MAP NO.:
115 O 14

**ASSESSMENT REPORT** X

**PROSPECTUS**

**CONFIDENTIAL** X

**OPEN FILE**

**DOCUMENT NO:** 092969

**MINING DISTRICT:** Dawson

**TYPE OF WORK:** Trenching, Geochemical
Rotary Drilling
Geological Mapping

**REPORT FILED UNDER:** Arbor Resources Inc.

**DATE PERFORMED:** June 6 - December 13, 1990

**DATE FILED:** July 5, 1991

**LOCATION:** **LAT.:** 63°53'N

**LONG.:** 139°15'W

**AREA:** Lone Star Property

**VALUE $:** 538,024.90

**CLAIM NAME & NO.:** DE, DN, ND, RJ, RON, VI, plus Crown Grants

*** DUE TO SIZE OF CLAIM BLOCK CHECK OWNERSHIP RECORDS FOR MOST ACCURATE RECORD OF CLAIM INFORMATION.**

**WORK DONE BY:** Scott Tomlinson

**WORK DONE FOR:** Arbor Resources Inc.

| DATE TO GOOD STANDING: | |
|---|---|
| | |
| | |
| | |
| | |

**REMARKS:** # 115 O - Lone Star Property
The company conducted an extensive exploration program in order to explore for high grade quartz veins and to further delineate a gold anomaly previously discovered near the Lone Star Mine. A total of 308 soil samples, 40 trenches, and 45 reverse circulation rotary drill holes were undertaken. A intensive geophysical program was also run but the results were never approved for assessment credit because of problems encountered by the consultant. The rotary drilling delineated a possible low grade bulk tonnage gold deposit but more work is required to test extent of deposit.

YUKON ASSESSMENT REPORT

OFFICE OF THE REGIONAL MINERAL RECORDER
JUL 12 1991
WHITEHORSE
YUKON TERRITORY

092969

PROPERTY: LONE STAR

NTS MAP SHEET: 115O/14

LATITUDE: 63°53' N LONGITUDE: 139°15' W

CLAIMS AND GRANT NUMBERS WORKED:

| | |
|---|---|
| LOT 86,104,408,409,410,534 | |
| DE 11,12,13 | YA552260,261,262 |
| DN F | YA47088 |
| DN 2,15,16,17,18,20,26 | YA32784,950,951,952,953,955,961 |
| DN 32,33 | YA47604,605 |
| ND 2,4,6,8,9,10,11 | YA49725,727,729,731,732,733,734 |
| RJ 1 | YA64126 |
| RON 1,3,5,9,11,17,19 | YA10300,302,304,308,310,316,318 |
| VI 1,43 | YA55285, YA65550 |

OWNERS OF PROPERTY: Arbor Resources Inc.

ADDRESS: #1000 - 675 West Hastings Street
Vancouver, B.C.
V6B 1N6

TELEPHONE: (604) 685-2222

OPERATORS: Arbor Resources Inc.

TYPE OF WORK: Geological mapping, geochemical sampling, trenching, rotary drilling.

DATES WORK WAS DONE: JUNE 6 - DECEMBER 13, 1990.

AUTHOR OF REPORT: Scott Tomlinson, B.Sc.

RECEIVED
JUN 21 1991
MINING RECORDER'S OFFICE
DAWSON, Y.T.

LIST OF PERSONNEL:
Scott Tomlinson, Hastings Management Corp.
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Larry Johnson, Hastings Management Corp.
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Jerry Bryde, Hastings Management Corp.
Jim M°Faull, Aurex Exploration
Art Troup, Archean Engineering Ltd.
Ralph Gonzalez, Adder Exploration and Development Ltd.

# GEOLOGICAL AND GEOCHEMICAL REPORT ON THE LONE STAR PROPERTY

## DAWSON MINING DISTRICT, YUKON

## SUMMARY

The Lone Star property is owned 100 % by Arbor Resources Inc. and is located in the Klondike Mining District of northwestern Yukon Territory, approximately 14 km south-southeast of Dawson City. The claims are situated along the valleys of Bonanza and Eldorado Creeks. These claims are adjacent to and overlie some of the most productive placer depositss in the Klondike.

The claims are underlain by the Klondike Series, a unit of quartzofeldspathic mica schists. Graphitic schists, possibly related to thrust faulting, also occur on the property. Both of these lithologies are cross-cut by Tertiary dykes.

Mineral exploration in the Klondike has occurred since the late 1800's, but has concentrated on placer deposits. Lode gold exploration has consisted mostly of individual efforts to find high grade vein structures, although a few larger programs involving trenching and drilling have also been carried out. The most successful venture was the Lone Star Mine, which produced 7,650 tonnes grading 0.148 oz/ton between 1912 and 1914. In 1980, Dawson Eldorado Gold Explorations Ltd. started a comprehensive exploration program in the vicinity of the abandoned Lone Star mine. Geophysical and geochemical surveys, trenching, and drilling resulted in several significant anomalies.

In 1983, several companies of the Hughes Lang Group began to acquire and explore ground in the Klondike for hard rock gold potential. Work included multiple geological, geochemical, and ground geophysical surveys, two airborne geophysical surveys, trenching, and diamond and rotary drilling.

The 1990 program was designed to prospect for high grade quartz veins and to further delineate a gold anomally previously discovered near the Lone Star mine. To these ends the following work was performed: 35.9 1km of Induced Polarization, 308 soil samples, 40 trenches, and 45 reverse circulation rotary drill holes totalling 2,796 m.

Work to date indicates two major types of gold deposits. Mesothermal auriferous quartz veins are known to occur in several areas on the property, but they are discontinuous and of limited economic potential. The other deposit type is more enigmatic, but has a much larger economic potential. One (or more) gold bearing horizon occurs within the Klondike Series, and possibly connects anomallies found at the Lone Star mine and near Gay Gulch. This horizon is probably genetically related to either a thrust fault or represents a primary gold layer.

Further work should concentrate on developing the Lone Star area as a possible low grade - bulk tonnage deposit. Specifically, the continuation of the pattern rotary drill program started in 1990 is recommended, although at a wider spacing to determine if a large tonnage potential exists. A similar drill program in the Gay Gulch area is a second priority.

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# GEOLOGICAL AND GEOCHEMICAL REPORT ON THE LONE STAR PROPERTY

## DAWSON MINING DISTRICT, YUKON

## 1. INTRODUCTION

This report covers the field program completed between June 6 and December 13, 1990 under the supervision of Project Geologist Scott Tomlinson of Hastings Management Corp.

### 1.1 LOCATION AND ACCESS

Dawson City is the principal population and supply center of northwestern Yukon. It can be reached via the two-lane, all-weather, Klondike Highway from Whitehorse on the Alaska Highway, a distance of 535 km. Dawson City is presently served by scheduled flights from Whitehorse where connections to Vancouver or Edmonton are available.

The mineral claims are located 14 km south-southeast of Dawson City in the Klondike Mining District as shown in Figure 1. The claims overlie the valleys of Bonanza and Eldorado Creeks and are plotted on Figure 2.

Relief is on the order of 650 m (2100 ft) with elevations ranging from 500 m (1600 ft) to 1173 m (3851 ft). Terrestrial coordinates for the center of the claim block are: 63° 53' North Latitude, 139° 15' West Longitude.

Access to the property is provided by the Bonanza Creek Road which connects with the Klondike Highway approximately 3 km east of Dawson City. The Bonanza Creek Road branches at the former site of the town of Grand Forks with roads going along both Bonanza and Eldorado Creeks. Several recently completed unimproved roads provide good access for 4x4 trucks within much of the claim group.

# ARBOR RESOURCES INC.

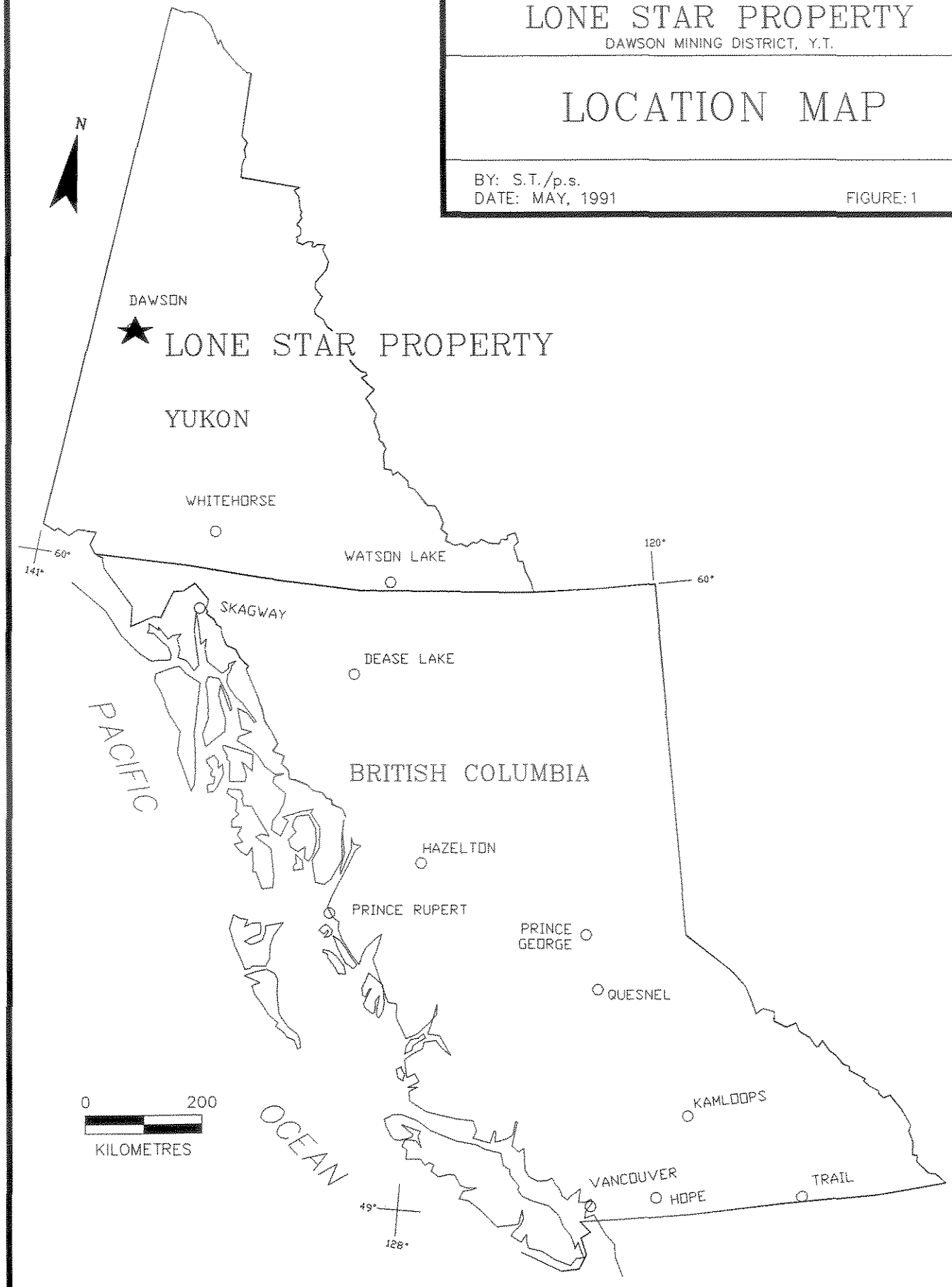
## LONE STAR PROPERTY

DAWSON MINING DISTRICT, Y.T.

## LOCATION MAP

BY: S.T./p.s.
DATE: MAY, 1991

FIGURE: 1



## 1.2 PHYSIOGRAPHY AND CLIMATE

The Klondike region forms a part of the Yukon Plateau or upland surface which, locally, occupies an area between the Pacific and Alaskan Mountain Ranges to the west and northwest, the Ogilvie Mountains to the northeast and east, and the Dawson Range to the southwest and south.

The region is a thoroughly dissected upland which was elevated at one period into a high plateau. This plateau was subsequently deeply eroded by a multitude of small streams tributary to the main water courses. A secondary uplift resulted in further deepening of the valleys from 150 m to 200 m. Portions of the old valley-bottoms, still covered with thick accumulations of gravel forming terraces of varying width, border the newer valleys (McConnell, 1905; also, G.S.C. Mem.84, 1957). Today, the valleys are flat and wide in their lower reaches, but gradually narrow toward their head waters into steep-sided gulches ending in broad, amphitheater-shaped bowls.

The Klondike proper occupies an area of approximately 30 by 60 km. The drainage is dominated by the northerly flowing Yukon River and its westerly flowing tributaries, the Klondike River on the north and the Indian River on the south. Elevations within the Klondike range from 320 m (1050 ft) at Dawson City to 1295 m (4048 ft) at the top of King Solomon Dome, a span of approximately 915 m (3000 ft). The principal gold-producing streams of the Klondike originate near, and radiate in a general way from, King Solomon Dome, flowing eventually into the Klondike River on the north and the Indian River on the south and thence into the Yukon River.

The Klondike region was not glaciated and, as a result, the deeply weathered, pre-glacial, gently rolling upland surface has been preserved. A thick covering of decomposed schist, usually intermingled with slide rock, mantles the side hills nearly everywhere. On the ridges the covering is less; the schists occasionally project above surface or crop out along the sides of the steeper hills.

The region has a northern continental climate, characterized by low precipitation and a wide temperature range. The winters are intensely cold and long, while the summers, although short, are pleasant with cool nights and warm days. Because of the land form there is a tendency for local micro-climates to develop at the bottom of steep valleys which involves higher summer maxima and lower winter minima than are recorded in Dawson City. Precipitation is only about 30 cm (12 inches) per year with more rain in summer than snow in winter. Most of the mountain ridges are free of snow by mid-July, but frost may occur at any time during the summer. As a rule, precipitation is so low that shortages of water for placer mining are sometimes experienced.

Vegetation is mixed boreal forest and tundra. Immature and stunted stands of aspen, balsam, poplar, and birch are present in the valley bottoms and are beginning to reclaim the older mining areas. Softwood timber consisting mainly of white and black spruce are limited to slopes and ridge tops.

## 1.3 CLAIM INFORMATION

The property is located in the Dawson Mining District of northwestern Yukon Territory and is comprised of 285 located quartz claims and 14 Crown Granted claims covering an area of approximately 63 $km^2$, as shown on Figure 2. The claims are 100% owned by Arbor Resources Inc. Disposition of the claims is as follows in Table I:

TABLE I
CLAIM STATUS

| CLAIMS | GRANT NUMBERS | ANNIVERSARY |
|---|---|---|
| AC 1-10 | YA64270-YA64279 | DECEMBER 31 |
| AC 11 | YA64281 | DECEMBER 31 |
| AC 12-35 | YA65627-YA65650 | DECEMBER 31 |
| ARGYLE | LOT 223 | CROWN GRANT |
| CATO | LOT 535 | CROWN GRANT |
| CIM 1-4 | YA64519-YA64522 | DECEMBER 31 |
| DE 1-14 | YA55250-YA55263 | DECEMBER 31 |
| DN 1-2 | YA32783-YA32784 | DECEMBER 31 |
| DN 3-9 | YA47890-YA47896 | DECEMBER 31 |
| DN 10 | YA47082 | DECEMBER 31 |
| DN 11-26 | YA32946-YA32961 | DECEMBER 31 |
| DN 27-31 | YA47083-YA47087 | DECEMBER 31 |
| DN 32-33 | YA47604-YA47605 | DECEMBER 31 |
| DN F | YA47088 | DECEMBER 31 |
| DN 1F-2F | YA47090-YA47091 | DECEMBER 31 |
| ESTER EDNA | LOT 106 | CROWN GRANT |
| LONE STAR | LOT 410 | CROWN GRANT |

| CLAIMS | GRANT NUMBERS | ANNIVERSARY |
|---|---|---|
| ND 1-22 | YA49724-YA49745 | DECEMBER 31 |
| ND F | YA47089 | DECEMBER 31 |
| NEW BONANZA | LOT 408 | CROWN GRANT |
| NEW BONANZA NO.2 | LOT 424 | CROWN GRANT |
| NIOBE FRACTION | LOT 409 | CROWN GRANT |
| PORPHYRY LODE | LOT 104 | CROWN GRANT |
| REX 1-51 | YA84183-YA84233 | DECEMBER 31 |
| RJ 1-32 | YA64126-YA64247 | DECEMBER 31 |
| RJ 39-60 | YA65595-YA65616 | DECEMBER 31 |
| RJ 62-63 | YA65618-YA65619 | DECEMBER 31 |
| RJ 65-70 | YA65621-YA65626 | DECEMBER 31 |
| RON 1-40 | YA10300-YA10339 | DECEMBER 31 |
| SWASTIKA | LOT 533 | CROWN GRANT |
| THISTLE | LOT 536 | CROWN GRANT |
| UDAS | LOT 534 | CROWN GRANT |
| VI 1-15 | YA55285-YA55299 | DECEMBER 31 |
| VI 16 | YA65523 | DECEMBER 31 |
| VI 18 | YA65525 | DECEMBER 31 |
| VI 43-44 | YA65550-YA65551 | DECEMBER 31 |
| VICTORIA | LOT 86 | CROWN GRANT |
| YANKEE GIRL | LOT 105 | CROWN GRANT |
| ZULU CHIEF | LOT 411 | CROWN GRANT |

## 1.4 HISTORY AND PREVIOUS PRODUCTION

The Klondike region is well known for the 11 million ounces of placer gold recovered since 1896, over half of which has come from Bonanza and Eldorado Creeks.

The mining of the placer deposits has been accomplished by a succession of methods. Originally, hand miners would shaft down through frozen gravels to "pay zones" near bedrock in the winter and sluice the gravel in the summer; using these techniques over five milllion ounces of gold was recovered. Subsequently, from 1903 to 1966, dredges reworked the streams and recovered an additional five million ounces. Since the dredging ended, bulldozers have been used to push gravel through sluice boxes and have recovered approximately one million ounces of gold.

The earliest known staking for lode deposits was in 1899 on an auriferous quartz vein known as the Corthay Vein (Maclean, 1914). This vein was later mined by the Lone Star Company. At about the same time as the initial staking, numerous other auriferous sulphide-bearing quartz veins were discovered in the region. It appears, however, that little real work was completed on any of the lode prospects until 1910. In 1909, the Lone Star Company Ltd. was formed to explore the Lone Star property, which was the most

promising lode prospect at the time.

Historical accounts show that the Lone Star Company mined 7,650 tonnes grading 0.148 oz/ton Au from the mine site between 1912 and 1914 (Roche, 1916). A 4-stamp mill on Victoria Gulch processed the ore and amalgamation recovered the gold. It appears that sulphides were discarded and only free gold was recovered. The ore was mined without selection from a 105 m long open cut which was up to 10 m wide and 8 m deep. Downward extension of the mineralization was tested by a 7 m deep shaft and a cross-cut 18 m below the open cut. By 1914 there had been 230 m of drifting under the cut, 70 m of which was on the Corthay Vein. In 1914, grades dropped substantially after a fault was encountered and subsequent caving and rising labour costs caused the mine to close.

## 1.5 PREVIOUS WORK

The area surrounding the Lone Star has been intermittently prospected since the turn of the century. Numerous small pits and trenches on surface showings of quartz float or veins are scattered along the Lone Star ridge and attest to the considerable primitive exploration that took place during the early days of the Klondike.

At the end of World War I, the Lone Star Company was reformed as Consolidated Lone Star Ltd. and resumed work from 1925 to 1929; however, the work was without much success. By 1931, a new adit (190 m long) and raise (30 m) had been driven under the cut to connect the older, caved workings.

Yukon Consolidated Gold Corp. Ltd. optioned the property in 1946-47 and drove a 60 m cross-cut from the 1930-31 underground working for the purpose of exploring the northern end of the open cut. Six churn drill holes totalling 205 m and eight surface trenches were completed, all within 300 m of the north end of the cut. The company attempted to trace the northern extension of the mineralization; however, the results proved inconclusive and the option was terminated. The Lone Star Mine site workings have not been explored substantially since.

In 1960, the property was acquired by Klondike Lode Gold Mines Ltd. This group conducted the first systematic exploration of the area outside of the limits of the old workings. Contour-controlled bulldozer trenching was carried out on various parts of the claim group, and overburden samples from the trenches were panned and sluiced to determine gold content. Results were encouraging and six diamond drill holes totalling 238 m were drilled on the Eldorado Creek side of the claims in 1962. The project was abandoned in 1962 due to lack of funds.

In 1979-80, Klon Explorations Company Ltd. carried out VLF-EM and magnetometer surveys across Eldorado Creek at French Gulch. This was followed by minor diamond drilling in an attempt to locate what were believed to be auriferous structures beneath the creek. A coincident program involving reverse circulation drilling in the creek to locate buried placer gold was also conducted. This project was also hampered by lack of funds and was terminated in 1980.

Dawson Eldorado Gold Explorations Ltd. acquired the present land position between 1980 and 1985 and were the first to attempt to understand the complex geological, geochemical, and mineralogical relationships involved with the property. In 1980, a resistivity survey was conducted over the Lone Star workings with only limited success (permafrost being the main problem). During 1981, much of the central portion of the claim group was soil sampled at 120 m stations using conventional sampling techniques, and several bulldozer trenches were sampled. In 1984, the soil sampling grids were extended and additional bulldozer trenches were excavated. In 1985, six rotary drill holes, totalling 168 m, were drilled in the vicinity of anomalous zones as outlined in the 1960 and 1981-84 programs.

Exploration continued by Mark Management Ltd. for Arbor Resources and an extensive program was completed during 1986 and early 1987. This program included 86 line-kilometres (1km) of magnetometer, 3 1km of VLF-EM16, and 31.3 1km of Induced Polarization (I.P.) surveys. Reconnaissance work included 250 soil and 42 rock chip samples. Targets outlined by this ground work were later drilled, and a total of 2,617 m of diamond and 2,807 m of rotary drilling were completed. Diamond drill holes intersected disseminated sulfide horizons which contained gold values up to 0.357 oz/T. These were commonly bound by wider zones of lower grade gold content.

A low level helicopter supported airborne geophysical survey was carried out by Aerodat Limited of Mississauga, Ontario, during December 1986 and January 1987. Ground follow-up included 10 1km of VLF-EM and 18 1km of I.P. surveying. An extensive grid was established over the ridge between Upper Bonanza and Eldorado Creeks, with 1588 soil samples and 29 rock samples being collected. Targets outlined by these surveys were eventually trenched and drilled, with 23 bulldozer trenches, 1,690 m of diamond drilling and 4,063 m of rotary drilling being completed. Many gold bearing intersections were obtained and two main zones of interest outlined: near Gay Gulch, and near the old Lone Star mine workings. One trench near the former zone, 87TR08, returned an assay of 7.086 oz/t. Geological interpretation indicates that these two zones are related, although the connection between them is uncertain.

In 1988, 18 1km of VLF-EM and 9 1km of Induced Polarization geophysical surveying was done. In addition, 1,437 "B" horizon soil samples on four grids and 61 rock chip samples were taken. This was followed by 39 bulldozer trenches and a further 1,352 rock chip samples.

In 1989, 19 soil, 32 heavy mineral concentrate, and 90 rock chip samples were taken. Based on this sampling, 21 trenches (with a further 88 rock chip samples) were excavated.

## 1.6 WORK COMPLETED IN 1990

Field work completed by Hastings Management Corp. for Arbor Resources Inc. was carried out from June to December, 1990. This work included:

(1) 35.9 1km of Induced Polarization and Resistivity surveying carried out over seven grids.
(2) 308 soil samples carried out over four grids.
(3) 40 bulldozer or excavator trenches with 629 rock chip samples
(4) 45 reverse circulation rotary drill holes totalling 2,796 m, with 1,835 samples analyzed.

# 2. GEOLOGY

## 2.1 REGIONAL GEOLOGY

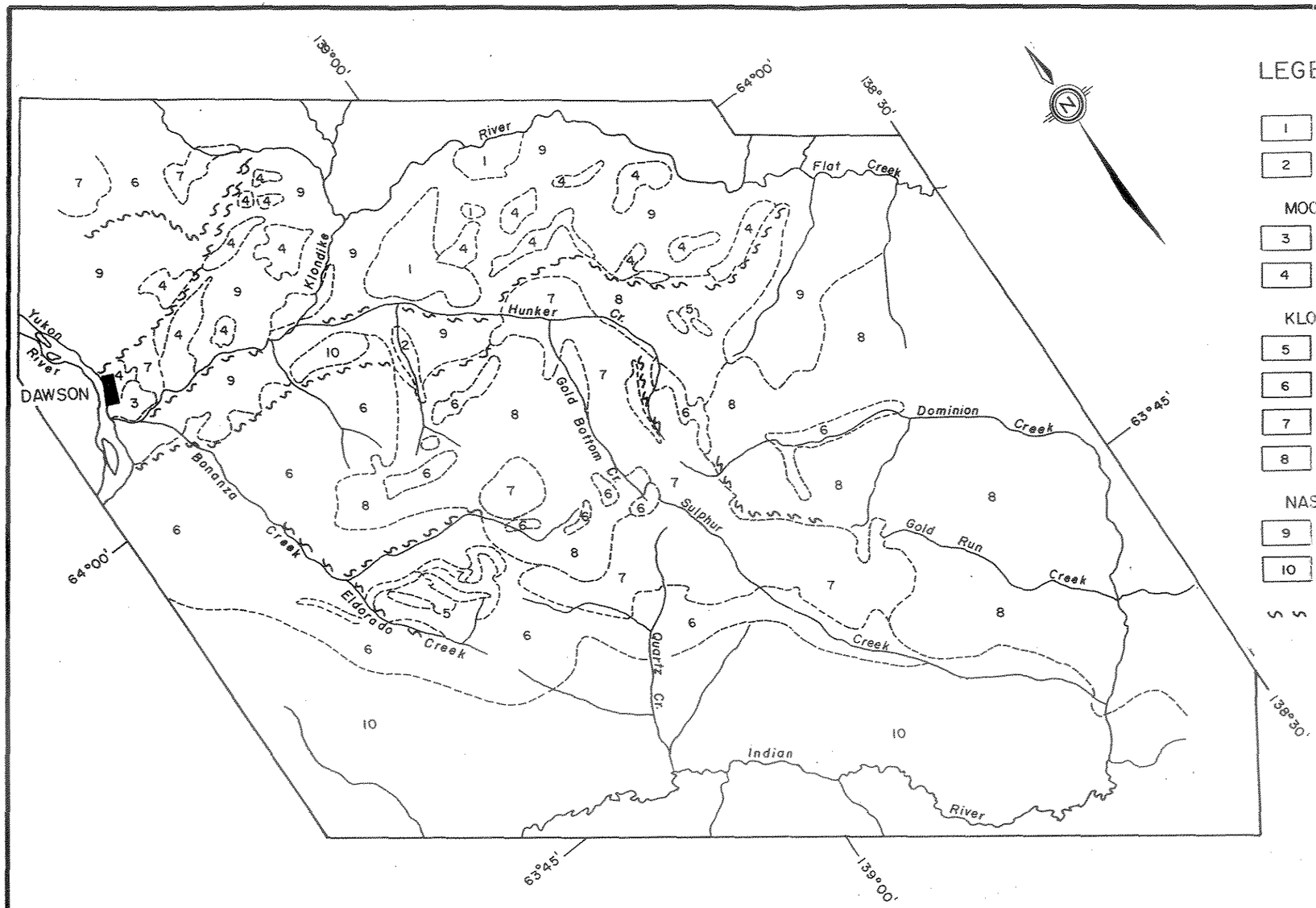
Bedrock exposures amount to less than one percent of the area and are generally confined to gulches, recent landslide areas, and road cuts. The Klondike district was first mapped by Bostock (1942), followed by Green and Roddick (1961), Metcalfe (1981), and Debicki (1984 and 1985), and most recently by Mortensen (1990). Bedrock in the Klondike area is generally grouped into five major units which are, from oldest to youngest, the Nasina Series, the Klondike Series, the Moosehide Assemblage, early Tertiary volcanics/ volcanoclastics and Tertiary intrusives. An overview of the geology is shown in Figure 3.

Rocks of the Nasina Series consist of graphitic schists, graphitic quartzites and siliceous marbles with minor chlorite schists and muscovite schists. These rocks have been metamorphosed to grades ranging from upper greenschist to middle amphibolite facies, and appear to have been derived from marine offshore sedimentation similar to that found along continental shelves. Field studies indicate that the Nasina Series pre-dates the Klondike Series; thus, an age of formation in the late Carboniferous to mid-Permian is likely.

Most litologies exposed in the Klondike district belong to the Klondike Series. These are quartzofeldspathic schists containing varying amounts of chlorite, muscovite and sericite. They have undergone upper greenschist to middle amphibolite grade metamorphism and at least four separate deformational events. This series appears to represent water lain arkosic sediments and rhyolitic to andesitic tuffs derived from a succession of stratovolcaniclastic venting. The minimum estimated age of formation of the Klondike Series lies within the middle Permian. Metcalfe claims that the Klondike formation has a conformable basal contact with the structurally underlaying rocks of the Nasina Series, although field studies indicate a low angle thrust contact.

To the west the Klondike Schists are in contact with a blocky weathering, granitic textured, biotite-quartz-feldspar orthogneiss. Thin section studies of these rocks indicate that they were originally medium to coarse grained plutonic rocks of granodiorite to quartz diorite composition, and may represent the magmatic source for those tuffs now comprising the Klondike Series. Zircon dating of these rocks indicates an age of emplacement between Late Devonian and early Carboniferous (Mortensen).

The age of metamorphism of the Klondike and Nasina Series formations has been placed in the Late Triassic (Metcalfe).




## LEGEND

- 1 QUARTZ FELDSPAR PORPHYRY
- 2 CLASTIC SEDIMENTS AND VOLCANICS

MOOSEHIDE ASSEMBLAGE

- 3 MASSIVE GREENSTONE AND DIABASE
- 4 SERPENTINITE AND ALTERED ULTRAMAFIC ROCKS

KLONDIKE SERIES

- 5 MUSCOVITIC QUARTZITE
- 6 MUSCOVITE AND QUARTZ MUSCOVITE SCHIST
- 7 CHLORITIC SCHIST
- 8 MUSCOVITIC AND CHLORITIC QUARTZITE AND FELDSPATIC QUARTZITE

NASINA SERIES

- 9 CARBONACEOUS PHYLLITE AND SCHIST
- 10 METAGRANODIORITE

S S FAULT (NATURE UNCERTAIN)

NOTE: MODIFIED FROM MORTENSEN, 1985

ARBOR RESOURCES INC.

LONE STAR PROPERTY
DAWSON MINING DISTRICT, Y.T.

# REGIONAL GEOLOGY OF THE KLONDIKE

BY: S.T./p.s.
DATE: MAY, 1991

FIGURE: 3

Structurally overlying the rocks of the Klondike and Nasina Series are occurrences of greenstone and altered ultramafics belonging to the Moosehide Assemblage. Included in the ultramafic unit are a variety of rock types including massive, partially serpentinized peridotite (harzburgite), massive to sheared serpentinite, silica-carbonate altered serpentinite, and talc-carbonate schist. Massive greenstone and strongly altered, fine to medium grained diabase are exposed in several steep bluffs in the vicinity of Dawson. These rocks are unfoliated and form part of a slab of greenstone and serpentinite that underlies the southwestern slope of the Midnight Dome east of Dawson. Occurrences of greenstone and ultramafic rocks are commonly found along the sheared contact between the Klondike and Nasina Series rocks. They are thought to represent exotic slices of uncertain origin (ophiolite?), structurally emplaced during thrust faulting.

Gently folded andesitic volcanics and clastic sediments belonging to the Carmacks suite are present in the Last Chance Creek area. These rocks were considered to be early Tertiary in age; however, recent work on similar rocks in the Indian River area suggests that these rocks are middle Cretaceous in age (Mortensen, 1986).

Intrusive rocks are present as numerous dykes and sills ranging in nature from diabase to rhyolite. These have been dated as Tertiary to early Quaternary in age. Larger Tertiary intrusive bodies are rare in the Klondike except for a rhyolite porphyry stock that outcrops along Hunker Creek. Isotopic dating (Debicki) indicates that the porphyry is approximately 50 to 60 million years old.

The regional structure is dominated by the Tintina Thrust Fault, which is only 15 kms away. Much of the faulting, deformation, and lithology trends to the northwest, parallel the Tintina.

## 2.2 PROPERTY GEOLOGY

The geology of the property was chiefly determined from the examination of trenches, road cuts and diamond-drill core, and the interpretation of geophysical information, as there are few outcrops. The property is underlain almost entirely by facies of the Klondike Schist. Lithological and structural continuity has been disrupted by folding and faulting. Age relationships of the various lithologies are largely unknown since tops cannot be determined and contacts are either gradational, interlayered, or faulted.

There are four main lithologies on the property: quartzofeldspathic mica schists, micaceous quartzites, carbonaceous schists, and intrusives.

The dominant rock type are well-foliated, rust-yellow weathering, light grayish-green, undifferentiated chloritic schists, muscovite schists, and quartz-sericite schists. The primary bedding of these schists is believed to correspond with schistosity, which has a general attitude of 140°/30SW to the west of the Lone Star ridge, and 140°/30NE to the east of the ridge. This foliation parllels the regional stratigraphic trends.

Underlying this unit is a sequence of quartzites, with varying amounts of muscovite and commonly up to 15% small blue quartz eyes. These eyes may represent crystals, tuff fragments, or porphyroblasts.

The carbonaceous schists are enigmatic as to their genesis. They were originally thought to be stratigraphic, as there are gradational contacts between the graphite and the mica schists. However, the graphite does not appear to be conformable with the surrounding schists, and may represent a thrust plane. If the graphite does represent a thrust fault, the carbon may have been deposited by hydrothermal solutions moving along the thrust plane. Alternatively, the carbon may represent slices of the underlying Nasina Series caught up in the thrust.

Intruding the three lithologies mentioned above are a series of north to north-west trending quartz-feldspar porphyry and diabase dykes. The porphyry is anomalous in arsenic, and is rhyolitic in areas. The diabase contains magnetite, showing up as a magnetic low in geophysical surveys, and may be basaltic. These dykes are penecontemperanous, as they cross-cut, and appear to have been implaced either along or adjacent to major faults.

The local geology is complicated by a series of northwest trending antiforms and synforms. Interpretation of these features indicates that the schists are folded into a broad northwest trending anticline, with the hinge roughly following the ridge between Upper Bonanza and Eldorado Creeks. French Gulch and Bonanza and Eldorado Creeks are probably recent high angle faults. There is also the possiblility of a low angle (i.e. thrust) fault which parallels Eldorado Creek.

The target horizon for gold within the Klondike schists is outlined as a unit of quartz-muscovite schist which contains some combination of pyrite, arsenopyrite, possibly mariposite, or grey coloured carbonate blebs (diamond drill core observations). The gold bearing units intersected near the old Lone Star mine may by genetically related to those intersected near Gay Gulch.

## 2.3 ECONOMIC GEOLOGY

With few exceptions, exploration of the area has always focused on the placer deposits. Since production began in 1896, the Klondike district southeast of Dawson City has produced over 11 million ounces of placer gold.

The little previous hard rock exploration has concentrated on exploring quartz deposits. Quartz occurs in two forms: foliaform and discordant. The foliaform quartz forms pods and lenses ranging in thickness from 1 cm to over 1 m within the schists, and are probably the result of metamorphic segregation of the protolithologies. The discordant or vein quartz varies from less than 1 cm to over 2 m in thickness, has a general attitude of 140°/40NE, and is mesothermal in origin (as determined by fluid inclusion work). Very similar veins near the property have been age dated at 138 m.y.a. (Mortensen, 1990). Carbonate is a common constituent, galena may be present, and a pyrite selvage often forms. Pyrite may also form stringers and veinlets by itself. Although there has been exploration on both types of quartz, only the discordant veins carry gold; the gold is almost always associated with galena and/or pyrite. The pyrite stringers and veinlets also may have gold.

The earliest reported study on the lode deposits was by Cairnes (1911) in which he briefly described the development work on some of the more promising quartz veins in the district. One property (Boulder Lode), near the head waters of Victoria Gulch, a tributary of Bonanza Creek, was considered the source of the gold in the gulch, and along part of Bonanza Creek. The principal vein, with its associated surrounding mineralized zone, varied in thickness from 1 to 3 m and was traceable along strike for 120 m with a possible extension of another 200 m. Cairnes failed to indicate the grade of this deposit, but he suggested that the gold content was in excess of 0.25 oz/T. Reserves in this vein indicated approximately 1,500 tons per meter containing about 400 ounces per meter. McConnell (1905) reported that ten 150 m wide placer claims along Victoria Gulch and Bonanza Creek produced over 200,000 ounces: the implication is that all the gold recovered in the placers could not have come solely from this vein.

Diamond drilling in 1986 of geochemical and geophysical targets near the Boulder Lode intercepted several sulphide rich horizons within quartz-muscovite and chloritic muscovite schists. Fire assays of samples from these zones detected gold values up to 0.357 oz/T. None of these gold bearing horizons were related to any quartz veining as studied by Cairnes. Rotary drilling during January and early February 1987 intersected several gold bearing zones between Oro Grande and Gay Gulches. Fire assays of samples from these zones detected gold values up to 0.230 oz/T at depths ranging from 6 m to 145 m.

Recent trenching and drilling has further confirmed and expanded the gold bearing horizons as outlined in previous drilling near the old Lone Star workings, and between Oro Grande and Gay Gulches.

## 3. GEOPHYSICS

In 1990, a total of 35.9 line-kilometres (1km) of Induced Polarization (I.P.) and resistivity surveying was done over seven grids. A synopsis of each of these grids follows.

The Boulder Lode grid is located near the old Boulder Lode workings, and consists of 2.82 1km peformed to 10 levels of penetration. This survey was designed to tested for deep anomalies that previous I.P. work did not reach. Although a few anomalies were detected at depth, more importantly a correlation between chargability highs, resistivity lows, and economic drill intersections was observed; this may help in outining future drill targets.

The 7 Pup grid is located on 7 Pup near current placer mining, and consists of 2.85 1km to 10 levels. This was a reconnaissance survey to search for anomallies possibly related to the placer gold. No significant anomallies were detected.

The McKay/O'Neil grid is located along Upper Bonanza Creek between McKay and O'Neil Gulches, and consists of 4.44 1km performed to 10 levels. This survey searched for the source of massive sulphide mineralization observed on the dredge tailings in the vicinity. No anomalies indicating a massive sulphide deposit were detected, suggesting that the mineralization must be very localized.

The Eldorado grid is located along Eldorado Creek between Skookum and Gay Gulch, and consists of 6.78 1km performed to 6 levels along one line. This survey checked for structures that may cross Eldorado Creek. Although no significant structures were found, this line did tie in the following three grids.

The Irish grid is located long Eldorado Creek north of Irish Gulch, and consiststst of 2.07 1km performed to 8 levels. This survey tested for a suspected fault running along Eldorado Creek. The fault was clearly delineated, and may be a future drill target.

The French grid is located at the mouth of French Gulch, and consists of 7.29 1km performed to 8 levels. This survey searched for any anomallies which might explain why the mouth of French Gulch was exceptionally rich in placer gold. Several faults were discovered, but drilling is needed to determine their significance.

Finally, the Oro Grande/Gay grid is located along Eldorado Creek between Oro Grande and Gay Gulches, and consists of 9.65 1km performed to 8 or 10 levels. Again, as in the French grid, this survey searched for anomallies which might explain the very rich placer gold from this area. A number of anomallies exist in this area, including the continuation of the fault delineated at Irish Gulch, but unfortunately drilling done late in the year was not orientated properly to intersect this fault, and further drilling is necessary.

A complete description and interpretation of the geophysical program is contained in a separate report by Geotronics Surveys Ltd., written by David Marks.

## 4. SOIL SAMPLING

In 1990, a total of 308 soil samples were taken from four different areas, as shown in Figure 2. All samples were taken on ten metre intervals except for the FGBENCH and EL samples, which were taken on 30 m spacings.

Along Victoria Gulch 112 samples were taken along one line starting at 13 Pup and proceeding upstream for 1.12 km. These samples are VG 000N 000W-730W and 750W-1120W; no sample was taken at 740W due to permafrost.

Another line of 143 samples was taken along Gay Gulch, starting at the ridge between Gay and Victoria Gulches. These are GG 000N 000W-1420W.

Near French Gulch, 24 samples were taken on the northern bench. Samples FGRD 180-330 are 16 samples collected along the road going up French Gulch, with the numbers refering to distance from the road/creek intersection. Samples FGBENCH 240S-450S are 8 samples taken along the French Gulch 360E I.P. line, with the numbers refering to the I.P. grid.

The last area sampled was along Eldorado Creek, where 29 samples were taken along the Left Limit (LL) and Right Limit (RL) between Golden and Gay Gulches. The number of the sample is relative to the Eldorado I.P. line. The samples are: EL/LL 6570, 6630-6720, 6780-6900; and EL/RL 6360-6900. The gaps in the sampling on the EL/LL line are due to tailings preventing a sample from being taken.

The VG, GG, and FG samples were sent to Chemex Labs Ltd in North Vancouver. There they were oven dried and sieved to -80 mesh; the coarse fraction was then discarded and the fine fraction pulverised for analysis. Gold was analyzed using the Fire Assay -Atomic Absorption (FA-AA) method, and 32 additional elements were analyzed using the Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES) technique. The EL samples were sent to Northern Analytical Labs Ltd. in Whitehorse, Y.T. for gold assay and Acme Analytical Labs Ltd. in Vancouver for 29 additional elements analysis, using similar techniques to Chemex. The analysis results are listed in Appendix I.

The VG line had several gold anomallies, with sample VG 000N 200W returning a value of 3880 ppb Au. This and the other highly anomalous samples are on strike with the soil geochemical anomally that overlies the Boulder Lode, indicating that the mineralized zone extends at least to Victoria Gulch.

The GG line had only one gold anomally, 725 ppb Au at station GG 000N 140W. Based on previous experience of following up such anomallies, there is probably a small auriferous vein nearby, although none was observed.

The FG samples resulted in two anomalous samples, with 2400 ppb Au being returned from station FGRD 290. When panning was done near the sample location, however, placer gold flakes were recovered, suggesting that the anomalies are due to placer rather than lode gold.

The EL samples had several anomalous values, but as in the FG samples, these may be due to placer contamination.

## 5. TRENCHING

A total of 40 trenches were excavated on the property for hard rock purposes, as shown in Figure 2. They were made using a Caterpillar D8 bulldozer, with the exception of trenches OG and OGJV which used a Caterpillar 245 excavator.

Most of the trenches were excavated in search of quartz veins, but several were put in to uncover dykes, expose old workings, or explore altered zones. Most of the trenches are located between 27 Pup and Upper Eldorado Creek.

Listed below in Table II are the trenches, their claim location, and their target.

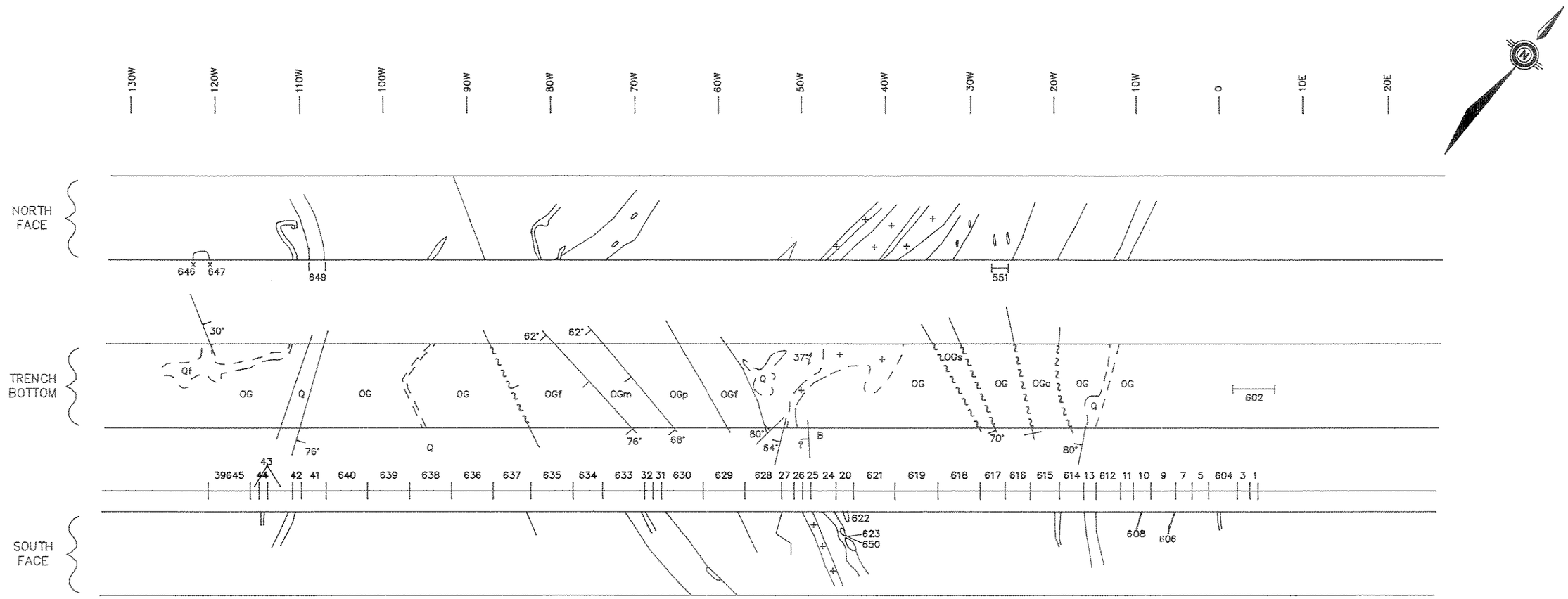
TABLE II
TRENCHING DATA

| TRENCH NUMBER | CLAIM | TARGET |
|---|---|---|
| 90JUN UBON1 | DN 33 | dyke extension |
| 90JUN 7PUP1 | LOT 86 | dyke extension |
| 90JUN LSTAR1 | LOT 534 | dyke extension |
| 90JUN LSTAR2 | LOT 408 | quartz vein extension |
| 90OG | RON 9 | quartz vein |
| 90OGJV | RON 9 | quartz vein |
| 90OGTR01 | DN 20 | quartz vein |
| 90GGTR01 | DN 15 | quartz vein |
| 90GGTR02 | DN 15 | quartz vein |
| 90GGTR03 | DN 17 | quartz vein |
| 90GGTR04 | DN 17 | quartz vein |
| 90GGTR05 | DN 17 | quartz vein |
| 90GGTR06 | RON 5 | quartz vein |
| 90GGTR09 | RON 1 | quartz vein |
| 90GGTR10 | ND 4 | surficial lineament |
| 90GGTR11 | ND 2 | surficial lineament |
| 90GGTR12 | DN 17 | I.P. anomaly |
| 90GGTR13 | RON 5 | quartz vein |
| 90GGTR14 | DN 18 | quartz vein |
| 90GGTR15 | DN 18 | quartz vein |
| 90GGTR16 | DN 18 | quartz vein |
| 90GGTR17 | RON 3 | quartz vein |
| 90GGTR18 | RON 3 | quartz vein |
| 90GGTR19 | RON 3 | quartz vein |
| 90GGTR20 | RON 3 | quartz vein |
| 90GGTR21 | RON 3 | quartz vein |

| TRENCH NO. | CLAIM | TARGET |
|---|---|---|
| 90GGTR22 | ND 2 | old workings extension |
| 90V1 | VI 1 | old workings extension |
| 90V2 | VI 43 | surficial lineament |
| 9027PUPTR01 | RON 11 | quartz vein extension |
| 9027PUPTR02 | RON 11 | quartz vein extension |
| 9027PUPTR03 | RJ 1 | quartz vein extension |
| 9027PUPTR04 | RJ 1 | quartz vein extension |
| 9027PUPTR01A | RON 11 | quartz vein extension |
| 9027PUPSQTR | RJ 1 | quartz vein extension |
| 90GAY GULCH CUT | DN 15 | quartz vein |
| 90GAY GULCH FGVN | DN 15 | quartz vein |
| 90GAY GULCH HEAD | ND 9,10 | I.P. anomaly |
| 90DOWSE TRENCH | DN 26 | old workings extension |
| 90FGVN EXTN | DN 16 | quartz vein extension |

The sampling method varied from one trench to another: most trenches systematically chip (grab) sampled; where high grade gold was suspected the trenches were selectively sampled at quartz veins or shear zones; and occassionally no samples were taken if after excavation a trench appeared to have no merit. Detailed drawings of the Violet and 27 Pup trenches are shown in Figures 4 and 5 respectively.

The samples were sent to Chemex Labs Ltd. in North Vancouver, where they were crushed to -200 mesh. Gold was then assayed using the FA-AA method, and 32 additional elements were analyzed using the ICP-AES technique. Some of the samples were sent to Northern Analytical Labs Ltd. in Whitehorse, Y.T. for gold assay and Acme Analytical Labs Ltd. in Vancouver for 29 additional elements analysis, using similar techniques to Chemex. Seventeen samples which assayed high for gold were re-assayed using the metallics assaying procedure, which involves using a 100 mesh screen and fire assaying both the coarse and the fine fractions. A listing of the trenches and sample numbers is given in Appendix II, and the analysis results are given in Appendix III, with significant assays listed below in Table III.




LEGEND

| | |
|---|---|
| OG | LIGHT GREY TO PINKISH GREY FELDSPAR–QUARTZ–MUSCOVITE ORTHOGNEISS |
| OGm | DARK GREEN WELL FOLIATED MUSCOVITE–QUARTZ–FELDSPAR–ORTHOGNEISS |
| OGp | PINKISH GREY TO LIGHT PINK FELDSPAR–QUARTZ–MUSCOVITE ORTHOGNEISS |
| OGs | GREY SERICITE RICH SHEARED OG |
| OGf | WELL FOLIATED OG |
| OGa | OG ALTERED TO LIGHT GREEN IN COLOR WITH CLAY RICH ZONES PERVASIVE THROUGHOUT |
| Q | MILKY WHITE TO DARK ORANGE CRYSTALLINE QUARTZ VEINS. FERRUGINOUS FRACTURES COMMON THROUGHOUT |
| B | CHALKY WHITE BARITE VEIN |
| Qf | MILKY WHITE TO DARK ORANGE QUARTZ FELDSPAR VEINS |
| | INFERRED/KNOWN GEOLOGICAL BOUNDARY |
| + | DIABASE DYKE (MAGNETIC) |
| 64° ? | ORIENTATION KNOWN/INFERRED/VERTICAL |
| X | SAMPLE SITE LOCATION/INTERVAL |
| | SHEAR |

SCALE 1:500

0 5 10 15 20 25

METRES

NOTE: MAP BY C. MARRIOTT, 1990

ARBOR RESOURCES INC.

LONE STAR PROPERTY

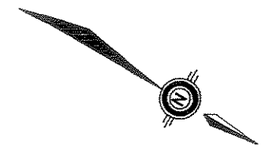
DAWSON MINING DISTRICT, Y.T.

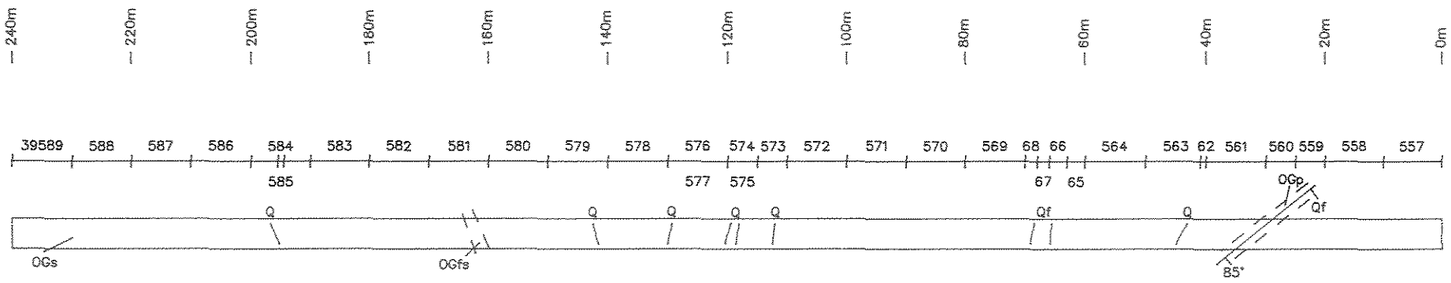
# VIOLET SHOWING TRENCH V1

BY: S.T./p.s.

DATE: MAY, 1991

FIGURE: 4

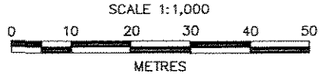





SAMPLING INTERVAL

LEGEND

| | |
|---|---|
| Q | MILKY WHITE TO DARK ORANGE CRYSTALLINE QUARTZ VEINS. FERRUGINOUS FRACTURES COMMON THROUGHOUT |
| OGfs | WELL FOLIATED GREY SERICITIC ORTHOGNEISS |
| OGf | WELL FOLIATED OG |
| OGp | PINKISH GREY TO LIGHT PINK |
| Qf | MILKY WHITE TO DARK ORANGE QUARTZ FELDSPAR VEINS |
| – – – | GEOLOGICAL CONTACT |




NOTE: MAP BY C. MARRIOTT, 1990

ARBOR RESOURCES INC.

LONE STAR PROPERTY
DAWSON MINING DISTRICT, Y.T.

# VIOLET SHOWING TRENCH V2

BY: S.T./p.s.
DATE: MAY, 1991

FIGURE: 5

TABLE III
TRENCH ASSAYS > 0.1 oz/ton Au

| SAMPLE | TRENCH | DESCRIPTION* | ASSAY |
|---|---|---|---|
| 24481 | 90GGTR17 | 7-9 m grab | 0.189 |
| 24494 | 90GGTR18 | 3 m quartz vein | 1.248 |
| 37893 | 9027PUPTR04 | 21 m west sheared quartz vein | 0.110 |
| 37900 | 9027PUPTR04 | 19-21 m west qutz sereicite schist | 0.101 |
| 37923 | 9027PUPTR1A | limonitic quartz vein | 0.117 |
| 38964 | 90GGTR02 | 10 m 40 cm quartz vein | 1.358 |
| 38968 | 90GGTR02 | 41 m quartz boulder | 0.102 |
| 38971 | 90GGTR02 | 45 m quartz boulder | 0.858 |
| 38973 | 90GGTR02 | 50.5 m quartz boulder | 0.385 |
| 38975 | 90GGTR12 | 56 m quartz boulder | 0.165 |
| 39168 | 90OGJV | 15 m quartz vein | 0.179 |
| 39202 | 90GGTR13 | 23 m quartz vein | 0.238 |
| 39211 | 90GGTR14 | 27 m quartz vein | 0.145 |
| 39336 | 90GGTR06 | 59-61 m grab | 2.224 |
| 108147 | 90GGTR03 | quartz vein select | 0.109 |
| 108151 | 90GGTR02 | quartz vein | 0.656 |
| 108152 | 90GGTR02 | quartz vein | 0.437 |
| 108153 | 90GGTR02 | quartz vein | 0.516 |
| 108156 | 90GGTR01 | 21 m grab | 0.326 |
| 108164 | 90GGTR06 | 12 cm quartz vein | 0.226 |
| 108190 | 90GGTR06 | 69-71 m grab | 8.290 |
| 108195 | 90GGTR06 | 79-81 m grab | 0.178 |

*N.B.: where a meterage is given, this is the location of the sample.

Most of the high assays can be attributed to quartz veins, which (based on previous experience in the camp) have no economic potential due to their limited extent.

## 6. ROTARY DRILLING

A total of 2,796 m was drilled in 45 reverse circulation rotary drill holes between October 27 and November 19, 1990, as shown in Figure 2. A Schramm T450H air rotary rig mounted on a TF 360 Nodwell carrier was used to drill 11.4 cm diameter holes. Drilling was carried out by Midnight Sun Drilling Co. Ltd. of Whitehorse, Y.T.

The drilling can be grouped into seven areas, each with a different target. Holes 90R1-7 are located in or near Gay Gulch, and targeted a quartz vein exposed in trenching that carried free gold. Holes 90R8-24 are located near the old Lone Star showing, with holes 90R8-90R19 trying to outline a gold bearing hoizon indicated in previous drilling, and holes 90R20-24 searching for the extension of the Boulder Lode vein. Holes 90R25-28 are located near 7 Pup, with 90R25 trying to confirm an old report of gold recovered in a churn drill hole, and 90R26-28 targeting I.P. anomallies. Holes 90R29-31 and 90R48-50 are located along Eldorado Creek between Gay Gulch and 27 Pup, and were also based on I.P. anomallies. Holes 90R32-35 are located along 27 Pup, and searched for a high grade quartz/pyrite vein exposed in trenching. Holes 90R36-38 and 90R45-47 are located near French Gulch, and targeted I.P. anomallies. Finally, hole 90R39 was located on Upper Bonanza Creek near O'Neil Gulch, and was based on an I.P. anomally. Listed below in Table IV is a description of the rotary drill holes (lengths are given in feet).

TABLE IV
ROTARY DRILLING DATA

| HOLE NO. | AZIMUTH | DIP | LENGTH | DATE | LOCATION |
|---|---|---|---|---|---|
| 90R1 | 250 | 60 | 100 | 10/27 | 30 m @ 080 from FG vein |
| 90R2 | - | 90 | 100 | 10/27-28 | GG I.P.L. 13+32.5E |
| 90R3 | 240 | 60 | 100 | 10/28 | GG I.P.L. 12+90E |
| 90R4 | 250 | 45 | 80 | 10/28 | 15 m @ 080 from FG vein |
| 90R5 | 070 | 45 | 125 | 10/28-29 | 15 m @ 260 from FG vein |
| 90R6 | 210 | 60 | 150 | 10/29 | 30 m @ 090 from 90GGTR2 |
| 90R7 | - | 90 | 200 | 10/29 | 30 m @ 090 from 90GGTR2 |
| 90R8 | - | 90 | 150 | 10/29 | old I.P.L. 0+00 2+75S |
| 90R9 | - | 90 | 150 | 10/29-30 | old I.P.L. 0+50W 2+75S |
| 90R10 | - | 90 | 150 | 10/30 | old I.P.L. 1+00W 2+75S |
| 90R11 | - | 90 | 150 | 10/30 | old I.P.L. 0+00 2+25S |
| 90R12 | - | 90 | 150 | 10/30 | old I.P.L. 0+50W 2+25S |
| 90R13 | - | 90 | 150 | 10/30 | old I.P.L. 1+00W 2+25S |
| 90R14 | - | 90 | 150 | 10/31 | old I.P.L. 1+50W 2+25S |
| 90R15 | - | 90 | 150 | 10/31 | old I.P.L. 2+00W 2+25S |
| 90R16 | - | 90 | 150 | 10/31 | old I.P.L. 2+50W 2+25S |
| 90R17 | - | 90 | 150 | 10/31 | old I.P.L. 2+50W 2+75S |
| 90R18 | - | 90 | 395 | 10/31-11/1 | old I.P.L. 1+95W 2+65S |
| 90R19 | - | 90 | 150 | 10/31 | old I.P.L. 1+50W 2+75S |

| HOLE NO. | AZIMUTH | DIP | LENGTH | DATE | LOCATION |
|---|---|---|---|---|---|
| 90R20 | 030 | 65 | 200 | 11/1-2 | old I.P.L. 0+00 2+35S |
| 90R21 | 210 | 65 | 150 | 11/2 | old I.P.L. 0+25E 2+05S |
| 90R22 | 210 | 65 | 150 | 11/2 | old I.P.L. 0+05W 1+90S |
| 90R23 | 030 | 65 | 150 | 11/1 | old I.P.L. 0+30W 2+35S |
| 90R24 | 040 | 45 | 200 | 11/2 | old I.P.L. 1+70E 2+80S |
| 90R25 | - | 90 | 157 | 11/2 | near 90JUN 7PUP1 trench |
| 90R26 | - | 90 | 300 | 11/2-3 | 7P I.P.L. 3+80E 1+10N |
| 90R27 | - | 90 | 200 | 11/4 | 7P I.P.L. 3+80E 1+60S |
| 90R28 | 360 | 60 | 200 | 11/3-4 | 7P I.P.L. 4+80E 0+60N |
| 90R29 | 260 | 45 | 500 | 11/4-5 | GG I.P.L. 3+00E |
| 90R30 | 260 | 45 | 500 | 11/6 | GG I.P.L. 2+20N 2+00E |
| 90R31 | 200 | 45 | 300 | 11/7 | EL I.P.L. 45+00S |
| 90R32 | - | 90 | 100 | 11/8 | near 9027PUPTR1 |
| 90R33 | - | 90 | 100 | 11/8 | near 9027PUPTR1 |
| 90R34 | - | 90 | 100 | 11/8 | near 9027PUPTR1 |
| 90R35 | - | 90 | 100 | 11/7 | near 9027PUPTR1 |
| 90R36 | 180 | 50 | 400 | 11/8-9 | FG I.P.L. 6+60S 8+60E |
| 90R37 | 030 | 75 | 300 | 11/9 | FG I.P.L. 3+60E 5+50S |
| 90R38 | 040 | 50 | 250 | 11/9-10 | FG I.P.L. 3+40E 3+60S |
| 90R39 | 160 | 60 | 300 | 11/10-11 | ON I.P.L. 1+00E 0+20S |
| 90R45 | 345 | 60 | 350 | 11/16 | EL I.P.L. 29+40S |
| 90R46 | 080 | 50 | 500 | 11/17-18 | FG I.P.L. 6+61S 7+60E |
| 90R47 | 220 | 50 | 250 | 11/18 | FG I.P.L. 3+80E 3+15S |
| 90R48 | - | 90 | 100 | 11/18 | OG I.P.L. 49+70S 0+00W |
| 90R49 | - | 90 | 100 | 11/19 | OG I.P.L. 49+70S 0+30W |
| 90R50 | - | 90 | 115 | 11/19 | OG I.P.L. 49+70S 0+60W |

Upon recovery, the samples passed through a cyclone desander, and thence through a three tier Jones Splitter. All samples were taken on five foot intervals. Half of the sample was bagged and stored on site, while 12.5 % of the sample was separately bagged and labled for analysis. A small sample was also taken for logging the drill cuttings; these logs appear in Appendix IV.

The samples were sent to Northern Analytical Labs Ltd. in Whitehorse, Y.T. There gold was assayed using the FA-AA method, except for samples from 90R8-24, which were done by metallics fire assay. This involved screening to -100 mesh and then fire assaying both the +100 mesh and the -100 mesh fractions. Any sample which assayed greater than 0.01 oz/t using the regular assay method was subsequently assayed by the metallic assay method. A portion of all of the samples was then sent to Acme Analytical Labs Ltd. in Vancouver for 29 additional elements using the ICP-AES technique. The analysis results are listed in Appendix V, with significant assays listed below in Table V.

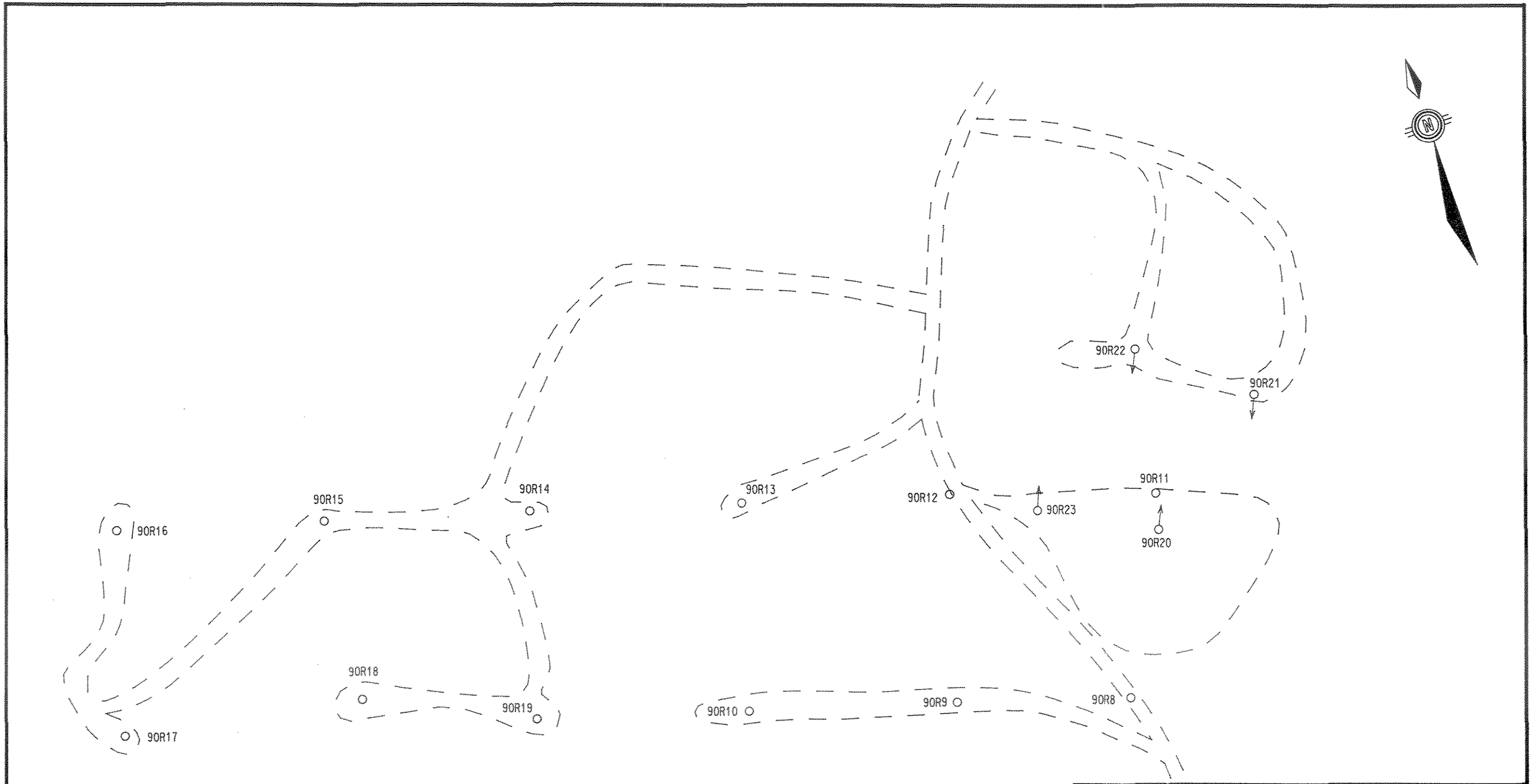
TABLE V
ROTARY DRILL ASSAYS > 0.01 oz/ton Au

| HOLE NO. | FOOTAGE | ASSAY | HOLE NO. | FOOTAGE | ASSAY |
|---|---|---|---|---|---|
| 90R2 | 20-25 | 0.012 | 90R2 | 30-35 | 0.024 |
| 90R2 | 35-40 | 0.015 | | | |
| 90R7 | 35-40 | 0.011 | 90R7 | 70-75 | 0.062 |
| 90R7 | 155-160 | 0.027 | | | |
| 90R8 | 40-45 | 0.044 | 90R8 | 55-60 | 0.016 |
| 90R8 | 70-75 | 0.032 | 90R8 | 75-80 | 0.045 |
| 90R8 | 80-85 | 0.283 | 90R8 | 85-90 | 0.013 |
| 90R8 | 90-95 | 0.035 | 90R8 | 105-110 | 0.014 |
| 90R8 | 115-120 | 0.090 | 90R8 | 130-135 | 0.041 |
| 90R8 | 135-140 | 0.250 | 90R8 | 145-150 | 0.336 |
| 90R9 | 20-25 | 0.032 | 90R9 | 35-40 | 0.022 |
| 90R9 | 65-70 | 0.020 | 90R9 | 80-85 | 0.014 |
| 90R9 | 95-100 | 0.837 | 90R9 | 100-105 | 0.011 |
| 90R9 | 110-115 | 0.019 | 90R9 | 115-120 | 0.039 |
| 90R9 | 120-125 | 0.018 | 90R9 | 125-130 | 0.031 |
| 90R9 | 130-135 | 0.094 | | | |
| 90R10 | 15-20 | 0.020 | 90R10 | 50-55 | 0.093 |
| 90R10 | 80-85 | 0.022 | | | |
| 90R11 | 0-5 | 0.025 | 90R11 | 5-10 | 0.010 |
| 90R11 | 10-15 | 0.038 | 90R11 | 15-20 | 0.290 |
| 90R11 | 30-35 | 0.068 | 90R11 | 35-40 | 0.018 |
| 90R11 | 40-45 | 0.021 | 90R11 | 45-50 | 0.035 |
| 90R11 | 115-120 | 0.030 | 90R11 | 130-135 | 0.011 |
| 90R11 | 135-140 | 0.046 | | | |
| 90R12 | 25-30 | 0.029 | 90R12 | 30-35 | 0.013 |
| 90R12 | 35-40 | 0.017 | 90R12 | 105-110 | 0.035 |
| 90R12 | 115-120 | 0.023 | 90R12 | 130-135 | 0.062 |
| 90R13 | 105-110 | 0.163 | 90R13 | 125-130 | 0.075 |
| 90R14 | 0-5 | 0.027 | 90R14 | 10-15 | 0.090 |
| 90R14 | 15-20 | 0.145 | 90R14 | 20-25 | 0.060 |
| 90R14 | 25-30 | 0.062 | 90R14 | 30-35 | 0.055 |
| 90R14 | 60-65 | 0.023 | 90R14 | 65-70 | 0.017 |
| 90R14 | 70-75 | 0.020 | 90R14 | 75-80 | 0.050 |
| 90R14 | 80-85 | 0.175 | 90R14 | 85-90 | 0.020 |
| 90R14 | 105-110 | 0.017 | 90R14 | 110-115 | 0.012 |

| HOLE NO. | FOOTAGE | ASSAY | HOLE NO. | FOOTAGE | ASSAY |
|---|---|---|---|---|---|
| 90R15 | 10-15 | 0.010 | 90R15 | 35-40 | 0.042 |
| 90R15 | 40-45 | 0.129 | 90R15 | 45-50 | 0.019 |
| 90R15 | 55-60 | 0.019 | 90R15 | 60-65 | 0.012 |
| 90R15 | 75-80 | 0.011 | 90R15 | 80-85 | 0.719 |
| 90R15 | 100-105 | 0.011 | | | |
| 90R16 | 5-10 | 0.021 | 90R16 | 25-30 | 0.032 |
| 90R16 | 30-35 | 0.167 | 90R16 | 40-45 | 0.042 |
| 90R16 | 80-85 | 0.014 | 90R16 | 110-115 | 0.011 |
| 90R16 | 120-125 | 0.012 | 90R16 | 130-135 | 0.020 |
| 90R16 | 135-140 | 0.024 | 90R16 | 140-145 | 0.016 |
| 90R17 | 15-20 | 0.012 | 90R17 | 45-50 | 0.022 |
| 90R17 | 50-55 | 0.062 | 90R17 | 105-110 | 0.256 |
| 90R17 | 125-130 | 0.044 | 90R17 | 140-145 | 0.029 |
| 90R18 | 35-40 | 0.061 | 90R18 | 40-45 | 0.015 |
| 90R18 | 55-60 | 0.062 | 90R18 | 60-65 | 0.011 |
| 90R18 | 65-70 | 0.046 | 90R18 | 70-75 | 0.011 |
| 90R18 | 85-90 | 0.011 | 90R18 | 90-95 | 0.014 |
| 90R18 | 95-100 | 0.019 | 90R18 | 100-105 | 0.158 |
| 90R18 | 105-110 | 0.139 | 90R18 | 110-115 | 0.019 |
| 90R18 | 115-120 | 0.501 | 90R18 | 120-125 | 0.217 |
| 90R18 | 130-135 | 0.025 | 90R18 | 140-145 | 0.019 |
| 90R18 | 145-150 | 0.095 | 90R18 | 150-155 | 0.080 |
| 90R18 | 160-165 | 0.028 | 90R18 | 165-170 | 0.018 |
| 90R18 | 180-185 | 0.062 | 90R18 | 190-195 | 0.010 |
| 90R18 | 195-200 | 0.039 | 90R18 | 200-205 | 0.015 |
| 90R18 | 205-210 | 0.012 | 90R18 | 215-220 | 0.068 |
| 90R18 | 275-280 | 0.027 | | | |
| 90R19 | 70-75 | 0.018 | 90R19 | 75-80 | 0.020 |
| 90R19 | 80-85 | 0.022 | 90R19 | 90-95 | 0.044 |
| 90R19 | 110-115 | 0.016 | | | |
| 90R20 | 5-10 | 0.013 | 90R20 | 20-25 | 0.026 |
| 90R20 | 25-30 | 0.053 | 90R20 | 30-35 | 0.011 |
| 90R20 | 40-45 | 0.026 | 90R20 | 45-50 | 0.013 |
| 90R20 | 130-135 | 0.010 | | | |
| 90R21 | 50-55 | 0.032 | 90R21 | 95-100 | 0.019 |
| 90R21 | 100-105 | 0.017 | 90R21 | 120-125 | 0.010 |
| 90R22 | 45-50 | 0.045 | 90R22 | 100-105 | 0.016 |
| 90R22 | 120-125 | 0.018 | 90R22 | 130-135 | 0.026 |
| 90R22 | 135-140 | 0.025 | | | |

| HOLE NO. | FOOTAGE | ASSAY | HOLE NO. | FOOTAGE | ASSAY |
|---|---|---|---|---|---|
| 90R23 | 0-5 | 0.015 | 90R23 | 25-30 | 0.258 |
| 90R23 | 30-35 | 0.284 | 90R23 | 35-40 | 0.079 |
| 90R23 | 55-60 | 0.024 | 90R23 | 60-65 | 0.020 |
| 90R23 | 65-70 | 0.022 | 90R23 | 70-75 | 0.029 |
| 90R23 | 90-95 | 0.087 | 90R23 | 95-100 | 0.043 |
| 90R23 | 100-105 | 0.036 | 90R23 | 110-115 | 0.017 |
| 90R23 | 135-140 | 0.026 | 90R23 | 140-145 | 0.050 |
| 90R24 | 20-25 | 0.013 | 90R24 | 30-35 | 0.123 |
| 90R24 | 35-40 | 0.068 | 90R24 | 90-95 | 0.013 |
| 90R24 | 105-110 | 0.017 | | | |
| 90R28 | 20-25 | 0.0149 | | | |
| 90R30 | 150-155 | 0.0239 | 90R30 | 205-210 | 0.0146 |
| 90R30 | 260-265 | 0.0350 | 90R30 | 355-360 | 0.0103 |
| 90R30 | 360-365 | 0.0210 | 90R30 | 365-370 | 0.0183 |
| 90R30 | 445-450 | 0.0160 | 90R30 | 450-455 | 0.0364 |
| 90R32 | 50-55 | 0.1236 | 90R32 | 55-60 | 0.0143 |
| 90R34 | 5-10 | 0.0158 | 90R34 | 75-80 | 0.0181 |
| 90R35 | 0-5 | 0.0202 | 90R35 | 10-15 | 0.0903 |
| 90R35 | 15-20 | 0.0138 | | | |
| 90R38 | 85-90 | 0.0381 | | | |
| 90R47 | 200-205 | 0.0128 | 90R47 | 205-210 | 0.0391 |
| 90R47 | 210-215 | 0.0170 | 90R47 | 220-225 | 0.0180 |
| 90R47 | 225-230 | 0.0392 | 90R47 | 230-235 | 0.0239 |

All of the economic assays returned were from the Lone Star area. Two deposit types were drilled: high grade veins and mineralized horizons. The high grade veins not only include the well documented Boulder Lode vein, which was intersected in 90R20-23, but may also be responsible for the high assays from the pattern drill holes 90R8-19. These latter holes, and possibly 90R24, appear to be intersecting a low grade mineralized sheet, and most of the economic assays returned from this drilling program have come from this sheet. A detailed plan view of the Lone Star drill holes is shown in Figure 6. The assay results of the two fences at Lone Star are shown as profiles in Figures 7 (90R8,9,10,17,18,19) and 8 (90R11-16).




SCALE 1:1,000

0 10 20 30 40 50

METRES

ARBOR RESOURCES INC.

LONE STAR PROPERTY

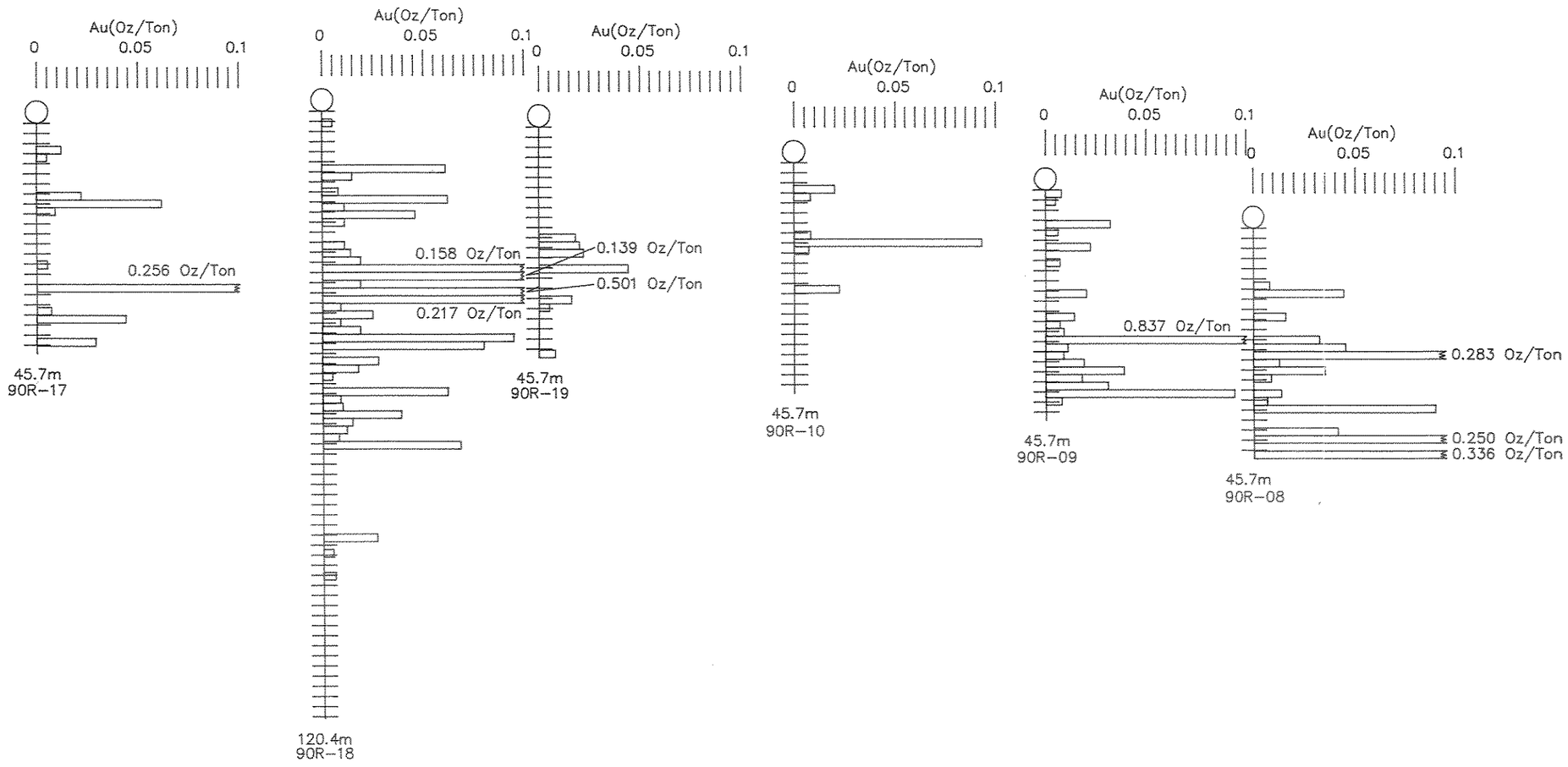
DAWSON MINING DISTRICT, Y.T.

# 1990 ROTARY DRILLHOLE LOCATION MAP

BY: S.T./p.s.

DATE: JUNE, 1991

FIGURE: 7




Note: Any Au values less than 0.005 Oz/Ton were filtered
Au: 1mm=0.0025 Oz/Ton

SCALE 1:1,000
0 10 20 30 40 50
METRES

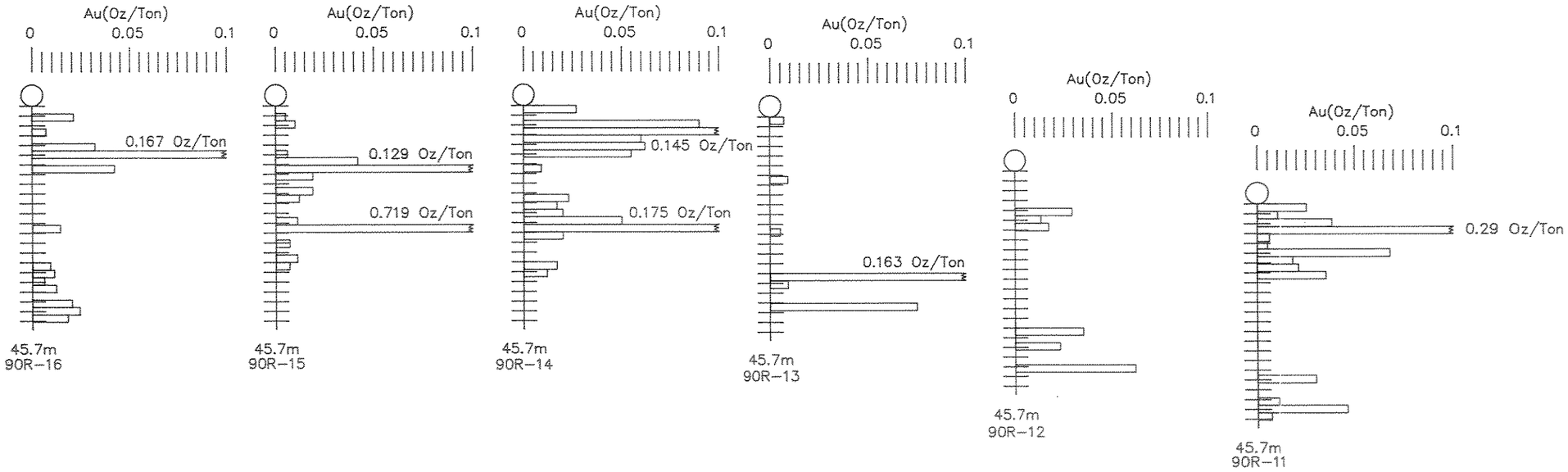
ARBOR RESOURCES INC.

LONE STAR PROPERTY
DAWSON MINING DISTRICT, Y.T.

# PROFILE DRILL RESULTS 90R8-10 & 90R17-19

BY: S.T./p.s.
DATE: MAY, 1991

FIGURE: 8




Note: Any Au values less than 0.005 Oz/Ton were filtered
Au: 1mm=0.0025 Oz/Ton

SCALE 1:1,000
0 10 20 30 40 50
METRES

ARBOR RESOURCES INC.

LONE STAR PROPERTY
DAWSON MINING DISTRICT, Y.T.

# PROFILE DRILL RESULTS 90R11-16

BY: S.T./p.s.
DATE: MAY, 1991

FIGURE: 9

Hole 90R30 was drilled on Eldorado Creek near a presumed steeply dipping fault (which may underlie and be responsible for Eldorado Creek). The assays returned, although erratic and uneconomic, indicate gold mineralization is associated with this fault.

Hole 90R47 was drilled near French Gulch to intersect the graphite horizons, which are inferred thrust faults. Again, the anomalous assays suggest a mineralizing event occurred along the fault.

In addition to the routine assaying performed on all of the samples, several intervals had leach and gravity concentration assays performed to test for the nugget affect caused by coarse gold particles. The leach assays were performed by Barringer Laboratories of Mississauga, Ont., and the gravity concentration assays were done by Bacon Donaldson & Associates Ltd. of Richmond, B.C.

The cyanide leach assay technique was performed on eleven samples: 90R18 100-105 to 120-125, and 90R23 10-15 to 35-40. From the drill cuttings, a 900 to 3400 gm sample was pulverised to -150 mesh. After weighing, the sample was tumbled in a hot cyanide solution for several hours. The cyanide solution was then analysed for gold content, and a portion of the residue was fire assayed. The gravity concentration test was performed on four samples: 90R23 20-25 to 35-40. From the drill cuttings, 8.4 to 13.8 kgs was crushed to -10 mesh. After weighing, the sample was deslimed at 325 mesh, with the coarse fraction jigged and panned. The entire jig concentrate was assayed, and a sample cut was assayed from both the -325 mesh slime and the jig tails fractions. The assay results are listed in Appendix V, and a comparison between the metallics fire assay, the leach assay, and the gravity concentration assay techniques is listed below in Table VI.

TABLE VI
ROTARY DRILL ASSAYING TECHNIQUE COMPARISONS

| SAMPLE NO. | METALLICS | LEACH | GRAVITY |
|---|---|---|---|
| 90R18 100-105 | 0.158 | 0.144 | - |
| 90R18 105-110 | 0.139 | 0.259 | - |
| 90R18 110-115 | 0.019 | 0.031 | - |
| 90R18 115-120 | 0.501 | 0.220 | - |
| 90R18 120-125 | 0.217 | 0.331 | - |
| 90R23 10-15 | 0.008 | 0.031 | - |
| 90R23 15-20 | 0.008 | 0.016 | - |
| 90R23 20-25 | 0.002 | 0.016 | 0.028 |
| 90R23 25-30 | 0.258 | 0.289 | 0.166 |
| 90R23 30-35 | 0.284 | 0.300 | 0.199 |
| 90R23 35-40 | 0.079 | 0.061 | 0.386 |

From these assay comparisons, it appears that there is a nugget affect. The best example of this is sample 90R23 35-40, where the gravity concentrate assayed approximately 500% higher than the leach or metallics assays. How important the nugget affect is can only be determined by performing similar comparisons on a statistically significant number of samples; 100 comparisons would probably be enough to draw accurate conclusions.

## 7. CONCLUSIONS

The mineral claims owned by Arbor Resources Inc. are situated along two of the most productive placer creeks in the world, Bonanza and Eldorado Creeks. The source of this gold is almost certainly covered by these claims.

The Induced Polarization/Resistivity survey resulted in two significant anomalies. A suspected high angle fault running parallel to Eldorado Creek was delineated with enough precision to allow future drill targets to be selected. And at the Lone Star showing, a correlation between chargeable zones and drill intersections was observed, which may help in the selection of future drill targets.

The soil sampling indicates that the gold anomally which covers the Lone Star showing probably extends at least as far as Victoria Gulch. This adds approximately 0.5 km to the known strike length of 2 km.

The trenching discovered several high grade quartz veins, mostly in the vicinity of Gay Gulch. However, although these veins are probably important sources for placer gold, they are not economically significant for lode gold potential due to their erratic nature.

The rotary drilling at French Gulch, although intersecting uneconomic grades, suggests mineralization may be associated with the inferred thrust fault. Similarly, drilling along Eldorado Creek indicates potential for mineralization along the steeply dipping faults. The most successful and only economic drill intersections, however, were in the vicinity of the Lone Star showing. Both high grade quartz veins and a mineralized sheet were intersected.

Based on results from this years work, and on re-examining previous work, the primary target is a mineralized horizon at the Lone Star showing. Whether this horizon connects with anomallies occurring near Gay Gulch or whether the horizon sub-parallels an inferred thrust fault are unknown, but the target is well defined at the Lone Star.

Work in 1991 should concentrate on extending the mineralized horizon delineated at the Lone Star. Specifically, a series of fences of rotary drill holes should be pattern drilled to the east between the area of the 1990 holes and Victoria Gulch. These widely spaced holes would indicate whether there is the potential for a large tonnage deposit. If the results are encouraging, infill drilling would be the next stage.

Respectfully submitted;

Scott Tomlinson

## 8. REFERENCES

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## 9. STATEMENT OF PROFESSIONAL QUALIFICATIONS

SCOTT TOMLINSON, B.Sc.

ACADEMIC

1983
UNIVERSITY OF BRITISH COLUMBIA
B.Sc. IN GEOLOGY

PROFESSIONAL

AUGUST 1990 - FEBRUARRY 1991
HASTINGS MANAGEMENT
PROJECT GEOLOGIST
Responsible for regional and detailed exploration programs, including rotary drilling, in Dawson, Yukon.

JUNE 1990 - AUGUST 1990
GEWARGIS GEOLOGICAL CONSULTING LTD.
GEOLOGIST
Assisted in a mapping and diamond drilling program near Stewart, B.C.

JUNE 1986 - JUNE 1990
HUGHES LANG EXPLORATIONS LTD.
PROJECT GEOLOGIST
Responsible for regional and detailed exploration programs in Dawson, Yukon, and central and western British Columbia. Also, was involved in monitoring placer mining operations.

JUNE 1985 - MAY 1986
GEWARGIS GEOLOGICAL CONSULTING LTD.
PROJECT GEOLOGIST
Responsible for detailed exploration programs in central and south-western British Columbia and southern California.

JUNE 1984 - NOVEMBER 1984, JUNE 1983 - NOVEMBER 1983
MARK MANAGEMENT
GEOLOGIST
Worked on regional and detailed exploration programs near Atlin, British Columbia.

10. COST STATEMENT

LIST OF YUKON RESIDENT EMPLOYEES

JERRY BRYDE
P.O. BOX 469
DAWSON, Y.T.
Y0B 1G0

**Arbor Resources Inc.**
LONE STAR PROPERTY
COST STATEMENT
1 June - 13 December 1990

## GENERAL COST

| | | |
|---|---|---|
| FOOD & ACCOMMODATION 699 mdays @ $67.37 | | $ 47,790.88 |
| SUPPLIES | | 5,795.27 |
| FUEL | | 430.30 |
| SHIPMENTS | | 1,881.47 |
| MAINTENANCE | | 755.60 |
| RENTALS: | | |
| Arbor Field Equipment 699 days @ $10 | $6,990.00 | |
| Norcan 4wd Crewcab 14 days | 836.72 | |
| Norcan 4wd Bronco 2.5 mos @ $1,450 | 3,625.00 | |
| Arbor 4wd Blazer 129 days @ $55 | 7,095.00 | |
| Faith 4wd Suburban 129 days @ $60 | 7,740.00 | |
| Faith 4wd PU 129 days @ $55 | 7,095.00 | |
| Arbor 4wd Bronco 27 days @ $55 | 1,485.00 | 34,866.72 |
| FIXED WING (CAI, Air North, Alkan Air) | | 9,731.29 |
| CONSULTANT FEES: | | |
| Adder Exploration & Development Ltd. | | 1,936.03 |
| Archean Engineering Ltd. | | 20,475.00 |
| REPORT PREPARATION | | 11,714.94 |
| TOTAL GENERAL COST | | $135,377.50 |

## GEOLOGY & FIELD SUPERVISION
6 June - 15 October 1990

| | | |
|---|---|---|
| SALARIES & WAGES: | | |
| S.Tomlinson 29 days @ $160.42 | $4,652.18 | |
| C.Mariott 10 days @ $186.67 | 1,866.70 | |
| A.Whalley 13 days @ $140 | 1,820.00 | |
| L.Johnson 7 days @ $177.33 | 1,241.31 | |
| J.McFaull 8 days @ $140 | 1,120.00 | $ 10,700.19 |
| BENEFITS @ 20% | | 2,140.04 |
| GENERAL COST APPORTIONED (67/699 X $135,377.50) | | 12,976.10 |
| TOTAL GEOLOGY & FIELD SUPERVISION COST | | $ 25,816.33 |

## GEOCHEMICAL SURVEY COST
5 September - 7 October 1990

| | | |
|---|---|---|
| SALARIES & WAGES: | | |
| S.Tomlinson 5 days @ $160.42 | $ 802.10 | |
| C.Mariott 4 days @ $186.67 | 746.68 | |
| A.Whalley 4 days @ $140 | 560.00 | |
| L.Johnson 3 days @ $177.33 | 531.99 | $ 2,640.77 |
| BENEFITS @ 20% | | 528.15 |
| LINE-CUTTING (Marc Habel 6.57 lkm @ $400) | | 2,628.00 |
| ASSAYS & ANALYSES: | | |

| | | |
|---|---|---|
| Chemex Labs 279 Soils for AU & 32-El ICP @ $18.77 | | 5,236.00 |
| Northern 29 Soils for AU & 30-El ICP @ $11.75 | | 340.75 |
| GENERAL COST APPORTIONED (16/699 X $135,377.50) | | 3,098.77 |
| TOTAL GEOCHEMICAL SURVEY COST | | $ 14,472.44 |

**TRENCHING COST**
14 June - 18 October 1990

| | | |
|---|---|---|
| SALARIES & WAGES: | | |
| S.Tomlinson 20 days @ $160.42 | $3,208.40 | |
| A.Whalley 55 days @ $140 | 7,700.00 | |
| C.Mariott 15 days @ $186.67 | 2,800.05 | |
| L.Johnson 3 days @ $177.33 | 531.99 | |
| J.Bryde 1 day | 100.00 | |
| J.McFaull 13 days @ $140 | 1,820.00 | $ 16,160.44 |
| BENEFITS @ 20% | | $ 3,232.09 |
| CONTRACT BULLDOZER TRENCHING: | | |
| Hawk Mining D8, 478.5 Hrs @ $160.88 | | $ 76,980.00 |
| ASSAYS & ANALYSES: | | |
| Chemex Labs 679 Rocks for AU & 32-El ICP @ $19.75 | | 13,410.25 |
| 17 Pulp for Au Metallics @ $22.00 | | 374.00 |
| Northern 29 Rocks for AU & 30-El ICP @ $15.25 | | 381.25 |
| GENERAL COST APPORTIONED (107/699 X $135,377.50) | | 20,723.02 |
| TOTAL TRENCHING COST | | $131,261.05 |

**SURVEYING COST**
9 September - 12 December 1990

| | |
|---|---|
| SALARIES & WAGES: | |
| S.Tomlinson 6 days @ $160.42 | $ 962.52 |
| BENEFITS @ 20% | 192.50 |
| GENERAL COST APPORTIONED (6/699 X $135,377.50) | 1,162.04 |
| TOTAL GEOLOGY & FIELD SUPERVISION COST | $ 2,317.06 |

**ROTARY DRILLING COST**
13 October - 7 December 1990

| | | |
|---|---|---|
| SALARIES & WAGES: | | |
| S.Tomlinson 46 days @ $160.42 | $7,379.32 | |
| C.Mariott 9 days @ $186.67 | 1,680.03 | |
| J.McFaull 43 days @ $140 | 6,020.00 | |
| J.Bryde 29 days @ $100 | 2,900.00 | |
| R.Gonzalez 19 days @ $275 | 5,225.00 | $ 23,204.35 |
| BENEFITS @ 20% | | $ 3,595.87 |
| MIDNIGHT SUN 8,957 ft @ $21.06 | | $188,656.10 |
| ASSAYS & ANALYSES: | | |
| Northern 1,190 core for Au @ $12 | | 14,280.00 |
| 1,779 pulp for 30-El ICP @ $3.25 | | 5,781.75 |
| 574 core for Au metallics @ $26.25 | | 15,067.50 |
| 41 pulp for Au metallics @ $24 | | 984.00 |
| Accurassay 11 core for Au leach @ $43.68 | | 480.43 |

| | |
|---|---|
| Barringer 4 core for Au gravity @ $357.94 | 1,431.75 |
| ROADS AND DRILL PADS: | |
| Henry Gulch Placers 25Oct-20Nov 90 Hrs @ $200 | 18,000.00 |
| GENERAL COST APPORTIONED (146/699 X $135,377.50) | 28,276.27 |
| TOTAL ROTARY DRILLING COST | $299,758.02 |

**COST SUMMARY**

| | |
|---|---|
| GEOLOGICAL | $ 25,816.33 |
| GEOCHEMICAL | 14,472.44 |
| TRENCHING | 131,261.05 |
| SURVEYING | 2,317.06 |
| ROTARY DRILLING | 299,758.02 |
| GEOPHYSICAL (see Geotronics report) | ~~150,622.00~~ |
| | ~~$624,246.90~~ |

See following pages for revised cost statment.

Your file Votre référence

Our file Notre référence

November 9, 1992

TO WHOM THIS MAY CONCERN

Re: Assessment Report Number 092969 - Arbor Resources Lone Star Property.

This report was originally submitted as one report containing two sections;

a) a report covering the geology, rotary drilling and physical work performed on the Lone Star Property.

and

b) a geophysics report containing the results of the various geophysical surveys carried out on the property.

The geophysical portion of the exploration program was carried out under contract by Geotronics Surveys Ltd.. Geotronics originally filed a preliminary report because they were in the process of upgrading their computer programs. A final report was never forth coming from Geotronics due to computer and financial problems. Due to the fact that Arbor had no control over the actions of their contractor it was finally decided by the Dawson Mining Recorder in consultation with the Geology Section to allow Arbor to file revised statement of costs to renew those claims affected by the geophysical report. The amount of physical credit allowed was based on the amount of physical work expended during the 1990 field season.

Since there was never any problem with the report filed for the geology and rotary drilling program the amount of assessment credit for these items were allowed to stand.

Sincerely,

Robert Deklerk

Staff Geologist
Whitehorse, Yukon

# STATEMENT OF COSTS

FILING DATE: 09 Oct 90

CLAIMS WORKED: ND 2, 4

CLAIMS RENEWED: Cal, Rado

WORK REQUIRED: $8400

TYPE OF WORK: Trenching

COST STATEMENT: 6000 cu.m. x $1.60 = $9600

REFERENCES: 1990 Lone Star Assessment Report

I verify that these costs were incurred during the period referred to in the report above-noted.

Dated at Dawson City, Yukon, this 16th day of July 1992.

SCOTT TOMLINSON

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 3 4 6 5.

Robert Deblock
Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

Assessment report re Report # 092965

# STATEMENT OF COSTS

FILING DATE: 31 Oct 90

CLAIMS WORKED: DN 33;"98 35"

CLAIMS RENEWED: Reef, DN, DE

WORK REQUIRED: $2800

TYPE OF WORK: Trenching, Linecutting

COST STATEMENT:

| | | |
|---|---|---|
| 1500 cu.m. * $1.60 = | | $2400 |
| 1 l.km. * $400 = | | $400 |
| TOTAL | | $2800 |

REFERENCES: 1990 Lone Star Assessment Report

*NOTE: This claim was inadvertently included in application for renewal as one of the claims worked. It is not mentioned in report as no work was performed on it.

I verify that these costs were incurred during the period referred to in the report.

Scott Tomlinson

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $2,800.

Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

# STATEMENT OF COSTS

FILING DATE: 17 Oct 90

CLAIMS WORKED: DN 15, 17; Ron 3; VI 1

CLAIMS RENEWED: Rado

WORK REQUIRED: $11600

TYPE OF WORK: Trenching

COST STATEMENT: 18750 cu.m. * $1.60 = $30000

REFERENCES: 1990 Lone Star Assessment Report

I verify that these costs were incurred during the period referred to in the report above-noted.

Dated at Dawson City, Yukon, this 16th day of July 1992.

SCOTT TOMLINSON

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ [illegible].

[illegible]
Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

Amendment to report #[illegible]

# STATEMENT OF COSTS

FILING DATE: 16 Nov 90

CLAIMS WORKED: ND 10; DN 15

CLAIMS RENEWED: Cab, Win

WORK REQUIRED: $3450

TYPE OF WORK: Trenching

COST STATEMENT: 4250 cu.m. * $1.60 = $6800

REFERENCES: 1990 Lone Star Assessent Report

I verify that these costs were incurred during the period referred to in the report above-noted.

Dated at Dawson City, Yukon, this 16th day of July 1992.

SCOTT TOMLINSON

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 3450.

Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

Amendment & Agent 07207

# STATEMENT OF COSTS

FILING DATE: 26 Nov 90

CLAIMS WORKED: DN 2

CLAIMS RENEWED: Cab, Win, Top

WORK REQUIRED: $9150

TYPE OF WORK: Drilling

COST STATEMENT: 500 ft. * $33.50 = $16,750

REFERENCES: 1990 Lone Star Assessment Report

I verify that these costs were incurred during the period referred to in the report above-noted.

Dated at Dawson City, Yukon, this 16th day of July 1992.

SCOTT TOMLINSON

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 9150.

Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

Amendment to report 092 968

# STATEMENT OF COSTS

FILING DATE: 30 Nov 90

CLAIMS WORKED: DN 33

CLAIMS RENEWED: De, Top

WORK REQUIRED: $5700

TYPE OF WORK: Drilling

COST STATEMENT: 300 ft. * $33.50 = $10050

REFERENCES: 1990 Lone Star Assessment Report

I verify that these costs were incurred during the period referred to in the report above-noted.

Dated at Dawson City, Yukon, this 16th day of July 1992.

SCOTT TOMLINSON

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $_____.

Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory,

# STATEMENT OF COSTS

FILING DATE: 14 Jan 91

CLAIMS WORKED: VI 1, 43

CLAIMS RENEWED: KH, Rado, Nugget

WORK REQUIRED: $12000

TYPE OF WORK: Trenching

COST STATEMENT: 9500 cu.m. * $1.60 = $15200

REFERENCES: 1990 Lone Star Assessment Report

I verify that these costs were incurred during the period referred to in the report above-noted.

Dated at Dawson City, Yukon, this 16th day of July 1992.

SCOTT TOMLINSON

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 12 000.

Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

# STATEMENT OF COSTS

FILING DATE: 01 Feb 91

CLAIMS WORKED: ND 6; *Joe 10*; Oyro

CLAIMS RENEWED: Tom, Oyro

WORK REQUIRED: $11300

TYPE OF WORK: Geochemical Survey, Trenching, Drilling

COST STATEMENT:

| | |
|---|---|
| 18 samples * $47 = | $846 |
| 1000 cu.m. * $1.60 = | $1600 |
| 305 ft. * $33.5 = | $10217.50 |
| TOTAL | $12663.50 |

REFERENCES: 1990 Lone Star Assessment Report

*NOTE: This claim was inadvertently included in application for renewal as one of the claims worked. It is not mentioned in report as no work was performed on it.

I verify that these costs were incurred during the period referred to in the report.

Scott Tomlinson

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 11300.

Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

# APPENDIX I

## SOIL SAMPLES CERTIFICATES OF ANALYSES

# Chemex Labs Ltd.

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


To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9024267

Comments: CC: A. TROUP

## CERTIFICATE A9024267

ARBOR RESOURCES INC.

