910	28	3	< 1	< 1	6	4	< 2	0.1			
94VPC142	205 274	< 5	0.2	670	6	4	< 1	< 1	4	2	2	0.1			
94VPR143	205 274	< 5	0.2	278	< 2	11	< 1	1	8	4	24	< 0.1			
94VPR144	205 274	< 5	0.2	348	< 2	15	< 1	1	< 2	2	12	< 0.1			
94VPC145	205 274	< 5	< 0.2	684	4	3	< 1	1	< 2	4	< 2	< 0.1			
94VPC146	205 274	< 5	0.8	1180	14	63	< 1	< 1	4	16	6	0.1			
94VPC147	205 274	< 5	0.2	70	< 2	15	1	< 1	< 2	2	30	< 0.1			
94VPC148	205 274	< 5	< 0.2	44	2	12	1	1	6	2	38	< 0.1			
94VPC149	205 274	< 5	< 0.2	18	< 2	13	< 1	< 1	10	4	48	< 0.1			
94VPC150	205 274	< 5	< 0.2	16	< 2	19	< 1	< 1	12	4	42	0.1			
94VPC151	205 274	< 5	< 0.2	20	< 2	18	< 1	< 1	4	4	54	< 0.1			
94VPC152	205 274	< 5	0.2	42	< 2	14	< 1	< 1	6	2	38	< 0.1			
94VPC153	205 274	< 5	0.2	12	< 2	22	< 1	< 1	18	< 2	54	< 0.1			
94VPC154	205 274	< 5	< 0.2	8	< 2	19	< 1	< 1	4	< 2	58	< 0.1			
94VPC155	205 274	< 5	< 0.2	16	< 2	21	< 1	< 1	4	4	48	< 0.1			
94VPC156	205 274	< 5	< 0.2	10	< 2	39	< 1	1	4	2	62	0.2			
94VPC159	205 274	< 5	< 0.2	8	< 2	30	< 1	< 1	28	< 2	58	0.1			
94VPC160	205 274	< 5	< 0.2	34	< 2	22	< 1	< 1	114	< 2	48	0.2			
94VPC161	205 274	< 5	< 0.2	8	< 2	22	< 1	< 1	20	2	54	0.1			
94VPR165	205 274	< 5	0.2	14	< 2	23	< 1	< 1	< 2	4	48	0.1			
94VPR167	205 274	< 5	< 0.2	8	< 2	39	1	< 1	< 2	4	14	0.1			

CERTIFICATION:

*Hart Bickler*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221

WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre  
VANCOUVER, BC  
V7X 1C4

Project: HYLAND  
Comments: ATTN: TERRY TUCKER

Page Number: 1  
Total Pages: 1  
Certificate Date: 23-OCT-94  
Invoice No.: 19429119  
P.O. Number: 6405  
Account: GP

## CERTIFICATE OF ANALYSIS

### A9429119

SAMPLE	PREP CODE	Au ppb RUSH	fusion wt. gm	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm			
94TTV 019 -80	241 229	< 5	-----	1.0	20	< 2	72	< 1	5	106	2	708			
94TTV 020 -80	241 229	< 5	-----	0.8	64	< 2	91	< 1	12	222	6	1735			
94TTV 021 -80	241 229	< 5	-----	1.6	56	< 2	142	< 1	14	204	6	2640			
94TTV 022 -80	241 229	< 5	-----	0.2	38	< 2	46	< 1	7	42	4	488			
94TTV 023 -80	241 229	< 5	-----	< 0.2	4	< 2	22	< 1	1	10	< 2	86			
94TTV 019 -63u *	-- --	1170	1.23	-----	-----	-----	-----	-----	-----	-----	-----	-----			
94TTV 020 -63u *	-- --	2740	0.69	-----	-----	-----	-----	-----	-----	-----	-----	-----			
94TTV 021 -63u *	-- --	6520	0.18	-----	-----	-----	-----	-----	-----	-----	-----	-----			
94TTV 022 -63u *	-- --	1170	0.13	-----	-----	-----	-----	-----	-----	-----	-----	-----			
94TTV 023 -63u *	-- --	420	1.89	-----	-----	-----	-----	-----	-----	-----	-----	-----			

\* THE RESIDUE LEFT IN THE ORIGINAL -63 u SAMPLE BAG

CERTIFICATION:

*Hart Bichler*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
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PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre  
VANCOUVER, BC  
V7X 1C4

Project: 6405 HYLAND  
Comments: ATTN: TERRY TUCKER

Page Number : 1  
Total Pages : 1  
Certificate Date: 17-NOV-94  
Invoice No. : I9430564  
P.O. Number :  
Account : GP

## CERTIFICATE OF ANALYSIS

A9430564

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
SPK-1	205 226	< 5	0.4	2	2	32	< 1	4	64	2	124	0.2			

CERTIFICATION: Hart Beckler

**APPENDIX F**  
**GEOSTATISTICS**

**SOIL DATA**

Conditional Statistics

Parameter : AU  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.00	5.00	0.500	0.500	(a)	4.64	8.40	4.64
2	5.00	5.00	0.200	0.700	(a)	5.00	10.67	4.74
3	5.00	5.00	0.199	0.899	(a)	5.00	21.91	4.80
4	5.00	10.00	0.050	0.950	(a)	5.76	38.05	4.85
5	10.00	525.00	0.050	1.000	(a)	38.05		6.52

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : AG  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.000	0.200	0.500	0.500	(a)	0.188	0.284	0.188
2	0.200	0.200	0.200	0.700	(a)	0.200	0.340	0.191
3	0.200	0.300	0.199	0.899	(a)	0.205	0.609	0.194
4	0.300	0.400	0.050	0.950	(a)	0.393	0.825	0.205
5	0.400	3.100	0.050	1.000	(a)	0.825		0.236

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : AS  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.00	22.00	0.500	0.500	(a)	9.90	96.10	9.90
2	22.00	34.00	0.200	0.700	(a)	27.11	142.16	14.82
3	34.00	72.00	0.199	0.899	(a)	48.43	328.03	22.28
4	72.00	126.00	0.050	0.950	(a)	93.63	562.44	26.05
5	126.00	8350.00	0.050	1.000	(a)	562.44		53.03

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : BI  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.00	2.00	0.500	0.500	(a)	1.84	4.58	1.84
2	2.00	2.00	0.200	0.700	(a)	2.00	6.31	1.89
3	2.00	2.00	0.199	0.899	(a)	2.00	14.85	1.91
4	2.00	4.00	0.050	0.950	(a)	2.98	26.71	1.97
5	4.00	886.00	0.050	1.000	(a)	26.71		3.21

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : CU  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.00	19.00	0.500	0.500	(a)	10.84	32.30	10.84
2	19.00	27.00	0.200	0.700	(a)	23.12	38.43	14.36
3	27.00	37.00	0.199	0.899	(a)	31.13	52.92	18.08
4	37.00	42.00	0.050	0.950	(a)	39.08	66.76	19.19
5	42.00	488.00	0.050	1.000	(a)	66.76		21.58

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : HG  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.000	1.000	0.500	0.500	(a)	0.935	1.011	0.935
2	1.000	1.000	0.200	0.700	(a)	1.000	1.018	0.954
3	1.000	1.000	0.199	0.899	(a)	1.000	1.053	0.964
4	1.000	1.000	0.050	0.950	(a)	1.000	1.105	0.966
5	1.000	2.200	0.050	1.000	(a)	1.105		0.973

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : MO  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.00	1.00	0.500	0.500	(a)	1.00	5.50	1.00
2	1.00	1.00	0.200	0.700	(a)	1.00	8.50	1.00
3	1.00	1.00	0.199	0.899	(a)	1.00	23.38	1.00
4	1.00	4.00	0.050	0.950	(a)	2.20	44.56	1.06
5	4.00	318.00	0.050	1.000	(a)	44.56		3.25

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : PB  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.00	20.00	0.500	0.500	(a)	13.40	49.19	13.40
2	20.00	28.00	0.200	0.700	(a)	23.69	66.20	16.34
3	28.00	48.00	0.199	0.899	(a)	35.43	127.24	20.58
4	48.00	74.00	0.050	0.950	(a)	58.07	196.41	22.56
5	74.00	3220.00	0.050	1.000	(a)	196.41		31.31

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : SB  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.00	2.00	0.500	0.500	(a)	1.99	4.14	1.99
2	2.00	2.00	0.200	0.700	(a)	2.00	5.57	2.00
3	2.00	4.00	0.199	0.899	(a)	3.27	10.14	2.28
4	4.00	6.00	0.050	0.950	(a)	4.98	15.29	2.42
5	6.00	136.00	0.050	1.000	(a)	15.29		3.07

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : ZN  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.00	72.00	0.500	0.500	(a)	43.05	120.31	43.05
2	72.00	90.00	0.200	0.700	(a)	80.60	146.82	53.80
3	90.00	134.00	0.199	0.899	(a)	105.62	228.53	65.29
4	134.00	184.00	0.050	0.950	(a)	155.12	301.93	70.05
5	184.00	1620.00	0.050	1.000	(a)	301.93		81.71

<Q> => Return

<P> => Print

**SILT DATA**

Conditional Statistics

Parameter : Au  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	0.00	0.00	0.500	0.500	(a)	0.00	9.08	0.00
2	0.00	0.00	0.200	0.700	(a)	0.00	15.13	0.00
3	0.00	0.00	0.200	0.900	(a)	0.00	45.29	0.00
4	0.00	0.00	0.020	0.919	(a)	0.00	56.41	0.00
5	0.00	0.00	0.021	0.940	(a)	0.00	75.67	0.00
6	0.00	5.00	0.020	0.960	(a)	0.19	112.73	0.00
7	5.00	40.00	0.020	0.979	(a)	17.96	204.11	0.37
8	40.00	2000.00	0.021	1.000	(a)	204.11		4.55

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Ag  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.000	0.200	0.500	0.500	(a)	0.014	0.368	0.014
2	0.200	0.200	0.200	0.700	(a)	0.200	0.480	0.067
3	0.200	0.400	0.200	0.900	(a)	0.229	0.980	0.103
4	0.400	0.400	0.020	0.920	(a)	0.400	1.127	0.110
5	0.400	0.600	0.020	0.940	(a)	0.471	1.342	0.117
6	0.600	0.600	0.020	0.960	(a)	0.600	1.718	0.128
7	0.600	1.400	0.020	0.980	(a)	0.943	2.474	0.144
8	1.400	8.400	0.020	1.000	(a)	2.474		0.191

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : A1  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	0.26	1.32	0.500	0.500	(a)	1.05	1.72	1.05
2	1.32	1.56	0.200	0.699	(a)	1.44	1.91	1.16
3	1.56	1.94	0.200	0.900	(a)	1.72	2.30	1.29
4	1.94	2.20	0.050	0.950	(a)	2.06	2.53	1.33
5	2.20	3.43	0.050	1.000	(a)	2.53		1.39

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : As  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.00	8.00	0.500	0.500	(a)	4.04	40.78	4.04
2	8.00	16.00	0.200	0.700	(a)	12.65	59.51	6.50
3	16.00	38.00	0.200	0.900	(a)	24.74	128.74	10.55
4	38.00	66.00	0.050	0.950	(a)	50.17	206.57	12.64
5	66.00	3160.00	0.050	1.000	(a)	206.57		22.42

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Ba  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.00	140.00	0.500	0.500	(a)	40.10	558.95	40.10
2	140.00	250.00	0.200	0.700	(a)	188.58	805.48	82.52
3	250.00	740.00	0.200	0.900	(a)	409.03	1594.65	155.08
4	740.00	1510.00	0.050	0.950	(a)	1095.19	2089.44	204.56
5	1510.00	3100.00	0.050	1.000	(a)	2089.44		299.65

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Be  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.0000	0.0000	0.500	0.500	(a)	-0.6264	0.4411	-0.6264
2	0.0000	0.0000	0.200	0.700	(a)	0.0000	0.7347	-0.4474
3	0.0000	0.5000	0.200	0.900	(a)	0.0767	2.0446	-0.3310
4	0.5000	0.5000	0.020	0.920	(a)	0.5000	2.4353	-0.3127
5	0.5000	0.5000	0.020	0.940	(a)	0.5000	3.0703	-0.2955
6	0.5000	0.5000	0.020	0.960	(a)	0.5000	4.3706	-0.2787
7	0.5000	1.0000	0.020	0.980	(a)	0.7024	7.9535	-0.2589
8	1.0000	100.0000	0.020	1.000	(a)	7.9535		-0.0924

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Bi  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.000	0.000	0.500	0.500	(a)	-0.008	1.940	-0.008
2	0.000	2.000	0.200	0.700	(a)	1.222	2.418	0.344
3	2.000	2.000	0.200	0.900	(a)	2.000	3.249	0.712
4	2.000	2.000	0.020	0.920	(a)	2.000	3.565	0.740
5	2.000	2.000	0.020	0.940	(a)	2.000	4.078	0.767
6	2.000	2.000	0.020	0.960	(a)	2.000	5.129	0.793
7	2.000	4.000	0.020	0.980	(a)	2.143	8.047	0.820
8	4.000	76.000	0.020	1.000	(a)	8.047		0.967

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Ca  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	0.030	0.510	0.500	0.500	(a)	0.315	1.258	0.315
2	0.510	0.770	0.200	0.699	(a)	0.626	1.677	0.404
3	0.770	1.310	0.200	0.900	(a)	0.978	3.076	0.532
4	1.310	1.890	0.050	0.950	(a)	1.545	4.606	0.585
5	1.890	15.000	0.050	1.000	(a)	4.606		0.787

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Cd  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	0.00	0.00	0.500	0.500	(a)	0.00	2.75	0.00
2	0.00	0.50	0.200	0.699	(a)	0.39	4.31	0.11
3	0.50	3.00	0.200	0.900	(a)	1.05	10.84	0.32
4	3.00	6.00	0.050	0.950	(a)	4.23	17.45	0.53
5	6.00	52.50	0.050	1.000	(a)	17.45		1.37

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Co  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.00	8.00	0.500	0.500	(a)	1.66	10.74	1.66
2	8.00	10.00	0.200	0.700	(a)	8.54	12.21	3.63
3	10.00	13.00	0.200	0.900	(a)	10.88	14.88	5.24
4	13.00	14.00	0.050	0.950	(a)	13.13	16.61	5.65
5	14.00	39.00	0.050	1.000	(a)	16.61		6.21

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Cr  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	10.00	106.00	0.500	0.500	(a)	75.26	202.02	75.26
2	106.00	149.00	0.200	0.699	(a)	126.01	252.52	89.75
3	149.00	248.00	0.200	0.900	(a)	191.12	375.32	112.33
4	248.00	324.00	0.050	0.950	(a)	285.68	464.95	121.47
5	324.00	1300.00	0.050	1.000	(a)	464.95		138.68

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Cu  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.00	24.00	0.500	0.500	(a)	16.72	42.99	16.72
2	24.00	32.00	0.200	0.700	(a)	27.43	53.34	19.78
3	32.00	50.00	0.200	0.900	(a)	38.77	82.36	24.00
4	50.00	66.00	0.050	0.950	(a)	56.91	107.57	25.73
5	66.00	269.00	0.050	1.000	(a)	107.57		29.86

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Fe  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.00	2.20	0.500	0.500	(a)	0.06	2.92	0.06
2	2.20	2.67	0.200	0.700	(a)	2.43	3.24	0.74
3	2.67	3.27	0.200	0.900	(a)	2.95	3.82	1.23
4	3.27	3.57	0.050	0.950	(a)	3.39	4.24	1.34
5	3.57	15.00	0.050	1.000	(a)	4.24		1.49

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Ga  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.00	0.00	0.500	0.500	(a)	-0.63	4.34	-0.63
2	0.00	0.00	0.200	0.700	(a)	0.00	7.22	-0.45
3	0.00	10.00	0.200	0.900	(a)	5.59	10.47	0.89
4	10.00	10.00	0.020	0.920	(a)	10.00	10.59	1.09
5	10.00	10.00	0.020	0.940	(a)	10.00	10.78	1.28
6	10.00	10.00	0.020	0.960	(a)	10.00	11.18	1.47
7	10.00	10.00	0.020	0.980	(a)	10.00	12.33	1.64
8	10.00	30.00	0.020	1.000	(a)	12.33		1.86

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Hg  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	-1.000	0.000	0.500	0.500	(a)	-0.008	0.885	-0.008
2	0.000	1.000	0.200	0.700	(a)	0.575	1.091	0.159
3	1.000	1.000	0.200	0.900	(a)	1.000	1.272	0.346
4	1.000	1.000	0.020	0.920	(a)	1.000	1.341	0.360
5	1.000	1.000	0.020	0.940	(a)	1.000	1.453	0.374
6	1.000	1.000	0.020	0.960	(a)	1.000	1.682	0.387
7	1.000	2.000	0.020	0.980	(a)	1.143	2.209	0.402
8	2.000	6.000	0.020	1.000	(a)	2.209		0.439

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : K  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	0.020	0.160	0.500	0.500	(a)	0.122	0.236	0.122
2	0.160	0.200	0.200	0.699	(a)	0.179	0.274	0.138
3	0.200	0.280	0.200	0.900	(a)	0.229	0.362	0.159
4	0.280	0.290	0.020	0.920	(a)	0.283	0.382	0.161
5	0.290	0.310	0.020	0.940	(a)	0.302	0.408	0.164
6	0.310	0.350	0.020	0.960	(a)	0.330	0.446	0.168
7	0.350	0.410	0.020	0.979	(a)	0.378	0.513	0.172
8	0.410	0.830	0.021	1.000	(a)	0.513		0.179

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : La  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	0.00	20.00	0.500	0.500	(a)	15.43	38.00	15.43
2	20.00	30.00	0.200	0.699	(a)	26.60	45.57	18.62
3	30.00	50.00	0.200	0.900	(a)	35.27	66.16	22.33
4	50.00	50.00	0.020	0.920	(a)	50.00	70.17	22.93
5	50.00	60.00	0.020	0.940	(a)	57.93	74.20	23.67
6	60.00	60.00	0.020	0.960	(a)	60.00	81.19	24.42
7	60.00	70.00	0.020	0.979	(a)	69.66	92.33	25.34
8	70.00	160.00	0.021	1.000	(a)	92.33		26.72

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Mg  
Class Type : Freq.

Class average estimator : ||  
(a)rithmetic ||  
(m)edian ||

Class	Limits		Cum Freq.	Freq.	Average Class	Above	Below
	Lower	Upper					
1	0.010	0.450	0.500	0.500	(a) 0.369	0.624	0.369
2	0.450	0.520	0.200	0.699	(a) 0.484	0.717	0.402
3	0.520	0.660	0.200	0.900	(a) 0.575	1.000	0.440
4	0.660	0.760	0.050	0.950	(a) 0.702	1.298	0.454
5	0.760	7.770	0.050	1.000	(a) 1.298		0.496

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Mn  
Class Type : Freq.

Class average estimator : ||  
(a)rithmetic ||  
(m)edian ||

Class	Limits		Cum Freq.	Freq.	Average Class	Above	Below
	Lower	Upper					
1	55.00	385.00	0.500	0.500	(a) 276.98	681.17	276.98
2	385.00	495.00	0.200	0.699	(a) 439.79	841.54	323.48
3	495.00	755.00	0.200	0.900	(a) 597.09	1330.45	384.42
4	755.00	970.00	0.050	0.950	(a) 844.25	1816.64	408.67
5	970.00	5790.00	0.050	1.000	(a) 1816.64		479.22

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Mo  
 Class Type : Freq.

Class average estimator : ||  
 (a)rithmetic ||  
 (m)edian ||

Class	Limits		Cum Freq.	Freq.	Average Class	Average	
	Lower	Upper				Above	Below
1	0.00	1.00	0.500	0.500	(a) 0.11	2.35	0.11
2	1.00	1.00	0.200	0.700	(a) 1.00	3.24	0.37
3	1.00	3.00	0.200	0.900	(a) 1.53	6.66	0.63
4	3.00	5.00	0.050	0.950	(a) 3.63	9.68	0.78
5	5.00	56.00	0.050	1.000	(a) 9.68		1.23

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Na  
 Class Type : Freq.

Class average estimator : ||  
 (a)rithmetic ||  
 (m)edian ||

Class	Limits		Cum Freq.	Freq.	Average Class	Average	
	Lower	Upper				Above	Below
1	0.0000	0.0100	0.500	0.500	(a) 0.0090	0.0290	0.0090
2	0.0100	0.0200	0.200	0.699	(a) 0.0175	0.0366	0.0114
3	0.0200	0.0400	0.200	0.900	(a) 0.0251	0.0597	0.0144
4	0.0400	0.0500	0.050	0.950	(a) 0.0426	0.0768	0.0159
5	0.0500	0.1700	0.050	1.000	(a) 0.0768		0.0190

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Ni  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	1.00	24.00	0.500	0.500	(a)	19.57	40.07	19.57
2	24.00	29.00	0.200	0.699	(a)	26.75	48.91	21.62
3	29.00	44.00	0.200	0.900	(a)	34.23	78.27	24.43
4	44.00	59.00	0.050	0.950	(a)	50.21	106.34	25.79
5	59.00	271.00	0.050	1.000	(a)	106.34		29.82

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : P  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	70.00	630.00	0.500	0.500	(a)	493.28	881.39	493.28
2	630.00	740.00	0.200	0.699	(a)	677.94	1016.55	546.02
3	740.00	1040.00	0.200	0.900	(a)	842.57	1364.52	612.07
4	1040.00	1260.00	0.050	0.950	(a)	1136.99	1592.05	639.75
5	1260.00	4050.00	0.050	1.000	(a)	1592.05		687.47

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Pb  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	0.00	16.00	0.500	0.500	(a)	9.51	39.38	9.51
2	16.00	22.00	0.200	0.700	(a)	17.98	53.66	11.93
3	22.00	38.00	0.200	0.900	(a)	28.14	104.47	15.53
4	38.00	52.00	0.050	0.950	(a)	44.23	164.71	17.04
5	52.00	1320.00	0.050	1.000	(a)	164.71		24.45

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Sb  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	0.00	2.00	0.500	0.500	(a)	0.18	2.87	0.18
2	2.00	2.00	0.200	0.700	(a)	2.00	3.45	0.70
3	2.00	4.00	0.200	0.900	(a)	2.43	5.50	1.09
4	4.00	4.00	0.050	0.950	(a)	4.00	7.00	1.24
5	4.00	130.00	0.050	1.000	(a)	7.00		1.53

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Sc  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	0.00	2.00	0.500	0.500	(a)	1.75	3.35	1.75
2	2.00	3.00	0.200	0.699	(a)	2.62	3.84	2.00
3	3.00	4.00	0.200	0.900	(a)	3.27	4.99	2.28
4	4.00	4.00	0.050	0.950	(a)	4.00	5.97	2.37
5	4.00	14.00	0.050	1.000	(a)	5.97		2.55

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Sr  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	3.00	36.00	0.500	0.500	(a)	25.82	66.05	25.82
2	36.00	49.00	0.200	0.699	(a)	42.07	81.98	30.46
3	49.00	81.00	0.200	0.900	(a)	62.10	121.75	37.51
4	81.00	103.00	0.050	0.950	(a)	89.77	153.74	40.27
5	103.00	446.00	0.050	1.000	(a)	153.74		45.95

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : T1  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	0.0000	0.0100	0.500	0.500	(a)	0.0038	0.0286	0.0038
2	0.0100	0.0200	0.200	0.699	(a)	0.0132	0.0388	0.0065
3	0.0200	0.0400	0.200	0.900	(a)	0.0243	0.0678	0.0105
4	0.0400	0.0700	0.050	0.950	(a)	0.0477	0.0879	0.0124
5	0.0700	0.1600	0.050	1.000	(a)	0.0879		0.0162

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : T1  
 Class Type : Freq.

Class average estimator :  
 (a)rithmetic  
 (m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	0.000	0.000	0.500	0.500	(a)	0.000	0.645	0.000
2	0.000	0.000	0.200	0.699	(a)	0.000	1.073	0.000
3	0.000	0.000	0.200	0.900	(a)	0.000	3.219	0.000
4	0.000	10.000	0.070	0.970	(a)	0.098	10.455	0.007
5	10.000	10.000	0.010	0.979	(a)	10.000	10.667	0.105
6	10.000	10.000	0.010	0.990	(a)	10.000	11.333	0.208
7	10.000	30.000	0.010	1.000	(a)	11.333		0.323

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : U  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	0.0000	0.0000	0.500	0.500	(a)	0.0000	0.1920	0.0000
2	0.0000	0.0000	0.200	0.699	(a)	0.0000	0.3196	0.0000
3	0.0000	0.0000	0.200	0.900	(a)	0.0000	0.9589	0.0000
4	0.0000	0.0000	0.020	0.920	(a)	0.0000	1.1966	0.0000
5	0.0000	0.0000	0.020	0.940	(a)	0.0000	1.5909	0.0000
6	0.0000	0.0000	0.020	0.960	(a)	0.0000	2.3729	0.0000
7	0.0000	0.0000	0.020	0.979	(a)	0.0000	4.6667	0.0000
8	0.0000	30.0000	0.021	1.000	(a)	4.6667		0.0961

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : V  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	2.00	27.00	0.500	0.500	(a)	20.77	66.90	20.77
2	27.00	36.00	0.200	0.699	(a)	31.04	90.72	23.71
3	36.00	74.00	0.200	0.900	(a)	48.43	175.30	29.21
4	74.00	85.00	0.020	0.920	(a)	78.93	199.19	30.29
5	85.00	109.00	0.020	0.940	(a)	95.52	233.35	31.67
6	109.00	145.00	0.020	0.960	(a)	126.66	285.80	33.64
7	145.00	240.00	0.020	0.979	(a)	184.90	383.33	36.72
8	240.00	717.00	0.021	1.000	(a)	383.33		43.85

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : W  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	0.00	0.00	0.500	0.500	(a)	0.00	2.69	0.00
2	0.00	0.00	0.200	0.699	(a)	0.00	4.47	0.00
3	0.00	10.00	0.200	0.900	(a)	1.47	10.48	0.33
4	10.00	10.00	0.020	0.920	(a)	10.00	10.60	0.54
5	10.00	10.00	0.020	0.940	(a)	10.00	10.80	0.74
6	10.00	10.00	0.020	0.960	(a)	10.00	11.19	0.93
7	10.00	10.00	0.020	0.979	(a)	10.00	12.33	1.11
8	10.00	30.00	0.021	1.000	(a)	12.33		1.35

<Q> => Return

<P> => Print

Conditional Statistics

Parameter : Zn  
Class Type : Freq.

Class average estimator :  
(a)rithmetic  
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	10.00	92.00	0.500	0.500	(a)	71.92	277.07	71.92
2	92.00	112.00	0.200	0.700	(a)	101.13	394.45	80.27
3	112.00	272.00	0.200	0.900	(a)	150.35	880.34	95.83
4	272.00	588.00	0.050	0.950	(a)	390.30	1370.39	111.38
5	588.00	4570.00	0.050	1.000	(a)	1370.39		174.54

<Q> => Return

<P> => Print

Conditional Statistics

Te

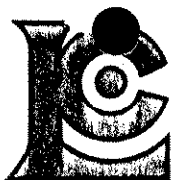
(m)edian

Class	L i m i t s		Freq.	Cum Freq.		A v e r a g e		
	Lower	Upper				Class	Above	Below
1	0.100	0.100	0.499	0.499	(a)	0.100	0.102	0.100
2	0.100	0.100	0.200	0.699	(a)	0.100	0.104	0.100
3	0.100	0.100	0.200	0.899	(a)	0.100	0.112	0.100
4	0.100	0.100	0.020	0.919	(a)	0.100	0.115	0.100
5	0.100	0.100	0.020	0.939	(a)	0.100	0.120	0.100
6	0.100	0.100	0.020	0.959	(a)	0.100	0.130	0.100
7	0.100	0.100	0.020	0.979	(a)	0.100	0.157	0.100
8	0.100	0.300	0.021	1.000	(a)	0.157		0.101

<Q> => Return

<P> => Print

**APPENDIX G**  
**ANALYTICAL PROCEDURES**



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre  
 VANCOUVER, BC  
 V7X 1C4

A9420165

Comments: ATTN: TERRY TUCKER

**CERTIFICATE**

**A9420165**

WESTMIN RESOURCES LTD.

Project:  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 20-JUL-94.

### SAMPLE PREPARATION

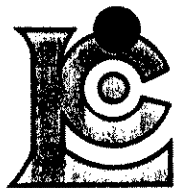
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	3	Dry, sieve to -80 mesh
203	2	Dry, sieve to -35 mesh
205	2	Geochem ring to approx 150 mesh
229	5	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

### ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	5	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	5	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	5	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	5	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	5	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	5	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	5	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	5	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	5	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	5	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	5	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	5	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	5	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	5	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	5	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	5	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	5	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	5	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	5	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	5	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	5	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	5	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	5	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	5	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	5	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	5	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	5	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	5	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	5	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	5	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	5	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	5	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	5	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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A9420164

Comments: ATTN: TERRY TUCKER

CERTIFICATE

A9420164

WESTMIN RESOURCES LTD.

Project:  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 23-JUL-94.

## SAMPLE PREPARATION

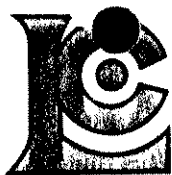
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	32	Geochem ring to approx 150 mesh
226	32	0-5 lb crush and split
229	32	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	32	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	32	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	32	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	32	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	32	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	32	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	32	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	32	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	32	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	32	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	32	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	32	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	32	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	32	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	32	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	32	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	32	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	32	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	32	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	32	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	32	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	32	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	32	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	32	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	32	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	32	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	32	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	32	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	32	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	32	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	32	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	32	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	32	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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A9421617

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Project: HYLAND  
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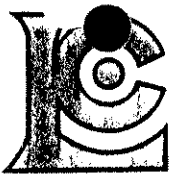
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 7-AUG-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	29	Geochem ring to approx 150 mesh
226	29	0-5 lb crush and split
229	29	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	29	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
1005	29	Ag ppm: 9 element, soil and rock	ICP-AES	0.5	200
1929	29	Co ppm: 9 element, soil & rock	ICP-AES	1	10000
1931	29	Cu ppm: 9 element, soil & rock	ICP-AES	1	10000
1932	29	Fe %: 9 element, soil & rock	ICP-AES	0.01	15.00
1937	29	Mn ppm: 9 element, soil & rock	ICP-AES	5	10000
1938	29	Mo ppm: 9 element, soil & rock	ICP-AES	1	10000
1940	29	Ni ppm: 9 element, soil & rock	ICP-AES	1	10000
1004	29	Pb ppm: 9 element, soil and rock	ICP-AES	2	10000
1950	29	Zn ppm: 9 element, soil & rock	ICP-AES	2	10000
54	29	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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A9421616

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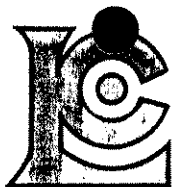
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 8-AUG-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	166	Sieve less than 63 u
229	166	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	165	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	166	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	166	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	166	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	166	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	166	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	166	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	166	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	166	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	166	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	165	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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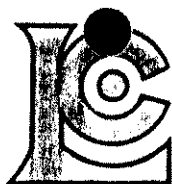
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 15-AUG-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	15	Sieve less than 63 u
202	15	save reject
229	15	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	15	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	15	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	15	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	15	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	15	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	15	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	15	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	15	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	15	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	15	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	15	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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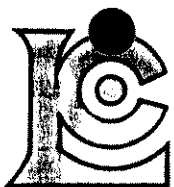
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 16-AUG-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	115	Sieve less than 63 u
202	115	save reject
229	115	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	115	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	115	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	115	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	115	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	115	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	115	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	115	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	115	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	115	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	115	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	115	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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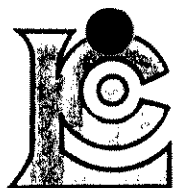
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 16-AUG-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	35	Sieve less than 63 u
202	35	save reject
229	35	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	35	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	35	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	35	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	35	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	35	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	35	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	35	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	35	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	35	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	35	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	35	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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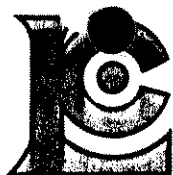
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 16-AUG-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	24	Geochem ring to approx 150 mesh
226	24	0-5 lb crush and split
229	24	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	24	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	24	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	24	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	24	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	24	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	24	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	24	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	24	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	24	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	24	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	24	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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A9422745

Comments: ATTN: TERRY TUCKER CC: HARLAN MEADE

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A9422745

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Project: HYLAND  
P.O. #:

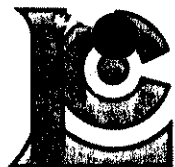
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 23-AUG-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	30	Geochem ring to approx 150 mesh
226	30	0-5 lb crush and split
229	30	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	30	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	30	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	30	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	30	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	30	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	30	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	30	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	30	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	30	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	30	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	30	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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**A9422724**

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Project: HYLAND  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 23-AUG-94.

### SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	144	Sieve less than 63 u
229	144	ICP - AQ Digestion charge

### ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	144	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	144	Aq ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	144	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	144	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	144	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	144	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	144	Ko ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	144	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	144	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	144	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	144	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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Comments: ATTN: TERRY TUCKER CC: HARLAN MEADE

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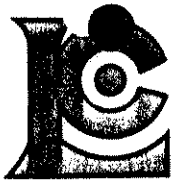
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 23-AUG-94.

### SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	199	Sieve less than 63 u
229	199	ICP - AQ Digestion charge

### ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	199	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	199	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	199	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	199	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	199	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	199	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	199	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	199	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	199	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	199	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	199	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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Page 1 of 1  
 Total Pages: 5  
 Certificate Date: 23-AUG-94  
 Invoice No.: 19422723  
 P.O. Number:  
 Account: GP

Project: HYLAND  
 Comments: ATTN: TERRY TUCKER CC: HARLAN MEADE

## CERTIFICATE OF ANALYSIS A9422723

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Te ppm			
94AHS 016 ✓	254 229	< 5	0.4	36	< 2	18	< 1	< 1	14	4	66	< 0.1			
94AHS 017 ✓	254 229	< 5	0.2	2	< 2	4	< 1	< 1	10	< 2	28	< 0.1			
94AHS 018 ✓	254 229	< 5	< 0.2	< 2	< 2	3	< 1	< 1	4	< 2	6	< 0.1			
94AHS 019 ✓	254 229	< 5	0.4	24	< 2	15	< 1	< 1	18	2	86	< 0.1			
94AHS 020 ✓	254 229	< 5	1.0	52	< 2	12	< 1	< 1	6	4	74	< 0.1			
94AHS 021 ✓	254 229	< 5	1.2	76	2	34	< 1	< 1	32	6	68	0.1			
94AHS 022 ✓	254 229	< 5	0.2	24	< 2	9	< 1	< 1	12	< 2	46	0.1			
94AHS 023 ✓	254 229	< 5	0.4	22	< 2	10	< 1	1	16	< 2	104	< 0.1			
94AHS 024 ✓	254 229	< 5	0.4	30	< 2	14	< 1	1	20	2	56	0.1			
94AHS 025 ✓	254 229	< 5	0.2	6	< 2	9	< 1	1	16	< 2	64	0.1			
94AHS 026 ✓	254 229	< 5	< 0.2	16	< 2	7	< 1	1	12	< 2	54	0.1			
94AHS 027 ✓	254 229	< 5	< 0.2	20	< 2	8	< 1	1	10	< 2	84	< 0.1			
94AHS 028 ✓	254 229	< 5	0.8	14	< 2	32	< 1	1	18	2	246	< 0.1			
94AHS 029 ✓	254 229	< 5	0.2	18	< 2	15	< 1	< 1	14	2	220	< 0.1			
94AHS 030 ✓	254 229	< 5	0.2	16	< 2	6	< 1	< 1	4	< 2	32	< 0.1			
94AHS 031 ✓	254 229	< 5	0.2	30	< 2	13	< 1	1	20	< 2	92	< 0.1			
94AHS 032 ✓	254 229	< 5	< 0.2	2	< 2	3	< 1	< 1	8	< 2	40	< 0.1			
94AHS 033 ✓	254 229	< 5	0.2	72	< 2	9	< 1	< 1	10	< 2	112	< 0.1			
94AHS 034 ✓	254 229	< 5	< 0.2	70	< 2	10	< 1	< 1	6	< 2	54	< 0.1			
94AHS 035 ✓	254 229	< 5	0.2	12	2	8	< 1	< 1	12	< 2	92	< 0.1			
94AHS 036 ✓	254 229	< 5	0.2	128	6	20	< 1	< 1	26	2	84	< 0.1			
94AHS 037 ✓	254 229	< 5	0.4	210	12	25	< 1	< 1	46	< 2	96	< 0.1			
94AHS 038 ✓	254 229	< 5	0.6	252	12	28	< 1	< 1	68	2	100	< 0.1			
94AHS 039 ✓	254 229	< 5	0.8	60	< 2	8	< 1	< 1	28	< 2	28	< 0.1			
94AHS 040 ✓	254 229	< 5	< 0.2	60	4	8	< 1	< 1	20	< 2	22	< 0.1			
94AHS 041 ✓	254 229	10	0.2	198	4	15	< 1	2	46	< 2	44	< 0.1			
94AHS 042 ✓	254 229	< 5	0.2	84	2	26	< 1	1	24	2	76	< 0.1			
94AHS 043 ✓	254 229	< 5	0.2	42	4	84	< 1	1	20	< 2	68	< 0.1			
94AHS 044 ✓	254 229	< 5	0.2	56	2	15	< 1	< 1	16	< 2	38	< 0.1			
94AHS 045 ✓	254 229	15	0.2	194	12	32	< 1	1	22	2	72	< 0.1			
94AHS 046 ✓	254 229	< 5	< 0.2	100	4	31	< 1	1	22	2	66	< 0.1			
94AHS 047 ✓	254 229	30	1.0	106	< 2	28	< 1	< 1	18	6	86	< 0.1			
94AHS 048 ✓	254 229	< 5	< 0.2	16	2	4	< 1	< 1	10	< 2	40	< 0.1			
94AHS 049 ✓	254 229	10	0.2	134	12	46	< 1	1	32	2	84	< 0.1			
94AHS 050 ✓	254 229	5	0.2	94	4	36	< 1	< 1	24	2	74	< 0.1			
94AHS 051 ✓	254 229	< 5	0.4	74	4	16	< 1	1	18	< 2	58	< 0.1			
94AHS 052 ✓	254 229	< 5	0.2	34	2	12	< 1	< 1	14	< 2	66	< 0.1			
94AHS 053 ✓	254 229	10	0.6	80	2	30	< 1	< 1	26	4	56	< 0.1			
94AHS 054 ✓	254 229	< 5	< 0.2	28	< 2	8	< 1	1	2	< 2	22	< 0.1			
94AHS 055 ✓	254 229	< 5	< 0.2	18	< 2	4	< 1	< 1	8	< 2	18	< 0.1			

CERTIFICATION: *Hart Bickler*



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V7X 1C4

A9423513

Comments: ATTN: T. TUCKER CC: HARLAN MEADE

**CERTIFICATE**

**A9423513**

(GP ) - WESTMIN RESOURCES LTD.

Project: HYLAND  
P.O. #: 6405

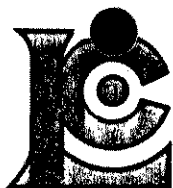
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 30-AUG-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	8	Geochem ring to approx 150 mesh
294	8	Crush and split (6-10 pounds)
229	8	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	8	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	8	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	8	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	8	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	8	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	8	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	8	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	8	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	8	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	8	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	8	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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A9422735

Comments: ATTN: TERRY TUCKER CC: HARLAN MEADE

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A9422735

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Project: HYLAND  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 23-AUG-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	27	Sieve less than 63 u
229	27	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	27	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	27	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	27	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	27	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	27	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	27	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	27	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	27	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	27	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	27	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	27	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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A9423327

Comments: ATTN: TERRY TUCKER

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**A9423327**

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Project: HYLAND  
P.O. #:

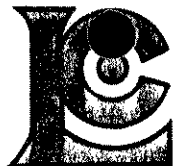
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 29-AUG-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	29	Pulp; prev. prepared at Chemex
229	29	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2118	29	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	29	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	29	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	29	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	29	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	29	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	29	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	29	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	29	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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V7X 1C4

A9423511

Comments: ATTN: T. TUCKER CC: HARLAN MEADE

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A9423511

(GP) - WESTMIN RESOURCES LTD.

Project: HYLAND  
P.O. #: 6405

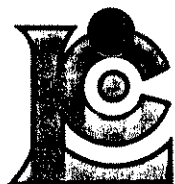
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 30-AUG-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	5	Sieve less than 63 u
202	5	save reject
229	5	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	5	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	5	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	5	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	5	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	5	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	5	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	5	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	5	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	5	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	5	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	5	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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A9423420

Comments: ATTN: T. TUCKER CC: HARLAN MEADE

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A9423420

(GP) - WESTMIN RESOURCES LTD.

Project: HYLAND  
P.O. #: 6485

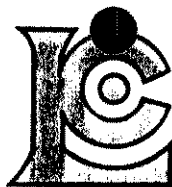
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 31-AUG-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	2	Geochem ring to approx 150 mesh
226	2	0-5 lb crush and split
229	2	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	2	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	2	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	2	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	2	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	2	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	2	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	2	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	2	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	2	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	2	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	2	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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A9423509

Comments: ATTN: T. TUCKER CC: HARLAN MEADE

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**A9423509**

(GP) - WESTMIN RESOURCES LTD.

Project: HYLAND  
P.O. #: 6405

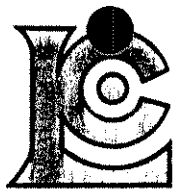
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 1-SEP-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	190	Sieve less than 63 u
202	190	save reject
229	190	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	189	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	190	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	190	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	190	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	190	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	190	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	190	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	190	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	190	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	190	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	190	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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A9423510

Comments: ATTN: T. TUCKER CC: HARLAN MEADE

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**A9423510**

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Project: HYLAND  
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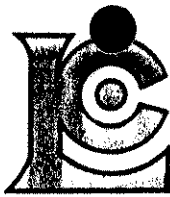
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 2-SEP-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	78	Sieve less than 63 u
202	78	save reject
229	78	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	78	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	78	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	78	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	78	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	78	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	78	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	78	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	78	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	78	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	78	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	78	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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A9423611

Comments: ATTN: T. TUCKER CC: HARLAN MEADE

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**A9423611**

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Project: HYLAND  
 P.O. #: 6405

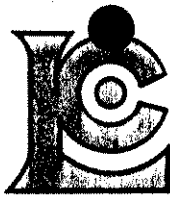
Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 2-SEP-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	36	Sieve less than 63 u
202	36	save reject
229	36	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	36	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
6	36	Ag ppm: HNO3-aqua regia digest	AAS-BKGD CORR	0.2	100.0
2120	36	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	36	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	36	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	36	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	36	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	36	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	36	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	36	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	36	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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A9423652

Comments: ATTN: T. TUCKER CC: HARLAN MEADE

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**A9423652**

(GP) - WESTMIN RESOURCES LTD.

Project: HYLAND  
P.O. #: 6405

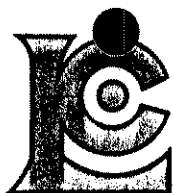
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 2-SEP-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	4	Geochem ring to approx 150 mesh
226	4	0-5 lb crush and split
229	4	ICP - Aq Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	4	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	4	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	4	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	4	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	4	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	4	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	4	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	4	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	4	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	4	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	4	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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A9424161

Comments: ATTN: TERRY TUCKER

**CERTIFICATE**

**A9424161**

(GP) - WESTMIN RESOURCES LTD.

Project: WHITE RIVER  
 P.O. #: 6999

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 9-SEP-94.

## SAMPLE PREPARATION

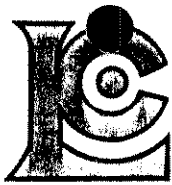
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	107	Dry, sieve to -80 mesh
203	1	Dry, sieve to -35 mesh
205	1	Geochem ring to approx 150 mesh
229	108	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Tl, W.

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	108	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	108	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	108	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	108	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	108	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	108	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	108	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	108	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	108	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	108	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	108	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	108	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	108	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	108	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	108	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	108	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	108	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	108	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	108	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	108	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	108	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	108	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	108	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	108	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	108	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	108	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	108	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	108	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	108	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	108	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	108	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	108	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	108	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



# Chemex Labs Ltd.

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 212 Brooksbank Ave., North Vancouver  
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 PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.  
 P.O. Box 49066, The Bentall Centre  
 VANCOUVER, BC  
 V7X 1C4

A9424623

Comments: ATTN: TERRY TUCKER

CERTIFICATE

A9424623

(GP) - WESTMIN RESOURCES LTD.

Project: WHITE RIVER  
 P.O. #: 6999

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 13-SEP-94.

### SAMPLE PREPARATION

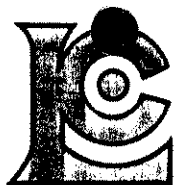
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	37	Geochem ring to approx 150 mesh
294	37	Crush and split (6-10 pounds)
229	37	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

### ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	37	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
997	1	Au g/t: 1 assay ton, grav.	FA-GRAVIMETRIC	0.07	500.0
2118	37	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	37	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	37	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	37	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	37	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	37	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	37	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	37	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	37	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	37	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	37	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	37	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	37	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	37	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	37	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	37	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	37	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	37	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	37	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	37	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	37	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	37	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	37	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	37	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	37	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	37	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	37	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	37	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	37	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	37	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	37	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	37	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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 V7X 1C4

A9424622

Comments: ATTN: TERRY TUCKER

CERTIFICATE

A9424622

(GP) - WESTMIN RESOURCES LTD.

Project: WHITE RIVER  
 P.O. #: 6999

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 13-SEP-94.

## SAMPLE PREPARATION

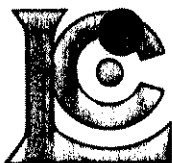
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	59	Dry, sieve to -80 mesh
203	2	Dry, sieve to -35 mesh
205	2	Geochem ring to approx 150 mesh
229	61	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	61	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	61	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	61	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	61	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	61	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	61	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	61	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	61	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	61	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	61	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	61	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	61	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	61	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	61	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	61	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	61	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	61	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	61	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	61	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	61	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	61	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	61	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	61	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	61	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	61	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	61	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	61	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	61	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	61	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	61	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	61	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	61	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	61	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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To: WESTMIN RESOURCES LTD.  
 P.O. Box 49066, The Bentall Centre  
 VANCOUVER, BC  
 V7X 1C4

A9424815

Comments: ATTN: HARLAN MEADE CC: ED RATCHFORD

**CERTIFICATE**

**A9424815**

(GP) - WESTMIN RESOURCES LTD.

Project: HYLAND  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 16-SEP-94.

### SAMPLE PREPARATION

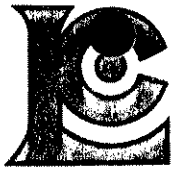
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
221	1	Water sample

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

### ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
621	1	Arsenic (As) mg/L Total GFAA	GFAA	0.001	10000
450	1	Au mg/L	?	0.01	10000
1162	1	Ag mg/L: 32 element, water-direct	ICP-AES	0.001	100.0
1161	1	Al mg/L: 32 element, water-direct	ICP-AES	1	10000
1163	1	As mg/L: 32 element, water-direct	ICP-AES	0.05	1000
1164	1	Ba mg/L: 32 element, water-direct	ICP-AES	0.1	1000
1165	1	Be mg/L: 32 element, water-direct	ICP-AES	0.001	100.0
1166	1	Bi mg/L: 32 element, water-direct	ICP-AES	0.05	1000
1167	1	Ca mg/L: 32 element, water-direct	ICP-AES	0.5	10000
1168	1	Cd mg/L: 32 element, water-direct	ICP-AES	0.001	100.0
1169	1	Co mg/L: 32 element, water-direct	ICP-AES	0.02	1000
1170	1	Cr mg/L: 32 element, water-direct	ICP-AES	0.02	1000
1171	1	Cu mg/L: 32 element, water-direct	ICP-AES	0.01	1000
1172	1	Fe mg/L: 32 element, water-direct	ICP-AES	1	10000
1175	1	K mg/L: 32 element, water-direct	ICP-AES	5	10000
1177	1	Mg mg/L: 32 element, water-direct	ICP-AES	0.05	10000
1178	1	Mn mg/L: 32 element, water-direct	ICP-AES	0.01	1000
1179	1	Mo mg/L: 32 element, water-direct	ICP-AES	0.01	1000
1180	1	Na mg/L: 32 element, water-direct	ICP-AES	1	5000
1181	1	Ni mg/L: 32 element, water-direct	ICP-AES	0.01	1000
1182	1	P mg/L: 32 element, water-direct	ICP-AES	1	1000
1183	1	Pb mg/L: 32 element, water-direct	ICP-AES	0.05	1000
1184	1	Sb mg/L: 32 element, water-direct	ICP-AES	0.05	1000
1186	1	Sr mg/L: 32 element, water-direct	ICP-AES	0.01	1000
1187	1	Ti mg/L: 32 element, water-direct	ICP-AES	1	1000
1190	1	V mg/L: 32 element, water-direct	ICP-AES	0.01	1000
1192	1	Zn mg/L: 32 element, water-direct	ICP-AES	0.01	1000



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P.O. Box 49066, The Bentall Centre  
VANCOUVER, BC  
V7X 1C4

A9425832

Comments: ATTN: TERRY TUCKER

**CERTIFICATE**

**A9425832**

(GP) - WESTMIN RESOURCES LTD.

Project: HYLAND  
P.O. #: 6405

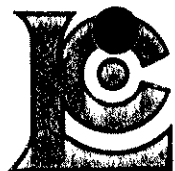
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 21-SEP-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	19	Geochem ring to approx 150 mesh
294	19	Crush and split (6-10 pounds)
229	19	ICP - Aq Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	19	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	19	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	19	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	19	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	19	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	19	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	19	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	19	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	19	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	19	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	19	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221

To: WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre  
VANCOUVER, BC  
V7X 1C4

A9426410

Comments: ATTN: TERRY TUCKER

CERTIFICATE

A9426410

(GP) - WESTMIN RESOURCES LTD.

Project: HYLAND  
P.O. #:

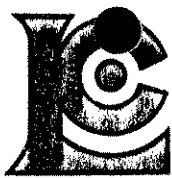
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 27-SEP-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	141	Sieve less than 63 u
202	141	save reject
229	141	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	141	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	141	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	141	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	141	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	141	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	141	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	141	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	141	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	141	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	141	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	141	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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V7X 1C4

A9426415

Comments: ATTN: TERRY TUCKER

**CERTIFICATE**

**A9426415**

(GP ) - WESTMIN RESOURCES LTD.

Project: HYLAND  
P.O. #:

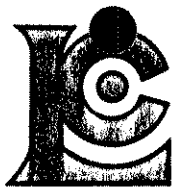
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 26-SEP-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	16	Geochem ring to approx 150 mesh
226	16	0-5 lb crush and split
229	16	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	16	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	16	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	16	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	16	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	16	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	16	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	16	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	16	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	16	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	16	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	16	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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WESTMIN RESOURCES LTD.

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VANCOUVER, BC  
V7X 1C4

A9425877

Comments: ATTN: TERRY TUCKER

**CERTIFICATE**

**A9425877**

(GP) - WESTMIN RESOURCES LTD.

Project: HYLAND  
P.O. #: 6405

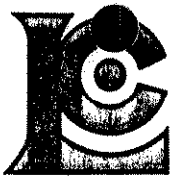
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 29-SEP-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	205	Sieve less than 63 u
202	205	save reject
229	205	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	204	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	205	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	205	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	205	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	205	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	205	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	205	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	205	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	205	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	205	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	205	Te ppm: HBr-Br2 digest, extrac	AAS-BRGD CORR	0.1	100.0



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WESTMIN RESOURCES LTD.

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VANCOUVER, BC  
V7X 1C4

A9427284

Comments: ATTN: TERRY TUCKER

**CERTIFICATE**

**A9427284**

(GP) - WESTMIN RESOURCES LTD.

Project: HYLAND  
P.O. #: 6405

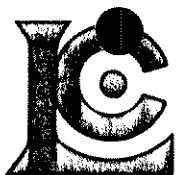
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 28-SEP-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
255	10	RUSH Geo ring to approx 150 mesh
295	10	RUSH Crush and split (0-5 lbs)
233	10	Assay AQ ICP digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
991	10	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	10	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	10	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	10	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	10	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	10	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	10	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	10	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	10	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	10	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	10	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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WESTMIN RESOURCES LTD.

P.O. Box 49066, The Bentall Centre  
VANCOUVER, BC  
V7X 1C4

A9427281

Comments: ATTN: TERRY TUCKER

**CERTIFICATE**

**A9427281**

(GP) - WESTMIN RESOURCES LTD.

Project: HYLAND  
P.O. #: 6405

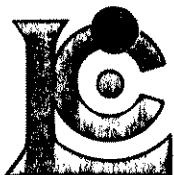
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 4-OCT-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	180	Sieve less than 63 u
202	180	save reject
229	180	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	179	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	180	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	180	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	180	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	180	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	180	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	180	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	180	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	180	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	180	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	180	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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A9426406

Comments: ATTN: TERRY TUCKER

**CERTIFICATE**

**A9426406**

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Project: 6999 PAK & FOOT CLAIM  
P.O. #: 6999

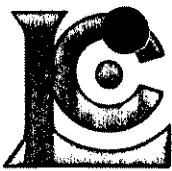
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 2-OCT-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	4	Assay ring to approx 150 mesh
294	4	Crush and split (6-10 pounds)
290	4	Assay HF ICP digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	4	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
1263	4	Ag ppm: high grade 24 element	AAS	0.5	200
573	4	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	4	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	4	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	4	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	4	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	4	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	4	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	4	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	4	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	4	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	4	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	4	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	4	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	4	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	4	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	4	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	4	P ppm: 24 element, rock & core	ICP-AES	10	10000
1264	4	Pb ppm: high grade 24 element	AAS	2	10000
582	4	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	4	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	4	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	4	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	4	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
351	4	Ba %: Carbonate fusion	GRAVIMETRIC	0.1	100.0



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Project: HYLAND  
P.O.#: 6405

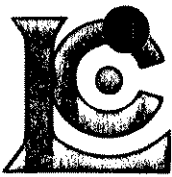
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 4-OCT-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	181	Sieve less than 63 u
202	181	save reject
229	181	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	181	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	181	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	181	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	181	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	181	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	181	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	181	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	181	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	181	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	181	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	180	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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Samples submitted to our lab in Vancouver, BC.  
This report was printed on 4-OCT-94.

### SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	240	Sieve less than 63 u
202	240	save reject
229	240	ICP - AQ Digestion charge

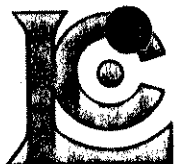
### ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	240	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	240	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	240	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	240	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	240	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	240	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	240	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	240	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	240	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	240	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	240	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0

*D9g*

*Au gold tomorrow  
Friday morning*

EB 21 Ron Minion's  
11.5



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A9428673

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**A9428673**

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P.O. #: 6405

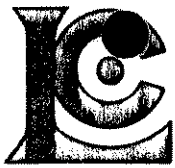
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 20-OCT-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
254	77	Sieve less than 63 u
202	77	save reject
229	77	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	77	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	77	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	77	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	77	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	77	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	77	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	77	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	77	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	77	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	77	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	77	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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A9428672

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Project: HYLAND  
P.O. #: 6405

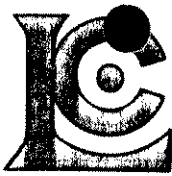
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 20-OCT-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	158	Geochem ring to approx 150 mesh
274	158	11-15 lb crush and split
229	158	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	158	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	158	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	158	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	158	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	158	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	158	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	158	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	158	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	158	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	158	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	158	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0



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A9429119

Comments: ATTN: TERRY TUCKER

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Project: HYLAND  
P.O.#: 6405

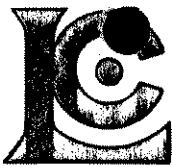
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 25-OCT-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
241	5	RUSH: Dry, sieve to -80 mesh
229	5	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
991	10	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
866	5	Fusion weight in grams	BALANCE	0.01	30.00
2118	5	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	5	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	5	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	5	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	5	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	5	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	5	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	5	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	5	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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VANCOUVER, BC  
V7X 1C4

A9430564

Comments: ATTN: TERRY TUCKER

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**A9430564**

(GP) - WESTMIN RESOURCES LTD.

Project: 6405 HYLAND  
P.O.#:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 17-NOV-94.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	1	Geochem ring to approx 150 mesh
226	1	0-5 lb crush and split
229	1	ICP - AQ Digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	1	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	1	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2120	1	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2123	1	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2128	1	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2131	1	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2136	1	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2140	1	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	1	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2149	1	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
54	1	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0

**APPENDIX H**  
**DIGHEM AIRBORNE GEOPHYSICAL SURVEY REPORT**

Report #1184

DIGHEM<sup>V</sup> SURVEY  
FOR  
WESTMIN RESOURCES LIMITED  
QUARTZ LAKE PROJECT  
YUKON TERRITORY

NTS 95D/5,12

Dighem, A division of CGG Canada Ltd.  
Mississauga, Ontario  
August 26, 1994

Paul A. Smith  
Geophysicist

A1184AUG.94R

## SUMMARY

This report describes the logistics and results of a DIGHEM<sup>V</sup> airborne geophysical survey carried out for Westmin Resources Limited, over a property located near Watson Lake, Yukon Territory. Total coverage of the survey block amounted to 542 km. The survey was flown from June 2 to June 3, 1994.

The purpose of the survey was to detect zones of conductive mineralization and to provide information that could be used to map the geology and structure of the survey area. This was accomplished by using a DIGHEM<sup>V</sup> multi-coil, multi-frequency electromagnetic system, supplemented by a high sensitivity cesium magnetometer, a four-channel spectrometer, and a four-channel VLF receiver. The information from these sensors was processed to produce maps which display the radiometric, magnetic and conductive properties of the survey area. A real-time differential Global Positioning System ensured accurate positioning of the geophysical data with respect to the base maps. Visual flight path recovery techniques were used to confirm the location of the helicopter with respect to visible topographic features on the ground.

The Quartz Lake property contains numerous anomalous features, many of which are considered to be of moderate to high priority as exploration targets. Most of the inferred bedrock conductors appear to warrant further investigation using appropriate surface exploration techniques. Areas of interest may be assigned priorities on the basis of supporting geophysical, geochemical and/or geological information. After initial

investigations have been carried out, it may be necessary to re-evaluate the remaining anomalies based on information acquired from the follow-up program.

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## INTRODUCTION

A DIGHEM<sup>V</sup> electromagnetic/resistivity/magnetic/radiometric/VLF survey was flown for Westmin Resources Limited from June 2 to June 3, 1994, over a survey block located northeast of Watson Lake, Yukon Territory. The survey area, known as the Quartz Lake property, can be located on NTS map sheets 95D/5 and 95D/12 (see Figure 1).

Survey coverage consisted of approximately 542 line-km, including three tie lines. Flight lines were flown in an azimuthal direction of 90°/270° with a line separation of 200 metres.

The survey employed the DIGHEM<sup>V</sup> electromagnetic system. Ancillary equipment consisted of a magnetometer, 4-channel spectrometer, radar altimeter, video camera, analog and digital recorders, a VLF receiver and an electronic navigation system. The instrumentation was installed in an Aerospatiale AS350B turbine helicopter (Registration CF-ROM) which was provided by Questral Helicopters Ltd. The helicopter flew at an average airspeed of 115 km/h with an EM bird height of approximately 30 m.

Section 2 provides details on the survey equipment, the data channels, their respective sensitivities, and the navigation/flight path recovery procedure. Noise levels of less than 2 ppm are generally maintained for wind speeds up to 35 km/h. Higher

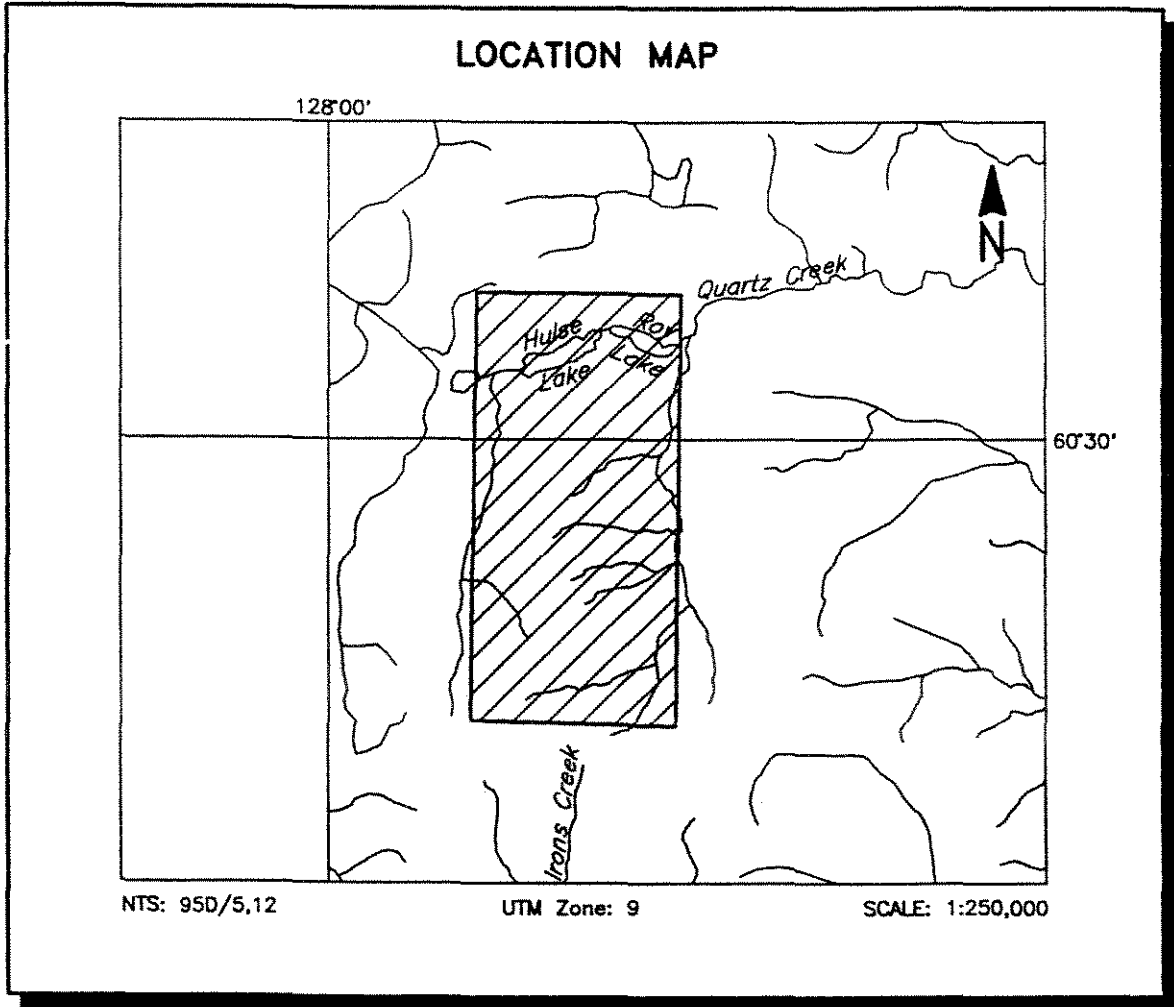


FIGURE 1

WESTMIN RESOURCES LIMITED

QUARTZ LAKE, YUKON TERRITORY - 1184

winds may cause the system to be grounded because excessive bird swinging produces difficulties in flying the helicopter. The swinging results from the 5 m<sup>2</sup> of area which is presented by the bird to broadside gusts.

In some portions of the survey area, moderately steep topography forced the pilot to exceed normal terrain clearance for reasons of safety. It is possible that some weak conductors may have escaped detection in any areas where the bird height exceeded 100 m. In difficult areas where near-vertical climbs were necessary, the forward speed of the helicopter was reduced to a level which permitted excessive bird swinging. This problem, combined with the severe stresses to which the bird was subjected, gave rise to aerodynamic noise levels which are slightly higher than normal. Where warranted, reflights were carried out to minimize these adverse effects.

## SURVEY EQUIPMENT

This section provides a brief description of the geophysical instruments used to acquire the survey data:

### Electromagnetic System

Model: DIGHEM<sup>V</sup>

Type: Towed bird, symmetric dipole configuration operated at a nominal survey altitude of 30 metres. Coil separation is 8 metres for 900 Hz, 5500 Hz and 7200 Hz, and 6.3 metres for the 56,000 Hz coil-pair.

Coil orientations/frequencies:	coaxial	/	900 Hz
	coplanar	/	900 Hz
	coaxial	/	5,500 Hz
	coplanar	/	7,200 Hz
	coplanar	/	56,000 Hz

Channels recorded:	5 inphase channels
	5 quadrature channels
	2 monitor channels

Sensitivity:	0.1 ppm at	900 Hz
	0.2 ppm at	5,500 Hz
	0.2 ppm at	7,200 Hz
	1.0 ppm at	56,000 Hz

Sample rate:	10 per second
--------------	---------------

The electromagnetic system utilizes a multi-coil coaxial/coplanar technique to energize conductors in different directions. The coaxial coils are vertical with their axes

in the flight direction. The coplanar coils are horizontal. The secondary fields are sensed simultaneously by means of receiver coils which are maximum coupled to their respective transmitter coils. The system yields an inphase and a quadrature channel from each transmitter-receiver coil-pair.

## **Magnetometer**

Model: Picodas 3340  
Type: Optically pumped Cesium vapour  
Sensitivity: 0.01 nT  
Sample rate: 10 per second

The magnetometer sensor is towed in a bird 20 m below the helicopter.

## **Magnetic Base Station**

Model: Scintrex MP-3  
Type: Digital recording proton precession  
Sensitivity: 0.10 nT  
Sample rate: 0.2 per second

A digital recorder is operated in conjunction with the base station magnetometer to record the diurnal variations of the earth's magnetic field. The clock of the base station is synchronized with that of the airborne system to permit subsequent removal of diurnal drift.

### VLF System

Manufacturer:	Herz Industries Ltd.
Type:	Totem-2A
Sensitivity:	0.1%
Stations:	Annapolis, Maryland; NSS, 21.4 kHz Cutler, Maine; NAA, 24.0 kHz

The VLF receiver measures the total field and vertical quadrature components of the secondary VLF field. Signals from two separate transmitters can be measured simultaneously. The VLF sensor is housed in the same bird as the magnetic sensor, and is towed 20 m below the helicopter.

### Spectrometer

Manufacturer:	Scintrex
Model:	GAD-4

Type: 4-channel differential  
Sample Rate: 1 per second

The spectrometer is combined with a sensor pack containing 8.39 l (512 cubic inches) of downward looking crystal. The GAD-4 measures gamma radiation at four calibrated windows for total count, potassium, uranium and thorium. The instrument automatically produces Compton-stripped values for K, U and Th, and these are normalized to counts per second.

The system is calibrated at the beginning and end of each survey flight and a test line is flown over a large body of water, or at height, to determine if there are any differences in background. This procedure allows corrections to be applied to each survey flight to eliminate any differences between flights which might result from changes in temperature or humidity.

The radiometric data are usually presented as colour/contour maps in counts per second. These measurements can be converted to elemental concentrations in parts per million.

## **Radar Altimeter**

Manufacturer: Honeywell/Sperry  
Type: AA 220  
Sensitivity: 0.3 m

The radar altimeter measures the vertical distance between the helicopter and the ground. This information is used in the processing algorithm which determines conductor depth.

## **Analog Recorder**

Manufacturer: RMS Instruments  
Type: DGR33 dot-matrix graphics recorder  
Resolution: 4x4 dots/mm  
Speed: 1.5 mm/sec

The analog profiles are recorded on chart paper in the aircraft during the survey. Table 2-1 lists the geophysical data channels and the vertical scale of each profile.

Table 2-1. The Analog Profiles

Channel Name	Parameter	Scale units/mm	Designation on digital profile
1X9I	coaxial inphase ( 900 Hz)	2.5 ppm	CXI ( 900 Hz)
1X9Q	coaxial quad ( 900 Hz)	2.5 ppm	CXQ ( 900 Hz)
3P9I	coplanar inphase ( 900 Hz)	2.5 ppm	CPI ( 900 Hz)
3P9Q	coplanar quad ( 900 Hz)	2.5 ppm	CPQ ( 900 Hz)
2P7I	coplanar inphase (7200 Hz)	5 ppm	CPI (7200 Hz)
2P7Q	coplanar quad (7200 Hz)	5 ppm	CPQ (7200 Hz)
4X7I	coaxial inphase (5500 Hz)	5 ppm	CXI (5500 Hz)
4X7Q	coaxial quad (5500 Hz)	5 ppm	CXQ (5500 Hz)
5P5I	coplanar inphase(56000 Hz)	10 ppm	CPI (56 kHz)
5P5Q	coplanar quad (56000 Hz)	10 ppm	CPQ (56 kHz)
ALTR	altimeter	3 m	ALT
CMGC	magnetics, coarse	20 nT	MAG
CMGF	magnetics, fine	2.0 nT	
VF1T	VLF-total: primary stn.	2%	
VF1Q	VLF-quad: primary stn.	2%	
VF2T	VLF-total: secondary stn.	2%	
VF2Q	VLF-quad: secondary stn.	2%	
CXSP	coaxial sferics monitor		CXS
CPSP	coplanar sferics monitor		CPS
CXPL	coaxial powerline monitor		
CPPL	coplanar powerline monitor		
TC	total counts (radiometrics)	200 cps	
K	Potassium	20 cps	
U	Uranium	20 cps	
Th	Thorium	20 cps	

Table 2-2. The Digital Profiles

Channel Name (Freq)	<u>Observed parameters</u>	Scale units/mm
MAG	magnetics	10 nT
ALT	bird height	6 m
CXI ( 900 Hz)	vertical coaxial coil-pair inphase	2 ppm
CXQ ( 900 Hz)	vertical coaxial coil-pair quadrature	2 ppm
CPI ( 900 Hz)	horizontal coplanar coil-pair inphase	2 ppm
CPQ ( 900 Hz)	horizontal coplanar coil-pair quadrature	2 ppm
CXI (5500 Hz)	vertical coaxial coil-pair inphase	4 ppm
CXQ (5500 Hz)	vertical coaxial coil-pair quadrature	4 ppm
CPI (7200 Hz)	horizontal coplanar coil-pair inphase	4 ppm
CPQ (7200 Hz)	horizontal coplanar coil-pair quadrature	4 ppm
CPI (56 kHz)	horizontal coplanar coil-pair inphase	10 ppm
CPQ (56 kHz)	horizontal coplanar coil-pair quadrature	10 ppm
CXS	coaxial sferics monitor	
CPS	coplanar sferics	
	<u>Computed Parameters</u>	
DFI ( 900 Hz)	difference function inphase from CXI and CPI	2 ppm
DFQ ( 900 Hz)	difference function quadrature from CXQ and CPQ	2 ppm
RES ( 900 Hz)	log resistivity	.06 decade
RES (7200 Hz)	log resistivity	.06 decade
RES (56 kHz)	log resistivity	.06 decade
DP ( 900 Hz)	apparent depth	6 m
DP (7200 Hz)	apparent depth	6 m
DP (56 kHz)	apparent depth	6 m
CDT	conductance	1 grade

## Digital Data Acquisition System

Manufacturer: RMS Instruments  
Model: DGR 33  
Recorder: RMS TCR-12, 6400 bpi, tape cartridge recorder

The digital data are used to generate several computed parameters. Both measured and computed parameters are plotted as "multi-channel stacked profiles" during data processing. These parameters are shown in Table 2-2. In Table 2-2, the log resistivity scale of 0.06 decade/mm means that the resistivity changes by an order of magnitude in 16.6 mm. The resistivities at 0, 33 and 67 mm up from the bottom of the digital profile are respectively 1, 100 and 10,000 ohm-m.

## Tracking Camera

Type: Panasonic Video  
Model: AG 2400/WVCD132

Fiducial numbers are recorded continuously and are displayed on the margin of each image. This procedure ensures accurate correlation of analog and digital data with respect to visible features on the ground.

## Navigation System (RT-DGPS)

Model: Sercel NR106, Real-time differential positioning  
Type: SPS (L1 band), 10-channel, C/A code, 1575.42 MHz.  
Sensitivity: -132 dBm, 0.5 second update  
Accuracy: < 5 metres in differential mode,  
± 50 metres in S/A (non differential) mode

The Global Positioning System (GPS) is a line of sight, satellite navigation system which utilizes time-coded signals from at least four of the twenty-four NAVSTAR satellites. In the differential mode, two GPS receivers are used. The base station unit is used as a reference which transmits real-time corrections to the mobile unit in the aircraft, via a UHF radio datalink. The on-board system calculates the flight path of the helicopter while providing real-time guidance. The raw XYZ data are recorded for both receivers, thereby permitting post-survey processing for accuracies of approximately 5 metres.

Although the base station receiver is able to calculate its own latitude and longitude, a higher degree of accuracy can be obtained if the reference unit is established on a known benchmark or triangulation point. The GPS records data relative to the WGS84 ellipsoid, which is the basis of the revised North American Datum (NAD83).

Conversion software is used to transform the WGS84 coordinates to the system displayed on the base maps.

## **Field Workstation**

Manufacturer: Dighem  
Model: FWS: V2.65  
Type: 80486 based P.C.

A portable PC-based field workstation is used at the survey base to verify data quality and completeness. Flight tapes are dumped to a hard drive to permit the creation of a database. This process allows the field operators to display both the positional (flight path) and geophysical data on a screen or printer.

## **PRODUCTS AND PROCESSING TECHNIQUES**

The following products are available from the survey data. Those which are not part of the survey contract may be acquired later. Refer to Table 3-1 for a summary of the maps which accompany this report, some of which may be sent under separate cover. Most parameters can be displayed as contours, profiles, or in colour.

### **Base Maps**

Base maps of the survey area have been produced from published topographic maps. These provide a relatively accurate, distortion-free base which facilitates correlation of the navigation data to the UTM grid. Photomosaics are useful for visual reference and for subsequent flight path recovery, but usually contain scale distortions. Orthophotos are ideal, but their cost and the time required to produce them, usually precludes their use as base maps.