Project: AOR-DAWSON
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 14-OCT-90.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 203 | 234 | Dry, sieve to -35 mesh |
| 205 | 234 | Geochem ring to approx 150 mesh |
| 238 | 234 | NITRIC-AQUA REGIA DIGESTION |

* 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 | 234 | Au ppb: Fuse 10 g sample | FA-AAS | 5 | 10000 |
| 922 | 234 | Ag ppm: 32 element, soil & rock | ICP-AES | 0.2 | 200 |
| 921 | 234 | Al %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 923 | 234 | As ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 924 | 234 | Ba ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 925 | 234 | Be ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 926 | 234 | Bi ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 927 | 234 | Ca %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 928 | 234 | Cd ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 929 | 234 | Co ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 930 | 234 | Cr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 931 | 234 | Cu ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 932 | 234 | Fe %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 933 | 234 | Ga ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 951 | 234 | Hg ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 934 | 234 | K %: 32 element, soil & rock | ICP-AES | 0.01 | 10.00 |
| 935 | 234 | La ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 936 | 234 | Mg %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 937 | 234 | Mn ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 938 | 234 | Mo ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 939 | 234 | Na %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 940 | 234 | Ni ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 941 | 234 | P ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 942 | 234 | Pb ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 943 | 234 | Sb ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 958 | 234 | Sc ppm: 32 elements, soil & rock | ICP-AES | 1 | 10000 |
| 944 | 234 | Sr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 945 | 234 | Ti %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 946 | 234 | Tl ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 947 | 234 | U ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 948 | 234 | V ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 949 | 234 | W ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 950 | 234 | Zn ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAWSON
Comments: CC: A. TROUP

Page Number : 4-A
Total Pages : 6
Invoice Date: 14-OCT-90
Invoice No. : I-9024267
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024267

| SAMPLE DESCRIPTION | PREP CODE | | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OPC 0+00N 1+90W | 203 | 205 | < 5 | 0.6 | 1.16 | < 5 | 420 | < 0.5 | < 2 | 0.38 | < 0.5 | 4 | 50 | 9 | 1.62 | 10 | < 1 | 0.11 | 20 | 0.29 | 275 |
| OPC 0+00N 2+10W | 203 | 205 | 10 | 0.8 | 1.94 | < 5 | 790 | < 0.5 | < 2 | 0.86 | < 0.5 | 8 | 180 | 18 | 2.44 | 20 | < 1 | 0.18 | 50 | 0.41 | 555 |
| VG 0+00N 0+00W | 203 | 205 | 35 | 1.4 | 1.40 | 30 | 430 | < 0.5 | < 2 | 0.22 | 1.0 | 9 | 101 | 21 | 2.30 | 10 | < 1 | 0.16 | 30 | 0.60 | 495 |
| VG 0+00N 0+10W | 203 | 205 | 10 | 1.4 | 1.81 | 100 | 290 | < 0.5 | < 2 | 0.26 | 1.0 | 29 | 128 | 27 | 3.18 | 20 | < 1 | 0.10 | 40 | 0.97 | 1255 |
| VG 0+00N 0+20W | 203 | 205 | 20 | 1.4 | 1.26 | 25 | 400 | < 0.5 | < 2 | 0.21 | 0.5 | 14 | 68 | 16 | 2.09 | 10 | < 1 | 0.15 | 40 | 0.68 | 595 |
| VG 0+00N 0+30W | 203 | 205 | 30 | 1.2 | 0.99 | 30 | 400 | < 0.5 | 2 | 0.17 | 0.5 | 7 | 79 | 11 | 1.43 | 10 | < 1 | 0.19 | 70 | 0.32 | 175 |
| VG 0+00N 0+40W | 203 | 205 | 25 | 0.6 | 0.95 | 10 | 600 | < 0.5 | < 2 | 0.16 | 0.5 | 7 | 57 | 11 | 1.53 | 10 | < 1 | 0.14 | 40 | 0.31 | 450 |
| VG 0+00N 0+50W | 203 | 205 | 25 | 0.6 | 1.01 | 15 | 1350 | < 0.5 | < 2 | 0.07 | < 0.5 | 6 | 560 | 11 | 1.68 | < 10 | < 1 | 0.25 | 30 | 0.39 | 285 |
| VG 0+00N 0+60W | 203 | 205 | 25 | 0.6 | 0.60 | 10 | 630 | < 0.5 | < 2 | 0.05 | < 0.5 | 3 | 63 | 6 | 0.78 | 10 | < 1 | 0.19 | 40 | 0.13 | 140 |
| VG 0+00N 0+70W | 203 | 205 | 30 | 0.6 | 0.65 | 5 | 670 | < 0.5 | < 2 | 0.07 | < 0.5 | 3 | 83 | 7 | 0.93 | < 10 | < 1 | 0.20 | 40 | 0.21 | 120 |
| VG 0+00N 0+80W | 203 | 205 | 30 | 0.8 | 0.77 | 5 | 550 | < 0.5 | 2 | 0.07 | 0.5 | 4 | 120 | 9 | 1.20 | 10 | < 1 | 0.19 | 40 | 0.25 | 135 |
| VG 0+00N 0+90W | 203 | 205 | 25 | 0.8 | 0.98 | 5 | 660 | < 0.5 | 2 | 0.09 | 0.5 | 5 | 176 | 11 | 1.33 | 10 | < 1 | 0.25 | 40 | 0.31 | 210 |
| VG 0+00N 1+00W | 203 | 205 | 40 | 0.8 | 0.94 | 10 | 1730 | < 0.5 | < 2 | 0.08 | 0.5 | 5 | 117 | 10 | 1.18 | 10 | < 1 | 0.30 | 50 | 0.27 | 195 |
| VG 0+00N 1+10W | 203 | 205 | 50 | 0.8 | 0.91 | 10 | 1800 | < 0.5 | 2 | 0.05 | < 0.5 | 4 | 60 | 9 | 0.84 | 10 | < 1 | 0.37 | 60 | 0.18 | 160 |
| VG 0+00N 1+20W | 203 | 205 | 185 | 0.8 | 1.11 | 5 | 1010 | < 0.5 | 2 | 0.09 | < 0.5 | 3 | 144 | 13 | 1.65 | 10 | < 1 | 0.19 | 30 | 0.45 | 110 |
| VG 0+00N 1+30W | 203 | 205 | 230 | 1.2 | 0.94 | 10 | 2160 | < 0.5 | 4 | 0.07 | 0.5 | 6 | 113 | 11 | 1.20 | 10 | < 1 | 0.29 | 80 | 0.24 | 175 |
| VG 0+00N 1+40W | 203 | 205 | 135 | 1.0 | 1.07 | 5 | 1250 | < 0.5 | < 2 | 0.08 | < 0.5 | 3 | 134 | 7 | 1.11 | 10 | < 1 | 0.30 | 60 | 0.29 | 110 |
| VG 0+00N 1+50W | 203 | 205 | 15 | 0.8 | 0.80 | 5 | 2610 | < 0.5 | 2 | 0.08 | < 0.5 | 4 | 95 | 6 | 0.97 | 10 | < 1 | 0.27 | 60 | 0.24 | 95 |
| VG 0+00N 1+60W | 203 | 205 | 25 | 1.0 | 0.83 | 5 | 3660 | < 0.5 | 4 | 0.06 | < 0.5 | 3 | 122 | 7 | 1.00 | 10 | < 1 | 0.29 | 50 | 0.23 | 70 |
| VG 0+00N 1+70W | 203 | 205 | 95 | 0.8 | 1.33 | 5 | 470 | < 0.5 | 2 | 0.10 | < 0.5 | 3 | 295 | 11 | 1.55 | 10 | < 1 | 0.32 | 40 | 0.53 | 105 |
| VG 0+00N 1+80W | 203 | 205 | 70 | 1.2 | 1.25 | 10 | 670 | < 0.5 | 2 | 0.05 | < 0.5 | 5 | 113 | 13 | 1.51 | 10 | < 1 | 0.50 | 70 | 0.23 | 110 |
| VG 0+00N 1+90W | 203 | 205 | 25 | 1.0 | 1.08 | 10 | 450 | < 0.5 | 2 | 0.08 | < 0.5 | 4 | 125 | 6 | 1.60 | 10 | < 1 | 0.43 | 70 | 0.39 | 110 |
| VG 0+00N 2+00W | 203 | 205 | 3880 | 0.6 | 1.06 | 10 | 590 | < 0.5 | 2 | 0.14 | < 0.5 | 7 | 96 | 15 | 2.30 | 10 | < 1 | 0.20 | 30 | 0.58 | 145 |
| VG 0+00N 2+10W | 203 | 205 | 70 | 0.4 | 0.95 | 15 | 330 | < 0.5 | < 2 | 0.14 | < 0.5 | 4 | 155 | 8 | 1.60 | < 10 | < 1 | 0.20 | 30 | 0.46 | 100 |
| VG 0+00N 2+20W | 203 | 205 | 30 | 0.8 | 0.95 | 10 | 500 | < 0.5 | 2 | 0.16 | < 0.5 | 5 | 114 | 11 | 1.60 | 10 | < 1 | 0.24 | 40 | 0.44 | 130 |
| VG 0+00N 2+30W | 203 | 205 | 15 | 0.8 | 0.88 | < 5 | 280 | < 0.5 | < 2 | 0.14 | < 0.5 | 6 | 65 | 11 | 1.31 | 10 | < 1 | 0.34 | 60 | 0.30 | 175 |
| VG 0+00N 2+40W | 203 | 205 | 45 | 0.8 | 1.24 | 15 | 510 | < 0.5 | 4 | 0.31 | 1.5 | 13 | 132 | 25 | 1.87 | 10 | < 1 | 0.26 | 30 | 0.60 | 340 |
| VG 0+00N 2+50W | 203 | 205 | 335 | 0.6 | 1.15 | 5 | 560 | < 0.5 | 4 | 0.12 | < 0.5 | 5 | 171 | 19 | 1.87 | < 10 | < 1 | 0.21 | 30 | 0.66 | 160 |
| VG 0+00N 2+60W | 203 | 205 | 320 | 0.6 | 1.25 | 5 | 420 | < 0.5 | 2 | 0.29 | 0.5 | 7 | 154 | 23 | 2.14 | 10 | < 1 | 0.21 | 30 | 0.64 | 325 |
| VG 0+00N 2+70W | 203 | 205 | 100 | 0.6 | 1.17 | 10 | 350 | < 0.5 | 2 | 0.15 | 0.5 | 6 | 193 | 19 | 1.91 | 10 | < 1 | 0.22 | 30 | 0.62 | 150 |
| VG 0+00N 2+80W | 203 | 205 | 215 | 1.4 | 1.24 | 10 | 350 | < 0.5 | 2 | 0.28 | < 0.5 | 6 | 170 | 17 | 1.91 | 10 | < 1 | 0.20 | 30 | 0.62 | 195 |
| VG 0+00N 2+90W | 203 | 205 | 185 | 0.6 | 0.95 | 5 | 370 | < 0.5 | 2 | 0.10 | < 0.5 | 3 | 176 | 12 | 1.59 | 10 | < 1 | 0.24 | 40 | 0.49 | 90 |
| VG 0+00N 3+00W | 203 | 205 | 45 | 0.6 | 1.36 | < 5 | 420 | < 0.5 | 2 | 0.22 | 1.0 | 10 | 112 | 25 | 1.81 | 10 | < 1 | 0.22 | 30 | 0.55 | 280 |
| VG 0+00N 3+10W | 203 | 205 | 60 | 0.6 | 1.09 | 5 | 350 | < 0.5 | 2 | 0.16 | < 0.5 | 5 | 222 | 13 | 1.85 | 10 | < 1 | 0.21 | 30 | 0.55 | 130 |
| VG 0+00N 3+20W | 203 | 205 | 75 | 0.4 | 1.15 | 5 | 300 | < 0.5 | 4 | 0.15 | < 0.5 | 5 | 181 | 14 | 1.83 | < 10 | < 1 | 0.17 | 20 | 0.62 | 115 |
| VG 0+00N 3+30W | 203 | 205 | 170 | 0.4 | 1.38 | 5 | 410 | < 0.5 | < 2 | 0.26 | 0.5 | 11 | 152 | 20 | 2.39 | 10 | < 1 | 0.22 | 30 | 0.92 | 275 |
| VG 0+00N 3+40W | 203 | 205 | 30 | 0.8 | 1.21 | 10 | 550 | < 0.5 | < 2 | 0.27 | 0.5 | 11 | 95 | 18 | 2.33 | 10 | < 1 | 0.23 | 30 | 0.67 | 395 |
| VG 0+00N 3+50W | 203 | 205 | 90 | 1.0 | 1.20 | 10 | 850 | < 0.5 | 2 | 0.19 | 0.5 | 12 | 107 | 26 | 2.92 | 10 | < 1 | 0.28 | 40 | 0.54 | 335 |
| VG 0+00N 3+60W | 203 | 205 | 185 | 1.0 | 1.28 | 10 | 370 | 0.5 | 2 | 0.11 | 1.0 | 32 | 148 | 24 | 2.67 | 10 | < 1 | 0.25 | 30 | 0.74 | 1490 |
| VG 0+00N 3+70W | 203 | 205 | 55 | 0.4 | 1.23 | 5 | 320 | < 0.5 | 2 | 0.10 | 0.5 | 7 | 195 | 15 | 2.45 | < 10 | < 1 | 0.23 | 30 | 0.50 | 180 |

CERTIFICATION: B. Caryl

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

[redacted]: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAWSON
Comments: CC: A. TROUP

Page [redacted]er : 4-B
Total P[redacted] : 6
Invoice Date: 14-OCT-90
Invoice No. : I-9024267
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024267

| SAMPLE DESCRIPTION | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OPC 0+00N 1+90W | 203 205 | < 1 | 0.01 | 7 | 370 | 12 | < 5 | 2 | 24 | 0.06 | < 10 | < 10 | 28 | < 10 | 42 |
| OPC 0+00N 2+10W | 203 205 | < 1 | 0.02 | 13 | 620 | 14 | < 5 | 5 | 53 | 0.07 | < 10 | < 10 | 43 | < 10 | 64 |
| VG 0+00N 0+00W | 203 205 | 1 | 0.01 | 14 | 540 | 60 | < 5 | 3 | 24 | 0.04 | < 10 | < 10 | 30 | < 10 | 174 |
| VG 0+00N 0+10W | 203 205 | 2 | 0.01 | 29 | 880 | 28 | < 5 | 6 | 28 | < 0.01 | < 10 | < 10 | 27 | < 10 | 374 |
| VG 0+00N 0+20W | 203 205 | < 1 | < 0.01 | 15 | 720 | 24 | < 5 | 3 | 18 | 0.01 | < 10 | < 10 | 18 | < 10 | 172 |
| VG 0+00N 0+30W | 203 205 | < 1 | < 0.01 | 8 | 570 | 20 | < 5 | 2 | 14 | < 0.01 | < 10 | < 10 | 7 | < 10 | 164 |
| VG 0+00N 0+40W | 203 205 | < 1 | 0.01 | 10 | 380 | 30 | < 5 | 2 | 17 | 0.03 | < 10 | < 10 | 21 | < 10 | 96 |
| VG 0+00N 0+50W | 203 205 | 2 | 0.03 | 10 | 280 | 44 | < 5 | 1 | 26 | 0.01 | < 10 | < 10 | 15 | < 10 | 94 |
| VG 0+00N 0+60W | 203 205 | < 1 | < 0.01 | 3 | 230 | 30 | < 5 | 1 | 12 | 0.01 | < 10 | < 10 | 7 | < 10 | 66 |
| VG 0+00N 0+70W | 203 205 | < 1 | 0.01 | 5 | 270 | 26 | < 5 | 1 | 13 | 0.01 | < 10 | < 10 | 7 | < 10 | 72 |
| VG 0+00N 0+80W | 203 205 | 1 | 0.01 | 6 | 300 | 40 | < 5 | 1 | 14 | 0.01 | < 10 | < 10 | 12 | < 10 | 82 |
| VG 0+00N 0+90W | 203 205 | 1 | 0.01 | 8 | 310 | 44 | < 5 | 1 | 17 | 0.01 | < 10 | < 10 | 13 | < 10 | 104 |
| VG 0+00N 1+00W | 203 205 | 1 | 0.01 | 6 | 260 | 48 | < 5 | 2 | 26 | 0.01 | < 10 | < 10 | 9 | < 10 | 128 |
| VG 0+00N 1+10W | 203 205 | < 1 | < 0.01 | 4 | 220 | 34 | < 5 | 2 | 21 | < 0.01 | < 10 | < 10 | 4 | < 10 | 106 |
| VG 0+00N 1+20W | 203 205 | 1 | 0.01 | 10 | 390 | 60 | < 5 | 1 | 18 | 0.02 | < 10 | < 10 | 18 | < 10 | 106 |
| VG 0+00N 1+30W | 203 205 | 1 | 0.01 | 8 | 280 | 50 | < 5 | 2 | 27 | < 0.01 | < 10 | < 10 | 8 | < 10 | 118 |
| VG 0+00N 1+40W | 203 205 | < 1 | 0.01 | 6 | 260 | 42 | < 5 | 2 | 20 | 0.01 | < 10 | < 10 | 11 | < 10 | 88 |
| VG 0+00N 1+50W | 203 205 | < 1 | 0.01 | 6 | 240 | 34 | < 5 | 1 | 30 | 0.01 | < 10 | < 10 | 8 | < 10 | 88 |
| VG 0+00N 1+60W | 203 205 | < 1 | 0.01 | 5 | 240 | 32 | < 5 | 1 | 29 | 0.01 | < 10 | < 10 | 8 | < 10 | 78 |
| VG 0+00N 1+70W | 203 205 | 1 | 0.02 | 10 | 350 | 46 | < 5 | 2 | 15 | 0.02 | < 10 | < 10 | 19 | < 10 | 96 |
| VG 0+00N 1+80W | 203 205 | 2 | 0.01 | 12 | 270 | 44 | < 5 | 3 | 11 | < 0.01 | < 10 | < 10 | 4 | < 10 | 166 |
| VG 0+00N 1+90W | 203 205 | 2 | 0.01 | 6 | 350 | 40 | < 5 | 2 | 14 | 0.01 | < 10 | < 10 | 20 | < 10 | 100 |
| VG 0+00N 2+00W | 203 205 | < 1 | 0.01 | 11 | 500 | 44 | < 5 | 2 | 23 | 0.02 | < 10 | < 10 | 19 | < 10 | 150 |
| VG 0+00N 2+10W | 203 205 | 1 | 0.01 | 10 | 450 | 30 | < 5 | 1 | 17 | 0.03 | < 10 | < 10 | 23 | < 10 | 92 |
| VG 0+00N 2+20W | 203 205 | < 1 | 0.02 | 10 | 510 | 38 | < 5 | 1 | 20 | 0.02 | < 10 | < 10 | 17 | < 10 | 114 |
| VG 0+00N 2+30W | 203 205 | < 1 | < 0.01 | 8 | 430 | 24 | < 5 | 1 | 19 | < 0.01 | < 10 | < 10 | 6 | < 10 | 180 |
| VG 0+00N 2+40W | 203 205 | < 1 | 0.02 | 22 | 460 | 50 | < 5 | 2 | 33 | 0.04 | < 10 | < 10 | 23 | < 10 | 308 |
| VG 0+00N 2+50W | 203 205 | 1 | 0.01 | 13 | 360 | 66 | < 5 | 2 | 20 | 0.02 | < 10 | < 10 | 18 | < 10 | 150 |
| VG 0+00N 2+60W | 203 205 | < 1 | 0.02 | 16 | 480 | 52 | < 5 | 3 | 28 | 0.04 | < 10 | < 10 | 29 | < 10 | 126 |
| VG 0+00N 2+70W | 203 205 | 1 | 0.01 | 14 | 400 | 58 | < 5 | 2 | 20 | 0.02 | < 10 | < 10 | 20 | < 10 | 136 |
| VG 0+00N 2+80W | 203 205 | 1 | 0.02 | 14 | 460 | 48 | < 5 | 2 | 27 | 0.04 | < 10 | < 10 | 26 | < 10 | 110 |
| VG 0+00N 2+90W | 203 205 | 1 | 0.01 | 9 | 370 | 50 | < 5 | 1 | 21 | 0.02 | < 10 | < 10 | 16 | < 10 | 112 |
| VG 0+00N 3+00W | 203 205 | < 1 | 0.02 | 21 | 390 | 60 | < 5 | 3 | 32 | 0.04 | < 10 | < 10 | 27 | < 10 | 396 |
| VG 0+00N 3+10W | 203 205 | 1 | 0.02 | 12 | 440 | 36 | < 5 | 2 | 21 | 0.03 | < 10 | < 10 | 22 | < 10 | 110 |
| VG 0+00N 3+20W | 203 205 | 1 | 0.01 | 13 | 440 | 40 | < 5 | 2 | 17 | 0.03 | < 10 | < 10 | 22 | < 10 | 108 |
| VG 0+00N 3+30W | 203 205 | 1 | 0.01 | 19 | 560 | 40 | < 5 | 3 | 29 | 0.04 | < 10 | < 10 | 28 | < 10 | 172 |
| VG 0+00N 3+40W | 203 205 | 1 | 0.01 | 17 | 610 | 32 | < 5 | 4 | 28 | 0.03 | < 10 | < 10 | 26 | < 10 | 180 |
| VG 0+00N 3+50W | 203 205 | 4 | 0.01 | 15 | 640 | 48 | < 5 | 3 | 24 | 0.02 | 10 | < 10 | 21 | < 10 | 254 |
| VG 0+00N 3+60W | 203 205 | 6 | 0.01 | 18 | 460 | 72 | < 5 | 3 | 17 | 0.01 | < 10 | < 10 | 18 | < 10 | 232 |
| VG 0+00N 3+70W | 203 205 | 2 | 0.01 | 11 | 430 | 46 | < 5 | 2 | 15 | 0.01 | < 10 | < 10 | 20 | < 10 | 158 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAWSON
Comments: CC: A. TROUP

Page Number : 5-A
Total Pages : 6
Invoice Date: 14-OCT-90
Invoice No. : I-9024267
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024267

| SAMPLE DESCRIPTION | PREP CODE | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VG 0+00N 3+80W | 203 205 | 25 | 0.6 | 1.31 | 10 | 320 | < 0.5 | < 2 | 0.13 | 0.5 | 8 | 161 | 27 | 3.29 | 10 | < 1 | 0.22 | 30 | 0.46 | 205 |
| VG 0+00N 3+90W | 203 205 | 15 | 0.6 | 1.26 | 15 | 530 | < 0.5 | < 2 | 0.09 | 1.0 | 21 | 187 | 41 | 3.15 | 10 | < 1 | 0.35 | 40 | 0.43 | 1295 |
| VG 0+00N 4+00W | 203 205 | 20 | 0.8 | 1.37 | 15 | 420 | < 0.5 | 2 | 0.10 | 0.5 | 11 | 40 | 33 | 2.68 | 10 | < 1 | 0.54 | 60 | 0.30 | 280 |
| VG 0+00N 4+10W | 203 205 | 10 | 2.6 | 0.62 | 80 | 460 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 175 | 17 | 2.83 | < 10 | < 1 | 0.49 | 20 | 0.14 | 55 |
| VG 0+00N 4+20W | 203 205 | 25 | 1.6 | 0.59 | 70 | 330 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 128 | 12 | 5.17 | 10 | < 1 | 0.53 | 30 | 0.10 | 40 |
| VG 0+00N 4+30W | 203 205 | 25 | 2.6 | 0.77 | 100 | 640 | < 0.5 | < 2 | 0.02 | 1.0 | 1 | 149 | 23 | 4.55 | 10 | < 1 | 0.93 | 20 | 0.19 | 75 |
| VG 0+00N 4+40W | 203 205 | 25 | 2.2 | 2.59 | 210 | 400 | < 0.5 | < 2 | 0.06 | 1.5 | 2 | 94 | 202 | 8.09 | 10 | < 1 | 0.61 | 30 | 2.09 | 300 |
| VG 0+00N 4+50W | 203 205 | 105 | 1.2 | 1.52 | 25 | 370 | < 0.5 | < 2 | 0.07 | 0.5 | 5 | 146 | 73 | 4.92 | < 10 | < 1 | 0.42 | 10 | 0.85 | 195 |
| VG 0+00N 4+60W | 203 205 | 35 | 0.4 | 1.58 | 10 | 340 | < 0.5 | < 2 | 0.07 | < 0.5 | 3 | 321 | 19 | 2.73 | < 10 | < 1 | 0.34 | 20 | 1.16 | 210 |
| VG 0+00N 4+70W | 203 205 | 95 | 0.2 | 1.07 | 5 | 370 | < 0.5 | 2 | 0.07 | < 0.5 | 3 | 587 | 9 | 1.47 | < 10 | < 1 | 0.25 | 30 | 0.52 | 95 |
| VG 0+00N 4+80W | 203 205 | 230 | 1.6 | 2.71 | 10 | 370 | < 0.5 | < 2 | 0.06 | 1.0 | 14 | 200 | 61 | 5.03 | < 10 | < 1 | 0.34 | 10 | 2.81 | 465 |
| VG 0+00N 4+90W | 203 205 | 135 | < 0.2 | 1.09 | 5 | 240 | < 0.5 | < 2 | 0.15 | < 0.5 | 3 | 436 | 7 | 1.58 | < 10 | < 1 | 0.12 | 20 | 0.31 | 80 |
| VG 0+00N 5+00W | 203 205 | 35 | 0.2 | 1.20 | 5 | 460 | < 0.5 | 2 | 0.10 | < 0.5 | 5 | 502 | 19 | 1.93 | < 10 | < 1 | 0.19 | 20 | 0.64 | 125 |
| VG 0+00N 5+10W | 203 205 | 15 | 0.2 | 1.23 | < 5 | 270 | < 0.5 | < 2 | 0.12 | < 0.5 | 3 | 248 | 7 | 1.99 | < 10 | < 1 | 0.15 | 20 | 0.57 | 150 |
| VG 0+00N 5+20W | 203 205 | 60 | 0.4 | 1.05 | 5 | 640 | < 0.5 | 2 | 0.17 | 0.5 | 7 | 417 | 22 | 2.09 | < 10 | < 1 | 0.12 | 20 | 0.53 | 125 |
| VG 0+00N 5+30W | 203 205 | 25 | 0.2 | 1.18 | < 5 | 500 | < 0.5 | < 2 | 0.60 | 6.0 | 10 | 123 | 22 | 2.24 | 10 | < 1 | 0.15 | 20 | 0.67 | 455 |
| VG 0+00N 5+40W | 203 205 | 10 | 0.2 | 0.70 | < 5 | 310 | < 0.5 | < 2 | 0.14 | 0.5 | 2 | 351 | 4 | 1.17 | < 10 | < 1 | 0.13 | 20 | 0.26 | 80 |
| VG 0+00N 5+50W | 203 205 | 40 | 3.0 | 0.69 | < 5 | 300 | < 0.5 | < 2 | 0.08 | < 0.5 | 2 | 427 | 3 | 1.12 | < 10 | < 1 | 0.12 | 20 | 0.25 | 65 |
| VG 0+00N 5+60W | 203 205 | 20 | < 0.2 | 0.81 | 5 | 370 | < 0.5 | < 2 | 0.10 | < 0.5 | 2 | 307 | 4 | 1.10 | < 10 | < 1 | 0.18 | 30 | 0.29 | 70 |
| VG 0+00N 5+70W | 203 205 | 30 | 0.2 | 0.95 | < 5 | 380 | < 0.5 | < 2 | 0.13 | < 0.5 | 2 | 396 | 5 | 1.30 | < 10 | < 1 | 0.18 | 30 | 0.31 | 80 |
| VG 0+00N 5+80W | 203 205 | 50 | < 0.2 | 0.70 | < 5 | 290 | < 0.5 | < 2 | 0.09 | < 0.5 | 1 | 344 | 2 | 0.91 | < 10 | < 1 | 0.13 | 20 | 0.26 | 65 |
| VG 0+00N 5+90W | 203 205 | 155 | 1.0 | 0.58 | 10 | 1060 | < 0.5 | < 2 | 0.07 | < 0.5 | 2 | 179 | 11 | 0.93 | < 10 | < 1 | 0.22 | 40 | 0.18 | 50 |
| VG 0+00N 6+00W | 203 205 | 20 | 0.8 | 1.16 | < 5 | 280 | < 0.5 | 2 | 0.15 | < 0.5 | 3 | 355 | 9 | 1.56 | 10 | < 1 | 0.12 | 20 | 0.41 | 100 |
| VG 0+00N 6+10W | 203 205 | 35 | 1.4 | 0.79 | < 5 | 590 | < 0.5 | 2 | 0.10 | < 0.5 | 2 | 194 | 8 | 1.14 | 10 | < 1 | 0.22 | 50 | 0.35 | 80 |
| VG 0+00N 6+20W | 203 205 | 15 | 1.2 | 0.75 | 5 | 560 | < 0.5 | < 2 | 0.06 | < 0.5 | 2 | 192 | 7 | 1.07 | 10 | < 1 | 0.28 | 40 | 0.30 | 60 |
| VG 0+00N 6+30W | 203 205 | 40 | 1.2 | 1.46 | 5 | 440 | < 0.5 | < 2 | 0.11 | < 0.5 | 3 | 267 | 9 | 1.81 | 10 | < 1 | 0.24 | 30 | 0.87 | 135 |
| VG 0+00N 6+40W | 203 205 | 25 | 1.4 | 0.99 | < 5 | 520 | < 0.5 | 4 | 0.08 | < 0.5 | 3 | 226 | 6 | 1.23 | 10 | < 1 | 0.28 | 40 | 0.51 | 85 |
| VG 0+00N 6+50W | 203 205 | < 5 | 1.2 | 1.05 | 5 | 360 | < 0.5 | 2 | 0.07 | < 0.5 | 3 | 234 | 10 | 1.68 | 10 | < 1 | 0.27 | 30 | 0.56 | 125 |
| VG 0+00N 6+60W | 203 205 | 15 | 1.4 | 1.50 | < 5 | 600 | < 0.5 | 2 | 0.13 | 0.5 | 6 | 232 | 17 | 2.29 | 10 | < 1 | 0.23 | 30 | 1.00 | 215 |
| VG 0+00N 6+70W | 203 205 | 30 | 1.2 | 1.17 | 5 | 550 | < 0.5 | 2 | 0.07 | 0.5 | 5 | 196 | 16 | 2.14 | 10 | < 1 | 0.23 | 30 | 0.79 | 200 |
| VG 0+00N 6+80W | 203 205 | 55 | 1.4 | 1.91 | < 5 | 640 | < 0.5 | 4 | 0.17 | 0.5 | 6 | 243 | 20 | 2.46 | 10 | < 1 | 0.23 | 30 | 1.18 | 255 |
| VG 0+00N 6+90W | 203 205 | 30 | 1.0 | 0.84 | 5 | 390 | < 0.5 | 2 | 0.13 | < 0.5 | 4 | 171 | 8 | 1.49 | 10 | < 1 | 0.26 | 40 | 0.26 | 100 |
| VG 0+00N 7+00W | 203 205 | 60 | 0.8 | 1.18 | 10 | 390 | < 0.5 | 2 | 0.08 | 0.5 | 5 | 265 | 12 | 1.75 | 10 | < 1 | 0.37 | 30 | 0.48 | 220 |
| VG 0+00N 7+10W | 203 205 | 15 | 1.0 | 0.94 | < 5 | 250 | < 0.5 | 2 | 0.06 | < 0.5 | 3 | 222 | 9 | 1.45 | 10 | < 1 | 0.30 | 30 | 0.35 | 140 |
| VG 0+00N 7+20W | 203 205 | 55 | 1.6 | 2.26 | 20 | 320 | < 0.5 | < 2 | 0.07 | 1.0 | 5 | 169 | 47 | 3.76 | 10 | < 1 | 0.37 | 20 | 1.59 | 255 |
| VG 0+00N 7+30W | 203 205 | 145 | 1.8 | 2.12 | 20 | 420 | < 0.5 | < 2 | 0.06 | 1.5 | 6 | 108 | 56 | 4.30 | 10 | < 1 | 0.41 | 20 | 1.56 | 325 |
| VG 0+00N 7+50W | 203 205 | 105 | 1.8 | 2.58 | 10 | 390 | < 0.5 | < 2 | 0.13 | 2.5 | 13 | 177 | 70 | 4.50 | 10 | < 1 | 0.38 | 20 | 2.06 | 435 |
| VG 0+00N 7+60W | 203 205 | 60 | 1.4 | 2.41 | 20 | 320 | < 0.5 | < 2 | 0.13 | 2.0 | 12 | 316 | 73 | 3.58 | 10 | < 1 | 0.27 | 20 | 1.90 | 440 |
| VG 0+00N 7+70W | 203 205 | 110 | 1.6 | 2.39 | 15 | 280 | < 0.5 | < 2 | 0.13 | 2.5 | 18 | 197 | 87 | 3.83 | 10 | < 1 | 0.30 | 20 | 1.91 | 510 |
| VG 0+00N 7+80W | 203 205 | 30 | 0.8 | 1.42 | 10 | 290 | < 0.5 | 2 | 0.12 | < 0.5 | 4 | 311 | 21 | 2.13 | 10 | < 1 | 0.19 | 20 | 0.68 | 120 |

CERTIFICATION: B. Caglioni

# Chemex Labs Ltd.

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PHONE: 604-984-0221

To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAWSON
Comments: CC: A. TROUP


Invoice Date: 14-OCT-90
Invoice No. : I-9024267
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024267

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VG 0+00N 3+80W | 203 | 205 | 5 | 0.01 | 14 | 540 | 48 | < 5 | 2 | 17 | 0.01 | < 10 | < 10 | 19 | < 10 | 250 |
| VG 0+00N 3+90W | 203 | 205 | 12 | 0.01 | 17 | 610 | 64 | < 5 | 2 | 25 | 0.01 | < 10 | < 10 | 11 | < 10 | 288 |
| VG 0+00N 4+00W | 203 | 205 | 3 | < 0.01 | 14 | 710 | 38 | < 5 | 2 | 20 | < 0.01 | < 10 | < 10 | 3 | < 10 | 304 |
| VG 0+00N 4+10W | 203 | 205 | 8 | 0.05 | 5 | 520 | 452 | 5 | 1 | 144 | < 0.01 | < 10 | < 10 | 7 | < 10 | 104 |
| VG 0+00N 4+20W | 203 | 205 | 8 | 0.37 | 2 | 540 | 206 | < 5 | 1 | 238 | < 0.01 | < 10 | < 10 | 3 | < 10 | 38 |
| VG 0+00N 4+30W | 203 | 205 | 6 | 0.05 | 5 | 750 | 514 | 5 | 2 | 283 | < 0.01 | < 10 | < 10 | 7 | < 10 | 68 |
| VG 0+00N 4+40W | 203 | 205 | 2 | 0.07 | 13 | 1670 | 650 | 5 | 7 | 558 | < 0.01 | < 10 | < 10 | 55 | < 10 | 312 |
| VG 0+00N 4+50W | 203 | 205 | 3 | 0.03 | 10 | 720 | 226 | 5 | 2 | 130 | 0.01 | < 10 | < 10 | 13 | < 10 | 320 |
| VG 0+00N 4+60W | 203 | 205 | 3 | 0.03 | 11 | 440 | 76 | 5 | 2 | 39 | 0.01 | < 10 | < 10 | 30 | < 10 | 154 |
| VG 0+00N 4+70W | 203 | 205 | 1 | 0.03 | 12 | 250 | 24 | < 5 | 1 | 17 | 0.01 | < 10 | < 10 | 15 | < 10 | 78 |
| VG 0+00N 4+80W | 203 | 205 | 7 | 0.02 | 29 | 480 | 120 | < 5 | 4 | 69 | 0.01 | < 10 | < 10 | 25 | < 10 | 416 |
| VG 0+00N 4+90W | 203 | 205 | < 1 | 0.02 | 11 | 350 | 24 | < 5 | 2 | 18 | 0.04 | < 10 | < 10 | 18 | < 10 | 54 |
| VG 0+00N 5+00W | 203 | 205 | 2 | 0.02 | 18 | 280 | 32 | < 5 | 2 | 17 | 0.02 | < 10 | < 10 | 23 | < 10 | 108 |
| VG 0+00N 5+10W | 203 | 205 | 1 | 0.01 | 9 | 380 | 42 | < 5 | 2 | 21 | 0.04 | < 10 | < 10 | 28 | < 10 | 88 |
| VG 0+00N 5+20W | 203 | 205 | 4 | 0.02 | 19 | 380 | 46 | < 5 | 2 | 24 | 0.03 | < 10 | < 10 | 20 | < 10 | 104 |
| VG 0+00N 5+30W | 203 | 205 | < 1 | 0.03 | 22 | 620 | 10 | < 5 | 3 | 35 | 0.08 | < 10 | < 10 | 43 | < 10 | 152 |
| VG 0+00N 5+40W | 203 | 205 | 1 | 0.02 | 10 | 320 | 10 | < 5 | 1 | 15 | 0.03 | < 10 | < 10 | 16 | < 10 | 44 |
| VG 0+00N 5+50W | 203 | 205 | < 1 | 0.02 | 9 | 250 | 12 | < 5 | 1 | 13 | 0.02 | < 10 | < 10 | 11 | < 10 | 54 |
| VG 0+00N 5+60W | 203 | 205 | 1 | 0.02 | 8 | 250 | 22 | < 5 | 1 | 14 | 0.03 | < 10 | < 10 | 15 | < 10 | 52 |
| VG 0+00N 5+70W | 203 | 205 | 2 | 0.02 | 10 | 310 | 26 | < 5 | 1 | 18 | 0.03 | < 10 | < 10 | 15 | < 10 | 62 |
| VG 0+00N 5+80W | 203 | 205 | < 1 | 0.02 | 8 | 200 | 12 | < 5 | 1 | 13 | 0.02 | < 10 | < 10 | 10 | < 10 | 38 |
| VG 0+00N 5+90W | 203 | 205 | 35 | 0.02 | 7 | 160 | 82 | < 5 | 1 | 13 | 0.01 | < 10 | < 10 | 9 | < 10 | 54 |
| VG 0+00N 6+00W | 203 | 205 | < 1 | 0.01 | 11 | 410 | 24 | < 5 | 2 | 20 | 0.03 | < 10 | < 10 | 16 | < 10 | 76 |
| VG 0+00N 6+10W | 203 | 205 | 5 | 0.01 | 6 | 270 | 60 | < 5 | 1 | 16 | 0.02 | < 10 | < 10 | 13 | < 10 | 62 |
| VG 0+00N 6+20W | 203 | 205 | 2 | 0.01 | 5 | 200 | 40 | < 5 | 1 | 12 | 0.01 | < 10 | < 10 | 12 | < 10 | 56 |
| VG 0+00N 6+30W | 203 | 205 | 1 | 0.02 | 10 | 390 | 52 | < 5 | 2 | 28 | 0.02 | < 10 | < 10 | 22 | < 10 | 104 |
| VG 0+00N 6+40W | 203 | 205 | 5 | 0.01 | 6 | 260 | 52 | < 5 | 1 | 17 | 0.01 | < 10 | < 10 | 14 | < 10 | 72 |
| VG 0+00N 6+50W | 203 | 205 | 2 | 0.02 | 6 | 310 | 64 | < 5 | 1 | 16 | 0.01 | < 10 | < 10 | 18 | < 10 | 88 |
| VG 0+00N 6+60W | 203 | 205 | 1 | 0.02 | 12 | 480 | 68 | < 5 | 2 | 27 | 0.02 | < 10 | < 10 | 22 | < 10 | 146 |
| VG 0+00N 6+70W | 203 | 205 | 1 | 0.01 | 9 | 370 | 80 | < 5 | 1 | 23 | 0.01 | < 10 | < 10 | 17 | < 10 | 140 |
| VG 0+00N 6+80W | 203 | 205 | 1 | 0.01 | 15 | 550 | 72 | < 5 | 3 | 35 | 0.03 | < 10 | < 10 | 28 | < 10 | 154 |
| VG 0+00N 6+90W | 203 | 205 | 2 | 0.02 | 7 | 300 | 40 | < 5 | 1 | 14 | 0.02 | < 10 | < 10 | 15 | < 10 | 70 |
| VG 0+00N 7+00W | 203 | 205 | 1 | 0.02 | 8 | 290 | 54 | < 5 | 1 | 19 | 0.01 | < 10 | < 10 | 16 | < 10 | 92 |
| VG 0+00N 7+10W | 203 | 205 | 1 | 0.04 | 6 | 240 | 66 | < 5 | 1 | 13 | 0.01 | < 10 | < 10 | 16 | < 10 | 78 |
| VG 0+00N 7+20W | 203 | 205 | 2 | 0.02 | 19 | 640 | 154 | < 5 | 3 | 84 | 0.01 | < 10 | < 10 | 31 | < 10 | 260 |
| VG 0+00N 7+30W | 203 | 205 | 3 | 0.05 | 15 | 760 | 170 | < 5 | 3 | 144 | < 0.01 | < 10 | < 10 | 21 | < 10 | 274 |
| VG 0+00N 7+50W | 203 | 205 | 2 | 0.03 | 34 | 670 | 174 | < 5 | 5 | 111 | 0.01 | < 10 | < 10 | 38 | < 10 | 346 |
| VG 0+00N 7+60W | 203 | 205 | 1 | 0.02 | 36 | 430 | 116 | 5 | 6 | 26 | 0.03 | < 10 | < 10 | 42 | < 10 | 254 |
| VG 0+00N 7+70W | 203 | 205 | 1 | 0.01 | 48 | 320 | 108 | < 5 | 6 | 15 | 0.02 | < 10 | < 10 | 34 | < 10 | 434 |
| VG 0+00N 7+80W | 203 | 205 | < 1 | 0.01 | 15 | 420 | 60 | < 5 | 2 | 16 | 0.03 | < 10 | < 10 | 25 | < 10 | 114 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PHONE: 604-984-0221

To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAWSON
Comments: CC: A. TROUP


Invoice Date: 14-OCT-90
Invoice No. : I-9024267
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024267

| SAMPLE DESCRIPTION | PREP CODE | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VG 0+00N 7+90W | 203 205 | 55 | 0.8 | 1.12 | 5 | 270 | < 0.5 | < 2 | 0.08 | < 0.5 | 3 | 188 | 18 | 1.96 | 10 | < 1 | 0.24 | 30 | 0.33 | 100 |
| VG 0+00N 8+00W | 203 205 | 25 | 0.4 | 1.00 | < 5 | 250 | < 0.5 | 4 | 0.09 | < 0.5 | 2 | 420 | 11 | 1.89 | < 10 | < 1 | 0.18 | 20 | 0.37 | 80 |
| VG 0+00N 8+10W | 203 205 | 25 | 0.2 | 1.19 | 10 | 250 | < 0.5 | < 2 | 0.13 | < 0.5 | 5 | 185 | 11 | 1.90 | < 10 | < 1 | 0.15 | 20 | 0.34 | 185 |
| VG 0+00N 8+20W | 203 205 | 15 | < 0.2 | 1.07 | 5 | 240 | < 0.5 | < 2 | 0.12 | < 0.5 | 3 | 251 | 12 | 1.77 | < 10 | < 1 | 0.12 | 20 | 0.29 | 75 |
| VG 0+00N 8+30W | 203 205 | 70 | 0.6 | 1.17 | 5 | 210 | < 0.5 | < 2 | 0.15 | < 0.5 | 3 | 175 | 7 | 1.86 | 10 | < 1 | 0.16 | 20 | 0.34 | 90 |
| VG 0+00N 8+40W | 203 205 | 15 | 0.4 | 1.58 | 5 | 360 | < 0.5 | < 2 | 0.20 | < 0.5 | 4 | 283 | 9 | 1.80 | 10 | < 1 | 0.21 | 20 | 0.33 | 100 |
| VG 0+00N 8+50W | 203 205 | 25 | 0.4 | 1.55 | 5 | 320 | < 0.5 | < 2 | 0.17 | < 0.5 | 3 | 289 | 10 | 1.97 | 10 | < 1 | 0.20 | 30 | 0.36 | 90 |
| VG 0+00N 8+60W | 203 205 | 25 | 0.2 | 1.02 | 5 | 210 | < 0.5 | < 2 | 0.14 | < 0.5 | 2 | 316 | 4 | 1.32 | < 10 | < 1 | 0.14 | 30 | 0.27 | 80 |
| VG 0+00N 8+70W | 203 205 | 15 | 0.2 | 1.08 | < 5 | 250 | < 0.5 | < 2 | 0.16 | < 0.5 | 3 | 389 | 7 | 1.55 | < 10 | < 1 | 0.14 | 20 | 0.28 | 95 |
| VG 0+00N 8+80W | 203 205 | 15 | 0.8 | 0.72 | 60 | 180 | 1.0 | < 2 | 0.13 | < 0.5 | 2 | 184 | 7 | 1.00 | 10 | 1 | 0.10 | 10 | 0.17 | 55 |
| VG 0+00N 8+90W | 203 205 | 25 | 0.2 | 1.31 | < 5 | 240 | < 0.5 | < 2 | 0.16 | 0.5 | 3 | 215 | 9 | 1.87 | < 10 | < 1 | 0.13 | 20 | 0.34 | 85 |
| VG 0+00N 9+00W | 203 205 | 15 | 0.2 | 1.22 | < 5 | 270 | < 0.5 | < 2 | 0.18 | 0.5 | 3 | 513 | 8 | 1.97 | < 10 | < 1 | 0.14 | 20 | 0.33 | 110 |
| VG 0+00N 9+10W | 203 205 | 10 | 0.4 | 1.50 | < 5 | 390 | < 0.5 | < 2 | 0.29 | 0.5 | 5 | 329 | 10 | 2.39 | 10 | < 1 | 0.18 | 20 | 0.35 | 115 |
| VG 0+00N 9+20W | 203 205 | 10 | 30.0 | 1.51 | < 5 | 340 | < 0.5 | < 2 | 0.21 | 0.5 | 4 | 223 | 11 | 2.11 | < 10 | < 1 | 0.16 | 20 | 0.41 | 105 |
| VG 0+00N 9+30W | 203 205 | 20 | 0.2 | 0.96 | < 5 | 170 | < 0.5 | < 2 | 0.14 | < 0.5 | 2 | 184 | 4 | 1.28 | < 10 | < 1 | 0.13 | 20 | 0.34 | 80 |
| VG 0+00N 9+40W | 203 205 | 25 | < 0.2 | 1.20 | < 5 | 240 | < 0.5 | < 2 | 0.16 | 0.5 | 3 | 207 | 7 | 1.75 | < 10 | < 1 | 0.14 | 20 | 0.38 | 95 |
| VG 0+00N 9+50W | 203 205 | 65 | 0.2 | 1.24 | < 5 | 280 | < 0.5 | < 2 | 0.17 | < 0.5 | 4 | 255 | 9 | 1.83 | < 10 | < 1 | 0.15 | 20 | 0.39 | 100 |
| VG 0+00N 9+60W | 203 205 | 20 | 0.2 | 1.45 | < 5 | 270 | < 0.5 | < 2 | 0.16 | 0.5 | 3 | 173 | 6 | 1.84 | < 10 | < 1 | 0.16 | 20 | 0.39 | 95 |
| VG 0+00N 9+70W | 203 205 | 10 | 0.4 | 1.39 | < 5 | 300 | < 0.5 | < 2 | 0.19 | 0.5 | 3 | 279 | 11 | 2.21 | < 10 | < 1 | 0.15 | 20 | 0.35 | 110 |
| VG 0+00N 9+80W | 203 205 | 10 | 0.2 | 1.19 | < 5 | 240 | < 0.5 | < 2 | 0.18 | < 0.5 | 3 | 224 | 8 | 1.67 | < 10 | < 1 | 0.14 | 20 | 0.33 | 95 |
| VG 0+00N 9+90W | 203 205 | 25 | 0.6 | 1.18 | < 5 | 340 | < 0.5 | < 2 | 0.30 | < 0.5 | 4 | 263 | 11 | 2.14 | 10 | < 1 | 0.15 | 10 | 0.26 | 125 |
| VG 0+00N 10+00W | 203 205 | 15 | 0.6 | 1.43 | < 5 | 260 | < 0.5 | 4 | 0.21 | < 0.5 | 4 | 343 | 7 | 1.61 | 10 | < 1 | 0.19 | 20 | 0.42 | 120 |
| VG 0+00N 10+10W | 203 205 | 10 | 0.2 | 1.30 | < 5 | 240 | < 0.5 | 2 | 0.18 | < 0.5 | 3 | 246 | 9 | 1.69 | < 10 | < 1 | 0.16 | 20 | 0.37 | 95 |
| VG 0+00N 10+20W | 203 205 | 15 | 0.4 | 1.19 | < 5 | 210 | < 0.5 | 2 | 0.15 | < 0.5 | 2 | 297 | 5 | 1.35 | 10 | < 1 | 0.18 | 20 | 0.31 | 80 |
| VG 0+00N 10+30W | 203 205 | < 5 | 0.2 | 1.19 | < 5 | 250 | < 0.5 | 2 | 0.19 | < 0.5 | 4 | 263 | 8 | 1.45 | 10 | < 1 | 0.16 | 20 | 0.30 | 90 |
| VG 0+00N 10+40W | 203 205 | 15 | 0.2 | 1.11 | < 5 | 240 | < 0.5 | < 2 | 0.19 | < 0.5 | 3 | 289 | 7 | 1.52 | < 10 | < 1 | 0.15 | 20 | 0.28 | 85 |
| VG 0+00N 10+50W | 203 205 | 15 | 0.2 | 1.22 | 5 | 240 | < 0.5 | < 2 | 0.18 | < 0.5 | 3 | 301 | 6 | 1.49 | 10 | < 1 | 0.17 | 20 | 0.33 | 90 |
| VG 0+00N 10+60W | 203 205 | 30 | 0.4 | 1.48 | < 5 | 280 | < 0.5 | < 2 | 0.20 | < 0.5 | 3 | 213 | 6 | 1.45 | 10 | < 1 | 0.21 | 30 | 0.39 | 105 |
| VG 0+00N 10+70W | 203 205 | 15 | 0.4 | 1.09 | < 5 | 260 | < 0.5 | 2 | 0.22 | < 0.5 | 3 | 208 | 10 | 1.69 | 10 | < 1 | 0.14 | 20 | 0.29 | 95 |
| VG 0+00N 10+80W | 203 205 | 15 | 0.4 | 1.06 | 5 | 250 | < 0.5 | 2 | 0.18 | < 0.5 | 3 | 299 | 6 | 1.50 | 10 | < 1 | 0.16 | 20 | 0.25 | 95 |
| VG 0+00N 10+90W | 203 205 | 10 | 0.4 | 1.06 | < 5 | 300 | < 0.5 | 2 | 0.22 | < 0.5 | 3 | 238 | 7 | 1.43 | 10 | < 1 | 0.14 | 20 | 0.23 | 95 |
| VG 0+00N 11+00W | 203 205 | 20 | 0.8 | 1.19 | 5 | 250 | < 0.5 | 2 | 0.18 | < 0.5 | 3 | 170 | 5 | 1.34 | 10 | < 1 | 0.17 | 20 | 0.29 | 85 |
| VG 0+00N 11+10W | 203 205 | 10 | 0.6 | 1.28 | < 5 | 260 | < 0.5 | 2 | 0.18 | < 0.5 | 2 | 251 | 5 | 1.20 | 10 | < 1 | 0.19 | 20 | 0.29 | 85 |
| VG 0+00N 11+20W | 203 205 | 20 | 0.8 | 1.35 | < 5 | 250 | 0.5 | 2 | 0.16 | < 0.5 | 2 | 198 | 2 | 1.14 | 10 | < 1 | 0.26 | 30 | 0.35 | 90 |

CERTIFICATION: B. Caughlin

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Project : AOR-DAWSON
Comments: CC: A. TROUP

Page [redacted]er : 6-B
Total P[redacted]s : 6
Invoice Date: 14-OCT-90
Invoice No. : I-9024267
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024267

| SAMPLE DESCRIPTION | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VG 0+00N 7+90W | 203 205 | 1 | 0.01 | 8 | 380 | 68 | < 5 | 1 | 15 | 0.02 | < 10 | < 10 | 19 | < 10 | 82 |
| VG 0+00N 8+00W | 203 205 | 1 | 0.03 | 9 | 410 | 40 | < 5 | 1 | 17 | 0.02 | < 10 | < 10 | 16 | < 10 | 68 |
| VG 0+00N 8+10W | 203 205 | 1 | 0.01 | 10 | 430 | 42 | < 5 | 2 | 14 | 0.04 | < 10 | < 10 | 26 | < 10 | 66 |
| VG 0+00N 8+20W | 203 205 | < 1 | 0.01 | 9 | 420 | 38 | < 5 | 1 | 14 | 0.03 | 10 | < 10 | 26 | < 10 | 52 |
| VG 0+00N 8+30W | 203 205 | 1 | 0.01 | 8 | 440 | 38 | < 5 | 2 | 15 | 0.05 | 10 | < 10 | 33 | < 10 | 56 |
| VG 0+00N 8+40W | 203 205 | < 1 | 0.02 | 11 | 560 | 32 | < 5 | 2 | 22 | 0.05 | < 10 | < 10 | 25 | < 10 | 64 |
| VG 0+00N 8+50W | 203 205 | 1 | 0.02 | 11 | 440 | 44 | < 5 | 2 | 20 | 0.06 | < 10 | < 10 | 32 | < 10 | 58 |
| VG 0+00N 8+60W | 203 205 | < 1 | 0.02 | 8 | 330 | 20 | < 5 | 1 | 16 | 0.04 | < 10 | < 10 | 21 | < 10 | 42 |
| VG 0+00N 8+70W | 203 205 | < 1 | 0.02 | 10 | 420 | 18 | < 5 | 1 | 17 | 0.04 | < 10 | < 10 | 22 | < 10 | 48 |
| VG 0+00N 8+80W | 203 205 | < 1 | < 0.01 | 11 | 310 | < 2 | 30 | 1 | 13 | 0.02 | 50 | 10 | 14 | < 10 | 40 |
| VG 0+00N 8+90W | 203 205 | < 1 | 0.01 | 10 | 410 | 22 | < 5 | 2 | 17 | 0.04 | < 10 | < 10 | 24 | < 10 | 58 |
| VG 0+00N 9+00W | 203 205 | < 1 | 0.02 | 12 | 430 | 18 | < 5 | 2 | 19 | 0.04 | < 10 | < 10 | 24 | < 10 | 62 |
| VG 0+00N 9+10W | 203 205 | < 1 | 0.02 | 13 | 640 | 24 | < 5 | 2 | 31 | 0.04 | < 10 | < 10 | 23 | < 10 | 104 |
| VG 0+00N 9+20W | 203 205 | < 1 | 0.01 | 12 | 600 | 24 | < 5 | 2 | 24 | 0.04 | < 10 | < 10 | 23 | < 10 | 78 |
| VG 0+00N 9+30W | 203 205 | < 1 | 0.01 | 7 | 340 | 12 | < 5 | 1 | 14 | 0.04 | < 10 | < 10 | 19 | < 10 | 48 |
| VG 0+00N 9+40W | 203 205 | < 1 | 0.01 | 10 | 360 | 18 | < 5 | 1 | 17 | 0.04 | < 10 | < 10 | 24 | < 10 | 58 |
| VG 0+00N 9+50W | 203 205 | < 1 | 0.02 | 10 | 370 | 16 | < 5 | 2 | 18 | 0.04 | < 10 | < 10 | 27 | < 10 | 64 |
| VG 0+00N 9+60W | 203 205 | < 1 | 0.01 | 9 | 390 | 16 | < 5 | 2 | 19 | 0.04 | < 10 | < 10 | 28 | < 10 | 58 |
| VG 0+00N 9+70W | 203 205 | < 1 | 0.02 | 11 | 610 | 20 | < 5 | 2 | 21 | 0.04 | < 10 | < 10 | 22 | < 10 | 64 |
| VG 0+00N 9+80W | 203 205 | < 1 | 0.01 | 10 | 470 | 16 | < 5 | 1 | 20 | 0.04 | < 10 | < 10 | 21 | < 10 | 54 |
| VG 0+00N 9+90W | 203 205 | < 1 | 0.02 | 12 | 720 | 18 | < 5 | 2 | 31 | 0.04 | < 10 | < 10 | 20 | < 10 | 98 |
| VG 0+00N 10+00W | 203 205 | < 1 | 0.02 | 10 | 420 | 22 | < 5 | 2 | 22 | 0.05 | < 10 | < 10 | 23 | < 10 | 80 |
| VG 0+00N 10+10W | 203 205 | < 1 | 0.01 | 11 | 430 | 20 | < 5 | 2 | 20 | 0.04 | < 10 | < 10 | 22 | < 10 | 56 |
| VG 0+00N 10+20W | 203 205 | < 1 | 0.01 | 9 | 330 | 16 | < 5 | 2 | 17 | 0.04 | < 10 | < 10 | 18 | < 10 | 44 |
| VG 0+00N 10+30W | 203 205 | < 1 | 0.01 | 10 | 490 | 16 | < 5 | 1 | 22 | 0.04 | < 10 | < 10 | 17 | < 10 | 56 |
| VG 0+00N 10+40W | 203 205 | < 1 | 0.01 | 9 | 440 | 16 | < 5 | 1 | 21 | 0.03 | < 10 | < 10 | 17 | < 10 | 58 |
| VG 0+00N 10+50W | 203 205 | < 1 | 0.01 | 11 | 410 | 14 | < 5 | 2 | 21 | 0.04 | < 10 | < 10 | 17 | < 10 | 54 |
| VG 0+00N 10+60W | 203 205 | < 1 | 0.01 | 10 | 340 | 22 | < 5 | 2 | 22 | 0.05 | < 10 | < 10 | 22 | < 10 | 58 |
| VG 0+00N 10+70W | 203 205 | < 1 | 0.01 | 9 | 520 | 16 | < 5 | 1 | 24 | 0.03 | < 10 | < 10 | 19 | < 10 | 52 |
| VG 0+00N 10+80W | 203 205 | < 1 | 0.01 | 10 | 500 | 14 | < 5 | 1 | 21 | 0.03 | < 10 | < 10 | 15 | < 10 | 46 |
| VG 0+00N 10+90W | 203 205 | < 1 | 0.01 | 10 | 520 | 14 | < 5 | 1 | 26 | 0.03 | < 10 | < 10 | 15 | < 10 | 60 |
| VG 0+00N 11+00W | 203 205 | < 1 | 0.01 | 8 | 400 | 16 | < 5 | 2 | 20 | 0.04 | < 10 | < 10 | 19 | < 10 | 46 |
| VG 0+00N 11+10W | 203 205 | < 1 | 0.01 | 9 | 330 | 16 | < 5 | 2 | 20 | 0.05 | < 10 | < 10 | 19 | < 10 | 46 |
| VG 0+00N 11+20W | 203 205 | < 1 | 0.02 | 8 | 280 | 14 | < 5 | 2 | 19 | 0.05 | < 10 | < 10 | 20 | < 10 | 50 |

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VANCOUVER, BC
V6B 1N2

A9024266

Comments: CC: A..TROUP

## CERTIFICATE A9024266

ARBOR RESOURCES INC.

Project: AOR-DAWSON
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 14-OCT-90.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 203 | 240 | Dry, sieve to -35 mesh |
| 205 | 240 | Geochem ring to approx 150 mesh |
| 238 | 240 | NITRIC-AQUA REGIA DIGESTION |

* 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 | 240 | Au ppb: Fuse 10 g sample | FA-AAS | 5 | 10000 |
| 922 | 240 | Ag ppm: 32 element, soil & rock | ICP-AES | 0.2 | 200 |
| 921 | 240 | Al %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 923 | 240 | As ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 924 | 240 | Ba ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 925 | 240 | Be ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 926 | 240 | Bi ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 927 | 240 | Ca %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 928 | 240 | Cd ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 929 | 240 | Co ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 930 | 240 | Cr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 931 | 240 | Cu ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 932 | 240 | Fe %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 933 | 240 | Ga ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 951 | 240 | Hg ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 934 | 240 | K %: 32 element, soil & rock | ICP-AES | 0.01 | 10.00 |
| 935 | 240 | La ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 936 | 240 | Mg %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 937 | 240 | Mn ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 938 | 240 | Mo ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 939 | 240 | Na %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 940 | 240 | Ni ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 941 | 240 | P ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 942 | 240 | Pb ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 943 | 240 | Sb ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 958 | 240 | Sc ppm: 32 elements, soil & rock | ICP-AES | 1 | 10000 |
| 944 | 240 | Sr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 945 | 240 | Ti %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 946 | 240 | Tl ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 947 | 240 | U ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 948 | 240 | V ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 949 | 240 | W ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 950 | 240 | Zn ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |

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Project : AOR-DAWSON
Comments: CC: A. TROUP

Page Number : 1-A
Total Pages : 6
Invoice Date: 14-OCT-90
Invoice No. : I-9024266
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024266

| SAMPLE DESCRIPTION | PREP CODE | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GG 000N 0000W | 203 205 | < 5 | 0.2 | 1.57 | 5 | 210 | < 0.5 | < 2 | 0.09 | < 0.5 | 2 | 76 | 10 | 2.01 | < 10 | < 1 | 0.16 | 20 | 0.28 | 100 |
| GG 000N 0010W | 203 205 | 10 | < 0.2 | 2.24 | < 5 | 240 | < 0.5 | < 2 | 0.09 | < 0.5 | 4 | 51 | 10 | 2.88 | < 10 | < 1 | 0.12 | 20 | 0.43 | 165 |
| GG 000N 0020W | 203 205 | 25 | 0.2 | 1.73 | 5 | 300 | < 0.5 | < 2 | 0.06 | < 0.5 | 2 | 60 | 9 | 2.02 | < 10 | < 1 | 0.23 | 30 | 0.41 | 185 |
| GG 000N 0030W | 203 205 | < 5 | < 0.2 | 1.66 | 5 | 250 | < 0.5 | < 2 | 0.08 | < 0.5 | 2 | 53 | 10 | 2.05 | < 10 | < 1 | 0.19 | 20 | 0.48 | 150 |
| GG 000N 0040W | 203 205 | 35 | < 0.2 | 1.88 | < 5 | 200 | < 0.5 | < 2 | 0.13 | < 0.5 | 3 | 63 | 12 | 2.45 | < 10 | < 1 | 0.11 | 20 | 0.43 | 155 |
| GG 000N 0050W | 203 205 | < 5 | < 0.2 | 1.67 | < 5 | 200 | < 0.5 | < 2 | 0.12 | < 0.5 | 3 | 60 | 6 | 2.04 | < 10 | < 1 | 0.12 | 20 | 0.43 | 130 |
| GG 000N 0060W | 203 205 | < 5 | < 0.2 | 1.84 | < 5 | 220 | < 0.5 | 2 | 0.12 | < 0.5 | 2 | 67 | 10 | 2.21 | < 10 | < 1 | 0.09 | 10 | 0.30 | 120 |
| GG 000N 0070W | 203 205 | 15 | < 0.2 | 2.16 | 5 | 200 | < 0.5 | < 2 | 0.13 | < 0.5 | 4 | 57 | 14 | 3.19 | < 10 | < 1 | 0.10 | 20 | 0.51 | 210 |
| GG 000N 0080W | 203 205 | < 5 | < 0.2 | 1.65 | 10 | 150 | < 0.5 | < 2 | 0.09 | < 0.5 | 4 | 58 | 10 | 3.09 | < 10 | < 1 | 0.12 | 10 | 0.73 | 190 |
| GG 000N 0090W | 203 205 | 25 | < 0.2 | 1.92 | 5 | 190 | < 0.5 | < 2 | 0.10 | < 0.5 | 6 | 43 | 16 | 2.59 | < 10 | < 1 | 0.11 | 20 | 0.55 | 210 |
| GG 000N 0100W | 203 205 | < 5 | 0.2 | 1.53 | < 5 | 210 | < 0.5 | < 2 | 0.07 | < 0.5 | 3 | 38 | 12 | 2.23 | < 10 | < 1 | 0.17 | 30 | 0.56 | 150 |
| GG 000N 0110W | 203 205 | < 5 | 0.2 | 1.66 | < 5 | 380 | < 0.5 | < 2 | 0.08 | < 0.5 | 4 | 61 | 23 | 2.33 | < 10 | < 1 | 0.23 | 30 | 0.80 | 230 |
| GG 000N 0120W | 203 205 | 15 | < 0.2 | 1.69 | < 5 | 310 | < 0.5 | < 2 | 0.08 | < 0.5 | 4 | 66 | 15 | 2.33 | < 10 | < 1 | 0.15 | 20 | 0.70 | 170 |
| GG 000N 0130W | 203 205 | < 5 | < 0.2 | 1.86 | 5 | 230 | < 0.5 | < 2 | 0.12 | < 0.5 | 5 | 69 | 15 | 3.33 | < 10 | < 1 | 0.12 | 10 | 0.52 | 250 |
| GG 000N 0140W | 203 205 | 725 | < 0.2 | 1.85 | < 5 | 260 | < 0.5 | < 2 | 0.12 | < 0.5 | 5 | 56 | 16 | 2.65 | < 10 | < 1 | 0.16 | 20 | 0.48 | 205 |
| GG 000N 0150W | 203 205 | < 5 | < 0.2 | 1.95 | < 5 | 220 | < 0.5 | < 2 | 0.14 | < 0.5 | 4 | 56 | 9 | 3.09 | < 10 | < 1 | 0.10 | 20 | 0.40 | 230 |
| GG 000N 0160W | 203 205 | < 5 | 0.4 | 1.34 | < 5 | 310 | < 0.5 | < 2 | 0.10 | < 0.5 | 3 | 73 | 9 | 1.97 | < 10 | < 1 | 0.23 | 20 | 0.25 | 210 |
| GG 000N 0170W | 203 205 | 20 | 0.2 | 3.05 | < 5 | 380 | < 0.5 | < 2 | 0.14 | < 0.5 | 9 | 56 | 21 | 3.39 | < 10 | < 1 | 0.17 | 20 | 0.54 | 405 |
| GG 000N 0180W | 203 205 | 30 | 0.2 | 1.32 | 5 | 280 | < 0.5 | < 2 | 0.10 | < 0.5 | 2 | 54 | 13 | 1.35 | < 10 | < 1 | 0.16 | 40 | 0.24 | 105 |
| GG 000N 0190W | 203 205 | 5 | 0.2 | 1.39 | 5 | 210 | < 0.5 | 2 | 0.08 | < 0.5 | 3 | 46 | 14 | 1.84 | < 10 | < 1 | 0.18 | 30 | 0.34 | 145 |
| GG 000N 0200W | 203 205 | < 5 | < 0.2 | 1.48 | < 5 | 230 | < 0.5 | 2 | 0.07 | < 0.5 | 4 | 44 | 34 | 2.02 | < 10 | < 1 | 0.09 | 20 | 0.40 | 190 |
| GG 000N 0210W | 203 205 | < 5 | < 0.2 | 1.11 | < 5 | 320 | < 0.5 | 2 | 0.09 | < 0.5 | 1 | 56 | 12 | 1.26 | < 10 | < 1 | 0.08 | 20 | 0.14 | 75 |
| GG 000N 0220W | 203 205 | 5 | < 0.2 | 1.67 | < 5 | 200 | < 0.5 | < 2 | 0.08 | < 0.5 | 3 | 42 | 9 | 2.28 | < 10 | < 1 | 0.08 | 10 | 0.29 | 105 |
| GG 000N 0230W | 203 205 | < 5 | < 0.2 | 1.42 | 5 | 190 | < 0.5 | < 2 | 0.06 | < 0.5 | 3 | 47 | 8 | 2.04 | < 10 | < 1 | 0.10 | 10 | 0.28 | 130 |
| GG 000N 0240W | 203 205 | < 5 | < 0.2 | 1.83 | 5 | 170 | < 0.5 | < 2 | 0.08 | < 0.5 | 4 | 50 | 8 | 2.65 | < 10 | < 1 | 0.09 | 10 | 0.34 | 185 |
| GG 000N 0250W | 203 205 | 5 | 0.2 | 1.33 | 5 | 190 | < 0.5 | 2 | 0.07 | < 0.5 | 3 | 48 | 7 | 1.72 | < 10 | < 1 | 0.11 | 20 | 0.24 | 160 |
| GG 000N 0260W | 203 205 | 10 | 0.2 | 1.63 | < 5 | 230 | < 0.5 | < 2 | 0.09 | < 0.5 | 5 | 48 | 11 | 1.99 | < 10 | < 1 | 0.14 | 30 | 0.33 | 170 |
| GG 000N 0270W | 203 205 | 5 | 0.2 | 1.61 | 5 | 260 | < 0.5 | < 2 | 0.08 | < 0.5 | 3 | 70 | 11 | 1.80 | < 10 | < 1 | 0.14 | 30 | 0.27 | 125 |
| GG 000N 0280W | 203 205 | 30 | 0.4 | 1.21 | < 5 | 210 | < 0.5 | 2 | 0.05 | < 0.5 | 2 | 47 | 7 | 1.23 | < 10 | < 1 | 0.18 | 30 | 0.23 | 95 |
| GG 000N 0290W | 203 205 | 15 | 0.2 | 1.03 | < 5 | 200 | < 0.5 | < 2 | 0.06 | < 0.5 | 1 | 73 | 5 | 1.09 | < 10 | < 1 | 0.20 | 30 | 0.18 | 70 |
| GG 000N 0300W | 203 205 | < 5 | 0.4 | 0.82 | 5 | 170 | < 0.5 | < 2 | 0.04 | < 0.5 | 1 | 45 | 3 | 0.76 | < 10 | < 1 | 0.17 | 20 | 0.14 | 60 |
| GG 000N 0310W | 203 205 | < 5 | < 0.2 | 1.34 | 5 | 200 | < 0.5 | 2 | 0.07 | < 0.5 | 3 | 47 | 6 | 1.69 | < 10 | < 1 | 0.13 | 20 | 0.25 | 140 |
| GG 000N 0320W | 203 205 | 5 | < 0.2 | 1.80 | < 5 | 270 | < 0.5 | < 2 | 0.10 | < 0.5 | 4 | 58 | 14 | 2.12 | < 10 | < 1 | 0.13 | 20 | 0.34 | 170 |
| GG 000N 0330W | 203 205 | < 5 | 0.2 | 1.71 | < 5 | 260 | < 0.5 | < 2 | 0.10 | < 0.5 | 4 | 50 | 11 | 2.09 | < 10 | < 1 | 0.14 | 30 | 0.36 | 195 |
| GG 000N 0340W | 203 205 | 5 | 0.2 | 1.75 | 10 | 260 | < 0.5 | < 2 | 0.11 | < 0.5 | 5 | 56 | 10 | 2.37 | < 10 | < 1 | 0.15 | 30 | 0.35 | 250 |
| GG 000N 0350W | 203 205 | 10 | 0.4 | 1.82 | 10 | 390 | < 0.5 | < 2 | 0.11 | < 0.5 | 5 | 64 | 14 | 2.27 | < 10 | < 1 | 0.17 | 40 | 0.34 | 270 |
| GG 000N 0360W | 203 205 | 10 | < 0.2 | 1.63 | 10 | 360 | 0.5 | < 2 | 0.12 | < 0.5 | 5 | 59 | 14 | 2.28 | < 10 | < 1 | 0.15 | 30 | 0.32 | 255 |
| GG 000N 0370W | 203 205 | 5 | 0.4 | 1.13 | < 5 | 220 | < 0.5 | 2 | 0.04 | < 0.5 | 2 | 54 | 7 | 1.31 | < 10 | < 1 | 0.17 | 20 | 0.26 | 95 |
| GG 000N 0380W | 203 205 | 10 | 0.6 | 1.56 | < 5 | 470 | < 0.5 | < 2 | 0.09 | < 0.5 | 3 | 53 | 15 | 1.77 | < 10 | < 1 | 0.17 | 30 | 0.31 | 140 |
| GG 000N 0390W | 203 205 | 25 | 0.4 | 1.50 | < 5 | 300 | < 0.5 | < 2 | 0.09 | < 0.5 | 4 | 68 | 10 | 1.94 | < 10 | < 1 | 0.14 | 20 | 0.37 | 165 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAWSON
Comments: CC: A. TROUP

Page Number : 1-B
Total Pages : 6
Invoice Date: 14-OCT-90
Invoice No. : I-9024266
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024266

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GG 000N 0000W | 203 | 205 | < 1 | 0.01 | 7 | 160 | 34 | < 5 | 2 | 9 | 0.04 | < 10 | < 10 | 40 | < 10 | 40 |
| GG 000N 0010W | 203 | 205 | 1 | 0.01 | 11 | 200 | 24 | < 5 | 3 | 10 | 0.06 | < 10 | < 10 | 54 | < 10 | 52 |
| GG 000N 0020W | 203 | 205 | < 1 | 0.01 | 6 | 160 | 22 | < 5 | 2 | 7 | 0.02 | < 10 | < 10 | 27 | < 10 | 80 |
| GG 000N 0030W | 203 | 205 | < 1 | 0.01 | 5 | 140 | 18 | < 5 | 2 | 8 | 0.03 | < 10 | < 10 | 31 | < 10 | 82 |
| GG 000N 0040W | 203 | 205 | 1 | 0.01 | 9 | 350 | 18 | < 5 | 2 | 13 | 0.06 | < 10 | < 10 | 53 | < 10 | 46 |
| GG 000N 0050W | 203 | 205 | < 1 | 0.01 | 8 | 150 | 16 | < 5 | 2 | 12 | 0.06 | < 10 | < 10 | 44 | < 10 | 42 |
| GG 000N 0060W | 203 | 205 | < 1 | 0.01 | 7 | 820 | 22 | < 5 | 2 | 13 | 0.05 | < 10 | < 10 | 52 | < 10 | 38 |
| GG 000N 0070W | 203 | 205 | 1 | 0.02 | 12 | 360 | 14 | < 5 | 3 | 12 | 0.07 | < 10 | < 10 | 67 | < 10 | 56 |
| GG 000N 0080W | 203 | 205 | 1 | 0.01 | 11 | 560 | 16 | < 5 | 2 | 10 | 0.06 | < 10 | < 10 | 69 | < 10 | 54 |
| GG 000N 0090W | 203 | 205 | 1 | 0.01 | 15 | 160 | 46 | < 5 | 2 | 10 | 0.05 | < 10 | < 10 | 46 | < 10 | 58 |
| GG 000N 0100W | 203 | 205 | 1 | 0.01 | 8 | 240 | 40 | < 5 | 1 | 8 | 0.02 | < 10 | < 10 | 38 | < 10 | 66 |
| GG 000N 0110W | 203 | 205 | 1 | 0.01 | 8 | 300 | 38 | < 5 | 2 | 10 | 0.03 | < 10 | < 10 | 30 | < 10 | 76 |
| GG 000N 0120W | 203 | 205 | 1 | 0.01 | 9 | 220 | 28 | < 5 | 2 | 9 | 0.04 | < 10 | < 10 | 39 | < 10 | 62 |
| GG 000N 0130W | 203 | 205 | 1 | 0.01 | 13 | 350 | 18 | < 5 | 3 | 11 | 0.07 | < 10 | < 10 | 60 | < 10 | 68 |
| GG 000N 0140W | 203 | 205 | 1 | 0.01 | 12 | 270 | 12 | < 5 | 3 | 13 | 0.06 | < 10 | < 10 | 54 | < 10 | 58 |
| GG 000N 0150W | 203 | 205 | 1 | 0.02 | 9 | 300 | 28 | < 5 | 3 | 17 | 0.09 | < 10 | < 10 | 77 | < 10 | 50 |
| GG 000N 0160W | 203 | 205 | 1 | 0.01 | 6 | 550 | 28 | < 5 | 1 | 12 | 0.03 | < 10 | < 10 | 41 | < 10 | 58 |
| GG 000N 0170W | 203 | 205 | 1 | 0.01 | 17 | 350 | 60 | < 5 | 4 | 16 | 0.07 | < 10 | < 10 | 60 | < 10 | 80 |
| GG 000N 0180W | 203 | 205 | 1 | 0.01 | 5 | 260 | 296 | < 5 | 1 | 11 | 0.02 | < 10 | < 10 | 29 | < 10 | 44 |
| GG 000N 0190W | 203 | 205 | 1 | 0.01 | 9 | 190 | 84 | < 5 | 2 | 10 | 0.03 | < 10 | < 10 | 30 | < 10 | 54 |
| GG 000N 0200W | 203 | 205 | 1 | 0.01 | 9 | 130 | 50 | < 5 | 2 | 8 | 0.03 | < 10 | < 10 | 35 | < 10 | 52 |
| GG 000N 0210W | 203 | 205 | < 1 | 0.01 | 5 | 400 | 72 | < 5 | < 1 | 10 | 0.01 | < 10 | < 10 | 27 | < 10 | 28 |
| GG 000N 0220W | 203 | 205 | 1 | 0.01 | 9 | 180 | 54 | < 5 | 2 | 8 | 0.05 | < 10 | < 10 | 45 | < 10 | 40 |
| GG 000N 0230W | 203 | 205 | < 1 | 0.01 | 8 | 160 | 32 | < 5 | 2 | 7 | 0.04 | < 10 | < 10 | 37 | < 10 | 44 |
| GG 000N 0240W | 203 | 205 | 1 | 0.01 | 12 | 250 | 28 | < 5 | 2 | 8 | 0.05 | < 10 | < 10 | 52 | < 10 | 52 |
| GG 000N 0250W | 203 | 205 | < 1 | 0.01 | 7 | 210 | 30 | < 5 | 2 | 7 | 0.04 | < 10 | < 10 | 36 | < 10 | 40 |
| GG 000N 0260W | 203 | 205 | < 1 | 0.01 | 11 | 210 | 48 | < 5 | 2 | 10 | 0.04 | < 10 | < 10 | 38 | < 10 | 54 |
| GG 000N 0270W | 203 | 205 | < 1 | 0.02 | 8 | 300 | 62 | < 5 | 2 | 10 | 0.04 | < 10 | < 10 | 42 | < 10 | 52 |
| GG 000N 0280W | 203 | 205 | < 1 | 0.01 | 6 | 100 | 36 | < 5 | 1 | 7 | 0.02 | < 10 | < 10 | 23 | < 10 | 42 |
| GG 000N 0290W | 203 | 205 | 1 | 0.01 | 4 | 110 | 24 | < 5 | 1 | 8 | 0.03 | < 10 | < 10 | 25 | < 10 | 40 |
| GG 000N 0300W | 203 | 205 | < 1 | 0.01 | 4 | 70 | 20 | < 5 | 1 | 5 | 0.02 | < 10 | < 10 | 19 | < 10 | 28 |
| GG 000N 0310W | 203 | 205 | < 1 | 0.01 | 6 | 140 | 26 | < 5 | 1 | 8 | 0.04 | < 10 | < 10 | 39 | < 10 | 40 |
| GG 000N 0320W | 203 | 205 | 1 | 0.01 | 10 | 280 | 46 | < 5 | 1 | 12 | 0.03 | < 10 | < 10 | 47 | < 10 | 58 |
| GG 000N 0330W | 203 | 205 | 1 | 0.01 | 9 | 190 | 34 | < 5 | 2 | 11 | 0.05 | < 10 | < 10 | 49 | < 10 | 56 |
| GG 000N 0340W | 203 | 205 | 1 | 0.01 | 9 | 240 | 44 | < 5 | 2 | 11 | 0.05 | < 10 | < 10 | 52 | < 10 | 64 |
| GG 000N 0350W | 203 | 205 | 1 | 0.01 | 11 | 400 | 64 | < 5 | 2 | 13 | 0.04 | < 10 | < 10 | 43 | < 10 | 68 |
| GG 000N 0360W | 203 | 205 | 1 | 0.02 | 10 | 350 | 66 | < 5 | 2 | 15 | 0.05 | < 10 | < 10 | 49 | < 10 | 68 |
| GG 000N 0370W | 203 | 205 | 1 | 0.01 | 5 | 90 | 48 | < 5 | 1 | 5 | 0.02 | < 10 | < 10 | 22 | < 10 | 44 |
| GG 000N 0380W | 203 | 205 | 1 | 0.01 | 9 | 330 | 64 | < 5 | 1 | 13 | 0.03 | < 10 | < 10 | 35 | < 10 | 58 |
| GG 000N 0390W | 203 | 205 | 1 | 0.01 | 8 | 190 | 36 | < 5 | 2 | 10 | 0.04 | < 10 | < 10 | 36 | < 10 | 58 |

CERTIFICATION: B. Caplan

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To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
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V6B 1N2

Project : AOR-DAWSON
Comments: CC: A. TROUP


Invoice Date: 14-OCT-90
Invoice No. : I-9024266
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024266

| SAMPLE DESCRIPTION | PREP CODE | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GG 000N 0400W | 203 205 | 60 | < 0.2 | 1.54 | 5 | 330 | < 0.5 | < 2 | 0.10 | < 0.5 | 3 | 55 | 10 | 2.05 | < 10 | < 1 | 0.13 | 20 | 0.39 | 155 |
| GG 000N 0410W | 203 205 | < 5 | 0.4 | 2.01 | 5 | 550 | < 0.5 | < 2 | 0.15 | < 0.5 | 6 | 52 | 15 | 2.34 | < 10 | < 1 | 0.15 | 30 | 0.43 | 215 |
| GG 000N 0420W | 203 205 | < 5 | 0.2 | 1.70 | < 5 | 320 | < 0.5 | < 2 | 0.14 | < 0.5 | 6 | 56 | 14 | 2.28 | < 10 | < 1 | 0.12 | 20 | 0.44 | 240 |
| GG 000N 0430W | 203 205 | 5 | < 0.2 | 2.07 | < 5 | 380 | < 0.5 | < 2 | 0.16 | < 0.5 | 6 | 68 | 17 | 2.64 | < 10 | < 1 | 0.14 | 30 | 0.52 | 230 |
| GG 000N 0440W | 203 205 | < 5 | < 0.2 | 2.12 | < 5 | 410 | < 0.5 | < 2 | 0.19 | < 0.5 | 6 | 60 | 17 | 2.71 | < 10 | < 1 | 0.15 | 30 | 0.52 | 225 |
| GG 000N 0450W | 203 205 | < 5 | 0.2 | 1.94 | 5 | 500 | < 0.5 | < 2 | 0.19 | < 0.5 | 7 | 107 | 16 | 2.54 | < 10 | < 1 | 0.17 | 30 | 0.47 | 325 |
| GG 000N 0460W | 203 205 | 50 | < 0.2 | 0.98 | 5 | 280 | < 0.5 | < 2 | 0.12 | < 0.5 | 4 | 46 | 15 | 1.47 | < 10 | < 1 | 0.13 | 30 | 0.28 | 215 |
| GG 000N 0470W | 203 205 | 5 | 0.4 | 1.73 | < 5 | 530 | < 0.5 | 2 | 0.26 | < 0.5 | 4 | 116 | 15 | 2.23 | < 10 | < 1 | 0.19 | 30 | 0.43 | 175 |
| GG 000N 0480W | 203 205 | < 5 | < 0.2 | 1.33 | < 5 | 320 | < 0.5 | < 2 | 0.15 | < 0.5 | 4 | 50 | 14 | 1.92 | < 10 | < 1 | 0.11 | 20 | 0.37 | 195 |
| GG 000N 0490W | 203 205 | 15 | < 0.2 | 1.59 | 5 | 360 | < 0.5 | < 2 | 0.14 | < 0.5 | 6 | 54 | 15 | 2.24 | < 10 | < 1 | 0.09 | 20 | 0.41 | 240 |
| GG 000N 0500W | 203 205 | 25 | 0.4 | 1.44 | < 5 | 460 | < 0.5 | < 2 | 0.16 | < 0.5 | 5 | 55 | 21 | 2.18 | < 10 | < 1 | 0.10 | 20 | 0.32 | 150 |
| GG 000N 0510W | 203 205 | 10 | 0.4 | 1.30 | < 5 | 350 | < 0.5 | < 2 | 0.14 | < 0.5 | 3 | 57 | 13 | 1.75 | < 10 | < 1 | 0.12 | 30 | 0.33 | 130 |
| GG 000N 0520W | 203 205 | 10 | 0.2 | 0.98 | < 5 | 420 | < 0.5 | < 2 | 0.15 | < 0.5 | 4 | 53 | 11 | 1.53 | < 10 | < 1 | 0.10 | 30 | 0.27 | 230 |
| GG 000N 0530W | 203 205 | < 5 | < 0.2 | 0.94 | 5 | 250 | < 0.5 | < 2 | 0.09 | < 0.5 | 3 | 53 | 10 | 1.51 | < 10 | < 1 | 0.09 | 20 | 0.24 | 155 |
| GG 000N 0540W | 203 205 | < 5 | < 0.2 | 1.00 | < 5 | 230 | < 0.5 | < 2 | 0.09 | < 0.5 | 2 | 57 | 8 | 1.44 | < 10 | < 1 | 0.12 | 20 | 0.25 | 125 |
| GG 000N 0550W | 203 205 | < 5 | < 0.2 | 1.12 | 5 | 260 | < 0.5 | < 2 | 0.13 | < 0.5 | 4 | 52 | 9 | 1.68 | < 10 | < 1 | 0.09 | 30 | 0.33 | 180 |
| GG 000N 0560W | 203 205 | 10 | < 0.2 | 0.99 | < 5 | 250 | < 0.5 | < 2 | 0.14 | < 0.5 | 3 | 55 | 8 | 1.42 | < 10 | < 1 | 0.11 | 30 | 0.27 | 175 |
| GG 000N 0570W | 203 205 | 5 | 0.4 | 1.59 | 5 | 550 | < 0.5 | < 2 | 0.26 | < 0.5 | 4 | 79 | 14 | 1.93 | < 10 | < 1 | 0.17 | 40 | 0.38 | 175 |
| GG 000N 0580W | 203 205 | < 5 | < 0.2 | 1.62 | < 5 | 390 | < 0.5 | < 2 | 0.18 | < 0.5 | 3 | 51 | 11 | 1.89 | < 10 | < 1 | 0.14 | 30 | 0.39 | 130 |
| GG 000N 0590W | 203 205 | 5 | 0.8 | 1.70 | < 5 | 630 | < 0.5 | < 2 | 0.58 | 0.5 | 4 | 61 | 15 | 1.94 | < 10 | < 1 | 0.13 | 50 | 0.36 | 190 |
| GG 000N 0600W | 203 205 | 15 | 0.8 | 1.68 | 5 | 570 | < 0.5 | < 2 | 0.52 | < 0.5 | 5 | 53 | 14 | 1.86 | < 10 | < 1 | 0.17 | 60 | 0.36 | 275 |
| GG 000N 0610W | 203 205 | 10 | 1.0 | 1.87 | 5 | 680 | < 0.5 | < 2 | 0.62 | 0.5 | 6 | 58 | 19 | 1.96 | < 10 | < 1 | 0.18 | 60 | 0.39 | 300 |
| GG 000N 0620W | 203 205 | 15 | 0.6 | 1.46 | 10 | 400 | < 0.5 | < 2 | 0.36 | < 0.5 | 4 | 52 | 10 | 1.56 | < 10 | < 1 | 0.23 | 60 | 0.39 | 325 |
| GG 000N 0630W | 203 205 | 10 | 1.0 | 1.75 | 10 | 1920 | 0.5 | < 2 | 0.67 | 1.5 | 4 | 46 | 26 | 1.74 | < 10 | < 1 | 0.21 | 120 | 0.42 | 365 |
| GG 000N 0640W | 203 205 | 10 | 0.4 | 0.71 | 10 | 570 | < 0.5 | < 2 | 0.20 | 0.5 | 6 | 77 | 22 | 2.34 | < 10 | < 1 | 0.23 | 50 | 0.24 | 485 |
| GG 000N 0650W | 203 205 | 30 | 0.6 | 0.54 | 10 | 770 | < 0.5 | < 2 | 0.16 | 0.5 | 5 | 48 | 17 | 1.90 | < 10 | < 1 | 0.25 | 50 | 0.10 | 320 |
| GG 000N 0660W | 203 205 | 15 | 0.6 | 0.66 | 5 | 420 | < 0.5 | < 2 | 0.38 | < 0.5 | 4 | 45 | 13 | 1.84 | < 10 | < 1 | 0.23 | 70 | 0.18 | 170 |
| GG 000N 0670W | 203 205 | < 5 | < 0.2 | 0.52 | < 5 | 970 | < 0.5 | < 2 | 0.28 | 0.5 | 1 | 52 | 10 | 0.74 | < 10 | < 1 | 0.24 | 50 | 0.09 | 75 |
| GG 000N 0680W | 203 205 | 10 | 0.4 | 1.00 | 10 | 960 | < 0.5 | < 2 | 0.97 | 0.5 | 4 | 49 | 26 | 1.37 | < 10 | < 1 | 0.22 | 110 | 0.21 | 455 |
| GG 000N 0690W | 203 205 | 10 | < 0.2 | 0.75 | 5 | 710 | < 0.5 | < 2 | 0.22 | < 0.5 | 2 | 63 | 11 | 1.36 | < 10 | < 1 | 0.25 | 50 | 0.24 | 195 |
| GG 000N 0700W | 203 205 | < 5 | 0.4 | 1.15 | < 5 | 590 | < 0.5 | < 2 | 0.31 | < 0.5 | 2 | 42 | 13 | 1.67 | < 10 | < 1 | 0.30 | 70 | 0.49 | 110 |
| GG 000N 0710W | 203 205 | < 5 | 0.6 | 1.18 | < 5 | 820 | < 0.5 | < 2 | 0.74 | < 0.5 | 3 | 54 | 12 | 1.66 | < 10 | < 1 | 0.23 | 70 | 0.40 | 195 |
| GG 000N 0720W | 203 205 | < 5 | 0.4 | 1.39 | 5 | 720 | < 0.5 | < 2 | 0.80 | 0.5 | 4 | 49 | 17 | 1.97 | < 10 | < 1 | 0.33 | 80 | 0.52 | 305 |
| GG 000N 0730W | 203 205 | < 5 | 0.4 | 1.35 | < 5 | 670 | < 0.5 | < 2 | 1.11 | < 0.5 | 3 | 53 | 16 | 1.81 | < 10 | < 1 | 0.16 | 60 | 0.41 | 145 |
| GG 000N 0740W | 203 205 | < 5 | 0.4 | 1.32 | < 5 | 480 | < 0.5 | < 2 | 0.53 | < 0.5 | 4 | 47 | 17 | 1.92 | < 10 | < 1 | 0.18 | 40 | 0.42 | 245 |
| GG 000N 0750W | 203 205 | < 5 | 0.6 | 1.31 | 5 | 1020 | < 0.5 | 2 | 1.26 | 0.5 | 5 | 34 | 19 | 1.88 | < 10 | < 1 | 0.30 | 80 | 0.54 | 950 |
| GG 000N 0760W | 203 205 | < 5 | 0.4 | 1.08 | 5 | 650 | < 0.5 | < 2 | 0.43 | < 0.5 | 3 | 57 | 12 | 1.76 | < 10 | < 1 | 0.27 | 70 | 0.50 | 225 |
| GG 000N 0770W | 203 205 | 15 | 0.4 | 1.20 | 5 | 910 | < 0.5 | < 2 | 0.73 | 1.0 | 8 | 48 | 19 | 2.21 | < 10 | < 1 | 0.29 | 80 | 0.50 | 1085 |
| GG 000N 0780W | 203 205 | < 5 | 0.4 | 1.06 | < 5 | 440 | < 0.5 | < 2 | 0.38 | 0.5 | 2 | 65 | 8 | 1.33 | < 10 | < 1 | 0.18 | 50 | 0.48 | 110 |
| GG 000N 0790W | 203 205 | < 5 | < 0.2 | 1.26 | < 5 | 510 | < 0.5 | < 2 | 0.30 | < 0.5 | 3 | 98 | 8 | 1.54 | < 10 | < 1 | 0.23 | 50 | 0.70 | 150 |

CERTIFICATION: B. Caufield

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Project : AOR-DAWSON
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Invoice Date: 14-OCT-90
Invoice No. : I-9024266
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024266

| SAMPLE DESCRIPTION | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GG 000N 0400W | 203 205 | 1 | 0.01 | 8 | 170 | 42 | < 5 | 2 | 11 | 0.04 | < 10 | < 10 | 38 | < 10 | 56 |
| GG 000N 0410W | 203 205 | 1 | 0.01 | 10 | 300 | 48 | < 5 | 2 | 18 | 0.05 | < 10 | < 10 | 51 | < 10 | 64 |
| GG 000N 0420W | 203 205 | < 1 | 0.01 | 12 | 170 | 32 | < 5 | 3 | 14 | 0.06 | < 10 | < 10 | 44 | < 10 | 62 |
| GG 000N 0430W | 203 205 | < 1 | 0.01 | 14 | 240 | 34 | < 5 | 3 | 18 | 0.07 | < 10 | < 10 | 52 | < 10 | 72 |
| GG 000N 0440W | 203 205 | 1 | 0.01 | 13 | 250 | 36 | < 5 | 3 | 19 | 0.07 | < 10 | < 10 | 55 | < 10 | 72 |
| GG 000N 0450W | 203 205 | 1 | 0.02 | 13 | 330 | 30 | < 5 | 3 | 20 | 0.06 | < 10 | < 10 | 51 | < 10 | 70 |
| GG 000N 0460W | 203 205 | 1 | 0.01 | 7 | 180 | 68 | < 5 | 2 | 11 | 0.03 | < 10 | < 10 | 24 | < 10 | 56 |
| GG 000N 0470W | 203 205 | 1 | 0.02 | 13 | 250 | 32 | < 5 | 3 | 23 | 0.06 | < 10 | < 10 | 45 | < 10 | 64 |
| GG 000N 0480W | 203 205 | < 1 | 0.01 | 10 | 160 | 44 | < 5 | 3 | 13 | 0.05 | < 10 | < 10 | 36 | < 10 | 54 |
| GG 000N 0490W | 203 205 | 1 | 0.01 | 12 | 190 | 32 | < 5 | 3 | 12 | 0.05 | < 10 | < 10 | 42 | < 10 | 58 |
| GG 000N 0500W | 203 205 | 1 | 0.01 | 12 | 400 | 50 | < 5 | 3 | 16 | 0.04 | < 10 | < 10 | 40 | < 10 | 60 |
| GG 000N 0510W | 203 205 | 1 | 0.01 | 9 | 250 | 42 | < 5 | 2 | 13 | 0.03 | < 10 | < 10 | 33 | < 10 | 60 |
| GG 000N 0520W | 203 205 | < 1 | 0.01 | 8 | 270 | 42 | < 5 | 2 | 15 | 0.03 | < 10 | < 10 | 27 | < 10 | 56 |
| GG 000N 0530W | 203 205 | < 1 | 0.01 | 7 | 190 | 38 | < 5 | 1 | 9 | 0.03 | < 10 | < 10 | 27 | < 10 | 46 |
| GG 000N 0540W | 203 205 | < 1 | 0.01 | 6 | 160 | 30 | < 5 | 1 | 8 | 0.03 | < 10 | < 10 | 27 | < 10 | 44 |
| GG 000N 0550W | 203 205 | < 1 | 0.01 | 8 | 190 | 34 | < 5 | 2 | 11 | 0.04 | < 10 | < 10 | 30 | < 10 | 50 |
| GG 000N 0560W | 203 205 | < 1 | 0.01 | 7 | 190 | 34 | < 5 | 2 | 11 | 0.04 | < 10 | < 10 | 26 | < 10 | 46 |
| GG 000N 0570W | 203 205 | 1 | 0.01 | 10 | 400 | 54 | < 5 | 3 | 23 | 0.04 | < 10 | < 10 | 37 | < 10 | 68 |
| GG 000N 0580W | 203 205 | < 1 | 0.01 | 10 | 210 | 42 | < 5 | 3 | 16 | 0.05 | < 10 | < 10 | 39 | < 10 | 60 |
| GG 000N 0590W | 203 205 | 1 | 0.01 | 11 | 390 | 56 | < 5 | 3 | 44 | 0.03 | < 10 | < 10 | 35 | < 10 | 62 |
| GG 000N 0600W | 203 205 | 1 | 0.01 | 10 | 420 | 68 | < 5 | 3 | 38 | 0.02 | < 10 | < 10 | 29 | < 10 | 122 |
| GG 000N 0610W | 203 205 | 1 | 0.01 | 14 | 520 | 90 | < 5 | 3 | 49 | 0.02 | < 10 | < 10 | 34 | < 10 | 140 |
| GG 000N 0620W | 203 205 | < 1 | 0.01 | 8 | 270 | 66 | < 5 | 3 | 27 | 0.02 | < 10 | < 10 | 21 | < 10 | 146 |
| GG 000N 0630W | 203 205 | 1 | 0.01 | 16 | 530 | 92 | < 5 | 4 | 58 | 0.01 | < 10 | < 10 | 20 | < 10 | 166 |
| GG 000N 0640W | 203 205 | 1 | 0.02 | 8 | 570 | 190 | < 5 | 1 | 42 | < 0.01 | < 10 | < 10 | 5 | < 10 | 168 |
| GG 000N 0650W | 203 205 | 1 | 0.01 | 6 | 330 | 80 | < 5 | 2 | 28 | < 0.01 | < 10 | < 10 | 4 | < 10 | 114 |
| GG 000N 0660W | 203 205 | 1 | 0.01 | 5 | 410 | 64 | < 5 | 2 | 48 | < 0.01 | < 10 | < 10 | 7 | < 10 | 78 |
| GG 000N 0670W | 203 205 | < 1 | 0.01 | 3 | 240 | 44 | < 5 | 1 | 25 | < 0.01 | < 10 | < 10 | 4 | < 10 | 48 |
| GG 000N 0680W | 203 205 | 1 | 0.01 | 8 | 400 | 98 | < 5 | 2 | 78 | 0.01 | < 10 | < 10 | 11 | < 10 | 84 |
| GG 000N 0690W | 203 205 | 1 | 0.01 | 5 | 290 | 50 | < 5 | 1 | 29 | < 0.01 | < 10 | < 10 | 5 | < 10 | 78 |
| GG 000N 0700W | 203 205 | 1 | 0.02 | 6 | 320 | 54 | < 5 | 2 | 48 | < 0.01 | < 10 | < 10 | 7 | < 10 | 74 |
| GG 000N 0710W | 203 205 | 1 | 0.02 | 7 | 460 | 50 | < 5 | 2 | 75 | 0.01 | < 10 | < 10 | 12 | < 10 | 72 |
| GG 000N 0720W | 203 205 | 1 | 0.02 | 9 | 480 | 56 | < 5 | 3 | 77 | 0.01 | < 10 | < 10 | 13 | < 10 | 88 |
| GG 000N 0730W | 203 205 | < 1 | 0.02 | 11 | 480 | 38 | < 5 | 3 | 83 | 0.03 | < 10 | < 10 | 26 | < 10 | 62 |
| GG 000N 0740W | 203 205 | < 1 | 0.01 | 12 | 250 | 34 | < 5 | 3 | 44 | 0.04 | < 10 | < 10 | 31 | < 10 | 54 |
| GG 000N 0750W | 203 205 | < 1 | 0.01 | 10 | 560 | 52 | < 5 | 2 | 106 | < 0.01 | < 10 | < 10 | 12 | < 10 | 98 |
| GG 000N 0760W | 203 205 | 1 | 0.01 | 7 | 350 | 52 | < 5 | 2 | 52 | < 0.01 | < 10 | < 10 | 9 | < 10 | 78 |
| GG 000N 0770W | 203 205 | 1 | 0.02 | 11 | 490 | 58 | < 5 | 2 | 78 | < 0.01 | < 10 | < 10 | 12 | < 10 | 110 |
| GG 000N 0780W | 203 205 | < 1 | 0.01 | 7 | 320 | 32 | < 5 | 2 | 41 | 0.01 | < 10 | < 10 | 11 | < 10 | 66 |
| GG 000N 0790W | 203 205 | < 1 | 0.01 | 8 | 270 | 38 | < 5 | 2 | 38 | 0.01 | < 10 | < 10 | 12 | < 10 | 84 |

CERTIFICATION: B. Caufield

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P.O. Number :

## CERTIFICATE OF ANALYSIS A9024266

| SAMPLE DESCRIPTION | PREP CODE | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GG 000N 0800W | 203 205 | < 5 | 0.6 | 1.38 | 5 | 700 | < 0.5 | < 2 | 0.65 | 0.5 | 8 | 68 | 20 | 1.82 | < 10 | < 1 | 0.22 | 60 | 0.59 | 1060 |
| GG 000N 0810W | 203 205 | < 5 | 0.4 | 1.66 | 15 | 500 | < 0.5 | 2 | 0.35 | < 0.5 | 4 | 53 | 41 | 2.18 | < 10 | < 1 | 0.36 | 40 | 0.94 | 245 |
| GG 000N 0820W | 203 205 | < 5 | < 0.2 | 1.35 | 5 | 540 | < 0.5 | 2 | 0.27 | < 0.5 | 5 | 84 | 9 | 1.65 | < 10 | < 1 | 0.26 | 50 | 0.76 | 380 |
| GG 000N 0830W | 203 205 | < 5 | 0.4 | 1.60 | < 5 | 550 | < 0.5 | < 2 | 0.41 | < 0.5 | 5 | 51 | 11 | 1.66 | < 10 | < 1 | 0.28 | 50 | 0.78 | 235 |
| GG 000N 0840W | 203 205 | < 5 | < 0.2 | 1.48 | < 5 | 470 | < 0.5 | < 2 | 0.45 | < 0.5 | 4 | 65 | 12 | 1.55 | < 10 | < 1 | 0.22 | 50 | 0.83 | 230 |
| GG 000N 0850W | 203 205 | < 5 | 0.4 | 1.73 | 25 | 910 | < 0.5 | < 2 | 0.79 | 0.5 | 8 | 52 | 24 | 2.90 | < 10 | < 1 | 0.31 | 80 | 0.76 | 1160 |
| GG 000N 0860W | 203 205 | < 5 | 0.4 | 1.42 | 5 | 540 | < 0.5 | < 2 | 0.36 | < 0.5 | 4 | 56 | 15 | 1.58 | < 10 | < 1 | 0.25 | 50 | 0.76 | 255 |
| GG 000N 0870W | 203 205 | < 5 | 0.8 | 1.59 | 15 | 710 | < 0.5 | < 2 | 0.70 | 0.5 | 9 | 53 | 32 | 2.05 | < 10 | < 1 | 0.27 | 60 | 0.75 | 1725 |
| GG 000N 0880W | 203 205 | < 5 | 0.8 | 1.51 | 5 | 720 | < 0.5 | < 2 | 0.54 | < 0.5 | 6 | 38 | 25 | 1.80 | < 10 | < 1 | 0.27 | 50 | 0.78 | 400 |
| GG 000N 0890W | 203 205 | 15 | 0.8 | 1.51 | 15 | 1100 | < 0.5 | < 2 | 0.73 | 0.5 | 9 | 53 | 38 | 1.82 | < 10 | < 1 | 0.36 | 40 | 0.50 | 1720 |
| GG 000N 0900W | 203 205 | < 5 | < 0.2 | 1.17 | 40 | 490 | < 0.5 | < 2 | 0.26 | < 0.5 | 4 | 49 | 35 | 1.73 | < 10 | < 1 | 0.25 | 50 | 0.50 | 350 |
| GG 000N 0910W | 203 205 | 10 | 0.4 | 1.46 | 20 | 810 | < 0.5 | < 2 | 0.46 | < 0.5 | 8 | 50 | 36 | 2.03 | < 10 | < 1 | 0.28 | 50 | 0.56 | 775 |
| GG 000N 0920W | 203 205 | < 5 | 0.8 | 1.49 | 20 | 660 | < 0.5 | < 2 | 0.33 | < 0.5 | 6 | 59 | 32 | 2.00 | < 10 | < 1 | 0.26 | 40 | 0.52 | 370 |
| GG 000N 0930W | 203 205 | < 5 | 0.4 | 1.33 | 30 | 790 | < 0.5 | < 2 | 0.37 | < 0.5 | 8 | 43 | 45 | 1.86 | < 10 | < 1 | 0.28 | 50 | 0.53 | 630 |
| GG 000N 0940W | 203 205 | < 5 | < 0.2 | 1.07 | 5 | 380 | < 0.5 | < 2 | 0.24 | < 0.5 | 3 | 69 | 14 | 1.51 | < 10 | < 1 | 0.37 | 40 | 0.51 | 190 |
| GG 000N 0950W | 203 205 | < 5 | 1.2 | 1.15 | 5 | 1080 | < 0.5 | < 2 | 0.78 | 1.0 | 3 | 45 | 34 | 1.43 | < 10 | < 1 | 0.29 | 40 | 0.32 | 250 |
| GG 000N 0960W | 203 205 | 15 | 0.8 | 1.15 | 5 | 560 | < 0.5 | < 2 | 0.43 | 0.5 | 4 | 75 | 27 | 1.71 | < 10 | < 1 | 0.32 | 30 | 0.40 | 195 |
| GG 000N 0970W | 203 205 | 30 | 1.2 | 1.39 | 10 | 860 | < 0.5 | < 2 | 0.82 | 0.5 | 6 | 62 | 36 | 1.94 | < 10 | < 1 | 0.30 | 40 | 0.44 | 1100 |
| GG 000N 0980W | 203 205 | 25 | 1.2 | 1.53 | < 5 | 780 | < 0.5 | < 2 | 1.11 | 0.5 | 7 | 78 | 39 | 2.41 | < 10 | < 1 | 0.35 | 40 | 0.84 | 395 |
| GG 000N 0990W | 203 205 | 10 | 0.4 | 1.90 | 25 | 970 | < 0.5 | < 2 | 1.07 | < 0.5 | 11 | 66 | 36 | 2.79 | < 10 | < 1 | 0.24 | 40 | 0.65 | 1685 |
| GG 000N 1000W | 203 205 | < 5 | 0.6 | 1.46 | 10 | 840 | < 0.5 | < 2 | 0.77 | 0.5 | 6 | 73 | 34 | 2.17 | < 10 | < 1 | 0.22 | 40 | 0.56 | 805 |
| GG 000N 1010W | 203 205 | 5 | 0.4 | 1.50 | < 5 | 730 | < 0.5 | < 2 | 0.57 | < 0.5 | 4 | 66 | 26 | 1.72 | < 10 | < 1 | 0.20 | 40 | 0.55 | 185 |
| GG 000N 1020W | 203 205 | < 5 | < 0.2 | 0.95 | 10 | 410 | < 0.5 | 2 | 0.26 | < 0.5 | 6 | 73 | 12 | 1.56 | < 10 | < 1 | 0.16 | 20 | 0.35 | 395 |
| GG 000N 1030W | 203 205 | < 5 | < 0.2 | 1.21 | 5 | 510 | < 0.5 | < 2 | 0.32 | < 0.5 | 5 | 64 | 15 | 1.79 | < 10 | < 1 | 0.20 | 30 | 0.42 | 365 |
| GG 000N 1040W | 203 205 | < 5 | < 0.2 | 1.45 | 5 | 590 | < 0.5 | < 2 | 0.38 | < 0.5 | 6 | 70 | 16 | 2.10 | < 10 | < 1 | 0.29 | 50 | 0.74 | 460 |
| GG 000N 1050W | 203 205 | < 5 | < 0.2 | 1.16 | 5 | 330 | < 0.5 | < 2 | 0.19 | < 0.5 | 4 | 68 | 11 | 1.63 | < 10 | < 1 | 0.29 | 40 | 0.52 | 230 |
| GG 000N 1060W | 203 205 | < 5 | < 0.2 | 1.26 | 15 | 370 | < 0.5 | < 2 | 0.25 | < 0.5 | 7 | 67 | 12 | 2.13 | < 10 | < 1 | 0.28 | 30 | 0.69 | 575 |
| GG 000N 1070W | 203 205 | < 5 | < 0.2 | 1.01 | 10 | 280 | < 0.5 | < 2 | 0.22 | < 0.5 | 5 | 62 | 10 | 1.74 | < 10 | < 1 | 0.26 | 40 | 0.55 | 260 |
| GG 000N 1080W | 203 205 | < 5 | < 0.2 | 1.15 | 10 | 320 | < 0.5 | < 2 | 0.29 | < 0.5 | 5 | 61 | 12 | 1.80 | < 10 | < 1 | 0.25 | 40 | 0.54 | 260 |
| GG 000N 1090W | 203 205 | < 5 | < 0.2 | 1.35 | 5 | 470 | < 0.5 | < 2 | 0.27 | < 0.5 | 5 | 57 | 8 | 1.86 | < 10 | < 1 | 0.32 | 40 | 0.48 | 480 |
| GG 000N 1100W | 203 205 | < 5 | < 0.2 | 1.48 | 15 | 280 | < 0.5 | 2 | 0.21 | < 0.5 | 4 | 53 | 11 | 2.27 | < 10 | < 1 | 0.32 | 40 | 0.71 | 195 |
| GG 000N 1110W | 203 205 | < 5 | < 0.2 | 1.54 | 25 | 410 | < 0.5 | < 2 | 0.25 | < 0.5 | 5 | 66 | 13 | 2.22 | < 10 | < 1 | 0.35 | 40 | 0.68 | 590 |
| GG 000N 1120W | 203 205 | < 5 | < 0.2 | 1.54 | 20 | 380 | < 0.5 | < 2 | 0.28 | 0.5 | 6 | 62 | 12 | 2.32 | < 10 | < 1 | 0.46 | 50 | 0.85 | 465 |
| GG 000N 1130W | 203 205 | < 5 | < 0.2 | 1.25 | 10 | 310 | < 0.5 | < 2 | 0.24 | < 0.5 | 5 | 58 | 10 | 1.96 | < 10 | < 1 | 0.37 | 40 | 0.69 | 300 |
| GG 000N 1140W | 203 205 | < 5 | < 0.2 | 1.25 | 5 | 330 | < 0.5 | < 2 | 0.24 | < 0.5 | 5 | 65 | 11 | 1.94 | < 10 | < 1 | 0.32 | 40 | 0.62 | 250 |
| GG 000N 1150W | 203 205 | < 5 | < 0.2 | 1.22 | 5 | 290 | < 0.5 | < 2 | 0.17 | < 0.5 | 4 | 49 | 10 | 1.81 | < 10 | < 1 | 0.24 | 30 | 0.58 | 225 |
| GG 000N 1160W | 203 205 | < 5 | < 0.2 | 1.33 | 20 | 440 | < 0.5 | < 2 | 0.13 | < 0.5 | 5 | 48 | 11 | 1.86 | < 10 | < 1 | 0.43 | 50 | 0.45 | 395 |
| GG 000N 1170W | 203 205 | < 5 | < 0.2 | 1.44 | 5 | 420 | < 0.5 | < 2 | 0.19 | < 0.5 | 4 | 46 | 10 | 2.04 | < 10 | < 1 | 0.33 | 40 | 0.63 | 200 |
| GG 000N 1180W | 203 205 | < 5 | < 0.2 | 1.16 | < 5 | 410 | < 0.5 | < 2 | 0.23 | < 0.5 | 2 | 54 | 7 | 1.52 | < 10 | < 1 | 0.40 | 20 | 0.23 | 265 |
| GG 000N 1190W | 203 205 | 45 | < 0.2 | 1.48 | 110 | 520 | < 0.5 | < 2 | 0.51 | < 0.5 | 7 | 39 | 24 | 2.86 | < 10 | < 1 | 0.47 | 50 | 0.90 | 410 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAWSON
Comments: CC: A. TROUP

Page Number : 3-B
Total Pages : 6
Invoice Date: 14-OCT-90
Invoice No. : I-9024266
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024266

| SAMPLE DESCRIPTION | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GG 000N 0800W | 203 205 | 1 | 0.01 | 13 | 450 | 52 | < 5 | 3 | 59 | 0.02 | < 10 | < 10 | 20 | < 10 | 86 |
| GG 000N 0810W | 203 205 | < 1 | 0.01 | 8 | 290 | 36 | < 5 | 3 | 39 | 0.04 | < 10 | < 10 | 20 | < 10 | 98 |
| GG 000N 0820W | 203 205 | < 1 | 0.01 | 7 | 240 | 50 | < 5 | 2 | 36 | 0.01 | < 10 | < 10 | 13 | < 10 | 82 |
| GG 000N 0830W | 203 205 | < 1 | 0.01 | 8 | 360 | 44 | < 5 | 3 | 43 | 0.01 | < 10 | < 10 | 16 | < 10 | 90 |
| GG 000N 0840W | 203 205 | < 1 | 0.01 | 8 | 300 | 38 | < 5 | 3 | 38 | 0.02 | < 10 | < 10 | 15 | < 10 | 84 |
| GG 000N 0850W | 203 205 | 2 | 0.01 | 11 | 550 | 56 | < 5 | 4 | 72 | 0.01 | < 10 | < 10 | 25 | < 10 | 100 |
| GG 000N 0860W | 203 205 | < 1 | 0.01 | 7 | 280 | 44 | < 5 | 3 | 37 | 0.03 | < 10 | < 10 | 17 | < 10 | 76 |
| GG 000N 0870W | 203 205 | 1 | 0.01 | 13 | 560 | 50 | < 5 | 3 | 60 | 0.02 | < 10 | < 10 | 20 | < 10 | 108 |
| GG 000N 0880W | 203 205 | < 1 | 0.01 | 10 | 400 | 40 | < 5 | 3 | 49 | 0.02 | < 10 | < 10 | 19 | < 10 | 84 |
| GG 000N 0890W | 203 205 | 1 | 0.01 | 17 | 460 | 42 | < 5 | 3 | 56 | 0.02 | < 10 | < 10 | 22 | < 10 | 104 |
| GG 000N 0900W | 203 205 | 2 | 0.01 | 10 | 370 | 60 | < 5 | 2 | 23 | 0.02 | < 10 | < 10 | 17 | < 10 | 90 |
| GG 000N 0910W | 203 205 | 1 | 0.01 | 16 | 400 | 42 | < 5 | 3 | 34 | 0.03 | < 10 | < 10 | 26 | < 10 | 78 |
| GG 000N 0920W | 203 205 | 1 | 0.01 | 13 | 390 | 36 | < 5 | 3 | 29 | 0.03 | < 10 | < 10 | 26 | < 10 | 76 |
| GG 000N 0930W | 203 205 | 2 | 0.01 | 15 | 480 | 42 | < 5 | 3 | 34 | 0.02 | < 10 | < 10 | 19 | < 10 | 82 |
| GG 000N 0940W | 203 205 | < 1 | 0.01 | 7 | 340 | 18 | < 5 | 2 | 20 | 0.04 | < 10 | < 10 | 14 | < 10 | 64 |
| GG 000N 0950W | 203 205 | < 1 | 0.01 | 14 | 700 | 30 | < 5 | 2 | 64 | 0.02 | < 10 | < 10 | 15 | < 10 | 70 |
| GG 000N 0960W | 203 205 | < 1 | 0.01 | 12 | 580 | 38 | < 5 | 2 | 32 | 0.02 | < 10 | < 10 | 19 | < 10 | 68 |
| GG 000N 0970W | 203 205 | 1 | 0.01 | 16 | 790 | 48 | < 5 | 3 | 62 | 0.02 | < 10 | < 10 | 21 | < 10 | 98 |
| GG 000N 0980W | 203 205 | < 1 | 0.01 | 19 | 900 | 46 | < 5 | 4 | 69 | 0.04 | < 10 | < 10 | 25 | < 10 | 82 |
| GG 000N 0990W | 203 205 | 1 | 0.01 | 20 | 700 | 32 | < 5 | 5 | 71 | 0.05 | < 10 | < 10 | 43 | < 10 | 76 |
| GG 000N 1000W | 203 205 | < 1 | 0.01 | 16 | 670 | 26 | < 5 | 4 | 58 | 0.03 | < 10 | < 10 | 30 | < 10 | 86 |
| GG 000N 1010W | 203 205 | < 1 | 0.01 | 14 | 330 | 26 | < 5 | 4 | 39 | 0.04 | < 10 | < 10 | 31 | < 10 | 60 |
| GG 000N 1020W | 203 205 | < 1 | 0.01 | 8 | 250 | 24 | < 5 | 2 | 18 | 0.03 | < 10 | < 10 | 24 | < 10 | 48 |
| GG 000N 1030W | 203 205 | < 1 | 0.01 | 10 | 430 | 20 | < 5 | 2 | 20 | 0.03 | < 10 | < 10 | 25 | < 10 | 64 |
| GG 000N 1040W | 203 205 | < 1 | 0.01 | 11 | 600 | 24 | < 5 | 3 | 28 | 0.03 | < 10 | < 10 | 21 | < 10 | 82 |
| GG 000N 1050W | 203 205 | < 1 | 0.01 | 6 | 390 | 24 | < 5 | 2 | 16 | 0.04 | < 10 | < 10 | 19 | < 10 | 60 |
| GG 000N 1060W | 203 205 | < 1 | 0.01 | 7 | 500 | 36 | < 5 | 2 | 19 | 0.03 | < 10 | < 10 | 18 | < 10 | 74 |
| GG 000N 1070W | 203 205 | < 1 | 0.01 | 6 | 440 | 20 | < 5 | 2 | 16 | 0.03 | < 10 | < 10 | 16 | < 10 | 64 |
| GG 000N 1080W | 203 205 | < 1 | 0.01 | 8 | 460 | 22 | < 5 | 3 | 19 | 0.04 | < 10 | < 10 | 22 | < 10 | 62 |
| GG 000N 1090W | 203 205 | < 1 | 0.01 | 7 | 310 | 10 | < 5 | 3 | 20 | 0.03 | < 10 | < 10 | 23 | < 10 | 58 |
| GG 000N 1100W | 203 205 | < 1 | 0.01 | 9 | 380 | 22 | < 5 | 3 | 16 | 0.04 | < 10 | < 10 | 26 | < 10 | 72 |
| GG 000N 1110W | 203 205 | < 1 | 0.01 | 9 | 430 | 24 | < 5 | 3 | 18 | 0.03 | < 10 | < 10 | 25 | < 10 | 82 |
| GG 000N 1120W | 203 205 | < 1 | 0.01 | 9 | 490 | 30 | < 5 | 5 | 19 | 0.03 | < 10 | < 10 | 20 | < 10 | 84 |
| GG 000N 1130W | 203 205 | < 1 | 0.01 | 6 | 400 | 24 | < 5 | 3 | 18 | 0.04 | < 10 | < 10 | 17 | < 10 | 66 |
| GG 000N 1140W | 203 205 | < 1 | 0.01 | 7 | 430 | 16 | < 5 | 3 | 17 | 0.05 | < 10 | < 10 | 22 | < 10 | 62 |
| GG 000N 1150W | 203 205 | < 1 | 0.01 | 6 | 340 | 24 | < 5 | 2 | 13 | 0.04 | < 10 | < 10 | 22 | < 10 | 54 |
| GG 000N 1160W | 203 205 | < 1 | 0.01 | 7 | 540 | 20 | < 5 | 3 | 10 | 0.01 | < 10 | < 10 | 18 | < 10 | 60 |
| GG 000N 1170W | 203 205 | < 1 | 0.01 | 8 | 360 | 18 | < 5 | 3 | 13 | 0.03 | < 10 | < 10 | 24 | < 10 | 66 |
| GG 000N 1180W | 203 205 | < 1 | 0.01 | 5 | 380 | 14 | < 5 | 2 | 16 | 0.03 | < 10 | < 10 | 24 | < 10 | 54 |
| GG 000N 1190W | 203 205 | 1 | 0.01 | 11 | 870 | 32 | < 5 | 9 | 26 | 0.13 | < 10 | < 10 | 21 | < 10 | 90 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAWSON
Comments: CC: A. TROUP