### **Electromagnetic Anomalies**

Anomalous electromagnetic responses are selected and analysed by computer to provide a preliminary electromagnetic anomaly map. This preliminary map is used, by the geophysicist, in conjunction with the computer-generated digital profiles, to produce

### Table 3-1 Survey Products

1. Preliminary Products @ 1:20,000 (1 map sheet)  
Coaxial EM profiles (900 Hz)  
Total field magnetics  
Resistivity (7200 Hz)
2. Final Transparencies (+3 prints x 1 map sheet) @ 1:20,000  
EM anomaly map  
Resistivity (900 Hz) contours  
Total field magnetics  
Calculated vertical gradient  
Filtered total field VLF  
Radiometrics - Total Count  
Radiometrics - Potassium  
Radiometrics - Uranium  
Radiometrics - Thorium
3. Colour Plots (2 sets x 8 parameters x 1 sheet) @ 1:20,000  
All contoured parameters listed above  
Shadowed magnetic plots (at a scale of 1:40,000)
4. Other Products  
Multi-channel stacked profiles  
Analog chart records  
Flight path video cassettes  
Digital profile archive (CD-ROM)  
Digital grid archive (VISION format) on 3.5" diskettes  
Survey report (3 copies)  
VISION imaging software package
5. Optional parameters  
Bedrock EM anomaly map  
Resistivity maps (900 Hz or 56,000 Hz)  
VLF profile maps  
Enhanced magnetics  
Second vertical magnetic derivatives  
Upward or downward continuations  
Colour or shadow maps  
Ternary plots

Note: Final transparencies consist of geophysical parameters combined with EM, flight lines and the topographic base.

the final interpreted EM anomaly map. This map includes bedrock surficial and cultural conductors. A map containing only bedrock conductors can be generated, if desired.

## **Resistivity**

The apparent resistivity in ohm-m can be generated from the inphase and quadrature EM components for any of the frequencies, using a pseudo-layer halfspace model. A resistivity map portrays all the EM information for that frequency over the entire survey area. This contrasts with the electromagnetic anomaly map which provides information only over interpreted conductors. The large dynamic range makes the resistivity parameter an excellent mapping tool.

## **EM Magnetite**

The apparent percent magnetite by weight is computed wherever magnetite produces a negative inphase EM response. This calculation is more meaningful in resistive areas.

## **Total Field Magnetics**

The aeromagnetic data are corrected for diurnal variation using the magnetic base station data. The regional IGRF can be removed from the data, if requested.

## **Enhanced Magnetics**

The total field magnetic data are subjected to a processing algorithm. This algorithm enhances the response of magnetic bodies in the upper 500 m and attenuates the response of deeper bodies. The resulting enhanced magnetic map provides better definition and resolution of near-surface magnetic units. It also identifies weak magnetic features which may not be evident on the total field magnetic map. However, regional magnetic variations, and magnetic lows caused by remanence, are better defined on the total field magnetic map. The technique is described in more detail in Section 5.

## **Magnetic Derivatives**

The total field magnetic data may be subjected to a variety of filtering techniques to yield maps of the following:

first vertical derivative (vertical gradient)

second vertical derivative

magnetic susceptibility with reduction to the pole

upward/downward continuations

All of these filtering techniques improve the recognition of near-surface magnetic bodies, with the exception of upward continuation. Any of these parameters can be produced on request. Dighem's proprietary enhanced magnetic technique is designed to provide a general "all-purpose" map, combining the more useful features of the above parameters.

## **VLF**

The VLF data are digitally filtered to remove long wavelengths such as those caused by variations in the transmitted field strength.

## **Multi-channel Stacked Profiles**

Distance-based profiles of the digitally recorded geophysical data are generated and plotted by computer. These profiles also contain the calculated parameters which are used in the interpretation process. These are produced as worksheets prior to

interpretation, and are also be presented in the final corrected form after interpretation. The profiles display electromagnetic anomalies with their respective interpretive symbols.

## **Contour, Colour and Shadow Map Displays**

The geophysical data are interpolated onto a regular grid using a modified Akima spline technique. The resulting grid is suitable for generating contour maps of excellent quality. The grid cell size is usually 25% of the line interval.

Colour maps are produced by interpolating the grid down to the pixel size. The parameter is then incremented with respect to specific amplitude ranges to provide colour "contour" maps. Colour maps of the total magnetic field are particularly useful in defining the lithology of the survey area.

Monochromatic shadow maps are generated by employing an artificial sun to cast shadows on a surface defined by the geophysical grid. There are many variations in the shadowing technique. These techniques may be applied to total field or enhanced magnetic data, magnetic derivatives, VLF, resistivity, etc. The shadow of the enhanced magnetic parameter is particularly suited for defining geological structures with crisper images and improved resolution.

## Conductivity-depth Sections

The apparent resistivities for all frequencies can be displayed simultaneously as coloured conductivity-depth sections. Usually, only the coplanar data are displayed as the quality tends to be higher than that of the coaxial data.

Conductivity-depth sections can be generated in two formats:

- (1) Sengpiel resistivity sections, where the apparent resistivity for each frequency is plotted at the depth of the centroid of the inphase current flow<sup>\*</sup>; and,
- (2) Differential resistivity sections, where the differential resistivity is plotted at the differential depth<sup>\*\*</sup>.

Both the Sengpiel and differential methods are derived from the pseudo-layer halfspace model. Both yield a coloured conductivity-depth section which attempts to portray a smoothed approximation of the true resistivity distribution with depth. Conductivity-depth sections are most useful in conductive layered situations, but may be unreliable in

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\* Approximate Inversion of Airborne EM Data from Multilayered Ground: Sengpiel, K.P., Geophysical Prospecting 36, 446-459, 1988.

\*\* The Differential Resistivity Method for Multi-frequency Airborne EM Sounding: Huang, H. and Fraser, D.C., presented at Intern. Airb. EM Workshop, Tucson, Ariz., 1993.

areas of moderate to high resistivity where signal amplitudes are weak. In areas where inphase responses have been suppressed by the effects of magnetite, the computed resistivities shown on the sections may be unreliable. The differential resistivity technique was developed by Dighem. It is more sensitive than the Sengpiel section to changes in the earth's resistivity and it reaches deeper.

## SURVEY RESULTS

### GENERAL DISCUSSION

The survey results are presented on separate map sheets for each parameter at a scale of 1:20,000. Table 4-1 summarizes the EM responses in the survey area, with respect to conductance grade and interpretation.

The anomalies shown on the electromagnetic anomaly maps are based on a near-vertical, half plane model. This model best reflects "discrete" bedrock conductors. Wide bedrock conductors or flat-lying conductive units, whether from surficial or bedrock sources, may give rise to very broad anomalous responses on the EM profiles. These may not appear on the electromagnetic anomaly map if they have a regional character rather than a locally anomalous character. These broad conductors, which more closely approximate a half space model, will be maximum coupled to the horizontal (coplanar) coil-pair and should be more evident on the resistivity parameter. Resistivity maps, therefore, may be more valuable than the electromagnetic anomaly maps, in areas where broad or flat-lying conductors are considered to be of importance. Contoured resistivity maps, based on the 7200 Hz coplanar data are included with this report.

TABLE 4-1  
EM ANOMALY STATISTICS  
QUARTZ LAKE PROJECT

CONDUCTOR GRADE	CONDUCTANCE RANGE SIEMENS (MHOS)	NUMBER OF RESPONSES
7	>100	0
6	50 - 100	2
5	20 - 50	7
4	10 - 20	20
3	5 - 10	31
2	1 - 5	118
1	<1	84
*	INDETERMINATE	266
TOTAL		528

CONDUCTOR MODEL	MOST LIKELY SOURCE	NUMBER OF RESPONSES
D	DISCRETE BEDROCK CONDUCTOR	109
B	DISCRETE BEDROCK CONDUCTOR	147
S	CONDUCTIVE COVER	264
H	ROCK UNIT OR THICK COVER	5
E	EDGE OF WIDE CONDUCTOR	3
TOTAL		528

(SEE EM MAP LEGEND FOR EXPLANATIONS)

Excellent resolution and discrimination of conductors was accomplished by using a fast sampling rate of 0.1 sec and by employing a common frequency (900 Hz) on two orthogonal coil-pairs (coaxial and coplanar). The resulting "difference channel" parameters often permit differentiation of bedrock and surficial conductors, even though they may exhibit similar conductance values.

Anomalies which occur near the ends of the survey lines (i.e., outside the survey area), should be viewed with caution. Some of the weaker anomalies could be due to aerodynamic noise, i.e., bird bending, which is created by abnormal stresses to which the bird is subjected during the climb and turn of the aircraft between lines. Such aerodynamic noise is usually manifested by an anomaly on the coaxial inphase channel only, although severe stresses can affect the coplanar inphase channels as well.

## **Magnetics**

A Scintrex MP-3 proton precession magnetometer was operated at the survey base to record diurnal variations of the earth's magnetic field. The clock of the base station was synchronized with that of the airborne system to permit subsequent removal of diurnal drift.

The background magnetic level has been adjusted to match the International Geomagnetic Reference Field (IGRF) for the survey area. The IGRF gradient across the

survey block is left intact. This procedure ensures that the magnetic contours will match contours from any adjacent surveys which have been processed in a similar manner.

The total field magnetic data have been presented as contours on the base map using a contour interval of 2 nT where gradients permit. The map shows the magnetic properties of the rock units underlying the survey area.

The total field magnetic data have been subjected to a processing algorithm to produce vertical gradient maps (first vertical derivative). This procedure enhances near-surface magnetic units and suppresses regional gradients. It also provides better definition and resolution of magnetic units and displays weak magnetic features which may not be clearly evident on the total field maps. Maps of the second vertical magnetic derivative can also be prepared from existing survey data, if requested.

There is some evidence on the magnetic maps which suggests that the survey area has been subjected to some deformation and/or alteration. These structural complexities are evident on the contour maps as variations in magnetic intensity, irregular patterns, and as offsets or changes in strike direction.

The southern portion of the sheet is dominated by a well-defined, plug-like magnetic depression, with an approximate diameter of about 500 m. The center of this strong magnetic low occurs near fiducial 3202 on line 10660 yielding values of 57,640

nT against a background of about 58,350 nT. This low could be due to a non-magnetic (felsic) intrusive. However, the weakly negative inphase responses on line 10620, near fiducial 4246, tend to indicate the presence of magnetite. Therefore, this low could be due to a magnetite-rich rock unit which exhibits remanent magnetization. This unit occupies a large portion of a southeast facing slope with its central core just north of a small creek. The cause of this magnetic low should be investigated, if this has not already been determined.

The northern half of the property is also centered around a broad magnetic depression, although this feature exhibits much weaker gradients, with values of only 115 nT below the assumed background of 58,350 nT. A north-south trending magnetic low, near the center of this basin-like structure, is associated with one of the stronger bedrock conductors on the property.

A third magnetic low is evident at the eastern end of lines 10250 to 10550. This non-magnetic unit is also highly conductive, containing several conductors at or near its contact with the more magnetic rocks to the west.

A weak, narrow magnetic high, with an apparent strike length of about 1.1 km extends in a southerly direction from 10220E to 10270E. The EM anomalies indicate a narrow, west-dipping conductor associated with the eastern contact of this interesting magnetic unit. A similar, parallel conductor is evident about 300 m to the east.

South of line 10280, both conductive and magnetic trends on the eastern portion of the property, exhibit a change in strike towards the southeast. Anomalous trends also appear to be offset or terminated by this linear break which may indicate the presence of a major fault, passing through anomaly 10180F and the end of line 10420. The resistivity maps show a parallel linear about 750 m to the southwest.

If a specific magnetic intensity can be assigned to the rock type which is believed to host the target mineralization, it may be possible to select areas of higher priority on the basis of the total field magnetic data. This is based on the assumption that the magnetite content of the host rocks will give rise to a limited range of contour values which will permit differentiation of various lithological units.

The magnetic results, in conjunction with the other geophysical parameters, should provide valuable information which can be used to effectively map the geology and structure in the survey area.

## **VLF**

VLF results were obtained from the transmitting stations at Cutler, Maine (NAA - 24.0 kHz) and Annapolis, Maryland (NSS - 21.4 kHz). The VLF maps show the contoured results of the filtered total field from Annapolis for most of the area. No valid signals were obtained for lines 10210 to 10330 inclusive, from either station.

The VLF method is quite sensitive to the angle of coupling between the conductor and the propagated EM field. Consequently, conductors which strike towards the VLF station will usually yield a stronger response than conductors which are nearly orthogonal to it. The general north/south strike in the survey area provides good coupling with the VLF field from Seattle, but moderately poor coupling with both Cutler and Annapolis. Unfortunately, no signal was available from Seattle.

The VLF parameter does not normally provide the same degree of resolution available from the EM data. Closely-spaced conductors, conductors of short strike length or conductors which are poorly coupled to the VLF field, may escape detection with this method. Erratic signals from the VLF transmitters can also give rise to strong, isolated anomalies which should be viewed with caution. Regardless of these limitations, however, the VLF results have provided some additional information, particularly within the more resistive portions of the survey area. The VLF method could probably be used as a follow-up tool in most areas, although its effectiveness will be somewhat limited in areas of moderate to high conductivity. The filtered total field VLF contours are presented on the base map with a contour interval of one percent.

## **Resistivity**

Resistivity maps, which display the conductive properties of the survey area, were produced from the 7200 Hz coplanar data. The maximum resistivity values, which are

calculated for each frequency, are 1,000, 8,000 and 20,000 ohm-m respectively. These cutoffs eliminate the meaningless higher resistivities which would result from very small EM amplitudes. The minimum resistivity value is 0.000017 times the frequency. This minimum resistivity cutoff eliminates errors due to the lack of an absolute phase control for the EM data. In general, the resistivity patterns show only moderate agreement with the magnetic trends. This suggests that some of the resistivity lows are probably related to surficial conductivity (overburden) rather than bedrock features. There are several areas, however, where contour patterns are obviously due to valid bedrock conductors. These are clearly evident on the resistivity colour maps.

In general, the higher ground yields higher resistivities than the lower areas around the creeks and lakes. Values range from more than 6000 ohm-m over most of the crests and peaks, to less than 200 ohm-m in the water-covered areas in the north. Many of the bedrock conductors on the property yield resistivities in the 250-800 ohm-m range. These are less conductive than some of the lake bottom material, making detection difficult.

There are other resistivity lows in the area. At least one of these is quite extensive and appears to reflect a "formational" conductor which may be of minor interest as a direct exploration target. However, attention may be focused on areas where this zone appears to be faulted or folded or where anomaly characteristics differ

along strike. The conductive/non-magnetic unit at the eastern end of lines 10260 to 10560 is one such example.

## **Radiometrics**

The corrected total count, potassium, uranium and thorium values, in counts per second, have been presented as contour and colour maps, to display the variations in radioelement concentrations over the property. The largest lake in the north (Hulse Lake) was used as a test site to adjust all flights to a common background level. Values over the lakes approach zero, as expected.

The radiometric results yield several distinctive patterns which may help to define the geological units and zones of alteration within the survey area. Ratios of the various responses may also provide additional information. Although there does not appear to be any direct correlation between magnetic and radiometric anomalies, there are several responses which warrant further investigation.

## **Electromagnetics**

The EM anomalies resulting from this survey appear to fall within one of two general categories. The first type consists of discrete, well-defined anomalies which

yield marked inflections on the difference channels. These anomalies are usually attributed to conductive sulphides or graphite and are generally given a "B", "T" or "D" interpretive symbol, denoting a bedrock source.

The second class of anomalies comprises moderately broad responses which exhibit the characteristics of a half space and do not yield well-defined inflections on the difference channels. Anomalies in this category are usually given an "S" or "H" interpretive symbol. The lack of a difference channel response usually implies a broad or flat-lying conductive source such as overburden. Some of these anomalies may reflect conductive rock units or zones of deep weathering. Very weak responses, or those which are considered to be due to combinations of overburden and bedrock conductivity, may carry a "B?" or "S?" interpretation. The "?" does not question the validity of the anomaly, but instead indicates a degree of ambiguity regarding the most appropriate source model, e.g., narrow or flat-lying.

The effects of conductive overburden are evident over portions of the survey area. Although the difference channels (DFI and DFQ) are extremely valuable in detecting bedrock conductors which are partially masked by conductive overburden, sharp undulations in the bedrock/overburden interface can yield anomalies in the difference channels which may be interpreted as possible bedrock conductors. Such anomalies usually fall into the "S?" or "B?" classification but may also be given an "E" interpretive symbol, denoting a resistivity contrast at the edge of a conductive unit.

In areas where EM responses are evident primarily on the quadrature components, zones of poor conductivity are indicated. Where these responses are coincident with magnetic anomalies, it is possible that the inphase component amplitudes have been suppressed by the effects of magnetite. Most of these poorly-conductive magnetic features give rise to resistivity anomalies which are only slightly below background. If it is expected that poorly-conductive economic mineralization may be associated with magnetite-rich units, most of these weakly anomalous features will also be of interest. In areas where magnetite causes the inphase components to become negative, the apparent conductance and depth of EM anomalies may be unreliable.

As economic mineralization within the area may be associated with massive to weakly disseminated sulphides, which may or may not be hosted by magnetite-rich rocks, it is impossible to assess the relative merits of EM anomalies on the basis of conductance. It is recommended that an attempt be made to compile a suite of geophysical "signatures" over any known areas of interest. Anomaly characteristics are clearly defined on the computer-processed geophysical data profiles which are supplied as one of the survey products.

A complete assessment and evaluation of the survey data should be carried out by one or more qualified professionals who have access to, and can provide a meaningful compilation of, all available geophysical, geological and geochemical data.

## CONDUCTORS IN THE SURVEY AREA

The electromagnetic anomaly map shows the anomaly locations with the interpreted conductor type, dip, conductance and depth being indicated by symbols. Direct magnetic correlation is also shown if it exists. The strike direction and length of the conductors are indicated when anomalies can be correlated from line to line. When studying the map sheets, consult the anomaly listings appended to this report.

The following paragraphs contain very brief descriptions of some of the stronger geophysical responses which may be due to massive sulphides or possibly graphite. It is beyond the scope of this report to attempt to describe all anomalous features on the property. However, in the search for auriferous mineralization, some of the very weak, poorly-defined, short conductors may actually be of greater economic significance than many of the stronger sources.

North of Quartz Lake (Hulse Lake), there are three groups of weak anomalies that may be due to bedrock conductors. The weak, narrow conductor associated with anomaly 10050B is located on a crest, while those in the vicinity of 10060G and 10070F are very close to the northeastern shore of the lake, and may be influenced by conductive overburden. The anomalies on line 10010 and the north end of tie lines 19020 and 19000 are incomplete trends of possible bedrock origin, which may be open to the north. Most of these anomalies yield resistivity lows of less than 100 ohm-m.

South of Quartz Lake there are several narrow bedrock conductors which strike in a general southerly direction. These are evident near the center of the property, and are associated with three resistivity lows which extend south to line 10260. All anomalies suggest moderately thin, weakly conductive sources with the exception of anomaly 10170F, which may reflect a thick source (or two closely-spaced thin sheets) of moderate conductance. Of the conductors in this area, the segment which extends from 10150I to 10190E is of particular interest because of its association with a narrow, elongate, magnetic low.

A similarly shaped narrow magnetic unit with an east-flanking low is evident about 1.5 km to the southeast. This enhances the significance of conductor 10220K-10270E and the parallel conductor 350 m to the east, 10200F-10260G. Both of these conductors are due to narrow, non-magnetic, west-dipping sources, similar to others in the west and northwest. One possible exception is conductor 10140E-10180F, which yields weak magnetic correlation near its center. This central area contains several conductors which should be subjected to further investigation. In addition to the conductor axes shown on the EM map in this area, there are a few isolated, single-line responses which may also prove to be attractive targets. These should not be disregarded, even though they may be weak or poorly-defined. Anomalies such as 10130D, 10140H, 10160F, 10180D, 10190J and 10250D all yield moderate resistivity lows. Weak potassium highs are associated with 10120E, 10160C and 10280F.

South of line 10280, the resistivity, magnetic and radiometric patterns exhibit a change in strike towards the southeast, east of tie line 19020. Three conductors extend in a south-southeasterly direction from anomalies 10300F, 10300G and 10330B, towards the conductive unit outlined as Zone A. The narrow, west-dipping conductor segments, between 10300F to 10380E, are associated with a moderately steep magnetic gradient which probably reflects a fault or contact. All three conductive trends are considered to be of interest. These could be checked in the vicinity of 10310F, 10320E, 10380D and 10380E.

Zone A, at the eastern limits of survey coverage, outlines the western edge of a highly conductive, non-magnetic unit. Although the close proximity of several conductors makes dip estimates difficult, it appears as though most of the conductors exhibit the westerly dips common to other conductors in the survey block. It is obvious from the magnetic response that these conductors are contained within a different rock type. The lack of magnetic correlation suggests graphite may be a likely causative source.

The "formational" characteristics of Zone A tend to make it less attractive as a possible target, but additional work may be warranted in areas where the zone has been subjected to apparent structural deformation. Anomalies 10390G and 10390H, for example, appear to be in close proximity to the point of intersection of two linear

features. The conductor axes in this area may actually be towards the northeast, rather than north and northwest as indicated on the EM map.

Southwest of Zone A there is at least one bedrock conductor which yields a strike length of more than 200 m. Anomalies 10590F to 10630C indicate a thin, non-magnetic conductive source with a probable strike extent of more than 800 m. This conductor is of particular interest in that it suggests a probable dip to the east. This direction is opposite to the interpreted west dips for other conductors to the north.

Two moderately attractive conductors are present near the western end of lines 10510 to 10580, along a ridge of high ground. The closely-spaced fiducials near the western end of line 10540 indicate a very slow helicopter speed during the climb, resulting in excessive bird swing. Although anomaly resolution has been degraded slightly in this area of steep topography, both conductor segments yield moderately low resistivities over high ground. A strong circular resistivity low is also associated with anomaly 10550C to the northeast. This feature occurs within a creek, and has been attributed to possible surficial conductivity, but should still be investigated.

The south-central portion of the property, south of line 10570, is dominated by a strong, well-defined magnetic low. Although there are very few anomalies associated with this interesting, plug-like feature, any anomalous responses within or near the peripheral contact of this zone are considered to be potential targets. Anomalies 10590B,

10600B, 10610B, 10650A, 10690A, 10700D and 10710A are generally weak, isolated, poorly-defined responses, but should not be disregarded. The significance of 10600B and 10650A is enhanced because of their correlation with strong highs on the radiometric (potassium) contour maps.

The central core of this magnetic low is associated with a stream which also gives rise to a broad zone of moderately low resistivities. The magnetic anomaly itself straddles the creek, and occupies portions of northwest- and southeast-facing slopes. The northwestern and northeastern contacts are well-defined by the steep gradients and the zero contour on the vertical gradient maps.

Work should be carried out to determine the cause of this magnetic low, if this has not already been done. If the low represents a non-magnetic intrusive or a remanently polarized unit, most of the conductors near its periphery may be of interest. As indicated previously, there are several other isolated responses on the property which should also be subjected to further work.

## BACKGROUND INFORMATION

This section provides background information on parameters which are available from the survey data. Those which have not been supplied as survey products may be generated later from raw data on the digital archive tape.

### ELECTROMAGNETICS

DIGHEM electromagnetic responses fall into two general classes, discrete and broad. The discrete class consists of sharp, well-defined anomalies from discrete conductors such as sulfide lenses and steeply dipping sheets of graphite and sulfides. The broad class consists of wide anomalies from conductors having a large horizontal surface such as flatly dipping graphite or sulfide sheets, saline water-saturated sedimentary formations, conductive overburden and rock, and geothermal zones. A vertical conductive slab with a width of 200 m would straddle these two classes.

The vertical sheet (half plane) is the most common model used for the analysis of discrete conductors. All anomalies plotted on the electromagnetic map are analyzed according to this model. The following section entitled **Discrete Conductor Analysis** describes this model in detail, including the effect of using it on anomalies caused by broad conductors such as conductive overburden.

The conductive earth (half space) model is suitable for broad conductors. Resistivity contour maps result from the use of this model. A later section entitled **Resistivity Mapping** describes the method further, including the effect of using it on anomalies caused by discrete conductors such as sulfide bodies.

### **Geometric interpretation**

The geophysical interpreter attempts to determine the geometric shape and dip of the conductor. Figure 5-1 shows typical DIGHEM anomaly shapes which are used to guide the geometric interpretation.

### **Discrete conductor analysis**

The EM anomalies appearing on the electromagnetic map are analyzed by computer to give the conductance (i.e., conductivity-thickness product) in Siemens (mhos) of a vertical sheet model. This is done regardless of the interpreted geometric shape of the conductor. This is not an unreasonable procedure, because the computed conductance increases as the electrical quality of the conductor increases, regardless of its true shape. DIGHEM anomalies are divided into seven grades of conductance, as shown in Table 5-1 below. The conductance in Siemens (mhos) is the reciprocal of resistance in ohms.

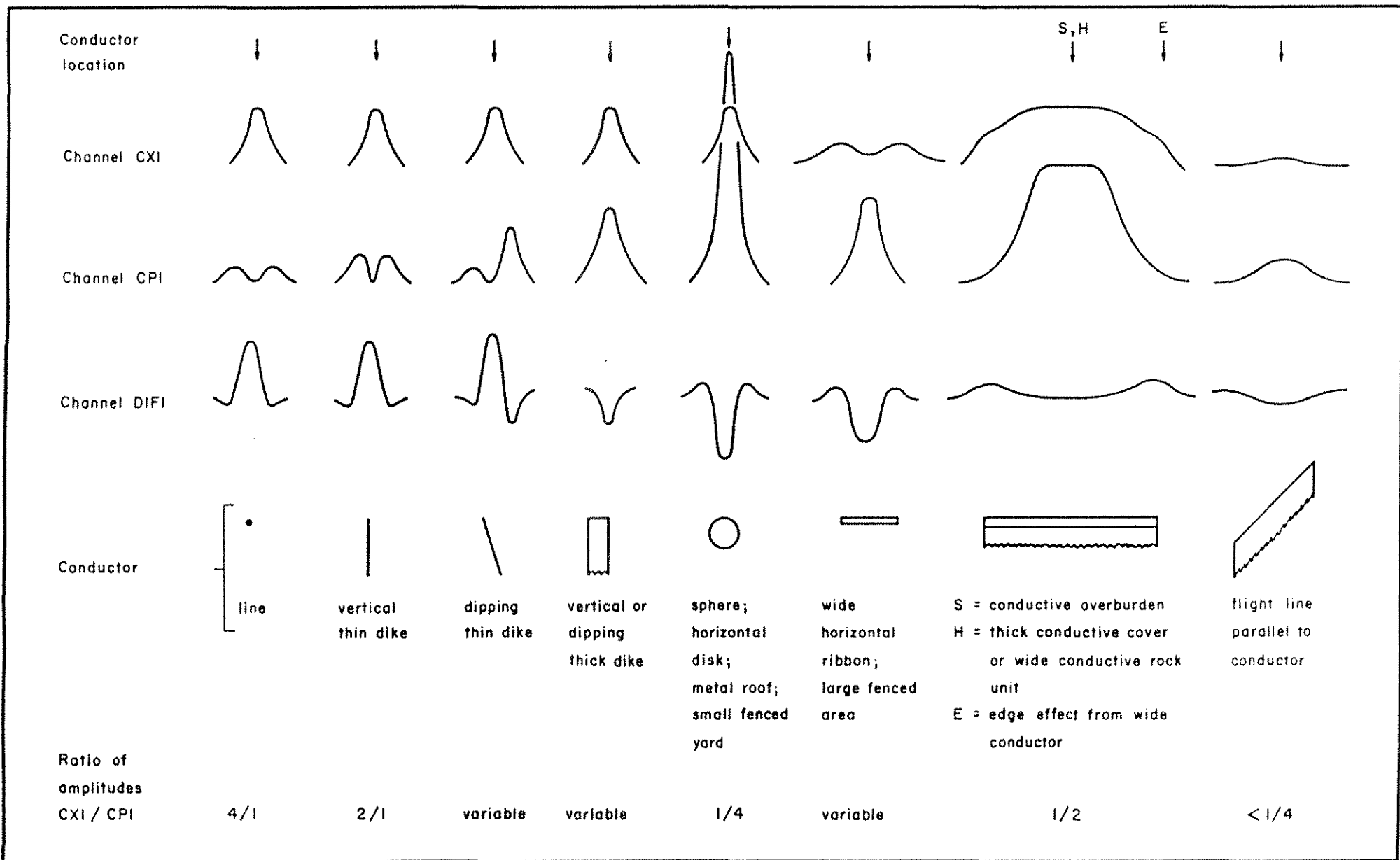


Fig 5-1 Typical DIGHEM anomaly shapes

**Table 5-1. EM Anomaly Grades**

<u>Anomaly Grade</u>	<u>Siemens</u>
7	> 100
6	50 - 100
5	20 - 50
4	10 - 20
3	5 - 10
2	1 - 5
1	< 1

The conductance value is a geological parameter because it is a characteristic of the conductor alone. It generally is independent of frequency, flying height or depth of burial, apart from the averaging over a greater portion of the conductor as height increases. Small anomalies from deeply buried strong conductors are not confused with small anomalies from shallow weak conductors because the former will have larger conductance values.

Conductive overburden generally produces broad EM responses which may not be shown as anomalies on the EM maps. However, patchy conductive overburden in otherwise resistive areas can yield discrete anomalies with a conductance grade (cf. Table 5-1) of 1, 2 or even 3 for conducting clays which have resistivities as low as 50 ohm-m. In areas where ground resistivities are below 10 ohm-m, anomalies caused by weathering variations and similar causes can have any conductance grade. The anomaly shapes from the multiple coils often allow such conductors to be recognized, and these are indicated by the letters S, H, and sometimes E on the electromagnetic anomaly map (see EM map legend).

For bedrock conductors, the higher anomaly grades indicate increasingly higher conductances. Examples: DIGHEM's New Inco copper discovery (Noranda, Canada) yielded a grade 5 anomaly, as did the neighbouring copper-zinc Magusi River ore body; Mattabi (copper-zinc, Sturgeon Lake, Canada) and Whistle (nickel, Sudbury, Canada) gave grade 6; and DIGHEM's Montcalm nickel-copper discovery (Timmins, Canada) yielded a grade 7 anomaly. Graphite and sulfides can span all grades but, in any particular survey area, field work may show that the different grades indicate different types of conductors.

Strong conductors (i.e., grades 6 and 7) are characteristic of massive sulfides or graphite. Moderate conductors (grades 4 and 5) typically reflect graphite or sulfides of a less massive character, while weak bedrock conductors (grades 1 to 3) can signify poorly connected graphite or heavily disseminated sulfides. Grades 1 and 2 conductors may not respond to ground EM equipment using frequencies less than 2000 Hz.

The presence of sphalerite or gangue can result in ore deposits having weak to moderate conductances. As an example, the three million ton lead-zinc deposit of Restigouche Mining Corporation near Bathurst, Canada, yielded a well-defined grade 2 conductor. The 10 percent by volume of sphalerite occurs as a coating around the fine grained massive pyrite, thereby inhibiting electrical conduction.

Faults, fractures and shear zones may produce anomalies which typically have low conductances (e.g., grades 1 to 3). Conductive rock formations can yield anomalies of any

conductance grade. The conductive materials in such rock formations can be salt water, weathered products such as clays, original depositional clays, and carbonaceous material.

On the interpreted electromagnetic map, a letter identifier and an interpretive symbol are plotted beside the EM grade symbol. The horizontal rows of dots, under the interpretive symbol, indicate the anomaly amplitude on the flight record. The vertical column of dots, under the anomaly letter, gives the estimated depth. In areas where anomalies are crowded, the letter identifiers, interpretive symbols and dots may be obliterated. The EM grade symbols, however, will always be discernible, and the obliterated information can be obtained from the anomaly listing appended to this report.

The purpose of indicating the anomaly amplitude by dots is to provide an estimate of the reliability of the conductance calculation. Thus, a conductance value obtained from a large ppm anomaly (3 or 4 dots) will tend to be accurate whereas one obtained from a small ppm anomaly (no dots) could be quite inaccurate. The absence of amplitude dots indicates that the anomaly from the coaxial coil-pair is 5 ppm or less on both the inphase and quadrature channels. Such small anomalies could reflect a weak conductor at the surface or a stronger conductor at depth. The conductance grade and depth estimate illustrates which of these possibilities fits the recorded data best.

Flight line deviations occasionally yield cases where two anomalies, having similar conductance values but dramatically different depth estimates, occur close together on the same

conductor. Such examples illustrate the reliability of the conductance measurement while showing that the depth estimate can be unreliable. There are a number of factors which can produce an error in the depth estimate, including the averaging of topographic variations by the altimeter, overlying conductive overburden, and the location and attitude of the conductor relative to the flight line. Conductor location and attitude can provide an erroneous depth estimate because the stronger part of the conductor may be deeper or to one side of the flight line, or because it has a shallow dip. A heavy tree cover can also produce errors in depth estimates. This is because the depth estimate is computed as the distance of bird from conductor, minus the altimeter reading. The altimeter can lock onto the top of a dense forest canopy. This situation yields an erroneously large depth estimate but does not affect the conductance estimate.

Dip symbols are used to indicate the direction of dip of conductors. These symbols are used only when the anomaly shapes are unambiguous, which usually requires a fairly resistive environment.

A further interpretation is presented on the EM map by means of the line-to-line correlation of anomalies, which is based on a comparison of anomaly shapes on adjacent lines. This provides conductor axes which may define the geological structure over portions of the survey area. The absence of conductor axes in an area implies that anomalies could not be correlated from line to line with reasonable confidence.

DIGHEM electromagnetic maps are designed to provide a correct impression of conductor quality by means of the conductance grade symbols. The symbols can stand alone with geology when planning a follow-up program. The actual conductance values are printed in the attached anomaly list for those who wish quantitative data. The anomaly ppm and depth are indicated by inconspicuous dots which should not distract from the conductor patterns, while being helpful to those who wish this information. The map provides an interpretation of conductors in terms of length, strike and dip, geometric shape, conductance, depth, and thickness. The accuracy is comparable to an interpretation from a high quality ground EM survey having the same line spacing.

The attached EM anomaly list provides a tabulation of anomalies in ppm, conductance, and depth for the vertical sheet model. The EM anomaly list also shows the conductance and depth for a thin horizontal sheet (whole plane) model, but only the vertical sheet parameters appear on the EM map. The horizontal sheet model is suitable for a flatly dipping thin bedrock conductor such as a sulfide sheet having a thickness less than 10 m. The list also shows the resistivity and depth for a conductive earth (half space) model, which is suitable for thicker slabs such as thick conductive overburden. In the EM anomaly list, a depth value of zero for the conductive earth model, in an area of thick cover, warns that the anomaly may be caused by conductive overburden.

Since discrete bodies normally are the targets of EM surveys, local base (or zero) levels are used to compute local anomaly amplitudes. This contrasts with the use of true zero levels

which are used to compute true EM amplitudes. Local anomaly amplitudes are shown in the EM anomaly list and these are used to compute the vertical sheet parameters of conductance and depth. Not shown in the EM anomaly list are the true amplitudes which are used to compute the horizontal sheet and conductive earth parameters.

### **Questionable Anomalies**

DIGHEM maps may contain EM responses which are displayed as asterisks (\*). These responses denote weak anomalies of indeterminate conductance, which may reflect one of the following: a weak conductor near the surface, a strong conductor at depth (e.g., 100 to 120 m below surface) or to one side of the flight line, or aerodynamic noise. Those responses that have the appearance of valid bedrock anomalies on the flight profiles are indicated by appropriate interpretive symbols (see EM map legend). The others probably do not warrant further investigation unless their locations are of considerable geological interest.

### **The thickness parameter**

DIGHEM can provide an indication of the thickness of a steeply dipping conductor. The amplitude of the coplanar anomaly (e.g., CPI channel on the digital profile) increases relative to the coaxial anomaly (e.g., CXI) as the apparent thickness increases, i.e., the thickness in the horizontal plane. (The thickness is equal to the conductor width if the conductor dips at 90

degrees and strikes at right angles to the flight line.) This report refers to a conductor as thin when the thickness is likely to be less than 3 m, and thick when in excess of 10 m. Thick conductors are indicated on the EM map by parentheses "( )". For base metal exploration in steeply dipping geology, thick conductors can be high priority targets because many massive sulfide ore bodies are thick, whereas non-economic bedrock conductors are often thin. The system cannot sense the thickness when the strike of the conductor is subparallel to the flight line, when the conductor has a shallow dip, when the anomaly amplitudes are small, or when the resistivity of the environment is below 100 ohm-m.

## **Resistivity mapping**

Areas of widespread conductivity are commonly encountered during surveys. In such areas, anomalies can be generated by decreases of only 5 m in survey altitude as well as by increases in conductivity. The typical flight record in conductive areas is characterized by inphase and quadrature channels which are continuously active. Local EM peaks reflect either increases in conductivity of the earth or decreases in survey altitude. For such conductive areas, apparent resistivity profiles and contour maps are necessary for the correct interpretation of the airborne data. The advantage of the resistivity parameter is that anomalies caused by altitude changes are virtually eliminated, so the resistivity data reflect only those anomalies caused by conductivity changes. The resistivity analysis also helps the interpreter to differentiate between conductive trends in the bedrock and those patterns typical of conductive overburden. For

example, discrete conductors will generally appear as narrow lows on the contour map and broad conductors (e.g., overburden) will appear as wide lows.

The resistivity profiles and the resistivity contour maps present the apparent resistivity using the so-called pseudo-layer (or buried) half space model defined by Fraser (1978)<sup>1</sup>. This model consists of a resistive layer overlying a conductive half space. The depth channels give the apparent depth below surface of the conductive material. The apparent depth is simply the apparent thickness of the overlying resistive layer. The apparent depth (or thickness) parameter will be positive when the upper layer is more resistive than the underlying material, in which case the apparent depth may be quite close to the true depth.