Invoice Date: 14-OCT-90
Invoice No. : I-9024266
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024266

| SAMPLE DESCRIPTION | PREP CODE | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GG 000N 1200W | 203 205 | < 5 | 0.6 | 1.54 | 15 | 370 | < 0.5 | < 2 | 0.21 | < 0.5 | 6 | 54 | 12 | 2.46 | 10 | < 1 | 0.22 | 20 | 0.56 | 305 |
| GG 000N 1210W | 203 205 | < 5 | 0.8 | 1.58 | 35 | 410 | < 0.5 | < 2 | 0.23 | < 0.5 | 4 | 40 | 22 | 3.02 | 10 | < 1 | 0.42 | 50 | 0.69 | 390 |
| GG 000N 1220W | 203 205 | < 5 | 0.6 | 1.26 | 10 | 330 | < 0.5 | < 2 | 0.16 | < 0.5 | 6 | 59 | 10 | 2.08 | 10 | < 1 | 0.27 | 30 | 0.55 | 270 |
| GG 000N 1230W | 203 205 | < 5 | 0.6 | 1.45 | 10 | 290 | < 0.5 | < 2 | 0.16 | < 0.5 | 8 | 55 | 9 | 2.41 | 10 | < 1 | 0.28 | 20 | 0.55 | 475 |
| GG 000N 1240W | 203 205 | < 5 | 0.8 | 1.41 | 15 | 380 | < 0.5 | < 2 | 0.28 | < 0.5 | 7 | 79 | 12 | 2.30 | 10 | < 1 | 0.39 | 30 | 0.61 | 425 |
| GG 000N 1250W | 203 205 | 15 | 0.6 | 1.78 | 75 | 420 | < 0.5 | < 2 | 0.30 | < 0.5 | 8 | 61 | 20 | 3.49 | 10 | < 1 | 0.45 | 30 | 0.70 | 630 |
| GG 000N 1260W | 203 205 | 50 | 0.8 | 1.73 | 100 | 420 | < 0.5 | < 2 | 0.28 | < 0.5 | 8 | 62 | 25 | 3.10 | 20 | < 1 | 0.42 | 30 | 0.71 | 600 |
| GG 000N 1270W | 203 205 | < 5 | 0.8 | 1.64 | 5 | 440 | < 0.5 | < 2 | 0.15 | < 0.5 | 5 | 66 | 10 | 2.06 | 10 | < 1 | 0.34 | 40 | 0.59 | 220 |
| GG 000N 1280W | 203 205 | < 5 | 0.6 | 1.65 | 25 | 530 | < 0.5 | < 2 | 0.24 | < 0.5 | 6 | 63 | 14 | 2.32 | 10 | < 1 | 0.33 | 30 | 0.60 | 455 |
| GG 000N 1290W | 203 205 | < 5 | 0.6 | 1.37 | 35 | 370 | < 0.5 | < 2 | 0.30 | < 0.5 | 7 | 45 | 15 | 2.38 | 10 | < 1 | 0.26 | 20 | 0.52 | 335 |
| GG 000N 1300W | 203 205 | < 5 | 0.4 | 1.33 | 10 | 350 | < 0.5 | < 2 | 0.19 | < 0.5 | 4 | 59 | 11 | 2.17 | 10 | < 1 | 0.28 | 20 | 0.47 | 240 |
| GG 000N 1310W | 203 205 | < 5 | 0.4 | 1.31 | 15 | 340 | < 0.5 | < 2 | 0.20 | < 0.5 | 4 | 46 | 12 | 2.19 | 10 | < 1 | 0.26 | 20 | 0.53 | 175 |
| GG 000N 1320W | 203 205 | 10 | 0.6 | 1.42 | 25 | 370 | < 0.5 | < 2 | 0.22 | < 0.5 | 5 | 53 | 14 | 2.30 | 10 | < 1 | 0.24 | 30 | 0.55 | 200 |
| GG 000N 1330W | 203 205 | 10 | 0.6 | 1.36 | 15 | 430 | < 0.5 | < 2 | 0.26 | < 0.5 | 6 | 64 | 14 | 2.18 | 10 | < 1 | 0.26 | 40 | 0.54 | 365 |
| GG 000N 1340W | 203 205 | 5 | 0.8 | 1.34 | 10 | 400 | < 0.5 | < 2 | 0.29 | < 0.5 | 5 | 54 | 14 | 2.06 | 10 | < 1 | 0.28 | 40 | 0.53 | 300 |
| GG 000N 1350W | 203 205 | 5 | 1.0 | 1.76 | 15 | 550 | < 0.5 | < 2 | 0.42 | < 0.5 | 8 | 63 | 17 | 2.45 | 10 | < 1 | 0.39 | 40 | 0.65 | 670 |
| GG 000N 1360W | 203 205 | < 5 | 0.8 | 1.49 | 10 | 450 | < 0.5 | < 2 | 0.24 | < 0.5 | 5 | 74 | 13 | 2.04 | 10 | < 1 | 0.31 | 40 | 0.52 | 275 |
| GG 000N 1370W | 203 205 | < 5 | 0.8 | 2.03 | 20 | 650 | 0.5 | < 2 | 0.23 | 0.5 | 11 | 69 | 16 | 2.28 | 10 | < 1 | 0.37 | 40 | 0.52 | 940 |
| GG 000N 1380W | 203 205 | < 5 | 0.6 | 1.45 | 50 | 330 | < 0.5 | < 2 | 0.45 | < 0.5 | 8 | 63 | 17 | 2.37 | 10 | < 1 | 0.31 | 30 | 0.60 | 525 |
| GG 000N 1390W | 203 205 | < 5 | 0.8 | 1.40 | 20 | 340 | < 0.5 | < 2 | 0.29 | < 0.5 | 6 | 59 | 13 | 2.18 | 10 | < 1 | 0.29 | 40 | 0.60 | 345 |
| GG 000N 1400W | 203 205 | < 5 | 0.8 | 1.26 | 30 | 280 | < 0.5 | < 2 | 0.31 | < 0.5 | 5 | 63 | 14 | 2.07 | 10 | < 1 | 0.26 | 30 | 0.52 | 300 |
| GG 000N 1410W | 203 205 | < 5 | 0.6 | 1.37 | 5 | 280 | < 0.5 | < 2 | 0.18 | < 0.5 | 5 | 60 | 9 | 1.85 | 10 | < 1 | 0.21 | 30 | 0.40 | 170 |
| GG 000N 1420W | 203 205 | < 5 | 0.8 | 1.35 | 5 | 340 | < 0.5 | < 2 | 0.22 | < 0.5 | 5 | 66 | 10 | 1.97 | 10 | < 1 | 0.35 | 40 | 0.64 | 260 |
| KSD 400S 0000E | 203 205 | 75 | 1.0 | 2.74 | 320 | 180 | < 0.5 | < 2 | 0.22 | < 0.5 | 14 | 46 | 69 | 4.49 | 10 | < 1 | 0.10 | 10 | 1.44 | 530 |
| KSD 400S 0015E | 203 205 | 70 | 1.6 | 2.76 | 295 | 220 | < 0.5 | < 2 | 0.30 | 0.5 | 20 | 49 | 93 | 4.70 | 10 | < 1 | 0.15 | 10 | 1.79 | 840 |
| KSD 400S 0030E | 203 205 | 75 | 0.8 | 1.59 | 100 | 160 | < 0.5 | < 2 | 0.18 | 0.5 | 5 | 64 | 39 | 2.33 | < 10 | < 1 | 0.11 | 10 | 0.38 | 190 |
| KSD 400S 0045E | 203 205 | 35 | 0.8 | 2.69 | 545 | 230 | < 0.5 | < 2 | 0.30 | 1.5 | 17 | 68 | 69 | 5.09 | 10 | < 1 | 0.23 | 10 | 1.58 | 740 |
| KSD 400S 0060E | 203 205 | 330 | 4.4 | 2.50 | 1170 | 160 | < 0.5 | < 2 | 0.63 | 10.5 | 33 | 52 | 191 | 5.65 | 10 | < 1 | 0.28 | 10 | 2.68 | 1200 |
| KSD 400S 0090E | 203 205 | 120 | 0.8 | 3.13 | 2480 | 120 | < 0.5 | < 2 | 0.97 | < 0.5 | 45 | 47 | 114 | 6.85 | 10 | < 1 | 0.35 | 10 | 3.83 | 1645 |
| KSD 400S 0105E | 203 205 | 115 | 1.4 | 1.78 | 85 | 200 | < 0.5 | 2 | 0.29 | 1.5 | 11 | 74 | 42 | 2.96 | < 10 | < 1 | 0.11 | 10 | 0.88 | 440 |
| KSD 400S 0120E | 203 205 | 265 | 13.4 | 2.46 | 670 | 190 | < 0.5 | < 2 | 0.29 | 4.0 | 11 | 66 | 1065 | 4.23 | 10 | < 1 | 0.16 | 10 | 1.55 | 505 |
| KSD 400S 0135E | 203 205 | 70 | 11.8 | 2.44 | 515 | 190 | < 0.5 | < 2 | 0.48 | 4.5 | 19 | 86 | 115 | 4.47 | 10 | < 1 | 0.17 | 10 | 1.73 | 855 |
| KSD 400S 0150E | 203 205 | 25 | 3.0 | 2.56 | 325 | 220 | < 0.5 | < 2 | 0.25 | 1.0 | 12 | 73 | 61 | 4.22 | 10 | < 1 | 0.15 | 20 | 1.30 | 485 |
| KSD 400S 0165E | 203 205 | 10 | 1.4 | 2.34 | 160 | 190 | < 0.5 | < 2 | 0.24 | 0.5 | 9 | 72 | 30 | 3.56 | 10 | < 1 | 0.14 | 20 | 0.90 | 345 |
| KSD 400S 0180E | 203 205 | 40 | 9.0 | 2.58 | 400 | 190 | < 0.5 | < 2 | 0.29 | 2.5 | 13 | 66 | 106 | 4.45 | 10 | < 1 | 0.18 | 10 | 1.70 | 530 |
| KSD 400S 0195E | 203 205 | 35 | 9.6 | 3.58 | 180 | 160 | < 0.5 | < 2 | 0.22 | 2.5 | 26 | 63 | 116 | 5.94 | 10 | < 1 | 0.23 | 10 | 3.15 | 1100 |
| KSD 400S 0210E | 203 205 | 25 | 5.2 | 2.62 | 75 | 210 | < 0.5 | < 2 | 0.27 | 1.5 | 12 | 60 | 77 | 3.80 | 10 | < 1 | 0.14 | 20 | 1.15 | 505 |
| KSD 400S 0225E | 203 205 | 15 | 2.2 | 3.18 | 145 | 140 | < 0.5 | < 2 | 0.22 | 1.0 | 23 | 63 | 75 | 5.27 | 10 | < 1 | 0.13 | 10 | 2.60 | 1010 |
| KSD 400S 0240E | 203 205 | 20 | 0.8 | 2.99 | 130 | 170 | < 0.5 | < 2 | 0.16 | 1.0 | 16 | 60 | 59 | 5.10 | 10 | < 1 | 0.14 | 10 | 1.77 | 625 |
| KSD 400S 0255E | 203 205 | 30 | 2.4 | 2.75 | 50 | 170 | < 0.5 | < 2 | 0.19 | 0.5 | 17 | 52 | 58 | 4.33 | 10 | < 1 | 0.11 | 10 | 1.38 | 770 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAWSON
Comments: CC: A. TROUP


Invoice Date: 14-OCT-90
Invoice No. : I-9024266
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024266

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GG 000N 1200W | 203 | 205 | 1 | 0.01 | 10 | 360 | 24 | < 5 | 3 | 15 | 0.06 | < 10 | < 10 | 40 | < 10 | 60 |
| GG 000N 1210W | 203 | 205 | 1 | 0.01 | 9 | 780 | 46 | < 5 | 6 | 12 | 0.01 | < 10 | < 10 | 21 | < 10 | 138 |
| GG 000N 1220W | 203 | 205 | 1 | 0.01 | 8 | 360 | 14 | < 5 | 2 | 12 | 0.05 | < 10 | < 10 | 26 | < 10 | 56 |
| GG 000N 1230W | 203 | 205 | < 1 | 0.01 | 8 | 500 | 20 | < 5 | 3 | 11 | 0.05 | < 10 | < 10 | 36 | < 10 | 58 |
| GG 000N 1240W | 203 | 205 | < 1 | 0.01 | 9 | 520 | 20 | < 5 | 4 | 17 | 0.09 | < 10 | < 10 | 26 | < 10 | 64 |
| GG 000N 1250W | 203 | 205 | 1 | 0.01 | 12 | 1020 | 24 | < 5 | 7 | 16 | 0.07 | < 10 | < 10 | 31 | < 10 | 96 |
| GG 000N 1260W | 203 | 205 | 1 | 0.01 | 13 | 610 | 46 | < 5 | 7 | 17 | 0.06 | < 10 | < 10 | 28 | < 10 | 116 |
| GG 000N 1270W | 203 | 205 | < 1 | 0.01 | 8 | 190 | 22 | < 5 | 4 | 12 | 0.05 | < 10 | < 10 | 25 | < 10 | 60 |
| GG 000N 1280W | 203 | 205 | < 1 | 0.01 | 9 | 360 | 18 | < 5 | 5 | 18 | 0.06 | < 10 | < 10 | 31 | < 10 | 66 |
| GG 000N 1290W | 203 | 205 | < 1 | 0.01 | 9 | 520 | 18 | < 5 | 5 | 16 | 0.09 | < 10 | < 10 | 27 | < 10 | 64 |
| GG 000N 1300W | 203 | 205 | < 1 | 0.01 | 8 | 400 | 16 | < 5 | 3 | 12 | 0.05 | < 10 | < 10 | 26 | < 10 | 56 |
| GG 000N 1310W | 203 | 205 | < 1 | 0.01 | 8 | 320 | 22 | < 5 | 4 | 12 | 0.07 | < 10 | < 10 | 24 | < 10 | 64 |
| GG 000N 1320W | 203 | 205 | < 1 | 0.01 | 10 | 260 | 16 | < 5 | 4 | 15 | 0.07 | < 10 | < 10 | 29 | < 10 | 64 |
| GG 000N 1330W | 203 | 205 | < 1 | 0.01 | 9 | 470 | 22 | < 5 | 4 | 19 | 0.04 | < 10 | < 10 | 26 | < 10 | 68 |
| GG 000N 1340W | 203 | 205 | < 1 | 0.01 | 9 | 460 | 18 | < 5 | 5 | 18 | 0.04 | < 10 | < 10 | 24 | < 10 | 70 |
| GG 000N 1350W | 203 | 205 | < 1 | 0.01 | 13 | 580 | 24 | < 5 | 6 | 31 | 0.04 | < 10 | < 10 | 28 | < 10 | 88 |
| GG 000N 1360W | 203 | 205 | < 1 | 0.02 | 8 | 420 | 20 | < 5 | 4 | 18 | 0.05 | < 10 | < 10 | 25 | < 10 | 66 |
| GG 000N 1370W | 203 | 205 | 1 | 0.01 | 11 | 640 | 28 | < 5 | 3 | 21 | 0.02 | < 10 | < 10 | 27 | < 10 | 72 |
| GG 000N 1380W | 203 | 205 | 1 | 0.01 | 11 | 680 | 68 | < 5 | 5 | 24 | 0.07 | < 10 | < 10 | 24 | < 10 | 96 |
| GG 000N 1390W | 203 | 205 | 1 | 0.01 | 9 | 450 | 42 | < 5 | 3 | 20 | 0.04 | < 10 | < 10 | 23 | < 10 | 76 |
| GG 000N 1400W | 203 | 205 | 1 | 0.01 | 9 | 480 | 40 | < 5 | 4 | 21 | 0.04 | < 10 | < 10 | 23 | < 10 | 72 |
| GG 000N 1410W | 203 | 205 | < 1 | 0.01 | 7 | 260 | 20 | < 5 | 2 | 14 | 0.05 | < 10 | < 10 | 29 | < 10 | 46 |
| GG 000N 1420W | 203 | 205 | < 1 | 0.01 | 7 | 360 | 24 | < 5 | 2 | 16 | 0.04 | < 10 | < 10 | 19 | < 10 | 62 |
| KSD 400S 0000E | 203 | 205 | 1 | 0.01 | 19 | 410 | 130 | 5 | 9 | 12 | 0.05 | < 10 | < 10 | 74 | < 10 | 144 |
| KSD 400S 0015E | 203 | 205 | 1 | 0.01 | 21 | 360 | 172 | < 5 | 11 | 18 | 0.04 | < 10 | < 10 | 75 | 10 | 222 |
| KSD 400S 0030E | 203 | 205 | 1 | 0.03 | 8 | 860 | 130 | < 5 | 2 | 17 | 0.03 | < 10 | < 10 | 47 | < 10 | 78 |
| KSD 400S 0045E | 203 | 205 | 1 | 0.02 | 17 | 610 | 170 | < 5 | 6 | 17 | 0.05 | < 10 | < 10 | 70 | 10 | 222 |
| KSD 400S 0060E | 203 | 205 | 7 | 0.01 | 26 | 490 | 428 | < 5 | 8 | 33 | 0.03 | < 10 | < 10 | 49 | 30 | 768 |
| KSD 400S 0090E | 203 | 205 | 1 | 0.01 | 35 | 190 | 84 | 5 | 14 | 57 | 0.03 | < 10 | < 10 | 70 | 10 | 166 |
| KSD 400S 0105E | 203 | 205 | 1 | 0.02 | 13 | 480 | 68 | < 5 | 5 | 15 | 0.04 | < 10 | < 10 | 50 | < 10 | 96 |
| KSD 400S 0120E | 203 | 205 | 2 | 0.01 | 23 | 650 | 900 | 5 | 6 | 15 | 0.03 | < 10 | < 10 | 53 | 20 | 638 |
| KSD 400S 0135E | 203 | 205 | 2 | 0.01 | 21 | 880 | 604 | 5 | 6 | 16 | 0.02 | < 10 | < 10 | 55 | < 10 | 424 |
| KSD 400S 0150E | 203 | 205 | 1 | 0.01 | 23 | 590 | 244 | < 5 | 6 | 13 | 0.05 | < 10 | < 10 | 62 | < 10 | 266 |
| KSD 400S 0165E | 203 | 205 | 1 | 0.02 | 17 | 380 | 114 | < 5 | 5 | 16 | 0.07 | < 10 | < 10 | 65 | < 10 | 140 |
| KSD 400S 0180E | 203 | 205 | 1 | 0.02 | 17 | 450 | 378 | 5 | 9 | 15 | 0.07 | < 10 | < 10 | 79 | 20 | 284 |
| KSD 400S 0195E | 203 | 205 | 1 | 0.01 | 24 | 400 | 614 | 10 | 13 | 10 | 0.06 | < 10 | < 10 | 93 | 10 | 568 |
| KSD 400S 0210E | 203 | 205 | < 1 | 0.02 | 26 | 260 | 272 | < 5 | 9 | 17 | 0.08 | < 10 | < 10 | 74 | 10 | 270 |
| KSD 400S 0225E | 203 | 205 | 1 | 0.01 | 27 | 440 | 176 | < 5 | 12 | 10 | 0.05 | < 10 | < 10 | 109 | < 10 | 288 |
| KSD 400S 0240E | 203 | 205 | < 1 | 0.01 | 21 | 240 | 80 | < 5 | 10 | 10 | 0.07 | < 10 | < 10 | 110 | 10 | 228 |
| KSD 400S 0255E | 203 | 205 | < 1 | 0.01 | 25 | 320 | 166 | < 5 | 8 | 11 | 0.05 | < 10 | < 10 | 79 | < 10 | 170 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9024236

Comments: CC: ART TROUP

## CERTIFICATE A9024236

ARBOR RESOURCES INC.

Project: AOR-DAW
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 11-OCT-90.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 203 | 24 | Dry, sieve to -35 mesh |
| 205 | 24 | Geochem ring to approx 150 mesh |
| 238 | 24 | NITRIC-AQUA REGIA DIGESTION |
| * 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 | 24 | Au ppb: Fuse 10 g sample | FA-AAS | 5 | 10000 |
| 922 | 24 | Ag ppm: 32 element, soil & rock | ICP-AES | 0.2 | 200. |
| 921 | 24 | Al %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 923 | 24 | As ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 924 | 24 | Ba ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 925 | 24 | Be ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 926 | 24 | Bi ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 927 | 24 | Ca %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 928 | 24 | Cd ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 929 | 24 | Co ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 930 | 24 | Cr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 931 | 24 | Cu ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 932 | 24 | Fe %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 933 | 24 | Ga ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 951 | 24 | Hg ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 934 | 24 | K %: 32 element, soil & rock | ICP-AES | 0.01 | 10.00 |
| 935 | 24 | La ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 936 | 24 | Mg %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 937 | 24 | Mn ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 938 | 24 | Mo ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 939 | 24 | Na %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 940 | 24 | Ni ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 941 | 24 | P ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 942 | 24 | Pb ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 943 | 24 | Sb ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 958 | 24 | Sc ppm: 32 elements, soil & rock | ICP-AES | 1 | 10000 |
| 944 | 24 | Sr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 945 | 24 | Ti %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 946 | 24 | Tl ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 947 | 24 | U ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 948 | 24 | V ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 949 | 24 | W ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 950 | 24 | Zn ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |

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To: ARBOR RESOURCES INC.
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VANCOUVER, BC
V6B 1N2

Project : AOR-DAW
Comments: CC: ART TROUP

Page Number : 1-A
Total Pages : 1
Invoice Date: 11-OCT-90
Invoice No. : I-9024236
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024236

| SAMPLE DESCRIPTION | PREP CODE | | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FG-BENCH-240S | 203 | 205 | 10 | < 0.2 | 2.22 | < 5 | 330 | < 0.5 | < 2 | 0.25 | < 0.5 | 11 | 125 | 18 | 2.91 | < 10 | < 1 | 0.26 | 20 | 1.59 | 300 |
| FG-BENCH-270S | 203 | 205 | < 5 | < 0.2 | 2.95 | < 5 | 190 | < 0.5 | < 2 | 0.28 | < 0.5 | 13 | 107 | 24 | 4.04 | < 10 | < 1 | 0.21 | 20 | 2.60 | 480 |
| FG-BENCH-300S | 203 | 205 | < 5 | < 0.2 | 1.55 | < 5 | 400 | < 0.5 | < 2 | 0.22 | < 0.5 | 9 | 121 | 15 | 1.83 | < 10 | < 1 | 0.27 | 30 | 0.91 | 195 |
| FG-BENCH-330S | 203 | 205 | 15 | 0.6 | 1.91 | 10 | 340 | < 0.5 | < 2 | 0.28 | < 0.5 | 7 | 84 | 29 | 3.31 | < 10 | < 1 | 0.24 | 30 | 1.27 | 265 |
| FG-BENCH-360S | 203 | 205 | 10 | 0.8 | 2.28 | 10 | 380 | < 0.5 | < 2 | 0.17 | < 0.5 | 2 | 79 | 16 | 4.28 | < 10 | < 1 | 0.36 | 10 | 2.15 | 340 |
| FG-BENCH-390S | 203 | 205 | < 5 | 0.4 | 2.28 | 5 | 360 | < 0.5 | < 2 | 0.34 | < 0.5 | 12 | 82 | 46 | 4.02 | < 10 | < 1 | 0.15 | 30 | 1.60 | 375 |
| FG-BENCH-420S | 203 | 205 | < 5 | < 0.2 | 1.91 | 10 | 230 | < 0.5 | < 2 | 0.38 | < 0.5 | 9 | 58 | 39 | 3.63 | < 10 | < 1 | 0.15 | 30 | 1.19 | 305 |
| FG-BENCH-450S | 203 | 205 | < 5 | < 0.2 | 0.84 | < 5 | 300 | < 0.5 | < 2 | 0.10 | < 0.5 | 3 | 64 | 13 | 1.38 | < 10 | < 1 | 0.19 | 20 | 0.29 | 105 |
| FG-RD-180 | 203 | 205 | 15 | < 0.2 | 0.86 | < 5 | 150 | < 0.5 | < 2 | 0.15 | < 0.5 | 3 | 68 | 12 | 1.30 | < 10 | < 1 | 0.13 | 10 | 0.47 | 95 |
| FG-RD-190 | 203 | 205 | 5 | 0.4 | 2.21 | 25 | 720 | < 0.5 | < 2 | 0.41 | 0.5 | 17 | 90 | 37 | 4.03 | < 10 | < 1 | 0.21 | 30 | 1.77 | 600 |
| FG-RD-200 | 203 | 205 | 15 | 0.4 | 1.52 | 20 | 270 | < 0.5 | < 2 | 0.33 | < 0.5 | 6 | 73 | 20 | 2.46 | < 10 | < 1 | 0.31 | 30 | 0.52 | 260 |
| FG-RD-210 | 203 | 205 | < 5 | < 0.2 | 0.63 | < 5 | 470 | < 0.5 | < 2 | 0.25 | 0.5 | 2 | 28 | 3 | 0.59 | < 10 | < 1 | 0.39 | 40 | 0.11 | 320 |
| FG-RD-220 | 203 | 205 | 10 | 2.0 | 1.69 | 100 | 370 | < 0.5 | < 2 | 0.23 | 1.0 | 13 | 118 | 63 | 5.43 | < 10 | < 1 | 0.29 | 10 | 1.31 | 355 |
| FG-RD-230 | 203 | 205 | 130 | 9.8 | 1.27 | 70 | 540 | < 0.5 | < 2 | 0.28 | 1.5 | 11 | 32 | 47 | 7.32 | < 10 | 1 | 0.58 | 30 | 0.75 | 420 |
| FG-RD-240 | 203 | 205 | 15 | 2.0 | 4.02 | 130 | 150 | < 0.5 | < 2 | 0.19 | 3.0 | 43 | 292 | 81 | 7.36 | < 10 | < 1 | 0.10 | 10 | 4.03 | 1385 |
| FG-RD-250 | 203 | 205 | 15 | 0.6 | 3.47 | 30 | 230 | < 0.5 | < 2 | 0.11 | < 0.5 | 7 | 74 | 50 | 5.36 | < 10 | < 1 | 0.22 | 20 | 3.01 | 390 |
| FG-RD-260 | 203 | 205 | 15 | 1.8 | 3.81 | 75 | 150 | < 0.5 | < 2 | 0.20 | 2.5 | 46 | 195 | 78 | 7.40 | < 10 | < 1 | 0.15 | 10 | 3.77 | 1405 |
| FG-RD-270 | 203 | 205 | 10 | 0.6 | 2.73 | 15 | 160 | < 0.5 | < 2 | 0.08 | 0.5 | 6 | 49 | 43 | 4.35 | < 10 | < 1 | 0.22 | 20 | 2.54 | 360 |
| FG-RD-280 | 203 | 205 | 30 | 0.8 | 2.86 | 85 | 170 | < 0.5 | < 2 | 0.17 | 1.0 | 12 | 42 | 79 | 5.00 | < 10 | < 1 | 0.28 | 30 | 2.47 | 595 |
| FG-RD-290 | 203 | 205 | 2400 | 2.0 | 2.15 | 525 | 140 | < 0.5 | < 2 | 0.54 | 1.5 | 25 | 46 | 78 | 7.77 | < 10 | < 1 | 0.33 | 20 | 2.15 | 960 |
| FG-RD-300 | 203 | 205 | 5 | < 0.2 | 2.16 | 25 | 250 | < 0.5 | < 2 | 0.24 | < 0.5 | 15 | 64 | 40 | 3.65 | < 10 | < 1 | 0.17 | 20 | 1.60 | 365 |
| FG-RD-310 | 203 | 205 | 10 | < 0.2 | 1.82 | 55 | 320 | < 0.5 | < 2 | 0.23 | 0.5 | 12 | 79 | 51 | 3.30 | < 10 | < 1 | 0.17 | 20 | 1.26 | 345 |
| FG-RD-320 | 203 | 205 | < 5 | < 0.2 | 1.66 | 25 | 290 | < 0.5 | < 2 | 0.27 | < 0.5 | 13 | 68 | 40 | 3.14 | < 10 | 1 | 0.13 | 20 | 0.81 | 400 |
| FG-RD-330 | 203 | 205 | < 5 | < 0.2 | 0.91 | 15 | 230 | < 0.5 | < 2 | 0.12 | < 0.5 | 4 | 127 | 14 | 1.57 | < 10 | < 1 | 0.17 | 10 | 0.54 | 140 |

CERTIFICATION: B. Caplan

# Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAW
Comments: CC: ART TROUP


Invoice Date: 11-OCT-90
Invoice No. : I-9024236
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024236

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FG-BENCH-240S | 203 | 205 | < 1 | 0.01 | 18 | 700 | 16 | < 5 | 3 | 14 | 0.02 | < 10 | < 10 | 36 | < 10 | 136 |
| FG-BENCH-270S | 203 | 205 | < 1 | 0.01 | 20 | 920 | 8 | < 5 | 3 | 11 | 0.02 | < 10 | < 10 | 51 | < 10 | 152 |
| FG-BENCH-300S | 203 | 205 | < 1 | 0.01 | 19 | 590 | 12 | < 5 | 2 | 17 | 0.01 | < 10 | < 10 | 18 | < 10 | 100 |
| FG-BENCH-330S | 203 | 205 | 2 | 0.02 | 16 | 930 | 32 | < 5 | 4 | 35 | 0.02 | < 10 | < 10 | 35 | < 10 | 116 |
| FG-BENCH-360S | 203 | 205 | 3 | 0.05 | 12 | 790 | 36 | 5 | 4 | 80 | < 0.01 | < 10 | < 10 | 45 | < 10 | 104 |
| FG-BENCH-390S | 203 | 205 | 2 | 0.01 | 24 | 940 | 20 | < 5 | 5 | 16 | 0.02 | < 10 | < 10 | 58 | < 10 | 142 |
| FG-BENCH-420S | 203 | 205 | 2 | 0.01 | 18 | 1050 | 18 | < 5 | 4 | 15 | 0.01 | < 10 | < 10 | 47 | < 10 | 134 |
| FG-BENCH-450S | 203 | 205 | < 1 | 0.01 | 7 | 150 | 20 | < 5 | 2 | 9 | 0.01 | < 10 | < 10 | 17 | < 10 | 50 |
| FG-RD-180 | 203 | 205 | < 1 | 0.01 | 6 | 380 | 14 | < 5 | 1 | 8 | 0.02 | < 10 | < 10 | 16 | < 10 | 56 |
| FG-RD-190 | 203 | 205 | < 1 | 0.03 | 35 | 700 | 54 | 5 | 4 | 28 | 0.02 | < 10 | < 10 | 41 | < 10 | 170 |
| FG-RD-200 | 203 | 205 | < 1 | 0.01 | 13 | 460 | 22 | < 5 | 3 | 12 | < 0.01 | < 10 | < 10 | 23 | < 10 | 86 |
| FG-RD-210 | 203 | 205 | < 1 | 0.01 | 1 | 90 | 18 | < 5 | 1 | 11 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 46 |
| FG-RD-220 | 203 | 205 | 2 | 0.04 | 42 | 910 | 366 | 5 | 4 | 113 | 0.02 | < 10 | < 10 | 34 | < 10 | 224 |
| FG-RD-230 | 203 | 205 | 2 | 0.11 | 15 | 1500 | 2020 | 5 | 6 | 342 | 0.01 | < 10 | < 10 | 17 | < 10 | 596 |
| FG-RD-240 | 203 | 205 | < 1 | 0.01 | 138 | 550 | 138 | < 5 | 12 | 30 | 0.02 | < 10 | < 10 | 100 | < 10 | 332 |
| FG-RD-250 | 203 | 205 | 1 | 0.02 | 20 | 540 | 64 | 5 | 4 | 26 | 0.03 | < 10 | < 10 | 70 | < 10 | 172 |
| FG-RD-260 | 203 | 205 | < 1 | 0.01 | 115 | 780 | 230 | < 5 | 10 | 22 | 0.03 | < 10 | < 10 | 89 | < 10 | 368 |
| FG-RD-270 | 203 | 205 | 1 | 0.01 | 15 | 600 | 322 | < 5 | 3 | 59 | < 0.01 | < 10 | < 10 | 35 | < 10 | 332 |
| FG-RD-280 | 203 | 205 | 1 | 0.01 | 22 | 870 | 256 | < 5 | 4 | 68 | 0.01 | < 10 | < 10 | 36 | < 10 | 446 |
| FG-RD-290 | 203 | 205 | 9 | 0.01 | 48 | 1340 | 38 | 5 | 7 | 27 | 0.08 | < 10 | < 10 | 47 | < 10 | 280 |
| FG-RD-300 | 203 | 205 | 2 | 0.01 | 35 | 710 | 18 | < 5 | 4 | 17 | 0.02 | < 10 | < 10 | 45 | < 10 | 114 |
| FG-RD-310 | 203 | 205 | 7 | 0.01 | 61 | 470 | 20 | < 5 | 3 | 27 | 0.05 | < 10 | < 10 | 39 | < 10 | 144 |
| FG-RD-320 | 203 | 205 | 3 | 0.02 | 40 | 420 | 12 | < 5 | 5 | 30 | 0.07 | < 10 | < 10 | 54 | < 10 | 82 |
| FG-RD-330 | 203 | 205 | 1 | 0.01 | 14 | 320 | 12 | < 5 | 2 | 11 | 0.01 | < 10 | < 10 | 17 | < 10 | 52 |

CERTIFICATION: B. Caplette

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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V7V 1C9

Project : DAWSON
Comments:


Invoice Date: 22-AUG-90
Invoice No. : I-9020957
P.O. Number : NONE

## CERTIFICATE OF ANALYSIS A9020957

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108201 | 208 | 294 | < 1 | < 0.01 | 8 | 90 | 12 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | 1 | < 10 | 8 |
| 108202 | 208 | 294 | < 1 | 0.01 | 6 | 50 | 30 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | 8 |
| 108203 | 208 | 294 | < 1 | 0.02 | 1 | 220 | 24 | < 5 | 1 | 11 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 22 |
| 108204 | 208 | 294 | 1 | 0.01 | 6 | 20 | 4 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 2 |
| 108205 | 208 | 294 | < 1 | 0.01 | 185 | 1490 | 944 | 5 | 6 | 14 | < 0.01 | 10 | < 10 | 36 | < 10 | 506 |
| 108206 | 208 | 294 | 2 | < 0.01 | 727 | 70 | 32 | < 5 | 16 | 20 | 0.01 | 10 | < 10 | 28 | < 10 | 112 |
| 108207 | 208 | 294 | < 1 | < 0.01 | 10 | 30 | 10 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 6 |
| 108208 | 208 | 294 | 4 | 0.01 | 16 | 180 | 14 | 5 | 1 | 9 | 0.02 | < 10 | < 10 | 8 | < 10 | 18 |
| 108209 | 208 | 294 | < 1 | 0.02 | 2 | 40 | 6 | < 5 | < 1 | 11 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 18 |
| 108210 | 208 | 294 | < 1 | 0.16 | 28 | 1570 | < 2 | 5 | 18 | 89 | 0.46 | < 10 | < 10 | 156 | < 10 | 110 |
| 108211 | 208 | 294 | < 1 | < 0.01 | 2 | 10 | 4 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 2 | < 10 | 4 |
| 108212 | 208 | 294 | < 1 | 0.05 | 2 | 90 | 2 | < 5 | < 1 | 8 | < 0.01 | < 10 | < 10 | 2 | < 10 | 28 |
| 108251 | 208 | 294 | < 1 | 0.02 | 2 | 40 | 6 | < 5 | < 1 | 38 | < 0.01 | < 10 | < 10 | 1 | < 10 | 6 |
| 108252 | 208 | 294 | < 1 | 0.01 | 4 | 30 | 4 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | 1 | < 10 | 8 |
| 108253 | 208 | 294 | < 1 | 0.04 | < 1 | 270 | 26 | < 5 | 1 | 10 | < 0.01 | < 10 | < 10 | 4 | < 10 | 58 |
| 108254 | 208 | 294 | 1 | 0.15 | 2 | 80 | 558 | 5 | 1 | 11 | 0.02 | < 10 | < 10 | 4 | < 10 | 142 |
| 108255 | 208 | 294 | < 1 | 0.08 | < 1 | 110 | 26 | < 5 | 1 | 25 | < 0.01 | < 10 | < 10 | 1 | < 10 | 12 |
| 108256 | 208 | 294 | < 1 | 0.01 | 2 | 40 | 390 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 14 |
| 108257 | 208 | 294 | < 1 | 0.05 | 10 | 1260 | 78 | 15 | 3 | 19 | < 0.01 | < 10 | < 10 | 5 | < 10 | 32 |
| 108260 | 208 | 294 | 1 | < 0.01 | 1 | < 200 | 4000 | 2760 | < 1 | 55 | < 0.01 | < 10 | < 10 | 3 | < 10 | 1845 |
| 108263 | 208 | 294 | < 1 | 0.01 | 3 | < 10 | 384 | 15 | < 1 | 189 | < 0.01 | < 10 | < 10 | 1 | < 10 | 200 |
| 108264 | 208 | 294 | 7 | 0.04 | 6 | < 10 | >10000 | 135 | 1 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | >10000 |
| 108265 | 208 | 294 | 9 | 0.05 | 6 | 20 | >10000 | 245 | 1 | 7 | < 0.01 | < 10 | < 10 | 1 | 10 | >10000 |
| 108266 | 208 | 294 | 1 | 0.01 | 17 | 280 | 1105 | 5 | 4 | 66 | < 0.01 | < 10 | < 10 | 30 | < 10 | 490 |
| 108267 | 208 | 294 | < 1 | 0.03 | 3 | 20 | 30 | < 5 | < 1 | 7 | < 0.01 | < 10 | < 10 | 1 | < 10 | 24 |
| 108268 | 208 | 294 | 2 | 0.08 | 5 | 280 | 86 | < 5 | 2 | 6 | < 0.01 | < 10 | < 10 | 13 | < 10 | 162 |
| 108269 | 208 | 294 | < 1 | 0.02 | 10 | 90 | 8 | < 5 | 1 | 8 | 0.01 | < 10 | < 10 | 11 | < 10 | 12 |
| 108272 | 208 | 294 | < 1 | 0.04 | 7 | 300 | 292 | < 5 | 2 | 15 | < 0.01 | < 10 | < 10 | 8 | < 10 | 126 |
| 108273 | 208 | 294 | < 1 | 0.04 | 55 | 1520 | 8 | 5 | 16 | 79 | 0.07 | < 10 | < 10 | 149 | 10 | 120 |
| 108277 | 208 | 294 | 2 | 0.07 | 1 | 40 | 30 | < 5 | < 1 | 10 | < 0.01 | < 10 | < 10 | 3 | < 10 | 16 |
| 108278 | 208 | 294 | < 1 | < 0.01 | 4 | 30 | 30 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 22 |
| 108279 | 208 | 294 | < 1 | 0.01 | 13 | 380 | 170 | 5 | 3 | 23 | 0.01 | < 10 | < 10 | 31 | < 10 | 42 |
| 108280 | 208 | 294 | 1 | 0.02 | 32 | 540 | 42 | < 5 | 3 | 12 | < 0.01 | < 10 | < 10 | 7 | < 10 | 232 |
| 108281 | 208 | 294 | < 1 | 0.02 | 2 | 210 | 38 | < 5 | 1 | 11 | < 0.01 | < 10 | < 10 | 2 | < 10 | 22 |
| 108282 | 208 | 294 | < 1 | 0.08 | 30 | 750 | 96 | < 5 | 10 | 144 | 0.10 | < 10 | < 10 | 60 | < 10 | 216 |
| 108283 | 208 | 294 | < 1 | 0.03 | 3 | 20 | 22 | < 5 | < 1 | 5 | < 0.01 | < 10 | < 10 | 2 | < 10 | 14 |
| 108284 | 208 | 294 | 1 | 0.14 | 30 | 1110 | 14 | < 5 | 14 | 160 | 0.08 | < 10 | < 10 | 114 | < 10 | 106 |
| 108285 | 208 | 294 | < 1 | 0.01 | 4 | 100 | 10 | < 5 | < 1 | 47 | < 0.01 | < 10 | < 10 | 1 | < 10 | 12 |
| 108286 | 208 | 294 | < 1 | < 0.01 | 3 | < 10 | 68 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 12 |
| 108287 | 208 | 294 | 1 | < 0.01 | 6 | 260 | 6 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 2 | < 10 | 6 |

CERTIFICATION: B. Caufield

Northern Analytical Laboratories ltd.

October 30,1990

Work Order # 08479

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

File # 08479b

Sample: Soil

## Assay Certificate for Samples Provided

Line: EL/LL

| Sample | ppb Au |
|---|---|
| 6570 | 183 |
| 6630 | 53 |
| 6660 | 475 |
| 6690 | 62 |
| 6720 | 63 |
| 6780 | <10 |
| 6810 | <10 |
| 6840 | <10 |
| 6870 | 24 |
| 6900 | <10 |

Au -- 15g Fire Assay/AAS

Applied Science Technologists and Technicians of British Columbia
6992
GERALD F. HAYES
A. Sc. T.

Northern Analytical Laboratories ltd.

October 30,1990

Work Order # 08479

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

File # 08479c

Sample: Soil

## Assay Certificate for Samples Provided

Line: EL/RL

| Sample | ppb Au |
|---|---|
| 6360 | 135 |
| 6390 | 26 |
| 6420 | 28 |
| 6450 | 11 |
| 6480 | 41 |
| 6510 | 19 |
| 6540 | 12 |
| 6570 | 12 |
| 6600 | 11 |
| 6630 | 19 |
| 6660 | 27 |
| 6690 | 57 |
| 6720 | 187 |
| 6750 | 10 |
| 6780 | <10 |
| 6810 | <10 |
| 6840 | 17 |
| 6870 | 11 |
| 6900 | <10 |

Au -- 15g Fire Assay/AAS

Applied Science Technologists and Technicians of British Columbia
6992
GERALD F. HAYES
A.Sc.T.

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

**Northern Analytical Labs. Ltd.** PROJECT WO#08479 File # 90-5690 Page 1

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EL/LL 6570 | 1 | 15 | 8 | 60 | .2 | 14 | 9 | 345 | 1.93 | 21 | 5 | ND | 3 | 25 | .4 | 3 | 2 | 16 | .48 | .092 | 14 | 13 | .54 | 210 | .02 | 2 | .79 | .01 | .06 | 2 |
| EL/LL 6630 | 1 | 20 | 88 | 78 | .2 | 16 | 9 | 350 | 2.10 | 15 | 5 | ND | 3 | 32 | .2 | 2 | 2 | 25 | .63 | .091 | 13 | 22 | .63 | 217 | .04 | 5 | .98 | .01 | .07 | 2 |
| EL/LL 6660 | 1 | 44 | 17 | 115 | 1.8 | 23 | 16 | 485 | 3.31 | 19 | 5 | 4 | 4 | 45 | .9 | 5 | 2 | 34 | .59 | .072 | 19 | 29 | 1.00 | 268 | .05 | 4 | 1.34 | .02 | .09 | 1 |
| EL/LL 6690 | 1 | 29 | 26 | 117 | .6 | 18 | 9 | 346 | 2.98 | 14 | 5 | ND | 7 | 38 | .2 | 4 | 2 | 24 | .35 | .070 | 33 | 16 | .53 | 530 | .03 | 2 | 1.17 | .01 | .10 | 2 |
| EL/LL 6720 | 1 | 19 | 14 | 99 | .2 | 16 | 9 | 333 | 2.14 | 18 | 5 | ND | 4 | 30 | .6 | 3 | 2 | 25 | .48 | .084 | 14 | 24 | .71 | 202 | .03 | 2 | 1.02 | .01 | .06 | 3 |
| EL/LL 6780 | 1 | 42 | 16 | 100 | .4 | 28 | 14 | 629 | 3.18 | 28 | 5 | ND | 4 | 46 | .3 | 4 | 2 | 42 | .61 | .079 | 21 | 31 | .92 | 396 | .06 | 5 | 1.41 | .02 | .10 | 1 |
| EL/LL 6810 | 1 | 40 | 18 | 105 | .2 | 19 | 13 | 570 | 2.84 | 9 | 5 | ND | 4 | 29 | .9 | 4 | 2 | 42 | .54 | .072 | 29 | 26 | 1.12 | 356 | .06 | 2 | 1.73 | .01 | .11 | 1 |
| EL/LL 6840 | 1 | 38 | 23 | 112 | .4 | 21 | 13 | 558 | 2.67 | 9 | 5 | ND | 5 | 27 | .5 | 3 | 3 | 36 | .52 | .075 | 31 | 29 | 1.03 | 254 | .04 | 4 | 1.54 | .01 | .10 | 1 |
| EL/LL 6870 | 1 | 46 | 28 | 156 | .6 | 27 | 14 | 565 | 2.82 | 12 | 5 | ND | 7 | 30 | 1.3 | 4 | 2 | 37 | .54 | .093 | 53 | 29 | 1.14 | 244 | .01 | 2 | 1.75 | .01 | .10 | 1 |
| EL/LL 6900 | 1 | 39 | 42 | 133 | .4 | 21 | 17 | 735 | 2.87 | 13 | 5 | ND | 5 | 33 | .6 | 3 | 2 | 40 | .50 | .076 | 29 | 26 | 1.05 | 326 | .04 | 6 | 1.61 | .01 | .08 | 1 |
| EL/RL 6360 | 1 | 23 | 19 | 97 | .7 | 26 | 17 | 384 | 5.12 | 15 | 5 | ND | 2 | 71 | 1.0 | 7 | 2 | 69 | .76 | .050 | 20 | 22 | 1.57 | 505 | .07 | 4 | 2.75 | .13 | .07 | 1 |
| EL/RL 6390 | 1 | 8 | 21 | 42 | .1 | 10 | 5 | 136 | 2.06 | 101 | 5 | ND | 4 | 11 | .2 | 2 | 2 | 14 | .12 | .018 | 15 | 6 | .16 | 251 | .01 | 2 | .90 | .01 | .08 | 3 |
| EL/RL 6420 | 1 | 22 | 22 | 129 | .7 | 26 | 9 | 583 | 2.99 | 42 | 5 | ND | 3 | 50 | 1.0 | 3 | 2 | 25 | .75 | .049 | 28 | 18 | .77 | 478 | .02 | 2 | 1.77 | .01 | .06 | 2 |
| EL/RL 6450 | 1 | 19 | 25 | 112 | .5 | 18 | 7 | 895 | 2.82 | 32 | 5 | ND | 7 | 28 | .9 | 6 | 2 | 16 | .38 | .076 | 28 | 13 | .85 | 599 | .02 | 3 | 1.46 | .01 | .07 | 1 |
| EL/RL 6480 | 3 | 46 | 64 | 210 | 1.8 | 58 | 11 | 501 | 3.31 | 100 | 5 | ND | 6 | 27 | .8 | 10 | 2 | 18 | .19 | .056 | 23 | 18 | .41 | 621 | .02 | 6 | 1.01 | .01 | .06 | 1 |
| EL/RL 6510 | 1 | 13 | 22 | 93 | .3 | 15 | 7 | 779 | 2.53 | 18 | 5 | ND | 7 | 33 | .8 | 4 | 2 | 17 | .35 | .061 | 25 | 12 | .76 | 743 | .02 | 2 | 1.42 | .01 | .07 | 2 |
| EL/RL 6540 | 1 | 16 | 14 | 76 | .3 | 11 | 8 | 1149 | 2.46 | 12 | 5 | ND | 5 | 29 | .2 | 3 | 2 | 24 | .42 | .066 | 25 | 16 | .61 | 427 | .04 | 3 | 1.44 | .02 | .08 | 1 |
| EL/RL 6570 | 1 | 16 | 13 | 80 | .4 | 11 | 6 | 409 | 2.26 | 11 | 5 | ND | 6 | 26 | .6 | 2 | 2 | 17 | .37 | .066 | 25 | 11 | .43 | 262 | .02 | 2 | 1.18 | .01 | .09 | 1 |
| EL/RL 6600 | 1 | 10 | 19 | 38 | .2 | 8 | 4 | 442 | 1.21 | 19 | 5 | ND | 6 | 24 | .2 | 2 | 2 | 12 | .43 | .098 | 24 | 7 | .17 | 243 | .02 | 2 | .66 | .01 | .12 | 2 |
| EL/RL 6630 | 1 | 12 | 12 | 44 | .3 | 9 | 5 | 324 | 1.84 | 24 | 5 | ND | 6 | 19 | .2 | 2 | 2 | 8 | .31 | .093 | 22 | 7 | .12 | 145 | .01 | 2 | .46 | .01 | .10 | 1 |
| EL/RL 6660 | 1 | 15 | 10 | 74 | .2 | 8 | 4 | 223 | 2.23 | 16 | 5 | ND | 4 | 20 | .4 | 2 | 2 | 16 | .31 | .068 | 21 | 11 | .38 | 188 | .02 | 3 | .96 | .01 | .10 | 2 |
| EL/RL 6690 | 1 | 14 | 11 | 59 | .1 | 13 | 6 | 332 | 2.15 | 6 | 5 | ND | 4 | 27 | .3 | 3 | 2 | 32 | .35 | .051 | 19 | 21 | .45 | 295 | .05 | 2 | 1.32 | .01 | .07 | 1 |
| EL/RL 6720 | 1 | 23 | 14 | 81 | .3 | 8 | 6 | 192 | 2.16 | 12 | 5 | ND | 5 | 24 | 1.0 | 2 | 2 | 16 | .33 | .080 | 26 | 10 | .32 | 191 | .02 | 4 | .97 | .01 | .14 | 1 |
| EL/RL 6750 | 1 | 14 | 7 | 79 | .2 | 13 | 6 | 197 | 2.14 | 11 | 5 | ND | 5 | 25 | .8 | 2 | 2 | 25 | .34 | .063 | 21 | 19 | .45 | 239 | .05 | 2 | 1.13 | .01 | .09 | 2 |
| EL/RL 6780 | 1 | 16 | 13 | 85 | .2 | 13 | 6 | 209 | 2.29 | 14 | 5 | ND | 3 | 26 | .9 | 2 | 2 | 20 | .29 | .057 | 19 | 19 | .51 | 226 | .03 | 2 | 1.18 | .01 | .10 | 1 |
| EL/RL 6810 | 1 | 27 | 9 | 77 | .3 | 21 | 9 | 290 | 2.69 | 24 | 5 | ND | 3 | 27 | .4 | 5 | 2 | 39 | .34 | .070 | 17 | 33 | .67 | 246 | .05 | 4 | 1.55 | .01 | .07 | 2 |
| EL/RL 6840 | 1 | 45 | 7 | 101 | .1 | 38 | 11 | 259 | 2.65 | 29 | 5 | ND | 4 | 34 | .7 | 2 | 2 | 38 | .49 | .120 | 20 | 39 | .67 | 173 | .05 | 2 | 1.23 | .01 | .08 | 1 |
| EL/RL 6870 | 1 | 28 | 11 | 86 | .2 | 27 | 10 | 278 | 2.47 | 19 | 5 | ND | 3 | 36 | .6 | 3 | 2 | 37 | .46 | .079 | 18 | 33 | .59 | 235 | .05 | 2 | 1.35 | .01 | .08 | 1 |
| EL/RL 6900 | 1 | 20 | 14 | 71 | .3 | 22 | 8 | 259 | 2.37 | 15 | 5 | ND | 4 | 33 | .5 | 4 | 2 | 39 | .41 | .067 | 17 | 31 | .58 | 296 | .06 | 3 | 1.45 | .02 | .08 | 1 |
| 01822 | 8 | 16 | 57 | 72 | 1.1 | 3 | 1 | 45 | .71 | 12 | 5 | ND | 11 | 5 | .2 | 2 | 2 | 1 | .05 | .014 | 15 | 88 | .22 | 72 | .01 | 2 | .43 | .02 | .08 | 1 |
| 01823 | 4 | 41 | 40 | 118 | .3 | 11 | 5 | 177 | 2.30 | 13 | 12 | ND | 6 | 12 | .4 | 2 | 2 | 10 | .06 | .010 | 11 | 53 | .05 | 154 | .01 | 6 | .40 | .01 | .28 | 1 |
| 01824 | 16 | 80 | 17 | 1063 | .5 | 583 | 48 | 3035 | 17.58 | 9 | 7 | ND | 1 | 11 | 3.3 | 2 | 2 | 43 | .13 | .066 | 2 | 110 | .06 | 72 | .01 | 23 | .76 | .01 | .01 | 1 |
| 01825 | 5 | 5 | 14 | 83 | .2 | 10 | 4 | 282 | 2.08 | 17 | 5 | ND | 5 | 14 | .8 | 2 | 2 | 7 | .17 | .048 | 16 | 34 | .44 | 379 | .01 | 2 | 1.04 | .01 | .22 | 1 |
| 37972 | 2 | 44 | 54 | 155 | 1.4 | 195 | 21 | 1013 | 4.51 | 135 | 5 | ND | 1 | 199 | 1.9 | 4 | 2 | 57 | 4.68 | .034 | 3 | 188 | 3.45 | 119 | .01 | 4 | .36 | .02 | .02 | 1 |
| 37980 | 11 | 82 | 69 | 274 | 1.5 | 479 | 23 | 123 | 5.74 | 102 | 20 | ND | 7 | 31 | 1.2 | 19 | 2 | 35 | .14 | .055 | 11 | 296 | .09 | 202 | .01 | 8 | .41 | .01 | .07 | 1 |
| 37982 | 6 | 35 | 418 | 454 | 1.7 | 25 | 6 | 763 | 2.54 | 50 | 5 | ND | 1 | 229 | 2.7 | 20 | 3 | 10 | 3.26 | .013 | 5 | 64 | 1.47 | 519 | .01 | 2 | .19 | .01 | .06 | 1 |
| STANDARD C | 17 | 58 | 38 | 130 | 6.9 | 70 | 30 | 1051 | 3.97 | 39 | 19 | 7 | 36 | 52 | 18.0 | 15 | 19 | 56 | .45 | .090 | 37 | 56 | .89 | 181 | .08 | 34 | 1.89 | .06 | .14 | 11 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PULP

**DATE RECEIVED:** NOV 1 1990 **DATE REPORT MAILED:** Nov 7/90. **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37983 | 10 | 30 | 58 | 70 | .9 | 7 | 1 | 63 | .65 | 20 | 5 | ND | 2 | 6 | .4 | 3 | 2 | 3 | .08 | .002 | 5 | 137 | .08 | 87 | .01 | 2 | .20 | .02 | .05 | 1 |
| 37984 | 10 | 10 | 48 | 60 | .7 | 3 | 1 | 80 | .36 | 13 | 5 | ND | 3 | 11 | .3 | 2 | 2 | 1 | .15 | .002 | 11 | 122 | .05 | 54 | .01 | 2 | .13 | .01 | .04 | 1 |
| 37985 | 11 | 27 | 60 | 59 | .8 | 11 | 3 | 362 | .64 | 6 | 5 | ND | 11 | 37 | .4 | 2 | 2 | 3 | 1.04 | .005 | 17 | 108 | .16 | 24 | .01 | 2 | .30 | .02 | .03 | 1 |
| 37986 | 11 | 7 | 76 | 51 | 1.0 | 8 | 5 | 255 | 1.05 | 21 | 5 | ND | 1 | 51 | .2 | 2 | 2 | 12 | .60 | .011 | 5 | 140 | .33 | 419 | .02 | 6 | .56 | .06 | .04 | 1 |
| 37987 | 45 | 65 | 3732 | 1185 | 26.4 | 3 | 4 | 418 | 12.41 | 168 | 40 | ND | 7 | 30 | 6.5 | 44 | 10 | 1 | .18 | .026 | 26 | 28 | .06 | 422 | .01 | 3 | .33 | .01 | .11 | 1 |
| 37988 | 30 | 29 | 36 | 98 | .6 | 44 | 4 | 349 | .94 | 14 | 5 | ND | 1 | 250 | 1.5 | 2 | 2 | 30 | 4.06 | .025 | 5 | 118 | .47 | 46 | .01 | 4 | .42 | .01 | .03 | 1 |
| 37989 | 8 | 32 | 16 | 51 | .1 | 14 | 20 | 688 | 10.93 | 2 | 5 | ND | 25 | 18 | .3 | 2 | 2 | 128 | .28 | .050 | 60 | 130 | .51 | 161 | .11 | 2 | .93 | .03 | .15 | 1 |
| 37990 | 14 | 217 | 42 | 34 | 3.0 | 9 | 1 | 92 | 1.23 | 66 | 5 | ND | 1 | 38 | .4 | 4 | 2 | 11 | .60 | .004 | 2 | 120 | .17 | 15 | .01 | 3 | .25 | .01 | .01 | 1 |
| 37991 | 35 | 59 | 63 | 231 | 2.3 | 20 | 4 | 1447 | 1.80 | 36 | 9 | ND | 2 | 800 | 5.7 | 5 | 2 | 37 | 15.15 | .032 | 13 | 42 | .58 | 158 | .01 | 2 | .85 | .01 | .05 | 1 |
| 37992 | 17 | 37 | 16 | 66 | 1.5 | 24 | 14 | 18545 | 1.88 | 83 | 5 | ND | 1 | 94 | 1.2 | 5 | 2 | 77 | .14 | .012 | 4 | 127 | .02 | 767 | .01 | 2 | .07 | .01 | .03 | 1 |
| 37993 | 7 | 37 | 372 | 435 | 6.5 | 6 | 6 | 389 | 4.08 | 20 | 5 | 9 | 5 | 35 | 1.8 | 10 | 2 | 8 | .37 | .025 | 20 | 63 | .88 | 680 | .01 | 2 | 1.48 | .01 | .18 | 1 |
| 37994 | 26 | 41 | 67 | 266 | 1.3 | 32 | 8 | 355 | 2.94 | 67 | 5 | ND | 4 | 227 | 3.5 | 2 | 2 | 24 | 3.25 | .123 | 9 | 75 | .75 | 39 | .01 | 2 | .63 | .03 | .09 | 1 |
| 39801 | 32 | 665 | 43 | 1439 | 1.8 | 1266 | 50 | 6780 | 38.61 | 28 | 5 | ND | 6 | 17 | 10.6 | 2 | 2 | 75 | .12 | .047 | 10 | 107 | .20 | 286 | .01 | 2 | 1.49 | .01 | .07 | 1 |
| 39802 | 15 | 13 | 57 | 68 | .9 | 12 | 2 | 103 | .85 | 29 | 5 | ND | 1 | 2 | .2 | 2 | 3 | 2 | .02 | .004 | 2 | 179 | .03 | 24 | .01 | 4 | .07 | .01 | .01 | 1 |
| STANDARD C | 18 | 57 | 38 | 133 | 7.1 | 73 | 31 | 1054 | 3.97 | 42 | 19 | 7 | 40 | 52 | 18.8 | 15 | 19 | 59 | .46 | .097 | 39 | 60 | .90 | 183 | .07 | 31 | 1.90 | .06 | .14 | 11 |

# APPENDIX II

## TRENCHES AND SAMPLES LISTING

| SAMPLE NUMBERS | TRENCH | CERTIFICATE | TOTAL |
|---|---|---|---|
| 108101H-108129H | 90OGTR01 | A9021703 | 129 |
| 108130H-108143H | 90GGTR03 | A9021703 | 14 |
| 108144H-108147H | 90GGTR03 | A9021730 | 4 |
| 108148H-108150H | 90GGTR04 | A9021730 | 3 |
| 108151H-108153H | 90GGTR02 | A9021730 | 3 |
| 108154H-108158H | 90GGTR01 | A9021730 | 5 |
| 108159H-108164H | 90GGTR06 | A9021730 | 6 |
| 108165H | 90GGTR04 | A9021730 | 1 |
| 108166H | 90GGTR10 | A9021730 | 1 |
| 108167H-108200H | 90GGTR06 | A9021730 | 34 |
| 108213H-108215H | 90OGTR01 | A9021730 | 3 |
| 108218H-108250H | 90OGTR01 | A9021730 | 32 |
| 1805H-1812H | 9027PUPTR01A | 08473 | 8 |
| 1858J-1866J | 90GGTR18 | A9020957 | 9 |
| 1867J-1875J | 90GGTR21 | A9023700 | 9 |
| 1877J-1881J | 90GGTR21 | A9023700 | 5 |
| 1882J-1886J | 90GGTR19 | A9023700 | 5 |
| 1888J-1894J | 90GGTR19 | A9023700 | 7 |
| 1895J-1900J | 90GGTR20 | A9023700 | 6 |
| 24477G-24492G | 90GGTR17 | A9023700 | 16 |
| 24493G-24500G | 90GGTR18 | A9023700 | 8 |
| 37851F-37870F | 9027PUPTR01 | A9024260 | 20 |
| 37871F-37879F | 9027PUPTR02 | A9024260 | 9 |
| 37880F-37881F | 9027PUPTR03 | A9024260 | 2 |
| 37882F-37884F | 9027PUPTR01 | A9024261 | 3 |
| 37885F-37892F | 9027PUPTR03 | A9024261 | 8 |
| 37893F-37918F | 9027PUPTR04 | A9024261 | 26 |
| 38951G-38955G | 90GGTR06 | A9021703 | 5 |
| 38956G | 90GGTR06 | A9023700 | 1 |
| 38957G-38962G | 90GGTR06 | A9021703 | 6 |
| 38963G-38974G | 90GGTR02 | A9021703 | 12 |
| 38975G-38976G | 90GGTR12 | A9021703 | 2 |
| 38977G-38978G | 90GGTR05 | A9021703 | 2 |
| 38979G-39000G | 90OGTR01 | A9021703 | 22 |
| 39051G-39068G | 90OGTR01 | A9021703 | 18 |
| 39070G-39079G | 90OGTR01 | A9021703 | 10 |
| 39081G-39100G | 90GGTR11 | A9022461 | 20 |
| 39144G-39165G | 90GGTR11 | A9022461 | 22 |
| 39166G-39167G | 90GGTR10 | A9022461 | 2 |
| 39168G | 90OGJV | A9022461 | 1 |
| 39170G-39171G | 90GGTR08 | A9022461 | 2 |
| 39193G-39197G | 90GGTR12 | A9022461 | 5 |
| 39200G | 90GGTR09 | A9022461 | 1 |
| 39201G | 90GGTR12 | A9023250 | 1 |
| 39202G-39205G | 90GGTR13 | A9023250 | 4 |
| 39206G-39212G | 90GGTR14 | A9023250 | 7 |
| 39213G-39216G | 90GGTR15 | A9023250 | 4 |
| 39217G-39220G | 90GGTR16 | A9023250 | 4 |
| 39222G-39224G | 90GGTR20 | A9023700 | 3 |
| 39226G-39228G | 90GGTR20 | A9023700 | 3 |
| 39230G-39233G | 90GGTR20 | A9023700 | 4 |
| 39235G | 90GGTR20 | A9023700 | 1 |

| SAMPLE NO. | TRENCH | CERTIFICATE | TOTAL |
|---|---|---|---|
| 39237G-39242G | 90GGTR20 | A9023700 | 6 |
| 39244G-39248G | 90GGTR12 | A9023700 | 5 |
| 39250G | 90GGTR12 | A9023700 | 1 |
| 39301G-39306G | 90GGTR12 | A9023700 | 6 |
| 39307G-39326G | 90GGTR22 | A9023700 | 20 |
| 39334G | 90GGTR06 | A9023250 | 1 |
| 39336G-39337G | 90GGTR06 | A9023250 | 2 |
| 39339G-39340G | 90GGTR11 | A9023250 | 2 |
| 39350G | 90GGTR06 | A9023250 | 1 |
| 39557G-39591G | 90V2 | A9024260 | 35 |
| 39599G-39600G | 9027PUPTR01 | A9024260 | 2 |
| 39601G-39645G | 90V1 | A9023700 | 45 |
| 39648G-39650G | 90V1 | A9023700 | 3 |
| 39651G-39662G | 90GGTR13 | A9024237 | 12 |
| 39696G-39700G | 9027PUPTR01A | 08473 | 5 |
| 39811G-39822G | 9027PUPSQTR | 08473 | 12 |

# APPENDIX III

## TRENCH SAMPLES CERTIFICATES OF ANALYSES

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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


To: ARBOR RESOURCES INC.

2321 BELLEVUE AVE.
WEST VANCOUVER, BC
V7V 1C9

A9020957

Comments:

## CERTIFICATE A9020957

ARBOR RESOURCES INC.

Project: DAWSON
P.O. # : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 22-AUG-90.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 208 | 145 | Assay ring to approx 150 mesh |
| 294 | 145 | Crush and split (0-10 pounds) |
| 238 | 145 | NITRIC-AQUA REGIA DIGESTION |
| * 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 |
|---|---|---|---|---|---|
| 398 | 145 | Au oz/T: 1/2 assay ton | FA-AAS | 0.002 | 20.00 |
| 922 | 145 | Ag ppm: 32 element, soil & rock | ICP-AES | 0.2 | 200 |
| 921 | 145 | Al %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 923 | 145 | As ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 924 | 145 | Ba ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 925 | 145 | Be ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 926 | 145 | Bi ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 927 | 145 | Ca %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 928 | 145 | Cd ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 929 | 145 | Co ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 930 | 145 | Cr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 931 | 145 | Cu ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 932 | 145 | Fe %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 933 | 145 | Ga ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 951 | 145 | Hg ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 934 | 145 | K %: 32 element, soil & rock | ICP-AES | 0.01 | 10.00 |
| 935 | 145 | La ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 936 | 145 | Mg %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 937 | 145 | Mn ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 938 | 145 | Mo ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 939 | 145 | Na %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 940 | 145 | Ni ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 941 | 145 | P ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 942 | 145 | Pb ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 943 | 145 | Sb ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 958 | 145 | Sc ppm: 32 elements, soil & rock | ICP-AES | 1 | 10000 |
| 944 | 145 | Sr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 945 | 145 | Ti %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 946 | 145 | Tl ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 947 | 145 | U ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 948 | 145 | V ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 949 | 145 | W ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 950 | 145 | Zn ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |

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Project : DAWSON
Comments:

Page Number : 1-A
Total Pages : 4
Invoice Date: 22-AUG-90
Invoice No. : I-9020957
P.O. Number : NONE

## CERTIFICATE OF ANALYSIS A9020957

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108201 | 208 | 294 | 2.016 | 5.0 | 0.01 | 15 | 170 | < 0.5 | < 2 | < 0.01 | < 0.5 | 5 | 244 | 3 | 1.35 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 45 |
| 108202 | 208 | 294 | < 0.002 | 0.6 | 0.31 | 5 | 360 | < 0.5 | < 2 | < 0.01 | < 0.5 | 4 | 280 | 3 | 0.49 | < 10 | < 1 | 0.26 | 10 | 0.01 | 145 |
| 108203 | 208 | 294 | < 0.002 | 1.0 | 0.52 | 10 | 890 | < 0.5 | 4 | 0.03 | < 0.5 | 5 | 91 | 2 | 0.44 | < 10 | < 1 | 0.34 | 30 | 0.13 | 70 |
| 108204 | 208 | 294 | < 0.002 | < 0.2 | 0.03 | 5 | 20 | < 0.5 | 2 | < 0.01 | < 0.5 | 2 | 241 | < 1 | 0.29 | < 10 | < 1 | < 0.01 | < 10 | 0.01 | 20 |
| 108205 | 208 | 294 | < 0.002 | 2.0 | 2.08 | < 5 | 280 | < 0.5 | 8 | 0.55 | 0.5 | 14 | 635 | 25 | 2.12 | < 10 | < 1 | 0.14 | < 10 | 0.75 | 55 |
| 108206 | 208 | 294 | < 0.002 | 0.4 | 1.37 | 15 | 40 | < 0.5 | < 2 | 0.13 | < 0.5 | 34 | 2380 | 61 | 3.47 | < 10 | < 1 | < 0.01 | < 10 | 8.99 | 140 |
| 108207 | 208 | 294 | < 0.002 | 0.2 | 0.02 | 20 | 10 | < 0.5 | < 2 | < 0.01 | < 0.5 | 4 | 173 | 3 | 0.24 | < 10 | < 1 | < 0.01 | < 10 | 0.08 | 50 |
| 108208 | 208 | 294 | 0.002 | 0.6 | 0.21 | 70 | 70 | < 0.5 | 2 | 0.09 | < 0.5 | 6 | 580 | 14 | 2.73 | < 10 | 2 | < 0.01 | < 10 | 0.17 | 135 |
| 108209 | 208 | 294 | 0.012 | 0.4 | 0.07 | 5 | 580 | < 0.5 | < 2 | < 0.01 | < 0.5 | 3 | 159 | 5 | 0.42 | < 10 | < 1 | 0.03 | < 10 | 0.01 | 35 |
| 108210 | 208 | 294 | < 0.002 | 0.2 | 4.50 | 30 | 330 | < 0.5 | < 2 | 2.07 | < 0.5 | 35 | 61 | 15 | 7.47 | < 10 | < 1 | 0.09 | < 10 | 3.59 | 990 |
| 108211 | 208 | 294 | < 0.002 | 0.2 | 0.08 | < 5 | 10 | < 0.5 | < 2 | 0.01 | < 0.5 | 4 | 221 | 5 | 0.38 | < 10 | < 1 | < 0.01 | < 10 | 0.03 | 65 |
| 108212 | 208 | 294 | < 0.002 | 0.4 | 0.17 | 15 | 60 | < 0.5 | < 2 | 0.03 | < 0.5 | 6 | 318 | 3 | 1.60 | < 10 | < 1 | 0.01 | 10 | 0.02 | 690 |
| 108251 | 208 | 294 | < 0.002 | 0.4 | 0.11 | < 5 | 1890 | < 0.5 | < 2 | 0.01 | < 0.5 | 4 | 235 | 3 | 0.38 | < 10 | 2 | 0.04 | < 10 | 0.02 | 40 |
| 108252 | 208 | 294 | < 0.002 | 0.2 | 0.18 | 25 | 130 | < 0.5 | < 2 | 0.03 | < 0.5 | 3 | 402 | 3 | 0.50 | < 10 | 1 | 0.07 | < 10 | 0.02 | 150 |
| 108253 | 208 | 294 | < 0.002 | 0.6 | 1.05 | 5 | 200 | 1.0 | < 2 | 0.15 | < 0.5 | 6 | 106 | 7 | 1.36 | 10 | < 1 | 0.42 | 30 | 0.14 | 485 |
| 108254 | 208 | 294 | < 0.002 | 4.8 | 0.46 | < 5 | 160 | < 0.5 | < 2 | 0.09 | < 0.5 | 5 | 425 | 173 | 1.27 | < 10 | 1 | 0.14 | 10 | 0.09 | 185 |
| 108255 | 208 | 294 | < 0.002 | 1.4 | 0.52 | < 5 | 400 | < 0.5 | < 2 | < 0.01 | < 0.5 | 5 | 146 | 10 | 0.57 | < 10 | < 1 | 0.37 | 40 | 0.07 | 35 |
| 108256 | 208 | 294 | < 0.002 | 2.8 | 0.08 | < 5 | 90 | < 0.5 | 2 | 0.02 | < 0.5 | 4 | 389 | 15 | 0.45 | < 10 | < 1 | < 0.01 | < 10 | 0.02 | 70 |
| 108257 | 208 | 294 | 0.009 | 4.0 | 0.31 | 30 | 270 | < 0.5 | < 2 | 0.31 | < 0.5 | 12 | 42 | 31 | 2.97 | < 10 | < 1 | 0.12 | 30 | 0.05 | 655 |
| 108260 | 208 | 294 | 0.307 | >200 | 0.36 | 1435 | 350 | < 0.5 | < 20 | 2.64 | 20.0 | 7 | 289 | >10000 | 1.57 | < 10 | 712 | 0.02 | < 10 | 0.58 | 475 |
| 108263 | 208 | 294 | 0.002 | 4.0 | 0.25 | < 5 | 2350 | < 0.5 | < 2 | 2.43 | 1.0 | 1 | 210 | 49 | 0.47 | < 10 | < 1 | < 0.01 | < 10 | 0.47 | 1010 |
| 108264 | 208 | 294 | 0.033 | 64.4 | 1.31 | 165 | 60 | < 0.5 | < 2 | 0.03 | 93.0 | < 1 | 260 | 665 | 7.78 | < 10 | 15 | 0.05 | 10 | 1.67 | 330 |
| 108265 | 208 | 294 | 0.041 | 65.6 | 1.34 | 260 | 70 | < 0.5 | < 2 | 0.02 | >100.0 | < 1 | 214 | 1160 | 6.67 | < 10 | 23 | 0.07 | 10 | 1.72 | 325 |
| 108266 | 208 | 294 | < 0.002 | 2.4 | 2.80 | < 5 | 90 | < 0.5 | < 2 | 1.48 | 2.0 | 8 | 529 | 16 | 4.87 | 10 | < 1 | 0.06 | 10 | 4.47 | 3120 |
| 108267 | 208 | 294 | < 0.002 | 0.4 | 0.33 | 5 | 390 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 140 | 5 | 0.43 | < 10 | < 1 | 0.23 | < 10 | 0.06 | 25 |
| 108268 | 208 | 294 | < 0.002 | 1.4 | 1.62 | 10 | 100 | < 0.5 | < 2 | 0.06 | 1.0 | 5 | 232 | 36 | 2.07 | < 10 | < 1 | 0.09 | 10 | 1.58 | 425 |
| 108269 | 208 | 294 | < 0.002 | < 0.2 | 0.41 | < 5 | 110 | < 0.5 | < 2 | 0.05 | < 0.5 | 3 | 571 | 5 | 1.00 | < 10 | < 1 | < 0.01 | < 10 | 0.17 | 125 |
| 108272 | 208 | 294 | < 0.002 | 1.4 | 1.64 | < 5 | 370 | < 0.5 | < 2 | 0.17 | 0.5 | 4 | 207 | 14 | 1.44 | 10 | < 1 | 0.53 | 40 | 0.53 | 300 |
| 108273 | 208 | 294 | < 0.002 | 0.2 | 4.95 | 25 | 1230 | < 0.5 | < 2 | 0.76 | 1.0 | 34 | 43 | 30 | 7.48 | 20 | < 1 | 0.14 | 20 | 2.46 | 950 |
| 108277 | 208 | 294 | < 0.002 | 0.4 | 0.35 | < 5 | 160 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 107 | 12 | 1.13 | < 10 | < 1 | 0.23 | < 10 | 0.01 | 105 |
| 108278 | 208 | 294 | < 0.002 | 0.2 | 0.06 | 5 | 30 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 263 | 5 | 0.45 | < 10 | < 1 | < 0.01 | < 10 | 0.02 | 60 |
| 108279 | 208 | 294 | 0.002 | 0.8 | 0.84 | < 5 | 200 | < 0.5 | 2 | 0.38 | 0.5 | 7 | 396 | 15 | 2.09 | < 10 | < 1 | 0.14 | 20 | 0.58 | 280 |
| 108280 | 208 | 294 | 1.602 | 14.8 | 1.42 | 50 | 880 | < 0.5 | < 2 | 0.06 | 1.0 | 22 | 218 | 65 | 4.30 | < 10 | < 1 | 0.30 | 20 | 0.52 | 785 |
| 108281 | 208 | 294 | < 0.002 | < 0.2 | 0.25 | 230 | 170 | < 0.5 | < 2 | 0.05 | 0.5 | < 1 | 207 | 4 | 0.88 | < 10 | < 1 | 0.24 | 10 | 0.01 | 100 |
| 108282 | 208 | 294 | < 0.002 | 0.8 | 2.16 | < 5 | 240 | < 0.5 | < 2 | 1.51 | 1.5 | 16 | 110 | 38 | 4.20 | 10 | < 1 | 0.15 | 30 | 2.02 | 665 |
| 108283 | 208 | 294 | < 0.002 | 0.2 | 0.36 | 5 | 140 | < 0.5 | 4 | 0.04 | < 0.5 | 1 | 451 | 5 | 0.65 | < 10 | < 1 | 0.08 | 10 | 0.17 | 105 |
| 108284 | 208 | 294 | < 0.002 | 0.8 | 2.78 | < 5 | 160 | < 0.5 | < 2 | 2.32 | 1.0 | 28 | 58 | 18 | 5.63 | 10 | < 1 | 0.16 | 20 | 3.07 | 805 |
| 108285 | 208 | 294 | < 0.002 | 0.2 | 0.23 | 5 | 2660 | < 0.5 | 2 | 0.02 | < 0.5 | 1 | 404 | 3 | 0.51 | < 10 | < 1 | 0.18 | < 10 | 0.04 | 40 |
| 108286 | 208 | 294 | 0.004 | 1.8 | 0.01 | < 5 | 90 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 377 | 17 | 0.40 | < 10 | < 1 | < 0.01 | < 10 | 0.08 | 75 |
| 108287 | 208 | 294 | < 0.002 | < 0.2 | 0.07 | 10 | 30 | < 0.5 | < 2 | 0.05 | < 0.5 | 1 | 600 | 2 | 0.55 | < 10 | < 1 | < 0.01 | < 10 | 0.02 | 60 |

CERTIFICATION: B. Caufield

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Project : DAWSON
Comments:

Page Number : 2-A
Total Pages : 4
Invoice Date: 22-AUG-90
Invoice No. : I-9020957
P.O. Number : NONE

## CERTIFICATE OF ANALYSIS A9020957

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108288 | 208 | 294 | < 0.002 | < 0.2 | 0.07 | < 5 | 160 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 271 | 6 | 0.36 | < 10 | < 1 | < 0.01 | < 10 | 0.01 | 435 |
| 108289 | 208 | 294 | 0.002 | 2.2 | 0.02 | < 5 | 170 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 495 | 8 | 0.44 | < 10 | 1 | < 0.01 | < 10 | 0.02 | 50 |
| 108290 | 208 | 294 | 0.008 | 9.0 | 0.01 | < 5 | 4030 | < 0.5 | 2 | 0.01 | < 0.5 | < 1 | 285 | 82 | 0.40 | < 10 | < 1 | < 0.01 | < 10 | 0.02 | 45 |
| 108291 | 208 | 294 | < 0.002 | < 0.2 | 0.14 | < 5 | 60 | < 0.5 | < 2 | 0.74 | 0.5 | 1 | 384 | 6 | 0.55 | < 10 | < 1 | 0.01 | 10 | 0.48 | 945 |
| 108292 | 208 | 294 | < 0.002 | < 0.2 | 0.08 | < 5 | 920 | < 0.5 | < 2 | 0.02 | < 0.5 | 1 | 369 | 7 | 0.45 | < 10 | < 1 | < 0.01 | < 10 | 0.03 | 50 |
| 108294 | 208 | 294 | < 0.002 | 1.2 | 4.33 | 95 | 980 | < 0.5 | < 2 | 1.93 | 1.5 | 30 | 61 | 25 | 9.16 | < 10 | < 1 | 0.06 | 50 | 3.31 | 1470 |
| 108295 | 208 | 294 | < 0.002 | < 0.2 | 0.06 | < 5 | 50 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 267 | 5 | 0.44 | < 10 | < 1 | 0.02 | 10 | < 0.01 | 40 |
| 108296 | 208 | 294 | < 0.002 | < 0.2 | 0.07 | < 5 | 30 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 276 | 4 | 0.33 | < 10 | < 1 | < 0.01 | < 10 | 0.02 | 25 |
| 108297 | 208 | 294 | < 0.002 | < 0.2 | 0.07 | < 5 | 30 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 281 | 4 | 0.36 | < 10 | < 1 | < 0.01 | < 10 | 0.02 | 65 |
| 108301 | 208 | 294 | < 0.002 | < 0.2 | 3.02 | 120 | 1520 | 0.5 | < 2 | 1.33 | < 0.5 | 18 | 91 | 21 | 4.16 | < 10 | < 1 | 0.60 | 30 | 0.60 | 540 |
| 108302 | 208 | 294 | < 0.002 | 1.6 | 1.67 | 5 | 530 | < 0.5 | < 2 | 0.89 | 1.0 | 10 | 77 | 28 | 2.69 | < 10 | < 1 | 0.18 | 30 | 0.69 | 470 |
| 108303 | 208 | 294 | < 0.002 | < 0.2 | 0.05 | < 5 | 30 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 269 | 2 | 0.25 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 30 |
| 108304 | 208 | 294 | < 0.002 | < 0.2 | 0.03 | < 5 | 130 | < 0.5 | < 2 | 0.05 | < 0.5 | < 1 | 284 | 3 | 0.31 | < 10 | < 1 | < 0.01 | < 10 | 0.01 | 50 |
| 108305 | 208 | 294 | < 0.002 | < 0.2 | 0.15 | 15 | 5380 | < 0.5 | < 2 | 3.42 | 0.5 | 2 | 221 | 6 | 1.13 | < 10 | < 1 | 0.05 | < 10 | 0.69 | 1140 |
| 108306 | 208 | 294 | < 0.002 | < 0.2 | 0.62 | 10 | 1950 | < 0.5 | < 2 | 0.32 | < 0.5 | 1 | 139 | 5 | 0.60 | < 10 | < 1 | 0.50 | 40 | 0.17 | 85 |
| 108308 | 208 | 294 | < 0.002 | < 0.2 | 4.11 | 10 | 1680 | < 0.5 | < 2 | 3.72 | < 0.5 | 30 | 37 | 21 | 7.96 | < 10 | < 1 | 0.19 | 10 | 2.55 | 1055 |
| 108309 | 208 | 294 | < 0.002 | 0.6 | 1.10 | 20 | 920 | < 0.5 | < 2 | 0.08 | < 0.5 | 3 | 140 | 7 | 2.16 | < 10 | < 1 | 0.21 | 50 | 0.31 | 560 |
| 108310 | 208 | 294 | < 0.002 | 0.6 | 0.31 | < 5 | 250 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 75 | 3 | 0.30 | < 10 | < 1 | 0.37 | 40 | 0.05 | 55 |
| 108311 | 208 | 294 | 0.002 | 1.0 | 0.22 | 20 | 580 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 157 | 4 | 1.46 | < 10 | 1 | 0.03 | 10 | 0.13 | 140 |
| 108312 | 208 | 294 | < 0.002 | 0.4 | 0.50 | < 5 | 90 | < 0.5 | < 2 | 0.04 | < 0.5 | 1 | 121 | 8 | 0.94 | < 10 | 1 | 0.13 | 20 | 0.16 | 195 |
| 108313 | 208 | 294 | < 0.002 | < 0.2 | 0.04 | < 5 | 20 | < 0.5 | < 2 | < 0.01 | < 0.5 | 1 | 294 | 2 | 0.29 | < 10 | 1 | < 0.01 | < 10 | < 0.01 | 85 |
| 108314 | 208 | 294 | < 0.002 | 0.4 | 0.40 | < 5 | 270 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 102 | 11 | 0.40 | < 10 | < 1 | 0.31 | 30 | 0.11 | 90 |
| 108315 | 208 | 294 | < 0.002 | 4.6 | 0.16 | 5 | 50 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 123 | 17 | 0.73 | < 10 | < 1 | 0.03 | 30 | 0.01 | 30 |
| 108316 | 208 | 294 | < 0.002 | < 0.2 | 1.48 | 145 | 290 | < 0.5 | < 2 | 0.08 | < 0.5 | 4 | 37 | 12 | 3.21 | 10 | < 1 | 0.25 | 10 | 0.40 | 680 |
| 108317 | 208 | 294 | < 0.002 | < 0.2 | 0.08 | 30 | 20 | < 0.5 | < 2 | < 0.01 | < 0.5 | 2 | 184 | 3 | 0.63 | < 10 | < 1 | < 0.01 | < 10 | 0.02 | 115 |
| 108318 | 208 | 294 | 0.004 | < 0.2 | 0.03 | < 5 | 30 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 221 | 2 | 0.32 | < 10 | < 1 | < 0.01 | < 10 | 0.01 | 35 |
| 108319 | 208 | 294 | 4.215 | 27.0 | 1.07 | 235 | 1370 | < 0.5 | < 2 | 0.28 | 1.0 | 88 | 182 | 114 | >15.00 | 10 | < 1 | 0.46 | 30 | 0.28 | 410 |
| 108320 | 208 | 294 | < 0.002 | < 0.2 | 0.15 | 5 | 110 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 378 | 3 | 0.48 | < 10 | < 1 | 0.05 | < 10 | 0.03 | 40 |
| 108321 | 208 | 294 | 0.002 | 0.6 | 1.24 | 35 | 800 | < 0.5 | < 2 | 0.15 | 0.5 | 5 | 165 | 11 | 2.21 | < 10 | < 1 | 0.60 | 40 | 0.31 | 140 |
| 108322 | 208 | 294 | 0.132 | 3.4 | 0.11 | < 5 | 80 | < 0.5 | 2 | < 0.01 | < 0.5 | 1 | 437 | 5 | 0.53 | < 10 | 1 | 0.03 | < 10 | 0.03 | 35 |
| 108323 | 208 | 294 | 0.007 | 0.4 | 1.06 | 160 | 290 | 0.5 | < 2 | 0.04 | < 0.5 | 2 | 94 | 12 | 1.69 | < 10 | < 1 | 0.57 | 20 | 0.06 | 135 |
| 108324 | 208 | 294 | 0.429 | 6.4 | 0.06 | < 5 | 30 | < 0.5 | 2 | < 0.01 | < 0.5 | < 1 | 298 | 2 | 0.47 | < 10 | < 1 | 0.01 | < 10 | 0.02 | 70 |
| 108325 | 208 | 294 | < 0.002 | < 0.2 | 0.94 | 20 | 340 | < 0.5 | < 2 | 0.07 | < 0.5 | 3 | 196 | 7 | 1.56 | < 10 | < 1 | 0.42 | 30 | 0.36 | 95 |
| 108327 | 208 | 294 | 0.002 | 1.6 | 0.13 | 25 | 150 | < 0.5 | 2 | 0.03 | < 0.5 | 9 | 255 | 24 | 1.34 | < 10 | < 1 | 0.04 | < 10 | 0.04 | 105 |
| 108333 | 208 | 294 | < 0.002 | 16.0 | 4.25 | 1475 | 3430 | < 0.5 | < 2 | 0.94 | 5.0 | 24 | 39 | 76 | 8.31 | < 10 | < 1 | 0.18 | 30 | 2.55 | 1645 |
| 108336 | 208 | 294 | < 0.002 | 0.2 | 2.80 | < 5 | 280 | < 0.5 | < 2 | 2.89 | < 0.5 | 44 | 133 | 27 | 5.01 | < 10 | < 1 | 0.11 | 20 | 1.91 | 1585 |
| 108338 | 208 | 294 | < 0.002 | 2.4 | 1.35 | 70 | 2490 | 0.5 | < 2 | 0.86 | 0.5 | 4 | 86 | 5 | 1.65 | < 10 | < 1 | 0.49 | 30 | 0.46 | 285 |
| 108360 | 208 | 294 | 0.002 | >200 | 0.53 | 90 | 120 | < 0.5 | 6 | 0.11 | 71.0 | 3 | 415 | 11 | 1.85 | < 10 | < 1 | 0.17 | < 10 | 0.28 | 140 |
| 108366 | 208 | 294 | 0.002 | 0.4 | 2.40 | 45 | 160 | < 0.5 | < 2 | 2.52 | < 0.5 | 29 | 82 | 70 | 5.81 | < 10 | < 1 | 0.45 | < 10 | 2.17 | 1175 |
| 108368 | 208 | 294 | < 0.002 | 1.0 | 0.66 | 5 | 110 | < 0.5 | 2 | 0.08 | < 0.5 | 1 | 133 | 23 | 1.41 | < 10 | < 1 | 0.25 | 10 | 0.06 | 95 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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


To: ARBOR RESOURCES INC.

2321 BELLEVUE AVE.
WEST VANCOUVER, BC
V7V 1C9

Project : DAWSON
Comments:


Invoice Date: 22-AUG-90
Invoice No. : I-9020957
P.O. Number : NONE

## CERTIFICATE OF ANALYSIS A9020957

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108288 | 208 | 294 | < 1 | 0.01 | 6 | 20 | 22 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 20 |
| 108289 | 208 | 294 | < 1 | 0.01 | 7 | 40 | 74 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | 1 | < 10 | 6 |
| 108290 | 208 | 294 | < 1 | 0.01 | 5 | 10 | 852 | 20 | < 1 | 92 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 12 |
| 108291 | 208 | 294 | 1 | 0.02 | 6 | 420 | 280 | < 5 | < 1 | 47 | < 0.01 | < 10 | < 10 | 3 | < 10 | 54 |
| 108292 | 208 | 294 | < 1 | 0.01 | 11 | 30 | 14 | < 5 | < 1 | 7 | < 0.01 | < 10 | < 10 | 3 | < 10 | 8 |
| 108294 | 208 | 294 | 1 | 0.12 | 343 | 2870 | 8 | < 5 | 18 | 154 | 0.10 | < 10 | < 10 | 188 | < 10 | 150 |
| 108295 | 208 | 294 | 1 | 0.01 | 4 | 20 | 16 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 2 |
| 108296 | 208 | 294 | < 1 | 0.02 | 4 | 20 | < 2 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 4 |
| 108297 | 208 | 294 | < 1 | 0.02 | 5 | 20 | < 2 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 4 |
| 108301 | 208 | 294 | 1 | 0.04 | 34 | 1080 | 18 | 5 | 11 | 120 | 0.02 | < 10 | < 10 | 61 | < 10 | 90 |
| 108302 | 208 | 294 | 1 | 0.06 | 27 | 870 | 712 | 5 | 4 | 52 | 0.09 | < 10 | < 10 | 61 | < 10 | 404 |
| 108303 | 208 | 294 | < 1 | 0.05 | 4 | 60 | 4 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | 1 | < 10 | 4 |
| 108304 | 208 | 294 | < 1 | 0.01 | 3 | 30 | 20 | < 5 | < 1 | 10 | < 0.01 | < 10 | < 10 | 1 | < 10 | 8 |
| 108305 | 208 | 294 | < 1 | 0.01 | 4 | 10 | 6 | 5 | 1 | 490 | < 0.01 | < 10 | < 10 | 1 | < 10 | 24 |
| 108306 | 208 | 294 | < 1 | 0.02 | 2 | 110 | 24 | < 5 | 1 | 56 | < 0.01 | < 10 | < 10 | 2 | < 10 | 26 |
| 108308 | 208 | 294 | < 1 | 0.14 | 32 | 1780 | 14 | 5 | 20 | 311 | 0.01 | < 10 | < 10 | 148 | 10 | 120 |
| 108309 | 208 | 294 | 1 | 0.05 | 5 | 440 | 30 | < 5 | 2 | 39 | < 0.01 | < 10 | < 10 | 34 | < 10 | 70 |
| 108310 | 208 | 294 | < 1 | 0.02 | 1 | 40 | 20 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 20 |
| 108311 | 208 | 294 | 1 | 0.04 | 6 | 20 | 352 | < 5 | 2 | 11 | < 0.01 | < 10 | < 10 | 1 | < 10 | 18 |
| 108312 | 208 | 294 | 1 | 0.02 | 5 | 140 | 22 | < 5 | < 1 | 6 | < 0.01 | < 10 | < 10 | 5 | < 10 | 40 |
| 108313 | 208 | 294 | < 1 | 0.01 | 5 | < 10 | 4 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 2 |
| 108314 | 208 | 294 | < 1 | 0.05 | 2 | 70 | 6 | < 5 | 1 | 3 | < 0.01 | < 10 | < 10 | 1 | < 10 | 22 |
| 108315 | 208 | 294 | 1 | 0.11 | 1 | 150 | < 2 | 15 | < 1 | 19 | < 0.01 | < 10 | < 10 | 1 | < 10 | 4 |
| 108316 | 208 | 294 | 2 | 0.06 | 5 | 590 | 64 | < 5 | 2 | 25 | < 0.01 | < 10 | < 10 | 48 | < 10 | 62 |
| 108317 | 208 | 294 | 1 | 0.01 | 7 | 30 | 6 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 3 | < 10 | 10 |
| 108318 | 208 | 294 | < 1 | 0.01 | 3 | < 10 | 10 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 2 |
| 108319 | 208 | 294 | 9 | 0.06 | 35 | 630 | 3060 | < 5 | 3 | 269 | 0.04 | < 10 | < 10 | 36 | 1550 | 98 |
| 108320 | 208 | 294 | 1 | 0.01 | 7 | 30 | 8 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 2 | < 10 | 8 |
| 108321 | 208 | 294 | 2 | 0.02 | 10 | 780 | 62 | 5 | 2 | 15 | < 0.01 | < 10 | < 10 | 9 | < 10 | 78 |
| 108322 | 208 | 294 | 1 | 0.01 | 6 | < 10 | 188 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 2 | < 10 | 8 |
| 108323 | 208 | 294 | 2 | 0.01 | 4 | 250 | 36 | < 5 | 1 | 11 | < 0.01 | < 10 | < 10 | 3 | < 10 | 62 |
| 108324 | 208 | 294 | 1 | 0.01 | 4 | < 10 | 98 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 16 |
| 108325 | 208 | 294 | < 1 | 0.04 | 7 | 380 | 20 | < 5 | 1 | 10 | 0.01 | < 10 | < 10 | 12 | < 10 | 46 |
| 108327 | 208 | 294 | 4 | 0.01 | 11 | 110 | 102 | < 5 | < 1 | 7 | < 0.01 | < 10 | < 10 | 3 | < 10 | 12 |
| 108333 | 208 | 294 | 6 | 0.04 | 20 | 3140 | 274 | 15 | 12 | 91 | 0.22 | < 10 | < 10 | 162 | 10 | 278 |
| 108336 | 208 | 294 | < 1 | 0.46 | 72 | 2090 | 4 | < 5 | 13 | 273 | 0.25 | < 10 | < 10 | 104 | < 10 | 116 |
| 108338 | 208 | 294 | < 1 | 0.03 | 10 | 260 | 714 | 5 | 4 | 80 | < 0.01 | < 10 | < 10 | 9 | < 10 | 322 |
| 108360 | 208 | 294 | 3 | 0.02 | 8 | 150 | >10000 | 165 | 1 | 27 | 0.03 | < 10 | < 10 | 17 | < 10 | 4660 |
| 108366 | 208 | 294 | < 1 | 0.02 | 16 | 530 | 104 | 5 | 9 | 105 | 0.12 | < 10 | < 10 | 91 | < 10 | 58 |
| 108368 | 208 | 294 | 3 | 0.12 | 4 | 130 | 96 | < 5 | 1 | 12 | 0.01 | < 10 | < 10 | 10 | < 10 | 34 |

CERTIFICATION: B. Caufield

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Project : DAWSON
Comments:

Page Number : 3-A
Total Pages : 4
Invoice Date: 22-AUG-90
Invoice No. : I-9020957
P.O. Number : NONE

## CERTIFICATE OF ANALYSIS A9020957

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108375 | 208 | 294 | < 0.002 | 0.6 | 2.90 | < 5 | 650 | < 0.5 | < 2 | 0.48 | 0.5 | 9 | 148 | 24 | 5.47 | 10 | < 1 | 0.23 | 30 | 2.03 | 690 |
| 108376 | 208 | 294 | < 0.002 | 0.8 | 2.40 | < 5 | 440 | < 0.5 | < 2 | 2.39 | < 0.5 | 33 | 49 | 22 | 6.54 | 10 | < 1 | 0.16 | 20 | 1.94 | 2470 |
| 108378 | 208 | 294 | < 0.002 | < 0.2 | 2.15 | < 5 | 520 | < 0.5 | < 2 | 0.33 | < 0.5 | 8 | 250 | 12 | 4.70 | 10 | < 1 | 0.32 | 10 | 1.24 | 545 |
| 108379 | 208 | 294 | < 0.002 | < 0.2 | 0.96 | 35 | 110 | < 0.5 | < 2 | 0.35 | < 0.5 | 3 | 150 | 4 | 1.43 | < 10 | < 1 | 0.08 | 10 | 0.28 | 225 |
| 108380 | 208 | 294 | 0.004 | < 0.2 | 0.29 | < 5 | 140 | < 0.5 | < 2 | 0.02 | < 0.5 | 1 | 390 | 4 | 0.87 | < 10 | < 1 | 0.04 | < 10 | 0.16 | 80 |
| 108381 | 208 | 294 | < 0.002 | 0.4 | 0.66 | 50 | 2430 | < 0.5 | < 2 | 0.04 | < 0.5 | 2 | 98 | 12 | 1.78 | < 10 | < 1 | 0.29 | 20 | 0.08 | 80 |
| 108385 | 208 | 294 | < 0.002 | < 0.2 | 0.17 | < 5 | 210 | < 0.5 | 2 | 0.01 | < 0.5 | 1 | 163 | 6 | 0.42 | < 10 | < 1 | 0.14 | 10 | 0.01 | 180 |
| 108387 | 208 | 294 | < 0.002 | < 0.2 | 0.31 | < 5 | 190 | < 0.5 | < 2 | 0.20 | < 0.5 | < 1 | 133 | 3 | 0.57 | < 10 | < 1 | 0.24 | 30 | 0.10 | 85 |
| 108390 | 208 | 294 | < 0.002 | < 0.2 | 0.63 | < 5 | 710 | < 0.5 | 2 | 0.18 | < 0.5 | 4 | 169 | 49 | 1.64 | < 10 | < 1 | 0.47 | 30 | 0.42 | 355 |
| 108391 | 208 | 294 | < 0.002 | < 0.2 | 1.14 | 5 | 820 | < 0.5 | < 2 | 0.13 | < 0.5 | 4 | 115 | 12 | 2.64 | < 10 | < 1 | 0.29 | 10 | 0.63 | 270 |
| 108392 | 208 | 294 | < 0.002 | < 0.2 | 0.76 | < 5 | 70 | < 0.5 | 2 | 0.16 | < 0.5 | 2 | 248 | 3 | 1.53 | < 10 | < 1 | 0.04 | < 10 | 0.51 | 190 |
| 108396 | 208 | 294 | 0.002 | 0.4 | 0.46 | 95 | 320 | < 0.5 | < 2 | 0.04 | 0.5 | 2 | 521 | 11 | 1.65 | < 10 | < 1 | 0.16 | < 10 | 0.07 | 145 |
| 108399 | 208 | 294 | < 0.002 | 1.2 | 0.90 | 690 | 150 | 0.5 | < 2 | 0.13 | 1.5 | 2 | 95 | 6 | 1.40 | 10 | < 1 | 0.39 | 60 | 0.12 | 150 |
| 1803 J | 208 | 294 | < 0.002 | 1.6 | 3.29 | 25 | 750 | 1.5 | < 2 | 1.86 | 1.0 | 25 | 51 | 28 | 7.59 | 20 | < 1 | 0.37 | 40 | 1.83 | 750 |
| 1804 J | 208 | 294 | < 0.002 | 1.4 | 0.80 | 20 | 740 | 0.5 | 2 | 0.16 | < 0.5 | 9 | 76 | 16 | 2.10 | < 10 | < 1 | 0.31 | 30 | 0.31 | 135 |
| 1805 J | 208 | 294 | < 0.002 | 9.8 | 0.43 | 230 | 350 | < 0.5 | < 2 | 5.87 | 2.0 | 40 | 573 | 15 | 3.12 | < 10 | < 1 | < 0.01 | < 10 | 11.70 | 855 |
| 1806 J | 208 | 294 | < 0.002 | >200 | 0.08 | 60 | 20 | < 0.5 | 8 | 0.01 | >100.0 | < 1 | 126 | 615 | 1.30 | < 10 | < 1 | < 0.01 | < 10 | 0.04 | 20 |
| 1807 J | 208 | 294 | < 0.002 | 0.8 | 0.52 | 15 | 110 | < 0.5 | 2 | 0.06 | < 0.5 | < 1 | 87 | 12 | 1.42 | < 10 | < 1 | 0.31 | 10 | 0.05 | 55 |
| 1808 J | 208 | 294 | 0.013 | >200 | 0.07 | 150 | < 10 | < 0.5 | < 2 | 0.04 | 46.0 | < 1 | 226 | 1710 | 1.81 | < 10 | < 1 | < 0.01 | < 10 | 0.05 | 40 |
| 1809 J | 208 | 294 | < 0.002 | 1.0 | 0.17 | < 5 | 3660 | < 0.5 | 2 | 0.01 | < 0.5 | < 1 | 151 | 6 | 0.30 | < 10 | < 1 | 0.15 | < 10 | 0.01 | 10 |
| 1810 J | 208 | 294 | < 0.002 | 0.6 | 0.24 | 10 | 350 | < 0.5 | 2 | 0.01 | 0.5 | < 1 | 189 | 7 | 0.58 | < 10 | < 1 | 0.28 | 20 | 0.02 | 60 |
| 1811 J | 208 | 294 | 0.026 | 5.8 | 0.20 | < 5 | 140 | < 0.5 | 2 | 0.01 | 0.5 | < 1 | 309 | 24 | 0.80 | < 10 | < 1 | 0.07 | < 10 | 0.05 | 50 |
| 1812 J | 208 | 294 | < 0.002 | < 0.2 | 0.03 | < 5 | 30 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 268 | 3 | 0.28 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 20 |
| 1813 J | 208 | 294 | < 0.002 | < 0.2 | 0.02 | 5 | 60 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 220 | 3 | 0.30 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 40 |
| 1815 J | 208 | 294 | < 0.002 | < 0.2 | 0.08 | < 5 | 70 | < 0.5 | 2 | 0.01 | < 0.5 | < 1 | 223 | 2 | 0.42 | < 10 | < 1 | 0.06 | < 10 | 0.01 | 30 |
| 1816 J | 208 | 294 | < 0.002 | < 0.2 | 0.11 | 5 | 40 | < 0.5 | 2 | 0.02 | < 0.5 | 3 | 200 | 6 | 0.82 | < 10 | < 1 | < 0.01 | < 10 | 0.02 | 95 |
| 1817 J | 208 | 294 | 0.051 | 8.0 | 0.22 | < 5 | 1220 | < 0.5 | 2 | 0.01 | < 0.5 | < 1 | 262 | 16 | 0.80 | < 10 | < 1 | 0.13 | < 10 | 0.05 | 45 |
| 1818 J | 208 | 294 | 0.002 | < 0.2 | 0.11 | < 5 | 6460 | < 0.5 | 2 | 0.01 | < 0.5 | < 1 | 323 | 7 | 0.80 | < 10 | < 1 | < 0.01 | < 10 | 0.01 | 35 |
| 1819 J | 208 | 294 | 0.319 | 1.2 | 0.43 | 20 | 190 | < 0.5 | < 2 | 0.02 | 0.5 | 12 | 264 | 7 | 0.80 | < 10 | < 1 | 0.08 | < 10 | 0.44 | 515 |
| 1820 J | 208 | 294 | 0.002 | 2.0 | 4.00 | < 5 | 170 | < 0.5 | < 2 | 2.52 | 18.5 | 35 | 44 | 23 | 8.80 | 20 | < 1 | 0.14 | 30 | 3.37 | 950 |
| 1821 J | 208 | 294 | 0.022 | 1.4 | 0.41 | 10 | 170 | < 0.5 | 4 | 0.07 | 0.5 | 2 | 297 | 12 | 1.12 | < 10 | < 1 | 0.01 | < 10 | 0.54 | 120 |
| 1822 J | 208 | 294 | 0.145 | 0.4 | 0.16 | < 5 | 100 | < 0.5 | 2 | 0.03 | < 0.5 | < 1 | 224 | 2 | 0.58 | < 10 | < 1 | 0.08 | < 10 | 0.06 | 130 |
| 1823 J | 208 | 294 | < 0.002 | < 0.2 | 0.03 | 5 | 20 | < 0.5 | 2 | 0.01 | < 0.5 | < 1 | 279 | 1 | 0.33 | < 10 | < 1 | < 0.01 | < 10 | 0.02 | 90 |
| 1824 J | 208 | 294 | < 0.002 | 0.4 | 0.54 | 5 | 160 | < 0.5 | < 2 | 0.14 | < 0.5 | 2 | 260 | 12 | 0.95 | < 10 | 1 | 0.11 | 10 | 0.21 | 95 |
| 1825 J | 208 | 294 | 0.002 | >200 | 0.09 | 700 | < 10 | < 0.5 | 80 | 0.03 | >100.0 | < 1 | 204 | >10000 | 3.46 | < 10 | < 1 | < 0.01 | < 10 | 0.04 | 20 |
| 1826 J | 208 | 294 | < 0.002 | 27.8 | 2.91 | 20 | 120 | < 0.5 | < 2 | 2.88 | 2.0 | 26 | 80 | 356 | 6.51 | 10 | < 1 | 0.36 | < 10 | 2.11 | 1060 |
| 1827 J | 208 | 294 | < 0.002 | 22.0 | 0.44 | 110 | 350 | < 0.5 | < 2 | 0.08 | 2.5 | 1 | 337 | 318 | 2.70 | < 10 | < 1 | 0.30 | < 10 | 0.21 | 130 |
| 1828 J | 208 | 294 | 0.004 | 24.6 | 0.12 | 520 | 20 | < 0.5 | 8 | 0.03 | 3.0 | < 1 | 237 | 449 | 3.76 | < 10 | < 1 | 0.08 | < 10 | 0.02 | 55 |
| 1829 J | 208 | 294 | < 0.002 | 2.0 | 0.50 | 85 | 250 | < 0.5 | < 2 | 0.04 | 0.5 | 3 | 253 | 69 | 1.11 | < 10 | < 1 | 0.29 | 10 | 0.06 | 180 |
| 1830 J | 208 | 294 | < 0.002 | < 0.2 | 0.06 | 10 | 300 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 240 | 4 | 0.42 | < 10 | < 1 | 0.02 | < 10 | 0.01 | 20 |

CERTIFICATION: B. Caufield

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Page Number : 3-B
Total Pages : 4
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P.O. Number : NONE

## CERTIFICATE OF ANALYSIS A9020957

| SAMPLE DESCRIPTION | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108375 | 208 294 | < 1 | 0.05 | 16 | 990 | 30 | < 5 | 11 | 26 | 0.24 | < 10 | < 10 | 57 | < 10 | 144 |
| 108376 | 208 294 | < 1 | 0.28 | 29 | 2720 | 20 | < 5 | 9 | 124 | 0.12 | < 10 | < 10 | 79 | < 10 | 108 |
| 108378 | 208 294 | < 1 | 0.07 | 16 | 930 | 22 | < 5 | 11 | 22 | 0.04 | < 10 | < 10 | 59 | < 10 | 62 |
| 108379 | 208 294 | < 1 | 0.02 | 4 | 280 | 26 | < 5 | 2 | 30 | 0.05 | < 10 | < 10 | 15 | < 10 | 40 |
| 108380 | 208 294 | < 1 | 0.01 | 7 | 50 | 24 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 7 | < 10 | 26 |
| 108381 | 208 294 | 1 | 0.01 | 7 | 210 | 26 | < 5 | 1 | 15 | < 0.01 | < 10 | < 10 | 7 | < 10 | 24 |
| 108385 | 208 294 | 1 | 0.01 | 4 | 20 | 42 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 8 |
| 108387 | 208 294 | < 1 | 0.02 | 1 | 90 | 96 | < 5 | 1 | 20 | < 0.01 | < 10 | < 10 | 1 | < 10 | 26 |
| 108390 | 208 294 | < 1 | 0.04 | 8 | 310 | 64 | < 5 | 3 | 27 | 0.11 | < 10 | < 10 | 6 | < 10 | 32 |
| 108391 | 208 294 | < 1 | 0.02 | 3 | 800 | 82 | < 5 | 6 | 51 | 0.05 | < 10 | < 10 | 24 | < 10 | 28 |
| 108392 | 208 294 | < 1 | 0.02 | 8 | 630 | 120 | < 5 | 1 | 6 | 0.02 | < 10 | < 10 | 12 | < 10 | 44 |
| 108396 | 208 294 | 4 | 0.01 | 11 | 110 | 186 | < 5 | 1 | 9 | < 0.01 | < 10 | < 10 | 8 | < 10 | 46 |
| 108399 | 208 294 | 2 | 0.02 | 7 | 230 | 282 | 10 | 1 | 15 | < 0.01 | < 10 | < 10 | 4 | < 10 | 62 |
| 1803 J | 208 294 | < 1 | 0.04 | 34 | 4980 | 492 | 5 | 19 | 91 | 0.07 | < 10 | < 10 | 97 | 10 | 150 |
| 1804 J | 208 294 | 1 | 0.01 | 33 | 250 | 882 | < 5 | 1 | 27 | < 0.01 | < 10 | < 10 | 5 | < 10 | 64 |
| 1805 J | 208 294 | < 1 | 0.01 | 762 | < 10 | 5400 | 10 | 4 | 789 | < 0.01 | 20 | < 10 | 11 | < 10 | 112 |
| 1806 J | 208 294 | 6 | 0.01 | 2 | 20 | >10000 | 980 | < 1 | 183 | < 0.01 | < 10 | < 10 | 1 | 30 | 6370 |
| 1807 J | 208 294 | 2 | 0.01 | 4 | 100 | 402 | < 5 | < 1 | 9 | < 0.01 | < 10 | < 10 | 2 | < 10 | 34 |
| 1808 J | 208 294 | 3 | 0.01 | 5 | 20 | 8200 | 30 | < 1 | 5 | < 0.01 | < 10 | < 10 | 3 | 10 | 2750 |
| 1809 J | 208 294 | < 1 | 0.03 | 2 | 60 | 108 | < 5 | < 1 | 121 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 32 |
| 1810 J | 208 294 | 2 | 0.02 | 3 | 60 | 74 | < 5 | < 1 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | 26 |
| 1811 J | 208 294 | < 1 | 0.03 | 4 | 80 | 260 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | 2 | < 10 | 56 |
| 1812 J | 208 294 | < 1 | 0.01 | 3 | 10 | 46 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 12 |
| 1813 J | 208 294 | < 1 | 0.01 | 3 | 10 | 60 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 12 |
| 1815 J | 208 294 | < 1 | 0.03 | 4 | 110 | 112 | < 5 | < 1 | 9 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 12 |
| 1816 J | 208 294 | 1 | 0.01 | 11 | 120 | 40 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 9 | < 10 | 20 |
| 1817 J | 208 294 | 1 | 0.03 | 3 | 110 | 178 | < 5 | < 1 | 13 | < 0.01 | < 10 | < 10 | 2 | < 10 | 54 |
| 1818 J | 208 294 | < 1 | 0.01 | 5 | 90 | 30 | < 5 | < 1 | 22 | < 0.01 | < 10 | < 10 | 1 | < 10 | 22 |
| 1819 J | 208 294 | 1 | 0.02 | 9 | 20 | 40 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 4 | < 10 | 50 |
| 1820 J | 208 294 | < 1 | 0.12 | 22 | 2940 | 188 | 5 | 17 | 76 | 0.14 | < 10 | < 10 | 162 | 10 | 1690 |
| 1821 J | 208 294 | < 1 | 0.06 | 5 | 260 | 246 | < 5 | < 1 | 5 | < 0.01 | < 10 | < 10 | 4 | < 10 | 36 |
| 1822 J | 208 294 | < 1 | 0.01 | 4 | 50 | 54 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | 2 | < 10 | 28 |
| 1823 J | 208 294 | < 1 | 0.01 | 4 | 10 | 12 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 10 |
| 1824 J | 208 294 | < 1 | 0.03 | 8 | 460 | 50 | < 5 | 2 | 6 | 0.02 | < 10 | < 10 | 9 | < 10 | 32 |
| 1825 J | 208 294 | 4 | 0.01 | 3 | < 200 | >10000 | 7190 | < 1 | 21 | < 0.01 | < 10 | < 10 | < 1 | 30 | 5580 |
| 1826 J | 208 294 | 4 | 0.05 | 16 | 470 | 1820 | 35 | 13 | 87 | 0.15 | < 10 | < 10 | 159 | < 10 | 186 |
| 1827 J | 208 294 | 27 | 0.02 | 6 | 70 | 6290 | 30 | 1 | 8 | < 0.01 | < 10 | < 10 | 22 | < 10 | 254 |
| 1828 J | 208 294 | 335 | 0.01 | 4 | 10 | >10000 | 15 | < 1 | 5 | < 0.01 | < 10 | < 10 | 3 | < 10 | 310 |
| 1829 J | 208 294 | 1 | 0.01 | 4 | 80 | 340 | 10 | < 1 | 6 | < 0.01 | < 10 | < 10 | 1 | < 10 | 62 |
| 1830 J | 208 294 | 1 | 0.01 | 4 | 30 | 84 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 10 |

CERTIFICATION: B. Caplette

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Project : DAWSON
Comments:


Invoice Date: 22-AUG-90
Invoice No. : I-9020957
P.O. Number : NONE

## CERTIFICATE OF ANALYSIS A9020957

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1831 J | 208 | 294 | < 0.002 | 0.6 | 0.03 | < 5 | 20 | < 0.5 | 4 | 0.01 | < 0.5 | < 1 | 279 | 6 | 0.34 | < 10 | < 1 | < 0.01 | < 10 | 0.01 | 50 |
| 1832 J | 208 | 294 | < 0.002 | 0.4 | 0.06 | 10 | 60 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 311 | 2 | 0.35 | < 10 | < 1 | 0.01 | < 10 | < 0.01 | 55 |
| 1833 J | 208 | 294 | < 0.002 | 1.0 | 0.50 | 15 | 330 | < 0.5 | 4 | 0.01 | < 0.5 | 1 | 190 | 2 | 0.56 | 10 | < 1 | 0.43 | 30 | 0.03 | 65 |
| 1834 J | 208 | 294 | < 0.002 | < 0.2 | 0.09 | < 5 | 50 | < 0.5 | 4 | < 0.01 | < 0.5 | < 1 | 404 | 2 | 0.36 | < 10 | 1 | 0.01 | < 10 | 0.01 | 60 |
| 1835 J | 208 | 294 | < 0.002 | 1.0 | 0.79 | 180 | 4640 | 0.5 | 2 | 0.04 | 0.5 | < 1 | 109 | 8 | 1.21 | 10 | < 1 | 0.39 | 30 | 0.04 | 80 |
| 1836 J | 208 | 294 | 0.004 | 0.8 | 0.21 | 5 | 1690 | < 0.5 | 6 | 0.03 | < 0.5 | 2 | 294 | 21 | 0.73 | < 10 | < 1 | 0.07 | 10 | 0.07 | 120 |
| 1837 J | 208 | 294 | < 0.002 | 0.8 | 7.18 | < 5 | 50 | < 0.5 | < 2 | 0.17 | 0.5 | 43 | 731 | 216 | 6.28 | 20 | < 1 | < 0.01 | < 10 | 8.44 | 1250 |
| 1838 J | 208 | 294 | < 0.002 | < 0.2 | 0.12 | < 5 | 20 | < 0.5 | 2 | < 0.01 | < 0.5 | < 1 | 292 | 6 | 0.49 | < 10 | < 1 | < 0.01 | < 10 | 0.13 | 65 |
| 1839 J | 208 | 294 | < 0.002 | < 0.2 | 5.12 | 5 | 70 | < 0.5 | < 2 | 0.07 | 1.0 | 16 | 382 | 165 | 5.61 | < 10 | < 1 | 0.10 | < 10 | 6.45 | 1020 |
| 1842 J | 208 | 294 | < 0.002 | 2.8 | 0.17 | < 5 | 120 | < 0.5 | 4 | 0.08 | 0.5 | < 1 | 178 | 39 | 1.73 | < 10 | < 1 | 0.05 | 10 | 0.06 | 80 |
| 1843 J | 208 | 294 | 0.151 | 55.0 | 0.03 | < 5 | 310 | < 0.5 | 2 | 0.05 | 6.0 | < 1 | 298 | 455 | 0.43 | < 10 | 2 | < 0.01 | < 10 | 0.05 | 35 |
| 1844 J | 208 | 294 | 0.051 | 104.5 | 0.03 | 5 | 120 | < 0.5 | 26 | 0.02 | 3.5 | < 1 | 290 | 449 | 0.44 | < 10 | < 1 | < 0.01 | < 10 | 0.02 | 35 |
| 1845 J | 208 | 294 | 0.002 | 2.8 | 0.13 | < 5 | 480 | < 0.5 | 2 | 0.08 | 0.5 | < 1 | 289 | 14 | 0.38 | < 10 | < 1 | < 0.01 | 10 | 0.09 | 65 |
| 1846 J | 208 | 294 | 0.002 | 4.2 | 0.51 | < 5 | 520 | < 0.5 | 12 | 0.13 | < 0.5 | 5 | 80 | 10 | 1.65 | < 10 | < 1 | 0.48 | 30 | 0.05 | 30 |
| 1847 J | 208 | 294 | < 0.002 | 22.0 | 0.03 | 5 | 6040 | < 0.5 | 6 | 0.02 | 6.0 | 1 | 335 | 321 | 0.40 | < 10 | 1 | < 0.01 | < 10 | 0.01 | 35 |
| 1848 J | 208 | 294 | 0.002 | 5.4 | 0.02 | < 5 | 4530 | < 0.5 | 4 | 0.02 | < 0.5 | < 1 | 395 | 16 | 0.41 | < 10 | < 1 | < 0.01 | < 10 | 0.01 | 30 |
| 1849 J | 208 | 294 | < 0.002 | 0.8 | 0.28 | 5 | 450 | < 0.5 | < 2 | 0.32 | 0.5 | 1 | 229 | 25 | 1.45 | < 10 | < 1 | 0.21 | 10 | 0.08 | 75 |
| 1850 J | 208 | 294 | < 0.002 | 0.4 | 0.54 | 10 | 2420 | < 0.5 | 6 | 0.03 | < 0.5 | 1 | 137 | 7 | 0.87 | < 10 | < 1 | 0.32 | 10 | 0.20 | 75 |
| 1851 J | 208 | 294 | < 0.002 | < 0.2 | 0.19 | < 5 | 410 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 401 | 4 | 0.59 | < 10 | < 1 | 0.07 | < 10 | 0.06 | 105 |
| 1852 J | 208 | 294 | < 0.002 | < 0.2 | 3.63 | < 5 | 1710 | < 0.5 | < 2 | 4.51 | < 0.5 | 31 | 32 | 21 | 7.92 | 10 | < 1 | 0.14 | < 10 | 2.67 | 1035 |
| 1853 J | 208 | 294 | 0.002 | < 0.2 | 0.15 | < 5 | 770 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 195 | 2 | 0.40 | < 10 | < 1 | 0.08 | 10 | 0.02 | 55 |
| 1854 J | 208 | 294 | < 0.002 | < 0.2 | 3.75 | 10 | 2270 | < 0.5 | < 2 | 3.40 | 1.0 | 27 | 41 | 22 | 6.81 | 10 | < 1 | 0.08 | 10 | 2.31 | 825 |
| 1855 J | 208 | 294 | 0.006 | < 0.2 | 0.62 | 5 | 3880 | < 0.5 | < 2 | 0.10 | 1.0 | < 1 | 114 | 3 | 1.91 | < 10 | < 1 | 0.11 | 40 | 0.30 | 510 |
| 1856 J | 208 | 294 | < 0.002 | < 0.2 | 0.06 | < 5 | 100 | < 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 398 | 2 | 0.44 | < 10 | 1 | < 0.01 | < 10 | 0.02 | 85 |
| 1857 J | 208 | 294 | < 0.002 | < 0.2 | 0.27 | < 5 | 180 | < 0.5 | < 2 | 0.02 | < 0.5 | 1 | 145 | 1 | 0.40 | < 10 | < 1 | 0.22 | 30 | 0.01 | 40 |

CERTIFICATION: B. Caufield

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Project : DAWSON
Comments:

Page Number : 4-B
Total Pages : 4
Invoice Date: 22-AUG-90
Invoice No. : I-9020957
P.O. Number : NONE

## CERTIFICATE OF ANALYSIS A9020957

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1831 J | 208 | 294 | < 1 | 0.01 | 5 | 30 | 48 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 10 |
| 1832 J | 208 | 294 | < 1 | 0.01 | 4 | 10 | 28 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 14 |
| 1833 J | 208 | 294 | < 1 | 0.05 | 3 | 40 | 30 | < 5 | 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 18 |
| 1834 J | 208 | 294 | < 1 | 0.01 | 5 | 10 | 32 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 6 |
| 1835 J | 208 | 294 | 1 | 0.01 | 3 | 210 | 34 | < 5 | 1 | 45 | < 0.01 | < 10 | < 10 | 2 | < 10 | 36 |
| 1836 J | 208 | 294 | < 1 | 0.04 | 5 | 130 | 90 | < 5 | < 1 | 58 | < 0.01 | < 10 | < 10 | 1 | < 10 | 38 |
| 1837 J | 208 | 294 | < 1 | 0.01 | 155 | 60 | 390 | 5 | 24 | 3 | 0.13 | < 10 | < 10 | 184 | < 10 | 504 |
| 1838 J | 208 | 294 | < 1 | 0.01 | 7 | 20 | 24 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | 3 | < 10 | 20 |
| 1839 J | 208 | 294 | 1 | 0.02 | 79 | 70 | 266 | 10 | 18 | 2 | 0.07 | < 10 | < 10 | 150 | < 10 | 518 |
| 1842 J | 208 | 294 | 9 | 0.09 | 3 | 90 | 736 | 5 | < 1 | 9 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 136 |
| 1843 J | 208 | 294 | 1 | 0.01 | 4 | < 10 | 2860 | 100 | < 1 | 7 | < 0.01 | < 10 | < 10 | 1 | < 10 | 126 |
| 1844 J | 208 | 294 | 1 | 0.01 | 4 | < 10 | >10000 | 85 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 82 |
| 1845 J | 208 | 294 | < 1 | 0.09 | 4 | 60 | 680 | < 5 | 1 | 16 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 76 |
| 1846 J | 208 | 294 | 3 | 0.01 | 4 | 290 | 182 | < 5 | < 1 | 13 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 60 |
| 1847 J | 208 | 294 | 22 | 0.01 | 4 | < 10 | 2790 | 55 | < 1 | 98 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 302 |
| 1848 J | 208 | 294 | < 1 | 0.01 | 5 | < 10 | 280 | 15 | < 1 | 101 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 24 |
| 1849 J | 208 | 294 | 2 | 0.03 | 8 | 300 | 230 | < 5 | < 1 | 30 | < 0.01 | < 10 | < 10 | 2 | < 10 | 108 |
| 1850 J | 208 | 294 | < 1 | 0.07 | 4 | 90 | 32 | < 5 | 4 | 26 | < 0.01 | < 10 | < 10 | 3 | < 10 | 48 |
| 1851 J | 208 | 294 | < 1 | 0.01 | 5 | 120 | 12 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | 3 | < 10 | 12 |
| 1852 J | 208 | 294 | < 1 | 0.09 | 26 | 1760 | 6 | < 5 | 22 | 181 | 0.01 | < 10 | < 10 | 158 | 20 | 126 |
| 1853 J | 208 | 294 | < 1 | 0.05 | 3 | 50 | 6 | < 5 | < 1 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | 8 |
| 1854 J | 208 | 294 | < 1 | 0.22 | 29 | 1710 | 6 | < 5 | 21 | 175 | 0.11 | < 10 | < 10 | 157 | 10 | 106 |
| 1855 J | 208 | 294 | < 1 | 0.10 | 4 | 40 | 82 | < 5 | 14 | 26 | < 0.01 | < 10 | < 10 | 5 | < 10 | 60 |
| 1856 J | 208 | 294 | < 1 | 0.01 | 4 | 70 | 8 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 2 | < 10 | 8 |
| 1857 J | 208 | 294 | < 1 | 0.09 | 2 | 30 | 14 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | 1 | < 10 | 8 |

CERTIFICATION: B. Caplan

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To: ARBOR RESOURCES INC.

2321 BELLEVUE AVE.
WEST VANCOUVER, BC
V7V 1C9

A9021703

Comments:

## CERTIFICATE A9021703

ARBOR RESOURCES INC.

Project: DAWSON
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 5-SEP-90.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 208 | 120 | Assay ring to approx 150 mesh |
| 294 | 120 | Crush and split (0-10 pounds) |

* 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 |
|---|---|---|---|---|---|
| 398 | 120 | Au oz/T: 1/2 assay ton | FA-AAS | 0.002 | 20.00 |
| 922 | 120 | Ag ppm: 32 element, soil & rock | ICP-AES | 0.2 | 200 |
| 921 | 120 | Al %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 923 | 120 | As ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 924 | 120 | Ba ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 925 | 120 | Be ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 926 | 120 | Bi ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 927 | 120 | Ca %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 928 | 120 | Cd ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 929 | 120 | Co ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 930 | 120 | Cr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 931 | 120 | Cu ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 932 | 120 | Fe %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 933 | 120 | Ga ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 951 | 120 | Hg ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 934 | 120 | K %: 32 element, soil & rock | ICP-AES | 0.01 | 10.00 |
| 935 | 120 | La ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 936 | 120 | Mg %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 937 | 120 | Mn ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 938 | 120 | Mo ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 939 | 120 | Na %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 940 | 120 | Ni ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 941 | 120 | P ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 942 | 120 | Pb ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 943 | 120 | Sb ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 958 | 120 | Sc ppm: 32 elements, soil & rock | ICP-AES | 1 | 10000 |
| 944 | 120 | Sr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 945 | 120 | Ti %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 946 | 120 | Tl ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 947 | 120 | U ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 948 | 120 | V ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 949 | 120 | W ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 950 | 120 | Zn ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |

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To: ARBOR RESOURCES INC.

2321 BELLEVUE AVE.
WEST VANCOUVER, BC
V7V 1C9

Project : DAWSON
Comments:


Invoice Date: 5-SEP-90
Invoice No. : I-9021703
P.O. Number :

## CERTIFICATE OF ANALYSIS A9021703

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38951 | 208 | 294 | < 0.002 | < 0.2 | 0.44 | 25 | 690 | < 0.5 | < 2 | 0.06 | < 0.5 | < 1 | 65 | 2 | 0.49 | < 10 | < 1 | 0.29 | 30 | 0.04 | 100 |
| 38952 | 208 | 294 | < 0.002 | < 0.2 | 0.43 | 20 | 900 | 0.5 | < 2 | 0.07 | < 0.5 | 1 | 43 | 4 | 0.60 | < 10 | < 1 | 0.33 | 40 | 0.05 | 100 |
| 38953 | 208 | 294 | < 0.002 | < 0.2 | 0.56 | 5 | 710 | 0.5 | < 2 | 0.06 | < 0.5 | < 1 | 37 | 2 | 0.55 | < 10 | < 1 | 0.33 | 40 | 0.06 | 120 |
| 38954 | 208 | 294 | < 0.002 | < 0.2 | 0.56 | 10 | 640 | < 0.5 | < 2 | 0.06 | < 0.5 | < 1 | 38 | < 1 | 0.50 | < 10 | < 1 | 0.34 | 40 | 0.06 | 145 |
| 38955 | 208 | 294 | < 0.002 | < 0.2 | 0.66 | 10 | 580 | < 0.5 | < 2 | 0.07 | 0.5 | 1 | 34 | < 1 | 0.55 | < 10 | < 1 | 0.36 | 40 | 0.06 | 125 |
| 38957 | 208 | 294 | < 0.002 | < 0.2 | 0.50 | 10 | 620 | < 0.5 | < 2 | 0.05 | < 0.5 | < 1 | 33 | < 1 | 0.53 | < 10 | < 1 | 0.32 | 40 | 0.05 | 335 |
| 38958 | 208 | 294 | < 0.002 | < 0.2 | 0.40 | 10 | 380 | < 0.5 | < 2 | 0.11 | < 0.5 | < 1 | 41 | < 1 | 0.32 | < 10 | < 1 | 0.32 | 20 | 0.02 | 190 |
| 38959 | 208 | 294 | < 0.002 | < 0.2 | 0.41 | 5 | 640 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 31 | < 1 | 0.42 | < 10 | < 1 | 0.41 | 20 | 0.04 | 250 |
| 38960 | 208 | 294 | < 0.002 | < 0.2 | 0.37 | 10 | 400 | < 0.5 | < 2 | 0.05 | < 0.5 | < 1 | 38 | < 1 | 0.44 | < 10 | < 1 | 0.26 | 40 | 0.03 | 220 |
| 38961 | 208 | 294 | < 0.002 | < 0.2 | 0.16 | 5 | 270 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 132 | < 1 | 0.28 | < 10 | < 1 | 0.08 | < 10 | 0.01 | 110 |
| 38962 | 208 | 294 | < 0.002 | < 0.2 | 0.47 | < 5 | 610 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 47 | 1 | 0.46 | < 10 | < 1 | 0.30 | 30 | 0.04 | 150 |
| 38963 | 208 | 294 | < 0.002 | < 0.2 | 1.00 | < 5 | 350 | < 0.5 | 2 | 0.45 | 0.5 | 4 | 71 | 9 | 1.36 | < 10 | < 1 | 0.57 | 30 | 0.66 | 490 |
| 38964 | 208 | 294 | 1.358 | 15.0 | 0.14 | 10 | 70 | < 0.5 | 6 | 0.01 | < 0.5 | < 1 | 196 | 3 | 0.59 | < 10 | < 1 | 0.07 | < 10 | 0.04 | 45 |
| 38965 | 208 | 294 | 0.020 | 1.2 | 0.77 | 35 | 390 | < 0.5 | < 2 | 0.11 | 1.5 | 4 | 64 | 3 | 1.25 | < 10 | < 1 | 0.47 | 30 | 0.40 | 325 |
| 38966 | 208 | 294 | 0.600 | 8.2 | 0.11 | 5 | 50 | < 0.5 | 4 | 0.02 | < 0.5 | 1 | 214 | 1 | 0.42 | < 10 | < 1 | 0.04 | < 10 | 0.07 | 65 |
| 38967 | 208 | 294 | 0.060 | 2.4 | 0.05 | 10 | 60 | < 0.5 | 2 | < 0.01 | < 0.5 | < 1 | 198 | 1 | 0.77 | < 10 | < 1 | 0.03 | < 10 | 0.01 | 25 |
| 38968 | 208 | 294 | 0.102 | < 0.2 | 0.15 | 5 | 50 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 197 | 1 | 0.44 | < 10 | < 1 | 0.05 | < 10 | 0.12 | 160 |
| 38969 | 208 | 294 | 0.052 | 1.4 | 0.27 | 20 | 100 | < 0.5 | 2 | 0.02 | < 0.5 | 1 | 185 | 1 | 0.66 | < 10 | < 1 | 0.14 | 10 | 0.11 | 100 |
| 38970 | 208 | 294 | 0.036 | 4.8 | 0.06 | < 5 | 40 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 248 | < 1 | 0.37 | < 10 | < 1 | 0.01 | < 10 | 0.03 | 110 |
| 38971 | 208 | 294 | 0.858 | 33.0 | 0.07 | < 5 | 30 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 267 | 1 | 0.38 | < 10 | < 1 | 0.03 | < 10 | 0.02 | 45 |
| 38972 | 208 | 294 | 0.008 | 1.2 | 0.08 | < 5 | 50 | < 0.5 | 2 | 0.03 | < 0.5 | < 1 | 193 | 3 | 0.38 | < 10 | < 1 | 0.02 | < 10 | 0.04 | 85 |
| 38973 | 208 | 294 | 0.385 | 5.4 | 0.15 | 5 | 60 | < 0.5 | 2 | 0.01 | 0.5 | 1 | 249 | 4 | 0.55 | < 10 | < 1 | 0.04 | < 10 | 0.10 | 120 |
| 38974 | 208 | 294 | 0.042 | < 0.2 | 0.11 | 5 | 40 | < 0.5 | 2 | 0.02 | 0.5 | 1 | 242 | 2 | 0.45 | < 10 | < 1 | 0.02 | < 10 | 0.07 | 205 |
| 38975 | 208 | 294 | 0.165 | 2.6 | 0.16 | 5 | 60 | < 0.5 | < 2 | 0.02 | 0.5 | 1 | 200 | 2 | 0.54 | < 10 | < 1 | 0.05 | < 10 | 0.10 | 180 |
| 38976 | 208 | 294 | 0.068 | 3.6 | 0.10 | 10 | 30 | < 0.5 | < 2 | 0.02 | 0.5 | < 1 | 215 | 2 | 0.60 | < 10 | < 1 | 0.03 | < 10 | 0.08 | 115 |
| 38977 | 208 | 294 | < 0.002 | < 0.2 | 0.29 | 5 | 80 | < 0.5 | < 2 | 0.08 | 1.0 | 3 | 202 | 4 | 0.74 | < 10 | < 1 | 0.04 | < 10 | 0.18 | 180 |
| 38978 | 208 | 294 | < 0.002 | < 0.2 | 0.36 | < 5 | 210 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 68 | 4 | 0.41 | < 10 | < 1 | 0.25 | 30 | 0.14 | 90 |
| 38979 | 208 | 294 | < 0.002 | 0.4 | 2.47 | < 5 | 370 | < 0.5 | < 2 | 0.43 | 1.0 | 15 | 55 | 15 | 3.48 | < 10 | < 1 | 0.37 | 20 | 1.17 | 565 |
| 38980 | 208 | 294 | < 0.002 | < 0.2 | 1.03 | 15 | 310 | 4.0 | < 2 | 0.28 | < 0.5 | 7 | 66 | 14 | 1.98 | < 10 | < 1 | 0.28 | 20 | 0.47 | 435 |
| 38981 | 208 | 294 | < 0.002 | < 0.2 | 1.15 | 10 | 310 | 4.0 | < 2 | 0.29 | < 0.5 | 8 | 71 | 14 | 1.93 | < 10 | < 1 | 0.31 | 20 | 0.49 | 375 |
| 38982 | 208 | 294 | < 0.002 | < 0.2 | 1.12 | 15 | 310 | 3.5 | < 2 | 0.31 | < 0.5 | 7 | 74 | 8 | 1.84 | < 10 | < 1 | 0.36 | 20 | 0.48 | 280 |
| 38983 | 208 | 294 | < 0.002 | < 0.2 | 1.23 | 10 | 340 | 3.5 | < 2 | 0.27 | < 0.5 | 8 | 77 | 13 | 1.99 | < 10 | < 1 | 0.30 | 20 | 0.61 | 340 |
| 38984 | 208 | 294 | < 0.002 | < 0.2 | 1.39 | 5 | 410 | 4.0 | < 2 | 0.30 | < 0.5 | 8 | 80 | 12 | 2.21 | < 10 | < 1 | 0.43 | 30 | 0.68 | 435 |
| 38985 | 208 | 294 | < 0.002 | < 0.2 | 2.37 | 20 | 520 | 4.5 | < 2 | 0.40 | < 0.5 | 14 | 57 | 21 | 2.95 | < 10 | < 1 | 0.37 | 30 | 0.94 | 545 |
| 38986 | 208 | 294 | < 0.002 | < 0.2 | 4.23 | 45 | 860 | 6.5 | < 2 | 0.64 | < 0.5 | 26 | 42 | 20 | 5.29 | < 10 | < 1 | 0.24 | 20 | 2.02 | 805 |
| 38987 | 208 | 294 | < 0.002 | < 0.2 | 4.57 | 35 | 550 | 5.0 | < 2 | 0.64 | 0.5 | 24 | 37 | 18 | 4.74 | < 10 | < 1 | 0.28 | 20 | 2.19 | 635 |
| 38988 | 208 | 294 | < 0.002 | < 0.2 | 4.79 | 35 | 740 | 5.5 | < 2 | 0.71 | < 0.5 | 26 | 40 | 20 | 5.30 | < 10 | < 1 | 0.36 | 20 | 2.39 | 760 |
| 38989 | 208 | 294 | < 0.002 | < 0.2 | 1.99 | 75 | 340 | 2.5 | < 2 | 0.37 | 0.5 | 11 | 55 | 27 | 3.07 | < 10 | < 1 | 0.21 | 20 | 1.09 | 490 |
| 38990 | 208 | 294 | < 0.002 | < 0.2 | 2.01 | 135 | 320 | < 0.5 | < 2 | 0.36 | 0.5 | 9 | 63 | 22 | 3.15 | < 10 | < 1 | 0.23 | 20 | 1.15 | 425 |
| 38991 | 208 | 294 | < 0.002 | < 0.2 | 1.67 | 120 | 250 | < 0.5 | < 2 | 0.29 | < 0.5 | 8 | 85 | 18 | 2.94 | < 10 | < 1 | 0.18 | 10 | 0.99 | 295 |

CERTIFICATION: B. Caryl

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Project : DAWSON
Comments:


Invoice Date: 5-SEP-90
Invoice No. : I-9021703
P.O. Number :

## CERTIFICATE OF ANALYSIS A9021703

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38951 | 208 | 294 | < 1 | 0.02 | < 1 | 100 | 32 | < 5 | 2 | 10 | < 0.01 | 10 | < 10 | < 1 | < 10 | 32 |
| 38952 | 208 | 294 | < 1 | 0.02 | 1 | 110 | 20 | < 5 | 2 | 9 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 50 |
| 38953 | 208 | 294 | < 1 | 0.02 | < 1 | 100 | 20 | < 5 | 2 | 9 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 38 |
| 38954 | 208 | 294 | < 1 | 0.01 | < 1 | 80 | 56 | < 5 | 2 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 40 |
| 38955 | 208 | 294 | < 1 | 0.01 | < 1 | 80 | 20 | < 5 | 2 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 62 |
| 38957 | 208 | 294 | < 1 | 0.01 | < 1 | 90 | 28 | < 5 | 2 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 34 |
| 38958 | 208 | 294 | < 1 | 0.02 | < 1 | 70 | 16 | < 5 | 1 | 11 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 22 |
| 38959 | 208 | 294 | < 1 | 0.01 | 1 | 90 | 18 | < 5 | 2 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 20 |
| 38960 | 208 | 294 | < 1 | 0.03 | < 1 | 90 | 22 | < 5 | 2 | 9 | < 0.01 | 10 | < 10 | < 1 | < 10 | 32 |
| 38961 | 208 | 294 | < 1 | 0.01 | 1 | 30 | 10 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 10 |
| 38962 | 208 | 294 | < 1 | 0.01 | < 1 | 60 | 16 | < 5 | 2 | 6 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 22 |
| 38963 | 208 | 294 | < 1 | 0.02 | 4 | 430 | 38 | < 5 | 1 | 25 | 0.02 | < 10 | < 10 | 3 | < 10 | 46 |
| 38964 | 208 | 294 | < 1 | 0.01 | 3 | 30 | 862 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 82 |
| 38965 | 208 | 294 | < 1 | 0.02 | 4 | 360 | 68 | < 5 | 1 | 11 | 0.01 | < 10 | < 10 | 3 | < 10 | 104 |
| 38966 | 208 | 294 | < 1 | < 0.01 | 3 | 50 | 272 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 48 |
| 38967 | 208 | 294 | 1 | < 0.01 | 2 | 10 | 130 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 22 |
| 38968 | 208 | 294 | < 1 | < 0.01 | 3 | 20 | 112 | < 5 | < 1 | 1 | < 0.01 | 10 | < 10 | 1 | < 10 | 40 |
| 38969 | 208 | 294 | < 1 | 0.01 | 3 | 60 | 190 | < 5 | < 1 | 3 | < 0.01 | 10 | < 10 | 1 | < 10 | 90 |
| 38970 | 208 | 294 | < 1 | < 0.01 | 2 | < 10 | 50 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 26 |
| 38971 | 208 | 294 | < 1 | < 0.01 | 3 | < 10 | 76 | < 5 | < 1 | < 1 | < 0.01 | 10 | < 10 | 1 | < 10 | 14 |
| 38972 | 208 | 294 | < 1 | < 0.01 | 2 | < 10 | 154 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 24 |
| 38973 | 208 | 294 | 1 | < 0.01 | 3 | 10 | 374 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 60 |
| 38974 | 208 | 294 | < 1 | < 0.01 | 3 | 30 | 178 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 48 |
| 38975 | 208 | 294 | < 1 | < 0.01 | 3 | 20 | 126 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 68 |
| 38976 | 208 | 294 | < 1 | < 0.01 | 2 | 40 | 352 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 54 |
| 38977 | 208 | 294 | < 1 | 0.01 | 7 | 110 | 22 | < 5 | 1 | 7 | 0.02 | < 10 | < 10 | 7 | < 10 | 18 |
| 38978 | 208 | 294 | < 1 | 0.01 | 2 | 80 | 28 | < 5 | < 1 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 26 |
| 38979 | 208 | 294 | < 1 | 0.01 | 16 | 830 | 10 | < 5 | 9 | 22 | 0.12 | < 10 | < 10 | 51 | < 10 | 62 |
| 38980 | 208 | 294 | < 1 | 0.02 | 10 | 670 | 16 | < 5 | 7 | 13 | 0.05 | < 10 | < 10 | 24 | < 10 | 56 |
| 38981 | 208 | 294 | < 1 | 0.02 | 10 | 770 | 22 | < 5 | 5 | 13 | 0.04 | < 10 | < 10 | 22 | < 10 | 52 |
| 38982 | 208 | 294 | < 1 | 0.02 | 8 | 710 | 10 | < 5 | 6 | 14 | 0.07 | < 10 | < 10 | 21 | < 10 | 48 |
| 38983 | 208 | 294 | < 1 | 0.02 | 9 | 630 | 22 | < 5 | 7 | 13 | 0.04 | < 10 | < 10 | 23 | < 10 | 56 |
| 38984 | 208 | 294 | < 1 | 0.02 | 11 | 730 | 10 | < 5 | 8 | 14 | 0.04 | < 10 | < 10 | 26 | < 10 | 62 |
| 38985 | 208 | 294 | < 1 | 0.02 | 18 | 820 | 8 | < 5 | 9 | 30 | 0.05 | < 10 | < 10 | 43 | < 10 | 68 |
| 38986 | 208 | 294 | 1 | 0.03 | 36 | 1150 | 2 | < 5 | 14 | 54 | 0.07 | < 10 | < 10 | 112 | < 10 | 98 |
| 38987 | 208 | 294 | < 1 | 0.02 | 23 | 1110 | < 2 | < 5 | 13 | 39 | 0.10 | < 10 | < 10 | 96 | < 10 | 90 |
| 38988 | 208 | 294 | 1 | 0.03 | 27 | 1240 | < 2 | < 5 | 14 | 48 | 0.09 | < 10 | < 10 | 114 | < 10 | 98 |
| 38989 | 208 | 294 | 1 | 0.02 | 13 | 860 | 8 | 5 | 4 | 22 | 0.01 | < 10 | < 10 | 41 | < 10 | 112 |
| 38990 | 208 | 294 | < 1 | 0.02 | 13 | 730 | 10 | 5 | 4 | 20 | 0.02 | < 10 | < 10 | 43 | < 10 | 106 |
| 38991 | 208 | 294 | 1 | 0.01 | 10 | 580 | 14 | < 5 | 3 | 16 | < 0.01 | < 10 | < 10 | 30 | < 10 | 86 |

CERTIFICATION: B. Caugh

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: ARBOR RESOURCES INC.

2321 BELLEVUE AVE.
WEST VANCOUVER, BC
V7V 1C9

Project : DAWSON
Comments:


Invoice Date: 5-SEP-90
Invoice No. : I-9021703
P.O. Number :

## CERTIFICATE OF ANALYSIS A9021703

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38992 | 208 | 294 | < 0.002 | < 0.2 | 1.81 | 110 | 290 | < 0.5 | < 2 | 0.32 | < 0.5 | 8 | 229 | 17 | 2.98 | < 10 | < 1 | 0.26 | 10 | 0.99 | 340 |
| 38993 | 208 | 294 | < 0.002 | 0.4 | 1.86 | 115 | 200 | < 0.5 | < 2 | 0.34 | < 0.5 | 8 | 112 | 24 | 3.05 | < 10 | < 1 | 0.14 | 10 | 1.04 | 315 |
| 38994 | 208 | 294 | < 0.002 | < 0.2 | 1.56 | 60 | 230 | < 0.5 | < 2 | 0.40 | < 0.5 | 6 | 203 | 22 | 2.57 | < 10 | < 1 | 0.16 | 10 | 0.84 | 250 |
| 38995 | 208 | 294 | < 0.002 | 0.4 | 1.81 | 105 | 200 | < 0.5 | < 2 | 0.30 | < 0.5 | 7 | 148 | 30 | 3.49 | < 10 | < 1 | 0.14 | 10 | 1.05 | 260 |
| 38996 | 208 | 294 | < 0.002 | 0.4 | 2.02 | 110 | 230 | < 0.5 | < 2 | 0.32 | < 0.5 | 9 | 187 | 30 | 3.54 | < 10 | < 1 | 0.16 | 10 | 1.09 | 325 |
| 38997 | 208 | 294 | < 0.002 | < 0.2 | 2.16 | 60 | 230 | < 0.5 | < 2 | 0.36 | < 0.5 | 7 | 201 | 13 | 3.17 | < 10 | < 1 | 0.16 | 10 | 1.34 | 375 |
| 38998 | 208 | 294 | < 0.002 | 0.4 | 1.87 | 55 | 310 | < 0.5 | < 2 | 0.35 | < 0.5 | 9 | 135 | 31 | 2.85 | 10 | < 1 | 0.25 | 20 | 1.02 | 380 |
| 38999 | 208 | 294 | < 0.002 | < 0.2 | 0.93 | 25 | 210 | < 0.5 | < 2 | 0.21 | 0.5 | 5 | 147 | 10 | 1.69 | < 10 | 1 | 0.18 | 10 | 0.50 | 250 |
| 39000 | 208 | 294 | < 0.002 | < 0.2 | 1.87 | 50 | 330 | < 0.5 | < 2 | 0.40 | < 0.5 | 11 | 118 | 23 | 2.93 | 10 | < 1 | 0.26 | 20 | 1.08 | 480 |
| 39051 | 208 | 294 | < 0.002 | < 0.2 | 0.95 | 40 | 170 | < 0.5 | < 2 | 0.20 | < 0.5 | 6 | 178 | 15 | 1.70 | < 10 | < 1 | 0.15 | 10 | 0.56 | 230 |
| 39052 | 208 | 294 | < 0.002 | < 0.2 | 1.50 | 50 | 190 | < 0.5 | < 2 | 0.30 | < 0.5 | 8 | 114 | 28 | 2.31 | < 10 | < 1 | 0.14 | 10 | 0.94 | 325 |
| 39053 | 208 | 294 | < 0.002 | < 0.2 | 2.01 | 105 | 220 | < 0.5 | < 2 | 0.40 | < 0.5 | 12 | 88 | 38 | 3.05 | < 10 | < 1 | 0.13 | 10 | 1.27 | 465 |
| 39054 | 208 | 294 | < 0.002 | < 0.2 | 1.84 | 75 | 210 | < 0.5 | < 2 | 0.36 | < 0.5 | 9 | 96 | 36 | 2.77 | < 10 | < 1 | 0.18 | 10 | 1.21 | 370 |
| 39055 | 208 | 294 | < 0.002 | < 0.2 | 1.85 | 125 | 260 | < 0.5 | < 2 | 0.35 | < 0.5 | 9 | 63 | 23 | 3.09 | < 10 | < 1 | 0.15 | 20 | 1.06 | 330 |
| 39056 | 208 | 294 | < 0.002 | < 0.2 | 2.24 | 90 | 320 | < 0.5 | < 2 | 0.38 | < 0.5 | 10 | 87 | 29 | 3.48 | < 10 | < 1 | 0.17 | 20 | 1.24 | 365 |
| 39057 | 208 | 294 | < 0.002 | < 0.2 | 3.53 | 60 | 750 | < 0.5 | < 2 | 0.49 | 0.5 | 28 | 45 | 32 | 5.63 | < 10 | < 1 | 0.24 | 30 | 1.90 | 910 |
| 39058 | 208 | 294 | < 0.002 | 0.4 | 3.95 | 75 | 890 | < 0.5 | < 2 | 0.47 | < 0.5 | 28 | 56 | 36 | 5.54 | < 10 | < 1 | 0.28 | 30 | 1.79 | 975 |
| 39059 | 208 | 294 | < 0.002 | < 0.2 | 0.95 | 15 | 300 | < 0.5 | < 2 | 0.09 | < 0.5 | 5 | 110 | 7 | 1.19 | < 10 | < 1 | 0.34 | 40 | 0.32 | 215 |
| 39060 | 208 | 294 | < 0.002 | < 0.2 | 1.92 | 30 | 430 | < 0.5 | < 2 | 0.21 | < 0.5 | 10 | 108 | 15 | 2.66 | < 10 | 1 | 0.40 | 30 | 0.81 | 425 |
| 39061 | 208 | 294 | < 0.002 | < 0.2 | 1.82 | 15 | 390 | < 0.5 | < 2 | 0.26 | < 0.5 | 11 | 77 | 20 | 2.87 | < 10 | < 1 | 0.31 | 30 | 0.87 | 375 |
| 39062 | 208 | 294 | < 0.002 | < 0.2 | 1.56 | 50 | 310 | < 0.5 | < 2 | 0.31 | < 0.5 | 8 | 106 | 18 | 2.49 | < 10 | < 1 | 0.24 | 20 | 0.84 | 310 |
| 39063 | 208 | 294 | < 0.002 | < 0.2 | 1.19 | 50 | 210 | < 0.5 | < 2 | 0.24 | < 0.5 | 6 | 84 | 17 | 2.07 | < 10 | < 1 | 0.15 | 20 | 0.70 | 245 |
| 39064 | 208 | 294 | < 0.002 | < 0.2 | 1.33 | 85 | 230 | < 0.5 | < 2 | 0.26 | < 0.5 | 7 | 140 | 21 | 2.50 | < 10 | < 1 | 0.19 | 20 | 0.77 | 265 |
| 39065 | 208 | 294 | < 0.002 | < 0.2 | 1.30 | 50 | 280 | < 0.5 | < 2 | 0.25 | 0.5 | 7 | 104 | 19 | 2.28 | < 10 | < 1 | 0.20 | 20 | 0.82 | 235 |
| 39066 | 208 | 294 | < 0.002 | < 0.2 | 1.51 | 60 | 320 | < 0.5 | < 2 | 0.28 | < 0.5 | 8 | 120 | 24 | 2.80 | < 10 | < 1 | 0.26 | 20 | 0.86 | 280 |
| 39067 | 208 | 294 | < 0.002 | < 0.2 | 1.06 | 55 | 260 | < 0.5 | < 2 | 0.20 | < 0.5 | 7 | 184 | 18 | 2.22 | < 10 | < 1 | 0.21 | 10 | 0.63 | 245 |
| 39068 | 208 | 294 | < 0.002 | < 0.2 | 1.22 | 20 | 400 | < 0.5 | < 2 | 0.16 | < 0.5 | 8 | 86 | 15 | 2.13 | < 10 | < 1 | 0.33 | 30 | 0.60 | 260 |
| 39070 | 208 | 294 | < 0.002 | < 0.2 | 0.80 | 15 | 280 | < 0.5 | < 2 | 0.19 | < 0.5 | 6 | 168 | 17 | 1.74 | < 10 | < 1 | 0.30 | 20 | 0.46 | 225 |
| 39071 | 208 | 294 | < 0.002 | < 0.2 | 1.25 | 35 | 340 | < 0.5 | < 2 | 0.24 | < 0.5 | 7 | 107 | 20 | 2.34 | < 10 | < 1 | 0.32 | 30 | 0.72 | 290 |
| 39072 | 208 | 294 | < 0.002 | < 0.2 | 1.25 | 35 | 300 | 0.5 | < 2 | 0.25 | < 0.5 | 8 | 91 | 20 | 2.31 | < 10 | < 1 | 0.17 | 20 | 0.84 | 285 |
| 39073 | 208 | 294 | < 0.002 | < 0.2 | 1.29 | 40 | 360 | < 0.5 | < 2 | 0.23 | < 0.5 | 8 | 77 | 19 | 2.34 | < 10 | < 1 | 0.28 | 20 | 0.66 | 190 |
| 39074 | 208 | 294 | < 0.002 | < 0.2 | 0.94 | 10 | 370 | < 0.5 | < 2 | 0.15 | < 0.5 | 4 | 79 | 8 | 1.38 | < 10 | < 1 | 0.24 | 20 | 0.44 | 185 |
| 39075 | 208 | 294 | < 0.002 | < 0.2 | 0.49 | < 5 | 360 | 0.5 | < 2 | 0.06 | < 0.5 | 2 | 137 | 2 | 0.69 | < 10 | < 1 | 0.28 | 10 | 0.10 | 100 |
| 39076 | 208 | 294 | < 0.002 | < 0.2 | 0.67 | 5 | 440 | < 0.5 | < 2 | 0.07 | < 0.5 | 2 | 208 | 2 | 0.88 | < 10 | < 1 | 0.27 | 20 | 0.19 | 95 |
| 39077 | 208 | 294 | < 0.002 | < 0.2 | 0.80 | 10 | 790 | < 0.5 | < 2 | 0.04 | < 0.5 | 3 | 111 | 2 | 0.84 | < 10 | < 1 | 0.42 | 20 | 0.12 | 505 |
| 39078 | 208 | 294 | < 0.002 | < 0.2 | 0.46 | 5 | 580 | < 0.5 | < 2 | 0.02 | < 0.5 | 3 | 105 | 1 | 0.56 | < 10 | < 1 | 0.30 | 20 | 0.06 | 545 |
| 39079 | 208 | 294 | < 0.002 | < 0.2 | 1.10 | 45 | 310 | < 0.5 | < 2 | 0.17 | < 0.5 | 6 | 109 | 12 | 1.82 | < 10 | < 1 | 0.29 | 30 | 0.45 | 240 |
| 108101 | 208 | 294 | < 0.002 | < 0.2 | 0.85 | 5 | 340 | 0.5 | < 2 | 0.23 | < 0.5 | 7 | 125 | 13 | 1.70 | < 10 | < 1 | 0.45 | 30 | 0.58 | 440 |
| 108102 | 208 | 294 | < 0.002 | < 0.2 | 1.14 | < 5 | 460 | 0.5 | < 2 | 0.32 | < 0.5 | 9 | 94 | 16 | 2.08 | < 10 | < 1 | 0.59 | 30 | 0.72 | 400 |
| 108103 | 208 | 294 | < 0.002 | < 0.2 | 0.99 | < 5 | 340 | 0.5 | < 2 | 0.29 | 0.5 | 7 | 104 | 13 | 1.94 | < 10 | < 1 | 0.59 | 30 | 0.72 | 325 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221


To: ARBOR RESOURCES INC.

2321 BELLEVUE AVE.
WEST VANCOUVER, BC
V7V 1C9

Project : DAWSON
Comments:


Invoice Date: 5-SEP-90
Invoice No. : I-9021703
P.O. Number :

## CERTIFICATE OF ANALYSIS A9021703

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38992 | 208 | 294 | 1 | 0.02 | 13 | 690 | 18 | < 5 | 3 | 17 | 0.01 | < 10 | < 10 | 34 | < 10 | 102 |
| 38993 | 208 | 294 | 1 | 0.01 | 14 | 740 | 14 | 5 | 2 | 16 | < 0.01 | < 10 | < 10 | 37 | < 10 | 134 |
| 38994 | 208 | 294 | 1 | 0.01 | 12 | 1170 | 20 | < 5 | 2 | 18 | < 0.01 | < 10 | < 10 | 29 | < 10 | 96 |
| 38995 | 208 | 294 | 2 | 0.01 | 14 | 750 | 24 | 5 | 2 | 17 | < 0.01 | < 10 | < 10 | 32 | < 10 | 174 |
| 38996 | 208 | 294 | 1 | 0.01 | 16 | 720 | 22 | 5 | 2 | 19 | < 0.01 | < 10 | < 10 | 38 | < 10 | 162 |
| 38997 | 208 | 294 | 1 | 0.01 | 17 | 730 | 2 | 5 | 2 | 21 | < 0.01 | < 10 | < 10 | 36 | < 10 | 114 |
| 38998 | 208 | 294 | < 1 | 0.02 | 15 | 780 | 8 | < 5 | 3 | 22 | 0.01 | < 10 | < 10 | 37 | < 10 | 104 |
| 38999 | 208 | 294 | 1 | 0.01 | 9 | 480 | 16 | < 5 | 4 | 11 | 0.01 | < 10 | < 10 | 19 | < 10 | 54 |
| 39000 | 208 | 294 | 1 | 0.02 | 13 | 850 | 20 | 5 | 5 | 22 | 0.02 | < 10 | < 10 | 37 | < 10 | 86 |
| 39051 | 208 | 294 | 1 | 0.01 | 9 | 470 | 54 | < 5 | 2 | 11 | < 0.01 | < 10 | < 10 | 19 | < 10 | 66 |
| 39052 | 208 | 294 | 1 | 0.01 | 13 | 620 | 12 | < 5 | 2 | 19 | < 0.01 | < 10 | < 10 | 31 | < 10 | 106 |
| 39053 | 208 | 294 | 2 | 0.01 | 16 | 840 | 14 | 5 | 3 | 28 | < 0.01 | < 10 | < 10 | 41 | < 10 | 146 |
| 39054 | 208 | 294 | 1 | 0.01 | 15 | 810 | 16 | < 5 | 2 | 25 | < 0.01 | < 10 | < 10 | 37 | < 10 | 130 |
| 39055 | 208 | 294 | 2 | 0.01 | 8 | 810 | 6 | < 5 | 4 | 32 | < 0.01 | < 10 | < 10 | 40 | < 10 | 92 |
| 39056 | 208 | 294 | 2 | 0.01 | 16 | 880 | 12 | < 5 | 6 | 31 | 0.03 | < 10 | < 10 | 58 | < 10 | 112 |
| 39057 | 208 | 294 | 3 | 0.02 | 30 | 750 | 12 | 5 | 13 | 43 | 0.05 | < 10 | < 10 | 99 | < 10 | 126 |
| 39058 | 208 | 294 | 1 | 0.03 | 44 | 680 | 14 | 5 | 16 | 54 | 0.12 | < 10 | < 10 | 101 | < 10 | 186 |
| 39059 | 208 | 294 | < 1 | 0.02 | 7 | 160 | 16 | < 5 | 3 | 10 | 0.01 | < 10 | < 10 | 13 | < 10 | 32 |
| 39060 | 208 | 294 | 1 | 0.02 | 13 | 440 | 62 | < 5 | 8 | 19 | 0.06 | < 10 | < 10 | 35 | < 10 | 74 |
| 39061 | 208 | 294 | < 1 | 0.02 | 15 | 590 | 22 | < 5 | 8 | 21 | 0.04 | < 10 | < 10 | 35 | < 10 | 74 |
| 39062 | 208 | 294 | < 1 | 0.01 | 12 | 700 | 2 | < 5 | 4 | 20 | 0.02 | < 10 | < 10 | 35 | < 10 | 70 |
| 39063 | 208 | 294 | 1 | 0.01 | 9 | 610 | 10 | < 5 | 2 | 14 | < 0.01 | < 10 | < 10 | 27 | < 10 | 62 |
| 39064 | 208 | 294 | 1 | 0.01 | 10 | 710 | 8 | < 5 | 3 | 16 | < 0.01 | < 10 | < 10 | 33 | < 10 | 84 |
| 39065 | 208 | 294 | 1 | 0.01 | 9 | 670 | 10 | < 5 | 3 | 18 | < 0.01 | < 10 | < 10 | 27 | < 10 | 68 |
| 39066 | 208 | 294 | 1 | 0.02 | 10 | 740 | 4 | < 5 | 3 | 22 | < 0.01 | < 10 | < 10 | 29 | < 10 | 84 |
| 39067 | 208 | 294 | 1 | 0.01 | 10 | 540 | 4 | < 5 | 3 | 16 | < 0.01 | < 10 | < 10 | 22 | < 10 | 56 |
| 39068 | 208 | 294 | 1 | 0.02 | 11 | 480 | 16 | < 5 | 6 | 18 | 0.03 | < 10 | < 10 | 24 | < 10 | 120 |
| 39070 | 208 | 294 | 1 | 0.02 | 9 | 600 | 12 | < 5 | 4 | 16 | 0.01 | < 10 | < 10 | 15 | < 10 | 42 |
| 39071 | 208 | 294 | 1 | 0.02 | 11 | 640 | 22 | < 5 | 5 | 17 | 0.02 | < 10 | < 10 | 23 | < 10 | 64 |
| 39072 | 208 | 294 | 1 | 0.01 | 12 | 580 | 16 | < 5 | 3 | 15 | < 0.01 | < 10 | < 10 | 24 | < 10 | 74 |
| 39073 | 208 | 294 | 1 | 0.01 | 12 | 570 | 18 | < 5 | 3 | 14 | < 0.01 | < 10 | < 10 | 25 | < 10 | 102 |
| 39074 | 208 | 294 | < 1 | 0.01 | 9 | 250 | 12 | < 5 | 3 | 10 | < 0.01 | < 10 | < 10 | 8 | < 10 | 68 |
| 39075 | 208 | 294 | < 1 | 0.03 | 3 | 150 | 16 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | 3 | < 10 | 22 |
| 39076 | 208 | 294 | < 1 | 0.01 | 5 | 130 | 18 | < 5 | 2 | 6 | < 0.01 | < 10 | < 10 | 4 | < 10 | 36 |
| 39077 | 208 | 294 | 1 | 0.02 | 3 | 90 | 18 | < 5 | 2 | 5 | < 0.01 | < 10 | < 10 | 3 | < 10 | 28 |
| 39078 | 208 | 294 | 1 | 0.01 | 4 | 80 | 20 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 20 |
| 39079 | 208 | 294 | 1 | 0.02 | 9 | 390 | 10 | < 5 | 3 | 12 | 0.02 | < 10 | < 10 | 20 | < 10 | 54 |
| 108101 | 208 | 294 | < 1 | 0.02 | 10 | 570 | 30 | < 5 | 3 | 16 | 0.03 | < 10 | < 10 | 11 | < 10 | 46 |
| 108102 | 208 | 294 | < 1 | 0.02 | 10 | 710 | 18 | < 5 | 5 | 20 | 0.05 | < 10 | < 10 | 18 | < 10 | 54 |
| 108103 | 208 | 294 | 1 | 0.02 | 10 | 670 | 12 | < 5 | 3 | 18 | 0.06 | < 10 | < 10 | 16 | < 10 | 56 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

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To: ARBOR RESOURCES INC.
2321 BELLEVUE AVE.
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V7V 1C9

Project : DAWSON
Comments:

Page Number : 3-A
Total Pages : 3
Invoice Date: 5-SEP-90
Invoice No. : I-9021703
P.O. Number :

## CERTIFICATE OF ANALYSIS A9021703

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108104 | 208 | 294 | < 0.002 | < 0.2 | 1.82 | 5 | 590 | < 0.5 | < 2 | 0.37 | < 0.5 | 12 | 46 | 17 | 2.93 | < 10 | < 1 | 0.64 | 40 | 1.09 | 455 |
| 108105 | 208 | 294 | < 0.002 | < 0.2 | 0.59 | < 5 | 120 | < 0.5 | 2 | 0.19 | < 0.5 | 5 | 109 | 13 | 1.15 | < 10 | < 1 | 0.11 | 10 | 0.42 | 270 |
| 108106 | 208 | 294 | < 0.002 | < 0.2 | 1.71 | < 5 | 290 | 1.0 | < 2 | 0.36 | < 0.5 | 9 | 47 | < 1 | 3.24 | < 10 | < 1 | 0.58 | 30 | 1.22 | 480 |
| 108107 | 208 | 294 | < 0.002 | < 0.2 | 1.22 | < 5 | 310 | < 0.5 | < 2 | 0.49 | < 0.5 | 6 | 47 | 5 | 2.16 | < 10 | < 1 | 0.40 | 20 | 0.88 | 450 |
| 108108 | 208 | 294 | < 0.002 | < 0.2 | 0.37 | < 5 | 60 | < 0.5 | < 2 | 0.68 | < 0.5 | 2 | 126 | < 1 | 0.73 | < 10 | < 1 | 0.04 | < 10 | 0.29 | 265 |
| 108109 | 208 | 294 | < 0.002 | < 0.2 | 1.38 | < 5 | 330 | 0.5 | < 2 | 0.37 | < 0.5 | 7 | 72 | 6 | 2.27 | < 10 | < 1 | 0.31 | 20 | 0.87 | 480 |
| 108110 | 208 | 294 | < 0.002 | < 0.2 | 1.21 | < 5 | 240 | < 0.5 | < 2 | 0.31 | < 0.5 | 6 | 89 | 8 | 2.25 | < 10 | < 1 | 0.21 | 20 | 0.78 | 445 |
| 108111 | 208 | 294 | < 0.002 | < 0.2 | 1.31 | 5 | 310 | < 0.5 | < 2 | 0.29 | < 0.5 | 6 | 104 | 7 | 2.14 | < 10 | < 1 | 0.27 | 20 | 0.71 | 395 |
| 108112 | 208 | 294 | < 0.002 | < 0.2 | 1.10 | 5 | 250 | < 0.5 | < 2 | 0.27 | < 0.5 | 6 | 97 | 3 | 1.93 | < 10 | < 1 | 0.23 | 10 | 0.67 | 390 |
| 108113 | 208 | 294 | < 0.002 | < 0.2 | 1.34 | 5 | 280 | < 0.5 | < 2 | 0.33 | < 0.5 | 7 | 68 | 4 | 2.33 | < 10 | < 1 | 0.29 | 20 | 0.90 | 410 |
| 108114 | 208 | 294 | < 0.002 | < 0.2 | 1.65 | 5 | 340 | < 0.5 | < 2 | 0.36 | < 0.5 | 8 | 74 | 12 | 2.84 | < 10 | < 1 | 0.37 | 30 | 0.99 | 545 |
| 108115 | 208 | 294 | < 0.002 | < 0.2 | 1.57 | 20 | 350 | 0.5 | < 2 | 0.37 | < 0.5 | 8 | 65 | 11 | 2.69 | < 10 | < 1 | 0.44 | 20 | 0.94 | 480 |
| 108116 | 208 | 294 | < 0.002 | < 0.2 | 1.37 | 20 | 320 | < 0.5 | 2 | 0.37 | < 0.5 | 8 | 85 | 14 | 2.56 | < 10 | < 1 | 0.41 | 30 | 0.87 | 350 |
| 108117 | 208 | 294 | < 0.002 | < 0.2 | 1.20 | 15 | 330 | < 0.5 | < 2 | 0.31 | < 0.5 | 7 | 86 | 13 | 2.16 | < 10 | < 1 | 0.37 | 20 | 0.65 | 340 |
| 108118 | 208 | 294 | < 0.002 | < 0.2 | 1.50 | 10 | 340 | < 0.5 | 2 | 0.34 | < 0.5 | 9 | 76 | 13 | 3.10 | < 10 | < 1 | 0.37 | 30 | 0.64 | 560 |
| 108119 | 208 | 294 | < 0.002 | < 0.2 | 1.43 | 20 | 470 | < 0.5 | 2 | 0.38 | < 0.5 | 10 | 61 | 25 | 2.76 | < 10 | < 1 | 0.47 | 30 | 0.66 | 470 |
| 108120 | 208 | 294 | < 0.002 | < 0.2 | 1.05 | 10 | 400 | < 0.5 | < 2 | 0.32 | < 0.5 | 8 | 72 | 18 | 2.43 | < 10 | < 1 | 0.35 | 30 | 0.55 | 405 |
| 108121 | 208 | 294 | < 0.002 | < 0.2 | 1.00 | < 5 | 400 | < 0.5 | < 2 | 0.31 | < 0.5 | 8 | 73 | 11 | 2.33 | < 10 | < 1 | 0.32 | 30 | 0.51 | 535 |
| 108122 | 208 | 294 | < 0.002 | < 0.2 | 1.30 | 5 | 390 | < 0.5 | < 2 | 0.34 | < 0.5 | 9 | 68 | 13 | 2.47 | < 10 | < 1 | 0.39 | 30 | 0.66 | 430 |
| 108123 | 208 | 294 | < 0.002 | < 0.2 | 1.35 | 5 | 400 | < 0.5 | < 2 | 0.34 | < 0.5 | 9 | 67 | 20 | 2.79 | < 10 | < 1 | 0.45 | 30 | 0.61 | 525 |
| 108124 | 208 | 294 | < 0.002 | 0.4 | 1.35 | 15 | 410 | < 0.5 | 2 | 0.42 | < 0.5 | 8 | 84 | 24 | 2.30 | < 10 | < 1 | 0.41 | 30 | 0.62 | 480 |
| 108125 | 208 | 294 | < 0.002 | 0.4 | 1.18 | 20 | 400 | < 0.5 | 4 | 0.32 | < 0.5 | 8 | 66 | 23 | 2.25 | < 10 | < 1 | 0.36 | 20 | 0.57 | 425 |
| 108126 | 208 | 294 | < 0.002 | < 0.2 | 1.46 | 25 | 380 | < 0.5 | < 2 | 0.39 | < 0.5 | 10 | 66 | 23 | 3.00 | < 10 | < 1 | 0.40 | 30 | 0.68 | 500 |
| 108127 | 208 | 294 | < 0.002 | < 0.2 | 1.16 | 10 | 370 | < 0.5 | < 2 | 0.33 | < 0.5 | 8 | 72 | 17 | 2.24 | < 10 | < 1 | 0.37 | 20 | 0.48 | 475 |
| 108128 | 208 | 294 | < 0.002 | < 0.2 | 1.46 | 25 | 330 | < 0.5 | < 2 | 0.39 | < 0.5 | 10 | 61 | 18 | 2.65 | < 10 | < 1 | 0.29 | 20 | 0.63 | 450 |
| 108129 | 208 | 294 | < 0.002 | < 0.2 | 1.57 | 20 | 360 | < 0.5 | 2 | 0.46 | < 0.5 | 13 | 75 | 15 | 2.60 | < 10 | < 1 | 0.20 | 10 | 0.77 | 520 |
| 108130 | 208 | 294 | < 0.002 | < 0.2 | 0.56 | < 5 | 310 | < 0.5 | 4 | 0.08 | < 0.5 | 1 | 63 | 9 | 0.58 | < 10 | < 1 | 0.39 | 30 | 0.19 | 110 |
| 108131 | 208 | 294 | < 0.002 | < 0.2 | 0.73 | 5 | 330 | < 0.5 | 4 | 0.12 | < 0.5 | 4 | 71 | 6 | 1.13 | < 10 | < 1 | 0.39 | 30 | 0.33 | 255 |
| 108132 | 208 | 294 | 0.045 | 0.6 | 0.49 | < 5 | 340 | < 0.5 | 2 | 0.09 | < 0.5 | 2 | 107 | 5 | 0.68 | < 10 | < 1 | 0.35 | 30 | 0.16 | 130 |
| 108133 | 208 | 294 | 0.095 | < 0.2 | 0.34 | < 5 | 260 | < 0.5 | < 2 | 0.08 | < 0.5 | 1 | 133 | 4 | 0.52 | < 10 | < 1 | 0.24 | 20 | 0.11 | 170 |
| 108134 | 208 | 294 | 0.008 | < 0.2 | 1.08 | < 5 | 310 | < 0.5 | < 2 | 0.17 | 0.5 | 5 | 140 | 12 | 1.79 | < 10 | < 1 | 0.44 | 20 | 0.67 | 340 |
| 108135 | 208 | 294 | < 0.002 | < 0.2 | 1.34 | 10 | 310 | < 0.5 | < 2 | 0.19 | < 0.5 | 6 | 123 | 16 | 2.25 | < 10 | < 1 | 0.48 | 20 | 0.93 | 455 |
| 108136 | 208 | 294 | 0.004 | 0.6 | 1.01 | 10 | 280 | < 0.5 | < 2 | 0.21 | < 0.5 | 6 | 154 | 15 | 1.93 | < 10 | < 1 | 0.45 | 20 | 0.64 | 425 |
| 108137 | 208 | 294 | 0.006 | 0.6 | 0.97 | 10 | 310 | < 0.5 | < 2 | 0.16 | < 0.5 | 6 | 149 | 19 | 1.68 | < 10 | < 1 | 0.49 | 20 | 0.55 | 350 |
| 108138 | 208 | 294 | < 0.002 | < 0.2 | 1.25 | 10 | 320 | < 0.5 | 2 | 0.19 | < 0.5 | 7 | 109 | 17 | 2.06 | < 10 | < 1 | 0.59 | 20 | 0.80 | 495 |
| 108139 | 208 | 294 | < 0.002 | 1.0 | 0.80 | 10 | 290 | < 0.5 | < 2 | 0.25 | < 0.5 | 5 | 122 | 11 | 1.29 | < 10 | < 1 | 0.35 | 20 | 0.46 | 310 |
| 108140 | 208 | 294 | 0.006 | 1.6 | 0.36 | 5 | 130 | < 0.5 | 2 | 0.07 | < 0.5 | 4 | 161 | 16 | 0.89 | < 10 | < 1 | 0.13 | < 10 | 0.22 | 220 |
| 108141 | 208 | 294 | 0.016 | 1.2 | 1.72 | 30 | 310 | < 0.5 | < 2 | 0.34 | 0.5 | 13 | 37 | 19 | 3.90 | < 10 | < 1 | 0.50 | 30 | 1.18 | 745 |
| 108142 | 208 | 294 | 0.002 | < 0.2 | 0.59 | < 5 | 150 | < 0.5 | < 2 | 0.12 | < 0.5 | 3 | 186 | 6 | 1.26 | < 10 | < 1 | 0.20 | 10 | 0.45 | 620 |
| 108143 | 208 | 294 | 0.016 | 1.0 | 1.25 | 10 | 390 | < 0.5 | < 2 | 0.25 | < 0.5 | 9 | 93 | 44 | 2.66 | < 10 | < 1 | 0.56 | 30 | 0.89 | 1040 |

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Project : DAWSON
Comments:

Page [illegible]ber : 3-B
Total [illegible]es : 3
Invoice Date: 5-SEP-90
Invoice No. : I-9021703
P.O. Number :

## CERTIFICATE OF ANALYSIS A9021703

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108104 | 208 | 294 | < 1 | 0.02 | 11 | 780 | 10 | < 5 | 6 | 21 | 0.03 | < 10 | < 10 | 24 | < 10 | 84 |
| 108105 | 208 | 294 | < 1 | 0.01 | 5 | 420 | 24 | < 5 | 3 | 9 | 0.02 | < 10 | < 10 | 11 | < 10 | 30 |
| 108106 | 208 | 294 | < 1 | 0.01 | 14 | 510 | 6 | < 5 | 7 | 20 | 0.06 | < 10 | < 10 | 18 | < 10 | 98 |
| 108107 | 208 | 294 | < 1 | 0.02 | 10 | 590 | 10 | < 5 | 7 | 23 | 0.05 | < 10 | < 10 | 7 | < 10 | 58 |
| 108108 | 208 | 294 | < 1 | < 0.01 | 3 | 80 | 34 | < 5 | 1 | 33 | 0.01 | < 10 | < 10 | < 1 | < 10 | 18 |
| 108109 | 208 | 294 | < 1 | 0.02 | 10 | 580 | 22 | < 5 | 5 | 17 | 0.09 | < 10 | < 10 | 9 | < 10 | 68 |
| 108110 | 208 | 294 | < 1 | 0.01 | 10 | 530 | 28 | < 5 | 5 | 14 | 0.08 | < 10 | < 10 | 7 | < 10 | 68 |
| 108111 | 208 | 294 | < 1 | 0.02 | 10 | 490 | 24 | < 5 | 5 | 14 | 0.05 | < 10 | < 10 | 9 | < 10 | 62 |
| 108112 | 208 | 294 | < 1 | 0.01 | 11 | 540 | 22 | < 5 | 4 | 12 | 0.05 | < 10 | < 10 | 3 | < 10 | 54 |
| 108113 | 208 | 294 | < 1 | 0.02 | 11 | 620 | 24 | < 5 | 5 | 14 | 0.09 | < 10 | < 10 | 5 | < 10 | 66 |
| 108114 | 208 | 294 | < 1 | 0.01 | 14 | 680 | 18 | < 5 | 6 | 17 | 0.04 | < 10 | < 10 | 10 | < 10 | 80 |
| 108115 | 208 | 294 | < 1 | 0.01 | 14 | 750 | 4 | < 5 | 6 | 18 | 0.06 | < 10 | < 10 | 14 | < 10 | 70 |
| 108116 | 208 | 294 | < 1 | 0.02 | 13 | 730 | 16 | < 5 | 7 | 20 | 0.07 | < 10 | < 10 | 19 | < 10 | 72 |
| 108117 | 208 | 294 | < 1 | 0.02 | 11 | 680 | 12 | < 5 | 5 | 16 | 0.02 | < 10 | < 10 | 17 | < 10 | 58 |
| 108118 | 208 | 294 | < 1 | 0.02 | 13 | 940 | 16 | < 5 | 7 | 17 | 0.01 | < 10 | < 10 | 27 | < 10 | 94 |
| 108119 | 208 | 294 | < 1 | 0.01 | 16 | 960 | 10 | < 5 | 7 | 19 | 0.02 | < 10 | < 10 | 23 | < 10 | 80 |
| 108120 | 208 | 294 | < 1 | 0.02 | 13 | 780 | 10 | < 5 | 6 | 16 | 0.03 | < 10 | < 10 | 18 | < 10 | 68 |
| 108121 | 208 | 294 | < 1 | 0.03 | 11 | 780 | 20 | < 5 | 6 | 16 | 0.03 | < 10 | < 10 | 16 | < 10 | 64 |
| 108122 | 208 | 294 | < 1 | 0.01 | 14 | 820 | 16 | < 5 | 8 | 17 | 0.01 | < 10 | < 10 | 20 | < 10 | 68 |
| 108123 | 208 | 294 | < 1 | 0.02 | 14 | 850 | 20 | < 5 | 9 | 16 | 0.05 | < 10 | < 10 | 23 | < 10 | 70 |
| 108124 | 208 | 294 | < 1 | 0.02 | 14 | 1110 | 6 | < 5 | 6 | 27 | 0.05 | < 10 | < 10 | 20 | < 10 | 56 |
| 108125 | 208 | 294 | < 1 | 0.02 | 12 | 880 | 10 | < 5 | 4 | 18 | 0.01 | < 10 | < 10 | 15 | < 10 | 52 |
| 108126 | 208 | 294 | < 1 | 0.02 | 16 | 1000 | 8 | < 5 | 7 | 17 | 0.01 | < 10 | < 10 | 28 | < 10 | 80 |
| 108127 | 208 | 294 | < 1 | 0.01 | 13 | 830 | 14 | < 5 | 6 | 16 | 0.03 | < 10 | < 10 | 20 | < 10 | 58 |
| 108128 | 208 | 294 | < 1 | 0.02 | 18 | 790 | 14 | < 5 | 8 | 17 | 0.06 | < 10 | < 10 | 28 | < 10 | 64 |
| 108129 | 208 | 294 | < 1 | 0.02 | 18 | 650 | 2 | < 5 | 7 | 18 | 0.13 | < 10 | < 10 | 39 | < 10 | 48 |
| 108130 | 208 | 294 | < 1 | 0.01 | 2 | 270 | 10 | < 5 | 1 | 11 | < 0.01 | 10 | < 10 | 2 | < 10 | 22 |
| 108131 | 208 | 294 | < 1 | 0.02 | 3 | 360 | 24 | < 5 | 1 | 19 | < 0.01 | < 10 | < 10 | 3 | < 10 | 38 |
| 108132 | 208 | 294 | < 1 | 0.02 | 2 | 220 | 8 | < 5 | 1 | 10 | < 0.01 | < 10 | < 10 | 1 | < 10 | 20 |
| 108133 | 208 | 294 | < 1 | 0.01 | 2 | 90 | 8 | < 5 | 1 | 9 | < 0.01 | < 10 | < 10 | 1 | < 10 | 20 |
| 108134 | 208 | 294 | < 1 | 0.01 | 7 | 440 | 18 | < 5 | 3 | 17 | 0.02 | < 10 | < 10 | 8 | < 10 | 58 |
| 108135 | 208 | 294 | < 1 | 0.01 | 8 | 510 | 12 | < 5 | 3 | 18 | 0.02 | < 10 | < 10 | 11 | < 10 | 70 |
| 108136 | 208 | 294 | < 1 | 0.01 | 8 | 690 | 22 | < 5 | 3 | 26 | 0.02 | < 10 | < 10 | 7 | < 10 | 48 |
| 108137 | 208 | 294 | < 1 | 0.01 | 6 | 530 | 10 | < 5 | 2 | 20 | 0.01 | < 10 | < 10 | 6 | < 10 | 44 |
| 108138 | 208 | 294 | < 1 | 0.01 | 8 | 570 | 22 | < 5 | 4 | 20 | 0.04 | < 10 | < 10 | 10 | < 10 | 58 |
| 108139 | 208 | 294 | < 1 | 0.01 | 6 | 340 | 168 | < 5 | 2 | 16 | 0.01 | < 10 | < 10 | 6 | < 10 | 36 |
| 108140 | 208 | 294 | < 1 | < 0.01 | 6 | 230 | 258 | < 5 | < 1 | 8 | < 0.01 | < 10 | < 10 | 2 | < 10 | 22 |
| 108141 | 208 | 294 | 1 | 0.01 | 14 | 960 | 14 | < 5 | 6 | 51 | 0.01 | < 10 | < 10 | 12 | < 10 | 88 |
| 108142 | 208 | 294 | < 1 | 0.01 | 6 | 380 | 52 | < 5 | 2 | 17 | 0.01 | < 10 | < 10 | 5 | < 10 | 32 |
| 108143 | 208 | 294 | 1 | 0.01 | 11 | 780 | 34 | < 5 | 4 | 36 | 0.02 | < 10 | < 10 | 9 | < 10 | 72 |

CERTIFICATION: B. Caryl

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To: ARBOR RESOURCES INC.

2321 BELLEVUE AVE.
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V7V 1C9

A9021730

Comments:

## CERTIFICATE A9021730

ARBOR RESOURCES INC.

Project: DAWSON
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 5-SEP-90.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 208 | 94 | Assay ring to approx 150 mesh |
| 294 | 94 | Crush and split (0-10 pounds) |

* 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 |
|---|---|---|---|---|---|
| 398 | 94 | Au oz/T: 1/2 assay ton | FA-AAS | 0.002 | 20.00 |
| 922 | 94 | Ag ppm: 32 element, soil & rock | ICP-AES | 0.2 | 200 |
| 921 | 94 | Al %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 923 | 94 | As ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 924 | 94 | Ba ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 925 | 94 | Be ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 926 | 94 | Bi ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 927 | 94 | Ca %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 928 | 94 | Cd ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 929 | 94 | Co ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 930 | 94 | Cr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 931 | 94 | Cu ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 932 | 94 | Fe %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 933 | 94 | Ga ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 951 | 94 | Hg ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 934 | 94 | K %: 32 element, soil & rock | ICP-AES | 0.01 | 10.00 |
| 935 | 94 | La ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 936 | 94 | Mg %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 937 | 94 | Mn ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 938 | 94 | Mo ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 939 | 94 | Na %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 940 | 94 | Ni ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 941 | 94 | P ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 942 | 94 | Pb ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 943 | 94 | Sb ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 958 | 94 | Sc ppm: 32 elements, soil & rock | ICP-AES | 1 | 10000 |
| 944 | 94 | Sr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 945 | 94 | Ti %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 946 | 94 | Tl ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 947 | 94 | U ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 948 | 94 | V ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 949 | 94 | W ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 950 | 94 | Zn ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |

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Project : DAWSON
Comments:

Page Number : 1-A
Total Pages : 3
Invoice Date: 5-SEP-90
Invoice No. : I-9021730
P.O. Number :

## CERTIFICATE OF ANALYSIS A9021730

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108144 | 208 | 294 | 0.002 | < 0.2 | 0.18 | 5 | 70 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 176 | 6 | 0.58 | < 10 | < 1 | 0.05 | < 10 | 0.13 | 295 |
| 108145 | 208 | 294 | 0.006 | 0.6 | 1.23 | 10 | 330 | < 0.5 | < 2 | 0.23 | < 0.5 | 9 | 45 | 23 | 2.34 | 10 | < 1 | 0.52 | 30 | 0.88 | 555 |
| 108146 | 208 | 294 | 0.006 | < 0.2 | 0.10 | < 5 | 50 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 186 | 1 | 0.39 | < 10 | < 1 | 0.03 | < 10 | 0.05 | 115 |
| 108147 | 208 | 294 | 0.109 | 7.8 | 0.09 | < 5 | 50 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 131 | 1 | 0.35 | < 10 | < 1 | 0.04 | < 10 | 0.04 | 80 |
| 108148 | 208 | 294 | 0.064 | 0.8 | 0.89 | 5 | 330 | < 0.5 | < 2 | 0.16 | < 0.5 | 8 | 67 | 12 | 2.26 | 10 | < 1 | 0.42 | 20 | 0.61 | 480 |
| 108149 | 208 | 294 | 0.004 | < 0.2 | 0.49 | < 5 | 170 | < 0.5 | < 2 | 0.53 | < 0.5 | 3 | 123 | 3 | 0.94 | < 10 | < 1 | 0.20 | 10 | 0.36 | 285 |
| 108150 | 208 | 294 | 0.012 | 0.4 | 0.99 | 5 | 340 | < 0.5 | < 2 | 0.22 | < 0.5 | 6 | 103 | 21 | 1.74 | 10 | < 1 | 0.49 | 20 | 0.64 | 485 |
| 108151 | 208 | 294 | 0.656 | 10.6 | 0.10 | 5 | 60 | < 0.5 | 4 | 0.01 | < 0.5 | 1 | 231 | 1 | 0.71 | < 10 | < 1 | 0.04 | < 10 | 0.04 | 85 |
| 108152 | 208 | 294 | 0.437 | 37.0 | 0.10 | 15 | 60 | < 0.5 | 8 | 0.01 | < 0.5 | < 1 | 200 | 1 | 0.88 | < 10 | < 1 | 0.03 | < 10 | 0.05 | 80 |
| 108153 | 208 | 294 | 0.516 | 15.6 | 0.07 | 15 | 30 | < 0.5 | 8 | < 0.01 | < 0.5 | < 1 | 199 | 3 | 0.56 | < 10 | < 1 | 0.03 | < 10 | 0.03 | 60 |
| 108154 | 208 | 294 | 0.010 | 0.6 | 0.34 | 30 | 120 | < 0.5 | < 2 | 0.05 | < 0.5 | 2 | 196 | 3 | 0.82 | < 10 | < 1 | 0.12 | < 10 | 0.17 | 315 |
| 108155 | 208 | 294 | 0.050 | 2.8 | 0.12 | 10 | 50 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 182 | 2 | 0.55 | < 10 | < 1 | 0.06 | < 10 | 0.05 | 115 |
| 108156 | 208 | 294 | 0.326 | 4.4 | 0.22 | 5 | 110 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 134 | 1 | 0.64 | < 10 | < 1 | 0.12 | < 10 | 0.11 | 270 |
| 108157 | 208 | 294 | 0.092 | 2.0 | 0.21 | 5 | 100 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 179 | 1 | 0.52 | < 10 | < 1 | 0.12 | < 10 | 0.08 | 125 |
| 108158 | 208 | 294 | 0.002 | < 0.2 | 0.13 | < 5 | 50 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 178 | 1 | 0.39 | < 10 | < 1 | 0.05 | < 10 | 0.05 | 70 |
| 108159 | 208 | 294 | 0.008 | < 0.2 | 0.12 | 5 | 140 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 163 | 2 | 0.42 | < 10 | < 1 | 0.09 | < 10 | 0.01 | 45 |
| 108160 | 208 | 294 | 0.004 | 0.4 | 0.05 | < 5 | 40 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 194 | < 1 | 0.29 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 45 |
| 108161 | 208 | 294 | 0.014 | < 0.2 | 0.03 | < 5 | 30 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 231 | < 1 | 0.25 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 25 |
| 108162 | 208 | 294 | 0.048 | < 0.2 | 0.07 | < 5 | 90 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 195 | < 1 | 0.30 | < 10 | < 1 | 0.05 | < 10 | < 0.01 | 35 |
| 108163 | 208 | 294 | 0.002 | < 0.2 | 0.05 | < 5 | 270 | < 0.5 | < 2 | 0.12 | 0.5 | < 1 | 207 | 1 | 0.28 | < 10 | < 1 | 0.02 | < 10 | < 0.01 | 60 |
| 108164 | 208 | 294 | 0.226 | 1.0 | 0.08 | < 5 | 100 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 241 | < 1 | 0.31 | < 10 | < 1 | 0.03 | < 10 | < 0.01 | 45 |
| 108165 | 208 | 294 | 0.012 | 0.4 | 1.23 | 5 | 380 | < 0.5 | < 2 | 0.28 | < 0.5 | 11 | 79 | 14 | 2.48 | < 10 | < 1 | 0.50 | 30 | 0.81 | 790 |
| 108166 | 208 | 294 | 0.002 | < 0.2 | 0.30 | < 5 | 190 | < 0.5 | < 2 | 0.05 | < 0.5 | 1 | 203 | 2 | 0.67 | < 10 | < 1 | 0.09 | < 10 | 0.14 | 215 |
| 108167 | 208 | 294 | < 0.002 | < 0.2 | 0.48 | < 5 | 1030 | < 0.5 | < 2 | 0.05 | < 0.5 | 1 | 59 | 2 | 0.56 | < 10 | < 1 | 0.32 | 20 | 0.06 | 120 |
| 108168 | 208 | 294 | 0.002 | < 0.2 | 0.41 | < 5 | 850 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 43 | 1 | 0.50 | < 10 | < 1 | 0.30 | < 10 | 0.05 | 85 |
| 108169 | 208 | 294 | 0.002 | < 0.2 | 0.53 | < 5 | 790 | 0.5 | < 2 | 0.03 | < 0.5 | 1 | 46 | 1 | 0.52 | < 10 | < 1 | 0.39 | 20 | 0.06 | 95 |
| 108170 | 208 | 294 | < 0.002 | < 0.2 | 0.42 | < 5 | 570 | < 0.5 | < 2 | 0.04 | < 0.5 | 1 | 44 | 2 | 0.72 | < 10 | < 1 | 0.31 | < 10 | 0.06 | 100 |
| 108171 | 208 | 294 | 0.024 | 0.4 | 0.36 | 5 | 1470 | < 0.5 | 2 | 0.02 | < 0.5 | 1 | 73 | 1 | 0.73 | < 10 | < 1 | 0.36 | < 10 | 0.03 | 70 |
| 108172 | 208 | 294 | 0.006 | 0.4 | 0.49 | 5 | 470 | < 0.5 | < 2 | 0.04 | < 0.5 | 1 | 35 | 2 | 0.57 | < 10 | < 1 | 0.34 | 20 | 0.05 | 145 |
| 108173 | 208 | 294 | 0.004 | < 0.2 | 0.61 | 10 | 590 | 0.5 | < 2 | 0.07 | < 0.5 | < 1 | 42 | 3 | 0.62 | < 10 | < 1 | 0.34 | 30 | 0.06 | 205 |
| 108174 | 208 | 294 | 0.004 | 0.8 | 0.66 | 10 | 560 | < 0.5 | < 2 | 0.05 | < 0.5 | 1 | 45 | 5 | 0.70 | < 10 | < 1 | 0.37 | 20 | 0.05 | 145 |
| 108175 | 208 | 294 | 0.002 | 0.4 | 0.60 | 10 | 470 | 0.5 | < 2 | 0.08 | < 0.5 | 2 | 47 | 5 | 0.84 | < 10 | < 1 | 0.35 | < 10 | 0.13 | 140 |
| 108176 | 208 | 294 | < 0.002 | < 0.2 | 0.47 | < 5 | 530 | < 0.5 | < 2 | 0.06 | < 0.5 | < 1 | 47 | 3 | 0.50 | < 10 | < 1 | 0.38 | < 10 | 0.02 | 85 |
| 108177 | 208 | 294 | 0.002 | < 0.2 | 0.45 | < 5 | 450 | < 0.5 | < 2 | 0.06 | < 0.5 | < 1 | 48 | 3 | 0.47 | < 10 | < 1 | 0.33 | 20 | 0.02 | 85 |
| 108178 | 208 | 294 | < 0.002 | < 0.2 | 0.50 | 5 | 550 | < 0.5 | < 2 | 0.05 | < 0.5 | < 1 | 46 | 3 | 0.49 | < 10 | < 1 | 0.35 | < 10 | 0.02 | 75 |
| 108179 | 208 | 294 | 0.002 | < 0.2 | 0.40 | 5 | 410 | < 0.5 | < 2 | 0.05 | < 0.5 | 1 | 64 | 2 | 0.46 | < 10 | < 1 | 0.32 | < 10 | 0.02 | 55 |
| 108180 | 208 | 294 | 0.004 | < 0.2 | 0.52 | < 5 | 440 | 0.5 | < 2 | 0.11 | < 0.5 | 1 | 66 | 3 | 0.60 | < 10 | < 1 | 0.31 | < 10 | 0.07 | 90 |
| 108181 | 208 | 294 | 0.004 | < 0.2 | 0.39 | 5 | 360 | < 0.5 | 2 | 0.02 | < 0.5 | < 1 | 97 | 2 | 0.49 | < 10 | < 1 | 0.36 | < 10 | 0.02 | 85 |
| 108182 | 208 | 294 | 0.004 | < 0.2 | 0.36 | 5 | 330 | < 0.5 | < 2 | 0.02 | < 0.5 | 1 | 85 | 2 | 0.44 | < 10 | < 1 | 0.35 | 20 | 0.02 | 95 |
| 108183 | 208 | 294 | < 0.002 | < 0.2 | 0.35 | < 5 | 350 | < 0.5 | < 2 | 0.03 | 0.5 | 1 | 85 | 3 | 0.46 | < 10 | < 1 | 0.32 | < 10 | 0.02 | 105 |

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Project : DAWSON
Comments:


Invoice Date: 5-SEP-90
Invoice No. : I-9021730
P.O. Number :

## CERTIFICATE OF ANALYSIS A9021730

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108144 | 208 | 294 | < 1 | < 0.01 | 4 | 70 | 18 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | 2 | < 10 | 14 |
| 108145 | 208 | 294 | < 1 | 0.01 | 11 | 660 | 10 | < 5 | 3 | 22 | 0.02 | < 10 | < 10 | 8 | < 10 | 62 |
| 108146 | 208 | 294 | < 1 | < 0.01 | 4 | 40 | 2 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 18 |
| 108147 | 208 | 294 | < 1 | < 0.01 | 3 | 10 | 6 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 26 |
| 108148 | 208 | 294 | < 1 | 0.01 | 10 | 410 | 10 | < 5 | 3 | 27 | 0.01 | < 10 | < 10 | 5 | < 10 | 56 |
| 108149 | 208 | 294 | < 1 | 0.01 | 5 | 240 | 4 | < 5 | 1 | 31 | < 0.01 | < 10 | < 10 | 3 | < 10 | 24 |
| 108150 | 208 | 294 | < 1 | 0.01 | 8 | 460 | 2 | < 5 | 3 | 22 | 0.01 | < 10 | < 10 | 5 | < 10 | 68 |
| 108151 | 208 | 294 | 1 | < 0.01 | 3 | 20 | 1090 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 46 |
| 108152 | 208 | 294 | 1 | < 0.01 | 2 | 40 | 1590 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 46 |
| 108153 | 208 | 294 | 1 | < 0.01 | 2 | 20 | 1615 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 74 |
| 108154 | 208 | 294 | 1 | 0.01 | 4 | 150 | 90 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 22 |
| 108155 | 208 | 294 | 1 | < 0.01 | 4 | 20 | 248 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 30 |
| 108156 | 208 | 294 | < 1 | < 0.01 | 3 | 30 | 28 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 24 |
| 108157 | 208 | 294 | 1 | 0.01 | 3 | 40 | 118 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 22 |
| 108158 | 208 | 294 | < 1 | 0.01 | 2 | 40 | 10 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 10 |
| 108159 | 208 | 294 | < 1 | 0.01 | 2 | 20 | 148 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 20 |
| 108160 | 208 | 294 | < 1 | 0.01 | 2 | 10 | 20 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 6 |
| 108161 | 208 | 294 | < 1 | < 0.01 | 2 | < 10 | 2 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 2 |
| 108162 | 208 | 294 | < 1 | < 0.01 | 1 | 10 | 12 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 12 |
| 108163 | 208 | 294 | < 1 | < 0.01 | 2 | 10 | 10 | < 5 | < 1 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 48 |
| 108164 | 208 | 294 | < 1 | < 0.01 | 3 | 10 | 14 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 6 |
| 108165 | 208 | 294 | < 1 | 0.01 | 12 | 680 | 6 | < 5 | 3 | 46 | 0.02 | < 10 | < 10 | 9 | < 10 | 62 |
| 108166 | 208 | 294 | < 1 | < 0.01 | 3 | 150 | 8 | < 5 | 1 | 6 | < 0.01 | < 10 | 10 | 2 | < 10 | 16 |
| 108167 | 208 | 294 | < 1 | 0.02 | 1 | 60 | 14 | < 5 | 2 | 16 | < 0.01 | < 10 | < 10 | 1 | < 10 | 20 |
| 108168 | 208 | 294 | < 1 | 0.02 | 1 | 50 | 12 | < 5 | 2 | 11 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 18 |
| 108169 | 208 | 294 | 1 | 0.02 | 1 | 60 | 12 | < 5 | 3 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 24 |
| 108170 | 208 | 294 | < 1 | 0.02 | 1 | 50 | 14 | < 5 | 3 | 7 | < 0.01 | < 10 | < 10 | 1 | < 10 | 38 |
| 108171 | 208 | 294 | < 1 | 0.01 | 1 | 40 | 30 | < 5 | 1 | 10 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 66 |
| 108172 | 208 | 294 | < 1 | 0.01 | < 1 | 70 | 22 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 42 |
| 108173 | 208 | 294 | < 1 | 0.01 | 2 | 70 | 26 | < 5 | 2 | 9 | < 0.01 | < 10 | < 10 | 1 | < 10 | 52 |
| 108174 | 208 | 294 | < 1 | 0.02 | 1 | 80 | 20 | < 5 | 3 | 9 | < 0.01 | < 10 | < 10 | 1 | < 10 | 48 |
| 108175 | 208 | 294 | < 1 | 0.02 | 2 | 130 | 12 | < 5 | 3 | 9 | < 0.01 | < 10 | < 10 | 5 | < 10 | 44 |
| 108176 | 208 | 294 | < 1 | 0.02 | < 1 | 50 | 16 | < 5 | 3 | 11 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 34 |
| 108177 | 208 | 294 | < 1 | 0.02 | < 1 | 60 | 22 | < 5 | 2 | 8 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 36 |
| 108178 | 208 | 294 | < 1 | 0.02 | < 1 | 50 | 18 | < 5 | 2 | 10 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 40 |
| 108179 | 208 | 294 | < 1 | 0.02 | < 1 | 60 | 16 | < 5 | 2 | 9 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 36 |
| 108180 | 208 | 294 | < 1 | 0.02 | 3 | 80 | 16 | < 5 | 2 | 16 | < 0.01 | < 10 | < 10 | 3 | < 10 | 44 |
| 108181 | 208 | 294 | < 1 | 0.02 | 1 | 60 | 18 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 26 |
| 108182 | 208 | 294 | < 1 | 0.03 | 2 | 60 | 44 | < 5 | 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 26 |
| 108183 | 208 | 294 | < 1 | 0.02 | 3 | 60 | 22 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 36 |

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Project : DAWSON
Comments:

Page [redacted]er : 2-A
Total Pages : 3
Invoice Date: 5-SEP-90
Invoice No. : I-9021730
P.O. Number :

## CERTIFICATE OF ANALYSIS A9021730

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108184 | 208 | 294 | < 0.002 | < 0.2 | 0.38 | 5 | 340 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 122 | 3 | 0.49 | < 10 | < 1 | 0.34 | 30 | 0.02 | 125 |
| 108185 | 208 | 294 | < 0.002 | < 0.2 | 0.47 | 10 | 530 | < 0.5 | 2 | 0.03 | < 0.5 | 1 | 157 | 3 | 0.64 | < 10 | < 1 | 0.37 | 40 | 0.03 | 155 |
| 108186 | 208 | 294 | < 0.002 | < 0.2 | 0.45 | 5 | 600 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 176 | 3 | 0.74 | < 10 | < 1 | 0.39 | 30 | 0.03 | 95 |
| 108187 | 208 | 294 | 0.024 | < 0.2 | 0.43 | 10 | 990 | < 0.5 | < 2 | 0.04 | 0.5 | 1 | 117 | 2 | 0.76 | < 10 | < 1 | 0.42 | 30 | 0.03 | 125 |
| 108188 | 208 | 294 | 0.002 | < 0.2 | 0.45 | < 5 | 610 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 103 | 3 | 0.44 | < 10 | < 1 | 0.35 | 30 | 0.03 | 80 |
| 108189 | 208 | 294 | 0.038 | < 0.2 | 0.38 | < 5 | 520 | < 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 123 | 3 | 0.47 | < 10 | < 1 | 0.28 | 30 | 0.02 | 100 |
| 108190 | 208 | 294 | 8.290 | 54.8 | 0.37 | 15 | 460 | < 0.5 | < 2 | 0.02 | < 0.5 | 1 | 145 | 3 | 0.60 | < 10 | 1 | 0.24 | 30 | 0.02 | 110 |
| 108191 | 208 | 294 | < 0.002 | < 0.2 | 0.36 | 10 | 580 | < 0.5 | < 2 | 0.02 | < 0.5 | 2 | 102 | 2 | 0.87 | < 10 | < 1 | 0.29 | 30 | 0.03 | 135 |
| 108192 | 208 | 294 | 0.008 | < 0.2 | 0.43 | 10 | 480 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 154 | 2 | 0.92 | < 10 | < 1 | 0.34 | 30 | 0.05 | 110 |
| 108193 | 208 | 294 | 0.002 | < 0.2 | 0.37 | 10 | 310 | < 0.5 | < 2 | 0.02 | < 0.5 | 1 | 177 | 1 | 0.79 | < 10 | < 1 | 0.27 | 40 | 0.03 | 105 |
| 108194 | 208 | 294 | < 0.002 | < 0.2 | 0.50 | 5 | 440 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 139 | 2 | 0.65 | < 10 | < 1 | 0.36 | 40 | 0.04 | 145 |
| 108195 | 208 | 294 | 0.178 | < 0.2 | 0.48 | 5 | 510 | < 0.5 | < 2 | 0.04 | < 0.5 | 1 | 134 | 1 | 0.59 | < 10 | < 1 | 0.36 | 30 | 0.03 | 120 |
| 108196 | 208 | 294 | 0.002 | < 0.2 | 0.43 | < 5 | 550 | < 0.5 | < 2 | 0.06 | < 0.5 | 1 | 119 | 2 | 0.52 | < 10 | < 1 | 0.37 | 30 | 0.03 | 105 |
| 108197 | 208 | 294 | < 0.002 | < 0.2 | 0.49 | < 5 | 440 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 127 | 3 | 0.51 | < 10 | < 1 | 0.36 | 40 | 0.04 | 65 |
| 108198 | 208 | 294 | 0.004 | < 0.2 | 0.47 | 5 | 530 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 98 | 2 | 0.63 | < 10 | < 1 | 0.47 | 40 | 0.02 | 165 |
| 108199 | 208 | 294 | < 0.002 | < 0.2 | 0.46 | 10 | 590 | 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 100 | 1 | 0.55 | < 10 | < 1 | 0.31 | 30 | 0.02 | 85 |
| 108200 | 208 | 294 | < 0.002 | < 0.2 | 0.45 | < 5 | 750 | < 0.5 | < 2 | 0.10 | < 0.5 | < 1 | 92 | 1 | 0.51 | < 10 | < 1 | 0.28 | 30 | 0.02 | 100 |
| 108213 | 208 | 294 | < 0.002 | < 0.2 | 1.63 | 5 | 270 | < 0.5 | < 2 | 0.21 | 0.5 | 13 | 168 | 28 | 2.68 | < 10 | < 1 | 0.20 | 10 | 1.28 | 580 |
| 108214 | 208 | 294 | < 0.002 | < 0.2 | 0.29 | 5 | 180 | < 0.5 | < 2 | 0.04 | < 0.5 | 4 | 240 | 8 | 0.96 | < 10 | < 1 | 0.03 | < 10 | 0.13 | 820 |
| 108215 | 208 | 294 | < 0.002 | < 0.2 | 1.26 | < 5 | 170 | < 0.5 | < 2 | 0.18 | 0.5 | 8 | 217 | 21 | 2.60 | < 10 | < 1 | 0.15 | < 10 | 1.05 | 435 |
| 108218 | 208 | 294 | < 0.002 | < 0.2 | 1.82 | 20 | 260 | < 0.5 | < 2 | 0.20 | 0.5 | 11 | 159 | 41 | 3.40 | < 10 | < 1 | 0.29 | 10 | 1.50 | 595 |
| 108219 | 208 | 294 | < 0.002 | 0.6 | 2.11 | 15 | 330 | < 0.5 | < 2 | 0.24 | 1.0 | 13 | 152 | 59 | 4.28 | < 10 | < 1 | 0.34 | 10 | 1.68 | 685 |
| 108220 | 208 | 294 | < 0.002 | < 0.2 | 0.41 | < 5 | 100 | < 0.5 | < 2 | 0.04 | < 0.5 | 4 | 351 | 10 | 1.05 | < 10 | < 1 | 0.05 | < 10 | 0.28 | 355 |
| 108221 | 208 | 294 | < 0.002 | < 0.2 | 1.84 | 5 | 280 | < 0.5 | < 2 | 0.19 | 0.5 | 14 | 198 | 34 | 2.98 | < 10 | < 1 | 0.25 | 10 | 1.59 | 930 |
| 108222 | 208 | 294 | < 0.002 | < 0.2 | 2.50 | 10 | 360 | < 0.5 | < 2 | 0.27 | 1.0 | 22 | 187 | 42 | 3.61 | < 10 | < 1 | 0.36 | 10 | 2.32 | 1305 |
| 108223 | 208 | 294 | < 0.002 | < 0.2 | 2.09 | 5 | 230 | < 0.5 | < 2 | 0.24 | 0.5 | 13 | 146 | 27 | 3.12 | < 10 | < 1 | 0.29 | 10 | 2.02 | 735 |
| 108224 | 208 | 294 | < 0.002 | < 0.2 | 1.88 | 30 | 300 | < 0.5 | < 2 | 0.23 | < 0.5 | 13 | 216 | 32 | 2.70 | < 10 | < 1 | 0.32 | < 10 | 1.69 | 785 |
| 108225 | 208 | 294 | < 0.002 | < 0.2 | 0.44 | 5 | 130 | < 0.5 | < 2 | 0.08 | < 0.5 | 5 | 282 | 7 | 0.93 | < 10 | < 1 | 0.07 | < 10 | 0.32 | 415 |
| 108226 | 208 | 294 | < 0.002 | < 0.2 | 1.30 | 20 | 370 | < 0.5 | < 2 | 0.24 | < 0.5 | 10 | 142 | 15 | 2.51 | < 10 | < 1 | 0.42 | 20 | 0.87 | 450 |
| 108227 | 208 | 294 | < 0.002 | < 0.2 | 1.13 | 15 | 350 | < 0.5 | < 2 | 0.23 | < 0.5 | 8 | 131 | 16 | 2.12 | < 10 | < 1 | 0.37 | 20 | 0.76 | 380 |
| 108228 | 208 | 294 | < 0.002 | < 0.2 | 1.16 | 15 | 420 | < 0.5 | < 2 | 0.25 | < 0.5 | 7 | 168 | 11 | 2.16 | < 10 | < 1 | 0.34 | 20 | 0.73 | 360 |
| 108229 | 208 | 294 | < 0.002 | < 0.2 | 1.43 | 20 | 340 | < 0.5 | < 2 | 0.31 | < 0.5 | 10 | 124 | 19 | 2.70 | < 10 | < 1 | 0.60 | 20 | 1.03 | 440 |
| 108230 | 208 | 294 | < 0.002 | < 0.2 | 1.41 | 15 | 370 | < 0.5 | < 2 | 0.27 | < 0.5 | 9 | 119 | 17 | 2.50 | < 10 | < 1 | 0.52 | 30 | 0.97 | 425 |
| 108231 | 208 | 294 | < 0.002 | < 0.2 | 1.63 | 25 | 380 | < 0.5 | < 2 | 0.30 | < 0.5 | 9 | 119 | 15 | 2.91 | < 10 | < 1 | 0.51 | 30 | 1.10 | 530 |
| 108232 | 208 | 294 | < 0.002 | < 0.2 | 1.28 | 20 | 410 | < 0.5 | < 2 | 0.27 | < 0.5 | 8 | 152 | 17 | 2.36 | < 10 | < 1 | 0.43 | 30 | 0.64 | 450 |
| 108233 | 208 | 294 | < 0.002 | < 0.2 | 0.92 | 10 | 380 | < 0.5 | < 2 | 0.19 | < 0.5 | 5 | 92 | 9 | 1.73 | < 10 | < 1 | 0.36 | 30 | 0.43 | 265 |
| 108234 | 208 | 294 | < 0.002 | < 0.2 | 0.74 | 10 | 490 | < 0.5 | < 2 | 0.12 | 0.5 | 3 | 144 | 8 | 1.28 | < 10 | < 1 | 0.38 | 30 | 0.23 | 180 |
| 108235 | 208 | 294 | < 0.002 | < 0.2 | 0.96 | 5 | 380 | < 0.5 | < 2 | 0.16 | < 0.5 | 5 | 150 | 10 | 1.70 | < 10 | < 1 | 0.38 | 30 | 0.43 | 290 |
| 108236 | 208 | 294 | < 0.002 | < 0.2 | 1.58 | 15 | 520 | < 0.5 | < 2 | 0.26 | < 0.5 | 8 | 128 | 19 | 2.46 | < 10 | < 1 | 0.65 | 30 | 0.79 | 480 |
| 108237 | 208 | 294 | < 0.002 | < 0.2 | 0.69 | 5 | 290 | < 0.5 | < 2 | 0.10 | 0.5 | 3 | 124 | 6 | 0.96 | < 10 | < 1 | 0.35 | 30 | 0.28 | 230 |

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Project : DAWSON
Comments:

Page [redacted]er : 2-B
Total Pages : 3
Invoice Date: 5-SEP-90
Invoice No. : I-9021730
P.O. Number :

## CERTIFICATE OF ANALYSIS A9021730

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108184 | 208 | 294 | < 1 | 0.03 | 2 | 50 | 28 | < 5 | 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 38 |
| 108185 | 208 | 294 | < 1 | 0.02 | 3 | 80 | 38 | < 5 | 2 | 6 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 48 |
| 108186 | 208 | 294 | < 1 | 0.02 | 2 | 70 | 26 | < 5 | 2 | 6 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 40 |
| 108187 | 208 | 294 | < 1 | 0.01 | 2 | 80 | 20 | < 5 | 2 | 10 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 44 |
| 108188 | 208 | 294 | < 1 | 0.02 | 2 | 60 | 28 | < 5 | 2 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 64 |
| 108189 | 208 | 294 | < 1 | 0.02 | 2 | 50 | 22 | < 5 | 1 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 34 |
| 108190 | 208 | 294 | < 1 | 0.03 | 4 | 60 | 20 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 46 |
| 108191 | 208 | 294 | < 1 | 0.02 | 2 | 90 | 16 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 36 |
| 108192 | 208 | 294 | < 1 | 0.02 | 2 | 100 | 20 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 32 |
| 108193 | 208 | 294 | 1 | 0.02 | 2 | 90 | 30 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 24 |
| 108194 | 208 | 294 | < 1 | 0.02 | 3 | 90 | 26 | < 5 | 2 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 32 |
| 108195 | 208 | 294 | < 1 | 0.02 | 2 | 80 | 22 | < 5 | 2 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 30 |
| 108196 | 208 | 294 | < 1 | 0.02 | 2 | 80 | 16 | < 5 | 2 | 9 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 24 |
| 108197 | 208 | 294 | < 1 | 0.02 | 2 | 80 | 16 | < 5 | 2 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 32 |
| 108198 | 208 | 294 | < 1 | 0.02 | 1 | 100 | 28 | < 5 | 2 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 32 |
| 108199 | 208 | 294 | < 1 | 0.02 | 1 | 90 | 20 | < 5 | 2 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 26 |
| 108200 | 208 | 294 | < 1 | 0.02 | 2 | 80 | 20 | < 5 | 2 | 14 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 28 |
| 108213 | 208 | 294 | 2 | 0.01 | 29 | 760 | 18 | < 5 | 2 | 12 | < 0.01 | < 10 | < 10 | 14 | < 10 | 90 |
| 108214 | 208 | 294 | 1 | < 0.01 | 9 | 90 | 14 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 22 |
| 108215 | 208 | 294 | 2 | 0.01 | 15 | 520 | 50 | < 5 | 2 | 16 | < 0.01 | < 10 | < 10 | 8 | < 10 | 92 |
| 108218 | 208 | 294 | 2 | 0.01 | 21 | 790 | 24 | < 5 | 2 | 27 | < 0.01 | < 10 | < 10 | 20 | < 10 | 158 |
| 108219 | 208 | 294 | 2 | 0.01 | 21 | 880 | 20 | 5 | 3 | 56 | < 0.01 | < 10 | < 10 | 27 | < 10 | 142 |
| 108220 | 208 | 294 | < 1 | < 0.01 | 9 | 110 | 6 | < 5 | < 1 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 26 |
| 108221 | 208 | 294 | 1 | 0.01 | 22 | 640 | 54 | < 5 | 3 | 28 | 0.01 | < 10 | < 10 | 19 | < 10 | 124 |
| 108222 | 208 | 294 | 1 | 0.01 | 31 | 870 | 10 | 5 | 4 | 19 | 0.01 | < 10 | < 10 | 29 | < 10 | 146 |
| 108223 | 208 | 294 | < 1 | 0.01 | 20 | 690 | 24 | < 5 | 3 | 17 | < 0.01 | < 10 | < 10 | 23 | < 10 | 94 |
| 108224 | 208 | 294 | < 1 | 0.01 | 21 | 600 | 20 | 10 | 3 | 16 | 0.01 | < 10 | < 10 | 22 | < 10 | 100 |
| 108225 | 208 | 294 | < 1 | < 0.01 | 13 | 200 | 10 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | 1 | < 10 | 22 |
| 108226 | 208 | 294 | < 1 | 0.04 | 18 | 630 | 10 | < 5 | 7 | 19 | 0.06 | < 10 | < 10 | 16 | < 10 | 68 |
| 108227 | 208 | 294 | < 1 | 0.02 | 15 | 590 | 14 | < 5 | 6 | 17 | 0.03 | < 10 | < 10 | 10 | < 10 | 58 |
| 108228 | 208 | 294 | < 1 | 0.02 | 12 | 630 | 14 | < 5 | 6 | 17 | 0.02 | < 10 | < 10 | 13 | < 10 | 54 |
| 108229 | 208 | 294 | 1 | 0.02 | 14 | 730 | 14 | < 5 | 8 | 22 | 0.05 | < 10 | < 10 | 15 | < 10 | 72 |
| 108230 | 208 | 294 | 1 | 0.02 | 11 | 630 | 22 | < 5 | 7 | 21 | 0.03 | < 10 | < 10 | 19 | < 10 | 66 |
| 108231 | 208 | 294 | < 1 | 0.02 | 13 | 680 | 16 | < 5 | 7 | 27 | 0.03 | < 10 | < 10 | 22 | < 10 | 82 |
| 108232 | 208 | 294 | < 1 | 0.01 | 13 | 680 | 18 | < 5 | 5 | 21 | < 0.01 | < 10 | < 10 | 12 | < 10 | 62 |
| 108233 | 208 | 294 | < 1 | 0.01 | 7 | 490 | 16 | < 5 | 3 | 17 | < 0.01 | < 10 | < 10 | 6 | < 10 | 50 |
| 108234 | 208 | 294 | < 1 | 0.03 | 6 | 360 | 18 | < 5 | 2 | 10 | < 0.01 | < 10 | < 10 | 4 | < 10 | 32 |
| 108235 | 208 | 294 | < 1 | 0.02 | 6 | 450 | 26 | < 5 | 3 | 14 | 0.01 | < 10 | < 10 | 7 | < 10 | 46 |
| 108236 | 208 | 294 | < 1 | 0.02 | 11 | 700 | 20 | < 5 | 5 | 21 | 0.02 | < 10 | < 10 | 13 | < 10 | 82 |
| 108237 | 208 | 294 | < 1 | 0.01 | 3 | 280 | 50 | < 5 | 2 | 16 | < 0.01 | < 10 | < 10 | 3 | < 10 | 36 |

CERTIFICATION: B. Caplette

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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[redacted]: ARBOR RESOURCES INC.

2321 BELLEVUE AVE.
WEST VANCOUVER, BC
V7V 1C9

Project : DAWSON
Comments:


Invoice Date: 5-SEP-90
Invoice No. : I-9021730
P.O. Number :

## CERTIFICATE OF ANALYSIS A9021730

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108238 | 208 | 294 | < 0.002 | < 0.2 | 1.13 | 10 | 440 | < 0.5 | 2 | 0.23 | < 0.5 | 7 | 67 | 9 | 1.79 | < 10 | < 1 | 0.49 | 30 | 0.65 | 370 |
| 108239 | 208 | 294 | < 0.002 | < 0.2 | 1.13 | 35 | 410 | < 0.5 | < 2 | 0.27 | < 0.5 | 8 | 77 | 14 | 1.92 | < 10 | < 1 | 0.48 | 30 | 0.73 | 410 |
| 108240 | 208 | 294 | < 0.002 | < 0.2 | 1.02 | 15 | 400 | < 0.5 | 2 | 0.22 | < 0.5 | 7 | 59 | 14 | 1.63 | < 10 | < 1 | 0.50 | 30 | 0.63 | 355 |
| 108241 | 208 | 294 | < 0.002 | < 0.2 | 1.12 | 25 | 330 | < 0.5 | 2 | 0.19 | < 0.5 | 6 | 73 | 13 | 1.81 | < 10 | < 1 | 0.43 | 30 | 0.70 | 465 |
| 108242 | 208 | 294 | < 0.002 | < 0.2 | 1.37 | 15 | 430 | < 0.5 | 2 | 0.25 | < 0.5 | 8 | 78 | 9 | 2.26 | < 10 | < 1 | 0.60 | 30 | 1.03 | 505 |
| 108243 | 208 | 294 | < 0.002 | < 0.2 | 0.92 | 20 | 350 | < 0.5 | 2 | 0.20 | < 0.5 | 5 | 110 | 4 | 1.56 | < 10 | < 1 | 0.50 | 20 | 0.72 | 460 |
| 108244 | 208 | 294 | < 0.002 | < 0.2 | 1.12 | 30 | 380 | < 0.5 | 2 | 0.24 | < 0.5 | 7 | 66 | 12 | 1.92 | < 10 | < 1 | 0.61 | 30 | 0.82 | 450 |
| 108245 | 208 | 294 | < 0.002 | < 0.2 | 1.26 | 30 | 330 | < 0.5 | 2 | 0.23 | < 0.5 | 7 | 98 | 9 | 2.01 | < 10 | < 1 | 0.54 | 20 | 1.05 | 495 |
| 108246 | 208 | 294 | < 0.002 | < 0.2 | 1.21 | 125 | 300 | < 0.5 | 2 | 0.26 | < 0.5 | 7 | 86 | 10 | 2.01 | < 10 | < 1 | 0.53 | 20 | 1.02 | 480 |
| 108247 | 208 | 294 | < 0.002 | < 0.2 | 1.09 | 300 | 320 | < 0.5 | 2 | 0.28 | < 0.5 | 8 | 52 | 7 | 1.83 | < 10 | < 1 | 0.52 | 30 | 0.85 | 425 |
| 108248 | 208 | 294 | < 0.002 | < 0.2 | 1.24 | 85 | 280 | < 0.5 | < 2 | 0.33 | < 0.5 | 7 | 73 | 13 | 2.19 | < 10 | < 1 | 0.45 | 20 | 1.04 | 585 |
| 108249 | 208 | 294 | < 0.002 | < 0.2 | 1.10 | 15 | 370 | < 0.5 | < 2 | 0.30 | < 0.5 | 8 | 93 | 13 | 2.02 | < 10 | < 1 | 0.52 | 20 | 0.84 | 535 |
| 108250 | 208 | 294 | < 0.002 | < 0.2 | 1.26 | 5 | 420 | < 0.5 | < 2 | 0.32 | < 0.5 | 9 | 58 | 19 | 2.15 | < 10 | < 1 | 0.58 | 30 | 0.90 | 470 |
| #1 NO TAG | 208 | 294 | < 0.002 | < 0.2 | 0.14 | 5 | 300 | < 0.5 | < 2 | 0.05 | < 0.5 | < 1 | 63 | 1 | 0.60 | < 10 | < 1 | 0.09 | 10 | 0.03 | 40 |

CERTIFICATION: B. Caplette

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ARBOR RESOURCES INC.