The apparent depth will be negative when the upper layer is more conductive than the underlying material, and will be zero when a homogeneous half space exists. The apparent depth parameter must be interpreted cautiously because it will contain any errors which may exist in the measured altitude of the EM bird (e.g., as caused by a dense tree cover). The inputs to the resistivity algorithm are the inphase and quadrature components of the coplanar coil-pair. The outputs are the apparent resistivity of the conductive half space (the source) and the sensor-source distance. The flying height is not an input variable, and the output resistivity and sensor-source distance are independent of the flying height. The apparent depth, discussed above, is

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<sup>1</sup> Resistivity mapping with an airborne multicoil electromagnetic system: Geophysics, v. 43, p.144-172

simply the sensor-source distance minus the measured altitude or flying height. Consequently, errors in the measured altitude will affect the apparent depth parameter but not the apparent resistivity parameter.

The apparent depth parameter is a useful indicator of simple layering in areas lacking a heavy tree cover. The DIGHEM system has been flown for purposes of permafrost mapping, where positive apparent depths were used as a measure of permafrost thickness. However, little quantitative use has been made of negative apparent depths because the absolute value of the negative depth is not a measure of the thickness of the conductive upper layer and, therefore, is not meaningful physically. Qualitatively, a negative apparent depth estimate usually shows that the EM anomaly is caused by conductive overburden. Consequently, the apparent depth channel can be of significant help in distinguishing between overburden and bedrock conductors.

The resistivity map often yields more useful information on conductivity distributions than the EM map. In comparing the EM and resistivity maps, keep in mind the following:

- (a) The resistivity map portrays the apparent value of the earth's resistivity, where  $\text{resistivity} = 1/\text{conductivity}$ .
- (b) The EM map portrays anomalies in the earth's resistivity. An anomaly by definition is a change from the norm and so the EM map displays anomalies, (i)

over narrow, conductive bodies and (ii) over the boundary zone between two wide formations of differing conductivity.

The resistivity map might be likened to a total field map and the EM map to a horizontal gradient in the direction of flight<sup>2</sup>. Because gradient maps are usually more sensitive than total field maps, the EM map therefore is to be preferred in resistive areas. However, in conductive areas, the absolute character of the resistivity map usually causes it to be more useful than the EM map.

### **Interpretation in conductive environments**

Environments having background resistivities below 30 ohm-m cause all airborne EM systems to yield very large responses from the conductive ground. This usually prohibits the recognition of discrete bedrock conductors. However, DIGHEM data processing techniques produce three parameters which contribute significantly to the recognition of bedrock conductors. These are the inphase and quadrature difference channels (DFI and DFQ), and the resistivity and depth channels (RES and DP) for each coplanar frequency.

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<sup>2</sup> The gradient analogy is only valid with regard to the identification of anomalous locations.

The EM difference channels (DFI and DFQ) eliminate most of the responses from conductive ground, leaving responses from bedrock conductors, cultural features (e.g., telephone lines, fences, etc.) and edge effects. Edge effects often occur near the perimeter of broad conductive zones. This can be a source of geologic noise. While edge effects yield anomalies on the EM difference channels, they do not produce resistivity anomalies. Consequently, the resistivity channel aids in eliminating anomalies due to edge effects. On the other hand, resistivity anomalies will coincide with the most highly conductive sections of conductive ground, and this is another source of geologic noise. The recognition of a bedrock conductor in a conductive environment therefore is based on the anomalous responses of the two difference channels (DFI and DFQ) and the resistivity channels (RES). The most favourable situation is where anomalies coincide on all channels.

The DP channels, which give the apparent depth to the conductive material, also help to determine whether a conductive response arises from surficial material or from a conductive zone in the bedrock. When these channels ride above the zero level on the digital profiles (i.e., depth is negative), it implies that the EM and resistivity profiles are responding primarily to a conductive upper layer, i.e., conductive overburden. If the DP channels are below the zero level, it indicates that a resistive upper layer exists, and this usually implies the existence of a bedrock conductor. If the low frequency DP channel is below the zero level and the high frequency DP is above, this suggests that a bedrock conductor occurs beneath conductive cover.

The conductance channel CDT identifies discrete conductors which have been selected by computer for appraisal by the geophysicist. Some of these automatically selected anomalies on channel CDT are discarded by the geophysicist. The automatic selection algorithm is intentionally oversensitive to assure that no meaningful responses are missed. The interpreter then classifies the anomalies according to their source and eliminates those that are not substantiated by the data, such as those arising from geologic or aerodynamic noise.

### **Reduction of geologic noise**

Geologic noise refers to unwanted geophysical responses. For purposes of airborne EM surveying, geologic noise refers to EM responses caused by conductive overburden and magnetic permeability. It was mentioned previously that the EM difference channels (i.e., channel DFI for inphase and DFQ for quadrature) tend to eliminate the response of conductive overburden. This marked a unique development in airborne EM technology, as DIGHEM is the only EM system which yields channels having an exceptionally high degree of immunity to conductive overburden.

Magnetite produces a form of geological noise on the inphase channels of all EM systems. Rocks containing less than 1% magnetite can yield negative inphase anomalies caused by magnetic permeability. When magnetite is widely distributed throughout a survey area, the inphase EM channels may continuously rise and fall, reflecting variations in the magnetite percentage, flying height, and overburden thickness. This can lead to difficulties in recognizing

deeply buried bedrock conductors, particularly if conductive overburden also exists. However, the response of broadly distributed magnetite generally vanishes on the inphase difference channel DFI. This feature can be a significant aid in the recognition of conductors which occur in rocks containing accessory magnetite.

### **EM magnetite mapping**

The information content of DIGHEM data consists of a combination of conductive eddy current responses and magnetic permeability responses. The secondary field resulting from conductive eddy current flow is frequency-dependent and consists of both inphase and quadrature components, which are positive in sign. On the other hand, the secondary field resulting from magnetic permeability is independent of frequency and consists of only an inphase component which is negative in sign. When magnetic permeability manifests itself by decreasing the measured amount of positive inphase, its presence may be difficult to recognize. However, when it manifests itself by yielding a negative inphase anomaly (e.g., in the absence of eddy current flow), its presence is assured. In this latter case, the negative component can be used to estimate the percent magnetite content.

A magnetite mapping technique was developed for the coplanar coil-pair of DIGHEM. The technique yields a channel (designated FEO) which displays apparent weight percent

magnetite according to a homogeneous half space model.<sup>3</sup> The method can be complementary to magnetometer mapping in certain cases. Compared to magnetometry, it is far less sensitive but is more able to resolve closely spaced magnetite zones, as well as providing an estimate of the amount of magnetite in the rock. The method is sensitive to 1/4% magnetite by weight when the EM sensor is at a height of 30 m above a magnetitic half space. It can individually resolve steep dipping narrow magnetite-rich bands which are separated by 60 m. Unlike magnetometry, the EM magnetite method is unaffected by remanent magnetism or magnetic latitude.

The EM magnetite mapping technique provides estimates of magnetite content which are usually correct within a factor of 2 when the magnetite is fairly uniformly distributed. EM magnetite maps can be generated when magnetic permeability is evident as negative inphase responses on the data profiles.

Like magnetometry, the EM magnetite method maps only bedrock features, provided that the overburden is characterized by a general lack of magnetite. This contrasts with resistivity mapping which portrays the combined effect of bedrock and overburden.

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<sup>3</sup> Refer to Fraser, 1981, Magnetite mapping with a multi-coil airborne electromagnetic system: *Geophysics*, v. 46, p. 1579-1594.

## Recognition of culture

Cultural responses include all EM anomalies caused by man-made metallic objects. Such anomalies may be caused by inductive coupling or current gathering. The concern of the interpreter is to recognize when an EM response is due to culture. Points of consideration used by the interpreter, when coaxial and coplanar coil-pairs are operated at a common frequency, are as follows:

1. Channels CXP and CPP monitor 60 Hz radiation. An anomaly on these channels shows that the conductor is radiating power. Such an indication is normally a guarantee that the conductor is cultural. However, care must be taken to ensure that the conductor is not a geologic body which strikes across a power line, carrying leakage currents.
2. A flight which crosses a "line" (e.g., fence, telephone line, etc.) yields a center-peaked coaxial anomaly and an m-shaped coplanar anomaly.<sup>4</sup> When the flight crosses the cultural line at a high angle of intersection, the amplitude ratio of coaxial/coplanar response is 4. Such an EM anomaly can only be caused by a line. The geologic body which yields anomalies most closely resembling a line is the vertically dipping thin dike. Such a body, however, yields an amplitude ratio of 2 rather than 4. Consequently, an

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<sup>4</sup> See Figure 5-1 presented earlier.

m-shaped coplanar anomaly with a CXI/CPI amplitude ratio of 4 is virtually a guarantee that the source is a cultural line.

3. A flight which crosses a sphere or horizontal disk yields center-peaked coaxial and coplanar anomalies with a CXI/CPI amplitude ratio (i.e., coaxial/coplanar) of 1/4. In the absence of geologic bodies of this geometry, the most likely conductor is a metal roof or small fenced yard.<sup>5</sup> Anomalies of this type are virtually certain to be cultural if they occur in an area of culture.
4. A flight which crosses a horizontal rectangular body or wide ribbon yields an m-shaped coaxial anomaly and a center-peaked coplanar anomaly. In the absence of geologic bodies of this geometry, the most likely conductor is a large fenced area.<sup>5</sup> Anomalies of this type are virtually certain to be cultural if they occur in an area of culture.
5. EM anomalies which coincide with culture, as seen on the camera film or video display, are usually caused by culture. However, care is taken with such coincidences because a geologic conductor could occur beneath a fence, for example. In this example, the fence would be expected to yield an m-shaped coplanar anomaly as in case #2 above.

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<sup>5</sup> It is a characteristic of EM that geometrically similar anomalies are obtained from: (1) a planar conductor, and (2) a wire which forms a loop having dimensions identical to the perimeter of the equivalent planar conductor.

If, instead, a center-peaked coplanar anomaly occurred, there would be concern that a thick geologic conductor coincided with the cultural line.

6. The above description of anomaly shapes is valid when the culture is not conductively coupled to the environment. In this case, the anomalies arise from inductive coupling to the EM transmitter. However, when the environment is quite conductive (e.g., less than 100 ohm-m at 900 Hz), the cultural conductor may be conductively coupled to the environment. In this latter case, the anomaly shapes tend to be governed by current gathering. Current gathering can completely distort the anomaly shapes, thereby complicating the identification of cultural anomalies. In such circumstances, the interpreter can only rely on the radiation channels and on the camera film or video records.

## MAGNETICS

The existence of a magnetic correlation with an EM anomaly is indicated directly on the EM map. In some geological environments, an EM anomaly with magnetic correlation has a greater likelihood of being produced by sulfides than one that is non-magnetic. However, sulfide ore bodies may be non-magnetic (e.g., the Kidd Creek deposit near Timmins, Canada) as well as magnetic (e.g., the Mattabi deposit near Sturgeon Lake, Canada).

The magnetometer data are digitally recorded in the aircraft to an accuracy of 0.01 nT for cesium magnetometers. The digital tape is processed by computer to yield a total field magnetic contour map. When warranted, the magnetic data may also be treated mathematically to enhance the magnetic response of the near-surface geology, and an enhanced magnetic contour map is then produced. The response of the enhancement operator in the frequency domain is illustrated in Figure 5-2. This figure shows that the passband components of the airborne data are amplified 20 times by the enhancement operator. This means, for example, that a 100 nT anomaly on the enhanced map reflects a 5 nT anomaly for the passband components of the airborne data.

The enhanced map, which bears a resemblance to a downward continuation map, is produced by the digital bandpass filtering of the total field data. The enhancement is equivalent to continuing the field downward to a level (above the source) which is 1/20th of the actual sensor-source distance.

Because the enhanced magnetic map bears a resemblance to a ground magnetic map, it simplifies the recognition of trends in the rock strata and the interpretation of geological structure. It defines the near-surface local geology while de-emphasizing deep-seated regional features. It primarily has application when the magnetic rock units are steeply dipping and the earth's field dips in excess of 60 degrees.

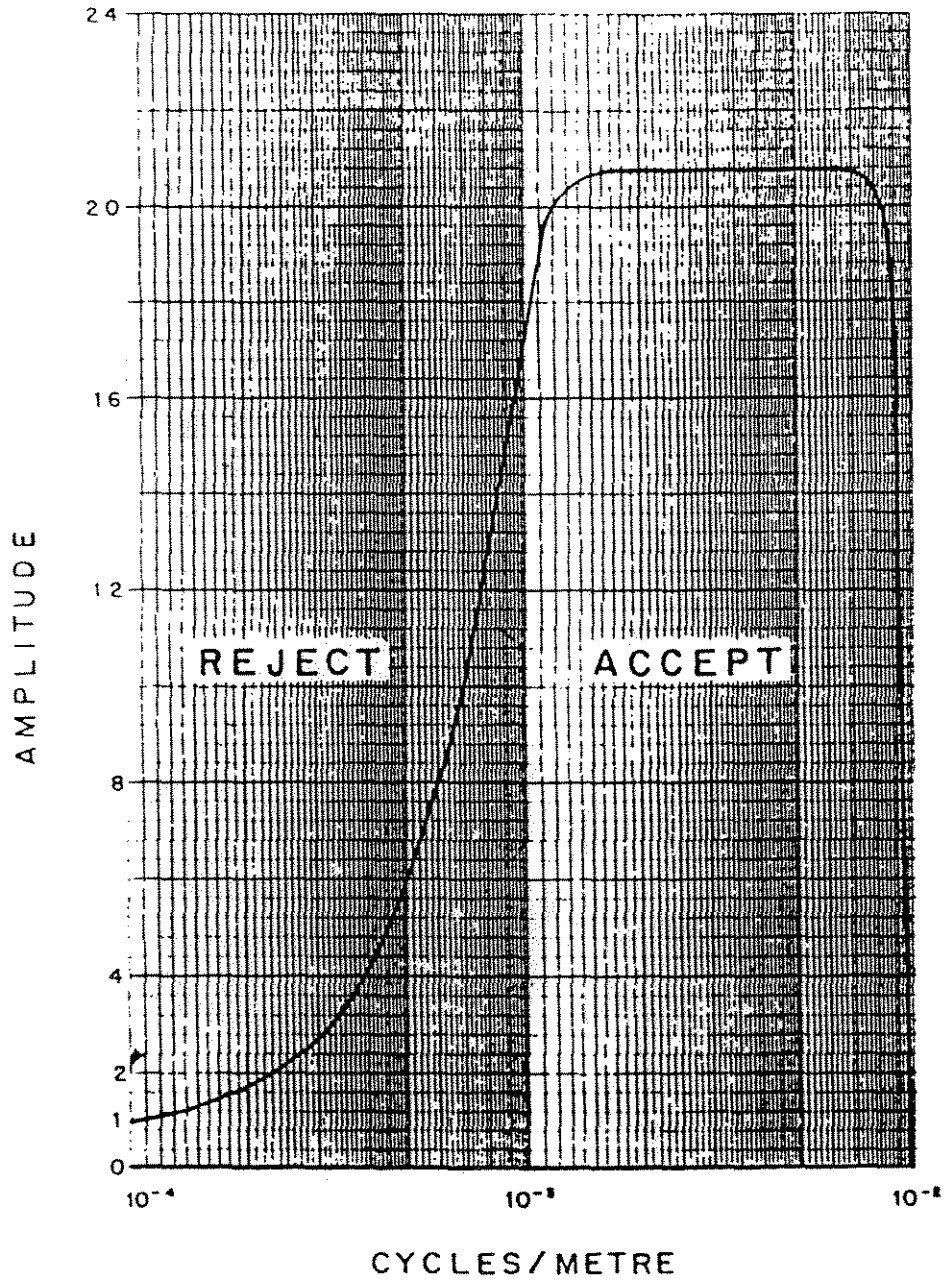


Fig. 5-2 Frequency response of magnetic enhancement operator.

Any of a number of filter operators may be applied to the magnetic data, to yield vertical derivatives, continuations, magnetic susceptibility, etc. These may be displayed in contour, colour or shadow.

## VLF

VLF transmitters produce high frequency uniform electromagnetic fields. However, VLF anomalies are not EM anomalies in the conventional sense. EM anomalies primarily reflect eddy currents flowing in conductors which have been energized inductively by the primary field. In contrast, VLF anomalies primarily reflect current gathering, which is a non-inductive phenomenon. The primary field sets up currents which flow weakly in rock and overburden, and these tend to collect in low resistivity zones. Such zones may be due to massive sulfides, shears, river valleys and even unconformities.

The VLF field is horizontal. Because of this, the method is quite sensitive to the angle of coupling between the conductor and the transmitted VLF field. Conductors which strike towards the VLF station will usually yield a stronger response than conductors which are nearly orthogonal to it.

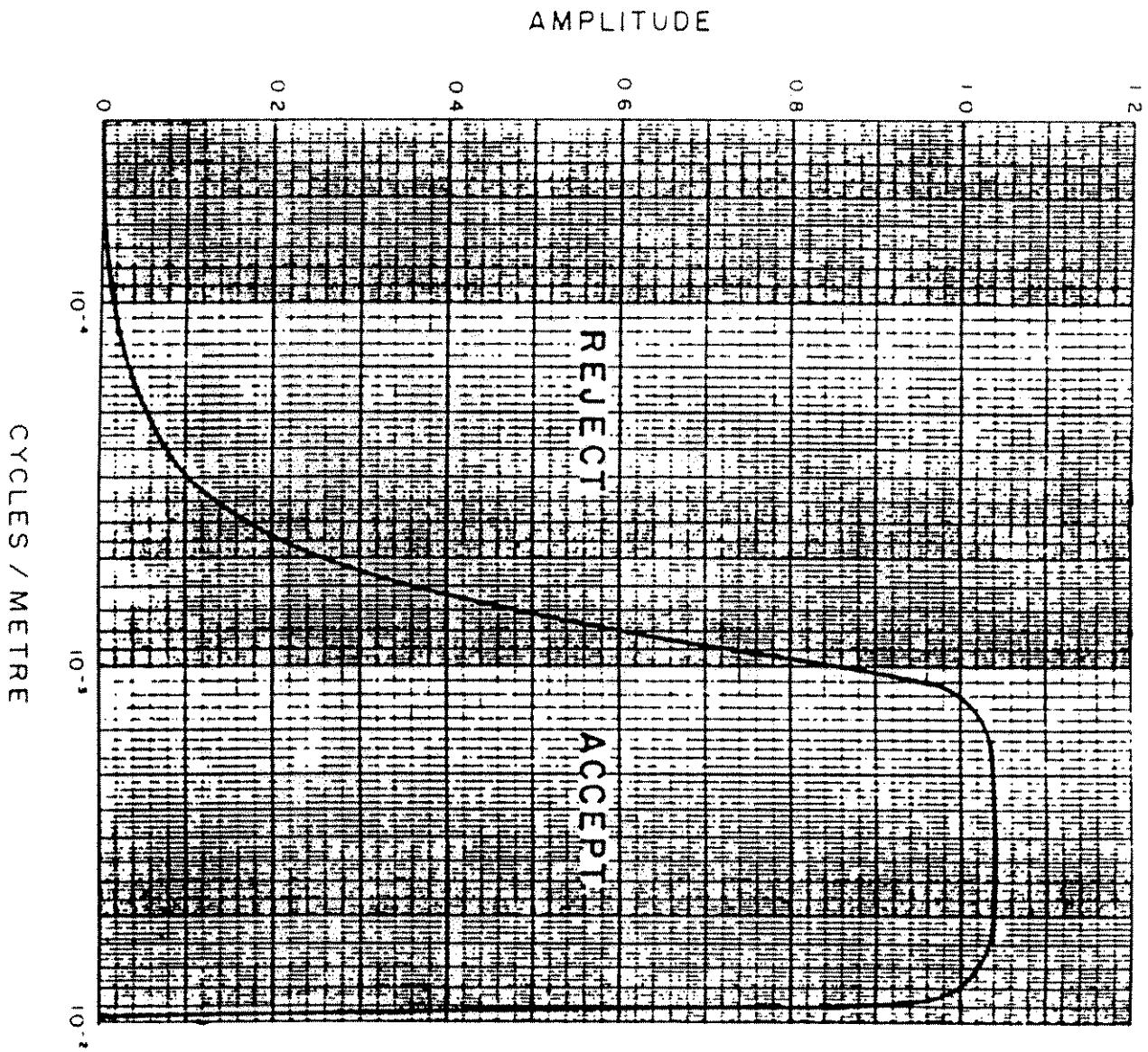


Fig. 5-3 Frequency response of VLF operator.

The Herz Industries Ltd. Totem VLF-electromagnetometer measures the total field and vertical quadrature components. Both of these components are digitally recorded in the aircraft with a sensitivity of 0.1 percent. The total field yields peaks over VLF current concentrations whereas the quadrature component tends to yield crossovers. Both appear as traces on the profile records. The total field data are filtered digitally and displayed as contours to facilitate the recognition of trends in the rock strata and the interpretation of geologic structure.

The response of the VLF total field filter operator in the frequency domain (Figure 5-3) is basically similar to that used to produce the enhanced magnetic map (Figure 5-2). The two filters are identical along the abscissa but different along the ordinant. The VLF filter removes long wavelengths such as those which reflect regional and wave transmission variations. The filter sharpens short wavelength responses such as those which reflect local geological variations.

## CONCLUSIONS AND RECOMMENDATIONS

This report provides a very brief description of the survey results and describes the equipment, procedures and logistics of the survey.

There are several anomalies in the survey block which are typical of massive sulphide responses. The survey was also successful in locating a few moderately weak or broad conductors which may warrant additional work. The various maps included with this report display the magnetic, radiometric, and conductive properties of the survey area. It is recommended that the survey results be reviewed in detail, in conjunction with all available geophysical, geological and geochemical information. Particular reference should be made to the computer generated data profiles which clearly define the characteristics of the individual anomalies.

Anomalies in the area vary from strong, to moderately weak and poorly-defined. Some are due to conductive sulphides or graphite, while others have been attributed to conductive overburden or deep weathering. Others coincide with VLF anomalies or magnetic gradients which may reflect faults or shears. Such structural breaks are considered to be of particular interest as they may have influenced mineral deposition within the survey area.

The interpreted bedrock conductors defined by the survey should be subjected to further investigation, using appropriate surface exploration techniques. Anomalies which are currently considered to be of moderately low priority may require upgrading if follow-up results are favourable.

It is also recommended that image processing of existing geophysical data be carried out, in order to extract the maximum amount of information from the survey results. Current software and imaging techniques often provide valuable information on structure and lithology, which may not be clearly evident on the contour and colour maps. These techniques can yield images which define subtle, but significant, structural details.

Respectfully submitted,

**DIGHEM**

Paul A. Smith  
Geophysicist

PAS/sdp

A1184AUG.94R

## APPENDIX A

### LIST OF PERSONNEL

The following personnel were involved in the acquisition, processing, interpretation and presentation of data, relating to a DIGHEM<sup>V</sup> airborne geophysical survey carried out for Westmin Resources Limited in the Quartz Lake area, Yukon.

Steve Kilty	Vice President, Operations
Greg Paleolog	Survey Operations Supervisor
David Miles	Senior Geophysical Operator
Philip Miles	Second Operator/Data Processor
Terry Thomson	Pilot (Questral Helicopters Ltd.)
Del Rokosh	Pilot (Questral Helicopters Ltd.)
Gordon Smith	Data Processing Supervisor
Jonathan Rudd	Computer Processor
Paul A. Smith	Interpretation Geophysicist
Lyn Vanderstarren	Drafting Supervisor
Wendy Porter	Draftsperson (CAD)
Susan Pothiah	Word Processing Operator
Albina Tonello	Secretary/Expeditior

The survey consisted of 542 km of coverage, flown from June 2 to June 3, 1994.

All personnel are employees of Dighem, except for the pilots who are employees of Questral Helicopters Ltd.

#### DIGHEM

Paul A. Smith  
Geophysicist

PAS/sdp

A1184AUG.94R

## APPENDIX B

### STATEMENT OF COST

Date: August 26, 1994

#### IN ACCOUNT WITH DIGHEM

To: Dighem flying of Agreement dated May 26, 1994, pertaining to an Airborne Geophysical Survey in the Quartz Lake area, Yukon Territory.

##### Survey Charges

500 km of flying @ \$93.00/km  
(including radiometrics)

\$46,500.00

##### Allocation of Costs

- Data Acquisition	(60%)
- Data Processing	(20%)
- Interpretation, Report and Maps	(20%)

**DIGHEM**

Paul A. Smith  
Geophysicist

PAS/sdp

A1184AUG.94R

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**APPENDIX C**

**EM ANOMALY LIST**

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	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR						
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND .SIEMEN	DEPTH* M	COND .SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT
LINE 10010	(FLIGHT	4)											
A 1258S?	1	2	1	2	2	4	-	-	-	-	-	-	0
B 1184S	1	1	1	2	2	4	-	-	-	-	-	-	0
C 1142S	1	2	1	2	2	4	-	-	-	-	-	-	0
D 1132B?	1	2	1	2	2	4	-	-	-	-	-	-	0
E 1122B	5	6	2	6	6	19	3.8	31	1	56	192	15	0
F 1099S	1	7	1	11	4	11	0.4	7	1	39	410	2	0
G 1073B?	4	3	1	3	15	14	1.0	0	1	52	134	33	0
H 1055B?	14	5	27	14	33	21	29.9	34	4	70	11	49	0
I 1039B?	5	8	12	19	43	11	3.1	26	1	62	63	30	0
LINE 10020	(FLIGHT	4)											
A 914S?	2	8	4	21	76	59	1.0	12	1	38	204	3	0
B 946S?	1	2	1	2	2	4	-	-	-	-	-	-	0
LINE 10030	(FLIGHT	4)											
A 557S?	1	2	0	2	2	4	-	-	-	-	-	-	0
B 539S	2	7	4	17	36	37	1.1	16	1	46	168	10	0
LINE 10040	(FLIGHT	4)											
A 293B?	1	2	0	2	2	4	-	-	-	-	-	-	0
B 301S?	1	2	0	2	2	4	-	-	-	-	-	-	0
C 406S	0	3	0	5	19	24	0.4	3	1	66	338	19	0
D 415B?	0	2	1	2	2	4	-	-	-	-	-	-	0
E 427S	0	4	1	7	22	33	0.4	0	1	65	313	17	0
LINE 10050	(FLIGHT	3)											
A 4659S?	0	5	1	4	11	20	0.5	0	1	49	346	21	0
B 4648D	0	5	0	2	7	18	0.4	5	1	159	1056	0	0
C 4612S	2	1	2	7	18	21	5.6	88	1	47	415	5	0
D 4600S	1	2	1	4	7	17	0.3	0	1	50	176	28	0
E 4556S	2	5	5	11	14	35	1.1	24	1	73	132	33	0
F 4549B?	5	6	7	12	7	35	3.6	42	1	78	105	40	0
G 4515S	0	3	0	5	5	10	0.4	0	1	78	897	0	0
H 4506S	1	2	0	2	2	4	-	-	-	-	-	-	0
LINE 10060	(FLIGHT	3)											
A 4233S	1	1	1	2	2	4	-	-	-	-	-	-	0
B 4263D	1	2	1	2	2	4	-	-	-	-	-	-	0
C 4281D	1	2	0	1	2	4	-	-	-	-	-	-	0
D 4293S	0	3	1	5	12	16	0.4	0	1	98	807	6	0
E 4345B	9	9	17	17	50	29	7.3	29	2	73	30	46	0

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	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR						
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND DEPTH* SIEMEN M	COND DEPTH SIEMEN M	RESIS OHM-M	DEPTH M	NT		
LINE 10060	(FLIGHT	3)											
F 4348D	1	2	1	2	2	3	-	-	-	-	0		
G 4351D	4	6	14	9	17	13	3.4	38	1	82	91	44	0
LINE 10070	(FLIGHT	3)											
A 4185S	0	2	0	2	2	4	-	-	-	-	-	0	
B 4128S?	2	2	1	5	14	16	0.9	0	1	57	297	30	0
C 4108B?	1	2	1	2	1	4	-	-	-	-	-	-	0
D 4091B?	1	2	1	2	2	4	-	-	-	-	-	-	0
E 4082B?	4	6	8	12	26	13	2.9	40	2	89	48	57	0
F 4063D	8	9	11	6	19	29	5.6	42	2	90	56	57	0
G 4058D	8	6	11	10	37	45	7.7	27	1	37	70	7	0
H 4034B?	2	18	1	33	57	247	0.5	0	1	23	288	0	0
I 4016S	1	2	1	2	2	3	-	-	-	-	-	-	0
J 3978S?	1	4	1	7	15	35	0.9	14	1	43	649	0	0
LINE 10080	(FLIGHT	3)											
A 3769S?	0	2	0	2	2	4	-	-	-	-	-	-	0
B 3822S?	4	3	4	4	7	5	1.0	0	1	93	41	75	0
C 3844S?	4	16	7	18	104	192	1.5	9	1	34	109	5	0
D 3867S?	1	7	2	11	36	51	0.7	0	1	39	234	0	0
E 3879S	0	9	5	18	60	5	0.4	0	1	38	150	2	0
F 3887S	4	17	6	30	22	53	1.2	0	1	29	181	0	0
LINE 10090	(FLIGHT	3)											
A 3611B?	0	2	1	2	2	4	-	-	-	-	-	-	0
B 3595S?	1	4	3	7	19	9	1.0	26	1	82	170	37	0
C 3581S	2	8	4	14	38	66	0.8	4	1	45	141	8	0
D 3575S	2	15	4	26	55	147	0.7	5	1	34	125	5	0
E 3566S	5	17	7	30	79	144	1.6	6	1	42	121	9	0
F 3517S	4	15	5	36	89	199	1.3	8	1	28	171	0	0
LINE 10100	(FLIGHT	3)											
A 3326S?	2	6	3	7	8	11	1.4	6	1	41	155	2	0
B 3391B?	1	2	1	2	2	4	-	-	-	-	-	-	0
C 3394S	1	11	4	21	22	96	0.5	0	1	29	241	0	0
D 3412S	0	7	1	12	29	85	0.4	0	1	45	676	0	0
LINE 10110	(FLIGHT	3)											
A 3076S	0	3	1	3	15	23	0.7	0	1	26	197	4	0
B 3049S	4	6	8	5	8	11	3.6	40	1	28	128	0	0
C 3037B?	1	2	1	2	2	4	-	-	-	-	-	-	0

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	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR							
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND .SIEMEN	DEPTH* M	COND .SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT	
LINE 10110	(FLIGHT	3)												
D 3032B?	1	2	0	2	2	4	-	-	-	-	-	-	0	
E 3021D	6	10	6	12	25	33	3.7	24	1	58	230	15	0	
F 3000S	0	2	1	2	2	4	-	-	-	-	-	-	0	
G 2973S	1	4	2	7	20	24	1.3	27	1	54	331	8	0	
H 2953S	2	14	2	26	17	160	0.7	3	1	13	448	0	0	
LINE 10120	(FLIGHT	3)												
A 2764S	3	4	2	7	26	36	3.3	38	1	22	259	0	0	
B 2777S?	1	12	2	18	20	115	0.4	1	1	21	253	0	0	
C 2801D	6	10	9	13	4	4	3.6	27	1	59	107	23	0	
D 2818D	8	7	9	12	29	17	7.1	22	1	62	139	21	0	
E 2827D	1	2	1	2	2	4	-	-	-	-	-	-	0	
F 2829D	1	6	2	6	21	29	0.5	0	1	51	362	3	0	
LINE 10130	(FLIGHT	3)												
A 2596S	4	15	5	15	39	54	1.3	9	1	25	180	0	5	
B 2585B?	2	7	2	3	9	44	1.3	19	1	19	356	0	4	
C 2569D	4	6	8	14	10	19	2.8	39	1	64	256	20	0	
D 2562H	5	8	12	17	11	31	2.8	24	1	53	58	23	0	
E 2548D	7	8	7	10	31	28	4.9	26	1	61	144	20	0	
F 2544B?	0	2	0	2	2	4	-	-	-	-	-	-	0	
G 2529D	1	2	1	2	2	4	-	-	-	-	-	-	0	
H 2519B?	0	2	1	2	2	4	-	-	-	-	-	-	0	
I 2512D	4	7	2	5	18	21	2.8	23	1	79	707	0	0	
J 2480S?	1	4	2	7	20	15	0.5	5	1	68	232	22	0	
LINE 10140	(FLIGHT	3)												
A 2192S	0	2	1	2	2	4	-	-	-	-	-	-	0	
B 2233B?	4	10	5	2	8	64	0.1	0	1	22	101	6	0	
C 2235S	1	2	1	2	2	4	-	-	-	-	-	-	0	
D 2262D	7	9	7	15	43	24	4.9	17	1	57	211	13	0	
E 2278B?	1	2	1	2	2	4	-	-	-	-	-	-	0	
F 2283D	8	5	9	13	28	21	11.4	40	1	83	142	39	0	
G 2317D	1	2	1	2	2	3	-	-	-	-	-	-	0	
H 2334B?	3	3	2	5	15	7	3.7	46	1	82	336	27	0	
LINE 10150	(FLIGHT	3)												
A 2151S	2	12	2	20	43	139	0.7	2	1	25	203	0	0	
B 2142S	2	2	2	3	15	32	0.5	0	1	18	150	1	0	
C 2134S	0	7	1	13	25	80	0.4	2	1	20	343	0	0	
D 2124S	1	4	1	7	20	41	1.1	29	1	19	382	0	0	

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	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR						
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND .SIEMEN	DEPTH* M	COND .SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT
LINE 10150	(FLIGHT	3)											
E 2107S	2	6	1	11	23	66	1.0	21	1	22	320	0	0
F 2081S	0	2	0	2	2	4	-	-	-	-	-	-	0
G 2067B?	1	2	1	2	2	4	-	-	-	-	-	-	0
H 2051B?	1	2	1	2	2	4	-	-	-	-	-	-	9
I 2043D	10	12	16	23	53	23	5.3	11	1	48	119	10	0
J 2009B?	1	2	1	2	2	4	-	-	-	-	-	-	0
K 1983S	1	2	1	2	2	4	-	-	-	-	-	-	0
LINE 10160	(FLIGHT	3)											
A 1677S	3	4	1	7	6	17	2.7	32	1	35	405	0	0
B 1731D	1	2	1	2	2	3	-	-	-	-	-	-	16
C 1739B	20	15	45	37	96	29	11.4	21	4	56	11	37	0
D 1742D	1	2	1	2	2	4	-	-	-	-	-	-	0
E 1753S?	1	2	0	2	2	4	-	-	-	-	-	-	0
F 1765B?	1	2	1	2	2	4	-	-	-	-	-	-	0
G 1770B?	1	2	1	2	2	4	-	-	-	-	-	-	0
H 1797B	0	2	0	2	2	4	-	-	-	-	-	-	0
LINE 10170	(FLIGHT	3)											
A 1550S	1	2	1	2	2	4	-	-	-	-	-	-	0
B 1488B?	1	2	1	2	2	4	-	-	-	-	-	-	0
C 1481D	1	2	1	2	2	4	-	-	-	-	-	-	0
D 1456B	1	2	1	2	2	4	-	-	-	-	-	-	12
E 1447B	19	15	39	32	82	19	11.8	6	3	44	13	24	0
F 1446D	1	2	1	2	2	4	-	-	-	-	-	-	0
G 1422B?	2	7	3	17	49	69	1.4	25	1	54	258	13	0
H 1376D	1	2	0	2	2	4	-	-	-	-	-	-	0
I 1368D	1	2	0	2	2	4	-	-	-	-	-	-	0
J 1337S?	1	2	1	2	2	4	-	-	-	-	-	-	0
LINE 10180	(FLIGHT	3)											
A 1132S?	4	2	1	2	8	9	0.7	0	1	49	436	18	0
B 1148S	0	2	0	2	2	4	-	-	-	-	-	-	0
C 1164S	1	2	1	2	2	4	-	-	-	-	-	-	0
D 1171B?	6	3	12	10	21	14	15.6	57	2	89	28	61	0
E 1176B?	4	9	9	10	24	20	2.3	28	2	69	51	39	0
F 1182D	3	7	9	15	36	23	2.0	30	1	84	107	44	0
G 1191D	17	18	23	20	73	58	7.5	25	1	64	76	32	0
H 1194D	1	2	1	2	2	4	-	-	-	-	-	-	0
I 1203B?	1	2	1	2	2	4	-	-	-	-	-	-	0
J 1210D	4	6	1	6	14	30	3.0	39	1	82	602	13	0