2321 BELLEVUE AVE.
WEST VANCOUVER, BC
V7V 1C9

Project : DAWSON
Comments:


Invoice Date: 5-SEP-90
Invoice No. : I-9021730
P.O. Number :

## CERTIFICATE OF ANALYSIS A9021730

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 108238 | 208 | 294 | < 1 | 0.02 | 8 | 600 | 6 | < 5 | 6 | 18 | 0.01 | < 10 | < 10 | 12 | < 10 | 88 |
| 108239 | 208 | 294 | < 1 | 0.02 | 8 | 720 | 14 | < 5 | 6 | 20 | 0.02 | 10 | < 10 | 13 | < 10 | 62 |
| 108240 | 208 | 294 | < 1 | 0.02 | 6 | 580 | 6 | < 5 | 5 | 16 | 0.01 | 10 | < 10 | 10 | < 10 | 52 |
| 108241 | 208 | 294 | < 1 | 0.02 | 5 | 460 | 12 | < 5 | 5 | 16 | 0.01 | < 10 | < 10 | 9 | < 10 | 58 |
| 108242 | 208 | 294 | < 1 | 0.02 | 6 | 630 | 20 | < 5 | 7 | 19 | 0.04 | < 10 | < 10 | 14 | < 10 | 80 |
| 108243 | 208 | 294 | < 1 | 0.01 | 5 | 470 | 26 | < 5 | 5 | 14 | 0.03 | < 10 | < 10 | 10 | < 10 | 52 |
| 108244 | 208 | 294 | < 1 | 0.02 | 5 | 610 | 12 | < 5 | 6 | 17 | 0.04 | < 10 | < 10 | 12 | < 10 | 60 |
| 108245 | 208 | 294 | < 1 | 0.02 | 8 | 590 | 22 | < 5 | 6 | 16 | 0.04 | < 10 | < 10 | 14 | < 10 | 68 |
| 108246 | 208 | 294 | < 1 | 0.02 | 8 | 650 | 14 | < 5 | 6 | 17 | 0.05 | < 10 | < 10 | 15 | < 10 | 64 |
| 108247 | 208 | 294 | < 1 | 0.01 | 7 | 650 | 10 | < 5 | 5 | 18 | 0.05 | < 10 | < 10 | 13 | < 10 | 56 |
| 108248 | 208 | 294 | < 1 | 0.02 | 9 | 710 | 8 | < 5 | 6 | 21 | 0.07 | < 10 | < 10 | 17 | < 10 | 68 |
| 108249 | 208 | 294 | < 1 | 0.02 | 11 | 740 | 16 | < 5 | 6 | 19 | 0.06 | < 10 | < 10 | 18 | < 10 | 58 |
| 108250 | 208 | 294 | < 1 | 0.02 | 11 | 740 | 12 | < 5 | 5 | 18 | 0.08 | < 10 | < 10 | 18 | < 10 | 64 |
| #1 NO TAG | 208 | 294 | 1 | 0.02 | 1 | 240 | 42 | < 5 | < 1 | 30 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 4 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

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ARBOR RESOURCES INC.

1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9022461

Comments:

## CERTIFICATE A9022461

ARBOR RESOURCES INC.

Project: AOR/DAW
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 30-APR-91.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 208 | 77 | Assay ring to approx 150 mesh |
| 294 | 77 | Crush and split (0-10 pounds) |
| 238 | 77 | NITRIC-AQUA REGIA DIGESTION |

* 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 |
|---|---|---|---|---|---|
| 398 | 77 | Au oz/T: 1/2 assay ton | FA-AAS | 0.002 | 20.00 |
| 922 | 77 | Ag ppm: 32 element, soil & rock | ICP-AES | 0.2 | 200 |
| 921 | 77 | Al %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 923 | 77 | As ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 924 | 77 | Ba ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 925 | 77 | Be ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 926 | 77 | Bi ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 927 | 77 | Ca %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 928 | 77 | Cd ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 929 | 77 | Co ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 930 | 77 | Cr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 931 | 77 | Cu ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 932 | 77 | Fe %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 933 | 77 | Ga ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 951 | 77 | Hg ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 934 | 77 | K %: 32 element, soil & rock | ICP-AES | 0.01 | 10.00 |
| 935 | 77 | La ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 936 | 77 | Mg %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 937 | 77 | Mn ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 938 | 77 | Mo ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 939 | 77 | Na %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 940 | 77 | Ni ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 941 | 77 | P ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 942 | 77 | Pb ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 943 | 77 | Sb ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 958 | 77 | Sc ppm: 32 elements, soil & rock | ICP-AES | 1 | 10000 |
| 944 | 77 | Sr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 945 | 77 | Ti %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 946 | 77 | Tl ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 947 | 77 | U ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 948 | 77 | V ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 949 | 77 | W ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 950 | 77 | Zn ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |

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ARBOR RESOURCES INC. ##
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VANCOUVER, BC
V6B 1N2

Project : AOR/DAW
Comments:

Page N[illegible]r :1-A
Total Pa[illegible] :2
Certificate Date: 17-SEP-90
Invoice No. :19022461
P.O. Number :

## CERTIFICATE OF ANALYSIS A9022461

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39081 | 208 | 294 | < 0.002 | 0.8 | 0.36 | 10 | 240 | 0.5 | < 2 | 0.05 | < 0.5 | < 1 | 68 | 262 | 0.76 | 10 | < 1 | 0.37 | 40 | 0.04 | 80 |
| 39082 | 208 | 294 | < 0.002 | 1.2 | 0.28 | 10 | 130 | < 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 42 | 255 | 0.77 | < 10 | < 1 | 0.26 | 30 | 0.04 | 70 |
| 39083 | 208 | 294 | < 0.002 | 1.0 | 0.30 | 10 | 210 | < 0.5 | 2 | 0.03 | < 0.5 | < 1 | 69 | 174 | 0.66 | < 10 | < 1 | 0.33 | 30 | 0.03 | 75 |
| 39084 | 208 | 294 | 0.091 | 0.6 | 0.19 | 5 | 230 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 169 | 230 | 0.47 | < 10 | < 1 | 0.17 | 10 | 0.01 | 95 |
| 39085 | 208 | 294 | < 0.002 | 0.8 | 0.21 | 5 | 170 | < 0.5 | 2 | 0.03 | < 0.5 | < 1 | 53 | 90 | 0.42 | < 10 | < 1 | 0.23 | 30 | 0.02 | 55 |
| 39086 | 208 | 294 | < 0.002 | 0.4 | 0.47 | 5 | 440 | < 0.5 | < 2 | 0.08 | < 0.5 | < 1 | 86 | 106 | 0.75 | < 10 | < 1 | 0.27 | 40 | 0.06 | 65 |
| 39087 | 208 | 294 | < 0.002 | 1.0 | 0.45 | 5 | 550 | < 0.5 | 2 | 0.04 | < 0.5 | < 1 | 72 | 46 | 0.57 | 10 | < 1 | 0.29 | 40 | 0.08 | 40 |
| 39088 | 208 | 294 | < 0.002 | 0.2 | 0.27 | 15 | 1860 | < 0.5 | < 2 | 0.09 | < 0.5 | < 1 | 30 | 46 | 0.88 | < 10 | < 1 | 0.18 | 20 | 0.03 | 35 |
| 39089 | 208 | 294 | < 0.002 | 0.8 | 0.26 | < 5 | 240 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 79 | 12 | 0.30 | < 10 | < 1 | 0.25 | 30 | 0.02 | 25 |
| 39090 | 208 | 294 | < 0.002 | 1.2 | 0.18 | 15 | 160 | < 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 90 | 50 | 0.82 | < 10 | < 1 | 0.14 | 40 | 0.02 | 285 |
| 39091 | 208 | 294 | < 0.002 | 1.0 | 0.34 | < 5 | 190 | < 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 65 | 44 | 0.36 | 10 | < 1 | 0.29 | 30 | 0.04 | 35 |
| 39092 | 208 | 294 | < 0.002 | 0.4 | 0.19 | 15 | 90 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 142 | 30 | 0.52 | < 10 | < 1 | 0.17 | 10 | 0.01 | 30 |
| 39093 | 208 | 294 | < 0.002 | 0.8 | 0.21 | 10 | 100 | < 0.5 | 2 | 0.02 | < 0.5 | < 1 | 64 | 33 | 0.66 | < 10 | < 1 | 0.17 | 30 | 0.02 | 40 |
| 39094 | 208 | 294 | 0.002 | 0.6 | 0.15 | 5 | 90 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 138 | 24 | 0.46 | < 10 | < 1 | 0.13 | 10 | 0.01 | 25 |
| 39095 | 208 | 294 | 0.093 | 2.2 | 0.25 | 5 | 150 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 77 | 26 | 0.56 | < 10 | < 1 | 0.23 | 30 | 0.02 | 35 |
| 39096 | 208 | 294 | < 0.002 | 1.2 | 0.26 | < 5 | 150 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 74 | 16 | 0.38 | < 10 | < 1 | 0.23 | 40 | 0.02 | 20 |
| 39097 | 208 | 294 | < 0.002 | 0.6 | 0.42 | < 5 | 490 | < 0.5 | < 2 | 0.06 | < 0.5 | < 1 | 77 | 11 | 0.33 | 10 | < 1 | 0.33 | 30 | 0.03 | 25 |
| 39098 | 208 | 294 | < 0.002 | < 0.2 | 0.39 | < 5 | 340 | < 0.5 | < 2 | 0.15 | < 0.5 | < 1 | 90 | 8 | 0.31 | < 10 | < 1 | 0.22 | 20 | 0.02 | 30 |
| 39099 | 208 | 294 | < 0.002 | 0.4 | 0.35 | 5 | 270 | < 0.5 | < 2 | 0.08 | < 0.5 | < 1 | 56 | 9 | 0.40 | < 10 | < 1 | 0.23 | 20 | 0.02 | 30 |
| 39100 | 208 | 294 | 0.003 | 1.2 | 0.44 | < 5 | 370 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 97 | 9 | 0.28 | 10 | < 1 | 0.36 | 50 | 0.02 | 20 |
| 39144 | 208 | 294 | < 0.002 | 0.8 | 0.30 | 5 | 150 | < 0.5 | 2 | 0.04 | < 0.5 | < 1 | 46 | 11 | 0.66 | < 10 | < 1 | 0.22 | 20 | 0.05 | 50 |
| 39145 | 208 | 294 | < 0.002 | 0.6 | 0.39 | 5 | 230 | < 0.5 | 2 | 0.05 | < 0.5 | < 1 | 70 | 12 | 0.50 | < 10 | < 1 | 0.29 | 20 | 0.05 | 35 |
| 39146 | 208 | 294 | < 0.002 | 0.2 | 0.29 | 10 | 220 | < 0.5 | < 2 | 0.07 | < 0.5 | 1 | 92 | 43 | 0.41 | < 10 | < 1 | 0.20 | 30 | 0.06 | 70 |
| 39147 | 208 | 294 | 0.004 | 0.6 | 0.53 | 5 | 580 | < 0.5 | 2 | 0.05 | < 0.5 | 1 | 84 | 13 | 0.45 | < 10 | < 1 | 0.35 | 40 | 0.11 | 135 |
| 39148 | 208 | 294 | < 0.002 | 0.6 | 0.24 | < 5 | 330 | < 0.5 | 2 | 0.03 | < 0.5 | 1 | 130 | 12 | 0.28 | < 10 | < 1 | 0.13 | 10 | 0.03 | 70 |
| 39149 | 208 | 294 | < 0.002 | 1.2 | 0.49 | 5 | 500 | < 0.5 | 2 | 0.04 | < 0.5 | < 1 | 91 | 10 | 0.45 | 10 | < 1 | 0.38 | 40 | 0.06 | 70 |
| 39150 | 208 | 294 | 0.002 | 1.0 | 0.17 | 10 | 90 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 128 | 12 | 0.63 | < 10 | < 1 | 0.15 | 20 | 0.01 | 70 |
| 39151 | 208 | 294 | 0.089 | 1.0 | 0.07 | < 5 | 140 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 193 | 11 | 0.26 | < 10 | < 1 | 0.03 | < 10 | < 0.01 | 20 |
| 39152 | 208 | 294 | 0.004 | 2.0 | 0.26 | 5 | 150 | < 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 101 | 9 | 0.51 | < 10 | < 1 | 0.16 | 40 | 0.02 | 30 |
| 39153 | 208 | 294 | 0.006 | 1.2 | 0.41 | 5 | 270 | < 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 85 | 22 | 0.35 | 10 | < 1 | 0.34 | 40 | 0.04 | 20 |
| 39154 | 208 | 294 | 0.002 | 1.2 | 0.30 | 5 | 160 | < 0.5 | < 2 | 0.06 | < 0.5 | < 1 | 65 | 12 | 0.23 | 10 | < 1 | 0.22 | 50 | 0.03 | 15 |
| 39155 | 208 | 294 | 0.082 | 18.4 | 0.54 | 20 | 390 | < 0.5 | 28 | 0.08 | < 0.5 | 2 | 108 | 75 | 1.47 | < 10 | < 1 | 0.34 | 30 | 0.05 | 65 |
| 39156 | 208 | 294 | < 0.002 | 1.6 | 0.32 | 5 | 230 | < 0.5 | 2 | 0.03 | < 0.5 | 1 | 67 | 5 | 0.39 | 10 | < 1 | 0.25 | 50 | 0.02 | 15 |
| 39157 | 208 | 294 | < 0.002 | 1.0 | 0.28 | 10 | 280 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 82 | 9 | 0.51 | < 10 | < 1 | 0.20 | 20 | 0.01 | 15 |
| 39158 | 208 | 294 | < 0.002 | 1.0 | 0.33 | < 5 | 190 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 85 | 6 | 0.41 | < 10 | < 1 | 0.27 | 30 | 0.02 | 15 |
| 39159 | 208 | 294 | < 0.002 | 0.8 | 0.32 | < 5 | 200 | < 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 61 | 7 | 0.40 | < 10 | < 1 | 0.25 | 30 | 0.04 | 20 |
| 39160 | 208 | 294 | < 0.002 | 1.0 | 0.40 | < 5 | 260 | < 0.5 | 2 | 0.04 | < 0.5 | < 1 | 92 | 8 | 0.48 | < 10 | < 1 | 0.33 | 20 | 0.05 | 20 |
| 39161 | 208 | 294 | < 0.002 | 0.8 | 0.24 | 5 | 120 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 65 | 6 | 0.49 | < 10 | < 1 | 0.22 | 20 | 0.04 | 20 |
| 39162 | 208 | 294 | < 0.002 | 0.8 | 0.26 | 5 | 170 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 102 | 9 | 0.78 | < 10 | < 1 | 0.23 | 20 | 0.04 | 40 |
| 39163 | 208 | 294 | < 0.002 | 0.4 | 1.01 | 15 | 520 | < 0.5 | 2 | 0.16 | 1.5 | 3 | 78 | 8 | 1.70 | < 10 | < 1 | 0.39 | 20 | 0.44 | 295 |

CERTIFICATION: B. Campbell

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ARBOR RESOURCES INC. ##
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR/DAW
Comments:


Certificate Date: 17-SEP-90
Invoice No. :19022461
P.O. Number :

## CERTIFICATE OF ANALYSIS A9022461

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39081 | 208 | 294 | < 1 | 0.02 | 1 | 70 | 20 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | 30 |
| 39082 | 208 | 294 | < 1 | 0.01 | < 1 | 80 | 26 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | 36 |
| 39083 | 208 | 294 | < 1 | 0.03 | < 1 | 90 | 24 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 22 |
| 39084 | 208 | 294 | < 1 | 0.02 | 2 | 50 | 18 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 10 |
| 39085 | 208 | 294 | < 1 | 0.01 | < 1 | 70 | 16 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 16 |
| 39086 | 208 | 294 | < 1 | 0.02 | 1 | 180 | 18 | < 5 | 2 | 10 | < 0.01 | < 10 | < 10 | 1 | < 10 | 20 |
| 39087 | 208 | 294 | < 1 | 0.01 | < 1 | 70 | 18 | < 5 | 2 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | 26 |
| 39088 | 208 | 294 | < 1 | 0.01 | < 1 | 70 | 38 | < 5 | 2 | 30 | < 0.01 | < 10 | < 10 | 1 | < 10 | 34 |
| 39089 | 208 | 294 | < 1 | 0.03 | < 1 | 60 | 12 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 14 |
| 39090 | 208 | 294 | 2 | 0.01 | 1 | 130 | 24 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | 2 | < 10 | 24 |
| 39091 | 208 | 294 | < 1 | 0.02 | < 1 | 70 | 12 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 20 |
| 39092 | 208 | 294 | < 1 | 0.01 | 1 | 40 | 16 | < 5 | 4 | 3 | < 0.01 | < 10 | < 10 | 1 | < 10 | 18 |
| 39093 | 208 | 294 | < 1 | 0.01 | < 1 | 60 | 20 | < 5 | 1 | 3 | < 0.01 | < 10 | < 10 | 1 | < 10 | 28 |
| 39094 | 208 | 294 | < 1 | 0.01 | 1 | 40 | 12 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 10 |
| 39095 | 208 | 294 | < 1 | 0.02 | < 1 | 70 | 24 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 14 |
| 39096 | 208 | 294 | < 1 | 0.02 | < 1 | 70 | 14 | < 5 | 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 10 |
| 39097 | 208 | 294 | < 1 | 0.02 | < 1 | 70 | 16 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 18 |
| 39098 | 208 | 294 | < 1 | 0.03 | < 1 | 60 | 12 | < 5 | 2 | 15 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 18 |
| 39099 | 208 | 294 | < 1 | 0.02 | < 1 | 60 | 20 | < 5 | 1 | 9 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 22 |
| 39100 | 208 | 294 | < 1 | 0.03 | < 1 | 60 | 12 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 16 |
| 39144 | 208 | 294 | < 1 | 0.02 | < 1 | 70 | 4 | < 5 | 2 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 28 |
| 39145 | 208 | 294 | < 1 | 0.03 | < 1 | 70 | 6 | < 5 | 1 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 20 |
| 39146 | 208 | 294 | < 1 | 0.01 | 2 | 100 | 18 | < 5 | < 1 | 5 | < 0.01 | < 10 | < 10 | < 1 | 10 | 16 |
| 39147 | 208 | 294 | < 1 | 0.01 | 1 | 70 | 10 | < 5 | 1 | 8 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 18 |
| 39148 | 208 | 294 | < 1 | 0.01 | 2 | 30 | 18 | < 5 | < 1 | 6 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 10 |
| 39149 | 208 | 294 | < 1 | 0.02 | 1 | 50 | 14 | < 5 | 1 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 22 |
| 39150 | 208 | 294 | < 1 | 0.01 | 2 | 40 | 10 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 16 |
| 39151 | 208 | 294 | < 1 | 0.01 | 2 | 10 | 16 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 12 |
| 39152 | 208 | 294 | < 1 | 0.01 | 2 | 80 | 48 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | 1 | < 10 | 40 |
| 39153 | 208 | 294 | < 1 | 0.01 | 1 | 90 | 24 | < 5 | 4 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | 36 |
| 39154 | 208 | 294 | < 1 | 0.01 | 1 | 90 | 30 | < 5 | 1 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 50 |
| 39155 | 208 | 294 | 6 | 0.01 | 6 | 150 | 168 | < 5 | 2 | 10 | < 0.01 | < 10 | < 10 | 3 | 10 | 54 |
| 39156 | 208 | 294 | < 1 | 0.01 | 1 | 100 | 26 | < 5 | 18 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 20 |
| 39157 | 208 | 294 | 1 | 0.03 | 1 | 60 | 24 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | 1 | < 10 | 20 |
| 39158 | 208 | 294 | 1 | 0.03 | 1 | 70 | 14 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | 14 |
| 39159 | 208 | 294 | < 1 | 0.01 | < 1 | 80 | 18 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 24 |
| 39160 | 208 | 294 | < 1 | 0.02 | 1 | 80 | 22 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 28 |
| 39161 | 208 | 294 | < 1 | 0.02 | 1 | 70 | 16 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 24 |
| 39162 | 208 | 294 | 2 | 0.02 | 1 | 70 | 12 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | 30 |
| 39163 | 208 | 294 | < 1 | 0.01 | 3 | 400 | 324 | < 5 | 2 | 13 | < 0.01 | < 10 | < 10 | 4 | < 10 | 144 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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


ARBOR RESOURCES INC. ##

1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR/DAW
Comments:


Certificate Date: 17-SEP-90
Invoice No. :I9022461
P.O. Number :

## CERTIFICATE OF ANALYSIS A9022461

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39164 | 208 | 294 | < 0.002 | 0.6 | 0.44 | < 5 | 160 | < 0.5 | 2 | 0.09 | < 0.5 | 1 | 67 | 7 | 0.45 | 10 | < 1 | 0.28 | 30 | 0.17 | 165 |
| 39165 | 208 | 294 | < 0.002 | 0.4 | 0.39 | < 5 | 180 | < 0.5 | < 2 | 0.06 | < 0.5 | 1 | 46 | 8 | 0.46 | < 10 | < 1 | 0.29 | 30 | 0.12 | 125 |
| 39166 | 208 | 294 | < 0.002 | 1.4 | 0.07 | 50 | 120 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 195 | 7 | 0.39 | < 10 | < 1 | 0.03 | < 10 | 0.01 | 30 |
| 39167 | 208 | 294 | < 0.002 | 0.4 | 3.99 | 185 | 1170 | 1.0 | 2 | 2.74 | < 0.5 | 26 | 140 | 31 | 7.39 | 10 | < 1 | 0.09 | 10 | 2.34 | 790 |
| 39168 | 208 | 294 | 0.179 | 7.4 | 0.08 | 5 | 100 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 195 | 6 | 0.34 | < 10 | < 1 | 0.01 | < 10 | 0.01 | 30 |
| 39169 | 208 | 294 | 0.014 | 1.4 | 1.20 | 10 | 990 | 0.5 | 2 | 1.32 | 1.0 | 3 | 40 | 8 | 1.49 | 10 | < 1 | 0.44 | 20 | 0.39 | 255 |
| 39170 | 208 | 294 | < 0.002 | < 0.2 | 0.14 | 20 | 120 | < 0.5 | < 2 | 0.05 | < 0.5 | 1 | 221 | 8 | 0.51 | < 10 | < 1 | 0.02 | < 10 | 0.06 | 180 |
| 39171 | 208 | 294 | < 0.002 | 0.4 | 0.10 | 20 | 70 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 185 | 10 | 0.41 | < 10 | < 1 | < 0.01 | < 10 | 0.04 | 225 |
| 39172 | 208 | 294 | < 0.002 | 0.2 | 0.63 | 5 | 240 | < 0.5 | 2 | 0.05 | < 0.5 | 3 | 99 | 15 | 0.50 | < 10 | < 1 | 0.12 | 20 | 0.02 | 30 |
| 39173 | 208 | 294 | < 0.002 | 0.2 | 0.53 | < 5 | 110 | < 0.5 | < 2 | 0.02 | < 0.5 | 1 | 128 | 18 | 0.72 | < 10 | < 1 | 0.10 | 10 | 0.02 | 55 |
| 39174 | 208 | 294 | < 0.002 | < 0.2 | 0.72 | 45 | 220 | < 0.5 | 2 | 0.07 | < 0.5 | 9 | 188 | 56 | 6.07 | < 10 | < 1 | 0.23 | < 10 | 0.05 | 55 |
| 39175 | 208 | 294 | < 0.002 | < 0.2 | 0.17 | < 5 | 80 | < 0.5 | 2 | 0.21 | < 0.5 | 1 | 157 | 7 | 0.48 | < 10 | < 1 | 0.05 | < 10 | 0.10 | 90 |
| 39176 | 208 | 294 | < 0.002 | < 0.2 | 0.37 | < 5 | 30 | < 0.5 | 2 | 0.19 | < 0.5 | 1 | 168 | 7 | 0.98 | < 10 | < 1 | < 0.01 | < 10 | 0.32 | 355 |
| 39177 | 208 | 294 | < 0.002 | 5.0 | 0.23 | 125 | 10 | < 0.5 | < 2 | 0.02 | 1.5 | 68 | 195 | 85 | >15.00 | < 10 | < 1 | 0.01 | < 10 | 0.04 | 25 |
| 39178 | 208 | 294 | < 0.002 | 0.6 | 0.90 | 10 | 350 | < 0.5 | 2 | 0.11 | < 0.5 | 4 | 105 | 25 | 2.12 | < 10 | < 1 | 0.14 | 20 | 0.40 | 240 |
| 39179 | 208 | 294 | < 0.002 | 0.2 | 0.69 | 45 | 60 | < 0.5 | 2 | 0.05 | < 0.5 | 31 | 2000 | 25 | 3.52 | < 10 | < 1 | < 0.01 | < 10 | 1.03 | 270 |
| 39180 | 208 | 294 | < 0.002 | 0.4 | 2.88 | 75 | 170 | 0.5 | 4 | 0.26 | 0.5 | 22 | 515 | 197 | 7.98 | < 10 | < 1 | 0.13 | 20 | 1.11 | 515 |
| 39181 | 208 | 294 | < 0.002 | 1.4 | 1.65 | 10 | 360 | 0.5 | 2 | 0.41 | 1.5 | 17 | 267 | 41 | 2.48 | < 10 | < 1 | 0.11 | 10 | 0.41 | 1465 |
| 39182 | 208 | 294 | < 0.002 | < 0.2 | 0.37 | 85 | < 10 | < 0.5 | < 2 | 0.04 | < 0.5 | 41 | 1440 | 34 | 2.14 | < 10 | < 1 | < 0.01 | < 10 | 4.69 | 265 |
| 39183 | 208 | 294 | < 0.002 | < 0.2 | 0.38 | 670 | < 10 | < 0.5 | < 2 | 0.15 | < 0.5 | 50 | 1290 | 6 | 3.29 | < 10 | < 1 | < 0.01 | < 10 | 9.50 | 545 |
| 39184 | 208 | 294 | < 0.002 | < 0.2 | 0.46 | 550 | < 10 | < 0.5 | < 2 | 0.14 | < 0.5 | 69 | 1595 | 9 | 3.36 | < 10 | < 1 | < 0.01 | < 10 | 12.80 | 465 |
| 39185 | 208 | 294 | < 0.002 | < 0.2 | 0.49 | 210 | 10 | < 0.5 | < 2 | 2.69 | 0.5 | 41 | 1260 | 19 | 2.53 | < 10 | < 1 | < 0.01 | < 10 | 6.57 | 945 |
| 39186 | 208 | 294 | < 0.002 | < 0.2 | 0.32 | 110 | < 10 | < 0.5 | < 2 | 0.11 | < 0.5 | 53 | 1395 | 11 | 3.37 | < 10 | < 1 | < 0.01 | < 10 | >15.00 | 385 |
| 39187 | 208 | 294 | < 0.002 | 0.6 | 0.64 | 20 | 260 | < 0.5 | 4 | 0.09 | < 0.5 | 7 | 901 | 23 | 0.41 | < 10 | < 1 | < 0.01 | 10 | 0.33 | 25 |
| 39188 | 208 | 294 | < 0.002 | < 0.2 | 0.10 | 10 | 250 | < 0.5 | < 2 | 0.47 | < 0.5 | 5 | 319 | 11 | 0.42 | < 10 | < 1 | < 0.01 | < 10 | 0.17 | 65 |
| 39189 | 208 | 294 | < 0.002 | 0.4 | 0.09 | 20 | 150 | < 0.5 | 2 | 0.01 | < 0.5 | 7 | 217 | 9 | 0.36 | < 10 | < 1 | < 0.01 | < 10 | 0.29 | 60 |
| 39190 | 208 | 294 | < 0.002 | 0.8 | 1.25 | 15 | 490 | < 0.5 | 2 | 0.23 | < 0.5 | 8 | 933 | 63 | 0.64 | < 10 | < 1 | 0.08 | 20 | 0.27 | 25 |
| 39191 | 208 | 294 | < 0.002 | < 0.2 | 6.39 | 30 | 20 | 1.0 | < 2 | 0.19 | < 0.5 | 21 | 2390 | 539 | 4.09 | < 10 | < 1 | < 0.01 | < 10 | 9.60 | 160 |
| 39192 | 208 | 294 | < 0.002 | < 0.2 | 0.49 | 405 | 580 | < 0.5 | < 2 | 4.09 | < 0.5 | 50 | 1770 | 12 | 4.27 | < 10 | < 1 | < 0.01 | < 10 | 12.65 | 1080 |
| 39193 | 208 | 294 | < 0.002 | 0.6 | 1.98 | 150 | 590 | < 0.5 | 4 | 1.83 | < 0.5 | 26 | 119 | 29 | 4.70 | < 10 | < 1 | 0.19 | 20 | 2.22 | 575 |
| 39194 | 208 | 294 | < 0.002 | 1.2 | 2.42 | 125 | 200 | < 0.5 | 4 | 0.27 | < 0.5 | 18 | 130 | 55 | 3.67 | < 10 | < 1 | 0.23 | 20 | 1.76 | 365 |
| 39195 | 208 | 294 | < 0.002 | 1.4 | 0.95 | 45 | 330 | < 0.5 | 2 | 0.75 | < 0.5 | 5 | 90 | 26 | 4.19 | < 10 | < 1 | 0.21 | 10 | 1.02 | 680 |
| 39196 | 208 | 294 | < 0.002 | 0.6 | 0.53 | 10 | 900 | < 0.5 | < 2 | 0.46 | < 0.5 | 2 | 100 | 5 | 0.71 | 10 | < 1 | 0.28 | 30 | 0.32 | 130 |
| 39197 | 208 | 294 | < 0.002 | 0.6 | 0.58 | 10 | 1910 | < 0.5 | 2 | 1.05 | < 0.5 | 2 | 89 | 5 | 0.72 | 10 | < 1 | 0.28 | 30 | 0.32 | 150 |
| 39198 | 208 | 294 | < 0.002 | 0.2 | 0.57 | 10 | 170 | < 0.5 | 2 | 0.20 | < 0.5 | 5 | 433 | 9 | 0.66 | < 10 | < 1 | 0.09 | < 10 | 0.29 | 60 |
| 39199 | 208 | 294 | < 0.002 | 0.6 | 0.33 | 15 | 310 | < 0.5 | < 2 | 0.06 | < 0.5 | 5 | 546 | 22 | 0.51 | < 10 | < 1 | 0.01 | < 10 | 0.19 | 35 |
| 39200 | 208 | 294 | < 0.002 | < 0.2 | 0.73 | 10 | 160 | < 0.5 | 2 | 1.43 | < 0.5 | 7 | 240 | 15 | 2.08 | < 10 | < 1 | 0.11 | < 10 | 0.79 | 235 |

CERTIFICATION: B. Campbell

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ARBOR RESOURCES INC. ##

1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR/DAW
Comments:


Certificate Date: 17-SEP-90
Invoice No. :19022461
P.O. Number :

## CERTIFICATE OF ANALYSIS A9022461

| SAMPLE DESCRIPTION | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39164 | 208 294 | < 1 | 0.01 | 1 | 290 | 18 | < 5 | < 1 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 28 |
| 39165 | 208 294 | < 1 | 0.01 | 1 | 140 | 16 | < 5 | 6 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 26 |
| 39166 | 208 294 | < 1 | 0.01 | 2 | 10 | 8 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 12 |
| 39167 | 208 294 | < 1 | 0.08 | 57 | 2180 | 6 | 5 | 21 | 165 | 0.07 | < 10 | < 10 | 128 | 10 | 94 |
| 39168 | 208 294 | < 1 | 0.01 | 2 | 30 | 26 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 42 |
| 39169 | 208 294 | < 1 | 0.03 | 5 | 320 | 1030 | < 5 | 3 | 95 | < 0.01 | < 10 | < 10 | 3 | < 10 | 340 |
| 39170 | 208 294 | < 1 | 0.01 | 3 | 180 | 8 | < 5 | 5 | 5 | < 0.01 | < 10 | < 10 | 3 | < 10 | 10 |
| 39171 | 208 294 | < 1 | 0.01 | 3 | 70 | 6 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 2 | < 10 | 8 |
| 39172 | 208 294 | < 1 | 0.01 | 15 | 110 | 34 | < 5 | 1 | 26 | < 0.01 | < 10 | < 10 | 4 | < 10 | 36 |
| 39173 | 208 294 | < 1 | 0.01 | 22 | 90 | 18 | < 5 | 1 | 3 | < 0.01 | < 10 | < 10 | 9 | < 10 | 40 |
| 39174 | 208 294 | 2 | 0.01 | 57 | 530 | < 2 | < 5 | 13 | 5 | < 0.01 | < 10 | < 10 | 27 | < 10 | 182 |
| 39175 | 208 294 | < 1 | 0.01 | 3 | 20 | 30 | < 5 | < 1 | 13 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 8 |
| 39176 | 208 294 | < 1 | 0.02 | 3 | 10 | 2 | < 5 | 2 | 13 | < 0.01 | < 10 | < 10 | 1 | < 10 | 22 |
| 39177 | 208 294 | 6 | 0.01 | 59 | < 10 | 466 | 5 | 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | 80 | 96 |
| 39178 | 208 294 | 1 | 0.04 | 8 | 240 | 52 | < 5 | 2 | 21 | 0.01 | < 10 | < 10 | 10 | < 10 | 68 |
| 39179 | 208 294 | < 1 | 0.01 | 685 | 420 | < 2 | 10 | 8 | 6 | < 0.01 | < 10 | < 10 | 31 | < 10 | 66 |
| 39180 | 208 294 | < 1 | 0.01 | 449 | 1290 | 30 | < 5 | 25 | 31 | < 0.01 | < 10 | < 10 | 93 | < 10 | 178 |
| 39181 | 208 294 | < 1 | 0.01 | 134 | 1450 | 20 | < 5 | 8 | 15 | < 0.01 | < 10 | < 10 | 35 | < 10 | 84 |
| 39182 | 208 294 | < 1 | 0.01 | 761 | 20 | 6 | 5 | 6 | 1 | < 0.01 | 20 | < 10 | 18 | < 10 | 22 |
| 39183 | 208 294 | < 1 | 0.01 | 464 | < 10 | < 2 | < 5 | 8 | 16 | < 0.01 | 10 | < 10 | 12 | < 10 | 20 |
| 39184 | 208 294 | < 1 | 0.01 | 1065 | < 10 | < 2 | 5 | 5 | 13 | < 0.01 | 10 | < 10 | 17 | < 10 | 20 |
| 39185 | 208 294 | < 1 | 0.01 | 404 | 20 | 998 | < 5 | 5 | 240 | < 0.01 | < 10 | < 10 | 15 | < 10 | 300 |
| 39186 | 208 294 | < 1 | 0.01 | 764 | < 10 | < 2 | 5 | 5 | 12 | < 0.01 | 20 | < 10 | 15 | < 10 | 22 |
| 39187 | 208 294 | 1 | 0.01 | 116 | 60 | 8 | 5 | 3 | 17 | < 0.01 | < 10 | < 10 | 10 | < 10 | 70 |
| 39188 | 208 294 | < 1 | 0.02 | 74 | 50 | 4 | < 5 | < 1 | 15 | < 0.01 | < 10 | < 10 | 3 | < 10 | 24 |
| 39189 | 208 294 | < 1 | 0.01 | 102 | 30 | 6 | < 5 | < 1 | 6 | < 0.01 | < 10 | < 10 | 2 | < 10 | 22 |
| 39190 | 208 294 | < 1 | 0.01 | 131 | 1470 | 18 | < 5 | 4 | 32 | < 0.01 | < 10 | < 10 | 13 | < 10 | 100 |
| 39191 | 208 294 | < 1 | 0.01 | 549 | 570 | < 2 | 5 | 5 | 1 | < 0.01 | < 10 | < 10 | 19 | < 10 | 290 |
| 39192 | 208 294 | < 1 | 0.01 | 769 | < 10 | < 2 | 5 | 6 | 208 | < 0.01 | 10 | < 10 | 20 | < 10 | 38 |
| 39193 | 208 294 | 1 | 0.19 | 56 | 1860 | 4 | 5 | 9 | 102 | 0.12 | < 10 | < 10 | 69 | 10 | 94 |
| 39194 | 208 294 | 6 | 0.01 | 51 | 710 | 556 | < 5 | 4 | 33 | < 0.01 | < 10 | < 10 | 43 | < 10 | 472 |
| 39195 | 208 294 | 4 | 0.02 | 12 | 710 | 298 | < 5 | 2 | 103 | < 0.01 | < 10 | < 10 | 19 | < 10 | 150 |
| 39196 | 208 294 | < 1 | 0.01 | 9 | 100 | 14 | < 5 | 2 | 43 | < 0.01 | < 10 | < 10 | 2 | < 10 | 26 |
| 39197 | 208 294 | < 1 | 0.02 | 5 | 80 | 22 | < 5 | 2 | 118 | < 0.01 | < 10 | < 10 | 2 | < 10 | 24 |
| 39198 | 208 294 | < 1 | 0.01 | 36 | 510 | 6 | < 5 | 1 | 8 | < 0.01 | < 10 | < 10 | 8 | < 10 | 28 |
| 39199 | 208 294 | < 1 | 0.01 | 66 | 110 | 4 | < 5 | 1 | 13 | < 0.01 | < 10 | < 10 | 10 | < 10 | 44 |
| 39200 | 208 294 | 1 | 0.03 | 17 | 1870 | 2 | < 5 | 5 | 148 | < 0.01 | < 10 | < 10 | 17 | < 10 | 46 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

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ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9023250

Comments: CC: ART TROUP

## CERTIFICATE A9023250

ARBOR RESOURCES INC.

Project: AOR-DAW
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 27-SEP-90.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 208 | 106 | Assay ring to approx 150 mesh |
| 294 | 106 | Crush and split (0-10 pounds) |
| 238 | 106 | NITRIC-AQUA REGIA DIGESTION |

* 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 |
|---|---|---|---|---|---|
| 398 | 106 | Au oz/T: 1/2 assay ton | FA-AAS | 0.002 | 20.00 |
| 922 | 106 | Ag ppm: 32 element, soil & rock | ICP-AES | 0.2 | 200 |
| 921 | 106 | Al %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 923 | 106 | As ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 924 | 106 | Ba ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 925 | 106 | Be ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 926 | 106 | Bi ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 927 | 106 | Ca %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 928 | 106 | Cd ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 929 | 106 | Co ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 930 | 106 | Cr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 931 | 106 | Cu ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 932 | 106 | Fe %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 933 | 106 | Ga ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 951 | 106 | Hg ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 934 | 106 | K %: 32 element, soil & rock | ICP-AES | 0.01 | 10.00 |
| 935 | 106 | La ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 936 | 106 | Mg %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 937 | 106 | Mn ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 938 | 106 | Mo ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 939 | 106 | Na %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 940 | 106 | Ni ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 941 | 106 | P ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 942 | 106 | Pb ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 943 | 106 | Sb ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 958 | 106 | Sc ppm: 32 elements, soil & rock | ICP-AES | 1 | 10000 |
| 944 | 106 | Sr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 945 | 106 | Ti %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 946 | 106 | Tl ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 947 | 106 | U ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 948 | 106 | V ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 949 | 106 | W ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 950 | 106 | Zn ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |

# Chemex Labs Ltd.

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ARBOR RESOURCES INC.
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Project : AOR-DAW
Comments: CC: ART TROUP

Page Number : 1-A
Total Pages : 3
Invoice Date: 27-SEP-90
Invoice No. : I-9023250
P.O. Number :

## CERTIFICATE OF ANALYSIS A9023250

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39201 | 208 | 294 | 0.006 | 0.6 | 0.22 | 65 | 440 | < 0.5 | < 2 | 0.03 | 0.5 | 1 | 271 | 4 | 0.66 | < 10 | < 1 | 0.07 | < 10 | 0.03 | 150 |
| 39202 | 208 | 294 | 0.238 | 4.6 | 0.22 | 5 | 1400 | < 0.5 | 2 | 0.02 | 0.5 | 1 | 340 | 3 | 0.77 | < 10 | < 1 | 0.08 | < 10 | 0.02 | 75 |
| 39203 | 208 | 294 | 0.002 | 1.0 | 0.47 | 10 | 370 | < 0.5 | < 2 | 0.04 | 0.5 | 1 | 112 | 3 | 0.86 | 10 | < 1 | 0.20 | 30 | 0.03 | 150 |
| 39204 | 208 | 294 | 0.002 | 0.6 | 0.36 | 5 | 350 | < 0.5 | < 2 | 0.02 | 0.5 | 1 | 213 | 2 | 0.86 | < 10 | < 1 | 0.23 | 10 | 0.02 | 85 |
| 39205 | 208 | 294 | < 0.002 | 0.8 | 0.36 | 5 | 520 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 135 | 1 | 0.31 | < 10 | < 1 | 0.29 | 20 | 0.01 | 55 |
| 39206 | 208 | 294 | < 0.002 | 0.2 | 0.10 | < 5 | 60 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 330 | 1 | 0.39 | < 10 | < 1 | 0.03 | < 10 | 0.01 | 45 |
| 39207 | 208 | 294 | < 0.002 | 1.0 | 0.58 | 5 | 530 | < 0.5 | < 2 | 0.05 | < 0.5 | < 1 | 57 | 4 | 0.67 | 10 | < 1 | 0.39 | 30 | 0.05 | 60 |
| 39208 | 208 | 294 | < 0.002 | 0.6 | 0.44 | 5 | 370 | < 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 151 | 3 | 0.59 | < 10 | < 1 | 0.28 | 20 | 0.03 | 60 |
| 39209 | 208 | 294 | < 0.002 | 0.2 | 0.10 | < 5 | 60 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 247 | 1 | 0.32 | < 10 | < 1 | 0.03 | < 10 | < 0.01 | 70 |
| 39210 | 208 | 294 | 0.002 | 0.8 | 0.51 | < 5 | 410 | < 0.5 | < 2 | 0.03 | 0.5 | 1 | 83 | 2 | 0.58 | < 10 | < 1 | 0.36 | 30 | 0.03 | 85 |
| 39211 | 208 | 294 | 0.145 | 1.0 | 0.08 | 5 | 90 | < 0.5 | < 2 | 0.01 | 0.5 | < 1 | 259 | 3 | 0.67 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 160 |
| 39212 | 208 | 294 | 0.004 | 0.2 | 0.44 | 15 | 390 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 70 | 5 | 0.66 | < 10 | < 1 | 0.31 | 20 | 0.03 | 85 |
| 39213 | 208 | 294 | < 0.002 | < 0.2 | 1.49 | 5 | 630 | < 0.5 | < 2 | 0.16 | < 0.5 | 5 | 78 | 2 | 2.00 | < 10 | < 1 | 0.32 | 20 | 0.86 | 365 |
| 39214 | 208 | 294 | < 0.002 | < 0.2 | 1.53 | < 5 | 750 | < 0.5 | < 2 | 0.18 | < 0.5 | 4 | 89 | < 1 | 2.00 | < 10 | < 1 | 0.38 | 20 | 0.88 | 390 |
| 39215 | 208 | 294 | < 0.002 | < 0.2 | 0.37 | < 5 | 200 | < 0.5 | < 2 | 0.06 | < 0.5 | 1 | 261 | 1 | 0.67 | < 10 | < 1 | 0.07 | < 10 | 0.15 | 170 |
| 39216 | 208 | 294 | < 0.002 | < 0.2 | 0.76 | < 5 | 440 | < 0.5 | < 2 | 0.06 | < 0.5 | 2 | 232 | < 1 | 0.96 | < 10 | < 1 | 0.25 | 10 | 0.32 | 160 |
| 39217 | 208 | 294 | < 0.002 | 0.4 | 0.39 | 20 | 400 | < 0.5 | < 2 | 0.02 | 0.5 | < 1 | 81 | 1 | 0.43 | < 10 | < 1 | 0.29 | 30 | 0.03 | 55 |
| 39218 | 208 | 294 | < 0.002 | < 0.2 | 0.51 | < 5 | 4920 | < 0.5 | < 2 | 0.04 | < 0.5 | 1 | 114 | < 1 | 0.44 | < 10 | < 1 | 0.34 | 20 | 0.05 | 95 |
| 39219 | 208 | 294 | < 0.002 | 0.4 | 0.86 | < 5 | 2400 | < 0.5 | < 2 | 0.06 | 1.0 | 1 | 99 | 2 | 0.78 | 10 | < 1 | 0.44 | 30 | 0.11 | 150 |
| 39220 | 208 | 294 | < 0.002 | < 0.2 | 0.25 | < 5 | 370 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 320 | < 1 | 0.38 | < 10 | < 1 | 0.13 | < 10 | 0.02 | 50 |
| 39261 | 208 | 294 | < 0.002 | 0.4 | 0.04 | < 5 | 510 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 224 | < 1 | 0.33 | < 10 | < 1 | 0.01 | < 10 | < 0.01 | 65 |
| 39262 | 208 | 294 | < 0.002 | 0.4 | 0.08 | < 5 | 3960 | < 0.5 | 2 | 0.25 | < 0.5 | 2 | 321 | < 1 | 0.51 | < 10 | < 1 | < 0.01 | < 10 | 0.02 | 70 |
| 39271 | 208 | 294 | < 0.002 | 0.4 | 0.07 | < 5 | 1520 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 257 | 3 | 0.60 | < 10 | 1 | < 0.01 | < 10 | < 0.01 | 70 |
| 39272 | 208 | 294 | 0.048 | >200 | 0.52 | 15 | 740 | < 0.5 | 8 | 0.01 | < 0.5 | 1 | 182 | 22 | 1.93 | < 10 | 176 | 0.44 | 10 | 0.07 | 20 |
| 39273 | 208 | 294 | 0.002 | 3.0 | 0.38 | 125 | 240 | < 0.5 | < 2 | 0.04 | 0.5 | 2 | 276 | 114 | 7.39 | < 10 | < 1 | 0.10 | 10 | 0.03 | 115 |
| 39274 | 208 | 294 | 0.008 | 1.6 | 1.45 | < 5 | 590 | < 0.5 | 4 | 0.24 | < 0.5 | 5 | 177 | 5 | 2.52 | 10 | < 1 | 0.59 | 10 | 0.38 | 210 |
| 39275 | 208 | 294 | 0.014 | 1.0 | 0.32 | 5 | 90 | < 0.5 | < 2 | 0.05 | 0.5 | 7 | 356 | 11 | 0.97 | < 10 | < 1 | 0.03 | < 10 | 0.03 | 230 |
| 39276 | 208 | 294 | < 0.002 | 1.2 | 2.08 | 30 | 350 | < 0.5 | 4 | 0.39 | 1.0 | 10 | 266 | 17 | 2.90 | 10 | < 1 | 0.22 | 10 | 1.28 | 590 |
| 39277 | 208 | 294 | < 0.002 | 1.4 | 0.27 | 5 | 70 | < 0.5 | < 2 | 0.02 | < 0.5 | 1 | 371 | 22 | 1.37 | < 10 | < 1 | 0.03 | < 10 | 0.06 | 110 |
| 39278 | 208 | 294 | < 0.002 | 1.0 | 0.34 | 5 | 470 | < 0.5 | 2 | 0.03 | < 0.5 | < 1 | 197 | 3 | 0.73 | < 10 | < 1 | 0.29 | 20 | 0.03 | 60 |
| 39279 | 208 | 294 | < 0.002 | 10.2 | 0.15 | 50 | 240 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 370 | 1 | 1.62 | < 10 | < 1 | 0.19 | < 10 | 0.01 | 75 |
| 39280 | 208 | 294 | < 0.002 | 0.8 | 0.20 | 5 | 70 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 335 | 11 | 1.09 | < 10 | < 1 | 0.02 | < 10 | 0.02 | 45 |
| 39281 | 208 | 294 | < 0.002 | 1.0 | 0.84 | 90 | 3280 | < 0.5 | < 2 | 0.12 | < 0.5 | 10 | 57 | 16 | 1.54 | 10 | < 1 | 0.38 | 60 | 0.07 | 215 |
| 39282 | 208 | 294 | < 0.002 | 0.6 | 0.61 | 945 | 1410 | < 0.5 | 2 | 0.07 | 2.0 | 1 | 177 | 8 | 1.68 | 10 | < 1 | 0.40 | 40 | 0.04 | 30 |
| 39283 | 208 | 294 | < 0.002 | 0.8 | 0.37 | 5 | 270 | < 0.5 | < 2 | 0.53 | < 0.5 | 1 | 101 | < 1 | 0.60 | 10 | < 1 | 0.27 | 50 | 0.09 | 245 |
| 39284 | 208 | 294 | < 0.002 | 0.2 | 0.13 | < 5 | 150 | < 0.5 | 2 | 0.01 | < 0.5 | < 1 | 336 | < 1 | 0.42 | < 10 | < 1 | 0.13 | < 10 | 0.01 | 85 |
| 39285 | 208 | 294 | < 0.002 | 0.8 | 0.12 | < 5 | 80 | < 0.5 | 2 | < 0.01 | < 0.5 | < 1 | 348 | 2 | 0.69 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 30 |
| 39286 | 208 | 294 | 0.047 | 2.4 | 0.23 | < 5 | 1660 | < 0.5 | 2 | < 0.01 | < 0.5 | 1 | 356 | 1 | 1.56 | < 10 | < 1 | 0.07 | 10 | < 0.01 | 40 |
| 39287 | 208 | 294 | < 0.002 | 0.6 | 0.22 | < 5 | 1160 | < 0.5 | 2 | < 0.01 | < 0.5 | 1 | 232 | < 1 | 0.49 | < 10 | < 1 | 0.22 | < 10 | 0.01 | 110 |
| 39288 | 208 | 294 | 0.012 | 3.4 | 0.41 | < 5 | 860 | < 0.5 | 2 | 0.01 | < 0.5 | < 1 | 199 | 1 | 0.92 | < 10 | < 1 | 0.23 | 20 | < 0.01 | 35 |

CERTIFICATION: B. Caybl

# Chemex Labs Ltd.

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ARBOR RESOURCES INC.
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VANCOUVER, BC
V6B 1N2

Project : AOR-DAW
Comments: CC: ART TROUP


Invoice Date: 27-SEP-90
Invoice No. : I-9023250
P.O. Number :

## CERTIFICATE OF ANALYSIS A9023250

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39201 | 208 | 294 | < 1 | 0.01 | 3 | 20 | 70 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | 2 | < 10 | 36 |
| 39202 | 208 | 294 | 1 | < 0.01 | 4 | 30 | 60 | < 5 | < 1 | 17 | < 0.01 | < 10 | < 10 | 1 | < 10 | 38 |
| 39203 | 208 | 294 | < 1 | 0.05 | 1 | 80 | 18 | < 5 | 3 | 6 | < 0.01 | < 10 | < 10 | 2 | < 10 | 56 |
| 39204 | 208 | 294 | 1 | 0.02 | 3 | 50 | 6 | < 5 | 1 | 4 | < 0.01 | 10 | < 10 | < 1 | < 10 | 26 |
| 39205 | 208 | 294 | < 1 | 0.02 | 1 | 30 | 12 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 16 |
| 39206 | 208 | 294 | < 1 | < 0.01 | 4 | 10 | 2 | < 5 | < 1 | 1 | < 0.01 | 10 | < 10 | 1 | < 10 | 8 |
| 39207 | 208 | 294 | < 1 | 0.03 | < 1 | 100 | 16 | < 5 | 4 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | 20 |
| 39208 | 208 | 294 | < 1 | 0.03 | 2 | 80 | 14 | < 5 | 2 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 18 |
| 39209 | 208 | 294 | < 1 | < 0.01 | 3 | < 10 | < 2 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 4 |
| 39210 | 208 | 294 | < 1 | 0.04 | 1 | 80 | 8 | < 5 | 2 | 4 | < 0.01 | 10 | < 10 | 1 | < 10 | 20 |
| 39211 | 208 | 294 | < 1 | < 0.01 | 3 | 20 | 18 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 16 |
| 39212 | 208 | 294 | < 1 | 0.04 | < 1 | 80 | 10 | < 5 | 2 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 26 |
| 39213 | 208 | 294 | < 1 | 0.01 | 1 | 370 | 8 | < 5 | 3 | 15 | < 0.01 | < 10 | < 10 | 6 | < 10 | 68 |
| 39214 | 208 | 294 | < 1 | 0.02 | 1 | 400 | 6 | < 5 | 4 | 17 | < 0.01 | < 10 | < 10 | 7 | < 10 | 62 |
| 39215 | 208 | 294 | < 1 | < 0.01 | 2 | 140 | 4 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | 2 | < 10 | 14 |
| 39216 | 208 | 294 | < 1 | 0.02 | 3 | 110 | < 2 | < 5 | 2 | 8 | < 0.01 | < 10 | < 10 | 4 | < 10 | 26 |
| 39217 | 208 | 294 | < 1 | 0.04 | < 1 | 60 | 18 | < 5 | 1 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 32 |
| 39218 | 208 | 294 | < 1 | 0.04 | 1 | 70 | 10 | < 5 | 3 | 65 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 16 |
| 39219 | 208 | 294 | < 1 | 0.02 | < 1 | 100 | 20 | < 5 | 5 | 28 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 44 |
| 39220 | 208 | 294 | < 1 | 0.01 | 3 | 10 | 8 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 8 |
| 39261 | 208 | 294 | < 1 | < 0.01 | 2 | 10 | 36 | < 5 | < 1 | 2 | < 0.01 | 10 | < 10 | < 1 | < 10 | 8 |
| 39262 | 208 | 294 | < 1 | < 0.01 | 4 | 70 | 4 | < 5 | < 1 | 105 | < 0.01 | < 10 | < 10 | 1 | < 10 | 8 |
| 39271 | 208 | 294 | 1 | 0.03 | 5 | 90 | 2 | < 5 | < 1 | 15 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 6 |
| 39272 | 208 | 294 | 2 | 0.04 | 1 | 530 | 408 | 45 | 2 | 111 | < 0.01 | < 10 | < 10 | 5 | < 10 | 16 |
| 39273 | 208 | 294 | < 1 | < 0.01 | 6 | 1630 | 20 | 5 | 1 | 15 | 0.01 | < 10 | < 10 | 10 | < 10 | 134 |
| 39274 | 208 | 294 | 1 | 0.03 | 3 | 520 | 2 | < 5 | 6 | 15 | 0.01 | < 10 | < 10 | 10 | < 10 | 66 |
| 39275 | 208 | 294 | < 1 | 0.02 | 7 | 250 | 2 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | 3 | < 10 | 60 |
| 39276 | 208 | 294 | 1 | 0.01 | 19 | 1410 | 16 | < 5 | 4 | 20 | < 0.01 | < 10 | < 10 | 43 | < 10 | 146 |
| 39277 | 208 | 294 | < 1 | < 0.01 | 4 | 220 | < 2 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | 3 | < 10 | 38 |
| 39278 | 208 | 294 | < 1 | 0.01 | 1 | 40 | 28 | < 5 | 1 | 7 | < 0.01 | < 10 | < 10 | 1 | < 10 | 38 |
| 39279 | 208 | 294 | 4 | 0.01 | 4 | 260 | 34 | 5 | 1 | 55 | < 0.01 | < 10 | < 10 | 3 | < 10 | 6 |
| 39280 | 208 | 294 | < 1 | < 0.01 | 6 | 230 | < 2 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 20 |
| 39281 | 208 | 294 | 2 | < 0.01 | 1 | 220 | 24 | < 5 | 4 | 47 | < 0.01 | < 10 | < 10 | 1 | < 10 | 136 |
| 39282 | 208 | 294 | 2 | < 0.01 | 2 | 240 | 32 | 5 | 1 | 44 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 30 |
| 39283 | 208 | 294 | < 1 | 0.05 | 1 | 30 | 8 | < 5 | 1 | 42 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 16 |
| 39284 | 208 | 294 | < 1 | < 0.01 | 3 | 20 | 10 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | 1 | < 10 | 4 |
| 39285 | 208 | 294 | 1 | < 0.01 | 3 | 20 | 26 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 6 |
| 39286 | 208 | 294 | 5 | < 0.01 | 3 | 60 | 154 | < 5 | < 1 | 8 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 16 |
| 39287 | 208 | 294 | < 1 | < 0.01 | 3 | 30 | 10 | < 5 | < 1 | 18 | < 0.01 | 10 | 10 | 1 | < 10 | 8 |
| 39288 | 208 | 294 | 8 | < 0.01 | 1 | 100 | 600 | < 5 | < 1 | 8 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 4 |

CERTIFICATION: B. Caplan

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAW
Comments: CC: ART TROUP


Invoice Date: 27-SEP-90
Invoice No. : I-9023250
P.O. Number :

## CERTIFICATE OF ANALYSIS A9023250

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39289 | 208 | 294 | 0.190 | 10.0 | 0.74 | 5 | 2560 | < 0.5 | < 2 | 0.06 | < 0.5 | 4 | 153 | 66 | 3.04 | 10 | < 1 | 0.28 | 20 | 0.07 | 235 |
| 39290 | 208 | 294 | 0.085 | 4.4 | 0.25 | < 5 | 140 | < 0.5 | < 2 | 0.04 | < 0.5 | 1 | 249 | 18 | 1.13 | < 10 | < 1 | 0.06 | < 10 | 0.03 | 95 |
| 39291 | 208 | 294 | 0.012 | 2.0 | 0.11 | < 5 | 150 | < 0.5 | < 2 | < 0.01 | < 0.5 | 1 | 331 | 1 | 0.72 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 40 |
| 39292 | 208 | 294 | < 0.002 | 0.6 | 0.21 | < 5 | 970 | < 0.5 | < 2 | 0.11 | 1.0 | 1 | 263 | 10 | 0.83 | < 10 | < 1 | 0.13 | < 10 | 0.02 | 425 |
| 39293 | 208 | 294 | 0.002 | 0.4 | 1.07 | < 5 | 380 | < 0.5 | < 2 | 0.14 | < 0.5 | 3 | 186 | 3 | 1.40 | 10 | < 1 | 0.49 | 20 | 0.41 | 210 |
| 39294 | 208 | 294 | < 0.002 | 0.4 | 0.31 | < 5 | 1790 | < 0.5 | < 2 | 0.02 | < 0.5 | 3 | 246 | 5 | 1.95 | < 10 | < 1 | 0.05 | 10 | 0.03 | 655 |
| 39295 | 208 | 294 | 0.014 | 21.4 | 0.16 | 15 | 4850 | < 0.5 | 4 | 0.47 | 4.5 | 2 | 229 | 434 | 0.45 | < 10 | 1 | 0.05 | 10 | 0.02 | 250 |
| 39296 | 208 | 294 | 0.097 | >200 | 0.09 | 120 | 3900 | < 0.5 | 16 | 0.35 | 5.0 | 1 | 253 | 395 | 1.00 | < 10 | 28 | 0.02 | < 10 | 0.06 | 105 |
| 39298 | 208 | 294 | 0.014 | 21.2 | 0.16 | 5 | 3840 | < 0.5 | 4 | 0.10 | 28.5 | 1 | 82 | 628 | 0.70 | < 10 | 5 | 0.02 | < 10 | 0.04 | 115 |
| 39299 | 208 | 294 | 0.144 | 128.0 | 0.04 | 140 | 1640 | < 0.5 | 16 | 0.08 | 36.0 | 1 | 122 | 3630 | 0.60 | < 10 | 32 | < 0.01 | < 10 | < 0.01 | 105 |
| 39300 | 208 | 294 | 0.008 | 12.6 | 0.07 | 5 | 3630 | < 0.5 | < 2 | 0.41 | 8.0 | 1 | 44 | 555 | 0.47 | < 10 | 1 | 0.01 | < 10 | 0.02 | 210 |
| 39327 | 208 | 294 | < 0.002 | 1.2 | 0.30 | 60 | 4900 | < 0.5 | 2 | 0.51 | 0.5 | 3 | 325 | 40 | 0.76 | < 10 | < 1 | 0.18 | 10 | 0.03 | 160 |
| 39328 | 208 | 294 | < 0.002 | < 0.2 | 0.27 | 145 | 4010 | < 0.5 | 2 | 4.24 | 0.5 | 23 | 190 | 12 | 2.47 | < 10 | < 1 | 0.01 | < 10 | 0.06 | 715 |
| 39329 | 208 | 294 | < 0.002 | < 0.2 | 0.10 | < 5 | 1620 | < 0.5 | < 2 | 0.10 | < 0.5 | 2 | 345 | 6 | 0.66 | < 10 | < 1 | < 0.01 | < 10 | 0.04 | 115 |
| 39330 | 208 | 294 | < 0.002 | 0.2 | 0.23 | 20 | 990 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 242 | 3 | 0.39 | < 10 | < 1 | 0.23 | 10 | < 0.01 | 55 |
| 39331 | 208 | 294 | < 0.002 | 0.2 | 0.03 | < 5 | 240 | < 0.5 | < 2 | 1.07 | < 0.5 | 1 | 288 | 2 | 0.91 | < 10 | < 1 | < 0.01 | < 10 | 0.08 | 205 |
| 39332 | 208 | 294 | < 0.002 | 0.4 | 0.27 | 10 | 360 | < 0.5 | < 2 | < 0.01 | < 0.5 | 1 | 287 | 2 | 0.38 | < 10 | < 1 | 0.17 | < 10 | 0.02 | 25 |
| 39333 | 208 | 294 | < 0.002 | < 0.2 | 0.29 | < 5 | 90 | < 0.5 | 2 | 5.78 | < 0.5 | 3 | 163 | 9 | 0.82 | < 10 | < 1 | 0.01 | < 10 | 0.27 | 805 |
| 39334 | 208 | 294 | 0.004 | 0.6 | 0.46 | 5 | 730 | < 0.5 | < 2 | 0.07 | < 0.5 | 1 | 183 | 1 | 0.60 | < 10 | < 1 | 0.37 | 30 | 0.03 | 110 |
| 39335 | 208 | 294 | < 0.002 | 0.2 | 0.19 | < 5 | 180 | < 0.5 | < 2 | 0.50 | < 0.5 | 1 | 314 | < 1 | 0.51 | < 10 | < 1 | 0.06 | < 10 | 0.03 | 210 |
| 39336 | 208 | 294 | 2.224 | 17.8 | 0.34 | 5 | 570 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 153 | 1 | 0.63 | < 10 | < 1 | 0.26 | 20 | 0.02 | 135 |
| 39337 | 208 | 294 | 0.002 | 0.6 | 0.34 | 5 | 470 | < 0.5 | < 2 | 0.03 | 0.5 | 2 | 121 | < 1 | 0.75 | < 10 | < 1 | 0.25 | 20 | 0.02 | 70 |
| 39338 | 208 | 294 | 0.004 | 0.8 | 2.31 | 5 | 330 | < 0.5 | < 2 | 0.08 | < 0.5 | 7 | 489 | 12 | 1.49 | < 10 | < 1 | 0.05 | 10 | 2.33 | 135 |
| 39339 | 208 | 294 | < 0.002 | 0.8 | 0.47 | < 5 | 270 | < 0.5 | < 2 | 0.04 | < 0.5 | 1 | 108 | 2 | 0.65 | < 10 | < 1 | 0.36 | 30 | 0.06 | 30 |
| 39340 | 208 | 294 | < 0.002 | 0.6 | 0.66 | 5 | 370 | < 0.5 | 2 | 0.05 | 0.5 | 1 | 169 | 8 | 0.98 | 10 | < 1 | 0.41 | 20 | 0.10 | 55 |
| 39341 | 208 | 294 | < 0.002 | 4.8 | 1.63 | < 5 | 190 | < 0.5 | < 2 | 0.08 | 1.0 | 82 | 232 | 3050 | 5.70 | 10 | < 1 | 0.17 | 10 | 1.04 | 765 |
| 39342 | 208 | 294 | < 0.002 | 0.8 | 3.67 | < 5 | 630 | < 0.5 | < 2 | 0.13 | < 0.5 | 13 | 804 | 64 | 2.32 | 10 | < 1 | 0.15 | < 10 | 3.85 | 235 |
| 39343 | 208 | 294 | < 0.002 | < 0.2 | 0.16 | < 5 | 60 | < 0.5 | < 2 | 0.15 | < 0.5 | 2 | 345 | 13 | 0.59 | < 10 | < 1 | < 0.01 | < 10 | 0.08 | 60 |
| 39344 | 208 | 294 | < 0.002 | 0.6 | 1.63 | < 5 | 410 | 0.5 | 2 | 0.18 | < 0.5 | 2 | 109 | 6 | 0.84 | 10 | < 1 | 0.11 | 50 | 0.16 | 15 |
| 39345 | 208 | 294 | < 0.002 | < 0.2 | 0.14 | 230 | 140 | < 0.5 | < 2 | 5.23 | 0.5 | 6 | 171 | 14 | 2.62 | < 10 | < 1 | 0.02 | < 10 | 0.09 | 695 |
| 39346 | 208 | 294 | < 0.002 | 0.2 | 0.57 | < 5 | 2010 | < 0.5 | < 2 | 1.17 | < 0.5 | 7 | 183 | 3 | 1.47 | 10 | < 1 | 0.18 | 20 | 0.17 | 430 |
| 39347 | 208 | 294 | < 0.002 | < 0.2 | 0.14 | 5 | 270 | < 0.5 | < 2 | 0.13 | < 0.5 | 1 | 175 | 3 | 0.62 | < 10 | < 1 | 0.09 | < 10 | 0.02 | 170 |
| 39348 | 208 | 294 | < 0.002 | < 0.2 | 0.06 | < 5 | 40 | < 0.5 | < 2 | 1.23 | < 0.5 | 1 | 292 | < 1 | 0.35 | < 10 | < 1 | < 0.01 | < 10 | 0.03 | 190 |
| 39349 | 208 | 294 | < 0.002 | 0.2 | 0.08 | < 5 | 140 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 265 | < 1 | 0.34 | < 10 | < 1 | 0.01 | < 10 | < 0.01 | 75 |
| 39350 | 208 | 294 | < 0.002 | 0.2 | 0.01 | < 5 | 160 | < 0.5 | < 2 | 0.66 | < 0.5 | 1 | 137 | < 1 | 0.36 | < 10 | < 1 | < 0.01 | < 10 | 0.01 | 160 |
| 39352 | 208 | 294 | < 0.002 | 0.6 | 0.78 | < 5 | 460 | < 0.5 | < 2 | 0.02 | < 0.5 | 3 | 200 | 18 | 0.96 | 10 | < 1 | 0.23 | 50 | 0.03 | 15 |
| 39353 | 208 | 294 | < 0.002 | 1.0 | 0.56 | 5 | 230 | < 0.5 | < 2 | 0.06 | < 0.5 | 2 | 328 | 14 | 0.71 | < 10 | < 1 | 0.02 | 10 | 0.06 | 75 |
| 39354 | 208 | 294 | < 0.002 | 0.4 | 0.16 | < 5 | 90 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 187 | < 1 | 0.24 | < 10 | < 1 | 0.08 | < 10 | 0.01 | 25 |
| 39355 | 208 | 294 | < 0.002 | 0.6 | 0.55 | < 5 | 200 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 143 | 1 | 0.24 | < 10 | < 1 | 0.18 | 20 | 0.02 | 5 |
| 39356 | 208 | 294 | < 0.002 | 0.4 | 0.39 | < 5 | 190 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 188 | < 1 | 0.31 | < 10 | < 1 | 0.22 | 10 | 0.01 | 20 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAW
Comments: CC: ART TROUP


Invoice Date: 27-SEP-90
Invoice No. : I-9023250
P.O. Number :

## CERTIFICATE OF ANALYSIS A9023250

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39289 | 208 | 294 | 3 | < 0.01 | 6 | 150 | 1010 | 5 | 3 | 38 | < 0.01 | < 10 | < 10 | 3 | < 10 | 36 |
| 39290 | 208 | 294 | 3 | < 0.01 | 4 | 30 | 246 | < 5 | < 1 | 9 | < 0.01 | < 10 | < 10 | 3 | < 10 | 16 |
| 39291 | 208 | 294 | 2 | < 0.01 | 4 | 10 | 32 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 2 |
| 39292 | 208 | 294 | 1 | < 0.01 | 5 | 370 | 28 | < 5 | 1 | 22 | < 0.01 | < 10 | < 10 | 2 | < 10 | 56 |
| 39293 | 208 | 294 | < 1 | 0.06 | 4 | 330 | 2 | < 5 | 3 | 13 | 0.03 | < 10 | < 10 | 29 | < 10 | 20 |
| 39294 | 208 | 294 | 1 | 0.01 | 7 | 60 | 18 | < 5 | 5 | 11 | < 0.01 | < 10 | < 10 | 3 | < 10 | 72 |
| 39295 | 208 | 294 | < 1 | < 0.01 | 3 | 20 | 4250 | 105 | 1 | 240 | < 0.01 | < 10 | < 10 | 1 | < 10 | 96 |
| 39296 | 208 | 294 | 1 | < 0.01 | 6 | 60 | 4170 | 1055 | < 1 | 96 | < 0.01 | < 10 | 10 | 1 | 10 | 36 |
| 39298 | 208 | 294 | < 1 | < 0.01 | 2 | 40 | 1560 | 80 | 1 | 295 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 246 |
| 39299 | 208 | 294 | < 1 | < 0.01 | 3 | < 10 | >10000 | 825 | < 1 | 220 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 416 |
| 39300 | 208 | 294 | < 1 | < 0.01 | 1 | 20 | 578 | 45 | 1 | 196 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 140 |
| 39327 | 208 | 294 | 1 | 0.02 | 8 | 580 | 198 | 5 | 1 | 63 | < 0.01 | < 10 | < 10 | 2 | < 10 | 22 |
| 39328 | 208 | 294 | 2 | 0.09 | 35 | 100 | 30 | < 5 | 3 | 51 | < 0.01 | < 10 | < 10 | 8 | < 10 | 60 |
| 39329 | 208 | 294 | 1 | < 0.01 | 7 | 10 | 14 | < 5 | < 1 | 17 | < 0.01 | < 10 | < 10 | 2 | < 10 | 12 |
| 39330 | 208 | 294 | < 1 | 0.01 | 4 | 30 | 14 | < 5 | < 1 | 11 | < 0.01 | < 10 | < 10 | 1 | < 10 | 6 |
| 39331 | 208 | 294 | < 1 | < 0.01 | 6 | 70 | 2 | < 5 | 1 | 14 | < 0.01 | < 10 | < 10 | 1 | < 10 | 12 |
| 39332 | 208 | 294 | 1 | < 0.01 | 4 | 30 | 16 | < 5 | < 1 | 5 | < 0.01 | < 10 | < 10 | 2 | < 10 | 4 |
| 39333 | 208 | 294 | < 1 | < 0.01 | 4 | 150 | 6 | < 5 | 2 | 122 | < 0.01 | < 10 | < 10 | 5 | < 10 | 10 |
| 39334 | 208 | 294 | < 1 | 0.03 | 3 | 50 | 14 | < 5 | 1 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 28 |
| 39335 | 208 | 294 | 1 | 0.02 | 6 | 20 | 10 | < 5 | < 1 | 35 | < 0.01 | < 10 | < 10 | 1 | < 10 | 12 |
| 39336 | 208 | 294 | < 1 | 0.02 | 3 | 50 | 14 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 28 |
| 39337 | 208 | 294 | < 1 | 0.03 | 3 | 60 | 18 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 46 |
| 39338 | 208 | 294 | < 1 | 0.02 | 79 | 200 | 2 | 5 | 7 | 8 | < 0.01 | < 10 | < 10 | 37 | < 10 | 32 |
| 39339 | 208 | 294 | 1 | 0.02 | 3 | 70 | 16 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 28 |
| 39340 | 208 | 294 | 1 | 0.03 | 2 | 70 | 20 | < 5 | 2 | 7 | < 0.01 | < 10 | < 10 | 2 | < 10 | 38 |
| 39341 | 208 | 294 | < 1 | 0.02 | 9 | 60 | 14 | < 5 | 2 | 6 | < 0.01 | < 10 | < 10 | 13 | < 10 | 110 |
| 39342 | 208 | 294 | < 1 | 0.01 | 166 | < 10 | < 2 | 5 | 6 | 13 | 0.04 | < 10 | < 10 | 46 | < 10 | 64 |
| 39343 | 208 | 294 | < 1 | < 0.01 | 8 | 40 | < 2 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | 3 | < 10 | 6 |
| 39344 | 208 | 294 | < 1 | 0.02 | 3 | 100 | 22 | < 5 | 2 | 22 | < 0.01 | < 10 | < 10 | 4 | < 10 | 38 |
| 39345 | 208 | 294 | < 1 | < 0.01 | 12 | 180 | < 2 | < 5 | 4 | 20 | < 0.01 | < 10 | < 10 | 7 | < 10 | 36 |
| 39346 | 208 | 294 | < 1 | 0.01 | 8 | 100 | 6 | < 5 | 2 | 50 | < 0.01 | < 10 | < 10 | 8 | < 10 | 48 |
| 39347 | 208 | 294 | < 1 | 0.01 | 4 | 150 | 4 | < 5 | < 1 | 6 | < 0.01 | < 10 | < 10 | 1 | < 10 | 12 |
| 39348 | 208 | 294 | < 1 | < 0.01 | 4 | 50 | < 2 | < 5 | < 1 | 44 | < 0.01 | < 10 | < 10 | 1 | < 10 | 2 |
| 39349 | 208 | 294 | < 1 | < 0.01 | 3 | < 10 | 10 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 8 |
| 39350 | 208 | 294 | < 1 | < 0.01 | 4 | 20 | < 2 | < 5 | < 1 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 4 |
| 39352 | 208 | 294 | < 1 | < 0.01 | 25 | 160 | 10 | < 5 | 3 | 24 | < 0.01 | < 10 | < 10 | 4 | < 10 | 58 |
| 39353 | 208 | 294 | 3 | < 0.01 | 29 | 140 | 10 | < 5 | 1 | 26 | < 0.01 | < 10 | < 10 | 11 | < 10 | 24 |
| 39354 | 208 | 294 | < 1 | < 0.01 | 4 | 10 | 6 | < 5 | < 1 | < 1 | < 0.01 | 10 | < 10 | < 1 | < 10 | 4 |
| 39355 | 208 | 294 | < 1 | 0.05 | 2 | 30 | 16 | < 5 | < 1 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | 8 |
| 39356 | 208 | 294 | < 1 | 0.03 | 4 | 30 | 14 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 6 |

CERTIFICATION: B. Caufield

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V6B 1N2

Project : AOR-DAW
Comments: CC: ART TROUP

Page Number : 3-A
Total Pages : 3
Invoice Date: 27-SEP-90
Invoice No. : I-9023250
P.O. Number :

## CERTIFICATE OF ANALYSIS A9023250

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39357 | 208 | 294 | < 0.002 | < 0.2 | 0.20 | < 5 | 110 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 277 | < 1 | 0.28 | < 10 | < 1 | 0.07 | < 10 | < 0.01 | 15 |
| 39358 | 208 | 294 | < 0.002 | 0.2 | 1.27 | 140 | 360 | 0.5 | 2 | 0.07 | 0.5 | 1 | 71 | 30 | 1.42 | 10 | < 1 | 0.28 | 40 | 0.18 | 15 |
| 39360 | 208 | 294 | < 0.002 | 0.6 | 3.55 | 30 | 440 | < 0.5 | < 2 | 0.44 | < 0.5 | 9 | 480 | 20 | 2.37 | 10 | < 1 | 0.13 | < 10 | 4.07 | 270 |
| 39361 | 208 | 294 | < 0.002 | 0.2 | 0.15 | < 5 | 180 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 191 | 3 | 0.26 | < 10 | < 1 | < 0.01 | < 10 | 0.05 | 25 |
| 39362 | 208 | 294 | 0.002 | 0.6 | 0.39 | < 5 | 360 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 276 | 1 | 0.48 | < 10 | < 1 | 0.14 | 10 | 0.09 | 150 |
| 39363 | 208 | 294 | < 0.002 | 0.4 | 0.16 | 250 | 110 | < 0.5 | < 2 | 2.25 | < 0.5 | 3 | 345 | 11 | 1.42 | 10 | < 1 | 0.04 | < 10 | 0.03 | 350 |
| 39364 | 208 | 294 | 0.425 | 5.2 | 1.09 | 30 | 440 | < 0.5 | < 2 | 0.07 | 4.0 | 35 | 278 | 179 | >15.00 | < 10 | < 1 | 0.07 | 10 | 0.23 | 1410 |
| 39365 | 208 | 294 | 0.002 | 2.0 | 0.09 | 160 | 70 | < 0.5 | 2 | 0.07 | 0.5 | 3 | 387 | 3 | 1.16 | < 10 | < 1 | < 0.01 | < 10 | 0.01 | 265 |
| 39366 | 208 | 294 | 0.002 | 0.2 | 0.04 | 20 | 40 | < 0.5 | < 2 | 2.13 | < 0.5 | 1 | 348 | 1 | 0.82 | < 10 | < 1 | < 0.01 | < 10 | 0.04 | 195 |
| 39367 | 208 | 294 | < 0.002 | < 0.2 | 0.08 | 305 | 70 | < 0.5 | 2 | 4.86 | 2.0 | 4 | 215 | 2 | 1.49 | < 10 | < 1 | < 0.01 | < 10 | 0.15 | 550 |
| 39368 | 208 | 294 | 0.002 | < 0.2 | 3.51 | 40 | 1340 | < 0.5 | < 2 | 0.46 | 3.0 | 50 | 52 | 175 | >15.00 | 20 | < 1 | 0.02 | 20 | 0.28 | 370 |
| 39369 | 208 | 294 | < 0.002 | 0.6 | 1.71 | 35 | 320 | 0.5 | 4 | 0.11 | < 0.5 | 2 | 96 | 11 | 1.05 | 10 | < 1 | 0.32 | 40 | 0.28 | 25 |
| 39370 | 208 | 294 | < 0.002 | < 0.2 | 0.49 | 5 | 50 | < 0.5 | 2 | 3.08 | < 0.5 | 2 | 221 | 4 | 1.19 | < 10 | < 1 | < 0.01 | < 10 | 0.28 | 375 |
| 39371 | 208 | 294 | < 0.002 | 1.0 | 1.16 | 5 | 790 | < 0.5 | < 2 | 0.09 | 0.5 | 2 | 103 | 7 | 1.03 | 10 | < 1 | 0.41 | 50 | 0.09 | 275 |
| 39372 | 208 | 294 | < 0.002 | < 0.2 | 0.17 | < 5 | 100 | < 0.5 | < 2 | 0.13 | < 0.5 | 3 | 299 | 9 | 0.73 | < 10 | < 1 | 0.02 | < 10 | 0.06 | 370 |
| 39373 | 208 | 294 | < 0.002 | 0.2 | 0.14 | < 5 | 30 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 457 | 2 | 0.51 | < 10 | < 1 | < 0.01 | < 10 | 0.01 | 65 |
| 39374 | 208 | 294 | < 0.002 | 0.4 | 0.88 | < 5 | 160 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 206 | 3 | 0.28 | < 10 | < 1 | 0.12 | 10 | 0.03 | 15 |
| 39375 | 208 | 294 | 0.078 | 14.4 | 0.03 | < 5 | 1070 | < 0.5 | 6 | < 0.01 | 3.0 | 1 | 512 | 4 | 0.99 | < 10 | 1 | < 0.01 | < 10 | < 0.01 | 50 |
| 39376 | 208 | 294 | < 0.002 | 1.0 | 0.91 | 5 | 670 | < 0.5 | < 2 | 0.06 | < 0.5 | 1 | 142 | 12 | 0.75 | 10 | < 1 | 0.37 | 40 | 0.07 | 165 |
| 39377 | 208 | 294 | < 0.002 | 0.6 | 0.62 | < 5 | 360 | < 0.5 | 2 | 0.23 | < 0.5 | 10 | 490 | < 1 | 1.43 | < 10 | < 1 | 0.06 | 10 | 1.77 | 355 |
| 39378 | 208 | 294 | < 0.002 | 0.2 | 3.26 | 10 | 370 | < 0.5 | < 2 | 0.12 | < 0.5 | 11 | 707 | 28 | 2.25 | < 10 | < 1 | 0.20 | < 10 | 3.45 | 215 |
| 39379 | 208 | 294 | < 0.002 | 0.4 | 3.02 | 10 | 350 | < 0.5 | < 2 | 0.54 | < 0.5 | 9 | 433 | 19 | 1.75 | < 10 | < 1 | 0.20 | < 10 | 2.47 | 180 |
| 39380 | 208 | 294 | < 0.002 | < 0.2 | 0.19 | < 5 | 130 | < 0.5 | < 2 | 0.01 | < 0.5 | 3 | 291 | 1 | 1.21 | < 10 | < 1 | 0.01 | < 10 | 0.08 | 125 |
| 39381 | 208 | 294 | < 0.002 | < 0.2 | 1.62 | 40 | 150 | < 0.5 | < 2 | 0.31 | < 0.5 | 97 | 3470 | 14 | 8.46 | 10 | < 1 | < 0.01 | < 10 | 8.64 | 690 |
| 39382 | 208 | 294 | < 0.002 | < 0.2 | 0.52 | 85 | 240 | < 0.5 | < 2 | 1.58 | < 0.5 | 12 | 320 | 18 | 3.43 | < 10 | < 1 | 0.19 | 20 | 0.28 | 725 |
| 39383 | 208 | 294 | 0.028 | 25.4 | 0.05 | < 5 | 4010 | < 0.5 | 34 | 0.01 | < 0.5 | 2 | 207 | 33 | 0.59 | < 10 | < 1 | < 0.01 | < 10 | 0.06 | 25 |

CERTIFICATION: B. Caughlin

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ARBOR RESOURCES INC.
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VANCOUVER, BC
V6B 1N2

Project : AOR-DAW
Comments: CC: ART TROUP


Invoice Date: 27-SEP-90
Invoice No. : I-9023250
P.O. Number :

## CERTIFICATE OF ANALYSIS A9023250

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39357 | 208 | 294 | < 1 | 0.01 | 3 | 10 | 6 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 4 |
| 39358 | 208 | 294 | 2 | 0.03 | 4 | 370 | 52 | < 5 | 3 | 29 | < 0.01 | < 10 | < 10 | 14 | < 10 | 32 |
| 39360 | 208 | 294 | < 1 | 0.02 | 135 | 20 | < 2 | < 5 | 7 | 29 | 0.07 | < 10 | < 10 | 37 | < 10 | 62 |
| 39361 | 208 | 294 | < 1 | < 0.01 | 4 | 20 | 4 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | 6 | < 10 | 2 |
| 39362 | 208 | 294 | < 1 | 0.01 | 6 | 20 | 14 | < 5 | 1 | 3 | < 0.01 | < 10 | < 10 | 2 | < 10 | 26 |
| 39363 | 208 | 294 | 1 | < 0.01 | 7 | 3520 | 2 | < 5 | 2 | 22 | < 0.01 | 10 | < 10 | 7 | < 10 | 16 |
| 39364 | 208 | 294 | 10 | < 0.01 | 50 | 1440 | 16 | 5 | 11 | 24 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 1930 |
| 39365 | 208 | 294 | 1 | < 0.01 | 7 | 70 | 236 | < 5 | 1 | 2 | < 0.01 | < 10 | < 10 | 3 | < 10 | 50 |
| 39366 | 208 | 294 | 1 | < 0.01 | 5 | 20 | 6 | < 5 | 1 | 11 | < 0.01 | 10 | < 10 | 2 | < 10 | 14 |
| 39367 | 208 | 294 | 1 | 0.01 | 3 | 20 | 26 | < 5 | 2 | 35 | < 0.01 | < 10 | < 10 | 2 | < 10 | 52 |
| 39368 | 208 | 294 | 2 | 0.04 | 108 | 4170 | < 2 | 5 | 29 | 44 | 0.07 | < 10 | < 10 | 129 | < 10 | 1045 |
| 39369 | 208 | 294 | < 1 | 0.03 | 4 | 250 | 24 | < 5 | 3 | 20 | < 0.01 | < 10 | < 10 | 10 | < 10 | 42 |
| 39370 | 208 | 294 | < 1 | < 0.01 | 5 | 180 | 4 | < 5 | 1 | 81 | < 0.01 | < 10 | < 10 | 7 | < 10 | 22 |
| 39371 | 208 | 294 | < 1 | 0.01 | 3 | 90 | 64 | < 5 | 5 | 11 | < 0.01 | < 10 | < 10 | 5 | < 10 | 92 |
| 39372 | 208 | 294 | < 1 | < 0.01 | 9 | 330 | 14 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | 3 | < 10 | 16 |
| 39373 | 208 | 294 | < 1 | < 0.01 | 17 | 30 | 2 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 2 | < 10 | 8 |
| 39374 | 208 | 294 | < 1 | < 0.01 | 7 | 50 | 18 | < 5 | 2 | 4 | 0.01 | < 10 | < 10 | 5 | < 10 | 8 |
| 39375 | 208 | 294 | < 1 | < 0.01 | 5 | 10 | 282 | < 5 | < 1 | 13 | < 0.01 | < 10 | < 10 | 1 | < 10 | 228 |
| 39376 | 208 | 294 | < 1 | 0.01 | 2 | 70 | 46 | < 5 | 3 | 8 | < 0.01 | < 10 | < 10 | 3 | < 10 | 78 |
| 39377 | 208 | 294 | < 1 | 0.01 | 124 | 100 | 16 | < 5 | 2 | 20 | 0.07 | < 10 | < 10 | 16 | < 10 | 16 |
| 39378 | 208 | 294 | < 1 | 0.01 | 152 | 10 | < 2 | 5 | 6 | 9 | 0.04 | < 10 | < 10 | 40 | < 10 | 60 |
| 39379 | 208 | 294 | < 1 | 0.02 | 73 | 170 | 4 | < 5 | 6 | 43 | 0.05 | < 10 | < 10 | 33 | < 10 | 40 |
| 39380 | 208 | 294 | < 1 | < 0.01 | 9 | 30 | 2 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | 2 | < 10 | 48 |
| 39381 | 208 | 294 | < 1 | < 0.01 | 1940 | < 10 | < 2 | 10 | 14 | 20 | 0.01 | < 10 | < 10 | 40 | < 10 | 376 |
| 39382 | 208 | 294 | < 1 | 0.04 | 65 | 500 | 2 | < 5 | 8 | 19 | < 0.01 | < 10 | < 10 | 15 | < 10 | 82 |
| 39383 | 208 | 294 | < 1 | < 0.01 | 19 | 10 | 1265 | 10 | < 1 | 254 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 48 |

CERTIFICATION: B. Caglione

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ARBOR RESOURCES INC.
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V6B 1N2

A9023700

Comments: ATTN: LARRY McLEAN CC: A. TROUP

## CERTIFICATE A9023700

ARBOR RESOURCES INC.

Project: AORDAW
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 3-OCT-90.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 208 | 192 | Assay ring to approx 150 mesh |
| 294 | 192 | Crush and split (0-10 pounds) |
| 238 | 192 | NITRIC-AQUA REGIA DIGESTION |
| * 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 |
|---|---|---|---|---|---|
| 398 | 192 | Au oz/T: 1/2 assay ton | FA-AAS | 0.002 | 20.00 |
| 922 | 192 | Ag ppm: 32 element, soil & rock | ICP-AES | 0.2 | 200 |
| 921 | 192 | Al %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 923 | 192 | As ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 924 | 192 | Ba ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 925 | 192 | Be ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 926 | 192 | Bi ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 927 | 192 | Ca %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 928 | 192 | Cd ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 929 | 192 | Co ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 930 | 192 | Cr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 931 | 192 | Cu ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 932 | 192 | Fe %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 933 | 192 | Ga ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 951 | 192 | Hg ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 934 | 192 | K %: 32 element, soil & rock | ICP-AES | 0.01 | 10.00 |
| 935 | 192 | La ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 936 | 192 | Mg %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 937 | 192 | Mn ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 938 | 192 | Mo ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 939 | 192 | Na %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 940 | 192 | Ni ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 941 | 192 | P ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 942 | 192 | Pb ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 943 | 192 | Sb ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 958 | 192 | Sc ppm: 32 elements, soil & rock | ICP-AES | 1 | 10000 |
| 944 | 192 | Sr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 945 | 192 | Ti %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 946 | 192 | Tl ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 947 | 192 | U ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 948 | 192 | V ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 949 | 192 | W ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 950 | 192 | Zn ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |

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Page Number : 1-A
Total Pages : 5
Invoice Date: 3-OCT-90
Invoice No. : I-9023700
P.O. Number :

Project : AORDAW
Comments: ATTN: LARRY McLEAN CC: A. TROUP

## CERTIFICATE OF ANALYSIS A9023700

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1858 | 208 | 294 | < 0.002 | 0.2 | 0.80 | < 5 | 1080 | < 0.5 | < 2 | 1.19 | < 0.5 | 4 | 139 | < 1 | 1.49 | 10 | < 1 | 0.36 | 20 | 0.27 | 225 |
| 1859 | 208 | 294 | 0.002 | 0.2 | 0.76 | 5 | 320 | < 0.5 | < 2 | 0.16 | < 0.5 | 4 | 208 | < 1 | 2.02 | < 10 | < 1 | 0.17 | 10 | 0.20 | 125 |
| 1860 | 208 | 294 | < 0.002 | < 0.2 | 1.98 | < 5 | 620 | < 0.5 | < 2 | 0.59 | < 0.5 | 6 | 115 | < 1 | 3.27 | < 10 | < 1 | 0.36 | 20 | 0.91 | 210 |
| 1861 | 208 | 294 | < 0.002 | < 0.2 | 0.09 | < 5 | 40 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 413 | < 1 | 0.49 | < 10 | < 1 | < 0.01 | < 10 | 0.02 | 40 |
| 1862 | 208 | 294 | < 0.002 | < 0.2 | 2.01 | 5 | 470 | < 0.5 | < 2 | 1.15 | 0.5 | 10 | 129 | 16 | 3.90 | < 10 | < 1 | 0.34 | 20 | 1.01 | 350 |
| 1863 | 208 | 294 | 0.004 | < 0.2 | 1.19 | < 5 | 550 | < 0.5 | < 2 | 1.94 | 0.5 | 5 | 142 | < 1 | 3.07 | < 10 | < 1 | 0.37 | 20 | 0.59 | 580 |
| 1864 | 208 | 294 | < 0.002 | < 0.2 | 1.69 | < 5 | 550 | < 0.5 | < 2 | 1.10 | < 0.5 | 6 | 125 | < 1 | 3.03 | < 10 | < 1 | 0.29 | 20 | 0.64 | 455 |
| 1865 | 208 | 294 | 0.002 | < 0.2 | 1.03 | < 5 | 410 | < 0.5 | < 2 | 0.89 | < 0.5 | 3 | 203 | < 1 | 2.25 | < 10 | < 1 | 0.22 | 20 | 0.36 | 385 |
| 1866 | 208 | 294 | < 0.002 | < 0.2 | 1.31 | < 5 | 710 | < 0.5 | < 2 | 1.23 | < 0.5 | 5 | 158 | < 1 | 2.14 | 10 | < 1 | 0.14 | 10 | 0.50 | 480 |
| 1867 | 208 | 294 | 0.002 | 0.2 | 0.64 | 15 | 320 | < 0.5 | < 2 | 0.06 | < 0.5 | 1 | 213 | < 1 | 1.15 | < 10 | < 1 | 0.47 | 20 | 0.05 | 55 |
| 1868 | 208 | 294 | 0.011 | 0.4 | 0.24 | < 5 | 260 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 348 | 1 | 0.55 | < 10 | < 1 | 0.17 | < 10 | 0.02 | 35 |
| 1869 | 208 | 294 | < 0.002 | 0.2 | 0.47 | < 5 | 310 | < 0.5 | < 2 | 0.06 | < 0.5 | 1 | 261 | 1 | 0.81 | < 10 | < 1 | 0.37 | 10 | 0.03 | 45 |
| 1870 | 208 | 294 | < 0.002 | 0.2 | 0.54 | 5 | 330 | < 0.5 | 2 | 0.06 | < 0.5 | 1 | 160 | < 1 | 0.73 | < 10 | < 1 | 0.48 | 20 | 0.04 | 45 |
| 1871 | 208 | 294 | < 0.002 | 0.4 | 0.65 | 10 | 360 | < 0.5 | 2 | 0.07 | < 0.5 | 1 | 166 | < 1 | 0.98 | 10 | < 1 | 0.50 | 30 | 0.06 | 60 |
| 1872 | 208 | 294 | < 0.002 | < 0.2 | 4.15 | 15 | 340 | < 0.5 | < 2 | 3.01 | 1.0 | 28 | 56 | 15 | 5.64 | 20 | < 1 | 0.14 | 10 | 2.82 | 750 |
| 1873 | 208 | 294 | < 0.002 | < 0.2 | 4.61 | < 5 | 630 | < 0.5 | < 2 | 2.24 | 1.0 | 35 | 53 | 18 | 7.04 | 20 | < 1 | 0.18 | 20 | 3.95 | 715 |
| 1874 | 208 | 294 | < 0.002 | 0.4 | 0.74 | < 5 | 260 | < 0.5 | < 2 | 0.14 | < 0.5 | 2 | 78 | < 1 | 1.48 | 10 | < 1 | 0.49 | 20 | 0.19 | 100 |
| 1875 | 208 | 294 | < 0.002 | 1.0 | 0.41 | < 5 | 1200 | < 0.5 | 2 | 0.03 | < 0.5 | 1 | 219 | 1 | 0.71 | < 10 | < 1 | 0.38 | 20 | 0.04 | 35 |
| 1877 | 208 | 294 | 0.020 | 1.0 | 0.43 | < 5 | 500 | < 0.5 | < 2 | 0.02 | < 0.5 | 1 | 217 | < 1 | 0.86 | < 10 | < 1 | 0.40 | 20 | 0.04 | 35 |
| 1878 | 208 | 294 | 0.004 | 0.8 | 0.60 | < 5 | 770 | < 0.5 | 2 | 0.03 | < 0.5 | 1 | 155 | < 1 | 1.07 | < 10 | < 1 | 0.46 | 30 | 0.05 | 45 |
| 1879 | 208 | 294 | 0.002 | 1.0 | 0.39 | < 5 | 450 | 0.5 | 2 | 0.02 | < 0.5 | 1 | 135 | 3 | 0.63 | < 10 | < 1 | 0.44 | 30 | 0.03 | 20 |
| 1880 | 208 | 294 | 0.065 | 1.4 | 0.25 | < 5 | 460 | 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 231 | < 1 | 0.62 | < 10 | < 1 | 0.30 | 10 | 0.01 | 20 |
| 1881 | 208 | 294 | 0.002 | 0.6 | 0.04 | < 5 | 230 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 408 | < 1 | 0.42 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 25 |
| 1882 | 208 | 294 | < 0.002 | 0.8 | 0.80 | < 5 | 360 | < 0.5 | 2 | 0.14 | < 0.5 | 1 | 170 | 1 | 0.77 | < 10 | < 1 | 0.18 | 10 | 0.40 | 55 |
| 1883 | 208 | 294 | < 0.002 | 0.8 | 0.95 | < 5 | 930 | < 0.5 | 2 | 0.32 | < 0.5 | 1 | 210 | < 1 | 1.04 | 10 | < 1 | 0.29 | 20 | 0.43 | 55 |
| 1884 | 208 | 294 | < 0.002 | 0.4 | 0.89 | < 5 | 610 | < 0.5 | 2 | 0.15 | < 0.5 | 1 | 210 | < 1 | 0.94 | 10 | < 1 | 0.27 | 10 | 0.29 | 50 |
| 1885 | 208 | 294 | < 0.002 | 0.6 | 0.77 | 5 | 880 | < 0.5 | 4 | 0.11 | < 0.5 | 1 | 177 | < 1 | 0.94 | 10 | < 1 | 0.29 | 10 | 0.17 | 55 |
| 1886 | 208 | 294 | < 0.002 | 0.8 | 0.74 | < 5 | 760 | < 0.5 | 2 | 0.33 | < 0.5 | 1 | 152 | < 1 | 0.91 | 10 | < 1 | 0.31 | 30 | 0.20 | 55 |
| 1888 | 208 | 294 | < 0.002 | 0.2 | 0.58 | < 5 | 710 | < 0.5 | < 2 | 0.05 | < 0.5 | 1 | 211 | 2 | 0.82 | < 10 | < 1 | 0.25 | 20 | 0.09 | 40 |
| 1889 | 208 | 294 | < 0.002 | 0.2 | 0.42 | 5 | 670 | < 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 133 | 1 | 0.60 | < 10 | < 1 | 0.21 | 20 | 0.04 | 20 |
| 1890 | 208 | 294 | < 0.002 | < 0.2 | 0.42 | 5 | 420 | < 0.5 | < 2 | 0.05 | < 0.5 | < 1 | 142 | 1 | 0.69 | < 10 | < 1 | 0.20 | 10 | 0.04 | 20 |
| 1891 | 208 | 294 | < 0.002 | < 0.2 | 0.42 | < 5 | 400 | < 0.5 | < 2 | 0.04 | < 0.5 | 1 | 193 | 2 | 0.65 | < 10 | < 1 | 0.23 | 10 | 0.04 | 25 |
| 1892 | 208 | 294 | < 0.002 | < 0.2 | 0.49 | 5 | 480 | < 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 206 | 3 | 0.78 | < 10 | < 1 | 0.27 | 20 | 0.04 | 35 |
| 1893 | 208 | 294 | < 0.002 | < 0.2 | 0.44 | 5 | 510 | < 0.5 | < 2 | 0.05 | < 0.5 | < 1 | 236 | 1 | 0.67 | < 10 | < 1 | 0.17 | 10 | 0.04 | 35 |
| 1894 | 208 | 294 | < 0.002 | < 0.2 | 0.50 | 5 | 540 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 182 | 1 | 0.59 | < 10 | < 1 | 0.25 | 10 | 0.05 | 25 |
| 1895 | 208 | 294 | < 0.002 | 0.2 | 0.38 | < 5 | 580 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 190 | < 1 | 0.35 | < 10 | < 1 | 0.41 | 20 | 0.02 | 35 |
| 1896 | 208 | 294 | < 0.002 | 0.2 | 0.51 | 5 | 570 | < 0.5 | < 2 | 0.02 | < 0.5 | 1 | 171 | 2 | 0.69 | < 10 | < 1 | 0.42 | 20 | 0.06 | 50 |
| 1897 | 208 | 294 | < 0.002 | 0.2 | 0.56 | 5 | 2260 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 192 | 1 | 0.71 | < 10 | < 1 | 0.36 | 30 | 0.08 | 70 |
| 1898 | 208 | 294 | < 0.002 | 0.4 | 0.38 | 10 | 3600 | < 0.5 | 2 | 0.03 | < 0.5 | 1 | 259 | 2 | 0.59 | < 10 | < 1 | 0.21 | 20 | 0.03 | 45 |
| 1899 | 208 | 294 | < 0.002 | 0.6 | 0.50 | 5 | 860 | < 0.5 | 2 | 0.03 | < 0.5 | < 1 | 225 | 1 | 0.63 | < 10 | < 1 | 0.26 | 20 | 0.04 | 45 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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ARBOR RESOURCES INC.
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1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2


Invoice Date: 3-OCT-90
Invoice No. : I-9023700
P.O. Number :

Project : AORDAW
Comments: ATTN: LARRY McLEAN CC: A. TROUP

## CERTIFICATE OF ANALYSIS A9023700

| SAMPLE DESCRIPTION | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1858 | 208 294 | < 1 | 0.02 | 1 | 300 | 14 | < 5 | 3 | 65 | < 0.01 | < 10 | < 10 | 3 | < 10 | 52 |
| 1859 | 208 294 | < 1 | 0.04 | 3 | 350 | 6 | < 5 | 5 | 13 | < 0.01 | < 10 | < 10 | 11 | < 10 | 46 |
| 1860 | 208 294 | < 1 | 0.03 | 3 | 460 | 10 | < 5 | 6 | 36 | < 0.01 | < 10 | < 10 | 10 | < 10 | 70 |
| 1861 | 208 294 | < 1 | < 0.01 | 4 | 20 | 4 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 2 |
| 1862 | 208 294 | < 1 | 0.03 | 4 | 430 | 20 | < 5 | 5 | 84 | < 0.01 | < 10 | < 10 | 8 | < 10 | 82 |
| 1863 | 208 294 | < 1 | 0.04 | 2 | 500 | 10 | < 5 | 6 | 121 | < 0.01 | < 10 | < 10 | 9 | < 10 | 90 |
| 1864 | 208 294 | < 1 | 0.05 | 3 | 480 | 8 | < 5 | 6 | 70 | 0.02 | < 10 | < 10 | 13 | < 10 | 78 |
| 1865 | 208 294 | < 1 | 0.06 | 3 | 410 | 2 | < 5 | 5 | 64 | 0.01 | < 10 | < 10 | 11 | < 10 | 52 |
| 1866 | 208 294 | < 1 | 0.08 | 3 | 480 | 6 | < 5 | 5 | 87 | 0.09 | < 10 | < 10 | 15 | < 10 | 74 |
| 1867 | 208 294 | 1 | 0.01 | 3 | 120 | 20 | < 5 | 1 | 9 | < 0.01 | < 10 | < 10 | 2 | < 10 | 20 |
| 1868 | 208 294 | < 1 | 0.01 | 3 | 50 | 12 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 8 |
| 1869 | 208 294 | < 1 | 0.02 | 2 | 100 | 4 | < 5 | 2 | 8 | 0.01 | < 10 | < 10 | 4 | < 10 | 24 |
| 1870 | 208 294 | < 1 | 0.02 | 1 | 120 | 10 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | 2 | < 10 | 24 |
| 1871 | 208 294 | < 1 | 0.03 | 2 | 140 | 16 | < 5 | 3 | 7 | < 0.01 | < 10 | < 10 | 3 | < 10 | 32 |
| 1872 | 208 294 | < 1 | 0.38 | 31 | 980 | < 2 | 5 | 18 | 206 | 0.16 | < 10 | < 10 | 123 | < 10 | 84 |
| 1873 | 208 294 | < 1 | 0.15 | 41 | 1240 | < 2 | < 5 | 16 | 190 | 0.08 | < 10 | < 10 | 150 | < 10 | 102 |
| 1874 | 208 294 | < 1 | 0.02 | 1 | 150 | 12 | < 5 | 3 | 14 | 0.03 | < 10 | < 10 | 8 | < 10 | 38 |
| 1875 | 208 294 | < 1 | 0.02 | 2 | 70 | 4 | < 5 | 1 | 9 | < 0.01 | < 10 | < 10 | 2 | < 10 | 10 |
| 1877 | 208 294 | < 1 | 0.01 | 2 | 80 | 12 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | 2 | < 10 | 18 |
| 1878 | 208 294 | < 1 | 0.01 | 1 | 110 | 12 | < 5 | 2 | 9 | < 0.01 | < 10 | < 10 | 2 | < 10 | 28 |
| 1879 | 208 294 | < 1 | 0.01 | 2 | 70 | 6 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | 1 | < 10 | 10 |
| 1880 | 208 294 | < 1 | < 0.01 | 2 | 40 | 6 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | 1 | < 10 | 6 |
| 1881 | 208 294 | < 1 | < 0.01 | 5 | 10 | 2 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 2 |
| 1882 | 208 294 | < 1 | 0.03 | 3 | 80 | 10 | < 5 | 2 | 16 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 68 |
| 1883 | 208 294 | < 1 | 0.03 | 2 | 70 | 18 | < 5 | 3 | 43 | < 0.01 | < 10 | < 10 | 1 | < 10 | 66 |
| 1884 | 208 294 | < 1 | 0.04 | 3 | 80 | 14 | < 5 | 3 | 35 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 54 |
| 1885 | 208 294 | < 1 | 0.04 | 2 | 80 | 18 | < 5 | 4 | 27 | < 0.01 | < 10 | < 10 | 1 | < 10 | 64 |
| 1886 | 208 294 | < 1 | 0.03 | 2 | 70 | 12 | < 5 | 3 | 38 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 56 |
| 1888 | 208 294 | < 1 | 0.05 | 2 | 80 | 12 | < 5 | 3 | 11 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 38 |
| 1889 | 208 294 | < 1 | 0.03 | 1 | 60 | 12 | < 5 | 3 | 10 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 20 |
| 1890 | 208 294 | < 1 | 0.04 | 1 | 60 | 26 | < 5 | 3 | 10 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 24 |
| 1891 | 208 294 | < 1 | 0.03 | 3 | 50 | 16 | < 5 | 3 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 18 |
| 1892 | 208 294 | < 1 | 0.03 | 2 | 50 | 14 | < 5 | 3 | 6 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 24 |
| 1893 | 208 294 | < 1 | 0.03 | 3 | 50 | 12 | < 5 | 3 | 12 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 20 |
| 1894 | 208 294 | < 1 | 0.03 | 2 | 60 | 8 | < 5 | 2 | 6 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 20 |
| 1895 | 208 294 | < 1 | 0.03 | 2 | 50 | 12 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 14 |
| 1896 | 208 294 | < 1 | 0.02 | 2 | 80 | 20 | < 5 | 2 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 34 |
| 1897 | 208 294 | < 1 | 0.01 | 3 | 80 | 24 | < 5 | 3 | 17 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 38 |
| 1898 | 208 294 | < 1 | 0.02 | 3 | 50 | 14 | < 5 | 1 | 26 | < 0.01 | < 10 | < 10 | 1 | < 10 | 26 |
| 1899 | 208 294 | < 1 | 0.04 | 3 | 60 | 14 | < 5 | 2 | 7 | < 0.01 | 10 | < 10 | < 1 | < 10 | 32 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

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To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2


Invoice Date: 3-OCT-90
Invoice No. : I-9023700
P.O. Number :

Project : AORDAW
Comments: ATTN: LARRY McLEAN CC: A. TROUP

## CERTIFICATE OF ANALYSIS A9023700

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1900 | 208 | 294 | < 0.002 | 0.4 | 0.59 | 15 | 750 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 105 | 1 | 0.75 | < 10 | < 1 | 0.31 | 20 | 0.07 | 55 |
| 24477 | 208 | 294 | < 0.002 | 0.2 | 0.46 | < 5 | 380 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 227 | 1 | 0.63 | < 10 | < 1 | 0.25 | 10 | 0.07 | 60 |
| 24478 | 208 | 294 | < 0.002 | 0.6 | 0.58 | 5 | 400 | < 0.5 | < 2 | 0.04 | < 0.5 | 1 | 157 | 7 | 0.85 | < 10 | < 1 | 0.25 | 10 | 0.15 | 45 |
| 24479 | 208 | 294 | < 0.002 | 1.0 | 0.71 | < 5 | 2060 | < 0.5 | 2 | 0.04 | 0.5 | 1 | 164 | 5 | 1.22 | < 10 | < 1 | 0.35 | 10 | 0.16 | 45 |
| 24480 | 208 | 294 | 0.010 | 0.4 | 0.29 | < 5 | 260 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 192 | < 1 | 0.44 | < 10 | < 1 | 0.15 | 10 | 0.06 | 25 |
| 24481 | 208 | 294 | 0.189 | 0.4 | 0.22 | < 5 | 240 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 292 | < 1 | 0.39 | < 10 | < 1 | 0.13 | < 10 | 0.02 | 20 |
| 24482 | 208 | 294 | 0.006 | 1.0 | 0.84 | < 5 | 490 | < 0.5 | < 2 | 0.04 | < 0.5 | 1 | 142 | 9 | 1.03 | < 10 | < 1 | 0.29 | 20 | 0.32 | 45 |
| 24483 | 208 | 294 | < 0.002 | 0.8 | 0.96 | < 5 | 630 | < 0.5 | < 2 | 0.05 | 0.5 | 1 | 167 | 9 | 1.13 | < 10 | < 1 | 0.32 | 10 | 0.42 | 55 |
| 24484 | 208 | 294 | 0.021 | 3.8 | 0.43 | 5 | 320 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 144 | 4 | 0.66 | < 10 | < 1 | 0.17 | 10 | 0.17 | 35 |
| 24485 | 208 | 294 | 0.060 | 14.2 | 0.11 | 5 | 200 | < 0.5 | < 2 | < 0.01 | 2.0 | < 1 | 241 | 4 | 1.05 | < 10 | < 1 | 0.03 | < 10 | 0.01 | 30 |
| 24486 | 208 | 294 | 0.024 | 1.8 | 0.68 | < 5 | 570 | < 0.5 | < 2 | 0.24 | 0.5 | 1 | 101 | 4 | 0.97 | 10 | < 1 | 0.39 | 30 | 0.13 | 55 |
| 24487 | 208 | 294 | < 0.002 | 1.2 | 0.84 | 5 | 570 | < 0.5 | < 2 | 0.04 | 0.5 | 1 | 112 | 10 | 1.09 | 10 | < 1 | 0.38 | 20 | 0.27 | 45 |
| 24488 | 208 | 294 | < 0.002 | 3.8 | 0.95 | 5 | 710 | < 0.5 | < 2 | 0.15 | < 0.5 | 1 | 83 | 19 | 1.08 | < 10 | < 1 | 0.32 | 30 | 0.37 | 55 |
| 24489 | 208 | 294 | < 0.002 | 3.0 | 0.90 | 5 | 650 | < 0.5 | < 2 | 0.13 | < 0.5 | 1 | 108 | 14 | 1.05 | 10 | < 1 | 0.34 | 20 | 0.31 | 50 |
| 24490 | 208 | 294 | < 0.002 | 0.6 | 4.54 | 30 | 640 | < 0.5 | < 2 | 0.74 | 1.0 | 21 | 57 | 17 | 4.89 | 10 | < 1 | 0.21 | 20 | 1.60 | 435 |
| 24491 | 208 | 294 | < 0.002 | < 0.2 | 3.88 | < 5 | 280 | < 0.5 | < 2 | 1.55 | 0.5 | 30 | 39 | 21 | 5.53 | 10 | < 1 | 0.12 | 20 | 2.48 | 420 |
| 24492 | 208 | 294 | < 0.002 | 0.8 | 1.81 | < 5 | 440 | < 0.5 | < 2 | 0.48 | < 0.5 | 9 | 70 | 15 | 2.57 | 10 | < 1 | 0.25 | 20 | 0.99 | 170 |
| 24493 | 208 | 294 | < 0.002 | 0.4 | 0.68 | 5 | 410 | < 0.5 | < 2 | 0.11 | < 0.5 | 5 | 144 | 5 | 1.38 | < 10 | < 1 | 0.30 | 10 | 0.13 | 90 |
| 24494 | 208 | 294 | 1.248 | 2.2 | 0.10 | < 5 | 100 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 100 | 2 | 0.73 | < 10 | < 1 | 0.03 | < 10 | 0.02 | 35 |
| 24495 | 208 | 294 | 0.002 | 0.8 | 0.46 | 35 | 770 | < 0.5 | < 2 | 0.02 | < 0.5 | 1 | 84 | 3 | 0.98 | < 10 | < 1 | 0.29 | 10 | 0.04 | 40 |
| 24496 | 208 | 294 | < 0.002 | 0.2 | 0.70 | < 5 | 400 | < 0.5 | < 2 | 0.32 | < 0.5 | 2 | 130 | 1 | 1.46 | < 10 | < 1 | 0.28 | 10 | 0.25 | 175 |
| 24497 | 208 | 294 | < 0.002 | < 0.2 | 1.19 | 5 | 400 | < 0.5 | < 2 | 0.25 | 0.5 | 5 | 99 | 5 | 2.34 | 10 | < 1 | 0.26 | 20 | 0.30 | 150 |
| 24498 | 208 | 294 | < 0.002 | 0.2 | 1.29 | 10 | 550 | < 0.5 | 2 | 0.24 | < 0.5 | 6 | 83 | 8 | 2.66 | 10 | < 1 | 0.29 | 20 | 0.36 | 175 |
| 24499 | 208 | 294 | < 0.002 | 0.2 | 1.37 | < 5 | 970 | < 0.5 | 2 | 1.51 | 0.5 | 6 | 62 | 6 | 2.42 | 10 | < 1 | 0.24 | 20 | 0.82 | 285 |
| 24500 | 208 | 294 | < 0.002 | 0.2 | 1.21 | < 5 | 630 | < 0.5 | < 2 | 1.17 | < 0.5 | 6 | 110 | 6 | 2.14 | 10 | < 1 | 0.28 | 20 | 0.58 | 260 |
| 37801 | 208 | 294 | 0.121 | 2.8 | 0.11 | < 5 | 580 | < 0.5 | 2 | 0.48 | < 0.5 | 1 | 236 | 1 | 0.74 | < 10 | < 1 | 0.02 | < 10 | 0.25 | 250 |
| 37802 | 208 | 294 | < 0.002 | 0.6 | 0.55 | < 5 | 250 | < 0.5 | < 2 | 0.10 | < 0.5 | 1 | 47 | 6 | 0.74 | 10 | < 1 | 0.24 | 40 | 0.27 | 75 |
| 37803 | 208 | 294 | < 0.002 | 0.6 | 0.51 | < 5 | 420 | < 0.5 | < 2 | 0.19 | < 0.5 | 1 | 86 | 4 | 0.51 | 10 | < 1 | 0.33 | 40 | 0.16 | 80 |
| 37804 | 208 | 294 | < 0.002 | 0.4 | 0.58 | 60 | 610 | < 0.5 | 2 | 0.09 | 0.5 | 19 | 467 | 19 | 1.41 | < 10 | < 1 | 0.16 | 20 | 0.14 | 255 |
| 37805 | 208 | 294 | < 0.002 | 0.4 | 0.99 | < 5 | 1050 | < 0.5 | < 2 | 1.43 | 0.5 | 10 | 114 | 25 | 3.00 | 10 | < 1 | 0.53 | 40 | 0.95 | 560 |
| 38956 | 208 | 294 | < 0.002 | 0.8 | 0.77 | < 5 | 580 | < 0.5 | 2 | 0.08 | < 0.5 | 1 | 99 | 3 | 0.66 | 10 | < 1 | 0.40 | 30 | 0.08 | 185 |
| 39222 | 208 | 294 | < 0.002 | 0.2 | 0.37 | 5 | 580 | < 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 158 | 1 | 0.45 | < 10 | < 1 | 0.27 | 10 | 0.04 | 45 |
| 39223 | 208 | 294 | < 0.002 | 0.4 | 0.40 | < 5 | 570 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 95 | 1 | 0.49 | < 10 | < 1 | 0.30 | 20 | 0.04 | 35 |
| 39224 | 208 | 294 | 0.004 | 0.2 | 0.39 | 10 | 610 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 172 | 1 | 0.70 | < 10 | < 1 | 0.28 | 20 | 0.03 | 30 |
| 39226 | 208 | 294 | < 0.002 | 0.2 | 0.31 | < 5 | 430 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 154 | 1 | 0.45 | < 10 | < 1 | 0.23 | 10 | 0.03 | 25 |
| 39227 | 208 | 294 | < 0.002 | 0.4 | 0.49 | < 5 | 680 | < 0.5 | 2 | 0.03 | < 0.5 | < 1 | 125 | 2 | 0.71 | < 10 | < 1 | 0.32 | 20 | 0.06 | 35 |
| 39228 | 208 | 294 | < 0.002 | 0.4 | 0.42 | < 5 | 500 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 105 | 1 | 0.58 | < 10 | < 1 | 0.29 | 20 | 0.04 | 35 |
| 39230 | 208 | 294 | < 0.002 | 0.2 | 0.44 | < 5 | 910 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 88 | 1 | 0.68 | < 10 | < 1 | 0.28 | 20 | 0.04 | 25 |
| 39231 | 208 | 294 | < 0.002 | 0.2 | 0.46 | < 5 | 1360 | < 0.5 | 2 | 0.03 | < 0.5 | < 1 | 79 | 1 | 0.77 | < 10 | < 1 | 0.24 | 30 | 0.06 | 35 |
| 39232 | 208 | 294 | < 0.002 | 0.4 | 0.40 | < 5 | 710 | < 0.5 | 2 | 0.02 | < 0.5 | < 1 | 71 | 1 | 0.68 | < 10 | < 1 | 0.27 | 20 | 0.04 | 25 |

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V6B 1N2

Project : AORDAW
Comments: ATTN: LARRY McLEAN CC: A. TROUP


Invoice Date: 3-OCT-90
Invoice No. : I-9023700
P.O. Number :

## CERTIFICATE OF ANALYSIS A9023700

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39233 | 208 | 294 | < 0.002 | 0.4 | 0.73 | < 5 | 870 | < 0.5 | 2 | 0.04 | < 0.5 | < 1 | 66 | 1 | 0.79 | < 10 | < 1 | 0.42 | 20 | 0.07 | 30 |
| 39235 | 208 | 294 | < 0.002 | 0.2 | 0.43 | < 5 | 560 | < 0.5 | < 2 | 0.13 | < 0.5 | < 1 | 70 | < 1 | 0.56 | < 10 | < 1 | 0.20 | 20 | 0.12 | 40 |
| 39237 | 208 | 294 | < 0.002 | < 0.2 | 0.14 | < 5 | 140 | < 0.5 | 2 | 0.01 | < 0.5 | < 1 | 416 | < 1 | 0.43 | < 10 | < 1 | 0.03 | < 10 | 0.01 | 25 |
| 39238 | 208 | 294 | < 0.002 | 0.4 | 0.21 | 5 | 400 | < 0.5 | 2 | 0.01 | < 0.5 | < 1 | 143 | < 1 | 0.41 | < 10 | < 1 | 0.13 | 10 | 0.02 | 25 |
| 39239 | 208 | 294 | < 0.002 | 0.6 | 0.26 | < 5 | 420 | < 0.5 | 2 | 0.01 | < 0.5 | < 1 | 339 | < 1 | 0.51 | < 10 | < 1 | 0.12 | < 10 | 0.02 | 30 |
| 39240 | 208 | 294 | < 0.002 | 0.4 | 0.15 | < 5 | 750 | < 0.5 | 2 | 0.01 | < 0.5 | < 1 | 253 | 1 | 0.44 | < 10 | < 1 | 0.09 | < 10 | 0.02 | 25 |
| 39241 | 208 | 294 | 0.006 | 0.8 | 0.26 | < 5 | 310 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 373 | < 1 | 0.56 | < 10 | < 1 | 0.11 | < 10 | 0.01 | 25 |
| 39242 | 208 | 294 | 0.002 | 0.4 | 0.14 | < 5 | 170 | < 0.5 | 2 | 0.01 | < 0.5 | < 1 | 257 | 1 | 0.50 | < 10 | < 1 | 0.07 | < 10 | 0.01 | 25 |
| 39244 | 208 | 294 | 0.004 | 0.2 | 0.56 | 45 | 570 | < 0.5 | 2 | 0.07 | < 0.5 | 1 | 237 | 1 | 0.52 | < 10 | < 1 | 0.30 | 20 | 0.05 | 105 |
| 39245 | 208 | 294 | 0.002 | 0.2 | 0.10 | 40 | 170 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 220 | 1 | 0.37 | < 10 | < 1 | 0.04 | < 10 | 0.01 | 40 |
| 39246 | 208 | 294 | < 0.002 | 0.4 | 0.59 | 75 | 620 | < 0.5 | 2 | 0.02 | 0.5 | < 1 | 186 | 1 | 0.51 | < 10 | < 1 | 0.37 | 20 | 0.04 | 70 |
| 39247 | 208 | 294 | < 0.002 | 0.6 | 0.37 | 60 | 840 | < 0.5 | < 2 | 0.03 | 0.5 | < 1 | 95 | < 1 | 0.43 | < 10 | < 1 | 0.31 | 30 | 0.02 | 60 |
| 39248 | 208 | 294 | < 0.002 | 0.6 | 0.63 | 30 | 570 | 0.5 | 2 | 0.16 | < 0.5 | < 1 | 116 | 1 | 0.52 | < 10 | < 1 | 0.45 | 30 | 0.05 | 85 |
| 39250 | 208 | 294 | 0.002 | 0.8 | 0.39 | 30 | 340 | < 0.5 | 2 | 0.70 | < 0.5 | < 1 | 100 | < 1 | 0.48 | 10 | < 1 | 0.31 | 40 | 0.03 | 75 |
| 39251 | 208 | 294 | < 0.002 | 0.6 | 1.11 | < 5 | 720 | 1.0 | 2 | 0.53 | < 0.5 | 10 | 108 | 20 | 1.97 | 10 | < 1 | 0.82 | 30 | 0.51 | 300 |
| 39252 | 208 | 294 | < 0.002 | 0.4 | 0.44 | 5 | 290 | 1.0 | 2 | 0.07 | < 0.5 | 1 | 118 | 9 | 0.92 | < 10 | < 1 | 0.19 | 30 | 0.07 | 55 |
| 39253 | 208 | 294 | < 0.002 | 0.6 | 0.63 | 5 | 320 | 0.5 | 2 | 0.04 | < 0.5 | 1 | 164 | 13 | 1.04 | < 10 | < 1 | 0.51 | 20 | 0.15 | 55 |
| 39254 | 208 | 294 | 0.002 | 0.6 | 0.48 | < 5 | 1160 | < 0.5 | 2 | 0.02 | < 0.5 | 1 | 105 | 4 | 0.73 | < 10 | < 1 | 0.25 | 20 | 0.33 | 90 |
| 39255 | 208 | 294 | < 0.002 | 0.6 | 0.69 | < 5 | 1360 | 0.5 | 2 | 0.02 | < 0.5 | 1 | 201 | 3 | 0.75 | < 10 | < 1 | 0.37 | 20 | 0.35 | 90 |
| 39256 | 208 | 294 | 0.069 | 2.4 | 0.05 | < 5 | 70 | < 0.5 | 2 | < 0.01 | < 0.5 | < 1 | 295 | 1 | 0.39 | < 10 | < 1 | < 0.01 | < 10 | 0.01 | 15 |
| 39257 | 208 | 294 | 0.029 | 2.0 | 0.24 | 5 | 690 | < 0.5 | < 2 | 0.03 | 0.5 | 1 | 154 | 3 | 1.21 | < 10 | < 1 | 0.19 | < 10 | 0.02 | 45 |
| 39258 | 208 | 294 | 0.002 | 0.2 | 0.25 | 435 | 160 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 150 | 3 | 0.66 | < 10 | < 1 | 0.19 | 10 | 0.08 | 75 |
| 39259 | 208 | 294 | < 0.002 | 0.2 | 0.45 | 450 | 220 | < 0.5 | 2 | 0.09 | < 0.5 | 1 | 271 | 5 | 0.88 | < 10 | < 1 | 0.25 | 10 | 0.11 | 110 |
| 39260 | 208 | 294 | < 0.002 | < 0.2 | 0.12 | 25 | 120 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 200 | < 1 | 0.44 | < 10 | < 1 | 0.09 | < 10 | < 0.01 | 55 |
| 39263 | 208 | 294 | 0.002 | 0.4 | 0.55 | 90 | 450 | 0.5 | < 2 | 0.02 | 0.5 | < 1 | 179 | 1 | 0.54 | < 10 | < 1 | 0.49 | 40 | 0.03 | 65 |
| 39264 | 208 | 294 | 0.008 | 0.6 | 0.07 | 5 | 110 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 256 | 1 | 0.38 | < 10 | < 1 | 0.02 | < 10 | < 0.01 | 30 |
| 39265 | 208 | 294 | < 0.002 | < 0.2 | 0.43 | 10 | 400 | < 0.5 | < 2 | 0.05 | < 0.5 | < 1 | 157 | 1 | 0.79 | < 10 | < 1 | 0.36 | 20 | 0.02 | 45 |
| 39266 | 208 | 294 | < 0.002 | < 0.2 | 0.05 | < 5 | 100 | < 0.5 | 2 | < 0.01 | < 0.5 | < 1 | 286 | < 1 | 0.33 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 25 |
| 39267 | 208 | 294 | 0.017 | >200 | 0.06 | 5 | 2890 | < 0.5 | < 2 | 0.04 | 9.5 | 1 | 359 | 482 | 0.50 | < 10 | < 1 | < 0.01 | < 10 | 0.01 | 35 |
| 39268 | 208 | 294 | < 0.002 | 5.8 | 0.17 | < 5 | 3770 | < 0.5 | < 2 | 3.52 | < 0.5 | 1 | 250 | 9 | 0.64 | < 10 | < 1 | 0.02 | < 10 | 0.10 | 430 |
| 39269 | 208 | 294 | 0.006 | 3.0 | 0.02 | < 5 | 520 | < 0.5 | 2 | 0.04 | 1.0 | < 1 | 418 | 3 | 0.49 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 30 |
| 39270 | 208 | 294 | < 0.002 | < 0.2 | 0.07 | 20 | 170 | < 0.5 | < 2 | 0.05 | < 0.5 | 3 | 368 | 4 | 0.95 | < 10 | < 1 | < 0.01 | < 10 | 0.02 | 555 |
| 39301 | 208 | 294 | < 0.002 | 0.6 | 0.57 | 135 | 460 | < 0.5 | < 2 | 0.04 | < 0.5 | 1 | 217 | 3 | 0.53 | < 10 | < 1 | 0.38 | 30 | 0.05 | 85 |
| 39302 | 208 | 294 | 0.002 | 0.6 | 0.36 | 90 | 650 | < 0.5 | < 2 | 0.49 | < 0.5 | 1 | 177 | 2 | 0.51 | < 10 | < 1 | 0.29 | 20 | 0.06 | 250 |
| 39303 | 208 | 294 | < 0.002 | < 0.2 | 2.65 | 35 | 900 | < 0.5 | < 2 | 2.80 | < 0.5 | 24 | 113 | 21 | 5.02 | 20 | < 1 | 0.16 | 20 | 2.22 | 775 |
| 39304 | 208 | 294 | 0.002 | 0.6 | 0.41 | 85 | 310 | < 0.5 | < 2 | 0.22 | < 0.5 | 1 | 121 | 1 | 0.56 | < 10 | < 1 | 0.34 | 40 | 0.07 | 295 |
| 39305 | 208 | 294 | 0.002 | 0.6 | 0.57 | 170 | 400 | < 0.5 | < 2 | 0.14 | < 0.5 | 2 | 150 | 5 | 0.78 | < 10 | < 1 | 0.26 | 40 | 0.22 | 125 |
| 39306 | 208 | 294 | 0.002 | 0.8 | 1.78 | 160 | 3190 | < 0.5 | 2 | 0.62 | < 0.5 | 7 | 113 | 12 | 1.84 | 10 | < 1 | 0.54 | 30 | 0.40 | 495 |
| 39307 | 208 | 294 | 0.002 | 0.2 | 2.05 | 130 | 960 | < 0.5 | < 2 | 0.41 | < 0.5 | 10 | 139 | 9 | 2.93 | 10 | < 1 | 0.38 | 30 | 1.03 | 490 |
| 39308 | 208 | 294 | 0.002 | 0.6 | 0.33 | 315 | 250 | < 0.5 | < 2 | 0.05 | < 0.5 | < 1 | 138 | 2 | 0.57 | < 10 | < 1 | 0.25 | 30 | 0.05 | 75 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

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ARBOR RESOURCES INC.
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Invoice Date: 3-OCT-90
Invoice No. : I-9023700
P.O. Number :

Project : AORDAW
Comments: ATTN: LARRY McLEAN CC: A. TROUP

## CERTIFICATE OF ANALYSIS A9023700

| SAMPLE DESCRIPTION | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39233 | 208 294 | < 1 | 0.06 | < 1 | 70 | 18 | < 5 | 4 | 8 | < 0.01 | < 10 | < 10 | 1 | < 10 | 38 |
| 39235 | 208 294 | 1 | 0.02 | 2 | 60 | 10 | < 5 | 2 | 14 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 32 |
| 39237 | 208 294 | < 1 | 0.01 | 3 | 10 | 6 | < 5 | < 1 | 1 | < 0.01 | < 10 | 10 | 1 | < 10 | 4 |
| 39238 | 208 294 | < 1 | 0.01 | 3 | 20 | 14 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 16 |
| 39239 | 208 294 | 1 | 0.01 | 4 | 20 | 6 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | 1 | < 10 | 10 |
| 39240 | 208 294 | 1 | < 0.01 | 4 | 20 | 6 | < 5 | < 1 | 5 | < 0.01 | < 10 | 10 | < 1 | < 10 | 14 |
| 39241 | 208 294 | < 1 | 0.03 | 4 | 20 | 10 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | 1 | < 10 | 10 |
| 39242 | 208 294 | 1 | 0.01 | 3 | 20 | 42 | < 5 | < 1 | 3 | < 0.01 | < 10 | 10 | 1 | < 10 | 14 |
| 39244 | 208 294 | < 1 | 0.03 | 3 | 20 | 14 | < 5 | 1 | 7 | < 0.01 | < 10 | < 10 | 1 | < 10 | 16 |
| 39245 | 208 294 | < 1 | 0.01 | 3 | < 10 | 14 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 12 |
| 39246 | 208 294 | < 1 | 0.06 | 3 | 30 | 14 | < 5 | 2 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 20 |
| 39247 | 208 294 | < 1 | 0.02 | 2 | 30 | 20 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 16 |
| 39248 | 208 294 | < 1 | 0.04 | 1 | 30 | 18 | < 5 | 2 | 15 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 18 |
| 39250 | 208 294 | < 1 | 0.02 | 2 | 40 | 14 | < 5 | 2 | 54 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 10 |
| 39251 | 208 294 | 1 | 0.02 | 9 | 760 | 6 | < 5 | 3 | 50 | 0.18 | < 10 | < 10 | 13 | < 10 | 34 |
| 39252 | 208 294 | < 1 | 0.05 | 3 | 70 | 14 | < 5 | 2 | 9 | 0.01 | < 10 | < 10 | 1 | < 10 | 28 |
| 39253 | 208 294 | < 1 | 0.05 | 1 | 80 | 14 | < 5 | < 1 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 12 |
| 39254 | 208 294 | < 1 | 0.03 | < 1 | 60 | 12 | < 5 | 1 | 10 | 0.01 | < 10 | < 10 | < 1 | < 10 | 14 |
| 39255 | 208 294 | < 1 | 0.07 | 2 | 50 | 10 | < 5 | 1 | 10 | 0.01 | < 10 | < 10 | 1 | < 10 | 14 |
| 39256 | 208 294 | < 1 | < 0.01 | 2 | < 10 | 54 | < 5 | < 1 | 1 | < 0.01 | 10 | < 10 | < 1 | < 10 | 8 |
| 39257 | 208 294 | 1 | 0.01 | 2 | 210 | 60 | < 5 | < 1 | 10 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 50 |
| 39258 | 208 294 | < 1 | 0.03 | 2 | 20 | 16 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 18 |
| 39259 | 208 294 | < 1 | 0.08 | 3 | 30 | 14 | < 5 | 1 | 10 | < 0.01 | < 10 | < 10 | 1 | < 10 | 22 |
| 39260 | 208 294 | < 1 | 0.02 | 3 | < 10 | 2 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 8 |
| 39263 | 208 294 | < 1 | 0.06 | 1 | 20 | 24 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | 3 | < 10 | 18 |
| 39264 | 208 294 | < 1 | < 0.01 | 3 | < 10 | 86 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 14 |
| 39265 | 208 294 | < 1 | 0.06 | 1 | 60 | 16 | < 5 | 1 | 10 | < 0.01 | < 10 | < 10 | 1 | < 10 | 16 |
| 39266 | 208 294 | < 1 | < 0.01 | 3 | < 10 | 2 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 2 |
| 39267 | 208 294 | 3 | < 0.01 | 3 | < 10 | 290 | 180 | < 1 | 23 | < 0.01 | < 10 | < 10 | < 1 | 20 | 428 |
| 39268 | 208 294 | < 1 | < 0.01 | 2 | 10 | 12 | 5 | 3 | 270 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 22 |
| 39269 | 208 294 | < 1 | < 0.01 | 5 | < 10 | 550 | < 5 | < 1 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 74 |
| 39270 | 208 294 | 1 | < 0.01 | 14 | 50 | 18 | < 5 | 2 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | 38 |
| 39301 | 208 294 | 1 | 0.05 | 2 | 40 | 16 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | 1 | < 10 | 16 |
| 39302 | 208 294 | < 1 | 0.03 | 4 | 40 | 12 | < 5 | 1 | 40 | < 0.01 | < 10 | < 10 | 1 | < 10 | 20 |
| 39303 | 208 294 | < 1 | 0.14 | 45 | 1620 | 2 | < 5 | 16 | 160 | 0.10 | < 10 | < 10 | 96 | < 10 | 84 |
| 39304 | 208 294 | < 1 | 0.02 | 3 | 60 | 6 | < 5 | 1 | 15 | < 0.01 | < 10 | < 10 | 3 | < 10 | 18 |
| 39305 | 208 294 | < 1 | 0.01 | 9 | 80 | 14 | < 5 | 3 | 12 | < 0.01 | < 10 | < 10 | 5 | < 10 | 26 |
| 39306 | 208 294 | 2 | 0.01 | 14 | 310 | 22 | < 5 | 6 | 66 | < 0.01 | < 10 | < 10 | 17 | < 10 | 74 |
| 39307 | 208 294 | 1 | 0.02 | 21 | 530 | 14 | < 5 | 6 | 35 | 0.02 | < 10 | < 10 | 37 | < 10 | 62 |
| 39308 | 208 294 | < 1 | 0.03 | 2 | 30 | 16 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 22 |

CERTIFICATION: B. Caughlin

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Page Number : 4-A
Total Pages : 5
Invoice Date: 3-OCT-90
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Project : AORDAW
Comments: ATTN: LARRY McLEAN CC: A. TROUP

## CERTIFICATE OF ANALYSIS A9023700

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39309 | 208 | 294 | < 0.002 | 1.0 | 3.35 | 85 | 740 | < 0.5 | < 2 | 1.97 | < 0.5 | 26 | 133 | 26 | 5.79 | 10 | < 1 | 0.14 | 30 | 2.70 | 830 |
| 39310 | 208 | 294 | 0.006 | 0.8 | 2.94 | 85 | 600 | < 0.5 | < 2 | 2.19 | < 0.5 | 19 | 198 | 34 | 4.34 | < 10 | < 1 | 0.25 | 20 | 2.48 | 660 |
| 39311 | 208 | 294 | < 0.002 | 0.4 | 2.73 | 20 | 1630 | < 0.5 | < 2 | 3.68 | < 0.5 | 28 | 335 | 49 | 3.91 | < 10 | < 1 | 0.11 | < 10 | 3.98 | 670 |
| 39312 | 208 | 294 | < 0.002 | 0.4 | 2.38 | 10 | 240 | < 0.5 | < 2 | 3.66 | < 0.5 | 27 | 333 | 40 | 4.34 | < 10 | < 1 | 0.10 | < 10 | 4.11 | 840 |
| 39313 | 208 | 294 | < 0.002 | 0.2 | 2.36 | 5 | 340 | < 0.5 | < 2 | 4.94 | < 0.5 | 30 | 359 | 46 | 4.41 | < 10 | < 1 | 0.28 | < 10 | 4.01 | 785 |
| 39314 | 208 | 294 | < 0.002 | 0.2 | 2.38 | < 5 | 1720 | < 0.5 | < 2 | 4.44 | < 0.5 | 24 | 271 | 36 | 4.07 | < 10 | < 1 | 0.25 | < 10 | 3.41 | 710 |
| 39315 | 208 | 294 | < 0.002 | 0.2 | 2.56 | < 5 | 780 | < 0.5 | < 2 | 2.83 | < 0.5 | 30 | 425 | 46 | 3.38 | < 10 | < 1 | 0.13 | < 10 | 3.55 | 535 |
| 39316 | 208 | 294 | < 0.002 | < 0.2 | 2.66 | < 5 | 200 | < 0.5 | < 2 | 0.64 | < 0.5 | 24 | 461 | 41 | 3.92 | < 10 | < 1 | 0.07 | 10 | 3.35 | 390 |
| 39317 | 208 | 294 | < 0.002 | 0.6 | 1.81 | < 5 | 320 | < 0.5 | < 2 | 8.18 | < 0.5 | 19 | 298 | 41 | 2.36 | < 10 | < 1 | 0.13 | < 10 | 2.46 | 880 |
| 39318 | 208 | 294 | < 0.002 | 0.4 | 1.03 | < 5 | 220 | < 0.5 | < 2 | 4.62 | < 0.5 | 7 | 150 | 20 | 1.77 | < 10 | < 1 | 0.23 | < 10 | 0.85 | 585 |
| 39319 | 208 | 294 | < 0.002 | < 0.2 | 1.08 | < 5 | 440 | < 0.5 | < 2 | 1.43 | < 0.5 | 9 | 127 | 6 | 1.96 | < 10 | < 1 | 0.39 | 20 | 0.54 | 275 |
| 39320 | 208 | 294 | < 0.002 | < 0.2 | 1.17 | < 5 | 340 | < 0.5 | < 2 | 0.88 | < 0.5 | 7 | 100 | 5 | 1.89 | < 10 | < 1 | 0.21 | 10 | 0.61 | 245 |
| 39321 | 208 | 294 | < 0.002 | < 0.2 | 1.15 | < 5 | 340 | < 0.5 | < 2 | 1.10 | < 0.5 | 3 | 98 | 3 | 1.51 | < 10 | < 1 | 0.21 | 10 | 0.67 | 200 |
| 39322 | 208 | 294 | < 0.002 | 0.2 | 0.87 | < 5 | 490 | < 0.5 | < 2 | 1.14 | < 0.5 | 2 | 151 | 4 | 1.15 | < 10 | < 1 | 0.28 | 10 | 0.43 | 175 |
| 39323 | 208 | 294 | < 0.002 | 0.4 | 0.99 | < 5 | 400 | < 0.5 | < 2 | 2.11 | < 0.5 | 3 | 150 | 5 | 1.72 | < 10 | < 1 | 0.18 | 20 | 0.40 | 280 |
| 39324 | 208 | 294 | < 0.002 | 0.4 | 1.30 | < 5 | 670 | < 0.5 | 2 | 1.64 | < 0.5 | 4 | 132 | 4 | 2.31 | < 10 | < 1 | 0.16 | 20 | 0.66 | 265 |
| 39325 | 208 | 294 | < 0.002 | 0.2 | 1.14 | < 5 | 480 | < 0.5 | < 2 | 1.37 | < 0.5 | 4 | 134 | 8 | 2.06 | < 10 | < 1 | 0.30 | 20 | 0.44 | 230 |
| 39326 | 208 | 294 | < 0.002 | 0.8 | 0.98 | < 5 | 570 | < 0.5 | < 2 | 2.53 | < 0.5 | 3 | 107 | 5 | 1.73 | < 10 | < 1 | 0.37 | 10 | 0.34 | 290 |
| 39551 | 208 | 294 | < 0.002 | 0.6 | 0.63 | 5 | 760 | < 0.5 | < 2 | 0.11 | < 0.5 | 5 | 316 | 8 | 1.28 | < 10 | < 1 | 0.27 | 10 | 0.20 | 630 |
| 39552 | 208 | 294 | 0.010 | 2.4 | 0.35 | < 5 | 800 | < 0.5 | 2 | 0.05 | < 0.5 | 1 | 252 | 5 | 1.52 | < 10 | < 1 | 0.06 | 10 | 0.02 | 50 |
| 39553 | 208 | 294 | < 0.002 | 0.2 | 0.06 | < 5 | 60 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 317 | 1 | 0.37 | < 10 | < 1 | < 0.01 | < 10 | 0.01 | 60 |
| 39554 | 208 | 294 | 0.036 | 2.6 | 0.02 | < 5 | 790 | < 0.5 | 2 | < 0.01 | < 0.5 | < 1 | 158 | 23 | 1.05 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 30 |
| 39555 | 208 | 294 | 0.320 | >200 | 0.06 | 45 | 1920 | < 0.5 | 44 | < 0.01 | 1.0 | 1 | 261 | 327 | 3.10 | < 10 | 40 | < 0.01 | < 10 | < 0.01 | 40 |
| 39556 | 208 | 294 | 0.032 | 12.6 | 0.01 | < 5 | 4600 | < 0.5 | 2 | < 0.01 | < 0.5 | 1 | 362 | 19 | 0.69 | < 10 | 2 | < 0.01 | < 10 | < 0.01 | 40 |
| 39601 | 208 | 294 | 0.002 | 1.6 | 0.04 | < 5 | 1280 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 194 | 3 | 0.26 | < 10 | < 1 | 0.02 | < 10 | < 0.01 | 70 |
| 39602 | 208 | 294 | 0.002 | 1.6 | 0.67 | < 5 | 1180 | < 0.5 | < 2 | 0.14 | < 0.5 | 3 | 151 | 9 | 1.23 | 10 | < 1 | 0.35 | 40 | 0.14 | 260 |
| 39603 | 208 | 294 | 0.002 | 1.0 | 0.57 | < 5 | 840 | < 0.5 | < 2 | 0.05 | < 0.5 | 1 | 167 | 4 | 0.81 | 10 | < 1 | 0.23 | 30 | 0.05 | 175 |
| 39604 | 208 | 294 | < 0.002 | 0.8 | 1.07 | < 5 | 880 | < 0.5 | < 2 | 0.15 | < 0.5 | 5 | 132 | 9 | 2.08 | 10 | < 1 | 0.50 | 30 | 0.25 | 345 |
| 39605 | 208 | 294 | 0.002 | 0.8 | 0.94 | < 5 | 370 | < 0.5 | < 2 | 0.08 | < 0.5 | 2 | 160 | 7 | 0.98 | 10 | < 1 | 0.32 | 40 | 0.10 | 225 |
| 39606 | 208 | 294 | 0.006 | 1.2 | 0.23 | < 5 | 290 | < 0.5 | < 2 | 0.03 | < 0.5 | 2 | 262 | 4 | 0.93 | < 10 | < 1 | 0.05 | < 10 | 0.03 | 470 |
| 39607 | 208 | 294 | < 0.002 | 0.8 | 0.61 | < 5 | 260 | < 0.5 | < 2 | 0.05 | < 0.5 | 2 | 153 | 7 | 0.77 | 10 | < 1 | 0.27 | 40 | 0.09 | 210 |
| 39608 | 208 | 294 | 0.030 | 5.8 | 0.47 | < 5 | 690 | < 0.5 | < 2 | 0.03 | 0.5 | 2 | 221 | 10 | 1.30 | 10 | < 1 | 0.15 | 40 | 0.05 | 285 |
| 39609 | 208 | 294 | 0.002 | 1.4 | 0.75 | < 5 | 800 | < 0.5 | < 2 | 0.05 | < 0.5 | 1 | 158 | 8 | 0.82 | 10 | < 1 | 0.33 | 40 | 0.09 | 160 |
| 39610 | 208 | 294 | < 0.002 | 1.4 | 0.95 | < 5 | 370 | < 0.5 | < 2 | 0.06 | < 0.5 | 3 | 104 | 73 | 0.90 | 10 | < 1 | 0.34 | 40 | 0.09 | 210 |
| 39611 | 208 | 294 | 0.041 | 32.8 | 0.21 | 55 | 140 | < 0.5 | 2 | 0.02 | < 0.5 | 1 | 366 | 681 | 1.25 | < 10 | < 1 | 0.05 | < 10 | 0.01 | 65 |
| 39612 | 208 | 294 | < 0.002 | 1.4 | 1.04 | < 5 | 1370 | < 0.5 | < 2 | 0.81 | 0.5 | 5 | 84 | 43 | 1.94 | < 10 | < 1 | 0.37 | 30 | 0.19 | 395 |
| 39613 | 208 | 294 | 0.024 | 4.2 | 0.76 | < 5 | 2750 | < 0.5 | < 2 | 0.08 | < 0.5 | 5 | 208 | 83 | 2.56 | < 10 | < 1 | 0.15 | 10 | 0.07 | 105 |
| 39614 | 208 | 294 | 0.002 | 1.2 | 0.72 | < 5 | 1380 | < 0.5 | < 2 | 0.12 | < 0.5 | 3 | 101 | 33 | 1.28 | 10 | < 1 | 0.28 | 30 | 0.16 | 205 |
| 39615 | 208 | 294 | < 0.002 | 0.8 | 1.47 | < 5 | 410 | < 0.5 | < 2 | 0.21 | < 0.5 | 7 | 108 | 13 | 2.29 | 10 | < 1 | 0.66 | 40 | 0.58 | 310 |
| 39616 | 208 | 294 | < 0.002 | 0.6 | 0.60 | < 5 | 940 | < 0.5 | < 2 | 1.27 | < 0.5 | 1 | 138 | 4 | 0.79 | < 10 | < 1 | 0.37 | 20 | 0.09 | 290 |

CERTIFICATION: B. Campbell

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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[redacted]: ARBOR RESOURCES INC.
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Page N[redacted]r : 4-B
Total Pa[redacted]: 5
Invoice Date: 3-OCT-90
Invoice No. : I-9023700
P.O. Number :

Project : AORDAW
Comments: ATTN: LARRY McLEAN CC: A. TROUP

## CERTIFICATE OF ANALYSIS A9023700

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39309 | 208 | 294 | 1 | 0.09 | 50 | 1840 | 6 | < 5 | 17 | 108 | 0.07 | < 10 | < 10 | 122 | < 10 | 84 |
| 39310 | 208 | 294 | 1 | 0.01 | 67 | 960 | 8 | < 5 | 14 | 194 | < 0.01 | < 10 | < 10 | 78 | < 10 | 92 |
| 39311 | 208 | 294 | < 1 | 0.01 | 116 | 610 | 2 | < 5 | 11 | 305 | 0.04 | < 10 | < 10 | 68 | < 10 | 68 |
| 39312 | 208 | 294 | < 1 | 0.01 | 123 | 550 | < 2 | 5 | 16 | 432 | < 0.01 | < 10 | < 10 | 71 | < 10 | 80 |
| 39313 | 208 | 294 | < 1 | 0.02 | 133 | 510 | 4 | < 5 | 21 | 461 | < 0.01 | < 10 | < 10 | 74 | < 10 | 78 |
| 39314 | 208 | 294 | < 1 | 0.02 | 112 | 540 | < 2 | < 5 | 17 | 331 | < 0.01 | < 10 | < 10 | 66 | < 10 | 74 |
| 39315 | 208 | 294 | < 1 | 0.02 | 114 | 520 | 8 | < 5 | 6 | 725 | 0.05 | < 10 | < 10 | 67 | < 10 | 46 |
| 39316 | 208 | 294 | < 1 | 0.02 | 125 | 580 | 10 | < 5 | 5 | 59 | 0.09 | < 10 | < 10 | 65 | < 10 | 44 |
| 39317 | 208 | 294 | < 1 | 0.02 | 85 | 430 | 22 | < 5 | 3 | 969 | 0.03 | < 10 | < 10 | 39 | < 10 | 36 |
| 39318 | 208 | 294 | < 1 | 0.02 | 21 | 390 | 10 | < 5 | 5 | 523 | 0.01 | < 10 | < 10 | 15 | < 10 | 36 |
| 39319 | 208 | 294 | < 1 | 0.04 | 8 | 480 | 8 | < 5 | 6 | 96 | 0.01 | < 10 | < 10 | 11 | < 10 | 50 |
| 39320 | 208 | 294 | < 1 | 0.03 | 4 | 480 | 4 | < 5 | 4 | 62 | 0.02 | < 10 | < 10 | 10 | < 10 | 70 |
| 39321 | 208 | 294 | < 1 | 0.04 | 2 | 410 | 2 | < 5 | 3 | 68 | 0.03 | < 10 | < 10 | 9 | < 10 | 62 |
| 39322 | 208 | 294 | < 1 | 0.02 | 3 | 250 | 4 | < 5 | 3 | 66 | < 0.01 | < 10 | < 10 | 7 | < 10 | 38 |
| 39323 | 208 | 294 | < 1 | 0.05 | 4 | 340 | 8 | < 5 | 6 | 110 | < 0.01 | < 10 | < 10 | 13 | < 10 | 52 |
| 39324 | 208 | 294 | < 1 | 0.05 | 3 | 430 | 8 | < 5 | 6 | 122 | < 0.01 | < 10 | < 10 | 18 | < 10 | 74 |
| 39325 | 208 | 294 | < 1 | 0.04 | 3 | 400 | 2 | < 5 | 7 | 86 | < 0.01 | < 10 | < 10 | 14 | < 10 | 68 |
| 39326 | 208 | 294 | < 1 | 0.03 | 2 | 440 | 4 | < 5 | 7 | 176 | 0.01 | < 10 | < 10 | 11 | < 10 | 54 |
| 39551 | 208 | 294 | < 1 | 0.02 | 9 | 240 | 16 | < 5 | 2 | 12 | < 0.01 | < 10 | < 10 | 7 | < 10 | 30 |
| 39552 | 208 | 294 | 1 | 0.02 | 4 | 80 | 458 | < 5 | < 1 | 9 | < 0.01 | < 10 | < 10 | 1 | < 10 | 18 |
| 39553 | 208 | 294 | < 1 | 0.01 | 4 | 20 | 10 | < 5 | < 1 | 7 | < 0.01 | < 10 | < 10 | 1 | < 10 | 2 |
| 39554 | 208 | 294 | 2 | < 0.01 | 3 | 30 | 650 | 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 12 |
| 39555 | 208 | 294 | 2 | < 0.01 | 5 | < 10 | 1650 | 300 | < 1 | 10 | < 0.01 | < 10 | < 10 | < 1 | 10 | 236 |
| 39556 | 208 | 294 | 1 | < 0.01 | 5 | < 10 | 196 | 20 | < 1 | 122 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 8 |
| 39601 | 208 | 294 | < 1 | < 0.01 | 2 | 20 | 16 | < 5 | < 1 | 15 | < 0.01 | < 10 | < 10 | 1 | < 10 | 2 |
| 39602 | 208 | 294 | < 1 | 0.04 | 4 | 290 | 18 | < 5 | 3 | 17 | 0.01 | < 10 | < 10 | 5 | < 10 | 46 |
| 39603 | 208 | 294 | < 1 | 0.03 | 2 | 90 | 22 | < 5 | 2 | 11 | < 0.01 | < 10 | < 10 | 2 | < 10 | 10 |
| 39604 | 208 | 294 | < 1 | 0.03 | 6 | 440 | 24 | < 5 | 5 | 21 | 0.01 | < 10 | < 10 | 8 | < 10 | 72 |
| 39605 | 208 | 294 | < 1 | 0.01 | 4 | 110 | 86 | < 5 | 2 | 13 | < 0.01 | < 10 | < 10 | 2 | < 10 | 32 |
| 39606 | 208 | 294 | 1 | < 0.01 | 6 | 40 | 152 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | 3 | < 10 | 38 |
| 39607 | 208 | 294 | < 1 | 0.03 | 3 | 120 | 54 | < 5 | 2 | 8 | < 0.01 | < 10 | < 10 | 3 | < 10 | 26 |
| 39608 | 208 | 294 | < 1 | 0.02 | 5 | 40 | 258 | < 5 | 2 | 6 | < 0.01 | < 10 | < 10 | 3 | < 10 | 138 |
| 39609 | 208 | 294 | < 1 | 0.02 | 2 | 70 | 86 | < 5 | 2 | 7 | < 0.01 | < 10 | < 10 | 2 | < 10 | 52 |
| 39610 | 208 | 294 | 1 | 0.02 | 3 | 100 | 268 | < 5 | 3 | 16 | < 0.01 | < 10 | < 10 | 2 | < 10 | 42 |
| 39611 | 208 | 294 | 2 | < 0.01 | 4 | 30 | 5340 | 80 | < 1 | 11 | < 0.01 | < 10 | < 10 | 2 | < 10 | 38 |
| 39612 | 208 | 294 | < 1 | < 0.01 | 6 | 490 | 72 | < 5 | 3 | 29 | < 0.01 | < 10 | < 10 | 4 | < 10 | 90 |
| 39613 | 208 | 294 | 3 | < 0.01 | 8 | 80 | 1045 | 5 | 4 | 24 | < 0.01 | < 10 | < 10 | 4 | < 10 | 94 |
| 39614 | 208 | 294 | 1 | 0.01 | 3 | 160 | 260 | < 5 | 2 | 17 | < 0.01 | < 10 | < 10 | 3 | < 10 | 40 |
| 39615 | 208 | 294 | < 1 | 0.02 | 9 | 530 | 22 | < 5 | 5 | 18 | 0.02 | < 10 | < 10 | 15 | < 10 | 74 |
| 39616 | 208 | 294 | < 1 | 0.01 | 2 | 50 | 14 | < 5 | 2 | 34 | < 0.01 | < 10 | < 10 | 2 | < 10 | 36 |

CERTIFICATION: B. Caplan

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V6B 1N2

Project : AORDAW
Comments: ATTN: LARRY McLEAN CC: A. TROUP


Invoice Date: 3-OCT-90
Invoice No. : I-9023700
P.O. Number :

## CERTIFICATE OF ANALYSIS A9023700

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39617 | 208 | 294 | < 0.002 | 0.8 | 1.00 | < 5 | 2200 | < 0.5 | < 2 | 0.17 | < 0.5 | 5 | 199 | 10 | 1.69 | 10 | < 1 | 0.46 | 40 | 0.44 | 510 |
| 39618 | 208 | 294 | < 0.002 | 1.0 | 0.64 | < 5 | 1070 | < 0.5 | < 2 | 0.07 | < 0.5 | 2 | 224 | 7 | 1.11 | 10 | < 1 | 0.31 | 40 | 0.16 | 315 |
| 39619 | 208 | 294 | < 0.002 | 0.6 | 0.95 | < 5 | 600 | < 0.5 | < 2 | 0.14 | < 0.5 | 4 | 220 | 5 | 1.20 | 10 | < 1 | 0.46 | 40 | 0.35 | 255 |
| 39620 | 208 | 294 | 0.006 | 0.8 | 0.55 | < 5 | 630 | < 0.5 | < 2 | 0.52 | < 0.5 | 1 | 204 | 7 | 0.74 | < 10 | < 1 | 0.30 | 40 | 0.09 | 195 |
| 39621 | 208 | 294 | < 0.002 | 0.4 | 0.94 | < 5 | 700 | < 0.5 | < 2 | 0.16 | < 0.5 | 4 | 195 | 9 | 1.43 | 10 | < 1 | 0.46 | 30 | 0.45 | 300 |
| 39622 | 208 | 294 | < 0.002 | 0.6 | 0.07 | < 5 | 90 | < 0.5 | < 2 | 5.66 | < 0.5 | < 1 | 253 | 2 | 0.36 | < 10 | < 1 | < 0.01 | < 10 | 0.04 | 645 |
| 39623 | 208 | 294 | 0.024 | 25.0 | 0.06 | 10 | 4140 | < 0.5 | < 2 | 1.99 | 6.5 | 1 | 247 | 465 | 0.36 | < 10 | 2 | < 0.01 | < 10 | 0.02 | 385 |
| 39624 | 208 | 294 | < 0.002 | 1.2 | 0.87 | < 5 | 6140 | < 0.5 | < 2 | 0.39 | 5.5 | 3 | 254 | 21 | 1.16 | 10 | < 1 | 0.34 | 30 | 0.27 | 510 |
| 39625 | 208 | 294 | < 0.002 | 1.4 | 3.26 | < 5 | 2750 | < 0.5 | < 2 | 1.94 | < 0.5 | 20 | 119 | 21 | 4.56 | 10 | < 1 | 0.38 | 50 | 1.60 | 2640 |
| 39626 | 208 | 294 | < 0.002 | 0.2 | 0.20 | < 5 | 3140 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 255 | 2 | 0.48 | < 10 | < 1 | 0.09 | < 10 | 0.05 | 180 |
| 39627 | 208 | 294 | < 0.002 | 0.2 | 0.19 | < 5 | 360 | < 0.5 | < 2 | 0.03 | < 0.5 | < 1 | 259 | 2 | 0.41 | < 10 | < 1 | 0.07 | < 10 | 0.04 | 110 |
| 39628 | 208 | 294 | < 0.002 | 0.6 | 1.06 | < 5 | 490 | < 0.5 | < 2 | 0.54 | < 0.5 | 5 | 133 | 12 | 1.51 | 10 | < 1 | 0.55 | 40 | 0.61 | 365 |
| 39629 | 208 | 294 | < 0.002 | 0.6 | 0.88 | < 5 | 420 | < 0.5 | < 2 | 0.12 | < 0.5 | 3 | 153 | 6 | 1.25 | 10 | < 1 | 0.53 | 40 | 0.44 | 275 |
| 39630 | 208 | 294 | < 0.002 | 0.4 | 0.76 | < 5 | 340 | < 0.5 | < 2 | 0.11 | < 0.5 | 3 | 134 | 5 | 1.13 | < 10 | < 1 | 0.48 | 30 | 0.36 | 225 |
| 39631 | 208 | 294 | < 0.002 | 0.2 | 0.45 | < 5 | 470 | < 0.5 | < 2 | 0.80 | < 0.5 | 4 | 274 | 9 | 1.27 | < 10 | < 1 | 0.27 | 30 | 0.20 | 565 |
| 39632 | 208 | 294 | < 0.002 | 0.6 | 0.73 | < 5 | 330 | < 0.5 | < 2 | 0.09 | < 0.5 | 2 | 114 | 5 | 1.10 | 10 | < 1 | 0.38 | 50 | 0.26 | 220 |
| 39633 | 208 | 294 | < 0.002 | 0.6 | 1.04 | 5 | 520 | < 0.5 | 2 | 0.17 | < 0.5 | 6 | 141 | 8 | 1.84 | 10 | < 1 | 0.68 | 50 | 0.57 | 375 |
| 39634 | 208 | 294 | < 0.002 | 0.6 | 1.05 | 5 | 440 | < 0.5 | < 2 | 0.17 | < 0.5 | 6 | 126 | 10 | 1.83 | 10 | < 1 | 0.75 | 50 | 0.62 | 410 |
| 39635 | 208 | 294 | < 0.002 | 0.6 | 0.70 | < 5 | 980 | < 0.5 | < 2 | 0.11 | < 0.5 | 3 | 130 | 4 | 1.23 | 10 | < 1 | 0.45 | 50 | 0.27 | 340 |
| 39636 | 208 | 294 | < 0.002 | 0.4 | 0.90 | < 5 | 520 | < 0.5 | < 2 | 0.17 | < 0.5 | 5 | 158 | 15 | 1.50 | 10 | < 1 | 0.63 | 30 | 0.54 | 330 |
| 39637 | 208 | 294 | < 0.002 | 0.6 | 0.81 | < 5 | 510 | < 0.5 | < 2 | 0.12 | < 0.5 | 3 | 193 | 4 | 1.17 | 10 | < 1 | 0.53 | 40 | 0.32 | 265 |
| 39638 | 208 | 294 | < 0.002 | 0.6 | 0.96 | 5 | 580 | < 0.5 | < 2 | 0.14 | < 0.5 | 6 | 247 | 15 | 1.70 | 10 | < 1 | 0.57 | 30 | 0.38 | 360 |
| 39639 | 208 | 294 | < 0.002 | 0.8 | 0.72 | 5 | 450 | < 0.5 | < 2 | 0.09 | < 0.5 | 5 | 202 | 10 | 1.43 | 10 | < 1 | 0.40 | 50 | 0.15 | 370 |
| 39640 | 208 | 294 | < 0.002 | 0.6 | 0.72 | 10 | 650 | < 0.5 | < 2 | 0.10 | < 0.5 | 6 | 214 | 10 | 1.55 | 10 | < 1 | 0.43 | 40 | 0.16 | 490 |
| 39641 | 208 | 294 | 0.002 | 0.4 | 0.57 | < 5 | 300 | < 0.5 | < 2 | 0.06 | < 0.5 | 2 | 191 | 4 | 0.83 | < 10 | 1 | 0.33 | 30 | 0.09 | 115 |
| 39642 | 208 | 294 | 0.006 | 3.0 | 0.40 | 10 | 4900 | < 0.5 | 4 | 0.03 | < 0.5 | 3 | 175 | 150 | 1.20 | < 10 | 1 | 0.16 | 20 | 0.04 | 145 |
| 39643 | 208 | 294 | < 0.002 | 0.8 | 0.56 | < 5 | 1500 | < 0.5 | < 2 | 0.06 | < 0.5 | 4 | 156 | 20 | 1.18 | < 10 | < 1 | 0.32 | 40 | 0.08 | 315 |
| 39644 | 208 | 294 | < 0.002 | 0.4 | 0.49 | < 5 | 360 | < 0.5 | < 2 | 0.06 | < 0.5 | 1 | 124 | 7 | 0.79 | < 10 | < 1 | 0.31 | 10 | 0.05 | 160 |
| 39645 | 208 | 294 | < 0.002 | 0.8 | 0.76 | < 5 | 460 | < 0.5 | 4 | 0.08 | < 0.5 | 2 | 201 | 8 | 1.22 | 10 | < 1 | 0.43 | 40 | 0.10 | 310 |
| 39648 | 208 | 294 | 0.034 | 5.8 | 0.07 | < 5 | 40 | < 0.5 | 2 | < 0.01 | < 0.5 | < 1 | 286 | 16 | 1.21 | < 10 | < 1 | < 0.01 | < 10 | 0.01 | 45 |
| 39649 | 208 | 294 | 0.023 | 7.0 | 0.17 | 5 | 1700 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 215 | 44 | 1.10 | < 10 | < 1 | 0.09 | 10 | 0.01 | 55 |
| 39650 | 208 | 294 | 0.008 | 15.2 | 0.09 | 25 | 2760 | < 0.5 | 4 | 0.26 | 19.0 | 1 | 176 | 796 | 0.37 | < 10 | 3 | 0.01 | < 10 | 0.02 | 195 |

CERTIFICATION: B. Caufield

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Invoice Date: 3-OCT-90
Invoice No. : I-9023700
P.O. Number :

Project : AORDAW
Comments: ATTN: LARRY McLEAN CC: A. TROUP

## CERTIFICATE OF ANALYSIS A9023700

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39617 | 208 | 294 | < 1 | 0.02 | 7 | 360 | 16 | < 5 | 4 | 14 | 0.01 | < 10 | < 10 | 10 | < 10 | 52 |
| 39618 | 208 | 294 | < 1 | 0.03 | 5 | 160 | 22 | < 5 | 3 | 11 | < 0.01 | < 10 | < 10 | 3 | < 10 | 34 |
| 39619 | 208 | 294 | < 1 | 0.03 | 6 | 310 | 16 | < 5 | 2 | 11 | 0.01 | < 10 | < 10 | 6 | < 10 | 36 |
| 39620 | 208 | 294 | < 1 | 0.02 | 3 | 110 | 30 | < 5 | 1 | 15 | < 0.01 | < 10 | < 10 | 1 | < 10 | 26 |
| 39621 | 208 | 294 | < 1 | 0.02 | 7 | 330 | 16 | < 5 | 3 | 11 | 0.01 | < 10 | < 10 | 9 | < 10 | 40 |
| 39622 | 208 | 294 | < 1 | < 0.01 | 2 | 10 | 8 | 5 | < 1 | 269 | < 0.01 | < 10 | < 10 | 1 | < 10 | 6 |
| 39623 | 208 | 294 | < 1 | < 0.01 | 2 | < 10 | 2890 | 75 | < 1 | 187 | < 0.01 | < 10 | < 10 | 1 | < 10 | 76 |
| 39624 | 208 | 294 | < 1 | 0.01 | 4 | 130 | 102 | < 5 | 2 | 69 | < 0.01 | < 10 | < 10 | 3 | < 10 | 36 |
| 39625 | 208 | 294 | < 1 | 0.05 | 32 | 1110 | 22 | < 5 | 13 | 110 | 0.13 | < 10 | < 10 | 84 | < 10 | 90 |
| 39626 | 208 | 294 | < 1 | < 0.01 | 4 | 20 | 14 | < 5 | < 1 | 14 | < 0.01 | < 10 | < 10 | 1 | < 10 | 10 |
| 39627 | 208 | 294 | < 1 | < 0.01 | 4 | 30 | 10 | < 5 | < 1 | 6 | < 0.01 | < 10 | < 10 | 1 | < 10 | 6 |
| 39628 | 208 | 294 | < 1 | 0.02 | 7 | 360 | 18 | < 5 | 3 | 34 | 0.01 | < 10 | < 10 | 8 | < 10 | 46 |
| 39629 | 208 | 294 | < 1 | 0.03 | 7 | 320 | 16 | < 5 | 3 | 11 | 0.01 | < 10 | < 10 | 8 | < 10 | 36 |
| 39630 | 208 | 294 | < 1 | 0.04 | 6 | 300 | 10 | < 5 | 2 | 8 | 0.02 | < 10 | < 10 | 12 | < 10 | 28 |
| 39631 | 208 | 294 | < 1 | 0.02 | 6 | 290 | 10 | < 5 | 3 | 26 | 0.01 | < 10 | < 10 | 17 | < 10 | 24 |
| 39632 | 208 | 294 | < 1 | 0.03 | 4 | 220 | 8 | < 5 | 4 | 6 | 0.01 | < 10 | < 10 | 8 | < 10 | 22 |
| 39633 | 208 | 294 | < 1 | 0.04 | 10 | 510 | 8 | < 5 | 6 | 10 | 0.03 | < 10 | < 10 | 20 | < 10 | 40 |
| 39634 | 208 | 294 | < 1 | 0.03 | 11 | 520 | 14 | < 5 | 6 | 12 | 0.03 | < 10 | < 10 | 20 | < 10 | 46 |
| 39635 | 208 | 294 | < 1 | 0.03 | 6 | 340 | 14 | < 5 | 4 | 15 | 0.01 | < 10 | < 10 | 8 | < 10 | 34 |
| 39636 | 208 | 294 | < 1 | 0.03 | 11 | 430 | 12 | < 5 | 4 | 11 | 0.02 | < 10 | < 10 | 16 | < 10 | 44 |
| 39637 | 208 | 294 | < 1 | 0.05 | 5 | 310 | 10 | < 5 | 3 | 12 | 0.01 | < 10 | < 10 | 9 | < 10 | 30 |
| 39638 | 208 | 294 | 1 | 0.03 | 12 | 410 | 12 | < 5 | 5 | 27 | 0.01 | < 10 | < 10 | 19 | < 10 | 46 |
| 39639 | 208 | 294 | < 1 | 0.03 | 8 | 310 | 12 | < 5 | 5 | 35 | < 0.01 | < 10 | < 10 | 10 | < 10 | 46 |
| 39640 | 208 | 294 | < 1 | 0.03 | 8 | 370 | 18 | < 5 | 4 | 24 | < 0.01 | < 10 | < 10 | 11 | < 10 | 48 |
| 39641 | 208 | 294 | < 1 | 0.05 | 4 | 200 | 10 | < 5 | 2 | 10 | < 0.01 | < 10 | < 10 | 3 | < 10 | 22 |
| 39642 | 208 | 294 | < 1 | 0.01 | 4 | 160 | 876 | 20 | 2 | 29 | < 0.01 | < 10 | < 10 | 3 | < 10 | 64 |
| 39643 | 208 | 294 | < 1 | 0.03 | 5 | 260 | 100 | < 5 | 4 | 19 | < 0.01 | < 10 | < 10 | 3 | < 10 | 34 |
| 39644 | 208 | 294 | < 1 | 0.02 | 2 | 180 | 40 | < 5 | 3 | 6 | < 0.01 | < 10 | < 10 | 3 | < 10 | 12 |
| 39645 | 208 | 294 | < 1 | 0.01 | 5 | 250 | 22 | < 5 | 3 | 13 | < 0.01 | < 10 | < 10 | 4 | < 10 | 36 |
| 39648 | 208 | 294 | < 1 | < 0.01 | 4 | 50 | 2310 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 5 | < 10 | 10 |
| 39649 | 208 | 294 | 3 | < 0.01 | 3 | 80 | 966 | 5 | 1 | 9 | < 0.01 | < 10 | < 10 | 6 | < 10 | 20 |
| 39650 | 208 | 294 | < 1 | < 0.01 | 2 | 20 | 1405 | 150 | < 1 | 150 | < 0.01 | < 10 | < 10 | 1 | < 10 | 366 |

CERTIFICATION: B. Cargill

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V6B 1N2

A9024237

Comments: CC: ART TROUP

## CERTIFICATE A9024237

ARBOR RESOURCES INC.

Project: AOR-DAW
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 11-OCT-90.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 208 | 14 | Assay ring to approx 150 mesh |
| 294 | 14 | Crush and split (0-10 pounds) |
| 238 | 14 | NITRIC-AQUA REGIA DIGESTION |

* 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 |
|---|---|---|---|---|---|
| 398 | 14 | Au oz/T: 1/2 assay ton | FA-AAS | 0.002 | 20.00 |
| 922 | 14 | Ag ppm: 32 element, soil & rock | ICP-AES | 0.2 | 200 |
| 921 | 14 | Al %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 923 | 14 | As ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 924 | 14 | Ba ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 925 | 14 | Be ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 926 | 14 | Bi ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 927 | 14 | Ca %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 928 | 14 | Cd ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 929 | 14 | Co ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 930 | 14 | Cr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 931 | 14 | Cu ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 932 | 14 | Fe %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 933 | 14 | Ga ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 951 | 14 | Hg ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 934 | 14 | K %: 32 element, soil & rock | ICP-AES | 0.01 | 10.00 |
| 935 | 14 | La ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 936 | 14 | Mg %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 937 | 14 | Mn ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 938 | 14 | Mo ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 939 | 14 | Na %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 940 | 14 | Ni ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 941 | 14 | P ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 942 | 14 | Pb ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 943 | 14 | Sb ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 958 | 14 | Sc ppm: 32 elements, soil & rock | ICP-AES | 1 | 10000 |
| 944 | 14 | Sr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 945 | 14 | Ti %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 946 | 14 | Tl ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 947 | 14 | U ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 948 | 14 | V ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 949 | 14 | W ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 950 | 14 | Zn ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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ARBOR RESOURCES INC.
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V6B 1N2

Project : AOR-DAW
Comments: CC: ART TROUP

Page Number : 1-A
Total Pages : 1
Invoice Date: 11-OCT-90
Invoice No. : I-9024237
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024237

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39651 G | 208 | 294 | < 0.002 | < 0.2 | 0.24 | < 5 | 370 | < 0.5 | < 2 | 0.09 | < 0.5 | 1 | 197 | 4 | 0.50 | < 10 | 1 | 0.14 | 10 | 0.03 | 65 |
| 39652 G | 208 | 294 | < 0.002 | < 0.2 | 0.04 | < 5 | 50 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 241 | 1 | 0.24 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 55 |
| 39653 G | 208 | 294 | < 0.002 | < 0.2 | 0.15 | 5 | 150 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 250 | 2 | 0.87 | < 10 | 1 | 0.08 | 10 | 0.01 | 65 |
| 39654 G | 208 | 294 | < 0.002 | < 0.2 | 0.05 | < 5 | 40 | < 0.5 | < 2 | < 0.01 | < 0.5 | 1 | 344 | 2 | 0.32 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 35 |
| 39655 G | 208 | 294 | < 0.002 | < 0.2 | 0.11 | < 5 | 120 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 294 | 1 | 0.35 | < 10 | 1 | 0.07 | < 10 | < 0.01 | 40 |
| 39656 G | 208 | 294 | < 0.002 | < 0.2 | 0.15 | < 5 | 180 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 214 | 1 | 0.29 | < 10 | 1 | 0.14 | 10 | < 0.01 | 45 |
| 39657 G | 208 | 294 | < 0.002 | < 0.2 | 0.36 | < 5 | 330 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 99 | 2 | 0.51 | 10 | < 1 | 0.31 | 30 | 0.02 | 50 |
| 39658 G | 208 | 294 | < 0.002 | 0.4 | 0.39 | 5 | 410 | < 0.5 | < 2 | 0.02 | < 0.5 | 1 | 82 | 2 | 0.53 | 10 | 1 | 0.30 | 40 | 0.02 | 65 |
| 39659 G | 208 | 294 | < 0.002 | 0.4 | 0.52 | 5 | 420 | < 0.5 | < 2 | 0.02 | 0.5 | < 1 | 105 | 5 | 0.56 | 10 | < 1 | 0.37 | 40 | 0.03 | 365 |
| 39660 G | 208 | 294 | < 0.002 | < 0.2 | 0.25 | 5 | 220 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 110 | 2 | 0.76 | < 10 | < 1 | 0.20 | 30 | 0.01 | 110 |
| 39661 G | 208 | 294 | < 0.002 | < 0.2 | 0.25 | 10 | 190 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 66 | 2 | 0.90 | 10 | < 1 | 0.18 | 40 | 0.01 | 65 |
| 39662 G | 208 | 294 | < 0.002 | 0.6 | 0.25 | 5 | 240 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 73 | 1 | 0.96 | < 10 | < 1 | 0.22 | 30 | < 0.01 | 40 |
| 39749 G | 208 | 294 | < 0.002 | 0.4 | 0.73 | 5 | 530 | < 0.5 | < 2 | 0.06 | 0.5 | 1 | 63 | 11 | 0.84 | 10 | < 1 | 0.35 | 40 | 0.06 | 170 |
| 39750 G | 208 | 294 | < 0.002 | < 0.2 | 0.61 | < 5 | 450 | < 0.5 | < 2 | 0.04 | < 0.5 | 1 | 62 | 9 | 0.55 | 10 | < 1 | 0.34 | 40 | 0.05 | 155 |

CERTIFICATION: B. Caplette

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Project : AOR-DAW
Comments: CC: ART TROUP

Page Number : 1-B
Total Pages : 1
Invoice Date: 11-OCT-90
Invoice No. : I-9024237
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024237

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39651 G | 208 | 294 | < 1 | 0.01 | 2 | 30 | 10 | < 5 | 1 | 5 | < 0.01 | < 10 | < 10 | 2 | < 10 | 16 |
| 39652 G | 208 | 294 | < 1 | < 0.01 | 2 | < 10 | 4 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 2 |
| 39653 G | 208 | 294 | < 1 | 0.02 | 2 | 30 | 26 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 18 |
| 39654 G | 208 | 294 | < 1 | < 0.01 | 2 | < 10 | 2 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 2 |
| 39655 G | 208 | 294 | < 1 | < 0.01 | 2 | < 10 | 4 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 4 |
| 39656 G | 208 | 294 | < 1 | 0.01 | 2 | 10 | 6 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 4 |
| 39657 G | 208 | 294 | < 1 | 0.03 | 1 | 30 | 10 | < 5 | 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 28 |
| 39658 G | 208 | 294 | < 1 | 0.01 | 1 | 40 | 12 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 20 |
| 39659 G | 208 | 294 | < 1 | 0.01 | 2 | 50 | 52 | < 5 | 2 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 26 |
| 39660 G | 208 | 294 | < 1 | 0.02 | 2 | 40 | 22 | < 5 | 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 32 |
| 39661 G | 208 | 294 | 1 | 0.02 | 1 | 70 | 22 | < 5 | 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 56 |
| 39662 G | 208 | 294 | 1 | 0.04 | < 1 | 60 | 20 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 22 |
| 39749 G | 208 | 294 | < 1 | 0.01 | 1 | 80 | 40 | < 5 | 3 | 6 | < 0.01 | < 10 | < 10 | 2 | < 10 | 44 |
| 39750 G | 208 | 294 | < 1 | 0.01 | 1 | 50 | 24 | < 5 | 2 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | 38 |

CERTIFICATION: B. Caryl

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VANCOUVER, BC
V6B 1N2

A9024260

Comments: CC: ART TROUP

## CERTIFICATE A9024260

ARBOR RESOURCES INC.

Project: AOR-DAW
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 11-OCT-90.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 208 | 74 | Assay ring to approx 150 mesh |
| 294 | 74 | Crush and split (0-10 pounds) |
| 238 | 74 | NITRIC-AQUA REGIA DIGESTION |

* 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 |
|---|---|---|---|---|---|
| 398 | 74 | Au oz/T: 1/2 assay ton | FA-AAS | 0.002 | 20.00 |
| 922 | 74 | Ag ppm: 32 element, soil & rock | ICP-AES | 0.2 | 200 |
| 921 | 74 | Al %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 923 | 74 | As ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 924 | 74 | Ba ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 925 | 74 | Be ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 926 | 74 | Bi ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 927 | 74 | Ca %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 928 | 74 | Cd ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 929 | 74 | Co ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 930 | 74 | Cr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 931 | 74 | Cu ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 932 | 74 | Fe %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 933 | 74 | Ga ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 951 | 74 | Hg ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 934 | 74 | K %: 32 element, soil & rock | ICP-AES | 0.01 | 10.00 |
| 935 | 74 | La ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 936 | 74 | Mg %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 937 | 74 | Mn ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 938 | 74 | Mo ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 939 | 74 | Na %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 940 | 74 | Ni ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 941 | 74 | P ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 942 | 74 | Pb ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 943 | 74 | Sb ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 958 | 74 | Sc ppm: 32 elements, soil & rock | ICP-AES | 1 | 10000 |
| 944 | 74 | Sr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 945 | 74 | Ti %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 946 | 74 | Tl ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 947 | 74 | U ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 948 | 74 | V ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 949 | 74 | W ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 950 | 74 | Zn ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |

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Project : AOR-DAW
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Page Number : 1-A
Total Pages : 2
Invoice Date: 11-OCT-90
Invoice No. : I-9024260
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024260

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37851 | 208 | 294 | < 0.002 | 0.8 | 0.25 | < 5 | 70 | < 0.5 | 2 | 0.04 | < 0.5 | 1 | 177 | 6 | 0.53 | < 10 | < 1 | 0.06 | < 10 | 0.08 | 90 |
| 37852 | 208 | 294 | < 0.002 | 0.4 | 1.02 | < 5 | 480 | < 0.5 | 4 | 0.20 | < 0.5 | 4 | 39 | 4 | 1.64 | 10 | < 1 | 0.37 | 10 | 0.31 | 125 |
| 37853 | 208 | 294 | < 0.002 | 0.4 | 1.11 | < 5 | 420 | < 0.5 | 4 | 0.23 | < 0.5 | 4 | 58 | 2 | 1.88 | 10 | < 1 | 0.37 | 10 | 0.35 | 150 |
| 37854 | 208 | 294 | < 0.002 | 0.2 | 1.01 | < 5 | 360 | < 0.5 | 2 | 0.20 | < 0.5 | 4 | 47 | 3 | 1.85 | 10 | < 1 | 0.36 | 20 | 0.32 | 155 |
| 37855 | 208 | 294 | < 0.002 | 0.4 | 0.87 | < 5 | 400 | < 0.5 | 4 | 0.17 | < 0.5 | 4 | 44 | 6 | 1.70 | 10 | < 1 | 0.36 | 20 | 0.25 | 175 |
| 37856 | 208 | 294 | 0.004 | 1.0 | 0.50 | < 5 | 310 | < 0.5 | 2 | 0.05 | < 0.5 | 1 | 34 | 6 | 0.65 | < 10 | < 1 | 0.29 | 30 | 0.07 | 120 |
| 37857 | 208 | 294 | < 0.002 | 0.2 | 0.38 | < 5 | 230 | < 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 77 | 4 | 0.53 | < 10 | < 1 | 0.25 | 10 | 0.04 | 40 |
| 37858 | 208 | 294 | < 0.002 | 0.2 | 0.55 | 5 | 180 | 0.5 | 2 | 0.03 | < 0.5 | 1 | 31 | 4 | 0.66 | 10 | < 1 | 0.37 | 50 | 0.07 | 90 |
| 37859 | 208 | 294 | < 0.002 | 0.4 | 0.66 | 5 | 220 | 0.5 | 4 | 0.04 | < 0.5 | 1 | 36 | 4 | 0.57 | 10 | < 1 | 0.37 | 30 | 0.07 | 65 |
| 37860 | 208 | 294 | < 0.002 | 0.2 | 0.42 | < 5 | 190 | < 0.5 | 2 | 0.03 | < 0.5 | < 1 | 35 | 3 | 0.55 | 10 | < 1 | 0.27 | 30 | 0.05 | 40 |
| 37861 | 208 | 294 | < 0.002 | 0.2 | 0.64 | < 5 | 330 | 0.5 | < 2 | 0.06 | < 0.5 | 1 | 37 | 7 | 0.82 | < 10 | < 1 | 0.27 | 20 | 0.14 | 60 |
| 37862 | 208 | 294 | < 0.002 | 0.4 | 0.43 | < 5 | 320 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 72 | 4 | 0.66 | < 10 | < 1 | 0.19 | 10 | 0.11 | 40 |
| 37863 | 208 | 294 | < 0.002 | 0.4 | 0.50 | < 5 | 380 | < 0.5 | 2 | 0.04 | < 0.5 | 1 | 53 | 2 | 0.59 | < 10 | < 1 | 0.22 | 10 | 0.15 | 40 |
| 37864 | 208 | 294 | < 0.002 | 0.4 | 0.51 | < 5 | 380 | < 0.5 | 2 | 0.04 | < 0.5 | 1 | 72 | 3 | 0.67 | < 10 | < 1 | 0.29 | 20 | 0.12 | 40 |
| 37865 | 208 | 294 | < 0.002 | 0.4 | 0.66 | < 5 | 360 | 0.5 | 2 | 0.09 | < 0.5 | 1 | 57 | 7 | 0.88 | < 10 | < 1 | 0.40 | 30 | 0.13 | 60 |
| 37866 | 208 | 294 | 0.009 | 0.8 | 0.49 | < 5 | 290 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 70 | 2 | 0.36 | < 10 | < 1 | 0.35 | 20 | 0.04 | 20 |
| 37867 | 208 | 294 | < 0.002 | 0.2 | 0.38 | < 5 | 180 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 72 | 1 | 0.33 | < 10 | < 1 | 0.24 | 20 | 0.04 | 25 |
| 37868 | 208 | 294 | < 0.002 | < 0.2 | 0.52 | < 5 | 390 | < 0.5 | 2 | 0.02 | < 0.5 | 1 | 67 | 1 | 0.35 | < 10 | < 1 | 0.36 | 20 | 0.06 | 20 |
| 37869 | 208 | 294 | < 0.002 | < 0.2 | 1.28 | 15 | 460 | < 0.5 | 2 | 0.17 | < 0.5 | 3 | 66 | 3 | 2.06 | < 10 | < 1 | 0.45 | 10 | 0.38 | 225 |
| 37870 | 208 | 294 | < 0.002 | < 0.2 | 1.09 | 5 | 370 | < 0.5 | 2 | 0.19 | < 0.5 | 5 | 48 | < 1 | 1.87 | 10 | < 1 | 0.39 | 10 | 0.36 | 205 |
| 37871 | 208 | 294 | < 0.002 | < 0.2 | 0.24 | < 5 | 260 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 89 | < 1 | 0.38 | < 10 | < 1 | 0.20 | 30 | 0.03 | 90 |
| 37872 | 208 | 294 | 0.008 | 4.2 | 0.06 | 5 | 410 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 168 | 4 | 0.78 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 80 |
| 37873 | 208 | 294 | 0.002 | 2.0 | 0.07 | < 5 | 660 | < 0.5 | 2 | < 0.01 | < 0.5 | < 1 | 177 | < 1 | 0.55 | < 10 | < 1 | 0.01 | < 10 | < 0.01 | 40 |
| 37874 | 208 | 294 | 0.015 | < 0.2 | 0.14 | < 5 | 330 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 171 | < 1 | 0.38 | < 10 | < 1 | 0.05 | 20 | 0.01 | 50 |
| 37875 | 208 | 294 | < 0.002 | < 0.2 | 0.44 | 5 | 970 | < 0.5 | 2 | 0.03 | 0.5 | < 1 | 50 | 1 | 0.74 | 10 | < 1 | 0.29 | 30 | 0.05 | 55 |
| 37876 | 208 | 294 | < 0.002 | < 0.2 | 0.68 | < 5 | 680 | < 0.5 | < 2 | 0.06 | < 0.5 | 1 | 50 | 2 | 0.64 | 10 | < 1 | 0.31 | 40 | 0.09 | 65 |
| 37877 | 208 | 294 | < 0.002 | < 0.2 | 0.78 | 5 | 620 | < 0.5 | < 2 | 0.08 | < 0.5 | 1 | 47 | 8 | 0.98 | 10 | < 1 | 0.23 | 40 | 0.14 | 120 |
| 37878 | 208 | 294 | < 0.002 | < 0.2 | 0.59 | < 5 | 800 | 0.5 | < 2 | 0.04 | < 0.5 | < 1 | 70 | 2 | 0.61 | 10 | < 1 | 0.36 | 30 | 0.07 | 105 |
| 37879 | 208 | 294 | < 0.002 | < 0.2 | 0.58 | 5 | 890 | < 0.5 | < 2 | 0.05 | < 0.5 | < 1 | 47 | 2 | 0.65 | < 10 | < 1 | 0.31 | 40 | 0.06 | 120 |
| 37880 | 208 | 294 | < 0.002 | 0.4 | 0.34 | < 5 | 30 | < 0.5 | < 2 | 0.01 | 0.5 | 10 | 215 | 36 | 1.97 | < 10 | < 1 | < 0.01 | < 10 | 0.02 | 250 |
| 37881 | 208 | 294 | < 0.002 | < 0.2 | 0.80 | < 5 | 80 | < 0.5 | < 2 | 0.33 | < 0.5 | 3 | 117 | 4 | 1.18 | < 10 | < 1 | 0.06 | < 10 | 0.45 | 160 |
| 39385 | 208 | 294 | < 0.002 | < 0.2 | 0.44 | < 5 | 1000 | < 0.5 | < 2 | 0.04 | < 0.5 | 1 | 52 | < 1 | 0.29 | < 10 | < 1 | 0.39 | 20 | 0.06 | 25 |
| 39386 | 208 | 294 | < 0.002 | 0.4 | 0.34 | 930 | 90 | < 0.5 | < 2 | 0.34 | 1.0 | 3 | 251 | 9 | 1.24 | < 10 | < 1 | 0.03 | < 10 | 0.30 | 275 |
| 39387 | 208 | 294 | < 0.002 | 0.4 | 0.09 | 15 | 10 | < 0.5 | < 2 | 0.01 | < 0.5 | 2 | 232 | 6 | 0.41 | < 10 | < 1 | < 0.01 | < 10 | 0.03 | 50 |
| 39557 | 208 | 294 | < 0.002 | < 0.2 | 0.80 | < 5 | 650 | < 0.5 | 2 | 0.14 | < 0.5 | 4 | 59 | 11 | 1.30 | 10 | < 1 | 0.48 | 30 | 0.42 | 245 |
| 39558 | 208 | 294 | < 0.002 | < 0.2 | 0.52 | < 5 | 230 | < 0.5 | < 2 | 0.05 | < 0.5 | 2 | 62 | 1 | 0.82 | 10 | < 1 | 0.31 | 30 | 0.16 | 145 |
| 39559 | 208 | 294 | < 0.002 | < 0.2 | 1.01 | < 5 | 1450 | < 0.5 | 2 | 0.13 | < 0.5 | 5 | 57 | 5 | 1.66 | 10 | < 1 | 0.59 | 30 | 0.47 | 295 |
| 39560 | 208 | 294 | < 0.002 | < 0.2 | 0.23 | < 5 | 240 | < 0.5 | < 2 | 0.01 | < 0.5 | 2 | 181 | 1 | 0.56 | < 10 | < 1 | 0.10 | < 10 | 0.06 | 270 |
| 39561 | 208 | 294 | < 0.002 | < 0.2 | 1.06 | < 5 | 630 | < 0.5 | < 2 | 0.12 | < 0.5 | 5 | 49 | 6 | 1.70 | 10 | < 1 | 0.65 | 30 | 0.51 | 280 |
| 39562 | 208 | 294 | < 0.002 | < 0.2 | 0.27 | < 5 | 200 | < 0.5 | < 2 | 0.03 | < 0.5 | 2 | 189 | 5 | 0.72 | < 10 | < 1 | 0.14 | < 10 | 0.12 | 120 |

CERTIFICATION: B. Caufield

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## CERTIFICATE OF ANALYSIS A9024260

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37851 | 208 | 294 | < 1 | < 0.01 | 3 | 100 | 256 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 2 | < 10 | 46 |
| 37852 | 208 | 294 | < 1 | 0.01 | 3 | 570 | 70 | < 5 | 2 | 9 | 0.01 | < 10 | < 10 | 7 | < 10 | 68 |
| 37853 | 208 | 294 | < 1 | 0.01 | 3 | 570 | 82 | < 5 | 3 | 10 | 0.01 | < 10 | < 10 | 9 | < 10 | 70 |
| 37854 | 208 | 294 | < 1 | 0.01 | 3 | 550 | 56 | < 5 | 3 | 8 | 0.01 | < 10 | < 10 | 7 | < 10 | 66 |
| 37855 | 208 | 294 | < 1 | 0.01 | 4 | 510 | 42 | < 5 | 2 | 8 | < 0.01 | < 10 | < 10 | 7 | < 10 | 74 |
| 37856 | 208 | 294 | < 1 | 0.01 | 2 | 160 | 72 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 40 |
| 37857 | 208 | 294 | < 1 | 0.02 | 3 | 90 | 28 | < 5 | < 1 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 34 |
| 37858 | 208 | 294 | < 1 | < 0.01 | 2 | 80 | 38 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 54 |
| 37859 | 208 | 294 | < 1 | 0.02 | 2 | 60 | 22 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 42 |
| 37860 | 208 | 294 | < 1 | 0.02 | 2 | 60 | 24 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 38 |
| 37861 | 208 | 294 | < 1 | 0.03 | 1 | 70 | 26 | < 5 | 2 | 5 | < 0.01 | < 10 | < 10 | 1 | < 10 | 58 |
| 37862 | 208 | 294 | < 1 | 0.01 | < 1 | 40 | 22 | < 5 | 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 34 |
| 37863 | 208 | 294 | < 1 | 0.01 | < 1 | 60 | 20 | < 5 | 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 38 |
| 37864 | 208 | 294 | < 1 | 0.01 | < 1 | 70 | 22 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 40 |
| 37865 | 208 | 294 | < 1 | 0.01 | < 1 | 250 | 42 | < 5 | < 1 | 6 | < 0.01 | < 10 | < 10 | 2 | < 10 | 48 |
| 37866 | 208 | 294 | < 1 | 0.02 | < 1 | 50 | 66 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 26 |
| 37867 | 208 | 294 | < 1 | 0.02 | 1 | 40 | 34 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 22 |
| 37868 | 208 | 294 | < 1 | 0.01 | < 1 | 40 | 26 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 16 |
| 37869 | 208 | 294 | < 1 | 0.02 | 2 | 510 | 12 | < 5 | 2 | 13 | < 0.01 | < 10 | < 10 | 9 | < 10 | 52 |
| 37870 | 208 | 294 | < 1 | 0.01 | 1 | 520 | 4 | < 5 | 2 | 8 | < 0.01 | < 10 | < 10 | 7 | < 10 | 50 |
| 37871 | 208 | 294 | < 1 | < 0.01 | 2 | 30 | 14 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 14 |
| 37872 | 208 | 294 | 1 | < 0.01 | 4 | 10 | 174 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 18 |
| 37873 | 208 | 294 | < 1 | < 0.01 | 3 | < 10 | 84 | < 5 | < 1 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 12 |
| 37874 | 208 | 294 | < 1 | < 0.01 | 3 | 10 | 16 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 6 |
| 37875 | 208 | 294 | < 1 | 0.01 | 2 | 40 | 20 | < 5 | < 1 | 7 | < 0.01 | < 10 | < 10 | 1 | < 10 | 24 |
| 37876 | 208 | 294 | < 1 | 0.01 | 1 | 50 | 24 | < 5 | 1 | 6 | < 0.01 | < 10 | < 10 | 1 | < 10 | 36 |
| 37877 | 208 | 294 | 1 | 0.02 | 1 | 70 | 64 | < 5 | 1 | 8 | < 0.01 | < 10 | < 10 | 2 | < 10 | 88 |
| 37878 | 208 | 294 | < 1 | 0.02 | 1 | 30 | 12 | < 5 | < 1 | 7 | < 0.01 | < 10 | < 10 | 1 | < 10 | 30 |
| 37879 | 208 | 294 | < 1 | 0.01 | 1 | 50 | 20 | < 5 | 1 | 9 | < 0.01 | < 10 | < 10 | 1 | < 10 | 46 |
| 37880 | 208 | 294 | 1 | < 0.01 | 8 | 240 | < 2 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 148 |
| 37881 | 208 | 294 | < 1 | < 0.01 | 3 | 720 | < 2 | < 5 | < 1 | 15 | 0.07 | < 10 | < 10 | 5 | < 10 | 52 |
| 39385 | 208 | 294 | < 1 | 0.01 | 1 | 230 | 10 | < 5 | < 1 | 28 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 6 |
| 39386 | 208 | 294 | < 1 | < 0.01 | 10 | 100 | 4 | 5 | < 1 | 16 | < 0.01 | < 10 | < 10 | 9 | < 10 | 22 |
| 39387 | 208 | 294 | < 1 | < 0.01 | 6 | 20 | 2 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 8 |
| 39557 | 208 | 294 | < 1 | 0.02 | 4 | 410 | 10 | < 5 | 2 | 7 | 0.02 | < 10 | < 10 | 7 | < 10 | 46 |
| 39558 | 208 | 294 | < 1 | 0.02 | 2 | 190 | 8 | < 5 | 1 | 3 | 0.01 | < 10 | < 10 | 3 | < 10 | 26 |
| 39559 | 208 | 294 | < 1 | 0.02 | 6 | 480 | 10 | < 5 | 4 | 12 | 0.03 | < 10 | < 10 | 10 | < 10 | 58 |
| 39560 | 208 | 294 | < 1 | 0.01 | 3 | 60 | 6 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 12 |
| 39561 | 208 | 294 | < 1 | 0.02 | 6 | 470 | 8 | < 5 | 3 | 10 | 0.05 | < 10 | < 10 | 11 | < 10 | 62 |
| 39562 | 208 | 294 | < 1 | 0.01 | 4 | 120 | < 2 | < 5 | < 1 | 4 | 0.01 | < 10 | < 10 | 3 | < 10 | 14 |

CERTIFICATION: B. Caughlin

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: ARBOR RESOURCES INC.
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V6B 1N2

Project : AOR-DAW
Comments: CC: ART TROUP

Page Number : 2-A
Total Pages : 2
Invoice Date: 11-OCT-90
Invoice No. : I-9024260
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024260

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39563 | 208 | 294 | < 0.002 | < 0.2 | 1.11 | < 5 | 650 | < 0.5 | < 2 | 0.15 | < 0.5 | 6 | 125 | 9 | 2.02 | 10 | < 1 | 0.62 | 30 | 0.53 | 360 |
| 39564 | 208 | 294 | < 0.002 | < 0.2 | 0.96 | < 5 | 960 | 0.5 | < 2 | 0.15 | < 0.5 | 5 | 90 | 6 | 1.80 | < 10 | < 1 | 0.62 | 20 | 0.51 | 305 |
| 39565 | 208 | 294 | < 0.002 | < 0.2 | 0.92 | 5 | 490 | < 0.5 | 2 | 0.16 | < 0.5 | 6 | 100 | 7 | 1.75 | < 10 | < 1 | 0.64 | 20 | 0.49 | 295 |
| 39566 | 208 | 294 | < 0.002 | 0.8 | 0.22 | < 5 | 180 | < 0.5 | 4 | 0.05 | < 0.5 | 1 | 214 | < 1 | 0.44 | < 10 | < 1 | 0.16 | < 10 | 0.07 | 135 |
| 39567 | 208 | 294 | < 0.002 | < 0.2 | 0.14 | < 5 | 120 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 325 | 1 | 0.49 | < 10 | < 1 | 0.05 | < 10 | 0.04 | 125 |
| 39568 | 208 | 294 | < 0.002 | < 0.2 | 0.48 | < 5 | 500 | < 0.5 | < 2 | 0.07 | < 0.5 | 3 | 176 | 3 | 0.89 | < 10 | < 1 | 0.28 | 10 | 0.22 | 195 |
| 39569 | 208 | 294 | < 0.002 | 0.4 | 1.10 | < 5 | 550 | < 0.5 | 2 | 0.20 | < 0.5 | 5 | 126 | 9 | 1.72 | 10 | < 1 | 0.69 | 30 | 0.46 | 315 |
| 39570 | 208 | 294 | < 0.002 | < 0.2 | 0.59 | < 5 | 290 | < 0.5 | < 2 | 0.09 | < 0.5 | 3 | 88 | 1 | 1.16 | 10 | < 1 | 0.33 | 40 | 0.17 | 200 |
| 39571 | 208 | 294 | < 0.002 | < 0.2 | 0.77 | < 5 | 490 | < 0.5 | < 2 | 0.08 | < 0.5 | 3 | 100 | 2 | 1.16 | 10 | < 1 | 0.48 | 40 | 0.33 | 250 |
| 39572 | 208 | 294 | < 0.002 | < 0.2 | 0.77 | < 5 | 420 | < 0.5 | 2 | 0.09 | < 0.5 | 3 | 75 | 1 | 1.23 | 10 | < 1 | 0.48 | 40 | 0.39 | 250 |
| 39573 | 208 | 294 | < 0.002 | 0.4 | 0.88 | < 5 | 630 | < 0.5 | < 2 | 0.12 | < 0.5 | 5 | 106 | < 1 | 1.58 | 10 | < 1 | 0.41 | 30 | 0.30 | 235 |
| 39574 | 208 | 294 | < 0.002 | 0.6 | 0.43 | < 5 | 580 | < 0.5 | < 2 | 0.08 | < 0.5 | 4 | 79 | < 1 | 1.61 | < 10 | < 1 | 0.18 | 30 | 0.06 | 265 |
| 39575 | 208 | 294 | < 0.002 | 0.4 | 0.10 | < 5 | 120 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 186 | < 1 | 0.50 | < 10 | < 1 | 0.06 | < 10 | < 0.01 | 115 |
| 39576 | 208 | 294 | < 0.002 | < 0.2 | 0.63 | < 5 | 330 | < 0.5 | 2 | 0.08 | < 0.5 | 3 | 67 | 2 | 1.20 | 10 | < 1 | 0.36 | 40 | 0.22 | 320 |
| 39577 | 208 | 294 | < 0.002 | < 0.2 | 0.23 | < 5 | 190 | < 0.5 | < 2 | 0.02 | < 0.5 | 2 | 154 | < 1 | 0.71 | < 10 | < 1 | 0.16 | < 10 | 0.02 | 210 |
| 39578 | 208 | 294 | < 0.002 | < 0.2 | 0.77 | < 5 | 350 | < 0.5 | < 2 | 0.08 | < 0.5 | 3 | 66 | 4 | 1.49 | 10 | < 1 | 0.37 | 50 | 0.29 | 320 |
| 39579 | 208 | 294 | < 0.002 | < 0.2 | 0.67 | < 5 | 270 | < 0.5 | < 2 | 0.07 | 1.0 | 3 | 108 | 10 | 1.25 | 10 | < 1 | 0.35 | 30 | 0.27 | 260 |
| 39580 | 208 | 294 | < 0.002 | < 0.2 | 0.68 | < 5 | 220 | < 0.5 | < 2 | 0.06 | < 0.5 | 2 | 85 | 4 | 1.05 | 10 | < 1 | 0.41 | 40 | 0.30 | 205 |
| 39581 | 208 | 294 | < 0.002 | < 0.2 | 1.00 | 5 | 390 | < 0.5 | < 2 | 0.12 | < 0.5 | 5 | 96 | 7 | 1.31 | 10 | < 1 | 0.58 | 40 | 0.49 | 280 |
| 39582 | 208 | 294 | < 0.002 | < 0.2 | 0.79 | < 5 | 280 | < 0.5 | < 2 | 0.08 | < 0.5 | 3 | 97 | 5 | 1.17 | 10 | < 1 | 0.49 | 40 | 0.26 | 260 |
| 39583 | 208 | 294 | < 0.002 | < 0.2 | 0.88 | < 5 | 300 | < 0.5 | < 2 | 0.08 | < 0.5 | 3 | 77 | 2 | 1.49 | 10 | < 1 | 0.48 | 40 | 0.31 | 240 |
| 39584 | 208 | 294 | < 0.002 | < 0.2 | 0.67 | < 5 | 260 | < 0.5 | < 2 | 0.05 | < 0.5 | 2 | 55 | 3 | 1.22 | 10 | < 1 | 0.43 | 50 | 0.27 | 240 |
| 39585 | 208 | 294 | < 0.002 | < 0.2 | 0.16 | < 5 | 100 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 131 | < 1 | 0.45 | < 10 | < 1 | 0.11 | 10 | 0.05 | 130 |
| 39586 | 208 | 294 | < 0.002 | < 0.2 | 0.64 | < 5 | 220 | < 0.5 | < 2 | 0.05 | < 0.5 | 3 | 67 | 1 | 1.45 | 10 | < 1 | 0.36 | 60 | 0.23 | 240 |
| 39587 | 208 | 294 | < 0.002 | < 0.2 | 0.69 | < 5 | 210 | < 0.5 | < 2 | 0.05 | < 0.5 | 3 | 67 | < 1 | 1.60 | 10 | < 1 | 0.40 | 60 | 0.28 | 230 |
| 39588 | 208 | 294 | < 0.002 | < 0.2 | 0.84 | < 5 | 410 | < 0.5 | < 2 | 0.06 | < 0.5 | 3 | 93 | < 1 | 1.73 | 10 | < 1 | 0.47 | 50 | 0.33 | 275 |
| 39589 | 208 | 294 | < 0.002 | < 0.2 | 0.98 | < 5 | 360 | < 0.5 | 2 | 0.14 | < 0.5 | 4 | 83 | < 1 | 1.75 | 10 | < 1 | 0.60 | 30 | 0.46 | 315 |
| 39590 | 208 | 294 | < 0.002 | < 0.2 | 0.28 | < 5 | 3510 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 36 | < 1 | 0.44 | < 10 | < 1 | 0.28 | < 10 | 0.03 | 140 |
| 39591 | 208 | 294 | < 0.002 | < 0.2 | 0.03 | < 5 | 170 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 249 | < 1 | 0.40 | < 10 | < 1 | < 0.01 | < 10 | < 0.01 | 95 |
| 39592 | 208 | 294 | < 0.002 | 0.8 | 0.27 | < 5 | 770 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 99 | < 1 | 1.54 | < 10 | < 1 | 0.27 | < 10 | 0.03 | 15 |
| 39593 | 208 | 294 | < 0.002 | < 0.2 | 0.45 | < 5 | 940 | < 0.5 | < 2 | < 0.01 | < 0.5 | < 1 | 104 | < 1 | 1.62 | < 10 | < 1 | 0.25 | 10 | 0.07 | 25 |
| 39594 | 208 | 294 | < 0.002 | < 0.2 | 0.78 | < 5 | 240 | < 0.5 | 2 | < 0.01 | < 0.5 | < 1 | 105 | < 1 | 0.95 | < 10 | < 1 | 0.56 | 30 | 0.45 | 75 |
| 39599 | 208 | 294 | < 0.002 | < 0.2 | 1.19 | < 5 | 540 | < 0.5 | < 2 | 0.18 | < 0.5 | 3 | 154 | 1 | 2.00 | < 10 | < 1 | 0.55 | 20 | 0.24 | 95 |
| 39600 | 208 | 294 | < 0.002 | < 0.2 | 0.89 | < 5 | 410 | < 0.5 | < 2 | 0.26 | < 0.5 | 3 | 82 | 2 | 1.72 | 10 | < 1 | 0.32 | 30 | 0.27 | 135 |

CERTIFICATION: B. Caufield

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To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAW
Comments: CC: ART TROUP


Invoice Date: 11-OCT-90
Invoice No. : I-9024260
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024260

| SAMPLE DESCRIPTION | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39563 | 208 294 | < 1 | 0.01 | 9 | 520 | 10 | < 5 | 4 | 9 | 0.04 | < 10 | < 10 | 12 | < 10 | 64 |
| 39564 | 208 294 | < 1 | 0.02 | 6 | 480 | 8 | < 5 | 3 | 15 | 0.05 | < 10 | < 10 | 12 | < 10 | 62 |
| 39565 | 208 294 | 2 | 0.02 | 7 | 500 | 10 | < 5 | 2 | 15 | 0.05 | < 10 | < 10 | 10 | < 10 | 80 |
| 39566 | 208 294 | < 1 | < 0.01 | 3 | 180 | 54 | < 5 | < 1 | 7 | < 0.01 | < 10 | < 10 | 2 | < 10 | 10 |
| 39567 | 208 294 | < 1 | 0.01 | 4 | 110 | 8 | < 5 | < 1 | 3 | < 0.01 | < 10 | < 10 | 2 | < 10 | 6 |
| 39568 | 208 294 | < 1 | 0.01 | 4 | 230 | 10 | < 5 | < 1 | 16 | 0.01 | < 10 | < 10 | 6 | < 10 | 26 |
| 39569 | 208 294 | < 1 | 0.03 | 5 | 460 | 32 | < 5 | 3 | 16 | 0.05 | < 10 | < 10 | 11 | < 10 | 112 |
| 39570 | 208 294 | < 1 | 0.02 | 3 | 270 | 10 | < 5 | 2 | 5 | 0.01 | < 10 | < 10 | 2 | < 10 | 36 |
| 39571 | 208 294 | < 1 | 0.03 | 4 | 250 | 12 | < 5 | 2 | 8 | 0.02 | < 10 | < 10 | 3 | < 10 | 40 |
| 39572 | 208 294 | < 1 | 0.02 | 4 | 300 | 12 | < 5 | 3 | 6 | 0.02 | < 10 | < 10 | 4 | < 10 | 42 |
| 39573 | 208 294 | < 1 | 0.01 | 5 | 360 | 30 | < 5 | 2 | 12 | 0.01 | < 10 | < 10 | 4 | < 10 | 40 |
| 39574 | 208 294 | < 1 | 0.02 | 3 | 260 | 40 | < 5 | 2 | 9 | < 0.01 | 10 | < 10 | < 1 | < 10 | 46 |
| 39575 | 208 294 | < 1 | < 0.01 | 2 | 40 | 10 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 8 |
| 39576 | 208 294 | < 1 | 0.02 | 2 | 260 | 10 | < 5 | 1 | 6 | 0.01 | < 10 | < 10 | 1 | < 10 | 36 |
| 39577 | 208 294 | < 1 | < 0.01 | 2 | 70 | 14 | < 5 | < 1 | 5 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 18 |
| 39578 | 208 294 | < 1 | 0.02 | 2 | 260 | 14 | < 5 | 2 | 8 | 0.01 | < 10 | < 10 | 2 | < 10 | 48 |
| 39579 | 208 294 | < 1 | 0.02 | 4 | 270 | 12 | < 5 | 1 | 6 | 0.02 | < 10 | < 10 | 7 | < 10 | 36 |
| 39580 | 208 294 | < 1 | 0.03 | 3 | 240 | 10 | < 5 | 2 | 4 | 0.02 | < 10 | < 10 | 5 | < 10 | 34 |
| 39581 | 208 294 | < 1 | 0.02 | 9 | 340 | 20 | < 5 | 2 | 6 | 0.03 | < 10 | < 10 | 9 | < 10 | 40 |
| 39582 | 208 294 | < 1 | 0.02 | 4 | 290 | 16 | < 5 | < 1 | 4 | 0.02 | < 10 | < 10 | 3 | < 10 | 38 |
| 39583 | 208 294 | < 1 | 0.02 | 2 | 310 | 12 | < 5 | 1 | 5 | 0.03 | < 10 | < 10 | 6 | < 10 | 48 |
| 39584 | 208 294 | < 1 | 0.02 | 2 | 260 | 20 | < 5 | 1 | 4 | 0.03 | < 10 | < 10 | 4 | < 10 | 40 |
| 39585 | 208 294 | < 1 | < 0.01 | 2 | 60 | 30 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 8 |
| 39586 | 208 294 | < 1 | 0.03 | 3 | 240 | 12 | < 5 | 1 | 5 | 0.03 | < 10 | < 10 | 4 | < 10 | 44 |
| 39587 | 208 294 | < 1 | 0.04 | 2 | 260 | 6 | < 5 | 1 | 5 | 0.03 | < 10 | < 10 | 5 | < 10 | 46 |
| 39588 | 208 294 | < 1 | 0.04 | 3 | 260 | 10 | < 5 | 2 | 9 | 0.04 | < 10 | < 10 | 7 | < 10 | 56 |
| 39589 | 208 294 | < 1 | 0.04 | 4 | 360 | 2 | < 5 | 2 | 16 | 0.06 | < 10 | < 10 | 12 | < 10 | 48 |
| 39590 | 208 294 | < 1 | < 0.01 | 1 | 40 | 26 | < 5 | < 1 | 83 | < 0.01 | < 10 | < 10 | 3 | < 10 | 6 |
| 39591 | 208 294 | < 1 | < 0.01 | 3 | < 10 | 2 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | 1 | < 10 | 6 |
| 39592 | 208 294 | < 1 | < 0.01 | < 1 | < 10 | 84 | < 5 | < 1 | 7 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 8 |
| 39593 | 208 294 | 2 | 0.03 | 1 | < 10 | 4 | < 5 | < 1 | 11 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 42 |
| 39594 | 208 294 | < 1 | 0.02 | 2 | 90 | < 2 | < 5 | < 1 | 14 | 0.03 | < 10 | < 10 | 1 | < 10 | 40 |
| 39599 | 208 294 | < 1 | 0.03 | 3 | 590 | 2 | < 5 | 4 | 8 | 0.02 | < 10 | < 10 | 11 | < 10 | 58 |
| 39600 | 208 294 | < 1 | 0.01 | 3 | 540 | 16 | < 5 | 2 | 14 | 0.01 | < 10 | < 10 | 6 | < 10 | 72 |

CERTIFICATION: B. Caryl

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1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9024261

Comments: CC: ART TROUP

## CERTIFICATE A9024261

ARBOR RESOURCES INC.