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	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR						
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND .SIEMEN	DEPTH* M	COND .SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT
LINE 10180	(FLIGHT	3)											
K 1233B?	0	2	1	2	2	4	-	-	-	-	-	-	0
L 1238B?	0	2	1	2	2	3	-	-	-	-	-	-	0
M 1264H	1	4	4	6	19	12	0.7	0	1	64	100	24	0
LINE 10190	(FLIGHT	3)											
A 1030S?	0	2	0	2	2	4	-	-	-	-	-	-	0
B 1020B?	1	2	1	2	2	4	-	-	-	-	-	-	0
C 1002S	1	4	1	6	21	34	1.0	28	1	60	589	2	0
D 981S?	1	2	1	2	2	4	-	-	-	-	-	-	0
E 959D	8	8	12	14	51	34	6.7	18	1	61	78	25	0
F 957D	8	8	12	14	51	34	6.7	37	1	87	64	52	0
G 943S?	1	2	1	2	2	4	-	-	-	-	-	-	0
H 935B?	4	5	1	6	14	12	3.3	43	1	73	781	0	0
I 866B?	1	2	1	2	2	4	-	-	-	-	-	-	0
J 858B?	1	2	1	2	2	4	-	-	-	-	-	-	0
LINE 10200	(FLIGHT	3)											
A 592S	1	2	1	2	2	4	-	-	-	-	-	-	0
B 633S	4	8	3	10	31	11	2.3	9	1	34	318	0	0
C 645S	1	4	0	4	19	25	0.9	0	1	38	166	17	0
D 715B?	1	2	0	2	2	4	-	-	-	-	-	-	0
E 729S?	1	2	1	2	2	4	-	-	-	-	-	-	0
F 738B?	1	2	1	2	2	4	-	-	-	-	-	-	0
G 760S?	1	2	1	2	2	4	-	-	-	-	-	-	0
H 764S	1	2	1	2	2	4	-	-	-	-	-	-	0
I 768S?	1	2	1	2	2	4	-	-	-	-	-	-	0
LINE 10210	(FLIGHT	2)											
A 5643S	1	8	1	10	32	57	0.7	3	1	42	633	0	0
B 5650B	10	17	7	20	58	30	3.7	11	1	35	143	2	0
C 5653D	1	2	1	2	2	4	-	-	-	-	-	-	0
D 5662B?	1	2	1	2	2	4	-	-	-	-	-	-	0
E 5672S	0	2	1	2	2	4	-	-	-	-	-	-	0
F 5700B?	1	1	1	2	2	2	-	-	-	-	-	-	0
G 5730B?	1	2	0	2	2	4	-	-	-	-	-	-	0
H 5740B?	0	2	1	2	2	4	-	-	-	-	-	-	0
I 5744S?	1	2	1	2	2	4	-	-	-	-	-	-	0
J 5752B	5	12	5	13	44	52	2.4	12	1	32	387	0	0
K 5774S	3	5	2	8	20	27	2.1	28	1	39	339	0	0
LINE 10220	(FLIGHT	2)											
A 5559S	4	5	1	7	19	29	4.4	50	1	35	469	0	0

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	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR						
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND .SIEMEN	DEPTH* M	COND .SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT
LINE 10220	(FLIGHT	2)											
B 5551S	4	4	1	6	17	34	3.7	47	1	54	646	0	0
C 5537S?	0	5	0	7	12	52	0.4	0	1	53	701	0	0
D 5524B	5	18	3	19	73	62	1.6	2	1	30	280	0	0
E 5510S	1	2	1	2	2	4	-	-	-	-	-	-	0
F 5483S	3	5	1	7	22	2	2.9	39	1	42	442	0	0
G 5467D	1	2	1	2	2	4	-	-	-	-	-	-	4
H 5444B?	1	2	0	2	2	4	-	-	-	-	-	-	0
I 5437D	1	2	0	2	2	4	-	-	-	-	-	-	0
J 5428B?	5	7	1	6	19	45	3.4	37	1	40	713	0	0
K 5420B?	8	5	1	0	9	20	10.4	49	1	54	656	0	0
L 5407D	14	24	7	23	77	98	4.1	12	1	22	337	0	0
M 5386S	3	3	2	3	11	9	1.0	0	1	41	248	16	0
N 5379B?	7	8	1	7	8	44	5.1	49	1	77	567	18	0
O 5374S?	4	17	3	21	9	55	1.2	16	1	35	344	3	0
P 5359S	0	6	1	9	15	64	0.4	0	1	34	542	0	0
LINE 10230	(FLIGHT	2)											
A 5143S	3	5	1	6	6	19	2.2	40	1	57	605	2	0
B 5159B	8	14	2	12	43	47	3.3	15	1	40	340	0	0
C 5182S	1	2	0	2	2	4	-	-	-	-	-	-	0
D 5196S	5	4	1	6	23	29	6.7	40	1	41	427	0	0
E 5199B?	1	2	1	2	2	4	-	-	-	-	-	-	0
F 5207B?	1	2	1	2	2	4	-	-	-	-	-	-	0
G 5224S?	0	2	0	2	2	4	-	-	-	-	-	-	0
H 5245D	5	6	1	3	12	16	4.1	23	1	82	795	0	0
I 5254D	8	12	5	14	44	39	4.2	12	1	29	348	0	0
J 5276S?	4	13	2	15	26	88	1.6	15	1	39	317	2	0
LINE 10240	(FLIGHT	2)											
A 5059S	2	3	0	3	14	21	0.7	0	1	45	282	20	0
B 5045D	13	33	11	33	100	59	3.0	12	1	42	124	11	0
C 5043B	1	2	1	2	2	4	-	-	-	-	-	-	0
D 5021S	1	6	0	8	13	40	0.6	18	1	48	576	1	0
E 5002S	1	2	1	2	2	4	-	-	-	-	-	-	0
F 4993S?	2	5	3	9	32	20	1.2	24	1	41	312	2	0
G 4986D	5	6	1	7	18	13	4.3	43	1	68	705	4	0
H 4981B?	1	2	1	2	2	4	-	-	-	-	-	-	0
I 4963S?	1	2	0	2	2	4	-	-	-	-	-	-	0
J 4958S?	1	2	0	2	2	4	-	-	-	-	-	-	0
K 4936D	9	22	2	8	47	68	2.8	9	1	32	541	0	0
L 4925D	10	15	4	9	26	56	4.2	23	1	34	514	0	0

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	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR						
ANOMALY/ FID/INTERP	REAL QUAD PPM	REAL QUAD PPM	REAL QUAD PPM	REAL QUAD PPM	COND DEPTH* SIEMEN	COND DEPTH M	RESIS OHM-M	DEPTH M					NT
LINE 10240	(FLIGHT	2)											
M 4900E	4	11	3	16	41	7	1.7	27	1	80	715	13	0
N 4894S	3	9	3	17	5	46	1.8	22	1	32	334	0	0
O 4882B?	4	6	0	9	20	45	2.8	35	1	117	1056	0	0
LINE 10250	(FLIGHT	2)											
A 4664E	1	2	1	2	2	4	-	-	-	-	-	-	0
B 4667B	10	10	8	13	36	50	7.0	31	1	65	128	27	0
C 4670B	12	7	8	13	36	46	13.4	29	1	74	82	37	0
D 4722B?	1	2	1	2	2	4	-	-	-	-	-	-	0
E 4725D	3	11	2	12	40	48	1.3	0	1	43	498	0	0
F 4745S?	2	3	0	5	14	15	1.0	0	1	35	432	6	0
G 4764D	5	11	4	10	31	40	2.4	0	1	42	590	0	0
H 4771D	8	11	4	9	25	35	4.3	24	1	47	481	0	0
I 4797S?	2	8	2	9	18	44	1.1	8	1	32	441	0	0
LINE 10260	(FLIGHT	2)											
A 4583S	2	4	1	4	16	13	1.0	0	1	45	194	22	0
B 4560B	4	1	6	2	6	9	44.8	78	2	120	54	82	0
C 4544S?	0	2	0	2	2	4	-	-	-	-	-	-	0
D 4505S?	1	2	1	2	2	4	-	-	-	-	-	-	0
E 4468S?	1	2	0	2	2	4	-	-	-	-	-	-	0
F 4447D	8	16	4	12	43	52	3.3	12	1	43	405	0	0
G 4437D	8	15	4	13	41	59	3.1	14	1	32	448	0	0
H 4428S	0	2	1	2	2	4	-	-	-	-	-	-	0
I 4412S	1	7	2	11	26	62	0.4	4	1	42	527	0	0
J 4403B?	4	6	2	4	11	31	3.3	38	1	44	341	3	0
LINE 10270	(FLIGHT	2)											
A 4172S	2	3	2	7	6	21	3.0	51	1	60	278	15	0
B 4182B?	1	2	1	2	2	4	-	-	-	-	-	-	0
C 4221S	1	2	1	2	2	4	-	-	-	-	-	-	0
D 4266S	0	2	0	2	2	4	-	-	-	-	-	-	0
E 4282B?	1	2	1	2	2	4	-	-	-	-	-	-	0
F 4289S?	1	2	1	2	2	4	-	-	-	-	-	-	0
G 4316S?	2	6	3	8	29	42	1.0	8	1	42	209	2	0
LINE 10280	(FLIGHT	2)											
A 4007S	3	5	5	8	5	21	2.9	35	1	77	103	38	0
B 4004B?	1	2	1	2	2	4	-	-	-	-	-	-	0
C 3959E	0	2	1	2	2	4	-	-	-	-	-	-	0
D 3955S	0	6	1	7	10	26	0.4	1	1	50	542	1	0

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	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR						
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND SIEMEN	DEPTH* M	COND SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT
LINE 10280	(FLIGHT	2)											
E 3888S?	1	2	1	2	2	4	-	-	-	-	-	-	0
F 3872S	2	4	1	5	15	12	2.0	43	1	41	454	0	0
G 3845S	2	5	2	14	8	69	1.4	34	1	33	379	0	0
H 3841S	1	8	1	10	38	57	0.5	10	1	34	442	0	0
LINE 10290	(FLIGHT	2)											
A 3650S	3	7	1	8	21	42	1.7	19	1	54	465	2	0
LINE 10300	(FLIGHT	2)											
A 3489S	3	2	1	3	13	12	1.0	0	1	43	238	19	0
B 3437S	1	2	1	2	2	4	-	-	-	-	-	-	0
C 3420S	0	4	1	6	15	38	0.4	2	1	62	588	5	0
D 3372D	0	2	1	2	2	4	-	-	-	-	-	-	0
E 3368S	0	5	1	7	6	37	0.4	0	1	36	557	0	0
F 3351B	1	2	1	2	2	4	-	-	-	-	-	-	0
G 3343D	2	8	1	8	16	17	1.2	10	1	84	830	0	0
H 3329S	3	7	2	10	20	25	2.0	26	1	38	492	0	0
I 3319S	0	4	1	6	16	35	0.4	0	1	44	371	2	0
LINE 10310	(FLIGHT	2)											
A 3124S	1	2	1	2	2	4	-	-	-	-	-	-	0
B 3133B?	0	2	1	2	2	4	-	-	-	-	-	-	0
C 3171S	1	2	1	2	2	2	-	-	-	-	-	-	0
D 3185S	0	5	1	4	11	40	0.3	0	1	31	334	7	0
E 3198D	5	12	5	12	37	33	2.0	4	1	45	294	2	0
F 3204D	1	6	2	7	16	8	0.4	0	1	89	613	10	0
G 3216S?	1	9	1	11	25	50	0.5	4	1	37	446	0	0
H 3224S	1	2	1	2	2	4	-	-	-	-	-	-	0
LINE 10320	(FLIGHT	2)											
A 2986S?	0	2	1	2	2	4	-	-	-	-	-	-	5
B 2945D	0	6	0	7	14	26	0.4	0	1	67	693	0	0
C 2927B?	0	2	1	2	2	4	-	-	-	-	-	-	0
D 2867S	0	2	1	2	2	4	-	-	-	-	-	-	0
E 2849D	9	20	4	14	44	55	2.8	13	1	39	338	1	5
F 2841D	3	7	1	3	12	10	1.9	34	1	69	515	13	0
G 2828S	2	6	1	9	12	47	1.0	10	1	27	512	0	0
H 2805D	20	21	17	17	36	45	8.0	10	2	73	44	42	0
LINE 10330	(FLIGHT	2)											
A 2600S	2	5	2	7	14	38	1.8	29	1	55	294	10	0

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	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR							
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND SIEMEN	DEPTH* M	COND SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT	
LINE 10330	(FLIGHT	2)												
B 2702B?	0	2	0	2	2	4	-	-	-	-	-	-	0	
C 2721D	2	8	2	9	25	32	0.8	0	1	40	500	0	0	
D 2727B?	0	2	1	0	2	3	-	-	-	-	-	-	7	
E 2742S	0	2	1	2	2	4	-	-	-	-	-	-	0	
F 2752D	41	33	34	36	94	55	13.7	15	2	58	33	33	0	
LINE 10340	(FLIGHT	1)												
A 3194S	1	2	1	2	2	4	-	-	-	-	-	-	0	
B 3243B?	0	2	0	2	1	4	-	-	-	-	-	-	0	
C 3279S?	0	2	0	1	0	4	-	-	-	-	-	-	0	
D 3298B?	0	2	1	2	2	4	-	-	-	-	-	-	0	
E 3317S	0	3	1	4	19	9	1.0	0	1	40	363	14	0	
F 3344D	14	16	15	18	50	29	6.5	14	3	95	24	67	0	
LINE 10350	(FLIGHT	1)												
A 3557S	1	7	2	7	28	13	0.8	0	1	41	292	0	0	
B 3537S	1	4	1	7	7	40	1.2	31	1	52	500	3	0	
C 3498S?	1	2	0	2	2	4	-	-	-	-	-	-	0	
D 3460S	1	2	0	2	2	4	-	-	-	-	-	-	0	
E 3406S	1	2	0	2	1	4	-	-	-	-	-	-	0	
F 3390D	6	10	4	11	33	26	3.8	20	1	53	330	7	0	
G 3361B	13	9	10	12	30	21	10.7	13	2	74	31	44	0	
LINE 10360	(FLIGHT	1)												
A 3613S	0	4	1	5	7	18	0.3	0	1	31	210	7	0	
B 3687S	0	7	1	10	19	14	0.4	0	1	48	522	0	0	
C 3735S	0	4	1	4	13	25	0.5	0	1	23	635	0	0	
D 3741B?	0	2	1	2	2	4	-	-	-	-	-	-	0	
E 3759D	0	2	1	2	2	4	-	-	-	-	-	-	0	
F 3763B?	0	2	1	2	2	4	-	-	-	-	-	-	0	
G 3779B	7	6	8	7	19	15	7.2	21	3	86	15	61	0	
H 3781D	7	6	7	7	19	15	7.2	12	4	87	9	65	0	
LINE 10370	(FLIGHT	1)												
A 4513S	1	2	1	2	2	4	-	-	-	-	-	-	0	
B 4583S	1	2	1	2	2	4	-	-	-	-	-	-	0	
C 4623S	0	2	0	2	2	4	-	-	-	-	-	-	0	
D 4644D	0	7	1	6	11	25	0.4	0	1	72	631	2	0	
E 4663B?	1	2	1	2	2	4	-	-	-	-	-	-	0	
F 4681B	16	12	31	13	20	3	11.1	6	5	55	7	37	0	
LINE 10380	(FLIGHT	1)												
A 5142S	1	2	0	2	1	4	-	-	-	-	-	-	0	

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	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR							
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND .SIEMEN	DEPTH* M	COND .SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT	
LINE 10380	(FLIGHT	1)												
B 5188S	1	2	0	2	2	4	-	-	-	-	-	-	0	
C 5204B?	3	5	1	7	17	45	2.9	37	1	55	652	0	0	
D 5210D	1	7	1	6	20	36	0.7	5	1	64	568	2	0	
E 5232D	10	10	8	16	47	37	6.6	20	1	56	115	19	0	
F 5240B?	7	3	10	4	10	21	0.4	0	1	50	143	29	0	
LINE 10390	(FLIGHT	1)												
A 5474S?	0	2	1	2	2	4	-	-	-	-	-	-	0	
B 5448S	1	1	1	2	0	4	-	-	-	-	-	-	0	
C 5408S?	1	2	1	2	2	4	-	-	-	-	-	-	0	
D 5377S	1	2	1	2	2	4	-	-	-	-	-	-	0	
E 5323D	1	2	1	2	2	4	-	-	-	-	-	-	0	
F 5307B?	1	4	0	5	9	38	0.6	7	1	67	836	0	0	
G 5296B	10	10	21	10	39	43	6.8	29	1	65	104	28	0	
H 5289B	15	3	19	7	11	19	69.3	45	3	83	14	61	0	
I 5285B	1	2	1	2	2	4	-	-	-	-	-	-	0	
LINE 10400	(FLIGHT	1)												
A 5684D	1	6	2	7	16	21	0.6	3	1	38	523	0	0	
B 5687D	1	2	1	2	2	4	-	-	-	-	-	-	0	
C 5699D	0	2	1	2	2	4	-	-	-	-	-	-	0	
D 5706B	1	2	1	2	2	4	-	-	-	-	-	-	0	
E 5711D	8	8	9	4	7	12	6.2	16	4	61	9	41	6	
F 5715B	9	5	11	5	11	11	13.9	23	5	51	8	32	0	
LINE 10410	(FLIGHT	1)												
A 5879S?	1	2	1	2	2	4	-	-	-	-	-	-	0	
B 5789S?	1	2	0	2	2	4	-	-	-	-	-	-	0	
C 5782D	5	7	1	5	20	27	3.9	38	1	54	645	0	0	
D 5778D	1	2	0	2	2	4	-	-	-	-	-	-	0	
E 5771S?	0	3	0	3	1	23	0.5	4	1	56	744	0	14	
F 5757D	20	6	35	28	75	9	35.4	31	2	66	26	40	0	
G 5755B	8	17	40	28	75	18	3.1	22	3	67	15	46	0	
H 5746D	16	14	26	23	65	24	9.5	16	3	51	14	31	0	
LINE 10420	(FLIGHT	1)												
A 6003S?	1	1	1	2	2	4	-	-	-	-	-	-	0	
B 6144S	0	1	1	2	2	4	-	-	-	-	-	-	0	
C 6177D	0	2	1	2	2	4	-	-	-	-	-	-	0	
D 6180D	0	2	1	2	2	4	-	-	-	-	-	-	0	
E 6194B	2	15	25	5	9	34	0.5	0	2	57	42	29	0	

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	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR						
ANOMALY/ FID/INTERP	REAL QUAD PPM	REAL QUAD PPM	REAL QUAD PPM	COND DEPTH* .SIEMEN	COND DEPTH M	RESIS DEPTH M OHM-M	DEPTH M	NT					
LINE 10420	(FLIGHT	1)											
F 6197B	2	15	25	5	9	34	0.5	0	3	51	21	28	0
G 6199B	14	18	25	27	41	34	5.6	3	3	46	18	24	0
LINE 10430	(FLIGHT	1)											
A 6537B?	0	2	0	2	2	4	-	-	-	-	-	-	0
B 6419S?	1	2	0	2	1	4	-	-	-	-	-	-	0
C 6392S	1	2	0	2	2	4	-	-	-	-	-	-	4
D 6334B?	2	10	1	7	13	61	0.9	16	1	42	710	0	0
E 6317D	3	21	21	10	30	51	0.8	0	2	52	51	23	0
F 6315D	3	21	20	10	30	51	0.8	3	2	65	35	38	0
G 6311D	8	3	9	9	24	6	26.9	53	3	64	22	40	0
H 6307D	11	15	13	9	53	22	4.9	16	2	56	25	32	0
LINE 10440	(FLIGHT	1)											
A 6619S?	0	2	0	2	1	4	-	-	-	-	-	-	0
B 6640S	1	2	0	2	2	4	-	-	-	-	-	-	0
C 6760S	0	2	1	2	2	4	-	-	-	-	-	-	0
D 6782B	1	2	1	2	2	4	-	-	-	-	-	-	0
E 6786D	16	15	23	11	22	13	8.7	12	2	50	45	22	0
F 6793D	26	22	27	25	91	97	10.9	8	2	37	23	15	0
G 6794B	26	22	27	25	91	97	10.9	12	2	40	29	17	0
LINE 10450	(FLIGHT	2)											
A 149S	1	1	0	2	1	4	-	-	-	-	-	-	0
B 299S	1	2	0	2	2	4	-	-	-	-	-	-	0
C 308B?	9	16	50	42	109	51	3.4	17	1	47	123	13	0
D 312D	39	14	58	31	55	51	38.7	9	3	42	17	21	0
E 314D	39	8	58	31	55	43	80.0	22	4	50	9	32	0
F 316B	1	2	1	2	2	4	-	-	-	-	-	-	0
LINE 10460	(FLIGHT	2)											
A 614S?	1	2	0	2	2	4	-	-	-	-	-	-	0
B 573D	1	4	0	2	6	5	0.6	0	1	132	1056	0	0
C 559S	0	2	0	2	2	4	-	-	-	-	-	-	0
D 466S	1	1	0	2	2	4	-	-	-	-	-	-	0
E 428S?	1	2	0	2	2	4	-	-	-	-	-	-	0
F 387S	1	2	0	2	2	4	-	-	-	-	-	-	0
G 367B	7	13	26	12	19	55	3.1	20	1	45	161	9	0
H 360D	19	19	53	34	3	55	8.2	27	4	58	7	42	17
I 358D	38	25	53	39	89	39	17.6	17	4	50	10	33	0
LINE 10470	(FLIGHT	2)											
A 665S	1	2	0	2	2	4	-	-	-	-	-	-	0

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ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND DEPTH* SIEMEN	M	COND DEPTH SIEMEN	M	RESIS OHM-M	DEPTH M	NT	
LINE 10470	(FLIGHT	2)												
B 695B?	1	2	0	1	2	4	-	-	-	-	-	-	0	
C 717S	0	3	0	4	10	13	0.8	0	1	41	715	11	0	
D 829S?	0	2	1	2	2	4	-	-	-	-	-	-	0	
E 838B	1	2	1	2	2	0	-	-	-	-	-	-	13	
F 842B	11	6	13	10	29	28	15.0	41	2	77	33	49	15	
G 844B	11	6	13	10	29	28	15.0	33	2	68	34	40	0	
H 848B	1	1	1	2	2	4	-	-	-	-	-	-	0	
LINE 10480	(FLIGHT	2)												
A 1100S	1	2	1	2	2	4	-	-	-	-	-	-	0	
B 1092S?	1	2	1	2	2	4	-	-	-	-	-	-	0	
C 1042S	0	2	0	2	2	4	-	-	-	-	-	-	0	
D 952S	0	2	0	2	1	4	-	-	-	-	-	-	0	
E 918S	1	2	0	2	2	4	-	-	-	-	-	-	0	
F 902D	1	2	1	2	2	4	-	-	-	-	-	-	0	
G 897D	14	7	14	17	52	33	20.0	46	1	78	57	46	0	
H 888B	20	17	15	21	63	43	10.2	10	2	42	36	16	0	
LINE 10490	(FLIGHT	2)												
A 1150S	1	2	0	2	2	4	-	-	-	-	-	-	0	
B 1155S?	1	2	0	2	2	4	-	-	-	-	-	-	0	
C 1216S?	1	2	0	1	2	3	-	-	-	-	-	-	0	
D 1239S	1	2	0	1	1	4	-	-	-	-	-	-	0	
E 1295S	1	2	0	2	2	4	-	-	-	-	-	-	0	
F 1321S	0	2	1	2	2	4	-	-	-	-	-	-	0	
G 1326D	1	2	1	1	2	4	-	-	-	-	-	-	40	
H 1334D	19	20	12	9	48	30	7.6	15	2	61	30	35	0	
I 1339D	20	14	20	9	48	14	12.2	20	2	54	28	29	0	
LINE 10500	(FLIGHT	2)												
A 1471S?	0	2	0	2	2	4	-	-	-	-	-	-	0	
B 1411B?	0	2	1	2	2	4	-	-	-	-	-	-	0	
C 1402D	16	37	31	52	122	166	3.5	12	1	44	60	18	0	
D 1399D	16	37	31	52	122	166	3.5	8	2	49	36	25	17	
E 1393D	1	2	1	2	2	4	-	-	-	-	-	-	0	
LINE 10510	(FLIGHT	2)												
A 1808D	3	6	1	3	6	14	2.2	24	1	87	272	34	0	
B 1821S?	1	2	0	2	2	4	-	-	-	-	-	-	0	
C 1824S?	1	2	1	2	2	4	-	-	-	-	-	-	0	
D 1992S	0	2	1	2	2	4	-	-	-	-	-	-	0	

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ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND .SIEMEN	DEPTH* M	COND .SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT
LINE 10510	(FLIGHT	2)											
E 2008S?	0	2	0	2	2	4	-	-	-	-	-	-	0
F 2037B?	0	2	1	2	2	4	-	-	-	-	-	-	0
G 2050S?	0	2	1	2	2	4	-	-	-	-	-	-	0
H 2055B	18	14	26	16	53	5	11.3	21	2	60	48	31	0
I 2057B	18	14	25	16	45	59	11.5	21	2	63	37	36	0
J 2061D	10	16	23	15	45	59	4.4	15	2	54	25	30	0
LINE 10520	(FLIGHT	2)											
A 2416D	1	6	0	2	7	7	0.8	6	1	96	402	28	0
B 2400S	1	2	1	2	2	4	-	-	-	-	-	-	0
C 2393S	1	2	0	2	2	4	-	-	-	-	-	-	0
LINE 10521	(FLIGHT	2)											
A 2160S?	0	2	0	2	2	4	-	-	-	-	-	-	0
B 2151S	1	5	0	7	15	41	0.4	9	1	53	747	0	0
C 2127D	14	15	2	16	51	34	6.7	28	1	60	95	27	0
D 2117B	12	16	14	23	14	76	5.3	21	3	78	18	54	0
LINE 10530	(FLIGHT	4)											
A 4472D	1	2	0	2	2	4	-	-	-	-	-	-	0
B 4498S	1	1	1	2	1	4	-	-	-	-	-	-	0
C 4525S?	1	2	1	2	2	4	-	-	-	-	-	-	0
D 4670S	0	2	0	2	2	4	-	-	-	-	-	-	0
E 4685B	11	3	15	16	46	15	32.2	26	3	61	23	35	0
LINE 10540	(FLIGHT	4)											
A 4995D	2	5	1	12	16	39	1.7	56	1	49	503	13	0
B 5028S?	1	1	0	2	2	4	-	-	-	-	-	-	0
C 5056D	1	2	0	1	2	4	-	-	-	-	-	-	0
D 5196S	0	4	0	5	11	26	0.4	0	1	27	538	0	0
E 5215B	1	2	1	2	2	4	-	-	-	-	-	-	0
LINE 10550	(FLIGHT	4)											
A 5497D	0	2	1	2	2	4	-	-	-	-	-	-	0
B 5480S?	0	2	0	2	1	4	-	-	-	-	-	-	0
C 5450S?	1	3	1	5	17	30	0.6	0	1	57	192	33	0
D 5376S?	0	2	0	1	0	4	-	-	-	-	-	-	0
E 5305S	1	2	0	2	2	4	-	-	-	-	-	-	0
F 5279B?	1	2	0	2	2	4	-	-	-	-	-	-	0
G 5263B?	1	2	0	2	2	4	-	-	-	-	-	-	0
H 5256D	1	2	1	2	2	4	-	-	-	-	-	-	0

.\* ESTIMATED DEPTH MAY BE UNRELIABLE BECAUSE THE STRONGER PART  
 . OF THE CONDUCTOR MAY BE DEEPER OR TO ONE SIDE OF THE FLIGHT  
 . LINE, OR BECAUSE OF A SHALLOW DIP OR OVERBURDEN EFFECTS.

	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR						
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND .SIEMEN	DEPTH* M	COND .SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT
LINE 10550	(FLIGHT	4)											
I 5254B	11	6	13	11	16	38	15.7	41	1	47	310	6	0
LINE 10560	(FLIGHT	4)											
A 5550S?	1	2	0	1	2	4	-	-	-	-	-	-	0
B 5609S	1	2	1	2	2	4	-	-	-	-	-	-	8
C 5702S?	0	4	1	5	16	23	0.4	0	1	90	537	13	6
D 5734S	0	2	1	2	2	4	-	-	-	-	-	-	0
E 5755B	2	5	2	9	2	21	1.5	29	1	63	376	15	0
LINE 10570	(FLIGHT	4)											
A 6066S	0	2	0	2	2	4	-	-	-	-	-	-	0
B 6036B?	0	2	1	2	2	4	-	-	-	-	-	-	0
C 5863H	1	2	1	4	14	16	0.9	0	1	52	268	28	0
D 5824S?	1	2	0	2	2	4	-	-	-	-	-	-	0
LINE 10580	(FLIGHT	4)											
A 6199S	1	1	1	2	2	4	-	-	-	-	-	-	0
B 6208B?	0	2	0	2	2	4	-	-	-	-	-	-	0
C 6290S?	1	2	1	2	0	4	-	-	-	-	-	-	0
D 6324S	0	2	0	1	2	4	-	-	-	-	-	-	0
E 6354S	0	2	1	2	2	4	-	-	-	-	-	-	0
F 6367S?	0	3	1	2	10	25	0.4	0	1	44	363	16	0
G 6397D	1	2	1	2	2	4	-	-	-	-	-	-	0
LINE 10590	(FLIGHT	4)											
A 6604S?	1	2	0	2	0	4	-	-	-	-	-	-	0
B 6563B	1	2	0	2	2	4	-	-	-	-	-	-	0
C 6521S	1	2	1	2	2	4	-	-	-	-	-	-	0
D 6480B?	1	2	1	2	2	4	-	-	-	-	-	-	0
E 6475B	1	2	1	2	2	4	-	-	-	-	-	-	0
F 6466D	3	8	1	7	19	14	2.1	26	1	69	381	19	0
LINE 10600	(FLIGHT	4)											
A 6821S?	0	2	1	2	2	4	-	-	-	-	-	-	0
B 6853B?	1	1	0	1	0	4	-	-	-	-	-	-	0
C 6952B?	1	2	1	2	2	4	-	-	-	-	-	-	0
D 6960B	1	2	1	2	2	4	-	-	-	-	-	-	0
E 6977S	0	2	0	2	2	4	-	-	-	-	-	-	0
LINE 10610	(FLIGHT	4)											
A 7263S	1	2	1	2	2	4	-	-	-	-	-	-	0

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OF THE CONDUCTOR MAY BE DEEPER OR TO ONE SIDE OF THE FLIGHT  
LINE, OR BECAUSE OF A SHALLOW DIP OR OVERBURDEN EFFECTS.

	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR						
ANOMALY/ FID/INTERP	REAL QUAD PPM	REAL QUAD PPM	REAL QUAD PPM	COND SIEMEN	DEPTH* M	COND SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT			
LINE 10610	(FLIGHT	4)											
B 7107B?	1	2	0	2	4	-	-	-	-	19			
C 7064H	2	2	1	5	16	10	1.0	0	1	54	284	29	0
D 7039D	1	8	1	9	35	46	0.4	0	1	41	650	0	0
LINE 10620	(FLIGHT	4)											
A 4213S?	0	1	0	2	2	4	-	-	-	-	-	-	0
B 4165B?	1	4	1	5	13	20	0.7	0	1	27	261	2	0
C 4142D	0	2	1	2	2	4	-	-	-	-	-	-	0
LINE 10630	(FLIGHT	4)											
A 3952S?	1	1	0	1	2	4	-	-	-	-	-	-	0
B 4047S?	1	4	1	6	14	22	0.9	15	1	67	470	4	0
C 4069B	0	3	1	5	15	8	1.0	0	1	32	306	5	0
D 4073D	1	2	0	2	2	4	-	-	-	-	-	-	0
LINE 10640	(FLIGHT	4)											
A 3724S?	0	2	0	1	2	4	-	-	-	-	-	-	0
B 3668S	1	7	1	10	20	74	0.7	11	1	30	627	0	0
C 3623S	1	2	1	2	2	4	-	-	-	-	-	-	0
LINE 10650	(FLIGHT	4)											
A 3423S	1	2	0	2	2	3	-	-	-	-	-	-	0
B 3505S	0	2	1	2	2	4	-	-	-	-	-	-	0
C 3552S?	1	2	0	2	2	4	-	-	-	-	-	-	4
LINE 10660	(FLIGHT	4)											
A 3335S	1	2	0	2	2	4	-	-	-	-	-	-	0
B 3319S	0	2	0	2	2	4	-	-	-	-	-	-	0
C 3231S	1	2	1	2	2	4	-	-	-	-	-	-	0
D 3148S	2	4	2	9	11	33	2.3	62	1	74	279	29	0
E 3109B	1	13	2	19	51	113	0.4	11	1	32	363	1	0
LINE 10670	(FLIGHT	4)											
A 2863S	1	2	0	1	2	4	-	-	-	-	-	-	0
B 2907S	1	2	0	2	2	4	-	-	-	-	-	-	0
C 2921S?	0	2	0	2	0	4	-	-	-	-	-	-	0
D 2961S	1	2	1	2	2	4	-	-	-	-	-	-	180
E 2970S	1	2	1	2	2	4	-	-	-	-	-	-	0
F 3023S	1	3	2	7	19	19	0.6	14	1	71	239	25	40
LINE 10680	(FLIGHT	4)											
A 2790S?	0	1	1	2	2	4	-	-	-	-	-	-	0

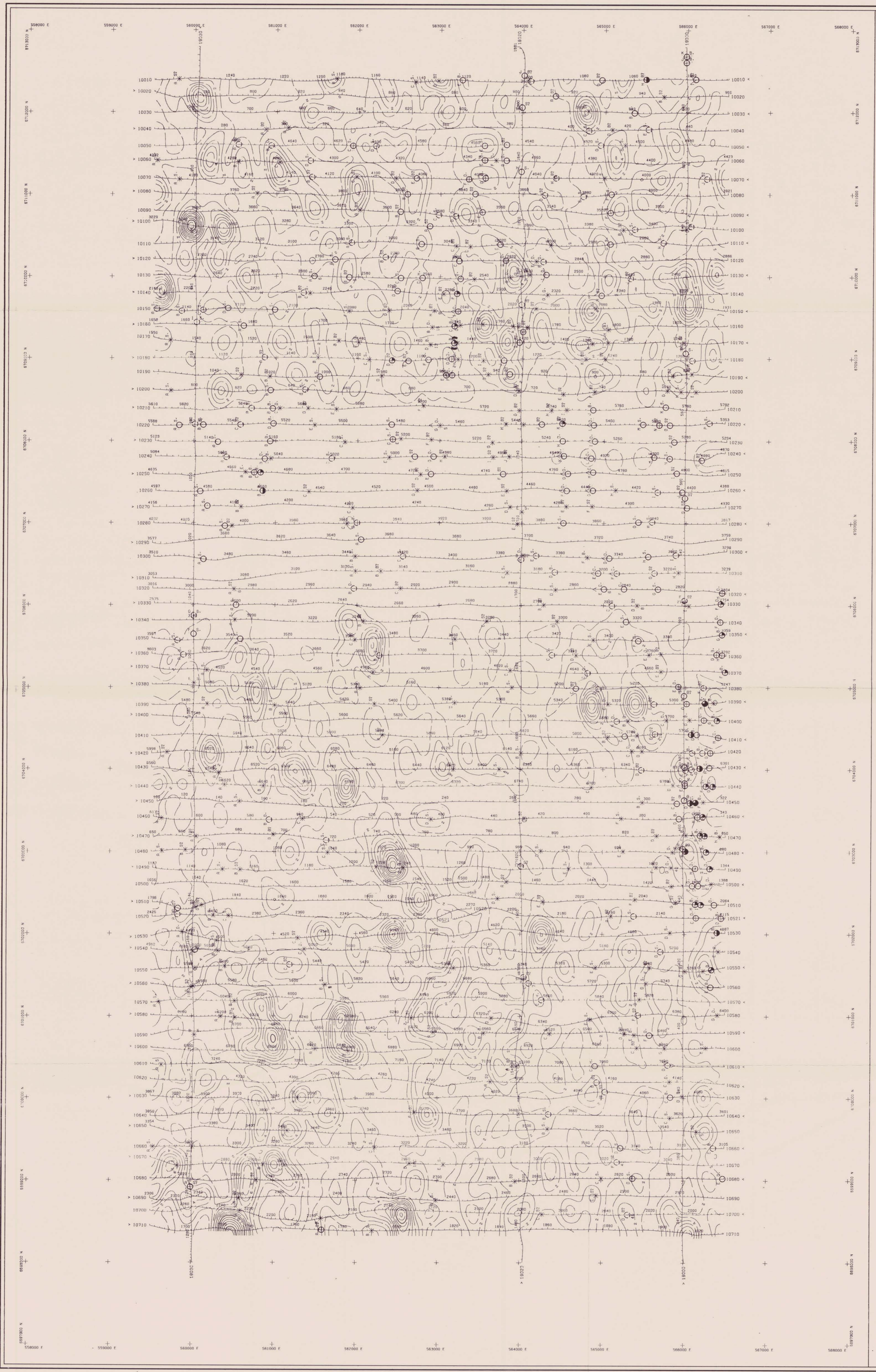
. \* ESTIMATED DEPTH MAY BE UNRELIABLE BECAUSE THE STRONGER PART .  
. OF THE CONDUCTOR MAY BE DEEPER OR TO ONE SIDE OF THE FLIGHT .  
. LINE, OR BECAUSE OF A SHALLOW DIP OR OVERBURDEN EFFECTS. .