Project: AOR-DAW
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 11-OCT-90.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 208 | 68 | Assay ring to approx 150 mesh |
| 294 | 68 | Crush and split (0-10 pounds) |
| 238 | 68 | NITRIC-AQUA REGIA DIGESTION |
| * 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 |
|---|---|---|---|---|---|
| 398 | 68 | Au oz/T: 1/2 assay ton | FA-AAS | 0.002 | 20.00 |
| 922 | 68 | Ag ppm: 32 element, soil & rock | ICP-AES | 0.2 | 200 |
| 921 | 68 | Al %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 923 | 68 | As ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 924 | 68 | Ba ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 925 | 68 | Be ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 926 | 68 | Bi ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 927 | 68 | Ca %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 928 | 68 | Cd ppm: 32 element, soil & rock | ICP-AES | 0.5 | 100.0 |
| 929 | 68 | Co ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 930 | 68 | Cr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 931 | 68 | Cu ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 932 | 68 | Fe %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 933 | 68 | Ga ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 951 | 68 | Hg ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 934 | 68 | K %: 32 element, soil & rock | ICP-AES | 0.01 | 10.00 |
| 935 | 68 | La ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 936 | 68 | Mg %: 32 element, soil & rock | ICP-AES | 0.01 | 15.00 |
| 937 | 68 | Mn ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 938 | 68 | Mo ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 939 | 68 | Na %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 940 | 68 | Ni ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 941 | 68 | P ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 942 | 68 | Pb ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |
| 943 | 68 | Sb ppm: 32 element, soil & rock | ICP-AES | 5 | 10000 |
| 958 | 68 | Sc ppm: 32 elements, soil & rock | ICP-AES | 1 | 10000 |
| 944 | 68 | Sr ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 945 | 68 | Ti %: 32 element, soil & rock | ICP-AES | 0.01 | 5.00 |
| 946 | 68 | Tl ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 947 | 68 | U ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 948 | 68 | V ppm: 32 element, soil & rock | ICP-AES | 1 | 10000 |
| 949 | 68 | W ppm: 32 element, soil & rock | ICP-AES | 10 | 10000 |
| 950 | 68 | Zn ppm: 32 element, soil & rock | ICP-AES | 2 | 10000 |

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ATTN: LARRY MCLEAN
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VANCOUVER, BC
V6B 1N2

Project : AOR-DAW
Comments: CC: ART TROUP

Page Number : 1-A
Total Pages : 2
Invoice Date: 11-OCT-90
Invoice No. : I-9024261
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024261

| SAMPLE DESCRIPTION | PREP CODE | | Au oz/T | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37882 | 208 | 294 | 0.010 | 1.6 | 0.34 | < 5 | 80 | < 0.5 | < 2 | 0.02 | < 0.5 | 1 | 288 | 4 | 0.71 | < 10 | < 1 | 0.12 | < 10 | 0.04 | 45 |
| 37883 | 208 | 294 | < 0.002 | 0.6 | 0.53 | < 5 | 320 | < 0.5 | < 2 | 0.03 | < 0.5 | 1 | 253 | 3 | 0.61 | < 10 | < 1 | 0.22 | 20 | 0.09 | 40 |
| 37884 | 208 | 294 | < 0.002 | 0.4 | 0.56 | < 5 | 190 | < 0.5 | < 2 | 0.05 | < 0.5 | 1 | 167 | 6 | 0.95 | < 10 | < 1 | 0.29 | 10 | 0.08 | 75 |
| 37885 | 208 | 294 | < 0.002 | 1.6 | 2.08 | < 5 | 360 | < 0.5 | < 2 | 0.24 | 1.0 | 15 | 163 | 36 | 3.73 | < 10 | < 1 | 0.33 | 20 | 0.75 | 365 |
| 37886 | 208 | 294 | < 0.002 | 3.4 | 2.31 | 15 | 280 | < 0.5 | < 2 | 0.39 | 3.5 | 21 | 120 | 56 | 4.46 | < 10 | < 1 | 0.15 | 10 | 1.09 | 1265 |
| 37887 | 208 | 294 | < 0.002 | 1.2 | 2.36 | 20 | 420 | < 0.5 | 2 | 0.48 | 2.0 | 11 | 127 | 28 | 3.48 | < 10 | < 1 | 0.24 | 20 | 1.03 | 505 |
| 37888 | 208 | 294 | < 0.002 | 1.0 | 2.93 | < 5 | 420 | < 0.5 | < 2 | 0.79 | 1.5 | 12 | 100 | 22 | 3.75 | < 10 | < 1 | 0.31 | 10 | 1.37 | 590 |
| 37889 | 208 | 294 | < 0.002 | 3.0 | 2.37 | 20 | 290 | < 0.5 | < 2 | 0.56 | 4.0 | 23 | 77 | 58 | 4.61 | < 10 | < 1 | 0.18 | 10 | 0.96 | 1555 |
| 37890 | 208 | 294 | < 0.002 | 64.8 | 5.61 | 100 | 2100 | < 0.5 | < 2 | 0.32 | 81.0 | 229 | 36 | 452 | 13.20 | < 10 | < 1 | 0.37 | 30 | 0.53 | >10000 |
| 37891 | 208 | 294 | 0.002 | 15.4 | 1.97 | 850 | 660 | < 0.5 | < 2 | 0.21 | 6.5 | 12 | 63 | 354 | >15.00 | < 10 | < 1 | 0.46 | 70 | 0.10 | 295 |
| 37892 | 208 | 294 | < 0.002 | 5.4 | 2.86 | 15 | 360 | < 0.5 | < 2 | 0.46 | 3.5 | 27 | 50 | 48 | 4.68 | < 10 | < 1 | 0.34 | 20 | 1.12 | 1185 |
| 37893 | 208 | 294 | 0.110 | 80.0 | 0.72 | 10 | 280 | < 0.5 | 10 | 0.07 | 1.5 | 4 | 133 | 140 | 3.72 | < 10 | 23 | 0.11 | < 10 | 0.64 | 495 |
| 37894 | 208 | 294 | 0.002 | 7.2 | 0.84 | < 5 | 2730 | < 0.5 | 2 | 0.02 | 0.5 | 3 | 168 | 14 | 1.87 | < 10 | 5 | 0.47 | 10 | 0.14 | 270 |
| 37895 | 208 | 294 | 0.002 | 6.6 | 0.82 | 10 | 510 | < 0.5 | < 2 | 0.10 | 1.5 | 4 | 117 | 35 | 4.60 | < 10 | < 1 | 0.31 | 10 | 0.33 | 355 |
| 37896 | 208 | 294 | 0.002 | 6.0 | 3.44 | < 5 | 690 | < 0.5 | 2 | 0.24 | 4.5 | 12 | 178 | 74 | 3.80 | < 10 | < 1 | 0.37 | 20 | 3.62 | 1905 |
| 37897 | 208 | 294 | 0.010 | 20.4 | 1.72 | < 5 | 370 | < 0.5 | 6 | 0.16 | 12.0 | 14 | 163 | 134 | 2.60 | < 10 | < 1 | 0.18 | 10 | 1.96 | 2560 |
| 37898 | 208 | 294 | 0.044 | 54.6 | 2.24 | 5 | 770 | < 0.5 | 12 | 0.10 | 2.0 | 2 | 162 | 163 | 3.89 | < 10 | < 1 | 0.38 | 20 | 2.16 | 430 |
| 37899 | 208 | 294 | 0.042 | 97.8 | 1.12 | 20 | 450 | < 0.5 | 4 | 0.07 | 0.5 | 2 | 109 | 167 | 4.25 | < 10 | 4 | 0.22 | 20 | 0.91 | 160 |
| 37900 | 208 | 294 | 0.101 | 77.4 | 2.22 | 20 | 680 | < 0.5 | 8 | 0.13 | 0.5 | 3 | 131 | 225 | 5.07 | < 10 | 10 | 0.32 | 10 | 1.83 | 240 |
| 37901 | 208 | 294 | 0.010 | 33.6 | 1.15 | 10 | 560 | < 0.5 | 12 | 0.10 | 2.0 | 8 | 124 | 161 | 3.59 | < 10 | 2 | 0.34 | 20 | 0.75 | 730 |
| 37902 | 208 | 294 | 0.048 | 47.6 | 1.66 | 15 | 510 | < 0.5 | 12 | 0.12 | 6.5 | 12 | 150 | 181 | 3.04 | < 10 | 1 | 0.26 | 10 | 1.82 | 1480 |
| 37903 | 208 | 294 | 0.006 | 17.0 | 0.24 | < 5 | 130 | < 0.5 | 4 | 0.10 | 2.5 | 8 | 195 | 41 | 0.57 | < 10 | < 1 | 0.04 | < 10 | 0.19 | 855 |
| 37904 | 208 | 294 | 0.008 | 14.4 | 0.88 | 10 | 570 | < 0.5 | 14 | 0.07 | 1.0 | 2 | 142 | 129 | 3.67 | < 10 | < 1 | 0.32 | 20 | 0.45 | 180 |
| 37905 | 208 | 294 | 0.008 | 19.2 | 0.55 | 50 | 490 | < 0.5 | 6 | 0.05 | 0.5 | 2 | 140 | 167 | 4.66 | < 10 | 3 | 0.32 | 20 | 0.22 | 140 |
| 37906 | 208 | 294 | 0.002 | 11.0 | 0.71 | 55 | 630 | < 0.5 | 4 | 0.04 | < 0.5 | 1 | 154 | 53 | 3.77 | < 10 | < 1 | 0.44 | 10 | 0.21 | 50 |
| 37907 | 208 | 294 | 0.002 | 8.0 | 0.86 | 75 | 520 | < 0.5 | < 2 | 0.06 | 0.5 | 1 | 121 | 72 | 5.58 | < 10 | < 1 | 0.38 | 10 | 0.14 | 85 |
| 37908 | 208 | 294 | 0.008 | 30.8 | 0.56 | < 5 | 1570 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 172 | 6 | 1.83 | < 10 | 1 | 0.32 | 10 | 0.03 | 35 |
| 37909 | 208 | 294 | 0.043 | 21.8 | 0.70 | 390 | 500 | < 0.5 | < 2 | 0.09 | 0.5 | 5 | 133 | 82 | >15.00 | < 10 | 2 | 0.25 | 10 | 0.07 | 175 |
| 37910 | 208 | 294 | 0.004 | 16.0 | 0.80 | 55 | 580 | < 0.5 | < 2 | 0.03 | < 0.5 | 2 | 163 | 49 | 4.54 | < 10 | 7 | 0.50 | 10 | 0.09 | 75 |
| 37911 | 208 | 294 | 0.006 | 35.4 | 0.44 | 25 | 970 | < 0.5 | 2 | 0.01 | < 0.5 | 2 | 144 | 23 | 2.34 | < 10 | 13 | 0.24 | 10 | 0.06 | 55 |
| 37912 | 208 | 294 | < 0.002 | 7.6 | 0.54 | 40 | 450 | < 0.5 | 2 | 0.01 | < 0.5 | 1 | 145 | 7 | 2.30 | < 10 | 1 | 0.36 | 10 | 0.05 | 20 |
| 37913 | 208 | 294 | 0.010 | 38.0 | 0.52 | 20 | 800 | < 0.5 | 4 | 0.03 | 0.5 | 1 | 130 | 40 | 2.96 | < 10 | < 1 | 0.37 | 10 | 0.16 | 90 |
| 37914 | 208 | 294 | 0.004 | 10.6 | 1.70 | 75 | 710 | < 0.5 | 4 | 0.20 | 1.0 | 7 | 106 | 127 | 3.12 | < 10 | < 1 | 0.34 | 20 | 0.46 | 200 |
| 37915 | 208 | 294 | 0.002 | 22.2 | 0.44 | 35 | 550 | < 0.5 | < 2 | 0.04 | 0.5 | 3 | 168 | 59 | 2.38 | < 10 | < 1 | 0.20 | 10 | 0.06 | 60 |
| 37916 | 208 | 294 | < 0.002 | 6.4 | 2.13 | 50 | 640 | < 0.5 | 6 | 0.25 | 2.0 | 9 | 114 | 45 | 3.72 | < 10 | < 1 | 0.32 | 20 | 1.37 | 285 |
| 37917 | 208 | 294 | < 0.002 | 3.6 | 2.15 | 100 | 380 | < 0.5 | 4 | 0.21 | 3.0 | 10 | 148 | 62 | 3.47 | < 10 | < 1 | 0.15 | 10 | 1.88 | 630 |
| 37918 | 208 | 294 | < 0.002 | 2.6 | 2.06 | 60 | 480 | < 0.5 | 4 | 0.14 | 4.5 | 10 | 238 | 49 | 3.20 | < 10 | < 1 | 0.18 | 10 | 1.76 | 940 |
| 37919 | 208 | 294 | < 0.002 | 0.6 | 0.29 | < 5 | 610 | < 0.5 | < 2 | 0.01 | < 0.5 | 1 | 104 | 2 | 1.72 | < 10 | < 1 | 0.15 | < 10 | 0.05 | 145 |
| 37920 | 208 | 294 | 1.377 | >200 | 0.15 | 30 | 1670 | < 0.5 | 76 | < 0.01 | 1.5 | 2 | 301 | 328 | 4.93 | < 10 | 60 | < 0.01 | < 10 | 0.01 | 40 |
| 37921 | 208 | 294 | 0.040 | 22.8 | 0.40 | < 5 | 290 | < 0.5 | 4 | 1.21 | < 0.5 | 15 | 168 | 36 | 1.81 | < 10 | 2 | 0.01 | 10 | 0.29 | 175 |

CERTIFICATION: B. Caughlin

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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


To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAW
Comments: CC: ART TROUP


Invoice Date: 11-OCT-90
Invoice No. : I-9024261
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024261

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37882 | 208 | 294 | 1 | < 0.01 | 4 | 10 | 42 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 34 |
| 37883 | 208 | 294 | < 1 | 0.02 | 3 | 100 | 10 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 28 |
| 37884 | 208 | 294 | 1 | 0.02 | 3 | 100 | 38 | < 5 | 2 | 8 | < 0.01 | < 10 | < 10 | 2 | < 10 | 44 |
| 37885 | 208 | 294 | 1 | 0.02 | 12 | 850 | < 2 | < 5 | 3 | 12 | < 0.01 | < 10 | < 10 | 15 | < 10 | 214 |
| 37886 | 208 | 294 | 3 | < 0.01 | 26 | 1230 | < 2 | < 5 | 3 | 19 | 0.02 | < 10 | < 10 | 21 | < 10 | 408 |
| 37887 | 208 | 294 | 1 | 0.02 | 21 | 950 | 2 | < 5 | 4 | 25 | 0.09 | < 10 | < 10 | 32 | < 10 | 270 |
| 37888 | 208 | 294 | < 1 | 0.02 | 9 | 1070 | < 2 | < 5 | 4 | 45 | 0.21 | < 10 | < 10 | 20 | < 10 | 250 |
| 37889 | 208 | 294 | 3 | 0.01 | 18 | 1200 | < 2 | < 5 | 3 | 37 | 0.13 | < 10 | < 10 | 16 | < 10 | 542 |
| 37890 | 208 | 294 | 51 | 0.02 | 162 | 2350 | 28 | 15 | 10 | 94 | 0.02 | < 10 | < 10 | 26 | 10 | 3830 |
| 37891 | 208 | 294 | 18 | 0.04 | 24 | 5760 | 10 | 50 | 6 | 328 | < 0.01 | < 10 | < 10 | 34 | < 50 | 206 |
| 37892 | 208 | 294 | 2 | 0.01 | 16 | 1230 | 4 | < 5 | 5 | 25 | 0.01 | < 10 | < 10 | 27 | < 10 | 336 |
| 37893 | 208 | 294 | 2 | < 0.01 | 6 | 680 | 444 | 30 | 1 | 13 | 0.03 | < 10 | < 10 | 9 | < 10 | 270 |
| 37894 | 208 | 294 | 2 | 0.02 | 4 | 370 | 48 | < 5 | 1 | 54 | 0.04 | < 10 | < 10 | 10 | < 10 | 90 |
| 37895 | 208 | 294 | 3 | 0.03 | 5 | 840 | 112 | 5 | 2 | 63 | 0.04 | < 10 | < 10 | 9 | < 10 | 256 |
| 37896 | 208 | 294 | 2 | 0.01 | 12 | 800 | 102 | 5 | 4 | 21 | 0.02 | < 10 | < 10 | 24 | < 10 | 654 |
| 37897 | 208 | 294 | 1 | < 0.01 | 12 | 620 | 264 | 5 | 3 | 28 | < 0.01 | < 10 | < 10 | 11 | < 10 | 958 |
| 37898 | 208 | 294 | 1 | 0.01 | 7 | 690 | 424 | 30 | 3 | 45 | < 0.01 | < 10 | < 10 | 18 | < 10 | 500 |
| 37899 | 208 | 294 | 2 | 0.01 | 3 | 770 | 586 | 60 | 1 | 30 | < 0.01 | < 10 | < 10 | 10 | < 10 | 296 |
| 37900 | 208 | 294 | 3 | 0.01 | 7 | 750 | 352 | 30 | 3 | 24 | 0.01 | < 10 | < 10 | 14 | < 10 | 530 |
| 37901 | 208 | 294 | 2 | < 0.01 | 7 | 710 | 792 | 10 | 2 | 53 | 0.03 | < 10 | < 10 | 9 | < 10 | 466 |
| 37902 | 208 | 294 | 1 | < 0.01 | 10 | 640 | 564 | 15 | 2 | 23 | 0.01 | < 10 | < 10 | 14 | < 10 | 1180 |
| 37903 | 208 | 294 | < 1 | < 0.01 | 6 | 500 | 108 | 5 | < 1 | 7 | < 0.01 | < 10 | < 10 | 2 | < 10 | 192 |
| 37904 | 208 | 294 | 1 | 0.02 | 5 | 810 | 220 | 5 | 2 | 28 | 0.02 | < 10 | < 10 | 11 | < 10 | 214 |
| 37905 | 208 | 294 | 1 | 0.02 | 4 | 880 | 774 | 230 | 1 | 39 | 0.02 | < 10 | < 10 | 10 | < 10 | 244 |
| 37906 | 208 | 294 | 1 | 0.02 | 3 | 750 | 100 | 10 | 1 | 30 | 0.03 | < 10 | < 10 | 11 | < 10 | 58 |
| 37907 | 208 | 294 | 1 | 0.01 | 3 | 1200 | 28 | 10 | 4 | 49 | 0.03 | < 10 | < 10 | 14 | < 10 | 42 |
| 37908 | 208 | 294 | 1 | 0.18 | 2 | 1000 | 178 | 5 | 1 | 47 | < 0.01 | < 10 | < 10 | 6 | < 10 | 16 |
| 37909 | 208 | 294 | 17 | 0.12 | 9 | 3880 | 102 | 70 | 1 | 164 | < 0.01 | < 10 | < 10 | 21 | < 50 | 432 |
| 37910 | 208 | 294 | 3 | 0.02 | 3 | 630 | 88 | 15 | 2 | 28 | < 0.01 | < 10 | < 10 | 10 | < 10 | 48 |
| 37911 | 208 | 294 | 3 | 0.01 | 3 | 500 | 108 | 20 | < 1 | 28 | < 0.01 | < 10 | < 10 | 5 | < 10 | 66 |
| 37912 | 208 | 294 | 4 | 0.06 | 2 | 320 | 36 | 5 | < 1 | 46 | < 0.01 | < 10 | < 10 | 5 | < 10 | 12 |
| 37913 | 208 | 294 | 3 | 0.05 | 5 | 600 | 216 | 10 | < 1 | 68 | < 0.01 | < 10 | < 10 | 5 | < 10 | 78 |
| 37914 | 208 | 294 | 6 | 0.01 | 18 | 760 | 32 | 5 | 2 | 25 | < 0.01 | < 10 | < 10 | 34 | < 10 | 204 |
| 37915 | 208 | 294 | 4 | 0.02 | 8 | 470 | 46 | 5 | < 1 | 103 | < 0.01 | < 10 | < 10 | 9 | < 10 | 110 |
| 37916 | 208 | 294 | 3 | 0.01 | 19 | 870 | 64 | 5 | 2 | 24 | < 0.01 | < 10 | < 10 | 33 | < 10 | 344 |
| 37917 | 208 | 294 | 2 | < 0.01 | 46 | 660 | 118 | 5 | 2 | 25 | < 0.01 | < 10 | < 10 | 34 | < 10 | 430 |
| 37918 | 208 | 294 | 2 | 0.01 | 40 | 490 | 16 | 5 | 2 | 14 | < 0.01 | < 10 | < 10 | 43 | < 10 | 336 |
| 37919 | 208 | 294 | 3 | 0.01 | 4 | 100 | 14 | < 5 | < 1 | 6 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 18 |
| 37920 | 208 | 294 | 4 | < 0.01 | 7 | < 10 | 2850 | 220 | < 1 | 6 | < 0.01 | < 10 | 10 | < 1 | 50 | 518 |
| 37921 | 208 | 294 | < 1 | 0.04 | 20 | 290 | 198 | 5 | 1 | 161 | 0.07 | < 10 | < 10 | 26 | < 10 | 30 |

CERTIFICATION: B. Caufield

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
1000 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : AOR-DAW
Comments: CC: ART TROUP

Page Number : 2-B
Total Pages : 2
Invoice Date: 11-OCT-90
Invoice No. : I-9024261
P.O. Number :

## CERTIFICATE OF ANALYSIS A9024261

| SAMPLE DESCRIPTION | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37922 | 208 | 294 | < 1 | < 0.01 | 1 | 30 | 114 | < 5 | < 1 | 8 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 12 |
| 37923 | 208 | 294 | 2 | 0.01 | 4 | 520 | 34 | < 5 | 9 | 22 | < 0.01 | < 10 | < 10 | 7 | < 10 | 106 |
| 39384 | 208 | 294 | < 1 | 0.01 | 3 | 370 | 14 | < 5 | < 1 | 20 | < 0.01 | < 10 | < 10 | 2 | < 10 | 28 |
| 39388 + 39389 | 208 | 294 | 12 | < 0.01 | 5 | 130 | 594 | 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | 2 | < 10 | 108 |
| 39390 | 208 | 294 | < 1 | < 0.01 | 4 | < 10 | 18 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 6 |
| 39391 | 208 | 294 | 1 | 0.01 | 1 | 70 | 66 | < 5 | < 1 | 4 | < 0.01 | < 10 | < 10 | < 1 | 20 | 24 |
| 39392 | 208 | 294 | < 1 | < 0.01 | 4 | 10 | 14 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 2 |
| 39393 | 208 | 294 | < 1 | < 0.01 | 3 | 30 | 6 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 2 |
| 39394 | 208 | 294 | 1 | < 0.01 | 4 | 90 | 66 | < 5 | < 1 | 24 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 6 |
| 39395 | 208 | 294 | < 1 | < 0.01 | 4 | 10 | < 2 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | < 2 |
| 39396 | 208 | 294 | 6 | 0.01 | 7 | 400 | >10000 | 10 | 3 | 15 | 0.02 | < 10 | < 10 | 23 | < 50 | 1450 |
| 39397 | 208 | 294 | 9 | 0.02 | 14 | 400 | 4700 | < 5 | 4 | 9 | 0.02 | < 10 | < 10 | 28 | < 50 | 3360 |
| 39398 | 208 | 294 | 24 | 0.01 | 15 | 1000 | >10000 | < 5 | 5 | 14 | 0.01 | 10 | 70 | 27 | < 50 | 9190 |
| 39399 | 208 | 294 | 2 | 0.03 | 19 | 200 | 4810 | < 5 | 2 | 7 | 0.01 | < 10 | < 10 | 27 | < 50 | 3550 |
| 39400 | 208 | 294 | 2 | < 0.01 | 8 | 130 | 4070 | < 5 | < 1 | 17 | < 0.01 | < 10 | < 10 | 7 | < 10 | 2940 |
| 39401 | 208 | 294 | 1 | < 0.01 | 4 | < 10 | 356 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 120 |
| 39402 | 208 | 294 | < 1 | < 0.01 | 5 | 40 | 242 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 42 |
| 39403 | 208 | 294 | < 1 | < 0.01 | 4 | < 10 | 134 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 18 |
| 39404 | 208 | 294 | < 1 | 0.04 | 1 | 40 | 122 | < 5 | < 1 | 13 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 24 |
| 39405 | 208 | 294 | 7 | 0.03 | 2 | 100 | 174 | < 5 | 2 | 14 | 0.04 | < 10 | < 10 | 8 | < 10 | 50 |
| 39406 | 208 | 294 | < 1 | 0.04 | 1 | < 10 | 66 | < 5 | < 1 | 36 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 10 |
| 39407 | 208 | 294 | < 1 | < 0.01 | 3 | < 10 | 52 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 4 |
| 39408 | 208 | 294 | < 1 | < 0.01 | 4 | < 10 | 50 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 4 |
| 39409 | 208 | 294 | < 1 | < 0.01 | 4 | < 10 | 44 | < 5 | < 1 | < 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 4 |
| 39410 | 208 | 294 | < 1 | < 0.01 | 6 | < 10 | 54 | < 5 | < 1 | 1 | < 0.01 | < 10 | < 10 | 1 | < 10 | 102 |
| 39411 | 208 | 294 | < 1 | < 0.01 | 10 | 110 | 44 | < 5 | < 1 | 15 | < 0.01 | < 10 | < 10 | 8 | < 10 | 24 |
| 39412 | 208 | 294 | 1 | < 0.01 | 5 | 310 | 822 | < 5 | < 1 | 2 | < 0.01 | < 10 | < 10 | 1 | < 10 | 196 |
| 39413 | 208 | 294 | 1 | 0.01 | 76 | 460 | 24 | < 5 | 1 | 19 | 0.13 | < 10 | < 10 | 33 | < 10 | 50 |

CERTIFICATION: B. Caplin

Northern Analytical Laboratories ltd.

October 23,1990

Work Order # 08473

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

File # 08473a

Sample: Rock

## Assay Certificate for Samples Provided

| Sample | ppb Au |
|---|---|
| 39677 | <10 |
| 39678 | <10 |
| 39679 | <10 |
| 39680 | <10 |
| 39681 | <10 |
| 39682 | <10 |
| 39683 | <10 |
| 39684 | 15 |
| 39685 | <10 |
| 39686 | <10 |
| 39687 | 12 |
| 39688 | <10 |
| 39689 | <10 |
| 39690 | <10 |
| 39691 | 13 |
| 39692 | <10 |
| 39693 | <10 |
| 39694 | 11 |
| 39695 | <10 |
| 39696 | 46 |
| 39697 | <10 |
| 39698 | 35 |
| 39699 | 232 |
| 39700 | 322 |
| 37946 | <10 |
| 37947 | 20 |
| 37969 | 16 |
| 37970 | <10 |
| 37971 | <10 |
| 37973 | 18 |

Au -- 15g Fire Assay/AAS

Applied Science Technologists and Technicians of British Columbia
6992
GERALD F. HAYES
A. Sc. T.

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

October 23,1990

**Work Order #** 08473

**File #** 08473b

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**Sample:** Rock

## Assay Certificate for Samples Provided

| Sample | ppb Au |
|---|---|
| 37975 | 10 |
| 37976 | <10 |
| 37977 | <10 |
| 37978 | <10 |
| 37979 | <10 |
| 37981 | 20 |
| 01805 | 17 |
| 01806 | 162 |
| 01807 | 27 |
| 01808 | 2114 |
| 01809 | 691 |
| 01810 | 1955 |
| 01811 | 317 |
| 01812 | 74 |
| 01813 | 312 |
| 01814 | <10 |
| 01815 | <10 |
| 01816 | <10 |
| 01817 | 138 |
| 01818 | 10 |
| 01819 | <10 |
| 01820 | <10 |
| 01821 | <10 |

Au -- 15g Fire Assay/AAS

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# APPENDIX IV

## ROTARY DRILL LOGS

# PERCUSSION DRILL LOG



| Gay Gulch | 30 m. @ 080° from the Freegold Vein | 2250 ft. | Oct. 27 1990 | 90 R 1 |
|---|---|---|---|---|
| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |

| -60° | 250° | Nil | 100 ft. | 0 ft. - Floor of Creek |
|---|---|---|---|---|
| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |

To intersect Freegold Vein below surface outcrop with visible gold showing.
Purpose

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OXIDIZED) QUARTZ BIOTITE MUSCOVITE SCHIST | | | | | | | |
| 5 | 10 | MEDIUM BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 10 | 15 | PALE BROWN (WEAKLY OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 15 | 20 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 20 | 25 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 25 | 30 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 30 | 35 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 35 | 40 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 40 | 45 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST WITH TRACE PYRITE | | | | | | | |
| 45 | 50 | WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 50 | 55 | WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 55 | 60 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 60 | 65 | BROWN QUARTZ BIOTITE MUSCOVITE SCHIST - WET SAMPLE WATER FLOW? - POSSIBLE FRACTURE OR FAULT ZONE? | | | | | | | |
| 65 | 70 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 70 | 75 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 75 | 80 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 80 | 85 | PALE BROWN QUARTZ BIOTITE MUSCOVITE SCHIST | | | | | | | |
| 85 | 90 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 90 | 95 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 95 | 100 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| GAY GULCH | GAY G. I.P.L. | 13+32.5E | | OCT 27, 28 1990 | 90R2 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 100 ft | |

Purpose: To test I.P anomaly thought to represent quartz veins

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 5 | 10 | " " " " " | | | | | | | |
| 10 | 15 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 15 | 20 | LIGHT BROWN (WEAKLY OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 20 | 25 | " " " " " " " | | | | | | | |
| 25 | 30 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 30 | 35 | " " " " " " | | | | | | | |
| 35 | 40 | " " " " " " WITH MUCH WATER - POSSIBLE FRACTURE OR FAULT ZONE | | | | | | | |
| 40 | 45 | WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 45 | 50 | " " " " | | | | | | | |
| 50 | 55 | LIGHT BROWN (WEAKLY OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 55 | 60 | " " " " " " " | | | | | | | |
| 60 | 65 | " " " " " " " | | | | | | | |
| 65 | 70 | " " " " " " WITH MUCH WATER - POSSIBLE FRACTURE OR FAULT ZONE | | | | | | | |
| 70 | 75 | LIGHT BROWN (WEAKLY OXIDIZED) QUARTZ MUSCOVITE SCHIST WITH MUCH WATER POSSIBLE FRACTURE OR FAULT ZONE | | | | | | | |
| 75 | 86 | LIGHT BROWN (WEAKLY OXIDIZED) QUARTZ MUSCOVITE SCHIST WITH MUCH WATER - POSSIBLE FRACTURE OR FAULT ZONE | | | | | | | |
| 86 | 85 | LIGHT BROWN (WEAKLY OXIDIZED) QUARTZ MUSCOVITE SCHIST WITH MUCH WATER - POSSIBLE FRACTURE OR FAULT ZONE | | | | | | | |
| 85 | 90 | LIGHT BROWN (WEAKLY OXIDIZED) QUARTZ MUSCOVITE SCHIST WITH MUCH WATER - POSSIBLE FRACTURE OR FAULT ZONE | | | | | | | |
| 96 | 95 | LIGHT BROWN (WEAKLY OXIDIZED) QUARTZ MUSCOVITE SCHIST WITH MUCH WATER - POSSIBLE FRACTURE OR FAULT ZONE | | | | | | | |
| 95 | 100 | LIGHT BROWN (WEAKLY OXIDIZED) QUARTZ MUSCOVITE SCHIST WITH MUCH WATER POSSIBLE FRACTURE OR FAULT ZONE | | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| GAY GULCH | GAY GULCH | I.P. L 12+90E | | OCT. 28, 1990 | 90R3 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -60° | 240° | | 100 ft | |

Purpose: To test I.P. anomally thought to represent quartz veins

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 5 | 10 | " " " " " | | | | | | | |
| 10 | 15 | PALE GREY/WHITE " " " | | | | | | | |
| 15 | 20 | " " " " " " | | | | | | | |
| 20 | 25 | " " " " " " | | | | | | | |
| 25 | 30 | WHITE " " " | | | | | | | |
| 30 | 35 | " " " " " WITH | | | | | | | |
| | | MUCH WATER - POSSIBLE FRACTURE OR FAULT ZONE | | | | | | | |
| 35 | 40 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 40 | 45 | " " " " " " | | | | | | | |
| 45 | 50 | " " " " " " | | | | | | | |
| 50 | 55 | " " " " " " | | | | | | | |
| 55 | 60 | " " " " " WITH | | | | | | | |
| | | MUCH WATER - POSSIBLE FRACTURE OR FAULT ZONE | | | | | | | |
| 60 | 65 | AS FOR 55-60 | | | | | | | |
| 65 | 70 | " " " " | | | | | | | |
| 70 | 75 | " " " " | | | | | | | |
| 75 | 80 | " " " " | | | | | | | |
| 80 | 85 | " " " " WITH 1% FINELY DISSEMINATED BLACK MINERAL | | | | | | | |
| 85 | 90 | " " " " " 10% " COARSER " " | | | | | | | |
| 90 | 95 | " " " " " 1% " " " " | | | | | | | |
| 95 | 100 | " " " " " " " " " " | | | | | | | |
| | | END OF HOLE | | | | | | | |
| | | BLACK MINERAL MAY BE SPHALERITE, MAGNETITE OR MAFIC | | | | | | | |

# PERCUSSION DRILL LOG



| GAY GULCH | 15 m E 080° | FROM FREEGOLD VN IN CK | | OCT 28, 1990 | 90 R4 |
|---|---|---|---|---|---|
| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
| -45° | 250° | | 80 ft | | |
| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth | |

To intersect quartz vein with v.g. at depth.
Purpose

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 5 | 10 | LIGHT BROWN (WEAKLY OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 10 | 15 | " " " " " " " | | | | | | | |
| 15 | 20 | " " " " " " " | | | | | | | |
| 20 | 25 | " " " " " " " | | | | | | | |
| | | TRACE RUSTY PYRITE SEEDS | | | | | | | |
| 25 | 30 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 30 | 35 | " " " " " " | | | | | | | |
| 35 | 40 | " " " " " " | | | | | | | |
| 40 | 45 | " " " " " " | | | | | | | |
| 45 | 50 | " " " " " " | | | | | | | |
| 50 | 55 | " " " " " " | | | | | | | |
| 55 | 60 | " " " " " " | | | | | | | |
| 60 | 65 | WHITE " " " " | | | | | | | |
| 65 | 70 | " " " " " | | | | | | | |
| 70 | 75 | " " " " " | | | | | | | |
| 75 | 80 | " " " " " | | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| | | | | | |
|---|---|---|---|---|---|
| GAY GULCH | 15m @ 260° FROM FREE GOLD VN IN CK | | | OCT 28-29, 1990 | 90 RS |
| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
| -45° | 070° | | 125 ft | | |
| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth | |

To intersect quartz vein with v.g at depth.
Purpose

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 5 | 10 | PALE BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 10 | 15 | PALE GREY/WHITE " " " | | | | | | | |
| 15 | 20 | " " " | | | | | | | |
| 20 | 25 | " " " | | | | | | | |
| 25 | 30 | " " " | | | | | | | |
| 30 | 35 | " " " | | | | | | | |
| 35 | 40 | " " " | | | | | | | |
| 40 | 45 | " " " | | | | | | | |
| 45 | 50 | " " " | | | | | | | |
| 50 | 55 | WHITE " " | | | | | | | |
| 55 | 60 | " " " | | | | | | | |
| 60 | 65 | " " " | | | | | | | |
| 65 | 70 | " " " | | | | | | | |
| 70 | 75 | PALE BROWN " " | | | | | | | |
| 75 | 80 | VERY PALE BROWN " " | | | | | | | |
| 80 | 85 | DARK GREY/WHITE (WET SAMPLE) QTZ " " | MUCH WATER | | | | | | |
| 85 | 90 | PALE BROWN QUARTZ BIOTITE MUSCOVITE SCHIST | | | | | | | |
| 90 | 95 | " " " " " WITH MUCH WATER - POSSIBLE FRACTURE OR FAULT ZONE | | | | | | | |
| 95 | 100 | WHITE QUARTZ BIOTITE MUSCOVITE SCHIST | | | | | | | |
| 100 | 105 | " " " " " | | | | | | | |
| 105 | 110 | BROWN (WET) QUARTZ BIOTITE MUSCOVITE SCHIST WITH MUCH WATER - POSSIBLE FRACTURE OR FAULT ZONE | | | | | | | |
| 110 | 115 | as for 105-110 | | | | | | | |
| 115 | 120 | as for 105-110 | | | | | | | |
| 120 | 125 | DARK BROWN QUARTZ BIOTITE MUSCOVITE SCHIST | | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| GAY GULCH | 30m @ 090° | FROM TOP OF 90GGTR02 | | OCT 29, 1990 | 90R6 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -60° | 210° | | 150 ft | |

Purpose: To test for Free gold vein interpolation between Gay Gulch & 90GGTR02

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | RED BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 5 | 10 | as for 0-5 | | | | | | | |
| 10 | 15 | PALE BROWN QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 15 | 20 | " " " " " | | | | | | | |
| 20 | 25 | " " " " " | | | | | | | |
| 25 | 30 | " " " " " | | | | | | | |
| 30 | 35 | PALE GREY/WHITE " " " | | | | | | | |
| 35 | 40 | " " " " " | | | | | | | |
| 40 | 45 | " " " " " | | | | | | | |
| 45 | 50 | PALE BROWN " " " | | | | | | | |
| 50 | 55 | " " " " " | | | | | | | |
| 55 | 60 | " " " " " | | | | | | | |
| 60 | 65 | " " " " " | | | | | | | |
| 65 | 70 | " " " " " | | | | | | | |
| 70 | 75 | " " " " " | | | | | | | |
| 75 | 80 | " " " " " | | | | | | | |
| 80 | 85 | " " " " " | | | | | | | |
| 85 | 90 | " " " " " | | | | | | | |
| 90 | 95 | " " " " " | | | | | | | |
| 95 | 100 | " " " " " | | | | | | | |
| 100 | 105 | " " " " " | | | | | | | |
| 105 | 110 | " " " " " | | | | | | | |
| 110 | 115 | " " " " " | | | | | | | |
| 115 | 120 | " " " " " | | | | | | | |
| 120 | 125 | " " " " " | | | | | | | |
| 125 | 130 | " " " " " | | | | | | | |
| 130 | 135 | " " " " " | | | | | | | |
| 135 | 140 | " " " " " | | | | | | | |
| 140 | 145 | " " " " " | | | | | | | |
| 145 | 150 | " " " " " | | | | | | | |

END OF HOLE

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| GAY GULCH | 30m @ 090° FROM TOP OF 9066TR02 | | | OCT. 29, 1990 | 90R7 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | - | | 200' | |

Purpose: To test for Free gold vein interpolation between Gay Gulch & 9066TR02.

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 5 | 10 | " " " " " " | | | | | | | |
| 10 | 15 | " " " " " " | | | | | | | |
| 15 | 20 | " " " " " " | | | | | | | |
| 20 | 25 | " " " " " " | | | | | | | |
| 25 | 30 | " " " " " " | | | | | | | |
| 30 | 35 | PALE " " " " " | | | | | | | |
| 35 | 40 | " " " " " " | | | | | | | |
| 40 | 45 | " " " " " " | | | | | | | |
| 45 | 50 | " " " " " " | | | | | | | |
| 50 | 55 | " " " " " " | | | | | | | |
| 55 | 60 | " " " " " " | | | | | | | |
| 60 | 65 | " " " " " " | | | | | | | |
| 65 | 70 | " " " " " " | | | | | | | |
| 70 | 75 | " " " " " " | | | | | | | |
| 75 | 80 | " " " " " " | | | | | | | |
| 80 | 85 | PALE GREY/WHITE " " " | | | | | | | |
| 85 | 90 | " " " " " " | | | | | | | |
| 90 | 95 | PALE BROWN " " " | | | | | | | |
| 95 | 100 | " " " " " " | | | | | | | |
| 100 | 105 | PALE GREY/WHITE " " " | | | | | | | |
| 105 | 110 | " " " " " " | | | | | | | |
| 110 | 115 | " " " " " " | | | | | | | |
| 115 | 120 | " " " " " " | | | | | | | |
| 120 | 125 | " " " " " " | | | | | | | |
| 125 | 130 | " " " " " " | | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



90R1
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 130 | 135 | PALE GREY/WHITE QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 135 | 140 | " " " " " " | | | | | | | |
| 140 | 145 | " " " " " " | | | | | | | |
| 145 | 150 | " " " " " " | | | | | | | |
| 150 | 155 | " " " " " " | | | | | | | |
| 155 | 160 | " " " " " " | | | | | | | |
| 160 | 165 | " " " " " " | | | | | | | |
| 165 | 170 | " " " " " " | | | | | | | |
| 170 | 175 | " " " " " " | | | | | | | |
| 175 | 180 | " " " " " " | | | | | | | |
| 180 | 185 | " " " " " " | | | | | | | |
| 185 | 190 | " " " " " " | | | | | | | |
| 190 | 195 | " " " " " " | | | | | | | |
| 195 | 200 | " " " " " " | | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | OLD I.P.L. 2+755 | 0+00 | +28 ft | OCT 29 1990 | 90 RS |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 150' ft | |

Purpose: Pattern drilling for mineralized horizon.

| Footage From | Footage To | Description | Sample Number | Assays oz/ton Au ~~ppb~~ | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | MEDIUM GREEN QUARTZ MUSCOVITE SERICITE TRACE RUSTY PYRITE | | | | | | | |
| 5 | 10 | " " " " " " " | | | | | | | |
| 10 | 15 | PALE GREY/WHITE " " " | 2% PYRITE | | | | | | |
| 15 | 20 | PALE GREY/WHITE QUARTZ " " | " " | | | | | | |
| 20 | 25 | PALE GREY/GREEN " " " | " " | | | | | | |
| 25 | 30 | " " " " " | " " | | | | | | |
| 30 | 35 | " " " " " | " " | | | | | | |
| 35 | 40 | " " " " " | " " | | | | | | |
| 40 | 45 | PALE GREY/WHITE " " | " " | | | | | | |
| 45 | 50 | " " " " " | TRACE " | | | | | | |
| 50 | 55 | PALE GREY/GREEN " " | 1% " | | | | | | |
| 55 | 60 | PALE GREY/WHITE " " | 2% " | | | | | | |
| 60 | 65 | " " " " " | " " | | | | | | |
| 65 | 70 | " " " " " | " " | | AVERAGE | | | | |
| 70 | 75 | MEDIUM GREY " " | " " | | | | | | |
| 75 | 80 | PALE GREY/WHITE " " | " " | | | | | | |
| 80 | 85 | MEDIUM GREY (DARK) " " | " " | | | | | | |
| 85 | 90 | PALE GREY/WHITE " " | " " | | | | | | |
| 90 | 95 | " " " " " | " " | | | | | | |
| 95 | 100 | PALE GREY/GREEN " " | " " | | | | | | |
| 100 | 105 | " " " " " | " " | | | | | | |
| 105 | 110 | " " " " " | " " | | 0.078 | | | | |
| 110 | 115 | " " " " " | TRACE MAGNET | | | | | | |
| 115 | 120 | PALE GREY/GREEN " " | 2% PYRITE | | | | | | |
| 120 | 125 | PALE GREY/GREEN " " | " " | | | | | | |
| 125 | 130 | " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " | " " | | | | | | |
| 135 | 140 | PALE GREY/WHITE " " | " " | | | | | | |
| 140 | 145 | " " " " " | " " | | | | | | |
| 145 | 150 | " " " " " | " " | 0.336 | | | | | |

END OF HOLE

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | OLD IPL 2+75S | 0+50W | +53 ft | Oct 29-30, 1990 | 90R9 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 150 ft | |

Purpose: Pattern drilling for mineralized horizon.

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Assays Ag | Assays As | Assays Cu | Assays Pb | Assays Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | RED BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 5 | 10 | 〃 | | | | | | | |
| 10 | 15 | 〃 | | | | | | | |
| 15 | 20 | PALE GREY/WHITE | | | | | | | |
| 20 | 25 | 〃 | | | | | | | |
| 25 | 30 | 〃 | | | | | | | |
| 30 | 35 | 〃 | | | | | | | |
| 35 | 40 | 〃 | | | | | | | |
| 40 | 45 | 〃 | | | | | | | |
| 45 | 50 | 〃 | | | | | | | |
| 50 | 55 | 〃 | | | | | | | |
| 55 | 60 | 〃 | TRACE PYRITE | | | | | | |
| 60 | 65 | 〃 | 〃 | | | | | | |
| 65 | 70 | 〃 | 〃 | | | | | | |
| 70 | 75 | 〃 | 〃 | | | | | | |
| 75 | 80 | 〃 | 〃 | | | | | | |
| 80 | 85 | 〃 | 〃 | | | | | | |
| 85 | 90 | 〃 | 〃 | | | | | | |
| 90 | 95 | 〃 | 〃 | | AVERAGE | | | | |
| 95 | 100 | 〃 | 〃 | | 0.424 | | | | |
| 100 | 105 | 〃 | 〃 | | | | | | |
| 105 | 110 | 〃 | 〃 | | | | | | |
| 110 | 115 | 〃 | 〃 | | 0.132 | | | | |
| 115 | 120 | 〃 | 〃 | | | | | | |
| 120 | 125 | 〃 | 〃 | | | | | | |
| 125 | 130 | 〃 | 〃 | | | | | | |
| 130 | 135 | 〃 | 〃 | | | | | | |
| 135 | 140 | 〃 | 〃 | | | | | | |
| 140 | 145 | 〃 | 〃 | | | | | | |
| 145 | 150 | 〃 | 〃 | | | | | | |

END OF HOLE

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | OLD I.P.L. | 2+755 1+00W | +71 ft. | OCT 30, 1990 | 90R10 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 150 ft | |

Purpose: Pattern drilling for mineralized horizon.

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Assays ~~Ag~~ | Assays As | Assays Cu | Assays Pb | Assays Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | BROWN (OXIDIZED) QUARTZ, MUSCOVITE SCHIST | | | | | | | |
| 5 | 10 | PALE BROWN " " " " " | | | | | | | |
| 10 | 15 | " " " " " " | | | | | | | |
| 15 | 20 | " " " " " " | TRACE PYRITE | | | | | | |
| 20 | 25 | " " " " " " | " " | | | | | | |
| 25 | 30 | PALE GREY/WHITE " " " " | " " | | | | | | |
| 30 | 35 | " " " " " " | " " | | | | | | |
| 35 | 40 | " " " " " " | " " | | | | | | |
| 40 | 45 | " " " " " " | " " | | AVERAGE | | | | |
| 45 | 50 | " " " " " " | " " | | 0.05 | | | | |
| 50 | 55 | " " " " " " | " " | | | | | | |
| 55 | 60 | " " " " " " | " " | | | | | | |
| 60 | 65 | " " " " " " | " " | | | | | | |
| 65 | 70 | " " " " " " | " " | | | | | | |
| 70 | 75 | " " " " " " | " " | | | | | | |
| 75 | 80 | " " " " " " | " " | | | | | | |
| 80 | 85 | " " " " " " | " " | | | | | | |
| 85 | 90 | " " " " " " | " " | | | | | | |
| 90 | 95 | " " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " " | " " | | | | | | |
| 100 | 105 | " " " " " " | " " | | | | | | |
| 105 | 110 | " " " " " " | " " | | | | | | |
| 110 | 115 | " " " " " " | " " | | | | | | |
| 115 | 120 | " " " " " " | " " | | | | | | |
| 120 | 125 | " " " " " " | " " | | | | | | |
| 125 | 130 | " " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " " | " " | | | | | | |
| 135 | 140 | " " " " " " | " " | | | | | | |
| 140 | 145 | " " " " " " | " " | | | | | | |
| 145 | 150 | " " " " " " | " " | | | | | | |

END OF HOLE

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | OLD IPL 2+255 | 0+00 | +0 ft | OCT 30 1990 | 90 R 11 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 150 ft | |

Purpose: Pattern drilling for mineralized horizon

| Footage From | Footage To | Description | Sample Number | oz/Ton Au ~~ppb~~ | Average Ag | Assays As | Assays Cu | Assays Pb | Assays Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | CHLORITIC BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE PYRITE | | | | | | |
| 5 | 10 | RED BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | " " | | | | | | |
| 10 | 15 | " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " " " | TRACE " | 0.290 | 0.69 | | | | |
| 20 | 25 | " " " " " " | " " | | | | | | |
| 25 | 30 | SLIGHTLY " " " " " | " " | | | | | | |
| 30 | 35 | " " " " " " | 1% PYRITE | | | | | | |
| 35 | 40 | PALE GREEN QUARTZ MUSCOVITE SCHIST | " " | | | | | | |
| 40 | 45 | " " " " " " | " " | | | | | | |
| 45 | 50 | " " " " " " | " " | | | | | | |
| 50 | 55 | " " " " " " | " " | | | | | | |
| 55 | 60 | " " " " " " | " " | | | | | | |
| 60 | 65 | " " " " " " | " " | | | | | | |
| ~~65~~ | 70 | " " " " " " | " " | | | | | | |
| 70 | 75 | " " " " " " | " " | | | | | | |
| 75 | 80 | " " " " " " | " " | | | | | | |
| 80 | 85 | " " " " " " | " " | | | | | | |
| 85 | 90 | " " " " " " | " " | | | | | | |
| 90 | 95 | " " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " " | " " | | | | | | |
| 100 | 105 | " " " " " " | " " | | | | | | |
| 105 | 110 | " " " " " " | " (W2T) | | | | | | |
| 110 | 115 | " " " " " " | " (W2T) | | | | | | |
| 115 | 120 | " " " " " " | " (W=T) | | | | | | |
| 120 | 125 | " " " " " " | " " | | | | | | |
| 125 | 130 | " " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " " | " " | | | | | | |
| 135 | 140 | " " " " " " | " " | | | | | | |
| 140 | 145 | " " " " " " | " " | | | | | | |
| 145 | 150 | " " " " " " | " " | | | | | | |

END OF HOLE

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | OLD IPL | 2+255 0+50W | +28 ft | OCT. 30 1990 | 90R12 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 150 ft | |

Purpose: Pattern drilling for mineralized horizon

| Footage From | Footage To | Description | Sample Number | Assays oz/ton Au ~~ppb~~ | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | RUSTY BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE RUSTY PYRITE | | | | | | |
| 5 | 10 | " " " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " " " | 1930 " | | | | | | |
| 20 | 25 | SLIGHTLY RUSTY " " " " | 1920 " | | | | | | |
| 25 | 30 | PALE GREY/WHITE " " " " | " PYRITE | | | | | | |
| 30 | 35 | " " " " " " | " " | | | | | | |
| 35 | 40 | " " " " " " | " " | | | | | | |
| 40 | 45 | " " " " " " | " " | | | | | | |
| 45 | 50 | " " " " " " | " " | | | | | | |
| 50 | 55 | " " " " " " | " " | | | | | | |
| 55 | 60 | " " " " " " | " " | | | | | | |
| 60 | 65 | " " " " " " | " " | | | | | | |
| 65 | 70 | " " " " " " | " " | | | | | | |
| 70 | 75 | " " " " " " | " " | | | | | | |
| 75 | 80 | " " " " " " | " " | | | | | | |
| 80 | 85 | " " " " " " | " " | | | | | | |
| 85 | 90 | " " " " " " | " " | | | | | | |
| 90 | 95 | " " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " " | " " | | | | | | |
| 100 | 105 | " " " " " " | " " | | | | | | |
| 105 | 110 | " " " " " " | " " | | | | | | |
| 110 | 115 | " " " " " " | " " | | | | | | |
| 115 | 120 | " " " " " " | " " | | | | | | |
| 120 | 125 | " " " " " " | " " | | | | | | |
| 125 | 130 | " " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " " | " " | 0.062 | | | | | |
| 135 | 140 | DARK BROWN (OXI) QUARTZ CHLORITE MUSCOVITE SCHIST | 2320 " | | | | | | |
| 140 | 145 | " " " " " " | " " | | | | | | |
| 145 | 150 | " " " " " " | " " | | | | | | |

END OF HOLE

# PERCUSSION DRILL LOG



90 R 12
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 135 | 150 | NOTE - CUTTINGS ARE VERY FINE GRAINED - POSSIBLE FAULT GOUGE (?) ASSOCIATED WITH THE WATER INFLOW | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | OLD IOL 2+25S | 1+00W | +60 ft | OCT 30, 1990 | 90 R 15 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 150 ft | |

Purpose: Pattern drilling for mineralized horizon

| Footage From | Footage To | Description | Sample Number | Assays oz/ton Au | Assays ppb Au | Assays Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | RUSTY BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE PYRITE | | | | | | | |
| 5 | 10 | " " " " " " | " " | | | | | | | |
| 10 | 15 | PALE BROWN (OXIDIZED) " " " | " " | | | | | | | |
| 15 | 20 | " " " " " " | " " | | | | | | | |
| 20 | 25 | " " " " " " | | | | | | | | |
| 25 | 30 | " " " " " " | | | | | | | | |
| 30 | 35 | " " " " " " | TRACE FRESH PYRITE | | | | | | | |
| 35 | 40 | " " " " " " | " " | | | | | | | |
| 40 | 45 | PALE GREY/GREEN QUARTZ SERICITE MUSCOVITE SCHIST | " " | | | | | | | |
| 45 | 50 | " " " " " " | 230 " | | | | | | | |
| 50 | 55 | " " " " " " | 190 " | | | | | | | |
| 55 | 60 | " " " " " " | 190 " | | | | | | | |
| 60 | 65 | " " " " " " | 190 " | | | | | | | |
| 65 | 70 | " " " " " " | 190 " | | | | | | | |
| 70 | 75 | " " " " " " | 190 " | | | | | | | |
| 75 | 80 | " " " " " " | 190 " | | | | | | | |
| 80 | 85 | " " " " " " | 190 " | | | | | | | |
| 85 | 90 | " " " " " " | 190 " | | | | | | | |
| 90 | 95 | " " " " " " | 190 " | | | | | | | |
| 95 | 100 | " " " " " " | 190 " | | | | | | | |
| 100 | 105 | " " " " " " | 190 " | | | AVERAGE | | | | |
| 105 | 110 | " " " " " " | 190 " | 0.163 | | ↑ 0.060 ↓ | | | | |
| 110 | 115 | " " " " " " | 190 " | | | | | | | |
| 115 | 120 | " " " " " " | 190 " | | | | | | | |
| 120 | 125 | " " " " " " | 190 " | | | | | | | |
| 125 | 130 | " " " " " " | 190 " | | | | | | | |
| 130 | 135 | " " " " " " | 190 " | | | | | | | |
| 135 | 140 | " " " " " " | 190 " | | | | | | | |
| 140 | 145 | " " " " " " | 190 " | | | | | | | |
| 145 | 150 | " " " " " " | 190 " | | | | | | | |

END OF HOLE

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | OLD IPL 2+25S | 1+50W | +68 ft | OCT 31, 1990 | 90 R 14 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 150 ft | |

Purpose: Pattern drilling for mineralized horizon

| Footage From | Footage To | Description | Sample Number | Assays oz/ton Au ~~ppb~~ | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 5 | 10 | " " " " " | | | AVERAGE | | | | |
| 10 | 15 | SLIGHTLY BROWN " " " " | TRACE RUSTY PYRITE | | | | | | |
| 15 | 20 | " " " SOFTER " " " | 15 | | | | | | |
| 20 | 25 | REDDISH " " " " " | 20 | | | | | | |
| 25 | 30 | SLIGHTLY BROWN SOFTER " " | 25 | | | | | | |
| 30 | 35 | " " " " " " | 30 | | | | | | |
| 35 | 40 | " " " " " " | 35 | | | | | | |
| 40 | 45 | " " " " " " | 40 PYRITE | | | | | | |
| 45 | 50 | PALE GREY/WHITE " " " | " " | | | | | | |
| 50 | 55 | SLIGHTLY RUSTY " " " | " " | | | | | | |
| 55 | 60 | " " " " " | " " | | | | | | |
| 60 | 65 | " " " " " | " " | | | | | | |
| 65 | 70 | PALE GREY/WHITE " " " | " " | | | | | | |
| 70 | 75 | " " " " " | " " | | | | | | |
| 75 | 80 | " " " " " | " " | | | | | | |
| 80 | 85 | " " " " " | " " | | | | | | |
| 85 | 90 | SLIGHTLY RUSTY " " " | " " | | | | | | |
| 90 | 95 | PALE GREY/WHITE " " " | " " | | | | | | |
| 95 | 100 | PALE GREY/GREEN QUARTZ SERICITE MUSCOVITE SCHIST | " " | | | | | | |
| 100 | 105 | " " " " " | " " | | | | | | |
| 105 | 110 | " " " " " | " " | | | | | | |
| 110 | 115 | " " " " " | " " | | | | | | |
| 115 | 120 | " " " " " | " " | | | | | | |
| 120 | 125 | " " " " " | " " | | | | | | |
| 125 | 130 | " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " | " " | | | | | | |
| 135 | 140 | " " " " " | TRACE " | | | | | | |
| 140 | 145 | " " " " " | 145 " | | | | | | |
| 145 | 150 | " " " " " | " " | | | | | | |

AVERAGE 58.0 ft

END OF HOLE

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | OLD IPL 2+25S | 2+00W | +68 ft | OCT 31, 1990 | 90 K15 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 150 ft | |

Purpose: Pattern drilling for mineralized horizon.

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | RUSTY BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | 1% PYRITE | | | | | | |
| 5 | 10 | " " " " " | TRACE " | | | | | | |
| 10 | 15 | " " " " " | 1% " | | | | | | |
| 15 | 20 | " " " " " | " " | | | | | | |
| 20 | 25 | SLIGHTLY " " " " | " " | | | | | | |
| 25 | 30 | " " " " " | " " | | | | | | |
| 30 | 35 | " " " " " | " " | | AVERAGE | | | | |
| 35 | 40 | PALE GREY/WHITE " " " | 2% " | | | | | | |
| 40 | 45 | " " " " " | " " | | | | | | |
| 45 | 50 | " " " " " | " " | | | | | | |
| 50 | 55 | " " " " " | " " | | | | | | |
| 55 | 60 | " " " " " | TRACE MAGNET | | 0.096% | | | | |
| 60 | 65 | " " " " " | 2% PYRITE TRACE MAG. | | | | | | |
| 65 | 70 | " " " " " | 2% PYRITE | | | | | | |
| 70 | 75 | " " " " " | " " | | | | | | |
| 75 | 80 | PALE GREY/GREEN (WET) QUARTZ SERICITE | " " | | 0.365 | | | | |
| 80 | 85 | " " " " " | " " | | | | | | |
| 85 | 90 | " " " " " | " " | | | | | | |
| 90 | 95 | " " " " " | " " | | | | | | |
| 95 | 100 | " " " " QUARTZ MUSCOVITE SCHIST | " " | | | | | | |
| 100 | 105 | " " " " " | " " | | | | | | |
| 105 | 110 | " " " " " | " " | | | | | | |
| 110 | 115 | " " " " " | " " | | | | | | |
| 115 | 120 | " " " " " | " " | | | | | | |
| 120 | 125 | " " " " " | " " | | | | | | |
| 125 | 130 | " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " | " " | | | | | | |
| 135 | 140 | " " " " " | " " | | | | | | |
| 140 | 145 | " " " " " | " " | | | | | | |
| 145 | 150 | " " " " " | " " | | | | | | |

END OF HOLE

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | CRD IPL 2+255 | 2+50W | +68 ft | OCT. 31, 1990 | 90 R 16 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 150 ft | |

Purpose: Pattern drilling for mineralized horizon

| Footage From | Footage To | Description | Sample Number | Assays: Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | RUSTY BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE RUSTY PYRITE | | | | | | |
| 5 | 10 | " " " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " " " | " " | | | | | | |
| 20 | 25 | " " " " " " | " " | | AVERAGE | | | | |
| 25 | 30 | " " " " " " | " " | | ↑ | | | | |
| 30 | 35 | " " " " " " | " " | | 0.03 | | | | |
| 35 | 40 | " " " " " " | " " | | ↓ | | | | |
| 40 | 45 | " " " " " " | | | | | | | |
| 45 | 50 | " " " " " " | | | | | | | |
| 50 | 55 | PALE GREY/WHITE " " " " | 1% PYRITE | | | | | | |
| 55 | 60 | " " " " " " | " " | | | | | | |
| 60 | 65 | " " " " " " | " " | | | | | | |
| 65 | 70 | " " " " " " | " " | | | | | | |
| 70 | 75 | " " " " " " | 1% PYRITE 1% MAGNETITE | | | | | | |
| 75 | 80 | " " " " " " | 1% PYRITE | | | | | | |
| 80 | 85 | " " " " " " | 1% PYRITE TRACE MAGNET | | | | | | |
| 85 | 90 | " " " " " " | 2% PYRITE | | | | | | |
| 90 | 95 | " " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " " | 1% " | | | | | | |
| 100 | 105 | " " " " " " | " " | | | | | | |
| 105 | 110 | " " " " " " | " " | | | | | | |
| 110 | 115 | " " " " " " | " " | | | | | | |
| 115 | 120 | " " " " " " | 1% PYRITE TRACE MAGNET | | | | | | |
| 120 | 125 | " " " " " " | 1% PYRITE | | | | | | |
| 125 | 130 | " " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " " | " " | | | | | | |
| 135 | 140 | " " " " " " | " " | | | | | | |
| 140 | 145 | " " " " " " | " " | | | | | | |
| 145 | 150 | " " " " " " | " " | | | | | | |

END OF HOLE

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | OLD IPL 2+75S | 2+50W | +97 ft | OCT 31, 1990 | 90R17 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 150 ft | |

Purpose: Pattern drilling for mineralized horizon

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | RUSTY BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE RUSTY PYRITE | | | | | | |
| 5 | 10 | " " " " " " | " " | | | | | | |
| 10 | 15 | PALE GREY/GREEN QUARTZ MUSCOVITE SCHIST | " " | | | | | | |
| 15 | 20 | " " " " " " | 1% PYRITE | | | | | | |
| 20 | 25 | " " " " " " | " " | | | | | | |
| 25 | 30 | " " " " " " | " " | | | | | | |
| 30 | 35 | " " " " " " | " " | | | | | | |
| 35 | 40 | " " " " " " | " " | | | | | | |
| 40 | 45 | " " " " " " | " " | | | | | | |
| 45 | 50 | " " " " " " | " " | | | | | | |
| 50 | 55 | " " " " " " | " " | | | | | | |
| 55 | 60 | " " " " " " | " " | | | | | | |
| 60 | 65 | " " " " " " | " " | | | | | | |
| 65 | 70 | " " " " " " | " " | | | | | | |
| 70 | 75 | " " " " " " | " " | | | | | | |
| 75 | 80 | " " " " " " | " " | | | | | | |
| 80 | 85 | " " " " " " | 3% " | | | | | | |
| 85 | 90 | RUSTY (OXIDIZED) | 1% " | | | | | | |
| 90 | 95 | SLIGHTLY RUSTY " | 2% " | | | | | | |
| 95 | 100 | " " " " " " | " " | | | | | | |
| 100 | 105 | " " " " " " | " " | | AVERAGE | | | | |
| 105 | 110 | " " " " " " | " " | | ↑ | | | | |
| 110 | 115 | " " " " " " | " " | | 2000 | | | | |
| 115 | 120 | PALE GREY/WHITE " " " " | " " | | ↓ | | | | |
| 120 | 125 | " " " " " " | " " | | | | | | |
| 125 | 130 | " " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " " | " " | | | | | | |
| 135 | 140 | " " " " " " | " " | | | | | | |
| 140 | 145 | " " " " " " | " " | | | | | | |
| 145 | 150 | " " " " " " | " " | | | | | | |

END OF HOLE

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | OLD IPL 2+65 S | 1+93 W | +105 ft | OCT. 31 - NOV. 1, 1980 | 90 R 18 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 395 ft | |

Purpose: Pattern drilling for mineralized horizon and to test deep I.P. anomaly

| Footage From | Footage To | Description | Sample Number | Assays: Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK IRON(OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE PYRITE | | | | | | |
| 5 | 10 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 10 | 15 | RED BROWN 〃 〃 〃 〃 | 1% 〃 | | | | | | |
| 15 | 20 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 20 | 25 | SLIGHTLY 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 25 | 30 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 30 | 35 | 〃 〃 〃 〃 〃 〃 | 2% 〃 | | | | | | |
| 35 | 40 | PALE GREY/GREEN 〃 〃 〃 | 〃 〃 | | | | | | |
| 40 | 45 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 45 | 50 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 50 | 55 | LIGHT BROWN 〃 〃 〃 | 〃 〃 | | AVERAGE | | | | |
| 55 | 60 | PALE GREY/GREEN 〃 〃 | 〃 〃 | | | | | | |
| 60 | 65 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 65 | 70 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 70 | 75 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 75 | 80 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 80 | 85 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 85 | 90 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 90 | 95 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| ** 95 | 100 | 〃 〃 〃 〃 2 PIECES V.G.* | 〃 〃 | 0.014 | | | | | |
| ** 100 | 105 | 〃 〃 〃 〃 6 PIECES V.G.* | 〃 〃 | 0.019 | | | | | |
| ** 105 | 110 | SLIGHTLY BROWN (OXIDIZED) 〃 〃 16 PIECES V.G.* | 〃 〃 | 0.158 | 0.672 | | | | |
| 110 | 115 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | 0.139 | | | | | |
| 115 | 120 | PALE GREY/GREEN 〃 〃 〃 | 〃 〃 | 0.019 | 0.359 | | | | |
| 120 | 125 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | 0.501 | | | | | |
| 125 | 130 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | 0.217 | | | | | |
| 130 | 135 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 135 | 140 | SLIGHTLY BROWN (OXIDIZED) 〃 〃 〃 | 〃 〃 | | | | | | |
| 140 | 145 | 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 145 | 150 | 〃 〃 〃 〃 〃 〃 | 〃 〃 X | | | | | | |

** PANNED SPLIT FROM LARGE BAG

* POSSIBLE V.G. ON SOME PYRITE X'LS? OR GOLD COLORED IRON OXIDE?

# PERCUSSION DRILL LOG



90 R 18
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | BROWN/ORANGE (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE PYRITE | | ↓ | | | | |
| 155 | 160 | " " " WET (FAULT GOUGE?) QUARTZ MUSCO SCHIST | " " | | | | | | |
| 160 | 165 | " " " QUARTZ MUSCOVITE SCHIST | " " | | | | | | |
| 165 | 170 | " " " " " | " " | | | | | | |
| 170 | 175 | PALE GREY/GREEN " " " | 2% " | | | | | | |
| 175 | 180 | " " " " " " | " " | | | | | | |
| 180 | 185 | " " " (WET) " " " | " " | | | | | | |
| 185 | 190 | DARK GREY/GREEN (DAMP) " " " | " " | | | | | | |
| 190 | 195 | SLIGHTLY BROWN (WET) " " " | " " | | | | | | |
| 195 | 200 | " " " QUARTZ CHLORITE MUSCOVITE SCHIST | " " | | | | | | |
| 200 | 205 | DARK GREY/GREEN (WET) QUARTZ CHLORITE MUSCO SCHIST TRACE MAGNET 2% PYRITE | | | | | | | |
| 205 | 210 | PALE GREY/GREEN (DAMP) " " " " " | " " | | | | | | |
| 210 | 215 | " " " (WET) " " " " " | " " | | | | | | |
| 215 | 220 | " " " (WET) " " " " " | " " | | | | | | |
| 220 | 225 | " " " (WET) " " " " | 2% PYRITE | | | | | | |
| 225 | 230 | " " " (DAMP) " " " " | " " | | | | | | |
| 230 | 235 | " " " (DAMP) " " " " | 1% PYRITE | | | | | | |
| 235 | 240 | " " " (DAMP) " " " " | " " | | | | | | |
| 240 | 245 | " " " (VERY WET) (GOUGE) " " " " | " " | | | | | | |
| 245 | 250 | " " " " " " " " | " " | | | | | | |
| 250 | 255 | " " " " " " " " | " " | | | | | | |
| 255 | 260 | " " " " " " " " | " " | | | | | | |
| 260 | 265 | " " " " " " " " | 1% " | | | | | | |
| 265 | 270 | PALE BROWN VERY WET GOUGE " " " | 2% " | | | | | | |
| 270 | 275 | " " " " " QUARTZ MUSCOVITE SCHIST | 2% " | | | | | | |
| 275 | 280 | PALE GREY/GREEN " " " " " | 5% TRACE MAGNET " | | | | | | |
| 280 | 285 | " " " " " " " | " " | | | | | | |
| 285 | 290 | " " " " " QUARTZ VEINLET QUARTZ MUSCO SCHIST TRACE GALENA/MAGNES 5% " | | | | | | | |
| 290 | 295 | " " " " " QUARTZ MUSCOVITE SCHIST | 3% " | | | | | | |
| 295 | 300 | " " " " " QUARTZ MUSCO SCHIST TRACE GALENA | 3% " | | | | | | |
| 300 | 305 | VERY PALE " " " " " " " TRACE MAGNETITE | 3% " | | | | | | |
| 305 | 310 | " " " " " " " " " TRACE GALENA | 3% " | | | | | | |
| * 310 | 315 | " " " " " " " " " TRACE GALENA + GOLD | 3% " | | | | | | |
| 315 | 320 | " " " " " " " " " " GALENA | 3% " | | | | | | |
| * 320 | 325 | " " " " " " " " " " GALENA + GOLD | 5% | | | | | | |
| 325 | 330 | " " " " " " " " " " | TRACE PYRITE | | | | | | |

# PERCUSSION DRILL LOG



90 R 18
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 330 | 335 | VERY PALE GREY/GREEN VERY HOST QUARTZ MUSCOVITE SCHIST | 1% PYRITE | | | | | | |
| 335 | 340 | " " " " QUARTZ MUSCO SCHIST TRACE GALENA | 1% PYRITE | | | | | | |
| 340 | 345 | " " " " QUARTZ MUSCOVITE SCHIST | " " | | | | | | |
| 345 | 350 | " " " " " " " | TRACE PYRITE | | | | | | |
| 350 | 355 | " " " " " " " | " " | | | | | | |
| 355 | 360 | " " " " " " " | " " | | | | | | |
| 360 | 365 | " " " " " QUARTZ MUSCO SCHIST TRACE GALENA | " " | | | | | | |
| 365 | 370 | " " " " (DAMP) QUARTZ MUSCO SCHIST TRACE GALENA | " " | | | | | | |
| 370 | 375 | " " " " QUARTZ MUSCOVITE SCHIST | " " | | | | | | |
| 375 | 380 | " " " " QUARTZ MUSCO SCHIST TRACE GALENA | " " | | | | | | |
| 380 | 385 | " " " " " " " | " " | | | | | | |
| 385 | 390 | " " " " " " " | " " | | | | | | |
| 390 | 395 | " " " " " " " | " " | | | | | | |
| | | HOLE LOST TO WATER | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | OLD IPL 2+75S | 1+50W | +94 ft | OCT 31/1990 | 90 R 19 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 150 ft | |

Purpose: Pattern drilling for mineralized horizon

| Footage From | Footage To | Description | Sample Number | Assays oz/ton Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | RUSTY BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE PYRITE | | | | | | |
| 5 | 10 | " " " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " " " | " " | | | | | | |
| 20 | 25 | SLIGHTLY " " " " " | 2% PYRITE | | | | | | |
| 25 | 30 | PALE GREY/GREEN " " " " | " " | | | | | | |
| 30 | 35 | " " " " " " | " " | | | | | | |
| 35 | 40 | PALE GREY/WHITE " " " " | " " | | | | | | |
| 40 | 45 | " " " " " " | " " | | | | | | |
| 45 | 50 | SLIGHTLY BROWN " " " " | " " | | | | | | |
| 50 | 55 | " " " " " " | " " | | | | | | |
| 55 | 60 | " " " " " " | " " | | | | | | |
| 60 | 65 | " " " " " " | " " | | | | | | |
| 65 | 70 | " " " " " " | " " | | | | | | |
| 70 | 75 | PALE GREY/GREEN " " " " | " " | | | | | | |
| 75 | 80 | " " " " " " | " " | | | | | | |
| 80 | 85 | " " " " " " | " " | | | | | | |
| 85 | 90 | PALE GREY/WHITE " " " " | " " | | | | | | |
| 90 | 95 | " " " " " " | " " | 0.044 | | | | | |
| 95 | 100 | " " " " " " | " " | | | | | | |
| 100 | 105 | " " " " " " | " " | | | | | | |
| 105 | 110 | " " " " " " | " " | | | | | | |
| 110 | 115 | MEDIUM GREY/GREEN " " " " | " " | | | | | | |
| 115 | 120 | " " " " " " | " " | | | | | | |
| 120 | 125 | " " " " " " | " " | | | | | | |
| 125 | 130 | " " " " " " | 1% " | | | | | | |
| 130 | 135 | " " " " " " | 2% " | | | | | | |
| 135 | 140 | " " " " " " | " " | | | | | | |
| 140 | 145 | PALE GREY/WHITE " " " " | 1% " | | | | | | |
| 145 | 150 | " " " " " " | <1% " | | | | | | |

END OF HOLE

# PERCUSSION DRILL LOG



| | | | | | |
|---|---|---|---|---|---|
| LONE STAR | OLD IPL 2355 | 0+00 | 0 ft | Nov 1-2 1990 | 90 R 20 |
| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
| -65° | 030° | | 200 ft | | |
| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth | |

Purpose: Boulder Lode vein extension to depth.

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OXIDIZED) QUARTZ MUSCO SCHIST TRACE GALENA | TRACE PYRITE | | | | | | |
| 5 | 10 | RED BROWN " QUARTZ MUSCOVITE SCHIST | TRACE " | | | | | | |
| 10 | 15 | " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " " " | " " | | | | | | |
| 20 | 25 | " " " " " " | < " " | | | | | | |
| 25 | 30 | " " " " " " | " " | | | | | | |
| 30 | 35 | " " " " " " | " " | | | | | | |
| 35 | 40 | PALE GREY/GREEN " " " " | 2% PYRITE | | | | | | |
| 40 | 45 | " " " " " " | 2% " | | | | | | |
| 45 | 50 | " " " " " " | " " | | | | | | |
| 50 | 55 | " " " " " " | 3% " | | | | | | |
| 55 | 60 | " " " " " " | " " | | | | | | |
| 60 | 65 | " " " " " " | " " | | | | | | |
| 65 | 70 | " " " " " " | " " | | | | | | |
| 70 | 75 | PALE GREY " " " | 2% " | | | | | | |
| 75 | 80 | " " " " " " | " " | | | | | | |
| 80 | 85 | " " QUARTZ CHLORITE(?) MUSCOVITE SCHIST TRACE GALENA | " " | | | | | | |
| 85 | 90 | " " " " " " | " " | | | | | | |
| 90 | 95 | " " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " " | " " | | | | | | |
| 100 | 105 | " " " " " " | " " | | | | | | |
| 105 | 110 | " " " " " " | " " | | | | | | |
| 110 | 115 | NO SAMPLE BIT ADIT @ 106' | | | | | | | |
| 115 | 120 | " " " " " " | | | | | | | |
| 120 | 125 | " " " " " " | | | | | | | |
| 125 | 130 | MEDIUM GREEN/BROWN (WET) QUARTZ CHLORITE MUSCO SCHIST | 2% PYRITE | | | | | | |
| 130 | 135 | " " " " " " | " " | | | | | | |
| 135 | 140 | " " " " " " QUARTZ MUSCOVITE SCHIST SYCAMORE | TRACE ?? " " | | | | | | |
| 140 | 145 | PALE GREY/WHITE " " " | " " | | | | | | |
| 145 | 150 | " " " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90 R 20
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | PALE GREY/GREEN QUARTZ MUSCOVITE SCHIST | 23 PYRITE | | | | | | |
| 155 | 160 | MEDIUM GREEN (DAMP) " " " | " " | | | | | | |
| 160 | 165 | PALE GREY/GREEN " " " | " " | | | | | | |
| 165 | 170 | MEDIUM GREY " " " | " " | | | | | | |
| 170 | 175 | " " " " " | " " | | | | | | |
| 175 | 180 | PALE BROWN (WET) " " " | " " | | | | | | |
| 180 | 185 | " " " " " | " " | | | | | | |
| 185 | 190 | PALE GREY/BROWN " " " | " " | | | | | | |
| 190 | 195 | " " " " " | " " | | | | | | |
| 195 | 200 | PALE BROWN " " " | " " | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



90 R21

| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | OLD IPL 2+05S | 0+25E | -30 ft | Nov. 2, 1990 | |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -65° | 210° | | 150 ft | |

Purpose: Boulder Lode vein extension to depth.

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE PYRITE | | | | | | |
| 5 | 10 | " " " " | " " | | | | | | |
| 10 | 15 | PALE " " QUARTZ CHLORITE | " " | | | | | | |
| 15 | 20 | " " " " | " " | | | | | | |
| 20 | 25 | " " " " | " " | | | | | | |
| 25 | 30 | PALE GREY/GREEN " " | " " | | | | | | |
| 30 | 35 | " " " " | " " | | | | | | |
| 35 | 40 | " " " " | 190 " | | | | | | |
| 40 | 45 | " " " " | " " | | | | | | |
| 45 | 50 | " " " " | " " | | | | | | |
| 50 | 55 | " " " " | " " | | | | | | |
| 55 | 60 | " " " " | " " | | | | | | |
| 60 | 65 | " " " " | " " | | | | | | |
| 65 | 70 | BLUE " " | " " | | | | | | |
| 70 | 75 | " " " " | " " | | | | | | |
| 75 | 80 | PALE GREY/GREEN " " | " " | | | | | | |
| 80 | 85 | PALE GREY/WHITE " " | " " | | | | | | |
| 85 | 90 | " " " " | 2% " | | | | | | |
| 90 | 95 | " " " " | " " | | | | | | |
| 95 | 100 | BROWN (VERY WET) " (w/ POSSIBLE VEIN QTZ) | " " | | | | | | |
| * 100 | 105 | " " " (" " " ") | " SCHIST VG | | | | | | |
| 105 | 110 | PALE GREY/GREEN " " | " " | | | | | | |
| 110 | 115 | " " " " | " " | | | | | | |
| 115 | 120 | BROWN (VERY WET) " " | " " | | | | | | |
| 120 | 125 | " " " " | " " | | | | | | |
| ** 125 | 130 | " " " " | " VG | | | | | | |
| 130 | 135 | " " " " | " CHLORITE " " | | | | | | |
| 135 | 140 | " " " " | " " | | | | | | |
| 140 | 145 | " " " " | " " | | | | | | |
| 145 | 150 | " " " " | " " | | | | | | |

* NUGGET w/ 5% MILKY QUARTZ 25% BLACK FINE CUBIC GALENA 70% YELLOW GOLD

END OF HOLE

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | OLD IPL 1+90S | 0+05W | -15 ft | Nov. 2, 1990 | 90 R22 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -65° | 210° | | 150 ft | |

Purpose: Boulder Lode vein extension to depth

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | MEDIUM BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | | | | | | | |
| 5 | 10 | " " " " " " | | | | | | | |
| 10 | 15 | PALE GREY/GREEN " " " | | | | | | | |
| 15 | 20 | " " " " " " | | | | | | | |
| 20 | 25 | " " " " " TRACE PYRITE | | | | | | | |
| 25 | 30 | " " " " " " | | | | | | | |
| 30 | 35 | " " " " " 1% " | | | | | | | |
| 35 | 40 | PALE GREY/WHITE " " 1% " | | | | | | | |
| 40 | 45 | PALE GREY/GREEN " " " " | | | | | | | |
| 45 | 50 | " " " " " " | | | | | | | |
| 50 | 55 | " " " " " " | | | | | | | |
| 55 | 60 | " " " " " " | | | | | | | |
| 60 | 65 | " " " " " " | | | | | | | |
| 65 | 70 | " " " " " " | | | | | | | |
| 70 | 75 | " " " " " " | | | | | | | |
| 75 | 80 | " " " " " " | | | | | | | |
| 80 | 85 | " " " " " " | | | | | | | |
| 85 | 90 | NO SAMPLE - HIT ADIT | | | | | | | |
| 90 | 95 | MEDIUM " " QUARTZ CHLORITE MUSCOVITE SCHIST | | | | | | | |
| 95 | 100 | " " " " " " | | | | | | | |
| 100 | 105 | " " " " " " | | | | | | | |
| 105 | 110 | PALE " " " " " | | | | | | | |
| 110 | 115 | " " " " " " | | | | | | | |
| 115 | 120 | DARK " " (WATER) " " " | | | | | | | |
| 120 | 125 | MEDIUM " " " " " | | | | | | | |
| 125 | 130 | PALE " " " " " | | | | | | | |
| 130 | 135 | " " " " " " | | | | | | | |
| 135 | 140 | DARK " " (WATER) " " | | | | | | | |
| 140 | 145 | " " " " " " | | | | | | | |
| 145 | 150 | " " " " " " | | | | | | | |

END OF HOLE

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR | OLD IPL 2+355 | 0+30W | +22 ft | Nov. 1, 1990 | 90 R23 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -65° | 030° | | 150 ft | |

Purpose: Boulder Lode vein extension to depth.

ALL SAMPLES - PANNED FROM ½ SAMPLE SPLIT ± 5 lbs. / 5'

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST 2 PIECES V.G. | 1% PYRITE | | | | | | |
| 5 | 10 | " " " " " " 1 V.G. | 1% PYRITE | | | | | | |
| 10 | 15 | " " " " " " 2 V.G. | 1% " | | | | | | |
| 15 | 20 | " " " " " " 2 V.G | 1% " | | | | | | |
| 20 | 25 | " " " " " " | 1% " | | | | | | |
| 25 | 30 | LIGHT " " " " 2 3 V.G. | 2% " | | | | | | |
| 30 | 35 | " " " " " " 5 V.G | 2% " | | | | | | |
| 35 | 40 | " " " " " " | 2% " | | | | | | |
| 40 | 45 | " " " " " " 1 V.G | " " | | | | | | |
| 45 | 50 | PALE GREY/GREEN QUARTZ CHLORITE MUSCOVITE SCHIST | 3% " | | | | | | |
| 50 | 55 | " " " " " " | 5% " | | | | | | |
| 55 | 60 | " " " " " " | 3% " | | | | | | |
| 60 | 65 | " " " " " " | 5% " | | | | | | |
| 65 | 70 | " " " " " " 2 V.G. | 5% " | | | | | | |
| 70 | 75 | " " " " " " | " " | | | | | | |
| 75 | 80 | " " " " " " | " " | | | | | | |
| 80 | 85 | " " " " " " | " " | | | | | | |
| 85 | 90 | " " " " " " | " " | | | | | | |
| 90 | 95 | " " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " " | " " | | | | | | |
| 100 | 105 | " " " " MUSCOVITE SCHIST 2 V.G. | " " | | | | | | |
| 105 | 110 | " " " " " " 1 V.G. | " " | | | | | | |
| 110 | 115 | " " " " " " | " " | | | | | | |
| 115 | 120 | " " " " " " 1 V.G. | " " | | | | | | |
| 120 | 125 | " " " " " " | " " | | | | | | |
| 125 | 130 | " " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " " | " " | | | | | | |
| 135 | 140 | " " " " " " | " " | | | | | | |
| 140 | 145 | " " " " " " 1 V.G. | " " | | | | | | |
| 145 | 150 | " " " " " " | " " | | | | | | |

END OF HOLE

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| LONE STAR BOULDER LODE | OLD IPL 1+70E | 2+80S | ~ - 30 ft | Nov 2/90 | 90 R 24 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -45° | 040° | | 200' | |

Purpose: TO TEST JUNCTION OF S.E. EXTENSION OF BOULDER LODE AND LARGE DYKE.

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | 19 PYR% | | | | | | |
| 5 | 10 | " " " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " | TRACE " | | | | | | |
| 15 | 20 | " " " " " " | " " | | | | | | |
| 20 | 25 | " " " " " " | " " | | | | | | |
| 25 | 30 | " " " " " " | " " | | | | | | |
| 30 | 35 | ORANGE-BROWN " " " | " " | | | | | | |
| 35 | 40 | PALE ORANGE BROWN " " NGR | " " | | | | | | |
| 40 | 45 | " " " " " " | " " | | | | | | |
| 45 | 50 | PALE GREY/WHITE " " " | " " | | | | | | |
| 50 | 55 | " " " " " " | 1% " | | | | | | |
| 55 | 60 | PALE GREY/GREEN " " " | " " | | | | | | |
| 60 | 65 | " " " " " " | 2% " | | | | | | |
| 65 | 70 | " " " " " " | " " | | | | | | |
| 70 | 75 | " " " " " " | " " | | | | | | |
| 75 | 80 | " " " " " " | 1% " | | | | | | |
| 80 | 85 | WHITE " " " | TRACE PYRITE | | | | | | |
| 85 | 90 | " " " " " | " " | | | | | | |
| 90 | 95 | PALE GREY/GREEN " " " | " " | | | | | | |
| 95 | 100 | WHITE " " " | 1% " | | | | | | |
| 100 | 105 | " " " " " | <1% " | | | | | | |
| 105 | 110 | " " " " " | 1% " | | | | | | |
| 110 | 115 | " " " " " | 1% " | | | | | | |
| 115 | 120 | SLIGHTLY RUSTY TRACE (OX. ED) " " | <1% " | | | | | | |
| 120 | 125 | WHITE " " " | TRACE " | | | | | | |
| 125 | 130 | SLIGHTLY RUSTY BROWN (OXIDIZED) " " | " " | | | | | | |
| 130 | 135 | WHITE " " " | " " | | | | | | |
| 135 | 140 | " " " " " | " " | | | | | | |
| 140 | 145 | " " " " " | " " | | | | | | |
| 145 | 150 | " " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90 R 24
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | WHITE QUARTZ MUSCOVITE SCHIST | TRACE PYRITE | | | | | | |
| 155 | 160 | 〃 〃 〃 | 〃 〃 | | | | | | |
| 160 | 165 | BUFF 〃 〃 | 〃 〃 | | | | | | |
| 165 | 170 | 〃 〃 〃 | 〃 〃 | | | | | | |
| 170 | 175 | PALE GREY/GREEN 〃 〃 | 〃 〃 | | | | | | |
| 175 | 180 | 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 180 | 185 | 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 185 | 190 | 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 190 | 195 | 〃 〃 〃 〃 〃 | 190 〃 | | | | | | |
| 195 | 200 | 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| | | | | | |
|---|---|---|---|---|---|
| 7 PUP | NEAR HILCHEY'S OLD HOLE ON 90 SUN 7 PUP TROI | | | NOV. 2, 1990 | 90 R 25 |
| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
| 90 | | | 157 ft | | |
| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth | |

To replicate Hilchey's drill results
Purpose

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OX 10YR3/2) QUARTZ CHLORITE MUSCOVITE SCHIST | Ø | | | | | | |
| 5 | 10 | 〃 〃 〃 〃 〃 〃 〃 | Ø | | | | | | |
| 10 | 15 | 〃 〃 〃 〃 〃 〃 〃 | Ø | | | | | | |
| 15 | 20 | 〃 〃 〃 (CLAY ALTERED?) 〃 〃 〃 〃 | TRACE PYRITE | | | | | | |
| 20 | 25 | 〃 〃 〃 〃 〃 〃 〃 | Ø | | | | | | |
| 25 | 30 | 〃 〃 〃 〃 〃 〃 〃 | TRACE PYRITE | | | | | | |
| 30 | 35 | LIGHT 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 35 | 40 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 40 | 45 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 45 | 50 | 〃 〃 〃 〃 〃 〃 〃 | Ø | | | | | | |
| 50 | 55 | 〃 〃 〃 〃 〃 〃 〃 | TRACE PYRITE | | | | | | |
| 55 | 60 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 60 | 65 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 65 | 70 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 70 | 75 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 75 | 80 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 80 | 85 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 85 | 90 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 90 | 95 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 95 | 100 | VERY MINOR 〃 (MINOR) 〃 〃 〃 | 〃 〃 | | | | | | |
| 100 | 105 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 105 | 110 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 110 | 115 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 115 | 120 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 120 | 125 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 125 | 130 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 130 | 135 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 135 | 140 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 140 | 145 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| 145 | 150 | 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |

# PERCUSSION DRILL LOG



90 R 25
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | VERY PALE BROWN (OX, 2.5Y 7/3) QUARTZ MINOR CHLORITE MUSCOVITE SCHIST | TRACE PYRITE | | | | | | |
| 155 | 157 | 〃 〃 〃 〃 〃 〃 〃 〃 | 〃 〃 | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| | | | | | |
|---|---|---|---|---|---|
| 7PUP | 7PUP IPL | 3+80E 1+10N | | Nov. 2-3 1990 | 90 R 26 |
| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
| -90° | | | 300' | | |
| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth | |

Purpose: To test IP anomaly

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | RUSTY BROWN (OXIDIZED) QUARTZ CHLORITE MUSCOVITE SCHIST | TRACE PYRITE | | | | | | |
| 5 | 10 | " " " " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " " | ϕ | | | | | | |
| 15 | 20 | PALE " " " " " | TRACE MAGNET | | | | | | |
| 20 | 25 | PALE GREY/GREEN " " " " " | TRACE PYRITE TRACE MAGNET | | | | | | |
| 25 | 30 | " " " " " " " | " " | | | | | | |
| 30 | 35 | " " " " " " " | TRACE MAGNET | | | | | | |
| 35 | 40 | " " " " " " " | " " | | | | | | |
| 40 | 45 | " " " " " " " | TRACE PYRITE 1% MAGNET | | | | | | |
| 45 | 50 | " " " " " " " | 1% MAGNET | | | | | | |
| 50 | 55 | " " " " " " " | TRACE PYRITE 1% MAGNET | | | | | | |
| 55 | 60 | " " " " " " " | TRACE PYRITE 2% MAGNET | | | | | | |
| 60 | 65 | " " " " " " " | TRACE PYRITE 3% MAGNET | | | | | | |
| 65 | 70 | PALE RUSTY BROWN (OXIDIZED) " " " " " | 2% MAGNET | | | | | | |
| 70 | 75 | PALE GREY/GREEN " " " " " | " " | | | | | | |
| 75 | 80 | " " " " " " " | " " | | | | | | |
| 80 | 85 | " " " " " " " | " " | | | | | | |
| 85 | 90 | " " " " " " " | TRACE " TRACE PYRITE | | | | | | |
| 90 | 95 | " " " " " " " | 1% MAGNET | | | | | | |
| 95 | 100 | " " " " " " " | 2% MAGNET | | | | | | |
| 100 | 105 | " " " " " " " | " " | | | | | | |
| 105 | 110 | " " " " " " " | " " | | | | | | |
| 110 | 115 | " " " " " " " | " " | | | | | | |
| 115 | 120 | " " " " " " " | " " | | | | | | |
| 120 | 125 | " " " " " " " | " " | | | | | | |
| 125 | 130 | " " " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " " " | " " | | | | | | |
| 135 | 140 | MEDIUM GREY " " " " " | " " | | | | | | |
| 140 | 145 | " " " " " " " | " " | | | | | | |
| 145 | 150 | " " " " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90 R 26
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | MEDIUM GREY QUARTZ CHLORITE MUSCOVITE SCHIST | TR PYRITE 2% MAGNET | | | | | | |
| 155 | 160 | PALE GREY/GREEN " " " " | " " | | | | | | |
| 160 | 165 | " " " " " " " | " " | | | | | | |
| 165 | 170 | " " " " " " " | TRACE PYRITE TRACE MAGNET | | | | | | |
| 170 | 175 | " " " " " " " | " " | | | | | | |
| 175 | 180 | " " " " " " " | " " | | | | | | |
| 180 | 185 | DARK GREEN (VERY DAMP-WET) QUARTZ " " " | " " | | | | | | |
| 185 | 190 | " " " " " " " | " " | | | | | | |
| 190 | 195 | " " " " " " " | <1% PYRITE TRACE MAGNET | | | | | | |
| 195 | 200 | " " " " " " " | <1% PYRITE | | | | | | |
| 200 | 205 | " " " " " " " | " " | | | | | | |
| 205 | 210 | " " " " " " " | " " | | | | | | |
| 210 | 215 | MEDIUM GREEN " " " " " " | 1% " | | | | | | |
| 215 | 220 | " " " " " " " | " " | | | | | | |
| 220 | 225 | " " " " " " " | " " | | | | | | |
| 225 | 230 | DARK GREEN " " " " " " | " " | | | | | | |
| 230 | 235 | " " " " " " " | " " | | | | | | |
| 235 | 240 | " " " " " " " | " " | | | | | | |
| 240 | 245 | " " " " " " " | " " | | | | | | |
| 245 | 250 | " " " " " " " | " " | | | | | | |
| 250 | 255 | " " " " " " " | 2% " | | | | | | |
| 255 | 260 | " " " " " " " | TRACE " | | | | | | |
| 260 | 265 | " " " " " " " | " " | | | | | | |
| 265 | 270 | " " " " " " " | " " | | | | | | |
| 270 | 275 | " " " " " " " | " " | | | | | | |
| 275 | 280 | " " " " " " " | " " | | | | | | |
| 280 | 285 | " " " " " " " | " " | | | | | | |
| 285 | 290 | " " " " " " " | " " | | | | | | |
| 290 | 295 | " " " " " " " | " " | | | | | | |
| 295 | 300 | " " " " " " " | " " | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| 7 PUP | 7 PUP IPL | 3+80E 14605 | | NOV. 4 1990 | 90 R 27 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 200' | |

Purpose: To test IP anomaly

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | VERY DARK BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE PYRITE TRACE MAGNET | | | | | | |
| 5 | 10 | " " " " " " " | TRACE PYRITE | | | | | | |
| 10 | 15 | " " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " " " " | " " | | | | | | |
| 20 | 25 | " " " " " " " | " " | | | | | | |
| 25 | 30 | " " " " " " " | " " | | | | | | |
| 30 | 35 | " " " " " " " | " " | | | | | | |
| 35 | 40 | " " " " " " " | " " | | | | | | |
| 40 | 45 | BROWN (OXIDIZED) | " " | | | | | | |
| 45 | 50 | LIGHT BROWN (OXIDIZED) | " " | | | | | | |
| 50 | 55 | " " " | " " | | | | | | |
| 55 | 60 | " " " | " " | | | | | | |
| 60 | 65 | " " " | " " | | | | | | |
| 65 | 70 | " " " | " " | | | | | | |
| 70 | 75 | " " " | " " | | | | | | |
| 75 | 80 | PALE GREY (WEATHERED) | " " | | | | | | |
| 80 | 85 | " " " | " " | | | | | | |
| 85 | 90 | " " " | " " | | | | | | |
| 90 | 95 | " " " | " " | | | | | | |
| 95 | 100 | " " " QUARTZ MUSCOVITE CHLORITE MUSCOVITE SCHIST | 1% PYRITE | | | | | | |
| 100 | 105 | GREY " " " " " | 2% " | | | | | | |
| 105 | 110 | " " " " " " | 3% PYRITE | | | | | | |
| 110 | 115 | " " " " " " | TRACE MAGNET | | | | | | |
| 115 | 120 | " " " " " " | " " | | | | | | |
| 120 | 125 | " " " " " " | 1% MAGNET | | | | | | |
| 125 | 130 | " " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " " | 1% PYRITE 1% MAGNET | | | | | | |
| 135 | 140 | " " " " " " | 1% PYRITE | | | | | | |
| 140 | 145 | " " " " " " | " " | | | | | | |
| 145 | 150 | " " " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90R27
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | GREY QUARTZ MINOR CHLORITE MUSCOVITE SCHIST | 1 % PYRITE | | | | | | |
| 155 | 160 | " " " " " " | " " | | | | | | |
| 160 | 165 | " " " " " " | " " | | | | | | |
| 165 | 170 | " " " " " " | " " | | | | | | |
| 170 | 175 | " " " " " " | " " | | | | | | |
| 175 | 180 | " " " " " " | " " | | | | | | |
| 180 | 185 | " " " " " " | " " | | | | | | |
| 185 | 190 | " " " " " " | " " | | | | | | |
| 190 | 195 | " " " " " " | " " | | | | | | |
| 195 | 200 | " " " " " " | " " | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| 7 PUP | 7 PUP IPL | 0+60N 4+80E | | NOV 3-4, 1990 | 90 R 28 |
|---|---|---|---|---|---|
| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
| -60° | 000° | | 200' | | |
| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth | |

To test IP anomally
Purpose

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OXID-ZED) QUARTZ MUSCOVITE SCHIST | TRACE PYRITE | | | | | | |
| 5 | 10 | " " " " " " | " " | | | | | | |
| 10 | 15 | " " " QUARTZ CHLORITE MUSCOVITE SCHIST | TRACE PYRITE | | | | | | |
| 15 | 20 | MEDIUM " " " " " " | " " | | | | | | |
| 20 | 25 | " " " " " " " | " " | | | | | | |
| 25 | 30 | " " " " " " " | " " | | | | | | |
| 30 | 35 | " " " " " " " | " " | | | | | | |
| 35 | 40 | " " " " " " " | TRACE PYRITE 1% MAGNET | | | | | | |
| 40 | 45 | PALE GREY / GREEN " " " " | " " | | | | | | |
| 45 | 50 | " " " " " " " | " " | | | | | | |
| 50 | 55 | MEDIUM " " " " " " | 1% PYRITE MAGNET | | | | | | |
| 55 | 60 | PALE GREY " " " " " | " " | | | | | | |
| 60 | 65 | " " " " " " " | " " | | | | | | |
| 65 | 70 | " " " " " " " | TRACE PYRITE | | | | | | |
| 70 | 75 | " " " " " " " | 1% PYRITE MAGNET | | | | | | |
| 75 | 80 | MEDIUM GREY (DAMP) " " " " | " " | | | | | | |
| 80 | 85 | MEDIUM GREY " " " " | " " | | | | | | |
| 85 | 90 | DARK GREEN (WET) " " " " | " " | | | | | | |
| 90 | 95 | " " " " " " " | 1% PYRITE MAGNET | | | | | | |
| 95 | 100 | MEDIUM GREY " " " " | " " | | | | | | |
| 100 | 105 | " " " " " " " | " " | | | | | | |
| 105 | 110 | " " " " " " " | " " | | | | | | |
| 110 | 115 | " " " " " " " | " " | | | | | | |
| 115 | 120 | DARK GREEN (WET) " " " " | " " | | | | | | |
| 120 | 125 | " " " " " " " | " " | | | | | | |
| 125 | 130 | " " " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " " " | " " | | | | | | |
| 135 | 140 | " " " " " " " | " " | | | | | | |
| 140 | 145 | " " " " " " " | " " | | | | | | |
| 145 | 150 | " " " " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90 R 28
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | DARK GREEN (WET) QUARTZ CHLORITE MUSCOVITE SCHIST | 1% PYRITE TRACE MAGNET | | | | | | |
| 155 | 160 | " " " " " " " | " " | | | | | | |
| 160 | 165 | WHITISH " " QUARTZ WITH MINOR CHLORITE = VEIN? | TRACE PYRITE | | | | | | |
| 165 | 170 | DARK " " QUARTZ CHLORITE MUSCOVITE SCHIST | " " | | | | | | |
| 170 | 175 | " " " " " " " | " " | | | | | | |
| 175 | 180 | " " " " " " " | 1% PYRITE | | | | | | |
| 180 | 185 | " " " " " " " | " " | | | | | | |
| 185 | 190 | " " " " " " " | " " | | | | | | |
| 190 | 195 | " " " " " " " | " " | | | | | | |
| 195 | 200 | " " " " " " " | " " | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| ELDORADO Ck | GRAY Ck IPL | 3000E | | Nov 4-5, 1990 | 90 R 29 |
|---|---|---|---|---|---|
| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
| -45° | 260° | | 500 ft | | |
| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth | |

To test I.P anomally & Eldorado Ck Step fault.
Purpose

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE PYRITE | | | | | | |
| 5 | 10 | LIGHT " " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " | TRACE MAGNET | | | | | | |
| 15 | 20 | " " " " " " | " " | | | | | | |
| 20 | 25 | DARK " " " " | " " | | | | | | |
| 25 | 30 | LIGHT GREY/WHITE " " | " " | | | | | | |
| 30 | 35 | " " " " " | " " | | | | | | |
| 35 | 40 | " " " " " | " " | | | | | | |
| 40 | 45 | " " " " " | " " | | | | | | |
| 45 | 50 | " " " " " | " " | | | | | | |
| 50 | 55 | RED/BROWN (OXIDIZED) " " | " " | | | | | | |
| 55 | 60 | LIGHT GREY/WHITE " " | " " | | | | | | |
| 60 | 65 | " " " " " | " " | | | | | | |
| 65 | 70 | " " " " " | " " | | | | | | |
| 70 | 75 | BROWN (WET) " " | " " | | | | | | |
| 75 | 80 | BROWN " " | " " | | | | | | |
| 80 | 85 | " (WET) " " | " " | | | | | | |
| 85 | 90 | " " " " " | " " | | | | | | |
| 90 | 95 | " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " | TRACE GALENA 1% PYRITE | | | | | | |
| 100 | 105 | PALE GREY/GREEN (OXIDIZED) QUARTZ CHLORITE | 1% PYRITE | | | | | | |
| 105 | 110 | " " " " " " | " " | | | | | | |
| 110 | 115 | " " " " " " | " " | | | | | | |
| 115 | 120 | " " " " " " | " " | | | | | | |
| 120 | 125 | " " " " " " | " " | | | | | | |
| 125 | 130 | " " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " " | " " | | | | | | |
| 135 | 140 | " " " " " " | " " | | | | | | |
| 140 | 145 | " " " " " " | " " | | | | | | |
| 145 | 150 | LIGHT BROWN (WET) " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90 R 29
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | LIGHT BROWN (WET) QUARTZ CHLORITE MUSCOVITE SCHIST | 1% PYRITE | | | | | | |
| 155 | 160 | " " " " " " | " " | | | | | | |
| 160 | 165 | " " " (PALE QUARTZ VEIN) " " " | " " | | | | | | |
| 165 | 170 | PALE GREY/GREEN (WET) " " " " | " " | | | | | | |
| 170 | 175 | " " " " " " | " " | | | | | | |
| 175 | 180 | " " " " " " | " " | | | | | | |
| 180 | 185 | " " " " " " | " " | | | | | | |
| 185 | 190 | GREEN (DAMP) " " " " " | TRACE GALENA 1% PYRITE | | | | | | |
| 190 | 195 | " " " " " " | 1% PYRITE | | | | | | |
| 195 | 200 | " " " " " " | " " | | | | | | |
| 200 | 205 | PALE GREEN (WET) " " " " | TRACE GALENA 1% PYRITE | | | | | | |
| 205 | 210 | " " (DAMP) " " " | 1% PYRITE | | | | | | |
| 210 | 215 | " " " (PALE QUARTZ VEIN) " " | " " | | | | | | |
| 215 | 220 | " " (WET) " " " | " " | | | | | | |
| 220 | 225 | BRICK RED/BROWN (DAMP) & MINOR LIGHT QCMS W/ RUSTY FRACTURES | " " | | | | | | |
| 225 | 230 | DARK GREEN QUARTZ CHLORITE MUSCOVITE SCHIST | TRACE PYRITE | | | | | | |
| 230 | 255 | LIGHT GREEN (WET) " " " " | " " | | | | | | |
| 255 | 240 | " " " " " " | " " | | | | | | |
| 240 | 245 | " " " " " " | " " | | | | | | |
| 245 | 250 | " " " " " " | " " | | | | | | |
| 250 | 255 | " " " " " " | " " | | | | | | |
| 255 | 260 | " " " " " " | " " | | | | | | |
| 260 | 265 | " " " " " " | " " | | | | | | |
| 265 | 270 | " " " " " " | " " | | | | | | |
| 270 | 275 | " " " " " " | " " | | | | | | |
| 275 | 280 | " " " " " " | " " | | | | | | |
| 280 | 285 | " " (DAMP) " " " | TRACE GALENA PYRITE | | | | | | |
| 285 | 290 | " " " " " " | TRACE GALENA " | | | | | | |
| 290 | 295 | " " " " " " | " " | | | | | | |
| 295 | 300 | " " " " " " | 1% PYRITE | | | | | | |
| 300 | 305 | " " (WET) " " " | GALENA | | | | | | |
| 305 | 310 | " " (DAMP) " " " | " PYRITE | | | | | | |
| 310 | 315 | " " (WET) " " " | " PYRITE | | | | | | |
| 315 | 320 | " " " " " " | 1% PYRITE | | | | | | |
| 320 | 325 | " " " " " " | " " | | | | | | |
| 325 | 330 | PALE GREEN (DAMP) " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90 R 29
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 330 | 335 | PALE GREEN (DAMP) QUARTZ CHLORITE MUSCOVITE SCHIST | 1% PYRITE | | | | | | |
| 335 | 340 | GREENISH/BROWN " " " " | " " | | | | | | |
| 340 | 345 | " " " " | TRACE " | | | | | | |
| 345 | 350 | " " (DAMP) " " " " | " " | | | | | | |
| * 350 | 355 | PALE GREEN (DAMP) " " " " | TRACE PYRITE | | | | | | |
| 355 | 360 | " " " " " SCHIST | " " | | | | | | |
| 360 | 365 | " " (WET) " " " " | " " | | | | | | |
| 365 | 370 | " " (DAMP) " " " " | TRACE PYRITE | | | | | | |
| 370 | 375 | " " (WET) " " " " | " " | | | | | | |
| 375 | 380 | " " (DAMP) " " " " | " " | | | | | | |
| 380 | 385 | " " " " " " | " " | | | | | | |
| 385 | 390 | " " " " " " | " " | | | | | | |
| 390 | 395 | " " " " " " | " " | | | | | | |
| 395 | 400 | " " " " " " | " " | | | | | | |
| 400 | 405 | " " " " " " | " " | | | | | | |
| 405 | 410 | " " " " " " | " " | | | | | | |
| 410 | 415 | " " " " " " | " " | | | | | | |
| 415 | 420 | " " " " " " | " " | | | | | | |
| 420 | 425 | " " " " " " | " " | | | | | | |
| 425 | 430 | " " (WET) " " " " | " " | | | | | | |
| 430 | 435 | " " " " " " | " " | | | | | | |
| 435 | 440 | " " (DAMP) " " " " | " " | | | | | | |
| 440 | 445 | " " " " " " | " " | | | | | | |
| 445 | 450 | " " (WET) " " " " | " " | | | | | | |
| | | END OF HOLE | | | | | | | |
| * POSSIBLE | V-6. 1st | HIGHLY OXIDIZED MAGNETITE (?) OR $MnO_2$ (?) OR GALENA (?) | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| ELDORADO CREEK | GRAY GULCH I.P. LINE 220N | 200 E | | NOV. 6 1990 | 90 R 30 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -45° | 260° | | 490' | |

Purpose: TO TEST I.P. GEOPHYSICAL TARGET & ELDORADO CU STEEP FAULT

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE PYRITE MINERALIZ. | | | | | | |
| 5 | 10 | " " " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " " " | " " | | | | | | |
| 20 | 25 | " " " " " " | " " | | | | | | |
| 25 | 30 | " " " " " " | " " | | | | | | |
| 30 | 35 | " " " " " " | " " | | | | | | |
| 35 | 40 | " " " " " " | " " | | | | | | |
| 40 | 45 | " " " QUARTZ CHLORITE " " | " " | | | | | | |
| 45 | 50 | " " " " " " | " " | | | | | | |
| 50 | 55 | " " " " " " | " " | | | | | | |
| 55 | 60 | " " " " " " | " " | | | | | | |
| 60 | 65 | " " " " " " | " " | | | | | | |
| 65 | 70 | PALE GREY/WHITE " " " " | " " | | | | | | |
| 70 | 75 | " " " " " " | " " | | | | | | |
| 75 | 80 | " " " QUARTZ MUSCOVITE SCHIST | " " | | | | | | |
| 80 | 85 | " " " " " | " " | | | | | | |
| 85 | 90 | " " " QUARTZ CHLORITE MUSCOVITE SCHIST | " " | | | | | | |
| 90 | 95 | DARK BROWN (OXIDIZED) " " " | " " | | | | | | |
| 95 | 100 | " " " " " " | " " | | | | | | |
| 100 | 105 | PALE GREY/GREEN " " " | " " | | | | | | |
| 105 | 110 | MEDIUM GREEN (WET) " " " | " " | | | | | | |
| 110 | 115 | " " " " " " | " " | | | | | | |
| 115 | 120 | PALE GREY/WHITE " " " | " " | | | | | | |
| 120 | 125 | BROWN (WET) " " " | " " | | | | | | |
| 125 | 130 | " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " | " " | | | | | | |
| 135 | 140 | " " " " " | " " | | | | | | |
| 140 | 145 | " " " " " | " " | | | | | | |
| 145 | 150 | " " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90 R 80
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 155 | 160 | BROWN (DAMP) QUARTZ CHLORITE MUSCOVITE SCHIST | 1% PYRITE | | | | | | |
| 160 | 165 | " (WET) " " " " | " " | | | | | | |
| 165 | 170 | LIGHT BROWN (WET) " " " " | " " | | | | | | |
| 170 | 175 | BROWN (WET) " " " " | " " | | | | | | |
| 175 | 180 | " " " " " " | " " | | | | | | |
| 180 | 185 | " (DAMP) " " " " | " " | | | | | | |
| 185 | 190 | " (WET) " " " " | " " | | | | | | |
| 190 | 195 | " " " " " " | TRACE PYRITE | | | | | | |
| 195 | 200 | " " " " " " | " " | | | | | | |
| 200 | 205 | PALE GREY/WHITE (WET) " " " " | " " | | | | | | |
| 205 | 210 | " " " (DAMP) " " " " | " " | | | | | | |
| 210 | 215 | PALE BROWN (WET) " " " " | " " | | | | | | |
| 215 | 220 | " " " " " " | " " | | | | | | |
| 220 | 225 | GREENISH/BROWN (DAMP) " " " " | " " | | | | | | |
| 225 | 230 | " " " " " " | " " | | | | | | |
| 230 | 235 | " " " " " " | " " | | | | | | |
| 235 | 240 | " " (WET) " " " " | " " | | | | | | |
| 240 | 245 | " " (DAMP) " " " " | " " | | | | | | |
| 245 | 250 | " " " " " " | " " | | | | | | |
| 250 | 255 | " " " " " " | " " | | | | | | |
| 255 | 260 | " " " " " " | " " | | | | | | |
| 260 | 265 | " " " " " " | " " | | | | | | |
| 265 | 270 | PALE GREY/WHITE (DAMP) " " " " | " " | | | | | | |
| 270 | 275 | " " " " QUARTZ RICH " " | 1% PYRITE | | | | | | |
| 275 | 280 | " " " " QUARTZ CHLORITE " " | " " | | | | | | |
| 280 | 285 | " " " " " " " | " " | | | | | | |
| 285 | 290 | " " " " " " " | " " | | | | | | |
| 290 | 295 | BROWNISH (DAMP) " " " " | " " | | | | | | |
| 295 | 300 | PALE GREY/WHITE (DAMP) " " " " | " " | | | | | | |
| 300 | 305 | LIGHT BROWN (WET) " " " " | " " | | | | | | |
| 305 | 310 | PALE GREY/GREEN (WET) " " " " | " " | | | | | | |
| 310 | 315 | DARK GREEN (DAMP) " " " " | " " | | | | | | |
| 315 | 320 | " " " " " " | " " | | | | | | |
| 320 | 325 | " " " " " " | 2% PYRITE | | | | | | |
| 325 | 330 | " " " " " " | " " | | | | | | |
| 330 | 335 | " " " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90 R 30
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 335 | 340 | DARK GREEN (DAMP) QUARTZ CHLORITE MUSCOVITE SCHIST | 23 PYRITE | | | | | | |
| 340 | 345 | " " " " " " " | 1% " | | | | | | |
| 345 | 350 | " " " " " " " | TRACE " | | | | | | |
| 350 | 355 | " " " " " " " | " " | | | | | | |
| 355 | 360 | " " " " " " " | 1% " | | | | | | |
| 360 | 365 | " " " " " " " | " " | | | | | | |
| 365 | 370 | " " " " " " " | " " | | | | | | |
| 370 | 375 | " " " " " " " | TRACE " | | | | | | |
| 375 | 380 | " " " " " " " | 1% " | | | | | | |
| 380 | 385 | " " " " " " " | 2% " | | | | | | |
| 385 | 390 | " " " " " " " | TRACE " | | | | | | |
| 390 | 395 | " " " " " " " | 1% " | | | | | | |
| 395 | 400 | " " " " " " " | TRACE " | | | | | | |
| 400 | 405 | " " " " " " " | " " | | | | | | |
| 405 | 410 | " " " " " " " | 1% " | | | | | | |
| 410 | 415 | LIGHT GREEN DAMP " " " " " | " " | | | | | | |
| 415 | 420 | " " " " " " " | " " | | | | | | |
| 420 | 425 | PALE GREEN/WHITE (DAMP) " " " " | TRACE " | | | | | | |
| 425 | 430 | " " " " " " " | " " | | | | | | |
| 430 | 435 | " " " " " " " | " " | | | | | | |
| 435 | 440 | " " " " QUARTZ RICH " " " | " " | | | | | | |
| 440 | 445 | " " " " " " " | " " | | | | | | |
| 445 | 450 | " " " " " " " | 1% " | | | | | | |
| 450 | 455 | " " " " " " " | 2% " | | | | | | |
| 455 | 460 | " " " " " " " | " " | | | | | | |
| 460 | 465 | " " " " " " " | " " | | | | | | |
| 465 | 470 | " " " " " " " | 1% " | | | | | | |
| 470 | 475 | " " " " " " " | TRACE " | | | | | | |
| 475 | 480 | " " " " " " " | " " | | | | | | |
| 480 | 485 | " " " " " " " | " " | | | | | | |
| 485 | 490 | " " " " " " " | " " | | | | | | |
| 490 | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| ELDORADO CK | EL IPL 45+00S | | | NOV. 7 1990 | 90R31 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -45° | 200° | | 300 ft | |

Purpose: To test I.P. anomaly + Eldorado Ck step fault

| Footage From | Footage To | Description | Sample Number | Assays: Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5' | RED/BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE PYR. | | | | | | |
| 5 | 10 | " " " QUARTZ CHLORITE MUSCOVITE SCHIST | " " | | | | | | |
| 10 | 15 | " " " " " " " | VERY " " | | | | | | |
| 15 | 20 | " " " " " " " | TRACE " | | | | | | |
| 20 | 25 | " " " " " " " | - " | | | | | | |
| 25 | 30 | PALE BROWN " " " " " | " " | | | | | | |
| 30 | 35 | GREY/WHITE " " " " " | " " | | | | | | |
| 35 | 40 | " " " " " " " | " " | | | | | | |
| 40 | 45 | " " " " " " " | " " | | | | | | |
| 45 | 50 | " " " " " " " | " " | | | | | | |
| 50 | 55 | " " " " " " " | 1% PYR. | | | | | | |
| 55 | 60 | " " " " " " " | " " | | | | | | |
| 60 | 65 | " " " " " " " | 2% " | | | | | | |
| 65 | 70 | " " " " " " " | 2% " | | | | | | |
| 70 | 75 | " " " " " " " | " " | | | | | | |
| 75 | 80 | " " " " " " " | " " | | | | | | |
| 80 | 85 | " " " " " " " | " " | | | | | | |
| 85 | 90 | " " " " " " " | 1% " | | | | | | |
| 90 | 95 | " " " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " " " | " " | | | | | | |
| 100 | 105 | " " " " " " " | " " | | | | | | |
| 105 | 110 | " " " " " " " | >1% " | | | | | | |
| 110 | 115 | " " " " " " " | TRACE " | | | | | | |
| 115 | 120 | BUFF " " " " " | VERY TRACE " | | | | | | |
| 120 | 125 | BROWN (WET) " " " " | " " " | | | | | | |
| 125 | 130 | BUFF " " " " " | " " " | | | | | | |
| 130 | 135 | GREY/WHITE " " " " | 1% PYR. | | | | | | |
| 135 | 140 | " " " " " " " | " " | | | | | | |
| 140 | 145 | BROWN (WET) " " " " | TRACE PYR. | | | | | | |
| 145 | 150 | BUFF " " " " " | " " " | | | | | | |

← 12 MAGNETITE

# PERCUSSION DRILL LOG



90 RJ1
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | BLUE QUARTZ CHLORITE MUSCOVITE SCHIST | 19 PYR+LIM | | | | | | |
| 155 | 160 | REDDISH/BLUE | 29 PYR+LIM | | | | | | |
| 160 | 165 | GREEN | 〃 | | | | | | |
| 165 | 170 | RED/BROWN | 〃 | | | | | | |
| 170 | 175 | GREENISH/GREY | 〃 | | | | | | |
| 175 | 180 | 〃 〃 | 19 PYR+LIM | | | | | | |
| 180 | 185 | 〃 〃 | 〃 | | | | | | |
| 185 | 190 | 〃 〃 | TRACE 〃 | | | | | | |
| 190 | 195 | 〃 〃 | TRACE 〃 | | | | | | |
| 195 | 200 | 〃 〃 | 〃 | | | | | | |
| 200 | 205 | 〃 〃 | 〃 | | | | | | |
| 205 | 210 | GREY/WHITE | 〃 | | | | | | |
| 210 | 215 | 〃 〃 (WET) | 〃 | | | | | | |
| 215 | 220 | 〃 〃 (WET) | 〃 | | | | | | |
| 220 | 225 | 〃 〃 | 〃 | | | | | | |
| 225 | 230 | 〃 〃 | 〃 | | | | | | |
| 230 | 235 | 〃 〃 | 〃 | | | | | | |
| 235 | 240 | 〃 〃 (WET) | 〃 | | | | | | |
| 240 | 245 | GREY/GREEN (WET) | 〃 | | | | | | |
| 245 | 250 | 〃 〃 (WET) | 〃 | | | | | | |
| 250 | 255 | 〃 〃 (WET) | 〃 | | | | | | |
| 255 | 260 | 〃 〃 (WET) | 〃 | | | | | | |
| 260 | 265 | 〃 〃 (WET) | 〃 | | | | | | |
| 265 | 270 | 〃 〃 (WET) | 〃 | | | | | | |
| 270 | 275 | REDDISH BLUE (WET) | 〃 | | | | | | |
| 275 | 280 | GREY/GREEN (WET) | 〃 | | | | | | |
| 280 | 285 | 〃 〃 (WET) | 〃 | | | | | | |
| 285 | 290 | 〃 〃 (WET) | 〃 | | | | | | |
| 290 | 295 | 〃 〃 (WET) | 〃 | | | | | | |
| 295 | 300 | 〃 〃 (WET) | 〃 | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| 27 Pup | | | | Nov. 8, 1990 | 90 R32 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 102 Ft | |

Purpose: High-grade pyritic veins extension to depth.

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OXIDIZED) Quartz Muscovite Schist | TAKE PYRITE TRACE MINERAL | | | | | | |
| 5 | 10 | " " " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " " " | " " | | | | | | |
| 20 | 25 | " " " " " " | " " | | | | | | |
| 25 | 30 | " " " " " " | " " | | | | | | |
| 30 | 35 | ORANGE BROWN (OXIDIZED) " " " | " " | | | | | | |
| 35 | 40 | " " " " " " | " " | | | | | | |
| 40 | 45 | " " " " " " | 19. MINERALIZE | | | | | | |
| 45 | 50 | " " " " " " | " " | | | | | | |
| 50 | 55 | DARK BROWN " " " " | 19. MINERALIZE TRACE PYRITE | | | | | | |
| 55 | 60 | PALE BROWN " " " " | " " | | | | | | |
| 60 | 65 | " " " " " " | " " | | | | | | |
| 65 | 70 | " " " " " " | " " | | | | | | |
| 70 | 75 | " " " " " " | " " | | | | | | |
| 75 | 80 | " " " " " " | " " | | | | | | |
| 80 | 85 | " " " " " " | " " | | | | | | |
| 85 | 90 | " " " " " " | " " | | | | | | |
| 90 | 95 | " " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " " | " " | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| 27 PUP | | | | Nov. 8, 1990 | 90 R 33 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 100 ft | |

Purpose: High-grade pyritic veins Extension To depth.