	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR							
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND .SIEMEN	DEPTH* M	COND .SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT	
LINE 10680	(FLIGHT	4)												
B 2671S?	1	2	0	2	2	4	-	-	-	-	-	-	0	
C 2628S	1	2	1	2	2	4	-	-	-	-	-	-	0	
D 2614S	7	6	2	6	18	26	6.4	41	1	64	314	18	0	
E 2581D	3	9	1	6	18	29	1.4	22	1	66	719	4	0	
LINE 10690	(FLIGHT	4)												
A 2359B?	1	2	0	2	2	4	-	-	-	-	-	-	0	
B 2435S	0	2	1	2	2	4	-	-	-	-	-	-	0	
C 2490S?	0	2	1	2	2	4	-	-	-	-	-	-	0	
LINE 10700	(FLIGHT	4)												
A 2229S?	0	1	0	2	2	4	-	-	-	-	-	-	0	
B 2176H	1	2	1	2	2	2	-	-	-	-	-	-	0	
C 2069S?	0	2	0	2	2	4	-	-	-	-	-	-	0	
D 2031B?	1	4	3	6	18	17	0.9	8	1	67	124	25	40	
LINE 10710	(FLIGHT	4)												
A 1771B?	4	3	6	8	13	9	6.2	34	2	84	42	50	0	
B 1791S	0	2	0	2	2	4	-	-	-	-	-	-	0	
LINE 19000	(FLIGHT	5)												
A 454B?	3	4	6	6	21	12	3.1	44	2	81	42	50	0	
B 467B	7	8	13	16	22	52	4.6	24	2	53	28	28	0	
C 472B	6	9	8	6	18	53	4.0	26	2	53	27	29	0	
D 477B	4	10	16	24	59	54	2.0	18	2	50	39	24	0	
E 498B?	2	4	3	3	18	20	2.1	37	1	78	73	42	0	
F 525S?	1	5	1	7	10	54	0.4	0	1	49	433	4	0	
G 555S?	2	4	2	7	26	22	2.3	39	1	60	172	19	0	
H 597S	4	9	5	15	42	55	2.0	19	1	54	121	18	0	
I 639S	0	2	1	2	2	4	-	-	-	-	-	-	0	
J 694B	14	14	35	33	78	56	7.0	21	3	57	18	35	0	
K 696B	14	15	35	34	78	56	6.8	25	2	57	52	28	0	
LINE 19020	(FLIGHT	5)												
A 1543S	0	1	0	2	1	4	-	-	-	-	-	-	0	
B 1576B?	2	2	1	4	15	18	0.9	0	1	55	246	29	0	
C 1616S?	0	4	0	6	8	40	0.4	0	1	80	707	1	0	
D 1709B?	1	6	0	6	7	41	0.6	5	1	48	712	0	0	
E 1722S	1	2	1	2	2	4	-	-	-	-	-	-	0	
F 1778B	3	5	2	10	29	44	2.5	31	1	46	605	0	0	
G 1788B?	1	3	1	7	17	25	0.7	0	1	62	294	12	0	

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 . LINE, OR BECAUSE OF A SHALLOW DIP OR OVERBURDEN EFFECTS. .

	COAXIAL 1080 HZ	COPLANAR 919 HZ	COPLANAR 7200 HZ	VERTICAL DIKE	HORIZONTAL SHEET	CONDUCTIVE EARTH	MAG CORR						
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND DEPTH* SIEMEN M	COND DEPTH SIEMEN M	RESIS OHM-M	DEPTH M	NT		
LINE 19020	(FLIGHT	5)											
H 1835S	2	3	2	6	17	16	2.0	24	1	57	313	4	0
I 1859S?	5	3	0	2	7	6	1.0	0	1	47	299	21	0
J 1870B?	3	8	0	10	32	64	1.7	23	1	44	749	0	2520
LINE 19030	(FLIGHT	5)											
A 1256S?	3	2	0	0	2	14	8.5	84	1	222	1056	0	0
B 1195S	1	2	1	2	2	4	-	-	-	-	-	-	0
C 1178S?	0	2	0	2	2	4	-	-	-	-	-	-	0
D 1164B?	0	2	0	2	2	4	-	-	-	-	-	-	0
E 1070S	0	2	0	2	2	4	-	-	-	-	-	-	0
F 1053S	1	4	1	7	20	46	1.1	35	1	42	392	4	0
G 1047S	2	9	2	15	7	20	0.8	5	1	30	354	0	0
H 981S?	0	3	0	6	22	38	0.4	4	1	64	816	0	0
I 951S	1	10	3	18	50	20	0.4	0	1	28	351	0	0

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OF THE CONDUCTOR MAY BE DEEPER OR TO ONE SIDE OF THE FLIGHT  
LINE, OR BECAUSE OF A SHALLOW DIP OR OVERBURDEN EFFECTS.



**TECHNICAL SUMMARY**

Navigation: Serial real time differential GPS positioning  
 Data reduction grid interval: 50 metres  
 Helicopter/Spectrometer 50 m  
 Terrain clearance: Electromagnetic sensor 30 m  
 Magnetometer: VLF receiver 40 m  
 Data sampling interval: 0.1 second  
 Magnetometer / sensitivity: Scintrex cesium / 0.01 nT  
 VLF receiver / sensitivity: Herz 2A / 1%  
 Electromagnetic system: DIGHEM\*  
 Spectrometer: GAD4

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
2	< 1 siemens	
56000 Hz	1.0 ppm	Horizontal coplanar



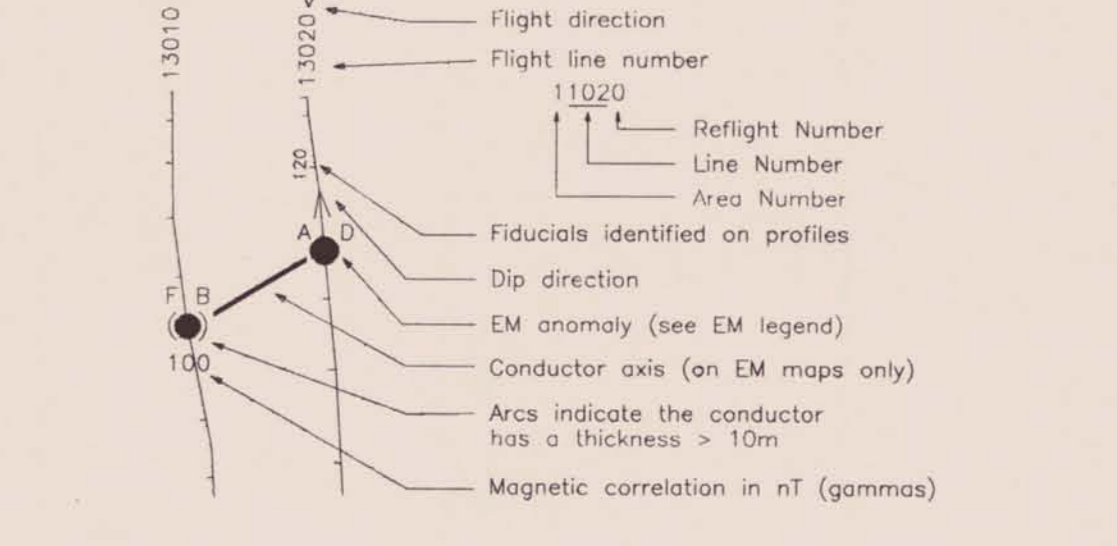
**ELECTROMAGNETIC ANOMALIES**

Grade	Anomaly	Conductance
7	●	>100 siemens
6	●	50-100 siemens
5	●	20-50 siemens
4	●	10-20 siemens
3	●	5-10 siemens
2	●	1-5 siemens
1	●	< 1 siemens
-	*	Questionable anomaly

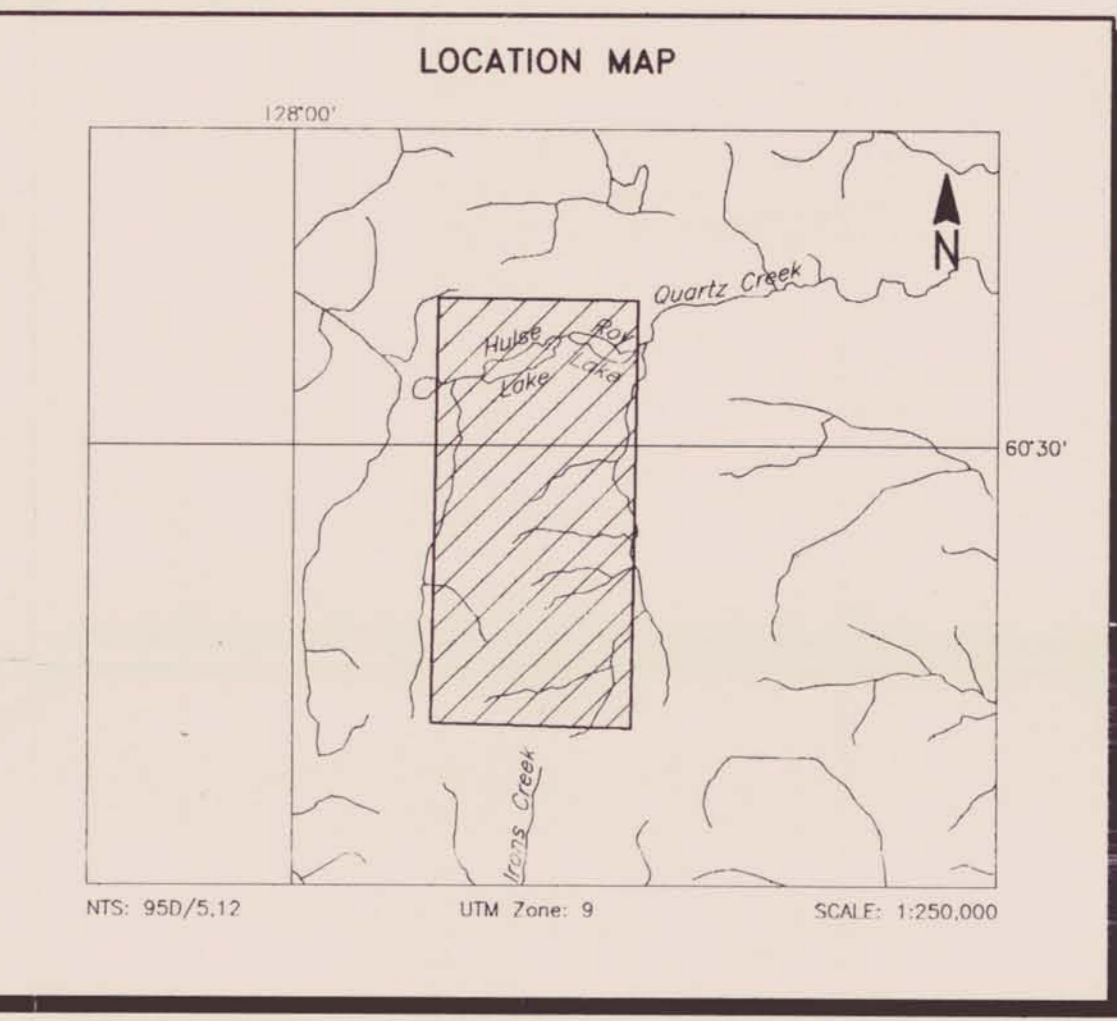
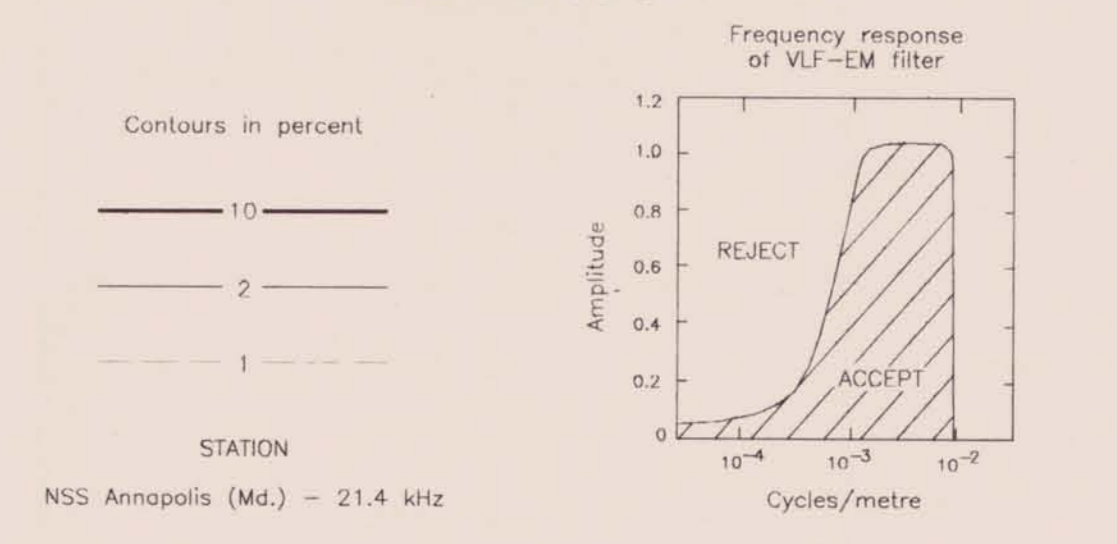
Interpretive symbol	Conductor ("mode")
B	Bedrock conductor
B	Narrow bedrock conductor ("thin dia")
S	Conductive cover ("horizontal thin sheet")
H	Broad conductive rock unit, steep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence

Depth is greater than:  
 15 m  
 30 m  
 45 m  
 60 m

**FLIGHT LINES WITH EM ANOMALIES**



**VLF CONTOURS**

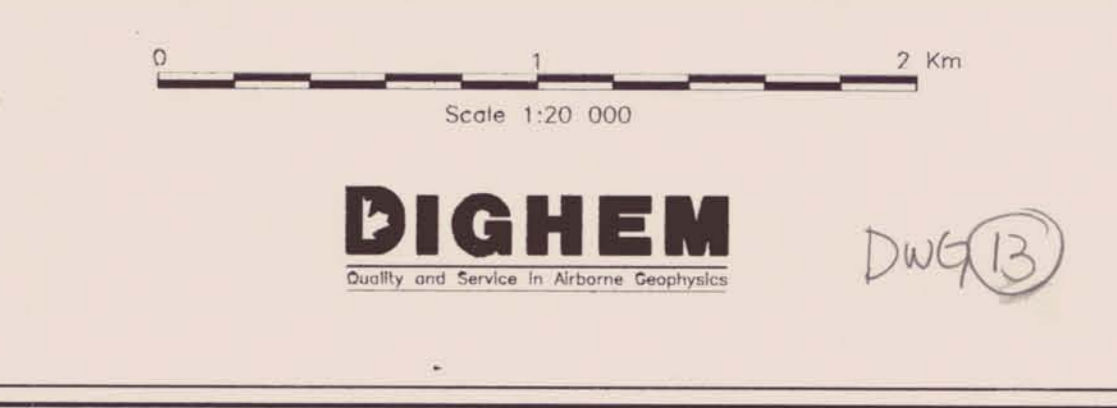


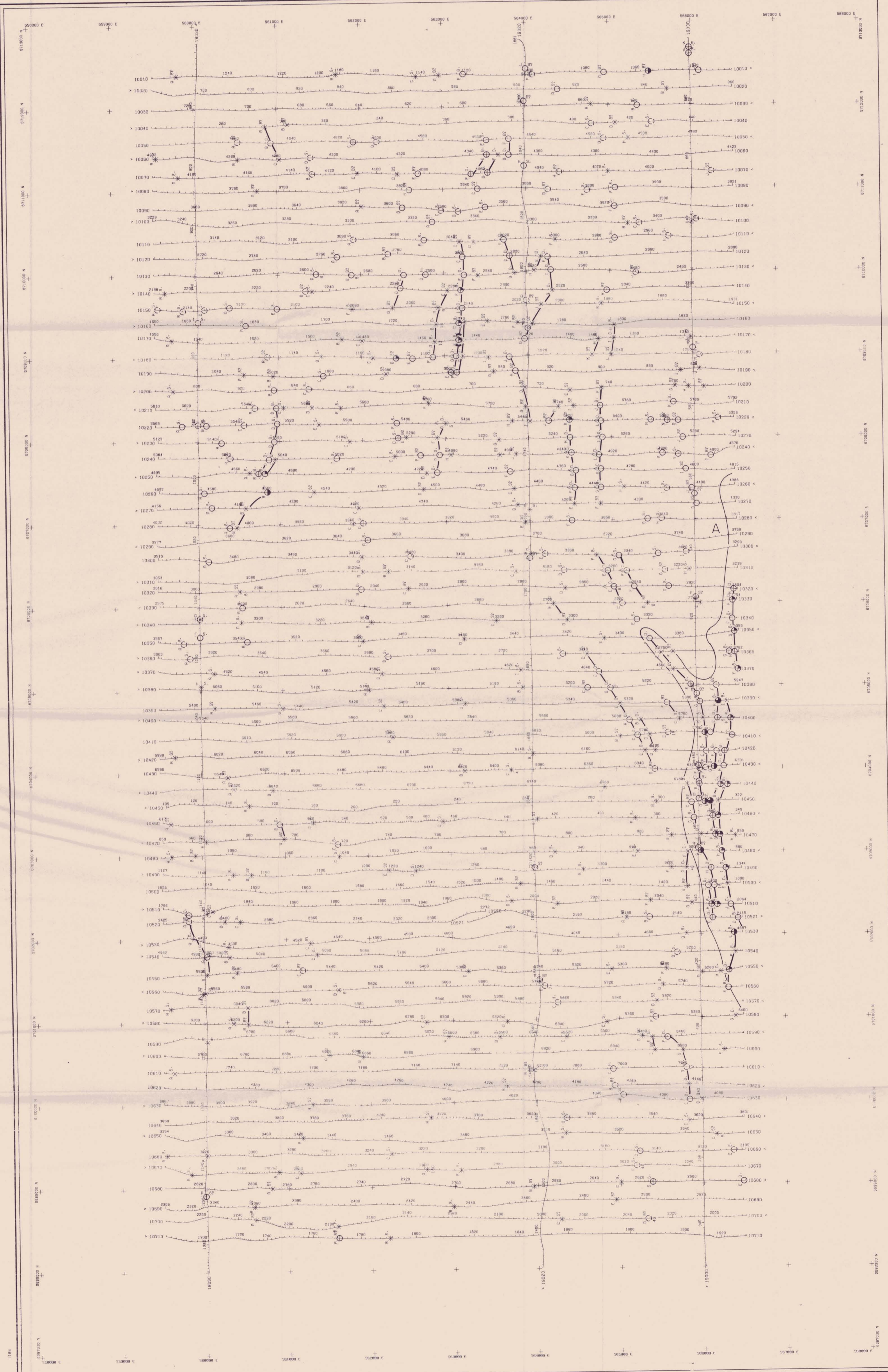
**WESTMIN RESOURCES LIMITED**  
**QUARTZ LAKE AREA, YUKON**

**FILTERED VLF 093308**

DIGHEM* SURVEY	NTS: 950/5,12	GEOPHYSICIST: [Signature]
DATE: JUNE 1994	JOB: 1184	SHEET: 1

DIGHEM, A division of CCG Canada Ltd.





**TECHNICAL SUMMARY**

Navigation ..... Serial real time differential GPS positioning  
 Data reduction grid interval ..... 50 metres  
 Terrain clearance ..... Helicopter/Spectrometer 60 m  
 Electromagnetic sensor 30 m  
 Magnetometer, VLF receiver 40 m  
 Data sampling interval ..... 0.1 second  
 Magnetometer / sensitivity ..... Scintrex cesium / 0.01 nT  
 VLF receiver / sensitivity ..... Herz 2A / 1%  
 Electromagnetic system ..... DIGHEM  
 Spectrometer ..... GAD4

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
4500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	1.0 ppm	Horizontal coplanar



**ELECTROMAGNETIC ANOMALIES**

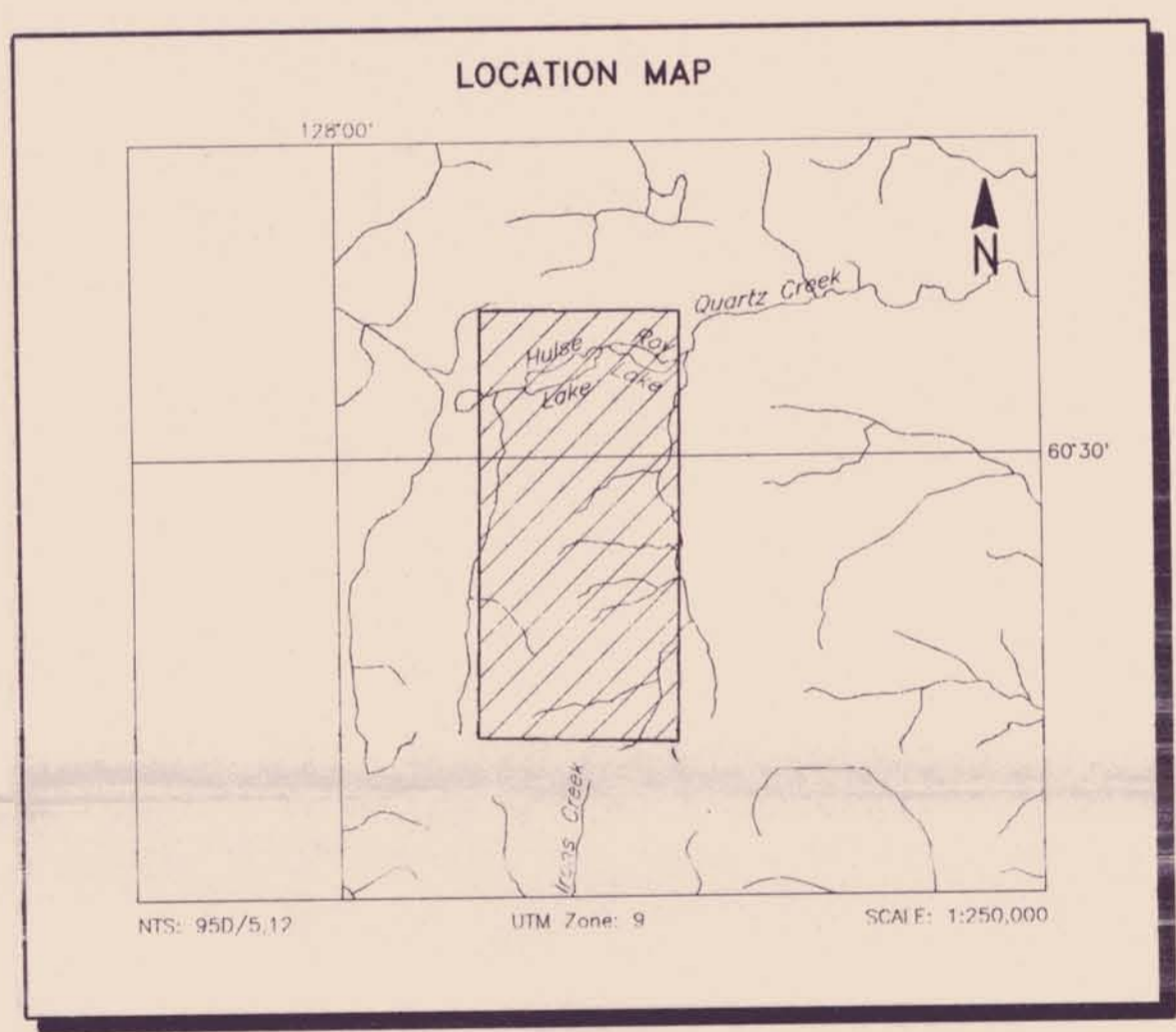
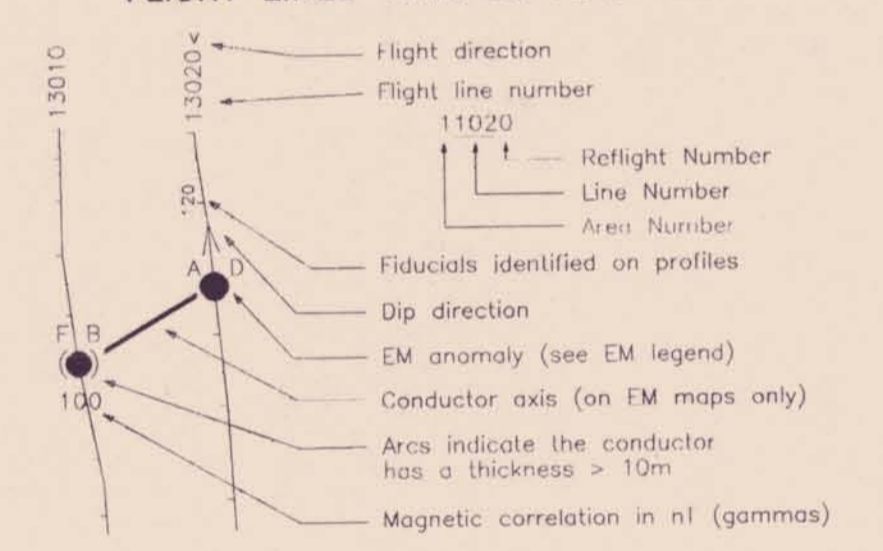
Grade	Anomaly	Conductance
7	●	>100 siemens
6	●	50-100 siemens
5	●	20-50 siemens
4	●	10-20 siemens
3	●	5-10 siemens
2	●	1-5 siemens
1	●	< 1 siemens
-	*	Questionable anomaly

Interpretive symbol	Conductor ("mode")
B	Bedrock conductor
D	Narrow bedrock conductor ("thin dike")
S	Conductive cover ("horizontal thin sheet")
H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence

Depth is greater than:  
 15 m  
 30 m  
 45 m  
 60 m

Inphase and Quadrature of coaxial coil is greater than:  
 5 ppm  
 10 ppm  
 15 ppm  
 20 ppm

**FLIGHT LINES WITH EM ANOMALIES**



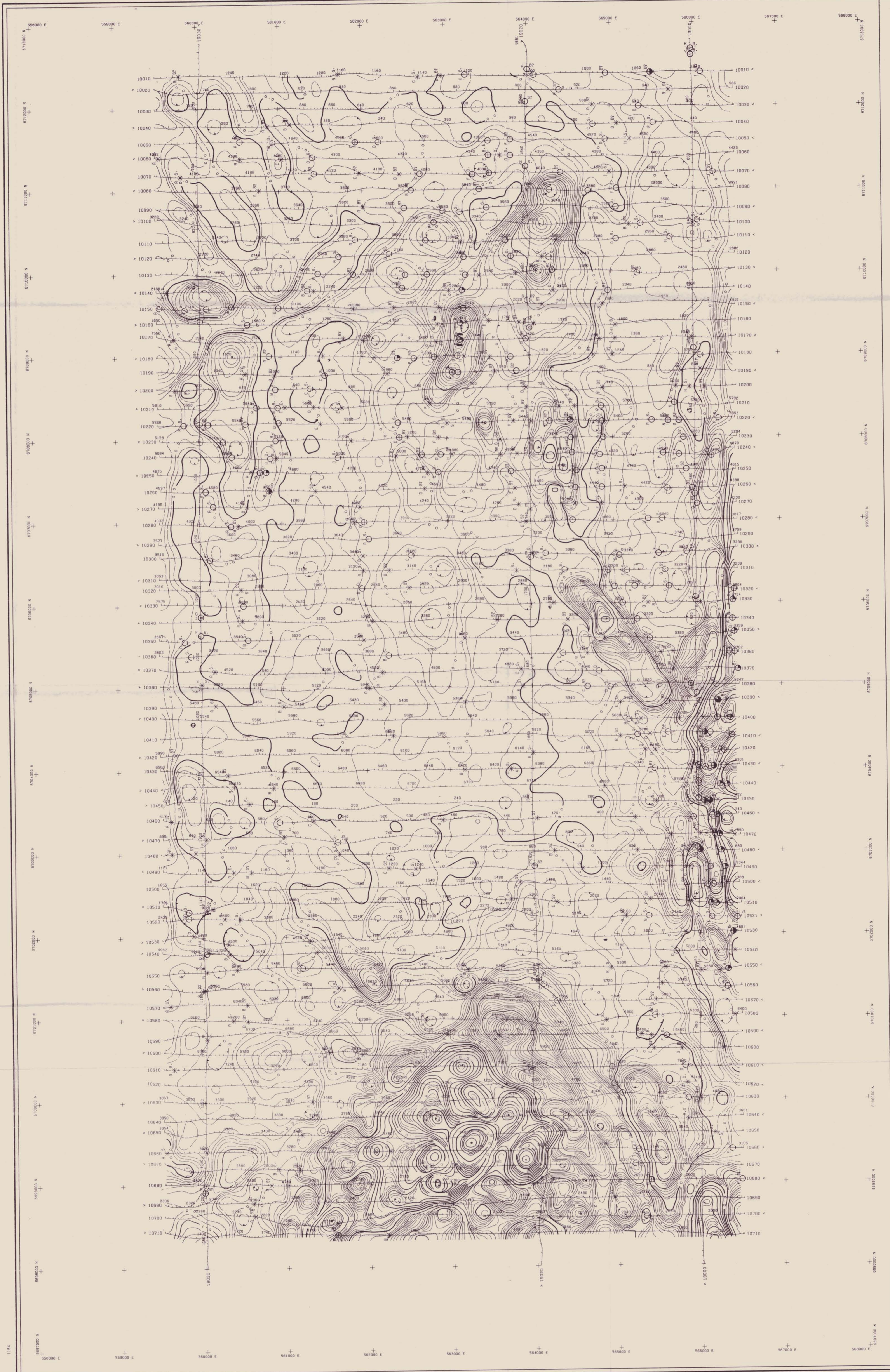
**WESTMIN RESOURCES LIMITED**  
 QUARTZ LAKE AREA, YUKON

**ELECTROMAGNETIC ANOMALIES**  
**093308**

DIGHEM SURVEY	NTS: 950/5,12	GEOPHYSICIST: [Signature]
DATE: JUNE 1994	JOB: 1184	SHEET: 1

DIGHEM, A division of CCG Canada Ltd.





**TECHNICAL SUMMARY**

Navigation: Serial real time differential GPS positioning  
 Data reduction grid interval: 50 metres  
 Terrain clearance: Helicopter/Spectrometer 60 m  
 Electromagnetic sensor: 30 m  
 Magnetometer: VLF receiver 40 m  
 Data sampling interval: 0.1 second  
 Magnetometer sensitivity: Scintrex cesium / 0.01 nT  
 VLF receiver sensitivity: Herz 2A / 1%  
 Electromagnetic system: DIGEM<sup>+</sup>  
 Spectrometer: GAD4



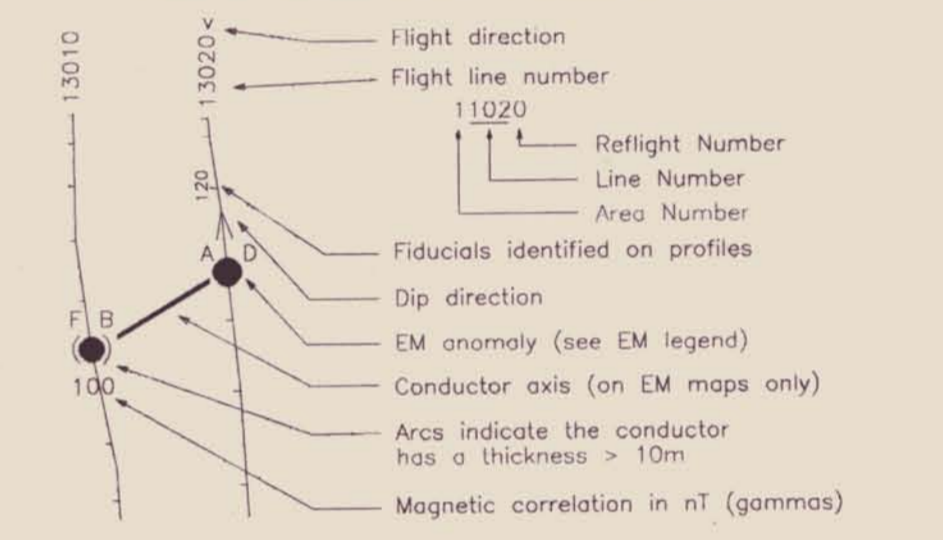
Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7000 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	1.0 ppm	Horizontal coplanar

**ELECTROMAGNETIC ANOMALIES**

Grade	Anomaly	Conductance
7	●	>100 siemens
6	●	50-100 siemens
5	●	20-50 siemens
4	●	10-20 siemens
3	○	5-10 siemens
2	○	1-5 siemens
1	○	< 1 siemens
-	*	Questionable anomaly

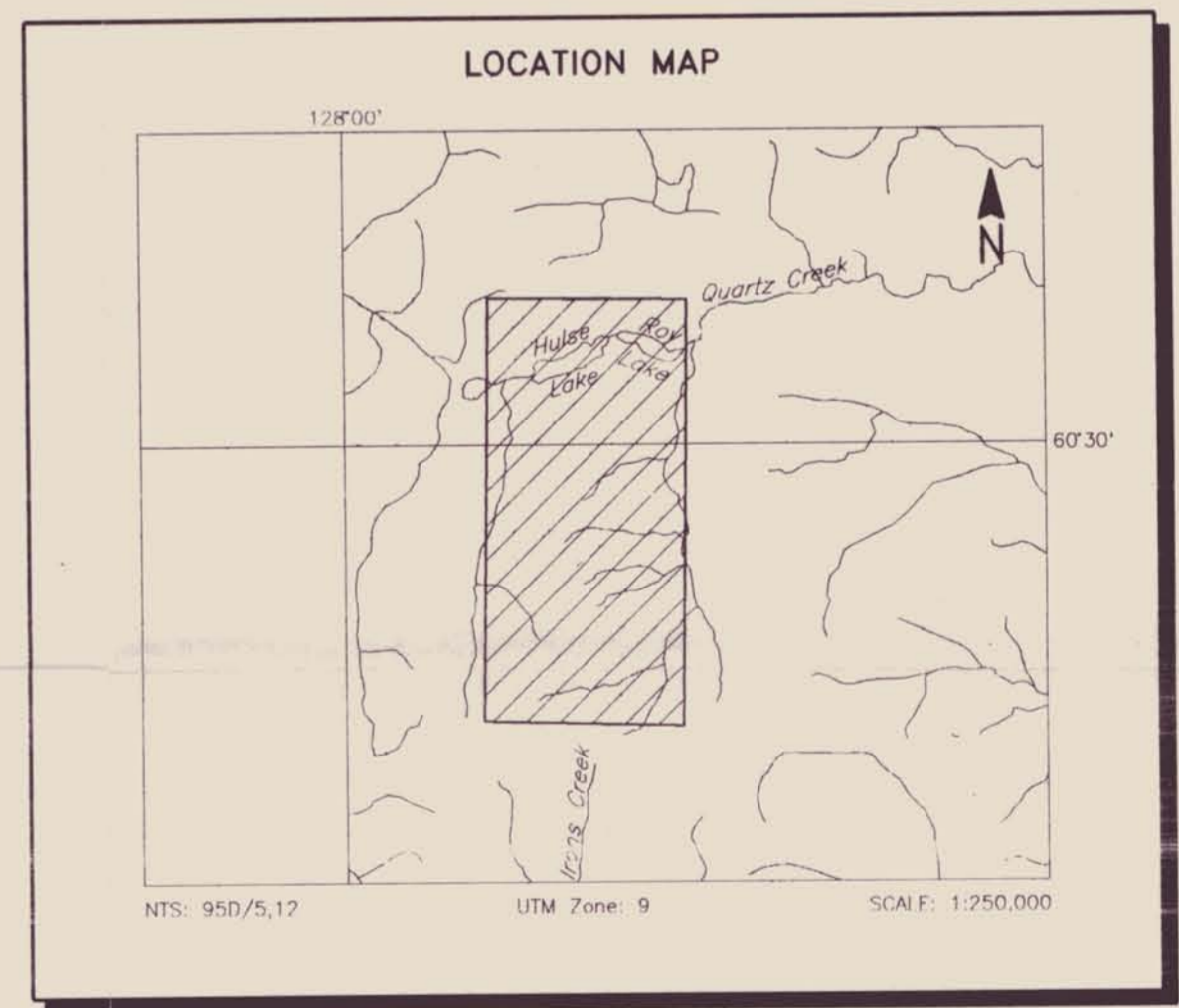
Anomaly Identifier	Interpretive symbol	Conductor ("modef")
B	—	Bedrock conductor
D	—	Narrow bedrock conductor ("thin dike")
S	—	Conductive cover ("horizontal thin sheet")
H	—	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	—	Edge of broad conductor ("edge of half space")
L	—	Culture, e.g. power line, metal building or fence

**FLIGHT LINES WITH EM ANOMALIES**



**CALCULATED VERTICAL GRADIENT CONTOURS**

—	1.00 nT/metre
—	0.10 nT/metre
—	0.02 nT/metre
—	0.01 nT/metre



**0933.08**

**WESTMIN RESOURCES LIMITED**  
**QUARTZ LAKE AREA, YUKON**

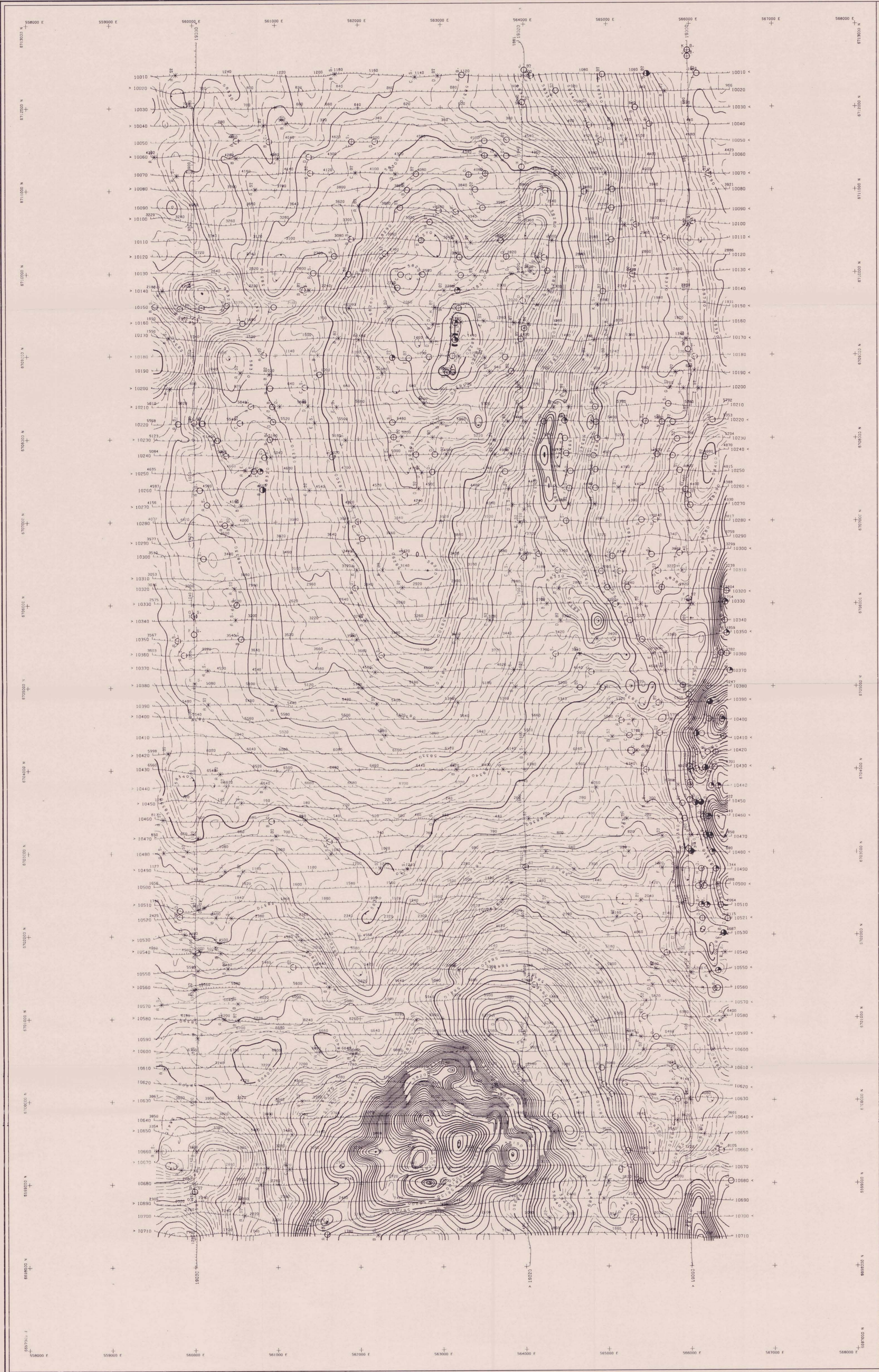
**CALCULATED VERTICAL GRADIENT MAGNETICS**

DIGEM SURVEY	NTS: 950/5,12	GEOPHYSICIST: [Signature]
DATE: JUNE 1994	JOB: 1194	SHEET: 1
DIGEM, A division of CGG Canada Ltd.		



**DIGEM**  
 Quality and Service in Airborne Geophysics

Dwg 15



**TECHNICAL SUMMARY**

Navigation: Serial real time differential GPS positioning  
 Data reduction grid interval: 50 metres  
 Helicopter/Spectrometer 60 m  
 Terrain clearance: Electromagnetic sensor 30 m  
 Magnetometer, VLF receiver 40 m  
 Data sampling interval: 0.1 second  
 Magnetometer / sensitivity: Scintrex casium / 0.01 nT  
 VLF receiver / sensitivity: Herz 2A / 1%  
 Electromagnetic system: DIGHEM  
 Spectrometer: LA14

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
4500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
95600 Hz	1.0 ppm	Horizontal coplanar



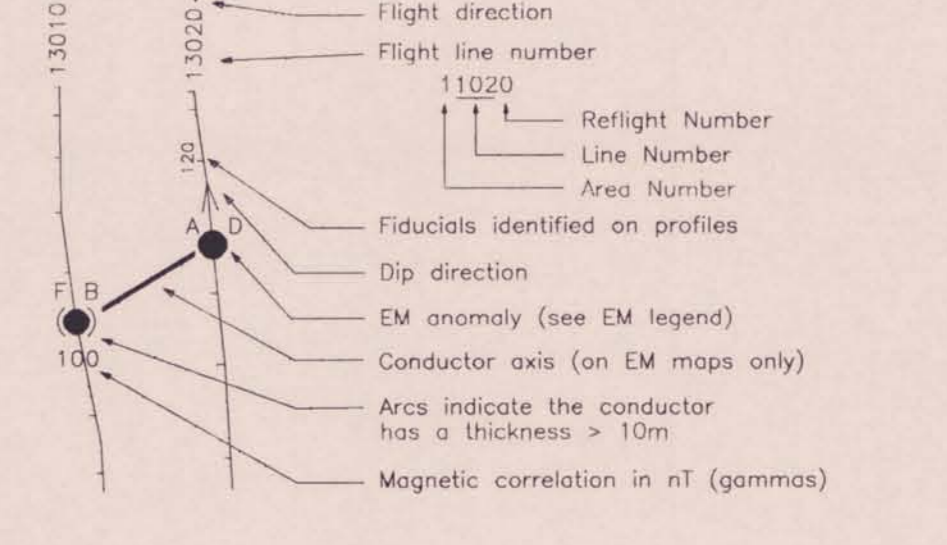
**ELECTROMAGNETIC ANOMALIES**

Grade	Anomaly	Conductance
7	●	>100 siemens
6	●	50-100 siemens
5	●	20-50 siemens
4	●	10-20 siemens
3	●	5-10 siemens
2	●	1-5 siemens
1	●	< 1 siemens
-	*	Questionable anomaly

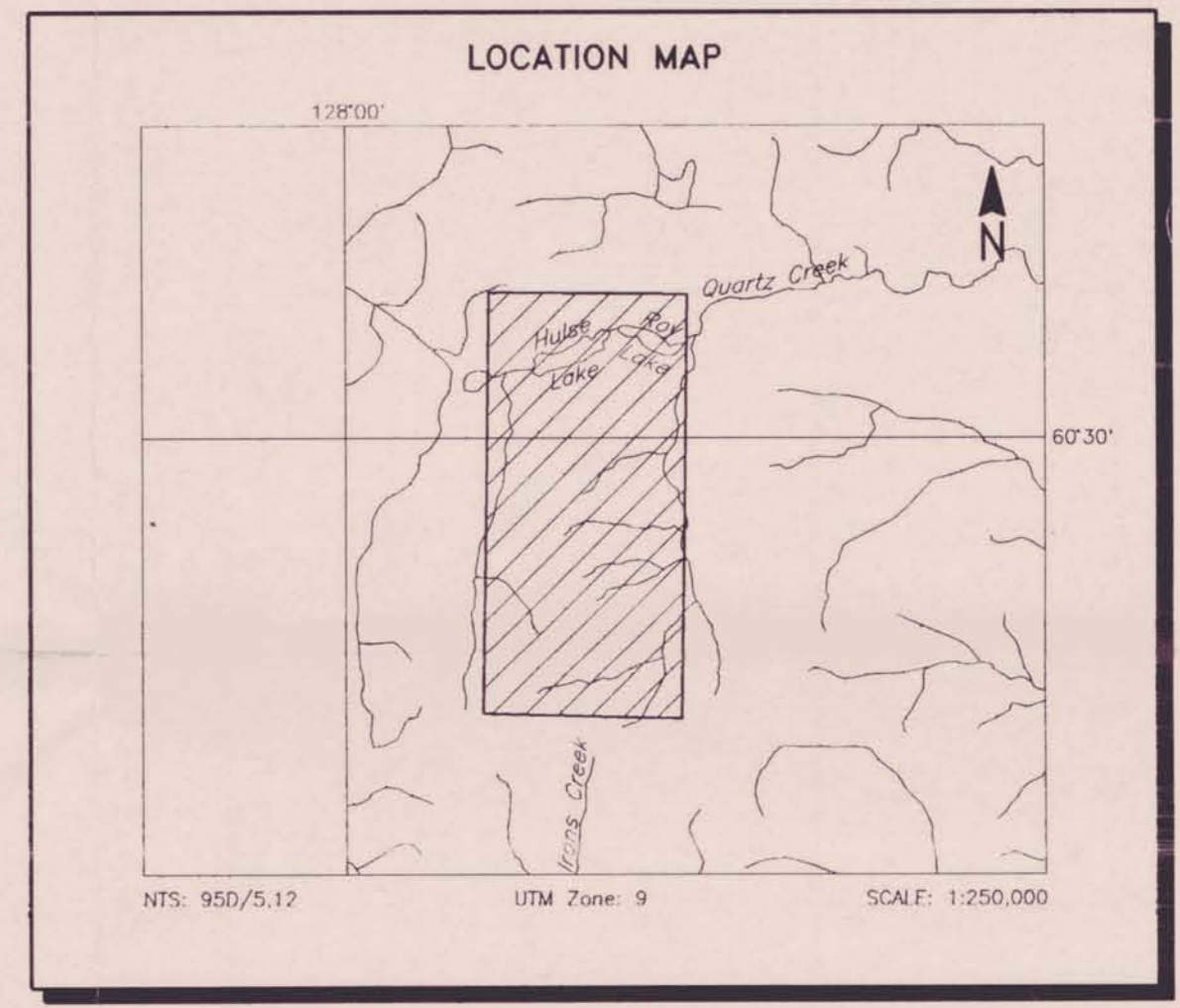
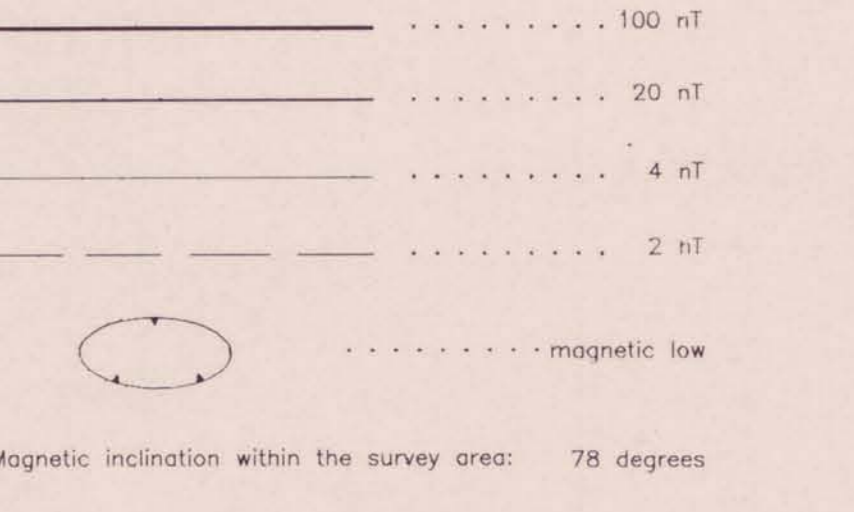
Interpretive symbol	Conductor ("model")
B	Bedrock conductor
D	Narrow bedrock conductor ("thin sheet")
S	Conductive cover ("horizontal thin sheet")
H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence

Depth is greater than:  
 15 m  
 30 m  
 45 m  
 60 m

**FLIGHT LINES WITH EM ANOMALIES**



**TOTAL FIELD MAGNETIC CONTOURS**

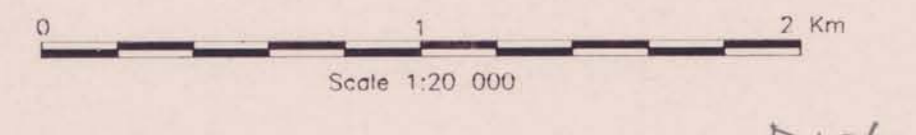


**093308**

**WESTMIN RESOURCES LIMITED**  
**QUARTZ LAKE AREA, YUKON**

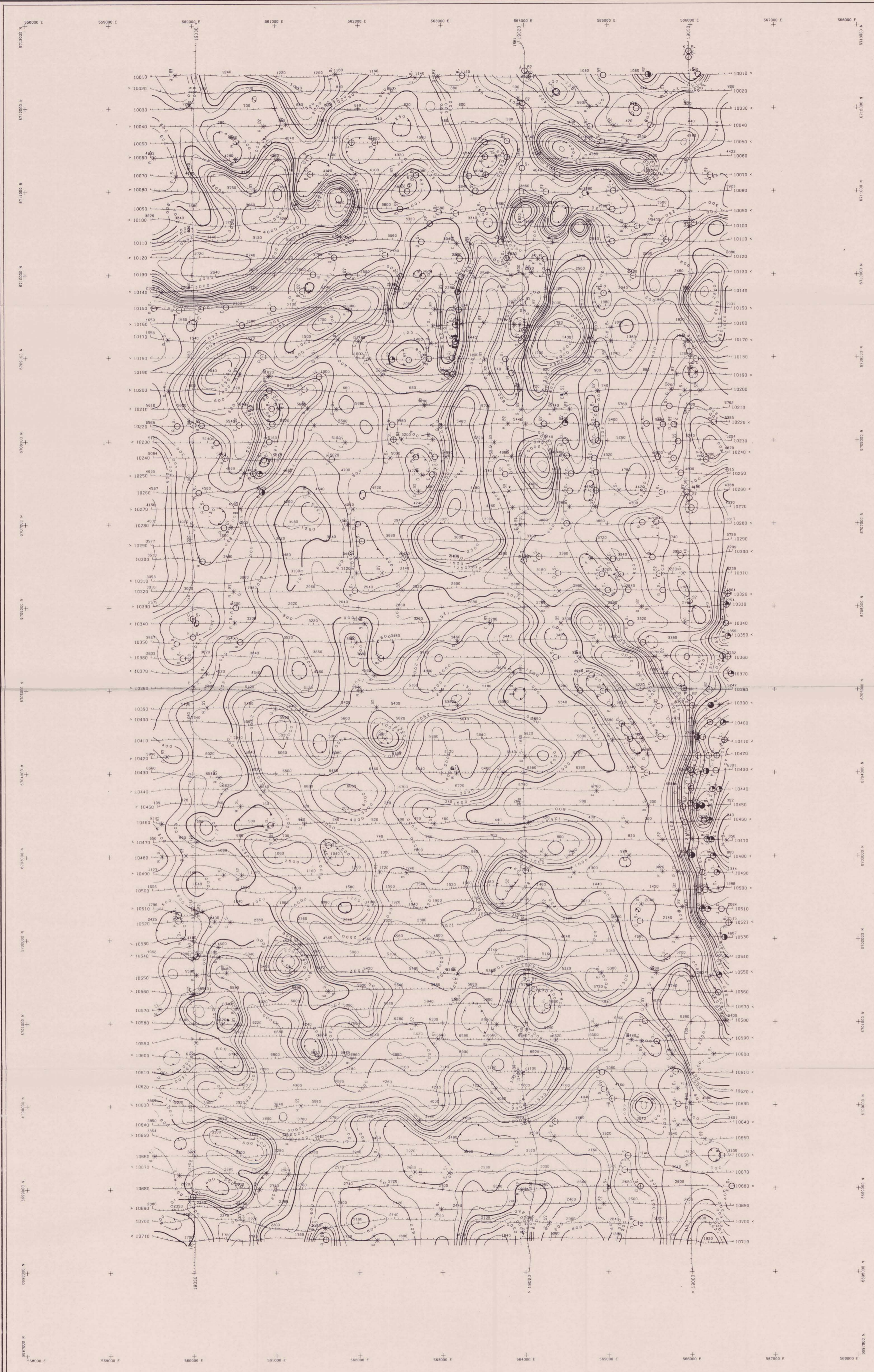
**TOTAL FIELD MAGNETICS**

DIGHEM SURVEY	NTS: 950/512	GEOPHYSICIST: [Signature]
DATE: JUNE 1994	JOB: 1184	SHEET: 1
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 Quality and Service In Airborne Geophysics

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**TECHNICAL SUMMARY**

Navigation . . . . . SerCEL real time differential GPS positioning  
 Data reduction grid interval . . . . . 50 metres  
 Terrain clearance . . . . . Helicopter/Spectrometer 60 m  
 Electromagnetic sensor 30 m  
 Magnetometer VLF receiver 40 m  
 Data sampling interval . . . . . 0.1 second  
 Magnetometer / sensitivity . . . . . Scintrex cesium / 0.01 nT  
 VLF receiver / sensitivity . . . . . Herz 2A / 1%  
 Electromagnetic system . . . . . DIGHEM<sup>®</sup>  
 Spectrometer . . . . . CAD4

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	1.0 ppm	Horizontal coplanar



**ELECTROMAGNETIC ANOMALIES**

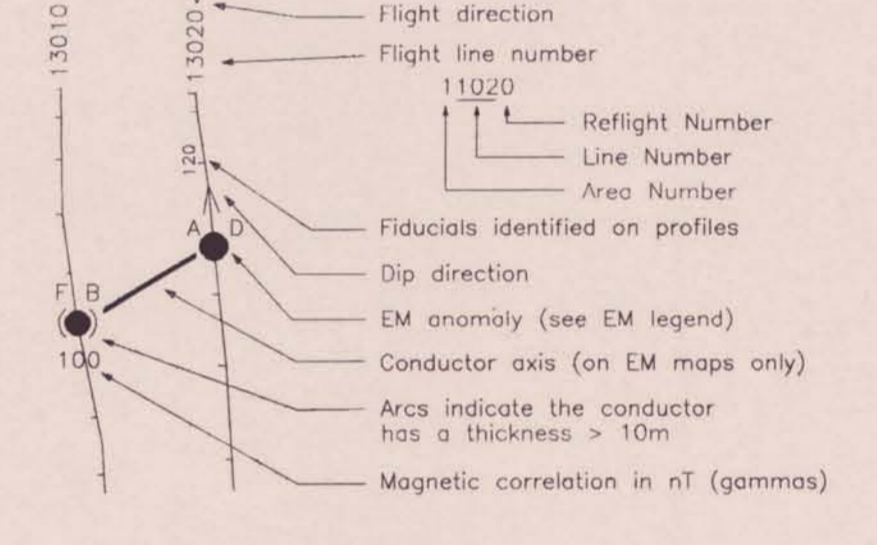
Grade	Anomaly	Conductance
7	●	>100 siemens
6	●	50-100 siemens
5	●	20-50 siemens
4	●	10-20 siemens
3	○	5-10 siemens
2	○	1-5 siemens
1	○	< 1 siemens
-	*	Questionable anomaly

**Interpretive symbol**  
 B Bedrock conductor  
 D Narrow bedrock conductor ("thin sheet")  
 S Conductive cover ("horizontal thin sheet")  
 H Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")  
 E Edge of broad conductor ("edge of half space")  
 L Culture, e.g. power line, metal building or fence

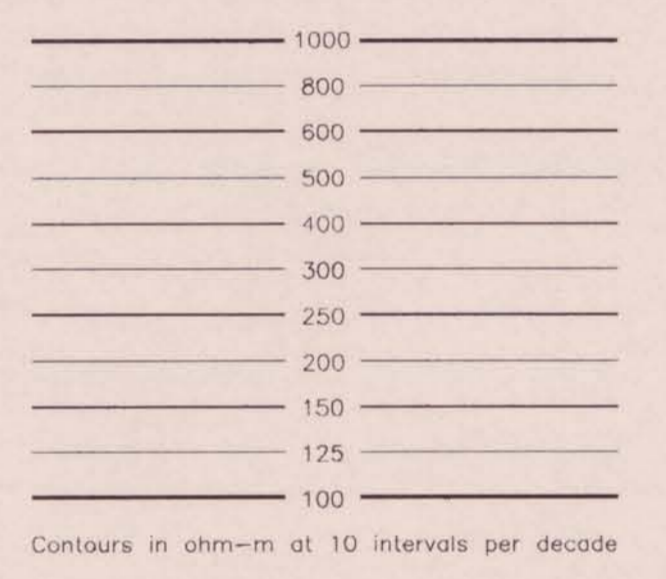
**Conductor ("mode")**  
 Depth is greater than:  
 - 15 m  
 - 30 m  
 - 45 m  
 - 60 m

**Interpretive symbol**  
 Inphase and Quadrature of coaxial coil is greater than:  
 - 5 ppm  
 - 10 ppm  
 - 15 ppm  
 - 20 ppm

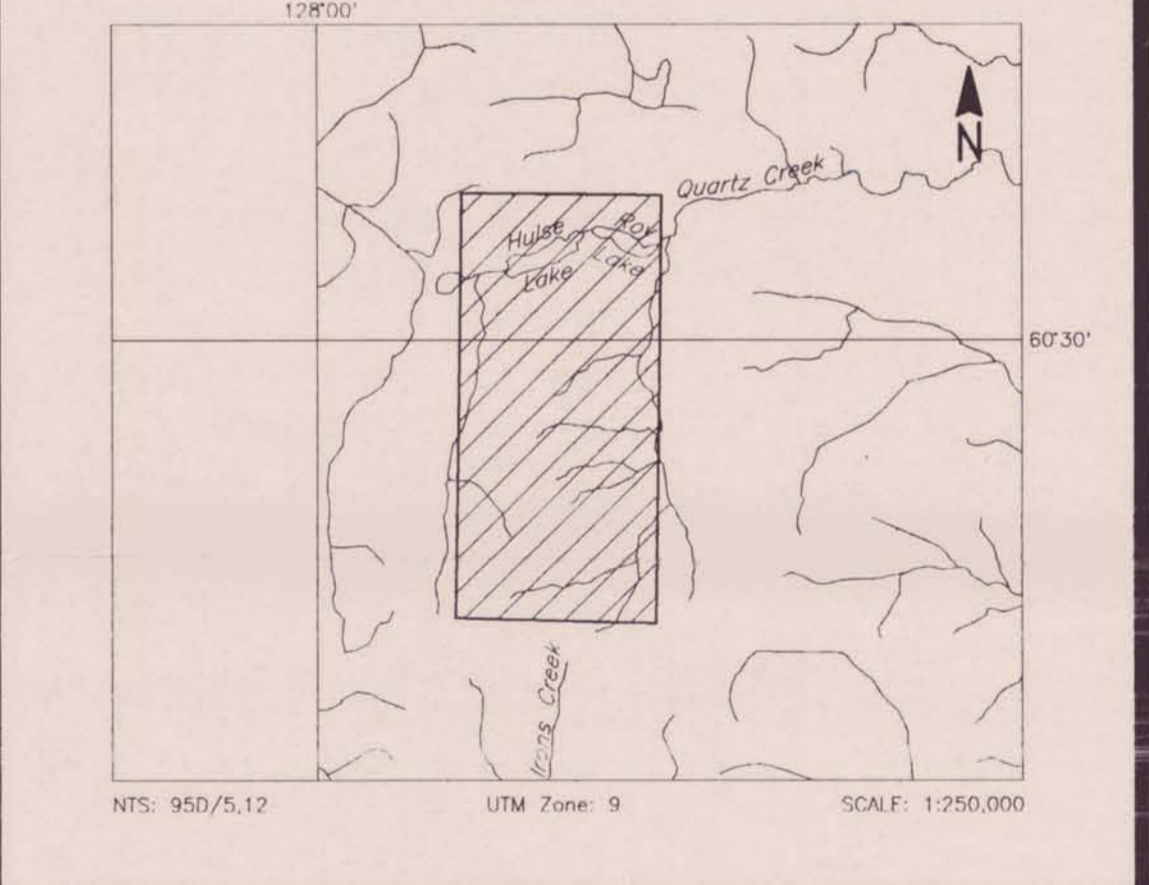
**FLIGHT LINES WITH EM ANOMALIES**



**RESISTIVITY CONTOURS**



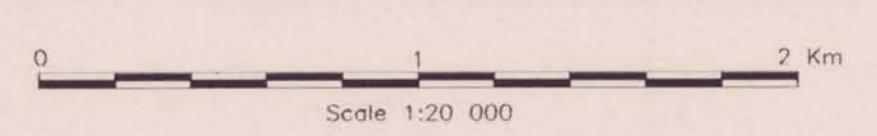
**LOCATION MAP**



**WESTMIN RESOURCES LIMITED**  
 QUARTZ LAKE AREA, YUKON

**RESISTIVITY**  
**7200 Hz COPLANAR**

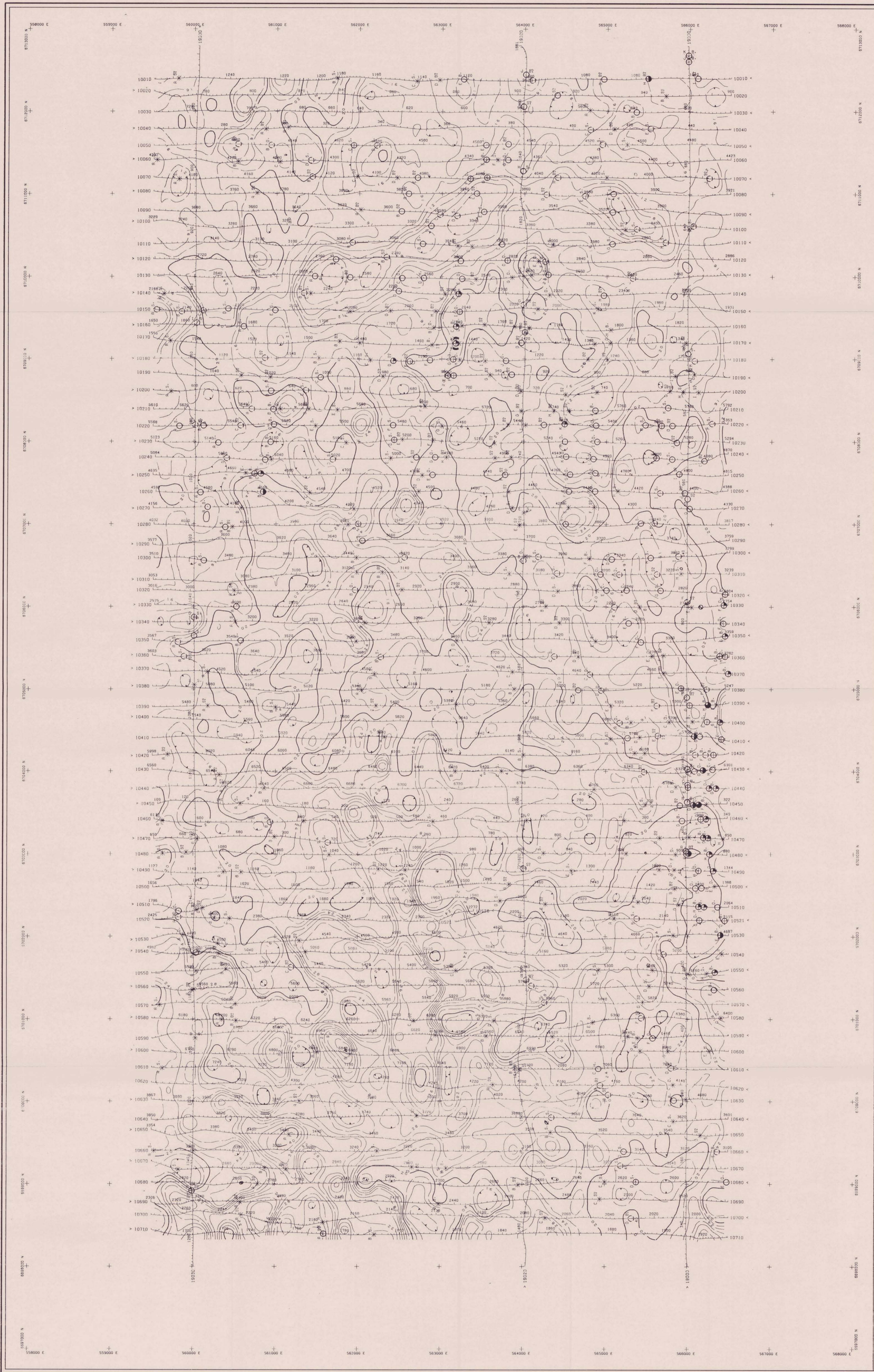
DIGHEM<sup>®</sup> SURVEY NTS: 950/5,12 GEOPHYSICIST: [Signature]  
 DATE: JUNE 1994 JOB: 1184 SHEET: 1  
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0933 08

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**TECHNICAL SUMMARY**

Navigation : Serial real time differential GPS positioning  
 Data reduction grid interval : 50 metres  
 Terrain clearance : Helicopter/Spectrometer 60 m  
 Electromagnetic sensor 30 m  
 Magnetometer VLF receiver 40 m

Data sampling interval : 0.1 second  
 Magnetometer / sensitivity : Scintex cesium / 0.01 nT  
 VLF receiver / sensitivity : Herz 2A / 1%  
 Electromagnetic system : DIGHEM<sup>®</sup>  
 Spectrometer : G44

Frequency	Sensitivity	Coil Orientation
800 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
800 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	1.0 ppm	Horizontal coplanar



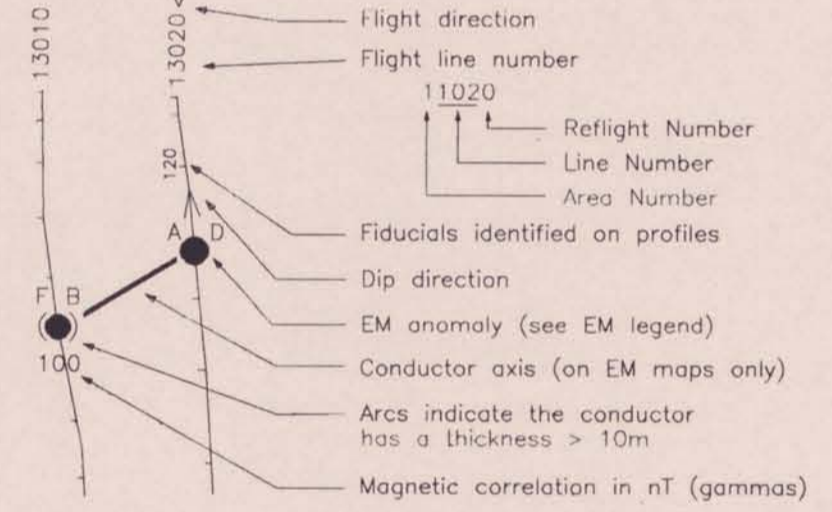
**ELECTROMAGNETIC ANOMALIES**

Grade	Anomaly	Conductance
7	●	>100 siemens
6	●	50-100 siemens
5	●	20-50 siemens
4	●	10-20 siemens
3	●	5-10 siemens
2	●	1-5 siemens
1	●	< 1 siemens
-	*	Questionable anomaly

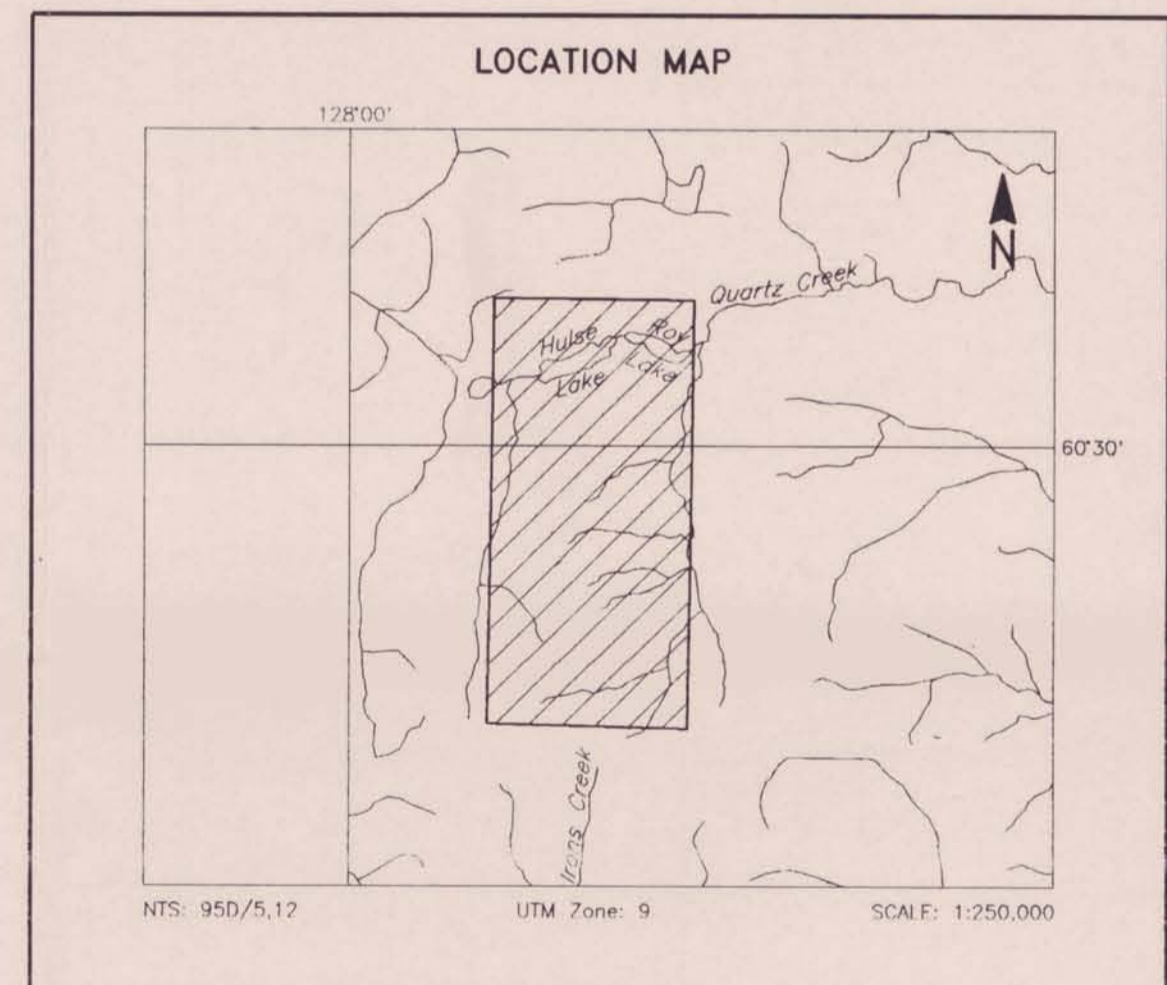
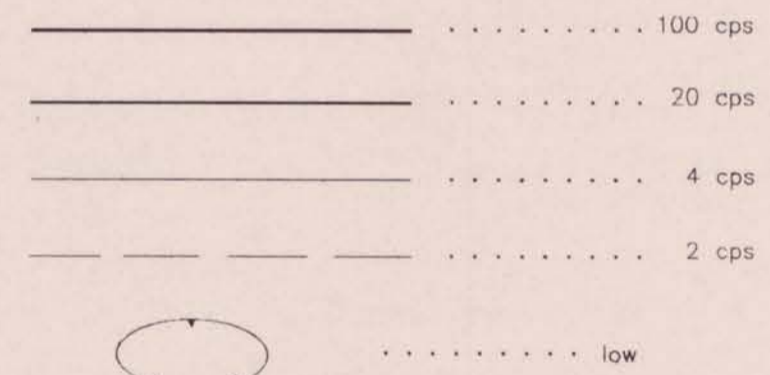
Anomaly Identifier	Interpretive symbol	Conductor ("modified")
●	B	Bedrock conductor
○	D	Narrow bedrock conductor ("thin dike")
○	S	Conductive cover ("horizontal thin sheet")
○	H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
○	E	Edge of broad conductor ("edge of half space")
○	L	Culture, e.g. power line, metal building or fence

Depth is greater than:  
 15 m  
 30 m  
 45 m  
 60 m

**FLIGHT LINES WITH EM ANOMALIES**



**CONTOUR INTERVALS**

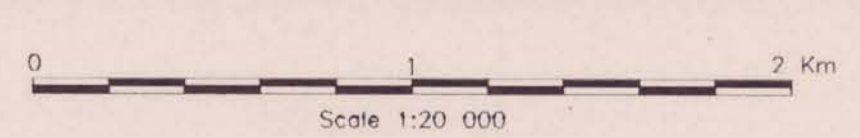


**WESTMIN RESOURCES LIMITED**  
 QUARTZ LAKE AREA, YUKON

**RADIOMETRICS 093308**  
**POTASSIUM COUNTS**

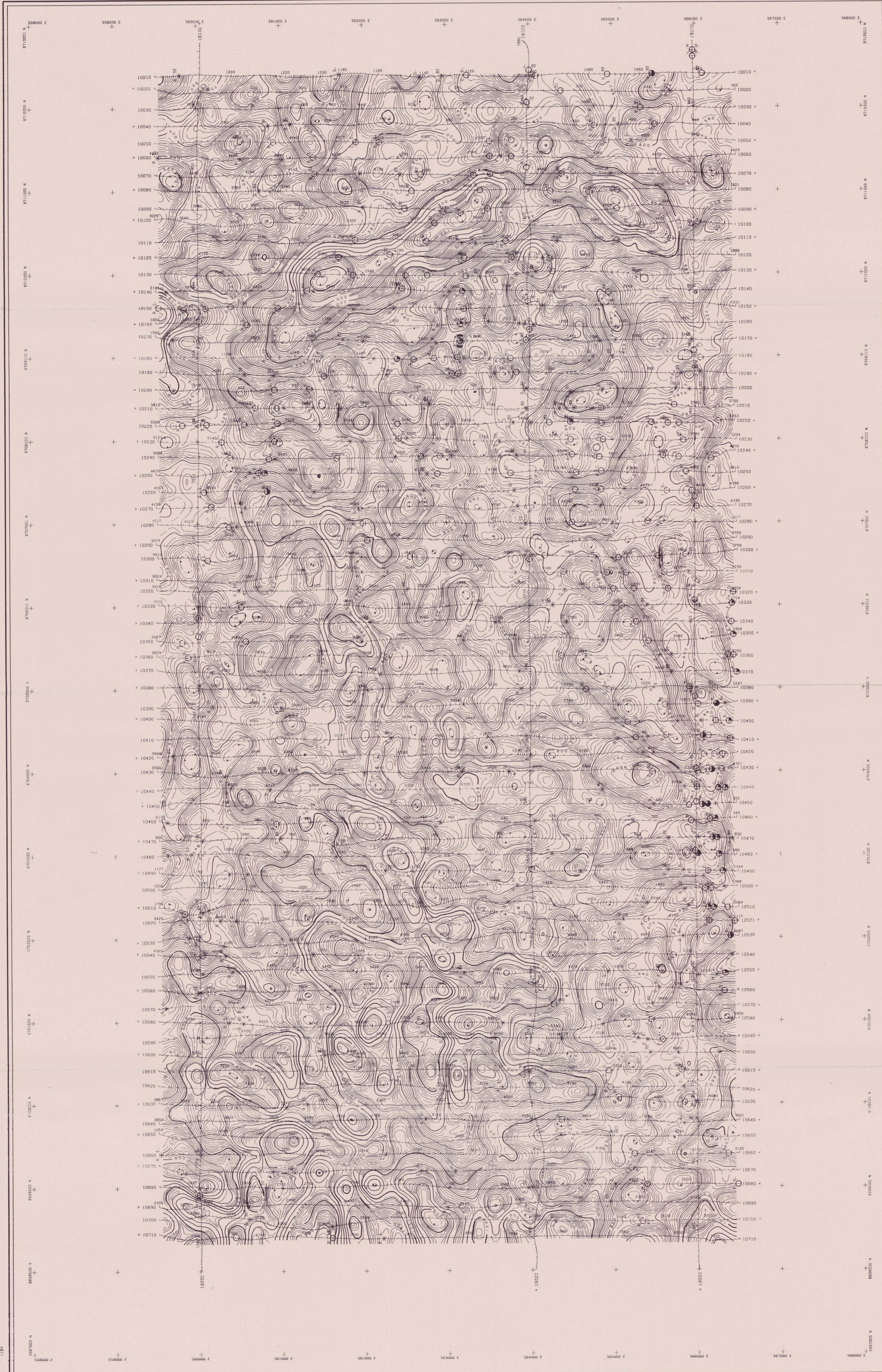
DIGHEM SURVEY	NTS: 950/5,12	GEOPHYSICIST: [Signature]
DATE: JUNE 1994	JOB: 1184	SHEET: 1

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 Quality and Service in Airborne Geophysics

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**TECHNICAL SUMMARY**

Navigation . . . . . Serial real time differential GPS positioning  
 Data reduction grid interval . . . . . 50 metres  
 Terrain clearance . . . . . Helicopter/Spectrometer 60 m  
 . . . . . Electromagnetic sensor 30 m  
 . . . . . Magnetometer, VLF receiver 40 m  
 Data sampling interval . . . . . 0.1 second  
 Magnetometer / sensitivity . . . . . Scintrex cesium / 0.01 nT  
 VLF receiver / sensitivity . . . . . Herz 2A / 1%  
 Electromagnetic system . . . . . DIGHEM<sup>®</sup>  
 Spectrometer . . . . . CAD4



Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
4500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	1.0 ppm	Horizontal coplanar

**ELECTROMAGNETIC ANOMALIES**

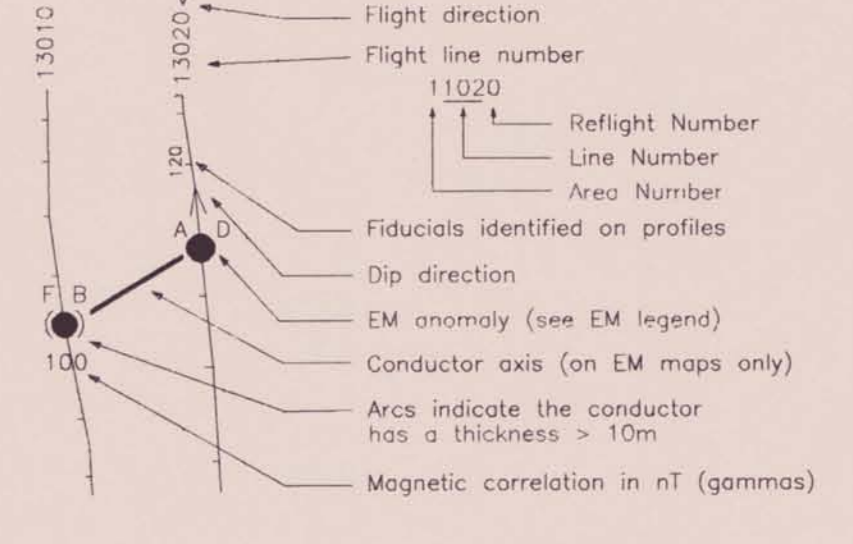
Grade	Anomaly	Conductance
7	●	>100 siemens
6	●	50-100 siemens
5	●	20-50 siemens
4	●	10-20 siemens
3	○	5-10 siemens
2	○	1-5 siemens
1	○	< 1 siemens
-	*	Questionable anomaly

Interpretive symbol	Conductor ("model")
B	Bedrock conductor ("thin disk")
D	Narrow bedrock conductor ("thin disk")
S	Conductive cover ("horizontal thin sheet")
H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Conductor, e.g. power line, metal building or fence

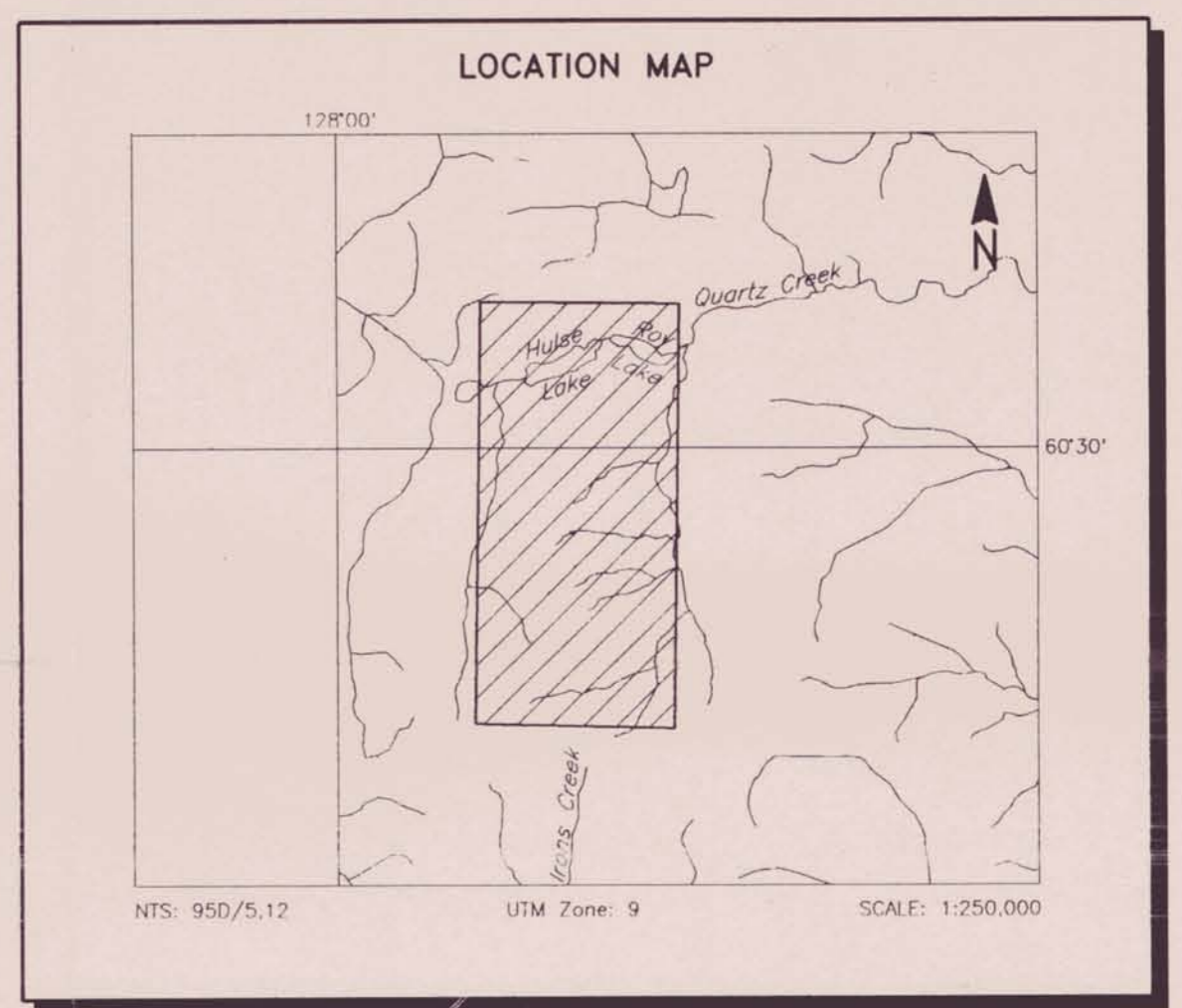
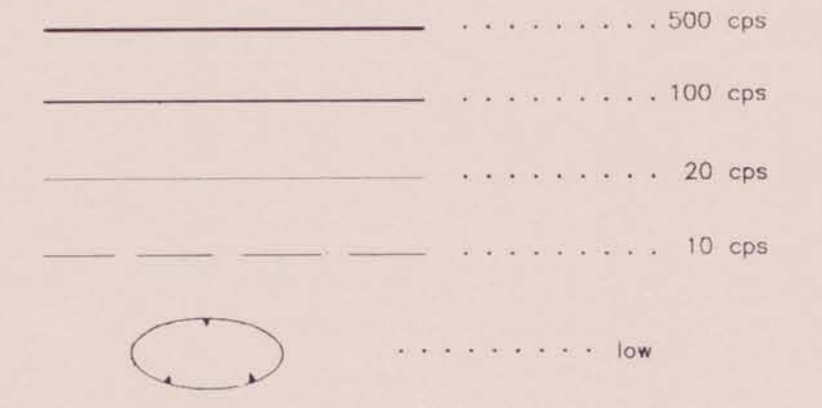
Depth is greater than:  
 15 m  
 30 m  
 45 m  
 60 m

Inphase and Quadrature of coil coil is greater than:  
 5 ppm  
 10 ppm  
 15 ppm  
 20 ppm

**FLIGHT LINES WITH EM ANOMALIES**



**CONTOUR INTERVALS**



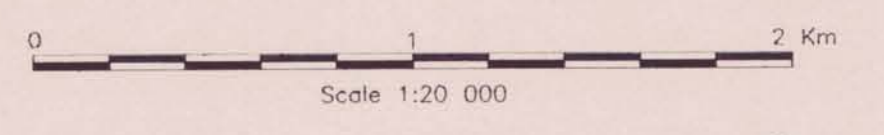
**WESTMIN RESOURCES LIMITED**  
 QUARTZ LAKE AREA, YUKON

**RADIOMETRICS 093308**  
**TOTAL COUNT**

DIGHEM<sup>®</sup> SURVEY NTS: 950/5,12 GEOPHYSICIST: /s/

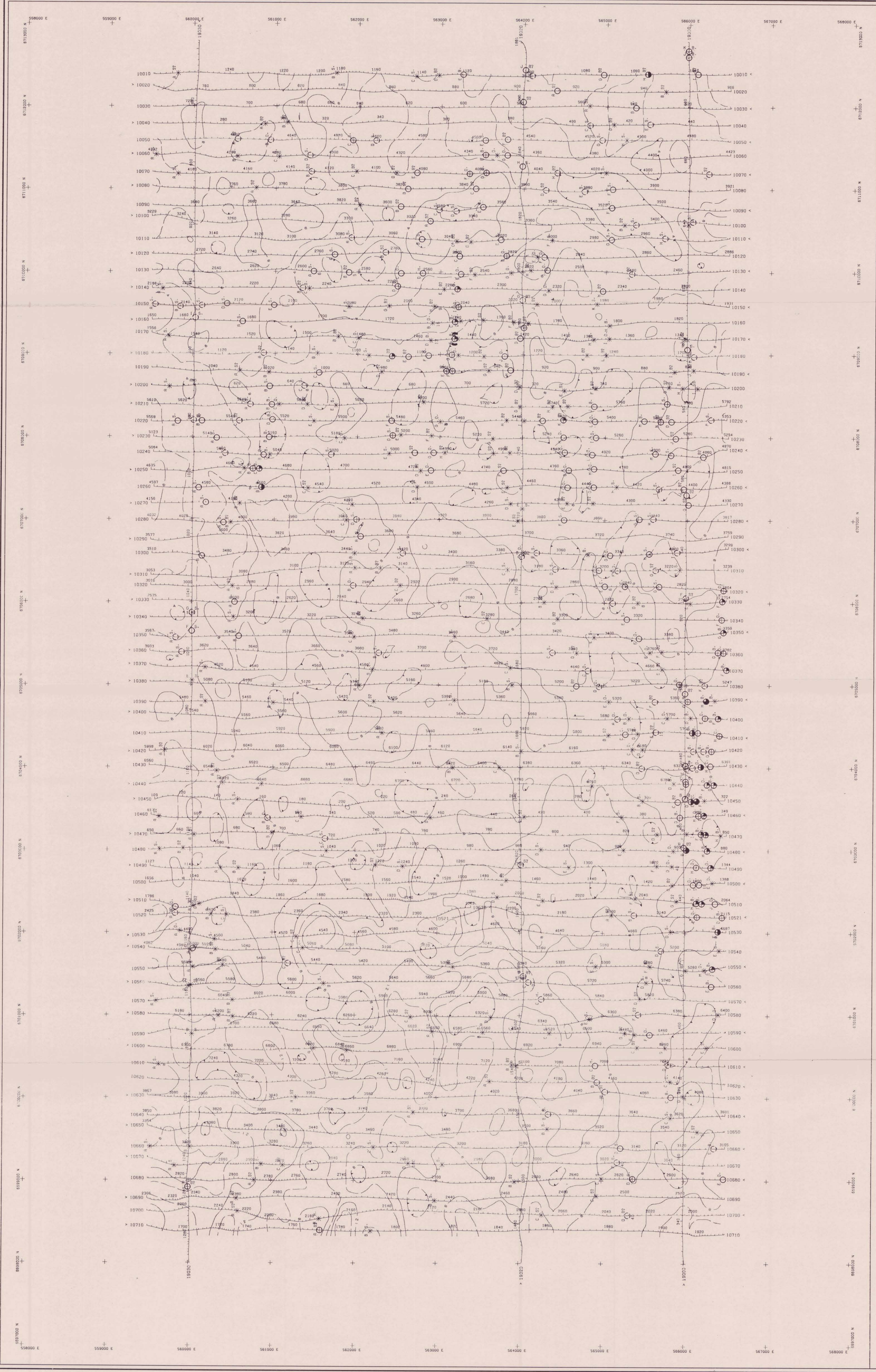
DATE: JUNE 1994 JOB: 1184 SHEET: 1

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 Quality and Service in Airborne Geophysics

DWG 19



**TECHNICAL SUMMARY**

Navigation . . . . . Serial real time differential GPS positioning  
 Data reduction grid interval . . . . . 50 metres  
 Terrain clearance . . . . . Helicopter/Spectrometer 50 m  
 . . . . . Electromagnetic sensor 30 m  
 . . . . . Magnetometer, VLF receiver 40 m  
 Data sampling interval . . . . . 0.1 second  
 Magnetometer / sensitivity . . . . . Scintrex cesium / 0.01 nT  
 VLF receiver / sensitivity . . . . . Herz 2A / 1%  
 Electromagnetic system . . . . . DIGHEM\*  
 Spectrometer . . . . . CAD4

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	1.0 ppm	Horizontal coplanar



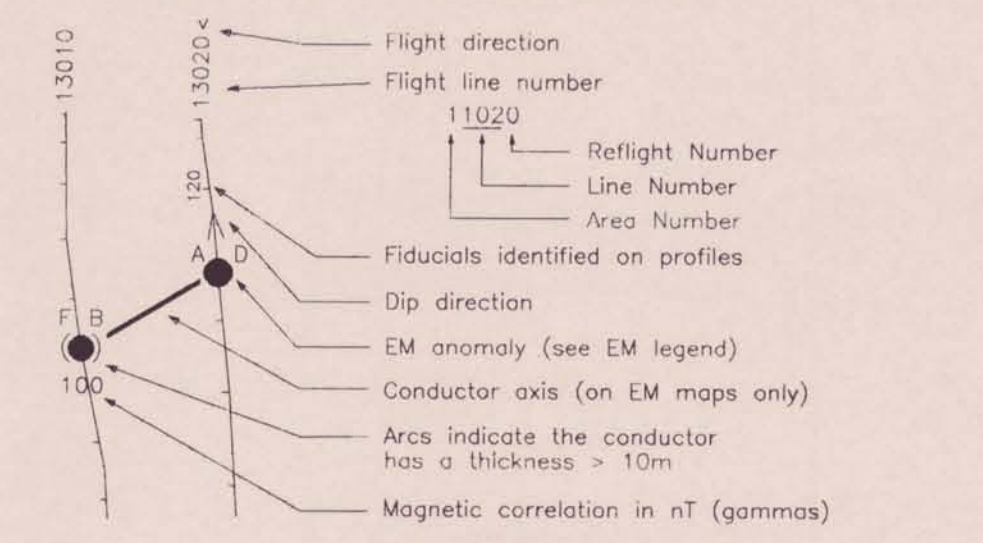
**ELECTROMAGNETIC ANOMALIES**

Grade	Anomaly	Conductance	Interpretive symbol	Conductor ("mode")
7	●	>100 siemens	B	Bedrock conductor
6	●	50-100 siemens	D	Narrow bedrock conductor ("thin dike")
5	●	20-50 siemens	S	Conductive cover ("horizontal thin sheet")
4	●	10-20 siemens	H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
3	●	5-10 siemens	E	Edge of broad conductor ("edge of half space")
2	●	1-5 siemens	L	Culture, e.g. power line, metal building or fence
1	●	< 1 siemens		
-	*	Questionable anomaly		

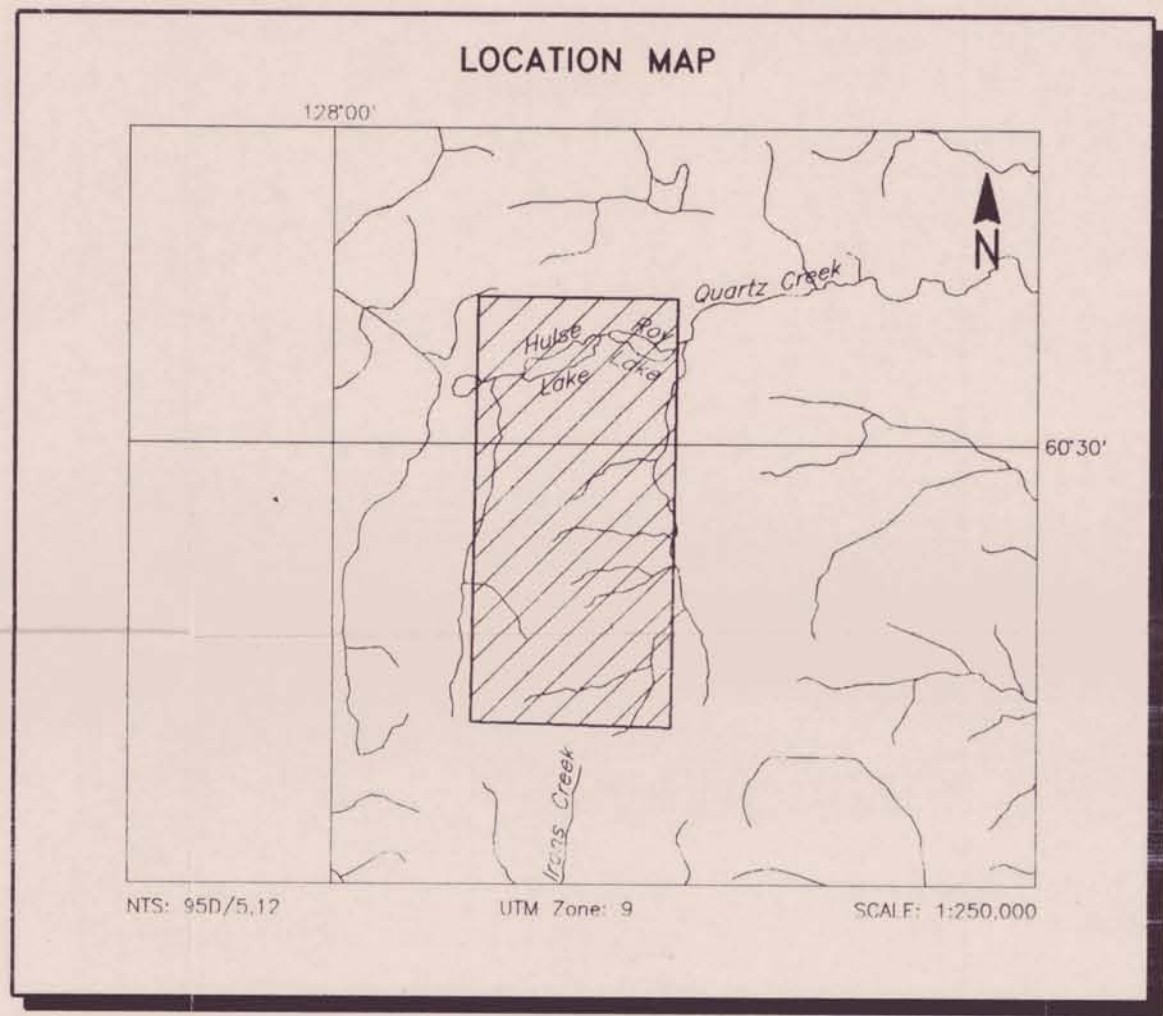
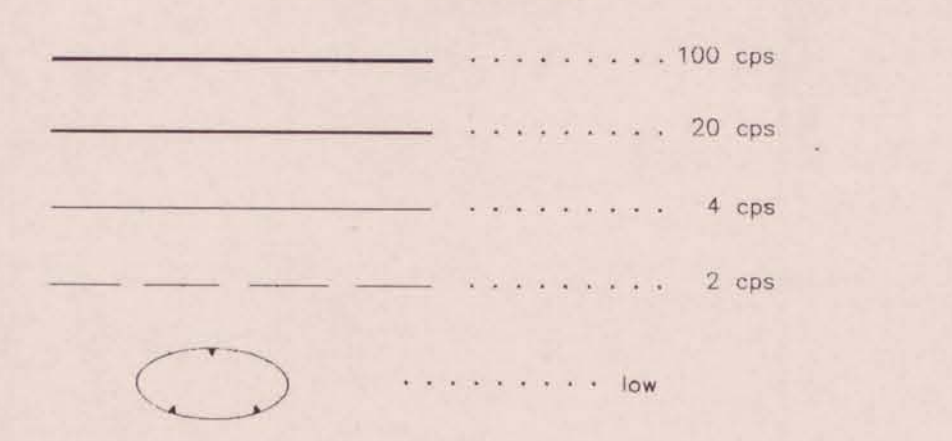
Depth is greater than:  
 15 m  
 30 m  
 45 m  
 60 m

Inphase and Quadrature of coaxial coil is greater than:  
 5 ppm  
 10 ppm  
 15 ppm  
 20 ppm

**FLIGHT LINES WITH EM ANOMALIES**



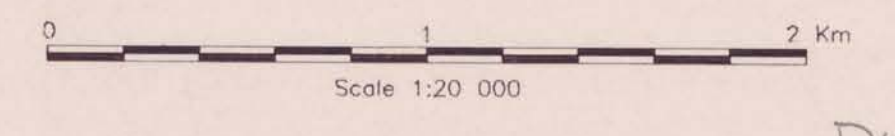
**CONTOUR INTERVALS**



**WESTMIN RESOURCES LIMITED**  
**QUARTZ LAKE AREA, YUKON**

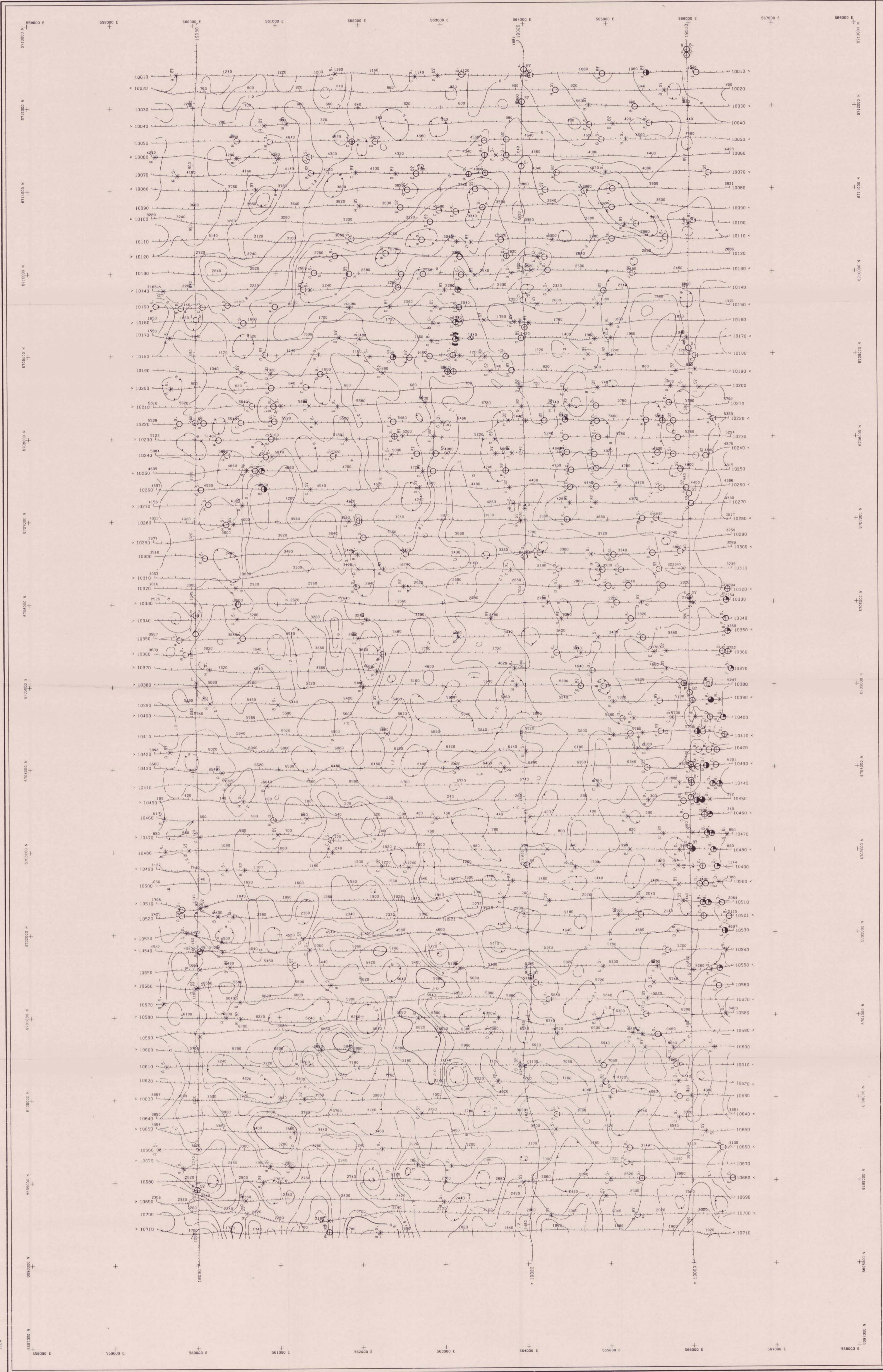
**RADIOMETRICS 093308**  
**THORIUM COUNTS**

DIGHEM\* SURVEY NTS: 95D/5,12 GEOPHYSICIST: \_\_\_\_\_  
 DATE: JUNE 1994 JOB: 1184 SHEET: 1  
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 Quality and Service in Airborne Geophysics

DWG 20



**TECHNICAL SUMMARY**

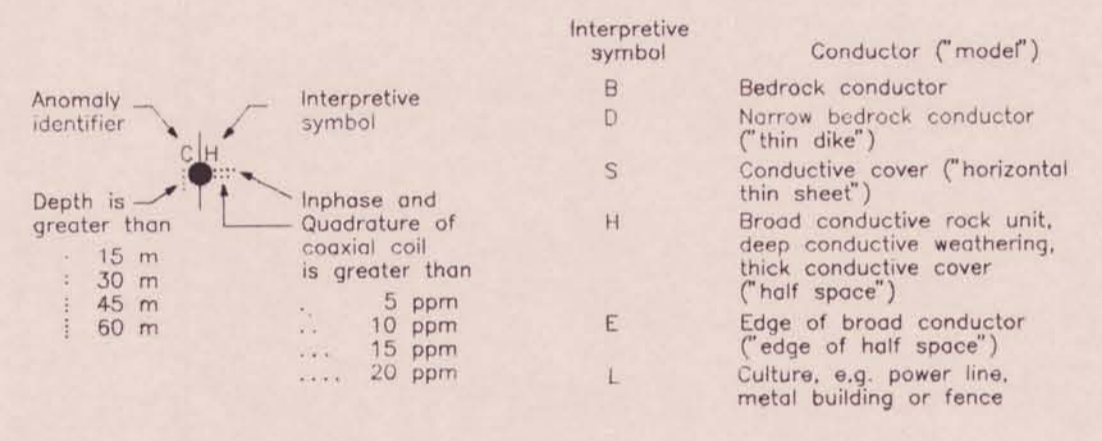
Navigation . . . . . Serial real time differential GPS positioning  
 Data reduction grid interval . . . . . 50 metres  
 Terrain clearance . . . . . Helicopter/Spectrometer 60 m  
 Electromagnetic sensor 30 m  
 Magnetometer VLF receiver 40 m  
 Data sampling interval . . . . . 0.1 second  
 Magnetometer / sensitivity . . . . . Scintrex cesium / 0.01 nT  
 VLF receiver / sensitivity . . . . . Herz 20 / 1%  
 Electromagnetic system . . . . . DIGHEM  
 Spectrometer . . . . . GAD4

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	1.0 ppm	Horizontal coplanar

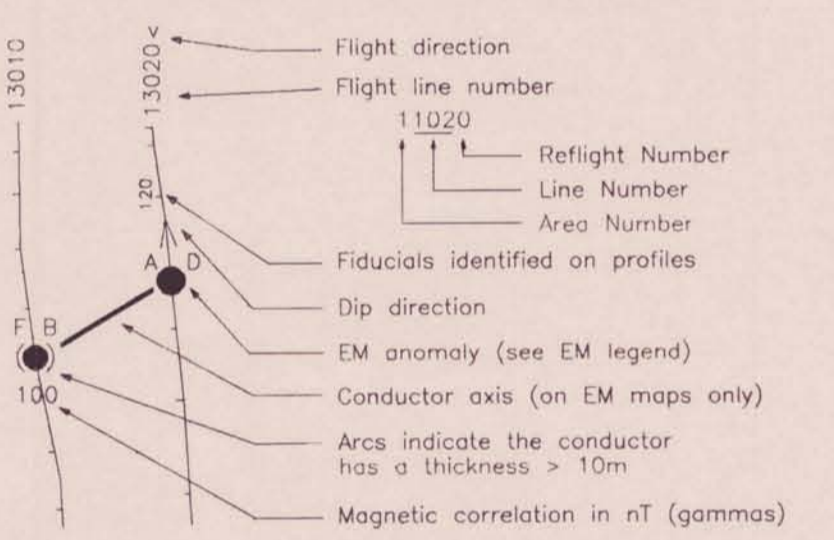


**ELECTROMAGNETIC ANOMALIES**

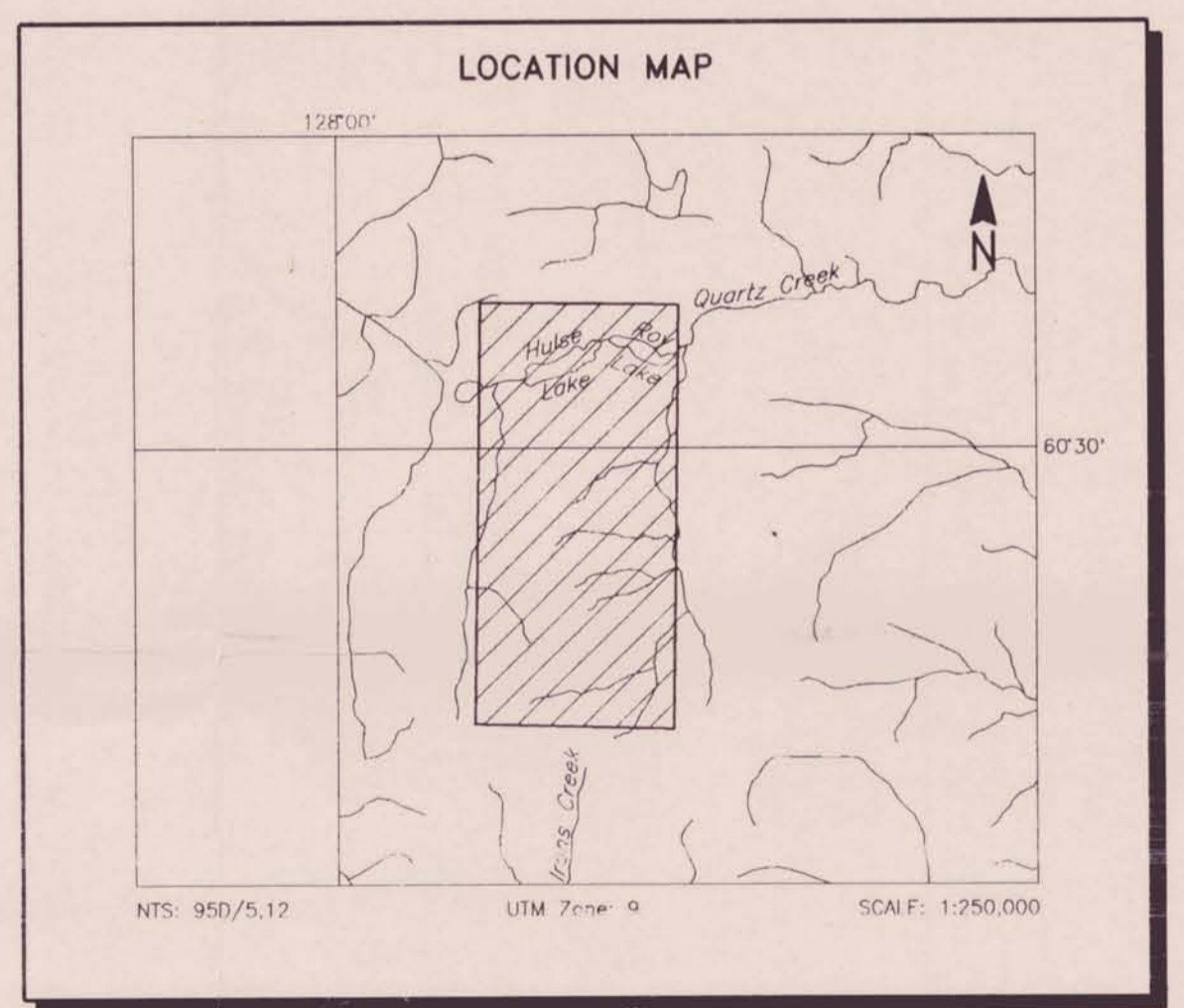
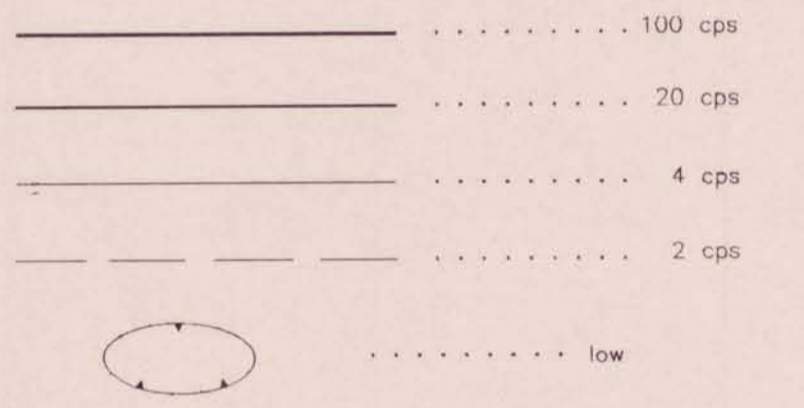
Grade	Anomaly	Conductance
7	●	>100 siemens
6	●	50-100 siemens
5	●	20-50 siemens
4	●	10-20 siemens
3	○	5-10 siemens
2	○	1-5 siemens
1	○	< 1 siemens
-	*	Questionable anomaly



**FLIGHT LINES WITH EM ANOMALIES**



**CONTOUR INTERVALS**



**WESTMIN RESOURCES LIMITED**  
**QUARTZ LAKE AREA, YUKON**

**RADIOMETRICS 093308**  
**URANIUM COUNTS**

DIGHEM* SURVEY	NTS: 950/5.12	GEOPHYSICIST: [Signature]
DATE: JUNE 1994	JOB: 1184	SHEET: 1
DIGHEM, A division of CGG Canada Ltd.		