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (EXPOSED) QUARTZ MUSCOVITE SCHIST | TRACE PYRITE TRACE MAGNET | | | | | | |
| 5 | 10 | PALE BROWN " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " " " | TRACE PYRITE | | | | | | |
| 20 | 25 | " " " " " " | " " | | | | | | |
| 25 | 30 | " " " " " " | " " | | | | | | |
| 30 | 35 | " " " " " " | " " | | | | | | |
| 35 | 40 | " " " " " " | " " | | | | | | |
| 40 | 45 | DARK BROWN " " " | " " | | | | | | |
| 45 | 50 | PALE BROWN " " " | " " | | | | | | |
| 50 | 55 | " " " " " | " " | | | | | | |
| 55 | 60 | " " " " " | " " | | | | | | |
| 60 | 65 | DARK BROWN " " " | " " | | | | | | |
| 65 | 70 | MEDIUM " " " | " " | | | | | | |
| 70 | 75 | PALE GREY/WHITE " " | " " | | | | | | |
| 75 | 80 | " " " " " | " " | | | | | | |
| 80 | 85 | ORANGE BROWN " (WET) " | " " | | | | | | |
| 85 | 90 | DARK BROWN " (WET) QUARTZ CHLORITE MUSCOVITE SCHIST | " " | | | | | | |
| 90 | 95 | " " " " " " | " " | | | | | | |
| 95 | 100 | BRICK RED/DARK BROWN " " " " | " " | | | | | | |
| | | (RED COLORING DUE TO OXIDATION OF CHLORITE TO BRIGHT RED MINERAL) | | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| 27 PUP | | | | Nov. 8, 1990 | 90 R 54 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 100 ft | |

Purpose: High grade pyritic veins extension to depth

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | MEDIUM BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE MOLY | | | | | | |
| 5 | 10 | " " " | " " | | | | | | |
| 10 | 15 | " " " | " " | | | | | | |
| 15 | 20 | " " " | " " | | | | | | |
| 20 | 25 | " " " | " " | | | | | | |
| 25 | 30 | " " " | " " | | | | | | |
| 30 | 35 | " " " | " " | | | | | | |
| 35 | 40 | " " " | " " | | | | | | |
| 40 | 45 | " " " | " " | | | | | | |
| 45 | 50 | " " " | " " | | | | | | |
| 50 | 55 | PALE BROWN (OXIDIZED) | Ø Ø | | | | | | |
| 55 | 60 | " " " | TRACE MOLY | | | | | | |
| 60 | 65 | " " " | " " | | | | | | |
| 65 | 70 | " " " | " " | | | | | | |
| 70 | 75 | " " " | TRACE MOLY TRACE PYRITE | | | | | | |
| 75 | 80 | " " " | | | | | | | |
| 80 | 85 | " " " | " " | | | | | | |
| 85 | 90 | " " " | " " | | | | | | |
| 90 | 95 | " " " | " " | | | | | | |
| 95 | 100 | PALE GREY SILICIFIED | | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| 27 RVP | | | | Nov. 7 1986 | 90R35 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 100 ft | |

Purpose: High-grade pyritic vein extension to depth

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | PALE BROWN Quartz Muscovite Schist | NIL | | | | | | |
| 5 | 10 | " " Quartz Chlorite Muscovite Schist | TRACE PYRITE | | | | | | |
| 10 | 15 | " " " " " " | " " | | | | | | |
| 15 | 20 | PALE GREY/GREEN " " " " | " " | | | | | | |
| 20 | 25 | " " " " " " | " " | | | | | | |
| 25 | 30 | " " " " " " | 1% PYRITE 1% MAGNET | | | | | | |
| 30 | 35 | " " " " " " | " " | | | | | | |
| 35 | 40 | " " " " " " | " " | | | | | | |
| 40 | 45 | " " " " " " | " " | | | | | | |
| 45 | 50 | " " " " " " | " " | | | | | | |
| 50 | 55 | " " " " " " | TRACE | | | | | | |
| 55 | 60 | " " " " " " | " " | | | | | | |
| 60 | 65 | " " " " " " | " " | | | | | | |
| 65 | 70 | " " " " " " | " " | | | | | | |
| 70 | 75 | " " " " " " | " " | | | | | | |
| 75 | 80 | " " " " " " | " " | | | | | | |
| 80 | 85 | " " " " " " | 1% PYRITE | | | | | | |
| 85 | 90 | MEDIUM GREY " " " " | 2% PYRITE | | | | | | |
| 90 | 95 | " " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " " | " " | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| FRENCH GULCH | FG IPL 6+60S | 8+60E | | Nov. 8-9 1990 | 90R36 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -50° | 180° | | 400 | |

Purpose: I.P. anomally

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OXIDIZED) (WET) QUARTZ CHLORITE MUSCOVE SCHIST | TRACE PYRITE TRACE MALACHITE | | | | | | |
| 5 | 10 | " " " " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " " " " | " " | | | | | | |
| 20 | 25 | " " " (WET) " " " | " " | | | | | | |
| 25 | 30 | MEDIUM " " " " " " | " " | | | | | | |
| 30 | 35 | PALE GREY/WHITE " " " " | " " | | | | | | |
| 35 | 40 | " " " " " " " | " " | | | | | | |
| 40 | 45 | PALE GREY/GREEN " " " " | " " | | | | | | |
| 45 | 50 | MEDIUM BROWN (WET) " " " | " " | | | | | | |
| 50 | 55 | " " " " " " | " " | | | | | | |
| 55 | 60 | LIGHT BROWN " " " " | " " | | | | | | |
| 60 | 65 | DARK BROWN (WET) " " " | 190 " | | | | | | |
| 65 | 70 | " " " " " " | " " | | | | | | |
| 70 | 75 | GREY/GREEN (WET) " " " | TRACE " | | | | | | |
| 75 | 80 | " " " " " " | " " | | | | | | |
| 80 | 85 | " " " " " " | " " | | | | | | |
| 85 | 90 | " " " " " " | " " | | | | | | |
| 90 | 95 | " " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " " | 120 PYRITE MALACHITE | | | | | | |
| 100 | 105 | DARK GREY " " " " | 130 MALACHITE 230 PYRITE MALACHITE | | | | | | |
| 105 | 110 | " " " " " " | " " | | | | | | |
| 110 | 115 | GREY/GREEN (WET) " " " | " " | | | | | | |
| 115 | 120 | " " " " " " | " " | | | | | | |
| 120 | 125 | DARK GREY " " " " | " " | | | | | | |
| 125 | 130 | " " " " " " | " " | | | | | | |
| 130 | 135 | GREY GREEN " " " " | " " | | | | | | |
| 135 | 140 | " " (WET) " " " | " " | | | | | | |
| 140 | 145 | " " " " " " | 390 PYRITE TRACE MALACHITE | | | | | | |
| 145 | 150 | " " " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90R36
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | GREY/GREEN QUARTZ CHLORITE MUSCOVITE SCHIST | 5% PYRITE | | | | | | |
| 155 | 160 | " " " " " " | " " | | | | | | |
| 160 | 165 | " " " " " " | 1% PYRITE | | | | | | |
| 165 | 170 | " " " " " " | " " | | | | | | |
| 170 | 175 | " " (WET) " " " " | " " | | | | | | |
| 175 | 180 | " " " " " " | " " | | | | | | |
| 180 | 185 | " " " " " " | " " | | | | | | |
| 185 | 190 | " " " " " " | " " | | | | | | |
| 190 | 195 | " " " " " " | " " | | | | | | |
| 195 | 200 | " " " " " " | " " | | | | | | |
| 200 | 205 | " " " (VEIN QUARTZ?) " " " | " " | | | | | | |
| 205 | 210 | " " " " " " | " " | | | | | | |
| 210 | 215 | " " " (VEIN QUARTZ?) " " " | " " | | | | | | |
| 215 | 220 | " " " " " " | " " | | | | | | |
| 220 | 225 | " " " " " " | " " | | | | | | |
| 225 | 230 | " " " " " " | 2% PYRITE | | | | | | |
| 230 | 235 | " " " " " " | 1% PYRITE | | | | | | |
| 235 | 240 | " " " " " " | TRACE PYRITE | | | | | | |
| 240 | 245 | " " " " " " | " " | | | | | | |
| 245 | 250 | " " " " " " | TRACE PYRITE | | | | | | |
| 250 | 255 | " " " " " " | 1% PYRITE | | | | | | |
| 255 | 260 | " " " " " " | TRACE PYRITE | | | | | | |
| 260 | 265 | " " " " " " | " " | | | | | | |
| 265 | 270 | " " " " " " | TRACE PYRITE | | | | | | |
| 270 | 275 | " " " " " " | 1% PYRITE | | | | | | |
| 275 | 280 | " " " " " " | TRACE PYRITE | | | | | | |
| 280 | 285 | " " " " " " | " " | | | | | | |
| 285 | 290 | " " " " " " | 2% PYRITE | | | | | | |
| 290 | 295 | " " " " " " | " " | | | | | | |
| 295 | 300 | " " " " " " | " " | | | | | | |
| 300 | 305 | " " " " " " | " " | | | | | | |
| 305 | 310 | " " " " " " | " " | | | | | | |
| 310 | 315 | DARK GREEN " " " " | " " | | | | | | |
| 315 | 320 | " " " " " " | " " | | | | | | |
| 320 | 325 | " " " " " " | 1% PYRITE | | | | | | |
| 325 | 330 | " " " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90 R 36
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 330 | 335 | DARK GREEN QUARTZ CHLORITE MUSCOVITE SCHIST | 1% PYRITE | | | | | | |
| 335 | 340 | 〃 | 〃 | | | | | | |
| 340 | 345 | 〃 | 〃 | | | | | | |
| 345 | 350 | 〃 | 〃 | | | | | | |
| 350 | 355 | 〃 | 〃 | | | | | | |
| 355 | 360 | 〃 | 〃 | | | | | | |
| 360 | 365 | 〃 | 〃 | | | | | | |
| 365 | 370 | 〃 | 〃 | | | | | | |
| 370 | 375 | 〃 | 〃 | | | | | | |
| 375 | 380 | 〃 | 〃 | | | | | | |
| 380 | 385 | 〃 | 〃 | | | | | | |
| 385 | 390 | 〃 | 〃 | | | | | | |
| 390 | 395 | 〃 | 1% PYRITE TRACE PYRRHO | | | | | | |
| 395 | 400 | BLACK QUARTZ GRAPHITE SCHIST | 7% PYRITE | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| FRENCH GULCH | FL IPL 3+60E | 5+50S | | Nov. 9 1990 | 90R37 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -75° | 030° | | 300 ft | |

Purpose: I.P. anomally

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | RED BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE ARSENY TRACE PYRITE | | | | | | |
| 5 | 10 | " " " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " " " | " " | | | | | | |
| 20 | 25 | MEDIUM GREEN " " " " | TRACE PYRITE | | | | | | |
| 25 | 30 | " " QUARTZ CHLORITE MUSCOVITE SCHIST | " " | | | | | | |
| 30 | 35 | " " " " " " | " " | | | | | | |
| 35 | 40 | " " " " " " | " " | | | | | | |
| 40 | 45 | " " " " " " | 1% " | | | | | | |
| 45 | 50 | PALE GREEN/GREY (WHITE VEINLETS) " " " | 2% " | | | | | | |
| 50 | 55 | " " " " " " | 1% " | | | | | | |
| 55 | 60 | " " " " " " | " " | | | | | | |
| 60 | 65 | " " " " " " | " " | | | | | | |
| 65 | 70 | " " " MINOR " " | " " | | | | | | |
| 70 | 75 | " " " GRAPHITE " " | TRACE " | | | | | | |
| 75 | 80 | " " " /BLACK GRAPHITE " " | " " | | | | | | |
| 80 | 85 | DARK GREY " " " " | 1% PYRITE TRACE MINERAL | | | | | | |
| 85 | 90 | " " " " " " | " " | | | | | | |
| 90 | 95 | BLACK GRAPHITE SCHIST | TRACE MINERAL | | | | | | |
| 95 | 100 | DARK GREY QUARTZ CHLORITE MUSCOVITE SCHIST | TRACE PYRITE | | | | | | |
| 100 | 105 | PALE GREY " " " " | 1% MINERAL TRACE PYRITE | | | | | | |
| 105 | 110 | PALE GREY/GREEN " " " " | " " | | | | | | |
| 110 | 115 | PALE GREY " " " " | " " | | | | | | |
| 115 | 120 | MEDIUM GREY " " " " | 1% MINERAL | | | | | | |
| 120 | 125 | PALE BROWN " " " " | 1% PYRITE | | | | | | |
| 125 | 130 | PALE GREY/BROWN " " " " | " " | | | | | | |
| 130 | 135 | PALE GREY " " " " | " " | | | | | | |
| 135 | 140 | " " " " " " | 1% PYRITE | | | | | | |
| 140 | 145 | " " " " " " | " " | | | | | | |
| 145 | 150 | " " " " " " | 3% " | | | | | | |

# PERCUSSION DRILL LOG



90R37
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | MEDIUM GREY/GREEN QUARTZ CHLORITE MUSCOVITE SCHIST | 3% PYRITE | | | | | | |
| 155 | 160 | GREEN (WET) | " " | | | | | | |
| 160 | 165 | " " | " " | | | | | | |
| 165 | 170 | " " | " " | | | | | | |
| 170 | 175 | PALE GREY/GREEN | " " | | | | | | |
| 175 | 180 | GREEN (DAMP) | " " | | | | | | |
| 180 | 185 | " (WET) | " " | | | | | | |
| 185 | 190 | " " | " " | | | | | | |
| 190 | 195 | " " | [illegible] | | | | | | |
| 195 | 200 | " " | " " | | | | | | |
| 200 | 205 | " " | 1% MICAS. 1% PYRITE | | | | | | |
| 205 | 210 | " " | " " | | | | | | |
| 210 | 215 | " " | " " | | | | | | |
| 215 | 220 | " " | " " | | | | | | |
| 220 | 225 | BLACK (WET) GRAPHITE SCHIST ± QCM SCHIST | " " | | | | | | |
| 225 | 230 | " " | " " | | | | | | |
| 230 | 235 | " " ± MUSC " | 2% PYRITE 1% MICAS | | | | | | |
| 235 | 240 | " " | " " | | | | | | |
| 240 | 245 | " " | " " | | | | | | |
| * 245 | 250 | DARK GREENISH BLACK (WET) QUARTZ CHLOR/MUS SCHIST ± GR. SCH | 2% PYRITE | | | | | | |
| * 250 | 255 | " " " " " " " " | " " | | | | | | |
| * 255 | 260 | BLACK (DAMP) GRAPHITE SCHIST ± QCMS | " " | | | | | | |
| 260 | 265 | " " QUARTZ CHLORITE MUSC SCH ± GRAPH SCHIST | 3% " | | | | | | |
| 265 | 270 | DARK GREY " " | " " | | | | | | |
| 270 | 275 | " " | " " | | | | | | |
| 275 | 280 | BLACK " " | " " | | | | | | |
| 280 | 285 | DARK GREY " " | " " | | | | | | |
| 285 | 290 | BLACK " " | " " | | | | | | |
| 290 | 295 | " " | " " | | | | | | |
| 295 | 300 | " " | " " | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| FRENCH GULCH | FG IPL 3+40E | 3+60S | | NOV 9-10, 1990 | 90 R 38 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -50° | 040° | | 250' ft | |

Purpose: I.P. anomally

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | ORANGE/BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | TRACE PYRITE | | | | | | |
| 5 | 10 | BROWN/GREY QUARTZ MUSCOVITE GRAPHITE SCHIST | " | | | | | | |
| 10 | 15 | " " " GRAPHITE MUSCOVITE SCHIST | " | | | | | | |
| 15 | 20 | LIGHT ORANGE/BROWN (OXIDIZED) QUARTZ MUSCOVITE SCHIST | " | | | | | | |
| 20 | 25 | LIGHT BROWN/GREY QUARTZ MUSCOVITE CHLORITE " | " | | | | | | |
| 25 | 30 | LIGHT ORANGE/BROWN (OXIDIZED) QUARTZ MUSCOVITE " | " | | | | | | |
| 30 | 35 | " " " " QUARTZ MUSCOVITE CHLORITE " | " | | | | | | |
| 35 | 40 | " " " " QUARTZ CHLORITE MUSCOVITE " | " | | | | | | |
| 40 | 45 | " " " " " MUSCOVITE " | " | | | | | | |
| 45 | 50 | " " " " " " " | " | | | | | | |
| 50 | 55 | ORANGE/BROWN & BROWN/GREY QUARTZ MUSCOVITE SCHIST + DIABASE DYKE | " | | | | | | |
| 55 | 60 | BROWN/GREY QUARTZ MUSCOVITE GRAPHITE SCHIST | " | | | | | | |
| 60 | 65 | " " " " " " | " | | | | | | |
| 65 | 70 | " " " " " " | " | | | | | | |
| 70 | 75 | LIGHT ORANGE BROWN " " " | " | | | | | | |
| 75 | 80 | ORANGE/BROWN & BROWN/GREY " " " | " | | | | | | |
| 80 | 85 | DARK GREY QUARTZ " " | " | | | | | | |
| 85 | 90 | BLACK " " " | " | | | | | | |
| 90 | 95 | PALE GREY/WHITE TRACE GRAPHITE QUARTZ MUSCOVITE SCHIST | " | | | | | | |
| 95 | 100 | BROWN/GREY QUARTZ MUSCOVITE GRAPHITE SCHIST | " | | | | | | |
| 100 | 105 | BROWN/BLACK " " " " | " | | | | | | |
| 105 | 110 | ORANGE/BROWN " " " " | TRACE PYRITE | | | | | | |
| 110 | 115 | LIGHT ORANGE/BROWN " " " " | " " | | | | | | |
| 115 | 120 | " " " QUARTZ MUSCOVITE SCHIST | " " | | | | | | |
| 120 | 125 | " " " " " " | " " | | | | | | |
| 125 | 130 | " " " " " " | " " | | | | | | |
| 130 | 135 | " " " " GRAPHITE " " | " " | | | | | | |
| 135 | 140 | LIGHT GREY " " " " | " " | | | | | | |
| 140 | 145 | " " " " " " | " " | | | | | | |
| 145 | 150 | " " " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90R38
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | LIGHT GREY/BROWN QUARTZ CHLORITE MUSCOVITE SCHIST | 1% PYRITE | | | | | | |
| 155 | 160 | " " " " " " | " " | | | | | | |
| 160 | 165 | " " " " " " | " " | | | | | | |
| 165 | 170 | PALE GREY " " " " | " " | | | | | | |
| 170 | 175 | LIGHT GREY/BROWN " " " | 1% PYRITE 1% MAGNETITE | | | | | | |
| 175 | 180 | LIGHT GREY " " " | " " | | | | | | |
| 180 | 185 | " " QUARTZ CHLORITE SCHIST | 1% PYRITE 2% ARSENOPYRITE | | | | | | |
| 185 | 190 | " " " " " | " " | | | | | | |
| 190 | 195 | " " " " " | 1% PYRITE 2% ARSENOPYRITE | | | | | | |
| 195 | 200 | " " " " " | 1% PYRITE 1% ARSENOPYRITE | | | | | | |
| 200 | 205 | " " " " " | " " | | | | | | |
| 205 | 210 | " " " " " | " " | | | | | | |
| 210 | 215 | " " " " " | " " | | | | | | |
| 215 | 220 | " " " " " | 3% PYRITE | | | | | | |
| 220 | 225 | " " " " " | " " | | | | | | |
| 225 | 230 | DARK GREY/BLACK QUARTZ CHLORITE CARBONATE SCHIST | " " | | | | | | |
| 230 | 235 | " " " " " " | " " | | | | | | |
| 235 | 240 | " " " " " " | " " | | | | | | |
| 240 | 245 | " " " " " " | " " | | | | | | |
| 245 | 250 | DARK GREY " " " " | " " | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| O'NEIL GULCH | O'NEIL/McKAY | ONEIL I PL 1400E | 0+20S | NOV. 10-11, 1990 | 90 R 39 |
|---|---|---|---|---|---|
| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
| -60° | 160° | | 300' ft | | |
| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth | |

Purpose: I.P. anomally near old adit

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | ORANGE/BROWN (WEATHERED) QUARTZ CHLORITE MUSCOVITE SCHIST | TRACE PYRITE | | | | | | |
| 5 | 10 | " " " " " " " | " " | | | | | | |
| 10 | 15 | RED/BROWN " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " " " " | TRACE MINERAL | | | | | | |
| 20 | 25 | DARK BROWN " " " " " | " " | | | | | | |
| 25 | 30 | DARK GREY QUARTZ SERICITE SCHIST | 1% PYRITE | | | | | | |
| 30 | 35 | WHITISH QUARTZ VEIN | 2% PYRITE | | | | | | |
| 35 | 40 | " QUARTZ VEIN IN CONTACT W/ DIABASE DYKE | 2% PYRITE | | | | | | |
| 40 | 45 | BLACK DIABASE DYKE W/ PEAK PORPHYRY | 1% PYRITE | | | | | | |
| 45 | 50 | WHITISH DIABASE DYKE IN CONTACT W/ QUARTZ VEIN | 2% PYRITE | | | | | | |
| 50 | 55 | DARK GREY DIABASE DYKE | 2% " | | | | | | |
| 55 | 60 | WHITISH QUARTZ VEIN | 2% " | | | | | | |
| 60 | 65 | PALE GREY DIABASE DYKE | 1% " | | | | | | |
| 65 | 70 | " " DIABASE DYKE W/ MINOR QUARTZ VEIN | 1% " | | | | | | |
| 70 | 75 | WHITISH QUARTZ VEIN | 2% " | | | | | | |
| 75 | 80 | " QUARTZ VEIN W/ MINOR DIABASE DYKE | 2% " | | | | | | |
| 80 | 85 | " QUARTZ MUSCOVITE CHLORITE SCHIST | 3% " | | | | | | |
| 85 | 90 | PALE GREEN " " " " | 3% " | | | | | | |
| 90 | 95 | WHITISH " " " " W/ QUARTZ VEIN | " " | | | | | | |
| 95 | 100 | " " " " " " | TRACE PBS | | | | | | |
| 100 | 105 | " " " " " " | " " | | | | | | |
| 105 | 110 | " " " " " " | " " | | | | | | |
| 110 | 115 | " " " " " " | " " | | | | | | |
| 115 | 120 | " " " " " " | TRACE PBS | | | | | | |
| 120 | 125 | " " " " " " | " " | | | | | | |
| 125 | 130 | " " " " " " W/ QUARTZ VEIN | " " | | | | | | |
| 130 | 135 | " " " " " " | " " | | | | | | |
| 135 | 140 | " " " " " " | 3% PYRITE | | | | | | |
| 140 | 145 | PALE GREY/GREEN " " " " | " " | | | | | | |
| 145 | 150 | WHITISH " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90R59
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | WHITISH " QUARTZ MUSCOVITE CHLORITE SCHIST | 3% PYRITE | | | | | | |
| 155 | 160 | " " " " " | " " | | | | | | |
| 160 | 165 | DARK GREY " " " " | " " | | | | | | |
| 165 | 170 | " " " " " | " " | | | | | | |
| 170 | 175 | " " (DAMP) " " " " | " " | | | | | | |
| 175 | 180 | " " " " " " | " " | | | | | | |
| 180 | 185 | " " (WET) " " " " | " " | | | | | | |
| 185 | 190 | DARK GREY/GREEN (WET) " " " " | " " | | | | | | |
| 190 | 195 | " " " " " " " | " " | | | | | | |
| 195 | 200 | " " " " " " " | " " | | | | | | |
| 200 | 205 | PALE " " " " " " | " " | | | | | | |
| 205 | 210 | " " " (DAMP) " " " | " " | | | | | | |
| X 210 | 215 | MEDIUM " " " " " " | TRACE PYS | | | | | | |
| 215 | 220 | PALE " " " " " " | 3% PYRITE | | | | | | |
| 220 | 225 | " " " " " " " | " " | | | | | | |
| 225 | 230 | MEDIUM " " " " " " | " " | | | | | | |
| 230 | 235 | " " " " " " " | " " | | | | | | |
| 235 | 240 | WHITISH (DAMP) QUARTZ VEIN | 2% PYRITE | | | | | | |
| 240 | 245 | " " " " | " " | | | | | | |
| 245 | 250 | " " " " | " " | | | | | | |
| 250 | 255 | " " " " | " " | | | | | | |
| 255 | 260 | " " " " | TRACE " | | | | | | |
| 260 | 265 | " " " " | " " | | | | | | |
| 265 | 270 | " " " " | " " | | | | | | |
| 270 | 275 | PALE GREEN (DAMP) QUARTZ CHLORITE MUSCOVITE SCHIST | " " | | | | | | |
| 275 | 280 | " " " " " " | " " | | | | | | |
| X 280 | 285 | " " " " " " | " " | | | | | | |
| 285 | 290 | WHITISH/GREY " " " " | " " | | | | | | |
| 290 | 295 | GREYISH " " " " | " " | | | | | | |
| 295 | 300 | " " " " | " " | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| FRENCH GULCH | ELDORADO CK IPL | 29+40S | | NOV. 16, 1990 | 90 R 45 |
|---|---|---|---|---|---|
| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
| -60° | 345° | | 350 ft | | |
| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth | |

I.P. anomaly
Purpose

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OXIDIZED) QUARTZ MUSCOVITE CHLORITE SCHIST | TRACE PYRITE TRACE MAGNET | | | | | | |
| 5 | 10 | " " " " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " " | TRACE PYRITE | | | | | | |
| 15 | 20 | " " " (WET) " " " " | " " | | | | | | |
| 20 | 25 | GREY/GREEN " " " " | " " | | | | | | |
| 25 | 30 | " " " " " " " | " " | | | | | | |
| 30 | 35 | GREY (WET) " " " " | " " | | | | | | |
| 35 | 40 | " " " " " " " | 2% PYRITE | | | | | | |
| 40 | 45 | PALE GREY/WHITE " " " " | " " | | | | | | |
| 45 | 50 | " " " " " " " | " " | | | | | | |
| 50 | 55 | " " " " " " " | " " | | | | | | |
| 55 | 60 | DARK GREY (DAMP) " " " " | TRACE MAGNET | | | | | | |
| 60 | 65 | DARK GREY/GREEN " " " " | 2% PYRITE | | | | | | |
| 65 | 70 | " " " QUARTZ CHLORITE SCHIST | " " | | | | | | |
| 70 | 75 | DARK GREY/GREEN " " " | " " | | | | | | |
| 75 | 80 | DARK GREY (WET) QUARTZ SERICITE CHLORITE SCHIST | 5% PYRITE | | | | | | |
| 80 | 85 | " " " " " " " | " " | | | | | | |
| 85 | 90 | " " " " " " " | " " | | | | | | |
| 90 | 95 | " " " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " " " | " " | | | | | | |
| 100 | 105 | MEDIUM GREEN " " " " | " " | | | | | | |
| 105 | 110 | " " (WET) " " " " | " " | | | | | | |
| 110 | 115 | " " " " " " " | " " | | | | | | |
| 115 | 120 | DARK GREY " " " " | " " | | | | | | |
| 120 | 125 | " " " QUARTZ SERICITE CHLORITE & GRAPHITE " | " " | | | | | | |
| 125 | 130 | " " /BLACK " " " " | " " | | | | | | |
| 130 | 135 | " " " " " " " | " " | | | | | | |
| 135 | 140 | DARK GREY/GREEN " /MINOR LIMONITE QS CHLORITE " | " " | | | | | | |
| 140 | 145 | " " " " " " " | " " | | | | | | |
| 145 | 150 | DARK GREY " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90 R 45
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | DARK GREY/GREEN (WET) MINOR GRANITE + QUARTZ SER/CHLOR SCHIST | 5% PYRITE | | | | | | |
| 155 | 160 | " " " " " " " " " " | " " | | | | | | |
| 160 | 165 | " " " " " " " " " " | " " | | | | | | |
| 165 | 170 | PALE GREENISH/WHITE (WET) | " " | | | | | | |
| * 170 | 175 | DARK GREY/BLACK (WET) MINOR QSC SCHIST + DIABASE DYKE | 1% PYRITE | | | | | | |
| 175 | 180 | " " " " MINOR DIABASE + QUARTZ SER/CHL SCHIST | " " | | | | | | |
| 180 | 185 | DARK GREY/GREEN " " QUARTZ SERICITE CHLORITE SCHIST | " " | | | | | | |
| 185 | 190 | " " " " " " " " | " " | | | | | | |
| 190 | 195 | " " " " " " " " | 1% PYRITE 1% MAGNETITE | | | | | | |
| 195 | 200 | " " " " " " " " | " " | | | | | | |
| 200 | 205 | " " " " " " " " | " " | | | | | | |
| 205 | 210 | MEDIUM GREEN " " " " " " | TRACE PYRITE 1% MAGNETITE | | | | | | |
| 210 | 215 | " " " " " " " " | " " | | | | | | |
| 215 | 220 | " " " " " " " " | 1% PYRITE 1% MAGNETITE | | | | | | |
| 220 | 225 | WHITE & GREEN CHLORITE QUARTZ SERICITE SCHIST | " " | | | | | | |
| 225 | 230 | WHITE & GREEN " CHLORITE QUARTZ SERICITE SCHIST | " " | | | | | | |
| 230 | 235 | MEDIUM GREEN " QUARTZ SERICITE CHLORITE SCHIST | " " | | | | | | |
| 235 | 240 | " " " " " " " | " " | | | | | | |
| 240 | 245 | MISSING | | | | | | | |
| 245 | 250 | " " " " " " " | " " | | | | | | |
| 250 | 255 | " " " " " " " | " " | | | | | | |
| 255 | 260 | " " " " " " " | " " | | | | | | |
| 260 | 265 | " " " " " " " | 1% PYRITE | | | | | | |
| 265 | 270 | " " " " " " " | " " | | | | | | |
| 270 | 275 | " " " " " " " | TRACE PYRITE | | | | | | |
| 275 | 280 | " " " " " " " | 1% " | | | | | | |
| 280 | 285 | " " " " " " " | " " | | | | | | |
| 285 | 290 | " " " " " " " | " " | | | | | | |
| 290 | 295 | " " " " " " " | " " | | | | | | |
| 295 | 300 | " " " " " " " | TRACE MAGNETITE 2% PYRITE | | | | | | |
| 300 | 305 | " " " " " " " | TRACE MAGNETITE | | | | | | |
| 305 | 310 | " " " " " " " | " " | | | | | | |
| 310 | 315 | " " " " " " " | 2% PYRITE | | | | | | |
| 315 | 320 | " " " " " " " | " " | | | | | | |
| 320 | 325 | " " " " " " " | " " | | | | | | |
| 325 | 330 | " " " " " " " | TRACE MAGNETITE | | | | | | |

* 1 SMALL GREY METALLIC BALL BEARING ? NOT MAGNETIC

# PERCUSSION DRILL LOG



90R45
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 330 | 335 | MEDIUM GREEN (WET) QUARTZ SERICITE CHLORITE SCHIST | 1% PYRITE | | | | | | |
| 335 | 340 | MEDIUM GREEN (WET) QUARTZ SERICITE CHLORITE SCHIST | 1% PYRITE TRACE MINERAL | | | | | | |
| 340 | 345 | " " " MINOR GRAPHITE + QSC " | " " | | | | | | |
| 345 | 350 | " " " " " " | TRACE PYRITE | | | | | | |
| ~~350~~ | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| FRENCH GULCH | FG IPL 6+61S | 7+60E | | NOV. 17-18, 1990 | 90 R46 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -50° | 080° | | 500 ft | |

Purpose: I.P. anomally

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | ORANGE/BROWN (LIMONITE) QUARTZ CHLORITE SCHIST | TRACE PYRITE TRACE MAGNET | | | | | | |
| 5 | 10 | " " " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " " " | CA | | | | | | |
| 20 | 25 | " " " " " " | TRACE PYRITE TRACE MAGNET | | | | | | |
| 25 | 30 | " " " " " " | " " | | | | | | |
| 30 | 35 | " " " " " " | " " | | | | | | |
| 35 | 40 | " " " " " " | " " | | | | | | |
| 40 | 45 | " " " (LIMONITE) " " " | " " | | | | | | |
| 45 | 50 | " " " " " " | " " | | | | | | |
| 50 | 55 | PALE GREY/GREEN " " " " " | " " | | | | | | |
| 55 | 60 | " " " " " " | " " | | | | | | |
| 60 | 65 | " " " " " " | " " | | | | | | |
| 65 | 70 | " " " " " " | " " | | | | | | |
| 70 | 75 | " " " QUARTZ GRAPHITIC CHLORITE " | CA | | | | | | |
| 75 | 80 | " " " " " " | 1% MAGNETITE | | | | | | |
| 80 | 85 | " " " " " " | TRACE PYRITE | | | | | | |
| 85 | 90 | " " " " " " | 1% LIMONITE 1% PYRITE | | | | | | |
| 90 | 95 | " " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " " | " " | | | | | | |
| 100 | 105 | " " " " " " | " " | | | | | | |
| 105 | 110 | " " " " " " | 2% PYRITE | | | | | | |
| 110 | 115 | " " " QUARTZ CHLORITE SCHIST | 2% PYRITE | | | | | | |
| 115 | 120 | " " " " " " | 1% MAGNET | | | | | | |
| 120 | 125 | " " " " " " | " " | | | | | | |
| 125 | 130 | " " " " " " | " " | | | | | | |
| 130 | 135 | " " " " " " | " " | | | | | | |
| 135 | 140 | " " " " " " | " " | | | | | | |
| 140 | 145 | MEDIUM " " " " " | " " | | | | | | |
| 145 | 150 | PALE " " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90 R46
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | PALE GREY/GREEN QUARTZ SERICITE SCHIST | 1% PYRITE TRACE MAGNETITE | | | | | | |
| 155 | 160 | " " " QUARTZ CHLORITE SERICITE SCHIST | 2% " " | | | | | | |
| 160 | 165 | " " " " " " " | TRACE PYRITE MAGNETITE | | | | | | |
| 165 | 170 | " " " " " " " | 1% " " | | | | | | |
| 170 | 175 | " " GRAPHITIC " " " | " " | | | | | | |
| 175 | 180 | " " " " " " " | " " | | | | | | |
| 180 | 185 | DARK GREY/BLACK QUARTZ CHLORITE GRAPHITE SCHIST | 1% PYRITE | | | | | | |
| 185 | 190 | " " " " " " | " " | | | | | | |
| 190 | 195 | PALE GREY/GREEN (WET) QUARTZ CHLORITE SCHIST | " " | | | | | | |
| 195 | 200 | DARK GREY QUARTZ CHLORITE GRAPHITIC SCHIST | " " | | | | | | |
| 200 | 205 | BLACK (WET) CHLORITIC QUARTZ GRAPHITE SCHIST | TRACE MAGNETITE | | | | | | |
| 205 | 210 | " " " QUARTZ GRAPHITE SCHIST | " " | | | | | | |
| 210 | 215 | " " " " " | " " | | | | | | |
| 215 | 220 | " " " " " | 2% PYRITE | | | | | | |
| 220 | 225 | " " " " " | " " | | | | | | |
| 225 | 230 | PALE GREY/GREEN (WET) MUSCOVITE QUARTZ CHLORITE SCHIST | 1% PYRITE | | | | | | |
| 230 | 235 | " " " " QUARTZ CHLORITE SERICITE SCHIST | TRACE " | | | | | | |
| 235 | 240 | " " " " " " " | 1% " | | | | | | |
| 240 | 245 | BLACK (WET) QUARTZ CHLORITE GRAPHITIC SCHIST | 1% " | | | | | | |
| 245 | 250 | " " QUARTZ-GRAPHITIC CHLORITE SCHIST | TRACE " | | | | | | |
| 250 | 255 | PALE GREY/GREEN (WET) QUARTZ CHLORITE SERICITE SCHIST | " " | | | | | | |
| 255 | 260 | " " " " " " " | " " | | | | | | |
| 260 | 265 | " " " MINOR GRAPHITE " " " | " " | | | | | | |
| 265 | 270 | BLACK (WET) MUSCOVITE CHLORITE QUARTZ GRAPHITE " | " " | | | | | | |
| 270 | 275 | " " " " " " " | " " | | | | | | |
| 275 | 280 | DARK GREEN (DAMP) QUARTZ CHLORITE SCHIST | TRACE MAGNETITE | | | | | | |
| 280 | 285 | " " " MINOR GRAPHITE " " | " " | | | | | | |
| 285 | 290 | " " " " " " | 2% PYRITE | | | | | | |
| 290 | 295 | " " (WET) " " " | 1% " | | | | | | |
| 295 | 300 | " " (DAMP) " " " | " " | | | | | | |
| 300 | 305 | BLACK (DAMP) QUARTZ CHLORITE GRAPHITE " | " " | | | | | | |
| 305 | 310 | PALE GREEN/WHITE (DAMP) QUARTZ GRAPHITE CHLORITE " | 1% PYRITE TRACE MAGNETITE | | | | | | |
| 310 | 315 | " " " " " " " | " " | | | | | | |
| 315 | 320 | DARK GREEN (DAMP) " " " " | " " | | | | | | |
| 320 | 325 | " " (WET) " " " | " " | | | | | | |
| 325 | 330 | " " " " " " | " " | | | | | | |

# PERCUSSION DRILL LOG



90 R 46
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 330 | 335 | DARK GREEN (DAMP) QUARTZ GRAPHITE CHLORITE SCHIST | 1% PYRITE 1% MAGNET | | | | | | |
| * 335 | 340 | " " " " " " " | " " | | | | | | |
| * 340 | 345 | " " " BAND QUARTZ VEINLETS " " " " | " " | | | | | | |
| 345 | 350 | " " " " " " " | " " | | | | | | |
| 350 | 355 | " " " " " " " | 2% PYRITE | | | | | | |
| 355 | 360 | " " " " " " " | " " | | | | | | |
| 360 | 365 | " " " " " " " | " " | | | | | | |
| 365 | 370 | " " " " " " " | " " | | | | | | |
| 370 | 375 | " " " " " " " | " " | | | | | | |
| 375 | 380 | " " " " " " " | 3% " | | | | | | |
| 380 | 385 | " " " QUARTZ CHLORITE GRAPHITE " | 2% " | | | | | | |
| 385 | 390 | " " " QUARTZ GRAPHITE CHLORITE " | " " | | | | | | |
| 390 | 395 | " " " " " " " | " " | | | | | | |
| 395 | 400 | GREEN/BLACK " " " " " " | - " | | | | | | |
| 400 | 405 | BLACK " " " " " " | " " | | | | | | |
| 405 | 410 | " " QUARTZ GRAPHITE SCHIST | 2% PYRITE | | | | | | |
| 410 | 415 | " " " " " | " " | | | | | | |
| 415 | 420 | " (WET) " " " | 2% PYRITE 1% MAGNET | | | | | | |
| 420 | 425 | " (DAMP) " " " | " " | | | | | | |
| 425 | 430 | " " " " " | " " | | | | | | |
| 430 | 435 | GREEN/BLACK (DAMP) QUARTZ GRAPHITE SERICITE SCHIST | " " | | | | | | |
| 435 | 440 | " " " QUARTZ GRAPHITE SCHIST | " " | | | | | | |
| 440 | 445 | " " " QUARTZ GRAPHITE SERICITE SCHIST | 2% PYRITE | | | | | | |
| 445 | 450 | " " " " " " | 2% PYRITE 1% MAGNET | | | | | | |
| 450 | 455 | BLACK (DAMP) MINOR CHLORITE QUARTZ GRAPHITE " | " " | | | | | | |
| 455 | 460 | " " " " " " " | " " | | | | | | |
| 460 | 465 | " " " " " " " | " " | | | | | | |
| 465 | 470 | " " " " " " " | 3% PYRITE TRACE MAGNET | | | | | | |
| 470 | 475 | " " " " " " " | " " | | | | | | |
| 475 | 480 | " " " " " " " | " " | | | | | | |
| 480 | 485 | " " " " " " " | " " | | | | | | |
| 485 | 490 | " " " " " " " | 1% PYRITE | | | | | | |
| 490 | 495 | " " " QUARTZ GRAPHITE CHLORITE " | " " | | | | | | |
| 495 | 500 | " " " " " " " | TRACE " | | | | | | |
| | | END OF HOLE | | | | | | | |

NOTE: MOST MAGNETIC MATERIAL IN THIS HOLE IS REDDISH-BROWN PYRRHOTITE

* ONE PIECE ASSAY PYRITE

# PERCUSSION DRILL LOG



| FRENCH GULCH | FG IPL 3+80E | 3+15S | | NOV. 18, 1990 | 90 R47 |
|---|---|---|---|---|---|
| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
| -50° | 220° | | 250' ft | | |
| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth | |

I.P. anomally
Purpose

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | ORANGE/BROWN (OXIDIZED) QUARTZ MUSCOVITE CHLORITE | SCHIST | | | | | | |
| 5 | 10 | " " " QUARTZ GRAPHITE CHLORITE SCHIST | TRACE PYRITE | | | | | | |
| 10 | 15 | " " " " " " " | Ø | | | | | | |
| 15 | 20 | " " " " " " " | Ø | | | | | | |
| 20 | 25 | " " " " " " " | Ø | | | | | | |
| 25 | 30 | " " " " " " " | Ø | | | | | | |
| 30 | 35 | " " " " " " " | Ø | | | | | | |
| 35 | 40 | " " " " " " " | Ø | | | | | | |
| 40 | 45 | PALE BROWN " " " " " | Ø | | | | | | |
| 45 | 50 | " " " " " " " | TRACE PYRITE | | | | | | |
| 50 | 55 | WHITISH/BUFF QUARTZ MUSCOVITE CHLORITE SCHIST | Ø | | | | | | |
| 55 | 60 | ORANGE BROWN " " " " " | TRACE PYRITE | | | | | | |
| 60 | 65 | PALE BROWN " QUARTZ MUSCO/CHL/GRAPHITE SCHIST | Ø | | | | | | |
| 65 | 70 | BROWN/BLACK " QUARTZ GRAPHITE SCHIST | Ø | | | | | | |
| 70 | 75 | " " " " " " | TRACE PYRITE | | | | | | |
| 75 | 80 | " " (WET) " " " | " " | | | | | | |
| 80 | 85 | WHITE/GREY/GREEN MARBLE GRAPHITE - QUARTZ MUSCO/CHLOR " | Ø | | | | | | |
| 85 | 90 | " " " QUARTZ MUSCOVITE CHLORITE SCHIST | Ø | | | | | | |
| 90 | 95 | " " " " " " " | TRACE PYRITE | | | | | | |
| 95 | 100 | " " " " " " " | " " | | | | | | |
| 100 | 105 | " " " " " " " | Ø | | | | | | |
| 105 | 110 | PALE BROWN " " " " | Ø | | | | | | |
| 110 | 115 | ORANGE/BROWN (OXIDIZED) QMC + GRAPHITE SCHIST | TRACE PYRITE | | | | | | |
| 115 | 120 | BROWN/BLACK ( " ) " " " " | " " | | | | | | |
| 120 | 125 | PALE BROWN " " " " " | " " | | | | | | |
| 125 | 130 | " " QUARTZ MUSCOVITE CHLORITE SCHIST | " " | | | | | | |
| 130 | 135 | WHITE/GREY/GREEN " " " " | " " | | | | | | |
| 135 | 140 | " " " " " " | TRACE PYRITE TRACE MAGNET | | | | | | |
| 140 | 145 | ORANGE/BROWN (OXIDIZED) " " " | " " | | | | | | |
| 145 | 150 | WHITE/GREY/GREEN QUARTZ " " " | 2% MAGNA | | | | | | |

# PERCUSSION DRILL LOG



90 R 47
Hole Number

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 155 | WHITE/GREY/GREEN QUARTZ MUSCOVITE CHLORITE SCHIST | TRACE PYRITE | | | | | | |
| 155 | 160 | " " " " " " " | 1% MAGNES<br>1% PYRITE<br>1% MAGNET | | | | | | |
| 160 | 165 | " " " " " " " | " " | | | | | | |
| 165 | 170 | " " " " " " " | " " | | | | | | |
| 170 | 175 | " " " " " " " | 2% PYRITE | | | | | | |
| 175 | 180 | " " " " " " " | " " | | | | | | |
| 180 | 185 | " " " " " " " | " " | | | | | | |
| 185 | 190 | " " " " " " " | " " | | | | | | |
| 190 | 195 | " " " " " " " | " " | | | | | | |
| 195 | 200 | " " " " " " " | 1% MAGNET | | | | | | |
| 200 | 205 | " " " " " " " | " " | | | | | | |
| 205 | 210 | " " " " " " " | 3% PYRITE | | | | | | |
| 210 | 215 | " " " " " " " | " " | | | | | | |
| 215 | 220 | " " " " " " " | " " | | | | | | |
| 220 | 225 | " " " " " " " | " " | | | | | | |
| 225 | 230 | " " " " " " " | " " | | | | | | |
| 230 | 235 | " " " " " " " | " " | | | | | | |
| 235 | 240 | " " " " " " " | " " | | | | | | |
| 240 | 245 | " " " " " " " | 2% PYRITE<br>1% MAGNET | | | | | | |
| 245 | 250 | " " " " " " " | 3% PYRITE | | | | | | |
| | | END OF HOLE | | | | | | | |
| | | * NOTE: MAGNETIC MINERAL OBSERVED THROUGHOUT THIS HOLE IS MAINLY REDDISH-BRONZE COLOURED PYRRHOTITE(?). | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| ELDORADO CK | ORO GRANDE IPL | 494705 0+00W | | NOV. 18, 1990 | 90 R48 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | - | | 100' ft | |

Purpose: I.P. anomaley

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK GREENISH/BROWN (GRAVEL) QUARTZ CHLORITE SCHIST | TRACE PYRITE | | | | | | |
| 5 | 10 | " " " " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " | " " | | | | | | |
| 20 | 25 | PALE GREENISH/WHITE " " " " | " " | | | | | | |
| 25 | 30 | ~~ALTERED~~ " " " " " | " " | | | | | | |
| 30 | 35 | PALE GREENISH/WHITE QUARTZ CHLORITE MUSCOVITE " | " " | | | | | | |
| 35 | 40 | PALE BROWNISH/WHITE (OXIDIZED) " " " " | " " | | | | | | |
| 40 | 45 | " " " " " " " " | " " | | | | | | |
| 45 | 50 | PALE BROWN (WET) " " " " | " " | | | | | | |
| 50 | 55 | " " " " " " " | 1% PYRITE | | | | | | |
| 55 | 60 | PALE GREENISH/GREY " " " " | " " | | | | | | |
| 60 | 65 | " " " (WET) " " " " | " " | | | | | | |
| 65 | 70 | " " " " " " " " | " " | | | | | | |
| 70 | 75 | MEDIUM GREEN (DAMP) QUARTZ MUSCOVITE CHLORITE " | " " | | | | | | |
| 75 | 80 | " " (WET) " " " " | " " | | | | | | |
| 80 | 85 | " " " " " " " | " " | | | | | | |
| 85 | 90 | " " " " " " " | 2% " | | | | | | |
| 90 | 95 | " " " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " " " | " " | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
|---|---|---|---|---|---|
| ELDORADO CK | ORO GRANDE IPL | 49+70S 0+30W | | NOV. 19, 1990 | 90R49 |

| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth |
|---|---|---|---|---|
| -90° | | | 100' ft | |

Purpose: I.P. anomally

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OXIDIZED) QUARTZ CHLOR/MUSCOV/SCHIST | TRACE PYRITE | | | | | | |
| 5 | 10 | GRAVEL " " " " " " " | " " | | | | | | |
| 10 | 15 | " " " " " " " | " " | | | | | | |
| 15 | 20 | " " " " " " " | " " | | | | | | |
| 20 | 25 | DARK GREY/GREEN (WET) " " " " | " " | | | | | | |
| 25 | 30 | PALE GREY/GREEN " " " " | TRACE PYRITE | | | | | | |
| 30 | 35 | " " " MINOR GRAPHITE " " " | " " | | | | | | |
| 35 | 40 | BLACK QUARTZ GRAPHITE SCHIST | 2% PYRITE | | | | | | |
| 40 | 45 | " (DAMP) " " " | " " | | | | | | |
| 45 | 50 | " " " " " | " " | | | | | | |
| 50 | 55 | DARK GREY/BLACK " " " | " " | | | | | | |
| 55 | 60 | BLACK " " " | " " | | | | | | |
| 60 | 65 | " (WET) MINOR GRAPHITE QUARTZ CHLOR/MUSCOV/SCHIST | 1% " | | | | | | |
| 65 | 70 | " " " " " " " " | " " | | | | | | |
| 70 | 75 | " " " " " " " " | " " | | | | | | |
| 75 | 80 | " " " " " " " " | " " | | | | | | |
| 80 | 85 | DARK GREY/GREEN (WET) MINOR GRAPHITE " " " " | " " | | | | | | |
| 85 | 90 | " " " " " " " " | " " | | | | | | |
| 90 | 95 | " " " " " " " " | " " | | | | | | |
| 95 | 100 | " " " " " " " " | " " | | | | | | |
| | | END OF HOLE | | | | | | | |

# PERCUSSION DRILL LOG



| | | | | | |
|---|---|---|---|---|---|
| ELDORADO CK | ORO GRANDE IPL | 49+70S 0+60W | | NOV 19, 1990 | 90R50 |
| Location | Northing | Easting | Elevation | Date Drilled | Hole Number |
| -90° | | | 115 ft | | |
| Dip | Bearing | Casing Depth | Hole Depth | Overburden Depth | |

Purpose: I.P. anomally

| Footage From | Footage To | Description | Sample Number | Assays Au ppb | Ag | As | Cu | Pb | Zn |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 5 | DARK BROWN (OXIDIZED) QUARTZ MUSCOVITE/CHLORITE SCHIST | TRACE PYRITE | | | | | | |
| 5 | 10 | " " " " " " " " | 2% " | | | | | | |
| 10 | 15 | PALE GREENISH/GREY QUARTZ MUSCOVITE SCHIST | " " | | | | | | |
| 15 | 20 | " " " (WET) " " " | " " | | | | | | |
| 20 | 25 | " " " QUARTZ CHLORITE MUSCOVITE SCHIST | 1% " | | | | | | |
| 25 | 30 | PALE GREENISH/WHITE " " " " | " " | | | | | | |
| 30 | 35 | " " " " " " | " " | | | | | | |
| 35 | 40 | PALE GREENISH/BROWN (WET) " " " " | " " | | | | | | |
| 40 | 45 | " " " " " " " | " " | | | | | | |
| 45 | 50 | " " " " " " " | " " | | | | | | |
| 50 | 55 | " " " (WET) " " " | " " | | | | | | |
| 55 | 60 | " " " " " " " | " " | | | | | | |
| 60 | 65 | PALE GREENISH/GREY (WET) " " " " | " " | | | | | | |
| 65 | 70 | " " " " " " " | " " | | | | | | |
| 70 | 75 | " " " " " " " | " " | | | | | | |
| 75 | 80 | " " " " " " " | " " | | | | | | |
| 80 | 85 | PALE GREY (WET) MINOR GRAPHITE " " " | " " | | | | | | |
| 85 | 90 | BLACK (WET) QUARTZ GRAPHITE SCHIST | 2% PYRITE | | | | | | |
| 90 | 95 | " " MINOR " " " | " " | | | | | | |
| 95 | 100 | " " QMC SCHIST " " " | " " | | | | | | |
| 100 | 105 | DARK GREY " MINOR GRAPHITE QUARTZ CHLORITE MUSCOVITE SCHIST | " " | | | | | | |
| 105 | 110 | PALE GREENISH/GREY (WET) " " " " | 1% " | | | | | | |
| 110 | 115 | " " " " " " " | " " | | | | | | |
| | | END OF HOLE | | | | | | | |

# APPENDIX V

## ROTARY DRILL SAMPLES CERTIFICATES OF ANALYSES

Northern Analytical Laboratories ltd.

November 5,1990

**Work Order #** 08495

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

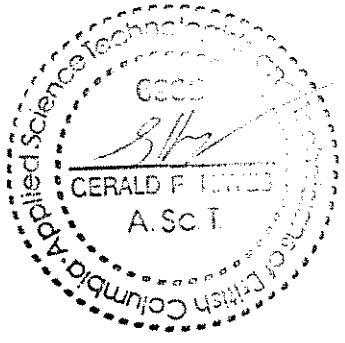
**File #** 08495a

**Sample:** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R1-0-5 | 0.007 |
| 90-R1-5-10 | 0.003 |
| 90-R1-10-15 | <0.002 |
| 90-R1-15-20 | <0.002 |
| 90-R1-20-25 | <0.002 |
| 90-R1-25-30 | <0.002 |
| 90-R1-30-35 | <0.002 |
| 90-R1-35-40 | <0.002 |
| 90-R1-40-45 | <0.002 |
| 90-R1-45-50 | <0.002 |
| 90-R1-50-55 | <0.002 |
| 90-R1-55-60 | <0.002 |
| 90-R1-60-65 | <0.002 |
| 90-R1-65-70 | <0.002 |
| 90-R1-70-75 | <0.002 |
| 90-R1-75-80 | <0.002 |
| 90-R1-80-85 | <0.002 |
| 90-R1-85-90 | <0.002 |
| 90-R1-90-95 | <0.002 |
| 90-R1-95-100 | <0.002 |

Au -- 1AT Fire Assay/Grav.

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Northern Analytical Laboratories ltd.

November 5,1990

**Work Order #** 08495

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.

**File #** 08495b

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R2-0-5 | <0.002 |
| 90-R2-5-10 | <0.002 |
| 90-R2-10-15 | <0.002 |
| 90-R2-15-20 | <0.002 |
| 90-R2-20-25 | 0.012 |
| 90-R2-25-30 | <0.002 |
| 90-R2-30-35 | 0.024 |
| 90-R2-35-40 | 0.015 |
| 90-R2-40-45 | <0.002 |
| 90-R2-45-50 | <0.002 |
| 90-R2-50-55 | 0.003 |
| 90-R2-55-60 | <0.002 |
| 90-R2-60-65 | <0.002 |
| 90-R2-65-70 | <0.002 |
| 90-R2-70-75 | <0.002 |
| 90-R2-75-80 | <0.002 |
| 90-R2-80-85 | 0.006 |
| 90-R2-85-90 | <0.002 |
| 90-R2-90-95 | <0.002 |
| 90-R2-95-100 | <0.002 |

Au -- 1AT Fire Assay/Grav.

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Northern Analytical Laboratories ltd.

November 5,1990

**Work Order #** 08495

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.

**File #** 08495c

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R3-0-5 | 0.004 |
| 90-R3-5-10 | <0.002 |
| 90-R3-10-15 | 0.003 |
| 90-R3-15-20 | <0.002 |
| 90-R3-20-25 | <0.002 |
| 90-R3-25-30 | <0.002 |
| 90-R3-30-35 | <0.002 |
| 90-R3-35-40 | <0.002 |
| 90-R3-40-45 | <0.002 |
| 90-R3-45-50 | <0.002 |
| 90-R3-55-60 | <0.002 |
| 90-R3-60-65 | <0.002 |
| 90-R3-65-70 | <0.002 |
| 90-R3-70-75 | <0.002 |
| 90-R3-75-80 | <0.002 |
| 90-R3-80-85 | <0.002 |
| 90-R3-85-90 | 0.004 |
| 90-R3-90-95 | <0.002 |
| 90-R3-95-100 | <0.002 |

Au -- 1AT Fire Assay/Grav.

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November 5,1990

**Work Order #** 08495

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.

**File #** 08495d

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R4-0-5 | <0.002 |
| 90-R4-5-10 | <0.002 |
| 90-R4-10-15 | <0.002 |
| 90-R4-15-20 | <0.002 |
| 90-R4-20-25 | 0.006 |
| 90-R4-25-30 | <0.002 |
| 90-R4-30-35 | <0.002 |
| 90-R4-35-40 | 0.002 |
| 90-R4-40-45 | <0.002 |
| 90-R4-45-50 | <0.002 |
| 90-R4-50-55 | <0.002 |
| 90-R4-55-60 | <0.002 |
| 90-R4-60-65 | <0.002 |
| 90-R4-65-70 | <0.002 |
| 90-R4-70-75 | <0.002 |
| 90-R4-75-80 | <0.002 |

Au -- 1AT Fire Assay/Grav.

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Northern Analytical Laboratories ltd.

November 6,1990

**Work Order #** 13006

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13006a

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R5-0-5 | 0.004 |
| 90-R5-5-10 | <0.002 |
| 90-R5-10-15 | <0.002 |
| 90-R5-15-20 | <0.002 |
| 90-R5-20-25 | 0.007 |
| 90-R5-25-30 | <0.002 |
| 90-R5-30-35 | <0.002 |
| 90-R5-35-40 | <0.002 |
| 90-R5-40-45 | <0.002 |
| 90-R5-45-50 | <0.002 |
| 90-R5-50-55 | <0.002 |
| 90-R5-55-60 | <0.002 |
| 90-R5-60-65 | <0.002 |
| 90-R5-65-70 | <0.002 |
| 90-R5-70-75 | <0.002 |
| 90-R5-75-80 | <0.002 |
| 90-R5-85-90 | <0.002 |
| 90-R5-90-95 | <0.002 |
| 90-R5-95-100 | <0.002 |
| 90-R5-100-105 | <0.002 |
| 90-R5-105-110 | <0.002 |
| 90-R5-110-115 | <0.002 |
| 90-R5-115-120 | <0.002 |
| 90-R5-120-125 | <0.002 |

Au -- 1AT Fire Assay/Grav.

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November 6,1990

**Work Order #** 13006

Arbor Resources
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Vancouver, B.C.
V6E 2K3

**File #** 13006b

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R6-0-5 | <0.002 |
| 90-R6-5-10 | <0.002 |
| 90-R6-10-15 | <0.002 |
| 90-R6-15-20 | <0.002 |
| 90-R6-20-25 | <0.002 |
| 90-R6-25-30 | <0.002 |
| 90-R6-30-35 | <0.002 |
| 90-R6-35-40 | <0.002 |
| 90-R6-40-45 | <0.002 |
| 90-R6-45-50 | 0.002 |
| 90-R6-50-55 | <0.002 |
| 90-R6-55-60 | <0.002 |
| 90-R6-60-65 | <0.002 |
| 90-R6-65-70 | <0.002 |
| 90-R6-70-75 | <0.002 |
| 90-R6-75-80 | <0.002 |
| 90-R6-80-85 | 0.005 |
| 90-R6-85-90 | 0.006 |
| 90-R6-90-95 | 0.005 |
| 90-R6-95-100 | <0.002 |
| 90-R6-100-105 | <0.002 |
| 90-R6-105-110 | <0.002 |
| 90-R6-110-115 | 0.009 |
| 90-R6-115-120 | 0.007 |
| 90-R6-120-125 | <0.002 |
| 90-R6-125-130 | <0.002 |
| 90-R6-130-135 | <0.002 |
| 90-R6-135-140 | <0.002 |
| 90-R6-140-145 | <0.002 |
| 90-R6-145-150 | <0.002 |

Au -- 1AT Fire Assay/Grav.

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November 6,1990

**Work Order #** 13006

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13006c

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R7-0-5 | <0.002 |
| 90-R7-5-10 | <0.002 |
| 90-R7-10-15 | <0.002 |
| 90-R7-15-20 | <0.002 |
| 90-R7-20-25 | <0.002 |
| 90-R7-25-30 | <0.002 |
| 90-R7-30-35 | <0.002 |
| 90-R7-35-40 | 0.011 |
| 90-R7-40-45 | 0.003 |
| 90-R7-45-50 | 0.003 |
| 90-R7-50-55 | <0.002 |
| 90-R7-55-60 | <0.002 |
| 90-R7-60-65 | <0.002 |
| 90-R7-65-70 | 0.003 |
| 90-R7-70-75 | 0.062 |
| 90-R7-75-80 | 0.005 |
| 90-R7-80-85 | <0.002 |
| 90-R7-85-90 | 0.003 |
| 90-R7-90-95 | <0.002 |
| 90-R7-95-100 | <0.002 |
| 90-R7-100-105 | <0.002 |
| 90-R7-105-110 | <0.002 |
| 90-R7-110-115 | <0.002 |
| 90-R7-115-120 | <0.002 |
| 90-R7-120-125 | <0.002 |
| 90-R7-125-130 | <0.002 |

Au -- 1AT Fire Assay/Grav.

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November 15,1990

**Work Order #** 13009

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13009b

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R5-80-85 | <0.002 |
| 90-R7-130-135 | <0.002 |
| 90-R7-135-140 | 0.002 |
| 90-R7-140-145 | <0.002 |
| 90-R7-145-150 | <0.002 |
| 90-R7-150-155 | <0.002 |
| 90-R7-155-160 | 0.027 |
| 90-R7-160-165 | <0.002 |
| 90-R7-165-170 | <0.002 |
| 90-R7-170-175 | <0.002 |
| 90-R7-175-180 | <0.002 |
| 90-R7-180-185 | <0.002 |
| 90-R7-185-190 | <0.002 |
| 90-R7-190-195 | <0.002 |
| 90-R7-195-200 | <0.002 |

Au -- 1AT Fire Assay/Grav

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Northern Analytical Laboratories ltd.

November 15,1990

**Work Order #** 13012

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13012a

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R8-0-5 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R8-5-10 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R8-10-15 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R8-15-20 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R8-20-25 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R8-25-30 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R8-30-35 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R8-35-40 | 0.007 | <0.002 | 0.007 | 0.008 |
| 90-R8-40-45 | 0.055 | 0.009 | 0.036 | 0.044 |
| 90-R8-45-50 | 0.008 | <0.002 | <0.002 | 0.002 |
| 90-R8-50-55 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R8-55-60 | <0.002 | <0.002 | 0.017 | 0.016 |
| 90-R8-60-65 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R8-65-70 | 0.025 | 0.003 | <0.002 | 0.003 |
| 90-R8-70-75 | 0.060 | 0.010 | 0.024 | 0.032 |
| 90-R8-75-80 | 0.186 | 0.032 | 0.014 | 0.045 |
| 90-R8-80-85 | 0.672 | 0.091 | 0.206 | 0.283 |
| 90-R8-85-90 | 0.014 | 0.003 | 0.011 | 0.013 |
| 90-R8-90-95 | 0.057 | 0.006 | 0.030 | 0.035 |
| 90-R8-95-100 | <0.002 | <0.002 | 0.009 | 0.009 |
| 90-R8-100-105 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R8-105-110 | 0.003 | <0.002 | 0.014 | 0.014 |
| 90-R8-110-115 | <0.002 | <0.002 | 0.007 | 0.007 |
| 90-R8-115-120 | 0.044 | 0.010 | 0.086 | 0.090 |
| 90-R8-120-125 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R8-125-130 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R8-130-135 | 0.156 | 0.015 | 0.028 | 0.041 |
| 90-R8-135-140 | 0.687 | 0.131 | 0.125 | 0.250 |
| 90-R8-140-145 | 0.004 | <0.002 | 0.002 | 0.003 |
| 90-R8-145-150 | 0.347 | 0.061 | 0.292 | 0.336 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

November 13,1990

**Work Order #** 13009

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13009b

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R9-0-5 | 0.003 | <0.002 | 0.008 | 0.008 |
| 90-R9-5-10 | <0.002 | <0.002 | 0.006 | 0.005 |
| 90-R9-10-15 | 0.004 | <0.002 | 0.002 | 0.002 |
| 90-R9-15-20 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R9-20-25 | 0.006 | <0.002 | 0.033 | 0.032 |
| 90-R9-25-30 | <0.002 | <0.002 | 0.007 | 0.006 |
| 90-R9-30-35 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R9-35-40 | 0.073 | 0.007 | 0.015 | 0.022 |
| 90-R9-40-45 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R9-45-50 | <0.002 | <0.002 | 0.007 | 0.007 |
| 90-R9-50-55 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R9-55-60 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R9-60-65 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R9-65-70 | 0.031 | 0.005 | 0.016 | 0.020 |
| 90-R9-70-75 | <0.002 | <0.002 | 0.002 | 0.002 |
| 90-R9-75-80 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R9-80-85 | 0.002 | <0.002 | 0.014 | 0.014 |
| 90-R9-85-90 | 0.003 | <0.002 | 0.007 | 0.007 |
| 90-R9-90-95 | <0.002 | <0.002 | 0.010 | 0.009 |
| 90-R9-95-100 | 3.816 | 0.616 | 0.236 | 0.837 |
| 90-R9-100-105 | 0.002 | <0.002 | 0.012 | 0.011 |
| 90-R9-105-110 | <0.002 | <0.002 | 0.010 | 0.009 |
| 90-R9-110-115 | 0.019 | 0.003 | 0.017 | 0.019 |
| 90-R9-115-120 | 0.049 | 0.004 | 0.033 | 0.039 |
| 90-R9-120-125 | 0.030 | 0.005 | 0.013 | 0.018 |
| 90-R9-125-130 | 0.003 | <0.002 | 0.032 | 0.031 |
| 90-R9-130-135 | 0.191 | 0.017 | 0.065 | 0.094 |
| 90-R9-135-140 | 0.049 | 0.008 | <0.002 | 0.008 |
| 90-R9-140-145 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R9-145-150 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

November 13,1990

**Work Order #** 13009

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13009c

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R10-0-5 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-5-10 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-10-15 | 0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-15-20 | <0.002 | <0.002 | 0.021 | 0.020 |
| 90-R10-20-25 | 0.025 | 0.003 | 0.005 | 0.008 |
| 90-R10-25-30 | <0.002 | <0.002 | 0.002 | 0.002 |
| 90-R10-30-35 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-35-40 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-40-45 | <0.002 | <0.002 | 0.002 | 0.002 |
| 90-R10-45-50 | 0.005 | <0.002 | 0.008 | 0.008 |
| 90-R10-50-55 | 0.915 | 0.072 | 0.021 | 0.093 |
| 90-R10-55-60 | <0.002 | <0.002 | 0.007 | 0.007 |
| 90-R10-60-65 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R10-65-70 | 0.003 | <0.002 | <0.002 | <0.002 |
| 90-R10-70-75 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-75-80 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-80-85 | 0.094 | 0.022 | <0.002 | 0.022 |
| 90-R10-85-90 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-90-95 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-95-100 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-100-105 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R10-105-110 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-110-115 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-115-120 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-120-125 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-125-130 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-130-135 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-135-140 | 0.004 | <0.002 | <0.002 | <0.002 |
| 90-R10-140-145 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R10-145-150 | <0.002 | <0.002 | 0.002 | 0.002 |

Au -- Metallics Fire Assay

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November 14,1990

**Work Order #** 13009

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13009d

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R11-0-5 | 0.063 | 0.009 | 0.016 | 0.025 |
| 90-R11-5-10 | <0.002 | <0.002 | 0.010 | 0.010 |
| 90-R11-10-15 | 0.105 | 0.014 | 0.025 | 0.038 |
| 90-R11-15-20 | 2.538 | 0.232 | 0.060 | 0.290 |
| 90-R11-20-25 | <0.002 | <0.002 | 0.006 | 0.006 |
| 90-R11-25-30 | <0.002 | <0.002 | 0.005 | 0.005 |
| 90-R11-30-35 | 0.204 | 0.052 | 0.016 | 0.068 |
| 90-R11-35-40 | 0.029 | 0.003 | 0.016 | 0.018 |
| 90-R11-40-45 | 0.023 | 0.004 | 0.018 | 0.021 |
| 90-R11-45-50 | 0.004 | <0.002 | 0.036 | 0.035 |
| 90-R11-50-55 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-55-60 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-60-65 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-65-70 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-70-75 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-75-80 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-80-85 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-85-90 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-90-95 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-95-100 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-100-105 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-105-110 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-110-115 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-115-120 | 0.028 | 0.004 | 0.027 | 0.030 |
| 90-R11-120-125 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-125-130 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R11-130-135 | <0.002 | <0.002 | 0.012 | 0.011 |
| 90-R11-135-140 | 0.438 | 0.046 | <0.002 | 0.046 |
| 90-R11-140-145 | <0.002 | <0.002 | 0.007 | 0.007 |
| 90-R11-145-150 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

Applied Science Technologists and Technicians of British Columbia
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Northern Analytical Laboratories ltd.

November 15,1990

**Work Order #** 13012

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13012b

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R12-0-5 | <0.002 | <0.002 | 0.002 | 0.002 |
| 90-R12-5-10 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-10-15 | 0.013 | 0.003 | <0.002 | 0.003 |
| 90-R12-15-20 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-20-25 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-25-30 | <0.002 | <0.002 | 0.031 | 0.029 |
| 90-R12-30-35 | 0.014 | 0.003 | 0.011 | 0.013 |
| 90-R12-35-40 | <0.002 | <0.002 | 0.018 | 0.017 |
| 90-R12-40-45 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-45-50 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-50-55 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-55-60 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-60-65 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-65-70 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-70-75 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-75-80 | 0.003 | <0.002 | <0.002 | <0.002 |
| 90-R12-80-85 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-85-90 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-90-95 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-95-100 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-100-105 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-105-110 | <0.002 | <0.002 | 0.037 | 0.035 |
| 90-R12-110-115 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-115-120 | 0.005 | <0.002 | 0.024 | 0.023 |
| 90-R12-120-125 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-125-130 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-130-135 | 0.002 | <0.002 | 0.066 | 0.062 |
| 90-R12-135-140 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-140-145 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R12-145-150 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

November 14,1990

**Work Order #** 13009

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13009e

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R13-0-5 | 0.006 | <0.002 | 0.007 | 0.007 |
| 90-R13-5-10 | 0.003 | <0.002 | 0.004 | 0.004 |
| 90-R13-10-15 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-15-20 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-20-25 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-25-30 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-30-35 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-35-40 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-40-45 | 0.003 | <0.002 | 0.009 | 0.009 |
| 90-R13-45-50 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-50-55 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R13-55-60 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R13-60-65 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-65-70 | <0.002 | <0.002 | 0.002 | 0.002 |
| 90-R13-70-75 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-75-80 | <0.002 | <0.002 | 0.005 | 0.005 |
| 90-R13-80-85 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-85-90 | <0.002 | <0.002 | 0.002 | 0.002 |
| 90-R13-90-95 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-95-100 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-100-105 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-105-110 | 0.479 | 0.084 | 0.081 | 0.163 |
| 90-R13-110-115 | <0.002 | <0.002 | 0.010 | 0.009 |
| 90-R13-115-120 | 0.002 | <0.002 | 0.004 | 0.004 |
| 90-R13-120-125 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-125-130 | 0.694 | 0.071 | 0.004 | 0.075 |
| 90-R13-130-135 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-135-140 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R13-140-145 | 0.005 | <0.002 | <0.002 | <0.002 |
| 90-R13-145-150 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

Applied Science Technologists and Technicians of British Columbia
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Northern Analytical Laboratories ltd.

November 14,1990

**Work Order #** 13009

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13009f

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R14-0-5 | 0.031 | 0.003 | 0.025 | 0.027 |
| 90-R14-5-10 | 0.004 | <0.002 | <0.002 | <0.002 |
| 90-R14-10-15 | 0.254 | 0.048 | 0.044 | 0.090 |
| 90-R14-15-20 | 0.154 | 0.018 | 0.132 | 0.145 |
| 90-R14-20-25 | 0.044 | 0.008 | 0.054 | 0.060 |
| 90-R14-25-30 | 0.005 | <0.002 | 0.063 | 0.062 |
| 90-R14-30-35 | 0.070 | 0.008 | 0.050 | 0.055 |
| 90-R14-35-40 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R14-40-45 | <0.002 | <0.002 | 0.009 | 0.009 |
| 90-R14-45-50 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R14-50-55 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R14-55-60 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R14-60-65 | 0.071 | 0.009 | 0.015 | 0.023 |
| 90-R14-65-70 | 0.037 | 0.006 | 0.011 | 0.017 |
| 90-R14-70-75 | 0.009 | 0.002 | 0.019 | 0.020 |
| 90-R14-75-80 | 0.015 | 0.002 | 0.051 | 0.050 |
| 90-R14-80-85 | 0.573 | 0.108 | 0.070 | 0.175 |
| 90-R14-85-90 | 0.118 | 0.013 | 0.008 | 0.020 |
| 90-R14-90-95 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R14-95-100 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R14-100-105 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R14-105-110 | 0.003 | <0.002 | 0.018 | 0.017 |
| 90-R14-110-115 | <0.002 | <0.002 | 0.013 | 0.012 |
| 90-R14-115-120 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R14-120-125 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R14-125-130 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R14-130-135 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R14-135-140 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R14-140-145 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R14-145-150 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

Applied Science Technologists and Technicians of British Columbia
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Northern Analytical Laboratories ltd.

November 15,1990

**Work Order #** 13012

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13012c

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R15-0-5 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R15-5-10 | <0.002 | <0.002 | 0.005 | 0.005 |
| 90-R15-10-15 | <0.002 | <0.002 | 0.011 | 0.010 |
| 90-R15-15-20 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R15-20-25 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R15-25-30 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R15-30-35 | <0.002 | <0.002 | 0.006 | 0.006 |
| 90-R15-35-40 | 0.009 | 0.002 | 0.043 | 0.042 |
| 90-R15-40-45 | 0.036 | 0.008 | 0.125 | 0.129 |
| 90-R15-45-50 | 0.004 | <0.002 | 0.020 | 0.019 |
| 90-R15-50-55 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R15-55-60 | 0.107 | 0.013 | 0.007 | 0.019 |
| 90-R15-60-65 | 0.005 | <0.002 | 0.012 | 0.012 |
| 90-R15-65-70 | <0.002 | <0.002 | 0.002 | 0.002 |
| 90-R15-70-75 | 0.004 | <0.002 | <0.002 | <0.002 |
| 90-R15-75-80 | 0.022 | 0.003 | 0.009 | 0.011 |
| 90-R15-80-85 | 4.401 | 0.639 | 0.086 | 0.719 |
| 90-R15-85-90 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R15-90-95 | 0.023 | 0.003 | 0.004 | 0.007 |
| 90-R15-95-100 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R15-100-105 | 0.066 | 0.007 | 0.004 | 0.011 |
| 90-R15-105-110 | <0.002 | <0.002 | 0.007 | 0.007 |
| 90-R15-110-115 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R15-115-120 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R15-120-125 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R15-125-130 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R15-130-135 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R15-135-140 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R15-140-145 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R15-145-150 | 0.003 | <0.002 | 0.002 | 0.002 |

Au -- Metallics Fire Assay

Applied Science Technologists and Technicians of British Columbia
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Northern Analytical Laboratories ltd.

November 14,1990

**Work Order #** 13009

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13009g

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R16-0-5 | 0.028 | 0.003 | <0.002 | 0.003 |
| 90-R16-5-10 | 0.002 | <0.002 | 0.022 | 0.021 |
| 90-R16-10-15 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R16-15-20 | <0.002 | <0.002 | 0.008 | 0.007 |
| 90-R16-20-25 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R16-25-30 | 0.064 | 0.012 | 0.021 | 0.032 |
| 90-R16-30-35 | 0.734 | 0.142 | 0.026 | 0.167 |
| 90-R16-35-40 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R16-40-45 | 0.114 | 0.026 | 0.017 | 0.042 |
| 90-R16-45-50 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R16-50-55 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R16-55-60 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R16-60-65 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R16-65-70 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R16-70-75 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R16-75-80 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R16-80-85 | 0.006 | <0.002 | 0.014 | 0.014 |
| 90-R16-85-90 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R16-90-95 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R16-95-100 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R16-100-105 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R16-105-110 | 0.007 | <0.002 | 0.008 | 0.009 |
| 90-R16-110-115 | <0.002 | <0.002 | 0.012 | 0.011 |
| 90-R16-115-120 | <0.002 | <0.002 | 0.006 | 0.006 |
| 90-R16-120-125 | 0.013 | 0.002 | 0.011 | 0.012 |
| 90-R16-125-130 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R16-130-135 | <0.002 | <0.002 | 0.021 | 0.020 |
| 90-R16-135-140 | 0.041 | 0.005 | 0.020 | 0.024 |
| 90-R16-140-145 | 0.096 | 0.010 | 0.008 | 0.018 |
| 90-R16-145-150 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

Applied Science Technologists and Technicians of British Columbia
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Northern Analytical Laboratories ltd.

November 19,1990

**Work Order #** 13012

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13012d

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R17-0-5 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R17-5-10 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R17-10-15 | <0.002 | <0.002 | 0.002 | 0.002 |
| 90-R17-15-20 | 0.010 | <0.002 | 0.011 | 0.012 |
| 90-R17-20-25 | 0.043 | 0.005 | <0.002 | 0.005 |
| 90-R17-25-30 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R17-30-35 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R17-35-40 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R17-40-45 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R17-45-50 | 0.016 | 0.004 | 0.020 | 0.022 |
| 90-R17-50-55 | 0.198 | 0.045 | 0.018 | 0.062 |
| 90-R17-55-60 | <0.002 | <0.002 | 0.010 | 0.009 |
| 90-R17-60-65 | <0.002 | <0.002 | 0.002 | 0.002 |
| 90-R17-65-70 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R17-70-75 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R17-75-80 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R17-80-85 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R17-85-90 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R17-90-95 | <0.002 | <0.002 | 0.005 | 0.005 |
| 90-R17-95-100 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R17-100-105 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R17-105-110 | 1.189 | 0.184 | 0.077 | 0.256 |
| 90-R17-110-115 | <0.002 | <0.002 | 0.002 | 0.002 |
| 90-R17-115-120 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R17-120-125 | 0.004 | <0.002 | 0.006 | 0.007 |
| 90-R17-125-130 | 0.062 | 0.011 | 0.034 | 0.044 |
| 90-R17-130-135 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R17-135-140 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R17-140-145 | 0.117 | 0.023 | 0.007 | 0.029 |
| 90-R17-145-150 | <0.002 | <0.002 | 0.002 | 0.002 |

Au -- Metallics Fire Assay

Applied Science Technologists and Technicians of British Columbia
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Northern Analytical Laboratories ltd.

November 21,1990

**Work Order #** 13020

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13020a

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R18-0-5 | 0.003 | <0.002 | <0.002 | <0.002 |
| 90-R18-5-10 | <0.002 | <0.002 | 0.005 | 0.005 |
| 90-R18-10-15 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-15-20 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-20-25 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-25-30 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-30-35 | 0.004 | <0.002 | <0.002 | <0.002 |
| 90-R18-35-40 | 0.068 | 0.011 | 0.052 | 0.061 |
| 90-R18-40-45 | 0.002 | <0.002 | 0.015 | 0.015 |
| 90-R18-45-50 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-50-55 | <0.002 | <0.002 | 0.008 | 0.008 |
| 90-R18-55-60 | 0.130 | 0.023 | 0.041 | 0.062 |
| 90-R18-60-65 | <0.002 | <0.002 | 0.011 | 0.011 |
| 90-R18-65-70 | 0.250 | 0.046 | <0.002 | 0.046 |
| 90-R18-70-75 | <0.002 | <0.002 | 0.011 | 0.011 |
| 90-R18-75-80 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-80-85 | 0.025 | 0.003 | <0.002 | 0.003 |
| 90-R18-85-90 | <0.002 | <0.002 | 0.012 | 0.011 |
| 90-R18-90-95 | <0.002 | <0.002 | 0.015 | 0.014 |
| 90-R18-95-100 | 0.017 | 0.002 | 0.018 | 0.019 |
| 90-R18-100-105 | 0.197 | 0.031 | 0.134 | 0.158 |
| 90-R18-105-110 | 0.127 | 0.024 | 0.121 | 0.139 |
| 90-R18-110-115 | 0.006 | <0.002 | 0.019 | 0.019 |
| 90-R18-115-120 | 2.241 | 0.370 | 0.139 | 0.501 |
| 90-R18-120-125 | 0.269 | 0.052 | 0.170 | 0.217 |
| 90-R18-125-130 | <0.002 | <0.002 | 0.009 | 0.009 |
| 90-R18-130-135 | 0.061 | 0.008 | 0.018 | 0.025 |
| 90-R18-135-140 | <0.002 | <0.002 | 0.009 | 0.009 |
| 90-R18-140-145 | <0.002 | <0.002 | 0.019 | 0.019 |
| 90-R18-145-150 | 0.304 | 0.043 | 0.054 | 0.095 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

November 21,1990

**Work Order #** 13020

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13020b

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R18-150-155 | 0.251 | 0.039 | 0.042 | 0.080 |
| 90-R18-155-160 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-160-165 | 0.013 | 0.002 | 0.026 | 0.028 |
| 90-R18-165-170 | <0.002 | <0.002 | 0.019 | 0.018 |
| 90-R18-170-175 | <0.002 | <0.002 | 0.005 | 0.005 |
| 90-R18-175-180 | <0.002 | <0.002 | 0.002 | 0.002 |
| 90-R18-180-185 | 0.129 | 0.022 | 0.041 | 0.062 |
| 90-R18-185-190 | <0.002 | <0.002 | 0.009 | 0.009 |
| 90-R18-190-195 | <0.002 | <0.002 | 0.010 | 0.010 |
| 90-R18-195-200 | 0.078 | 0.011 | 0.029 | 0.039 |
| 90-R18-200-205 | 0.017 | 0.003 | 0.012 | 0.015 |
| 90-R18-205-210 | 0.020 | 0.003 | 0.009 | 0.012 |
| 90-R18-210-215 | 0.004 | <0.002 | 0.008 | 0.008 |
| 90-R18-215-220 | 0.429 | 0.057 | 0.012 | 0.068 |
| 90-R18-220-225 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-225-230 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-230-235 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-235-240 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-240-245 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-245-250 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-250-255 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-255-260 | 0.012 | 0.002 | <0.002 | 0.002 |
| 90-R18-260-265 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-265-270 | 0.003 | <0.002 | <0.002 | <0.002 |
| 90-R18-270-275 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R18-275-280 | 0.049 | 0.008 | 0.019 | 0.027 |
| 90-R18-280-285 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R18-285-290 | <0.002 | <0.002 | 0.005 | 0.005 |
| 90-R18-290-295 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-295-300 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

November 21,1990

**Work Order #** 13020

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13020c

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R18-300-305 | <0.002 | <0.002 | 0.006 | 0.006 |
| 90-R18-305-310 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-310-315 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-315-320 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-320-325 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-325-330 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R18-330-335 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-335-340 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-340-345 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-345-350 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-350-355 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-355-360 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-360-365 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R18-365-370 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-370-375 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-375-380 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-380-385 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R18-385-390 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R18-390-395 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

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November 20,1990

**Work Order #** 13012

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13012e

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R19-0-5 | <0.002 | <0.002 | 0.002 | 0.002 |
| 90-R19-5-10 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-10-15 | 0.004 | <0.002 | <0.002 | <0.002 |
| 90-R19-15-20 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-20-25 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-25-30 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-30-35 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-35-40 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-40-45 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-45-50 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-50-55 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-55-60 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R19-60-65 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-65-70 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-70-75 | 0.049 | 0.008 | 0.010 | 0.018 |
| 90-R19-75-80 | 0.005 | <0.002 | 0.021 | 0.020 |
| 90-R19-80-85 | 0.046 | 0.009 | 0.014 | 0.022 |
| 90-R19-85-90 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R19-90-95 | 0.114 | 0.016 | 0.028 | 0.044 |
| 90-R19-95-100 | 0.003 | <0.002 | 0.002 | 0.002 |
| 90-R19-100-105 | 0.017 | 0.003 | <0.002 | 0.003 |
| 90-R19-105-110 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R19-110-115 | 0.019 | 0.004 | 0.013 | 0.016 |
| 90-R19-115-120 | 0.002 | <0.002 | 0.005 | 0.005 |
| 90-R19-120-125 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-125-130 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-130-135 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-135-140 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-140-145 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R19-145-150 | 0.023 | 0.003 | 0.005 | 0.008 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

November 23,1990

**Work Order #** 13020

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

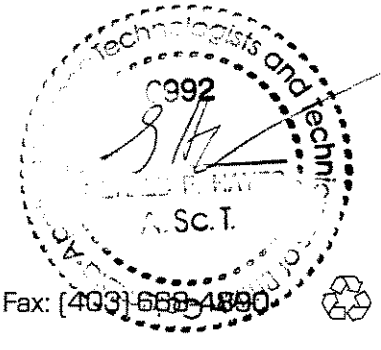
**File #** 13020d

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R20-0-5 | <0.002 | <0.002 | 0.009 | 0.008 |
| 90-R20-5-10 | 0.002 | <0.002 | 0.013 | 0.013 |
| 90-R20-10-15 | 0.003 | <0.002 | 0.007 | 0.007 |
| 90-R20-15-20 | <0.002 | <0.002 | 0.006 | 0.006 |
| 90-R20-20-25 | 0.023 | 0.004 | 0.023 | 0.026 |
| 90-R20-25-30 | 0.039 | 0.008 | 0.046 | 0.053 |
| 90-R20-30-35 | <0.002 | <0.002 | 0.011 | 0.011 |
| 90-R20-35-40 | <0.002 | <0.002 | 0.008 | 0.007 |
| 90-R20-40-45 | 0.031 | 0.005 | 0.022 | 0.025 |
| 90-R20-45-50 | 0.016 | 0.002 | 0.011 | 0.013 |
| 90-R20-50-55 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-55-60 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-60-65 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-65-70 | 0.016 | 0.002 | <0.002 | 0.002 |
| 90-R20-70-75 | 0.007 | <0.002 | <0.002 | <0.002 |
| 90-R20-75-80 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-80-85 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-85-90 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-90-95 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-95-100 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-100-105 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-105-110 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R20-110-115 | | | | |
| 90-R20-115-120 | | | | |
| 90-R20-120-125 | | | | |
| 90-R20-125-130 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R20-130-135 | 0.011 | 0.002 | 0.008 | 0.010 |
| 90-R20-135-140 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-140-145 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-145-150 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

November 21,1990

**Work Order #** 13020

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13020e

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R20-150-155 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-155-160 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-160-165 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-165-170 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-170-175 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-175-180 | 0.026 | 0.004 | 0.005 | 0.009 |
| 90-R20-180-185 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-185-190 | 0.009 | <0.002 | <0.002 | <0.002 |
| 90-R20-190-195 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R20-195-200 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

November 29,1990

**Work Order #** 13023

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13023a

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | mg +100 Au | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R21-0-5 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-5-10 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-10-15 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-15-20 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-20-25 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-25-30 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-30-35 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-35-40 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-40-45 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-45-50 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-50-55 | 0.145 | 0.021 | 0.012 | 0.032 |
| 90-R21-55-60 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-60-65 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-65-70 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-70-75 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-75-80 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-80-85 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-85-90 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-90-95 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-95-100 | 0.015 | 0.003 | 0.016 | 0.019 |
| 90-R21-100-105 | 0.045 | 0.005 | 0.012 | 0.017 |
| 90-R21-105-110 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-110-115 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R21-115-120 | <0.002 | <0.002 | 0.005 | 0.005 |
| 90-R21-120-125 | <0.002 | <0.002 | 0.010 | 0.010 |
| 90-R21-125-130 | 0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-130-135 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-135-140 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-140-145 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R21-145-150 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

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November 29,1990

**Work Order #** 13023

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13023b

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | mg +100 Au | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R22-0-5 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R22-5-10 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R22-10-15 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R22-15-20 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R22-20-25 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R22-25-30 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R22-30-35 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R22-35-40 | <0.002 | <0.002 | 0.005 | 0.005 |
| 90-R22-40-45 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R22-45-50 | 0.069 | 0.017 | 0.029 | 0.045 |
| 90-R22-50-55 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R22-55-60 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R22-60-65 | <0.002 | <0.002 | 0.005 | 0.005 |
| 90-R22-65-70 | 0.005 | <0.002 | 0.007 | 0.008 |
| 90-R22-70-75 | <0.002 | <0.002 | 0.008 | 0.008 |
| 90-R22-75-80 | <0.002 | <0.002 | 0.007 | 0.007 |
| 90-R22-80-85 | 0.006 | <0.002 | 0.008 | 0.008 |
| 90-R22-85-90 | | Missing | | |
| 90-R22-90-95 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R22-95-100 | <0.002 | <0.002 | 0.007 | 0.007 |
| 90-R22-100-105 | 0.037 | 0.008 | 0.008 | 0.016 |
| 90-R22-105-110 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R22-110-115 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R22-115-120 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R22-120-125 | <0.002 | <0.002 | 0.018 | 0.018 |
| 90-R22-125-130 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R22-130-135 | <0.002 | <0.002 | 0.026 | 0.026 |
| 90-R22-135-140 | 0.006 | <0.002 | 0.023 | 0.024 |
| 90-R22-140-145 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R22-145-150 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

November 23,1990

**Work Order #** 13020

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13020f

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R23-0-5 | 0.024 | 0.004 | 0.011 | 0.015 |
| 90-R23-5-10 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R23-10-15 | 0.003 | <0.002 | 0.008 | 0.008 |
| 90-R23-15-20 | <0.002 | <0.002 | 0.008 | 0.008 |
| 90-R23-20-25 | <0.002 | <0.002 | 0.002 | 0.002 |
| 90-R23-25-30 | 0.643 | 0.161 | 0.101 | 0.258 |
| 90-R23-30-35 | 0.685 | 0.116 | 0.179 | 0.284 |
| 90-R23-35-40 | 0.101 | 0.016 | 0.066 | 0.079 |
| 90-R23-40-45 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R23-45-50 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R23-50-55 | <0.002 | <0.002 | 0.009 | 0.009 |
| 90-R23-55-60 | 0.024 | 0.005 | 0.020 | 0.024 |
| 90-R23-60-65 | 0.020 | 0.004 | 0.017 | 0.020 |
| 90-R23-65-70 | 0.054 | 0.011 | 0.012 | 0.022 |
| 90-R23-70-75 | 0.119 | 0.025 | 0.004 | 0.029 |
| 90-R23-75-80 | <0.002 | <0.002 | 0.007 | 0.007 |
| 90-R23-80-85 | <0.002 | <0.002 | 0.008 | 0.008 |
| 90-R23-85-90 | 0.026 | 0.004 | <0.002 | 0.004 |
| 90-R23-90-95 | 0.384 | 0.062 | 0.025 | 0.087 |
| 90-R23-95-100 | 0.034 | 0.004 | 0.040 | 0.043 |
| 90-R23-100-105 | 0.018 | 0.003 | 0.034 | 0.036 |
| 90-R23-105-110 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R23-110-115 | 0.026 | 0.004 | 0.014 | 0.017 |
| 90-R23-115-120 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R23-120-125 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R23-125-130 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R23-130-135 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R23-135-140 | 0.027 | 0.007 | 0.020 | 0.026 |
| 90-R23-140-145 | 0.178 | 0.027 | 0.023 | 0.050 |
| 90-R23-145-150 | 0.030 | 0.005 | <0.002 | 0.005 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

November 29,1990

**Work Order #** 13023

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13023c

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | mg +100 Au | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R24-0-5 | 0.004 | <0.002 | 0.006 | 0.006 |
| 90-R24-5-10 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R24-10-15 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-15-20 | 0.002 | <0.002 | 0.004 | 0.004 |
| 90-R24-20-25 | <0.002 | <0.002 | 0.014 | 0.013 |
| 90-R24-25-30 | <0.002 | <0.002 | 0.006 | 0.006 |
| 90-R24-30-35 | 0.668 | 0.097 | 0.028 | 0.123 |
| 90-R24-35-40 | 0.103 | 0.019 | 0.050 | 0.068 |
| 90-R24-40-45 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R24-45-50 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-50-55 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-55-60 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-60-65 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-65-70 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-70-75 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-75-80 | <0.002 | <0.002 | 0.007 | 0.007 |
| 90-R24-80-85 | 0.003 | <0.002 | <0.002 | <0.002 |
| 90-R24-85-90 | 0.006 | <0.002 | <0.002 | <0.002 |
| 90-R24-90-95 | <0.002 | <0.002 | 0.014 | 0.013 |
| 90-R24-95-100 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-100-105 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-105-110 | 0.004 | <0.002 | 0.017 | 0.017 |
| 90-R24-110-115 | <0.002 | <0.002 | 0.002 | 0.002 |
| 90-R24-115-120 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-120-125 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-125-130 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-130-135 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-135-140 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-140-145 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-145-150 | <0.002 | <0.002 | 0.004 | 0.004 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

November 29,1990

**Work Order #** 13023

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13023d

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | mg +100 Au | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R24-150-155 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-155-160 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-160-165 | <0.002 | <0.002 | 0.006 | 0.006 |
| 90-R24-165-170 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-170-175 | <0.002 | <0.002 | 0.003 | 0.003 |
| 90-R24-175-180 | 0.030 | 0.003 | 0.006 | 0.009 |
| 90-R24-180-185 | <0.002 | <0.002 | 0.004 | 0.004 |
| 90-R24-185-190 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-190-195 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R24-195-200 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

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November 30,1990

**Work Order #** 13023

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13023e

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R25-0-5 | 0.0009 |
| 90-R25-5-10 | 0.0010 |
| 90-R25-10-15 | 0.0014 |
| 90-R25-15-20 | 0.0018 |
| 90-R25-20-25 | 0.0009 |
| 90-R25-25-30 | 0.0011 |
| 90-R25-30-35 | 0.0005 |
| 90-R25-35-40 | 0.0003 |
| 90-R25-40-45 | 0.0008 |
| 90-R25-45-50 | 0.0002 |
| 90-R25-50-55 | 0.0011 |
| 90-R25-55-60 | 0.0007 |
| 90-R25-60-65 | 0.0004 |
| 90-R25-65-70 | 0.0005 |
| 90-R25-70-75 | 0.0006 |
| 90-R25-75-80 | 0.0003 |
| 90-R25-80-85 | 0.0010 |
| 90-R25-85-90 | 0.0011 |
| 90-R25-90-95 | 0.0009 |
| 90-R25-95-100 | 0.0010 |
| 90-R25-100-105 | 0.0003 |
| 90-R25-105-110 | 0.0004 |
| 90-R25-110-115 | 0.0005 |
| 90-R25-115-120 | <0.0002 |
| 90-R25-120-125 | <0.0002 |
| 90-R25-125-130 | <0.0002 |
| 90-R25-130-135 | <0.0002 |
| 90-R25-135-140 | <0.0002 |
| 90-R25-140-145 | <0.0002 |
| 90-R25-145-150 | <0.0002 |
| 90-R25-150-155 | <0.0002 |
| 90-R25-155-160 | 0.0006 |

Au -- 1AT Fire Assay/AAS

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**Work Order #** 13023

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

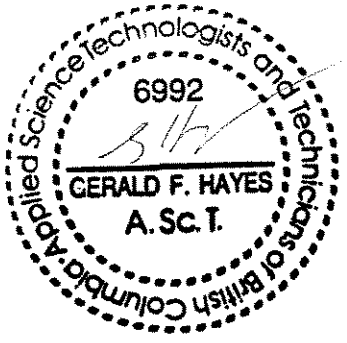
**File #** 13023f

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R26-0-5 | <0.0002 |
| 90-R26-5-10 | <0.0002 |
| 90-R26-10-15 | <0.0002 |
| 90-R26-15-20 | 0.0002 |
| 90-R26-20-25 | <0.0002 |
| 90-R26-25-30 | 0.0002 |
| 90-R26-30-35 | 0.0002 |
| 90-R26-35-40 | 0.0003 |
| 90-R26-40-45 | <0.0002 |
| 90-R26-45-50 | <0.0002 |
| 90-R26-50-55 | <0.0002 |
| 90-R26-55-60 | <0.0002 |
| 90-R26-60-65 | <0.0002 |
| 90-R26-65-70 | <0.0002 |
| 90-R26-70-75 | <0.0002 |
| 90-R26-75-80 | <0.0002 |
| 90-R26-80-85 | <0.0002 |
| 90-R26-85-90 | 0.0004 |
| 90-R26-90-95 | <0.0002 |
| 90-R26-95-100 | <0.0002 |
| 90-R26-100-105 | <0.0002 |
| 90-R26-105-110 | 0.0022 |
| 90-R26-110-115 | <0.0002 |
| 90-R26-115-120 | <0.0002 |
| 90-R26-120-125 | <0.0002 |
| 90-R26-125-130 | 0.0015 |
| 90-R26-130-135 | 0.0006 |
| 90-R26-135-140 | <0.0002 |
| 90-R26-140-145 | <0.0002 |
| 90-R26-145-150 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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November 30,1990

**Work Order #** 13023

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

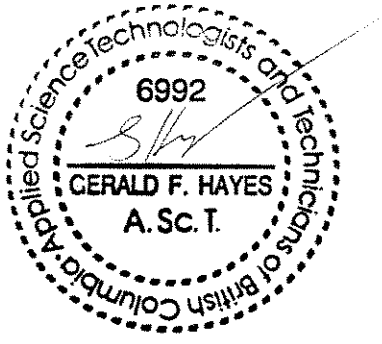
**File #** 13023g

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R26-150-155 | <0.0002 |
| 90-R26-155-160 | <0.0002 |
| 90-R26-160-165 | <0.0002 |
| 90-R26-165-170 | 0.0010 |
| 90-R26-170-175 | <0.0002 |
| 90-R26-175-180 | <0.0002 |
| 90-R26-180-185 | <0.0002 |
| 90-R26-185-190 | <0.0002 |
| 90-R26-190-195 | <0.0002 |
| 90-R26-195-200 | <0.0002 |
| 90-R26-200-205 | <0.0002 |
| 90-R26-205-210 | 0.0005 |
| 90-R26-210-215 | <0.0002 |
| 90-R26-215-220 | <0.0002 |
| 90-R26-220-225 | <0.0002 |
| 90-R26-225-230 | <0.0002 |
| 90-R26-230-235 | <0.0002 |
| 90-R26-235-240 | <0.0002 |
| 90-R26-240-245 | <0.0002 |
| 90-R26-245-250 | 0.0003 |
| 90-R26-250-255 | <0.0002 |
| 90-R26-255-260 | <0.0002 |
| 90-R26-260-265 | <0.0002 |
| 90-R26-265-270 | <0.0002 |
| 90-R26-270-275 | <0.0002 |
| 90-R26-275-280 | <0.0002 |
| 90-R26-280-285 | <0.0002 |
| 90-R26-285-290 | <0.0002 |
| 90-R26-290-295 | 0.0002 |
| 90-R26-295-300 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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December 3,1990

**Work Order #** 13024

Arbor Resources
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V6E 2K3

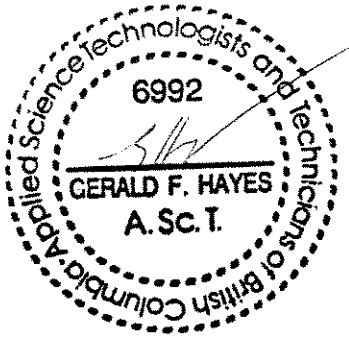
**File #** 13024a

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R27-0-5 | 0.0008 |
| 90-R27-5-10 | <0.0002 |
| 90-R27-10-15 | <0.0002 |
| 90-R27-15-20 | <0.0002 |
| 90-R27-20-25 | <0.0002 |
| 90-R27-25-30 | <0.0002 |
| 90-R27-30-35 | <0.0002 |
| 90-R27-35-40 | <0.0002 |
| 90-R27-40-45 | 0.0002 |
| 90-R27-45-50 | 0.0002 |
| 90-R27-50-55 | 0.0005 |
| 90-R27-55-60 | 0.0008 |
| 90-R27-60-65 | 0.0003 |
| 90-R27-65-70 | 0.0007 |
| 90-R27-70-75 | <0.0002 |
| 90-R27-75-80 | <0.0002 |
| 90-R27-80-85 | <0.0002 |
| 90-R27-85-90 | <0.0002 |
| 90-R27-90-95 | <0.0002 |
| 90-R27-95-100 | <0.0002 |
| 90-R27-100-105 | 0.0003 |
| 90-R27-105-110 | <0.0002 |
| 90-R27-110-115 | <0.0002 |
| 90-R27-115-120 | <0.0002 |
| 90-R27-120-125 | <0.0002 |
| 90-R27-125-130 | <0.0002 |
| 90-R27-130-135 | <0.0002 |
| 90-R27-135-140 | <0.0002 |
| 90-R27-140-145 | <0.0002 |
| 90-R27-145-150 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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December 3,1990

**Work Order #** 13024

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Vancouver, B.C.
V6E 2K3

**File #** 13024b

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R27-150-155 | 0.0005 |
| 90-R27-155-160 | <0.0002 |
| 90-R27-160-165 | <0.0002 |
| 90-R27-165-170 | <0.0002 |
| 90-R27-170-175 | <0.0002 |
| 90-R27-175-180 | <0.0002 |
| 90-R27-180-185 | <0.0002 |
| 90-R27-185-190 | <0.0002 |
| 90-R27-190-195 | <0.0002 |
| 90-R27-195-200 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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December 3,1990

**Work Order #** 13024

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Vancouver, B.C.
V6E 2K3

**File #** 13024c

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R28-0-5 | <0.0002 |
| 90-R28-5-10 | <0.0002 |
| 90-R28-10-15 | <0.0002 |
| 90-R28-15-20 | <0.0002 |
| 90-R28-20-25 | 0.0149 |
| 90-R28-25-30 | <0.0002 |
| 90-R28-30-35 | <0.0002 |
| 90-R28-35-40 | <0.0002 |
| 90-R28-40-45 | <0.0002 |
| 90-R28-45-50 | <0.0002 |
| 90-R28-50-55 | <0.0002 |
| 90-R28-55-60 | 0.0072 |
| 90-R28-60-65 | <0.0002 |
| 90-R28-65-70 | <0.0002 |
| 90-R28-70-75 | <0.0002 |
| 90-R28-75-80 | <0.0002 |
| 90-R28-80-85 | <0.0002 |
| 90-R28-85-90 | <0.0002 |
| 90-R28-90-95 | <0.0002 |
| 90-R28-95-100 | <0.0002 |
| 90-R28-100-105 | <0.0002 |
| 90-R28-105-110 | <0.0002 |
| 90-R28-110-115 | <0.0002 |
| 90-R28-115-120 | <0.0002 |
| 90-R28-120-125 | <0.0002 |
| 90-R28-125-130 | <0.0002 |
| 90-R28-130-135 | <0.0002 |
| 90-R28-135-140 | <0.0002 |
| 90-R28-140-145 | <0.0002 |
| 90-R28-145-150 | 0.0018 |

Au -- 1AT Fire Assay/AAS

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December 3,1990

**Work Order #** 13024

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13024d

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R28-150-155 | <0.0002 |
| 90-R28-155-160 | 0.0002 |
| 90-R28-160-165 | 0.0002 |
| 90-R28-165-170 | 0.0004 |
| 90-R28-170-175 | <0.0002 |
| 90-R28-175-180 | <0.0002 |
| 90-R28-180-185 | 0.0004 |
| 90-R28-185-190 | 0.0005 |
| 90-R28-190-195 | <0.0002 |
| 90-R28-195-200 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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Northern Analytical Laboratories ltd.

December 5,1990

**Work Order #** 13032

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13032a

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R29-0-5 | 0.0023 |
| 90-R29-5-10 | 0.0009 |
| 90-R29-10-15 | <0.0002 |
| 90-R29-15-20 | <0.0002 |
| 90-R29-20-25 | <0.0002 |
| 90-R29-25-30 | <0.0002 |
| 90-R29-30-35 | 0.0008 |
| 90-R29-35-40 | <0.0002 |
| 90-R29-40-45 | 0.0004 |
| 90-R29-45-50 | <0.0002 |
| 90-R29-50-55 | <0.0002 |
| 90-R29-55-60 | 0.0009 |
| 90-R29-60-65 | 0.0006 |
| 90-R29-65-70 | 0.0006 |
| 90-R29-70-75 | 0.0005 |
| 90-R29-75-80 | 0.0027 |
| 90-R29-80-85 | 0.0012 |
| 90-R29-85-90 | 0.0008 |
| 90-R29-90-95 | 0.0010 |
| 90-R29-95-100 | 0.0011 |
| 90-R29-100-105 | 0.0014 |
| 90-R29-105-110 | 0.0004 |
| 90-R29-110-115 | <0.0002 |
| 90-R29-115-120 | 0.0104 |
| 90-R29-120-125 | 0.0012 |
| 90-R29-125-130 | <0.0002 |
| 90-R29-130-135 | <0.0002 |
| 90-R29-135-140 | <0.0002 |
| 90-R29-140-145 | 0.0002 |
| 90-R29-145-150 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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Northern Analytical Laboratories ltd.

December 4,1990

**Work Order #** 13032

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13032b

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R29-150-155 | 0.0006 |
| 90-R29-155-160 | 0.0005 |
| 90-R29-160-165 | 0.0091 |
| 90-R29-165-170 | 0.0054 |
| 90-R29-170-175 | <0.0002 |
| 90-R29-175-180 | <0.0002 |
| 90-R29-180-185 | <0.0002 |
| 90-R29-185-190 | 0.0009 |
| 90-R29-190-195 | <0.0002 |
| 90-R29-195-200 | 0.0055 |
| 90-R29-200-205 | 0.0090 |
| 90-R29-205-210 | 0.0024 |
| 90-R29-210-215 | 0.0026 |
| 90-R29-215-220 | 0.0011 |
| 90-R29-220-225 | 0.0065 |
| 90-R29-225-230 | 0.0006 |
| 90-R29-230-235 | <0.0002 |
| 90-R29-235-240 | <0.0002 |
| 90-R29-240-245 | <0.0002 |
| 90-R29-245-250 | <0.0002 |
| 90-R29-250-255 | 0.0009 |
| 90-R29-255-260 | <0.0002 |
| 90-R29-260-265 | <0.0002 |
| 90-R29-265-270 | 0.0014 |
| 90-R29-270-275 | <0.0002 |
| 90-R29-275-280 | <0.0002 |
| 90-R29-280-285 | 0.0016 |
| 90-R29-285-290 | <0.0002 |
| 90-R29-290-295 | <0.0002 |
| 90-R29-295-300 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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Northern Analytical Laboratories ltd.

December 5,1990

**Work Order #** 13032

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

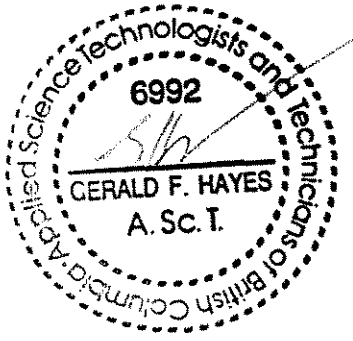
**File #** 13032c

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R29-300-305 | 0.0040 |
| 90-R29-305-310 | 0.0011 |
| 90-R29-310-315 | 0.0005 |
| 90-R29-315-320 | 0.0110 |
| 90-R29-320-325 | 0.0010 |
| 90-R29-325-330 | 0.0036 |
| 90-R29-330-335 | 0.0024 |
| 90-R29-335-340 | 0.0004 |
| 90-R29-340-345 | 0.0008 |
| 90-R29-345-350 | 0.0007 |
| 90-R29-350-355 | 0.0006 |
| 90-R29-355-360 | 0.0002 |
| 90-R29-360-365 | <0.0002 |
| 90-R29-365-370 | 0.0008 |
| 90-R29-370-375 | 0.0005 |
| 90-R29-375-380 | 0.0004 |
| 90-R29-380-385 | 0.0003 |
| 90-R29-385-390 | <0.0002 |
| 90-R29-390-395 | <0.0002 |
| 90-R29-395-400 | 0.0006 |
| 90-R29-400-405 | <0.0002 |
| 90-R29-405-410 | <0.0002 |
| 90-R29-410-415 | <0.0002 |
| 90-R29-415-420 | <0.0002 |
| 90-R29-420-425 | 0.0004 |
| 90-R29-425-430 | 0.0005 |
| 90-R29-430-435 | <0.0002 |
| 90-R29-435-440 | 0.0009 |
| 90-R29-440-445 | 0.0216 |
| 90-R29-445-450 | 0.0064 |

Au -- 1AT Fire Assay/AAS

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Northern Analytical Laboratories ltd.

December 3,1990

**Work Order #** 13024

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13024e

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R30-0-5 | <0.0002 |
| 90-R30-5-10 | <0.0002 |
| 90-R30-10-15 | <0.0002 |
| 90-R30-15-20 | <0.0002 |
| 90-R30-20-25 | <0.0002 |
| 90-R30-25-30 | <0.0002 |
| 90-R30-30-35 | 0.0002 |
| 90-R30-35-40 | <0.0002 |
| 90-R30-40-45 | <0.0002 |
| 90-R30-45-50 | 0.0083 |
| 90-R30-50-55 | <0.0002 |
| 90-R30-55-60 | 0.0008 |
| 90-R30-60-65 | 0.0004 |
| 90-R30-65-70 | <0.0002 |
| 90-R30-70-75 | <0.0002 |
| 90-R30-75-80 | <0.0002 |
| 90-R30-80-85 | 0.0002 |
| 90-R30-85-90 | <0.0002 |
| 90-R30-90-95 | 0.0010 |
| 90-R30-95-100 | <0.0002 |
| 90-R30-100-105 | <0.0002 |
| 90-R30-105-110 | <0.0002 |
| 90-R30-110-115 | <0.0002 |
| 90-R30-115-120 | <0.0002 |
| 90-R30-120-125 | <0.0002 |
| 90-R30-125-130 | <0.0002 |
| 90-R30-130-135 | 0.0012 |
| 90-R30-135-140 | 0.0014 |
| 90-R30-140-145 | 0.0015 |
| 90-R30-145-150 | 0.0002 |

Au -- 1AT Fire Assay/AAS

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December 3,1990

**Work Order #** 13024

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13024f

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R30-150-155 | 0.0239 |
| 90-R30-155-160 | 0.0005 |
| 90-R30-160-165 | 0.0007 |
| 90-R30-165-170 | 0.0031 |
| 90-R30-170-175 | 0.0010 |
| 90-R30-175-180 | <0.0002 |
| 90-R30-180-185 | 0.0094 |
| 90-R30-185-190 | <0.0002 |
| 90-R30-190-195 | 0.0003 |
| 90-R30-195-200 | <0.0002 |
| 90-R30-200-205 | 0.0012 |
| 90-R30-205-210 | 0.0146 |
| 90-R30-210-215 | 0.0003 |
| 90-R30-215-220 | <0.0002 |
| 90-R30-220-225 | 0.0003 |
| 90-R30-225-230 | 0.0004 |
| 90-R30-230-235 | <0.0002 |
| 90-R30-235-240 | 0.0009 |
| 90-R30-240-245 | <0.0002 |
| 90-R30-245-250 | 0.0002 |
| 90-R30-250-255 | <0.0002 |
| 90-R30-255-260 | 0.0002 |
| 90-R30-260-265 | 0.0350 |
| 90-R30-265-270 | 0.0004 |
| 90-R30-270-275 | 0.0006 |
| 90-R30-275-280 | 0.0005 |
| 90-R30-280-285 | 0.0003 |
| 90-R30-285-290 | <0.0002 |
| 90-R30-290-295 | 0.0003 |
| 90-R30-295-300 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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December 3,1990

**Work Order #** 13024

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13024g

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R30-300-305 | <0.0002 |
| 90-R30-305-310 | 0.0004 |
| 90-R30-310-315 | 0.0004 |
| 90-R30-315-320 | 0.0003 |
| 90-R30-320-325 | 0.0068 |
| 90-R30-325-330 | 0.0010 |
| 90-R30-330-335 | 0.0047 |
| 90-R30-335-340 | 0.0007 |
| 90-R30-340-345 | 0.0008 |
| 90-R30-345-350 | 0.0005 |
| 90-R30-350-355 | 0.0023 |
| 90-R30-355-360 | 0.0103 |
| 90-R30-360-365 | 0.0210 |
| 90-R30-365-370 | 0.0183 |
| 90-R30-370-375 | 0.0009 |
| 90-R30-375-380 | 0.0012 |
| 90-R30-380-385 | 0.0005 |
| 90-R30-385-390 | 0.0003 |
| 90-R30-390-395 | <0.0002 |
| 90-R30-395-400 | <0.0002 |
| 90-R30-400-405 | <0.0002 |
| 90-R30-405-410 | 0.0035 |
| 90-R30-410-415 | 0.0007 |
| 90-R30-415-420 | 0.0005 |
| 90-R30-420-425 | <0.0002 |
| 90-R30-425-430 | <0.0002 |
| 90-R30-430-435 | 0.0004 |
| 90-R30-435-440 | <0.0002 |
| 90-R30-440-445 | 0.0011 |
| 90-R30-445-450 | 0.0160 |

Au -- 1AT Fire Assay/AAS

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December 3,1990

**Work Order #** 13024

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13024h

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R30-450-455 | 0.0364 |
| 90-R30-455-460 | 0.0077 |
| 90-R30-460-465 | 0.0016 |
| 90-R30-465-470 | 0.0037 |
| 90-R30-470-475 | 0.0008 |
| 90-R30-475-480 | 0.0019 |
| 90-R30-480-485 | 0.0005 |
| 90-R30-485-490 | 0.0004 |

Au -- 1AT Fire Assay/AAS

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December 7,1990

**Work Order #** 13032

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13032d

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R31-0-5 | 0.0004 |
| 90-R31-5-10 | <0.0002 |
| 90-R31-10-15 | 0.0003 |
| 90-R31-15-20 | <0.0002 |
| 90-R31-20-25 | 0.0002 |
| 90-R31-25-30 | 0.0002 |
| 90-R31-30-35 | <0.0002 |
| 90-R31-35-40 | <0.0002 |
| 90-R31-40-45 | <0.0002 |
| 90-R31-45-50 | <0.0002 |
| 90-R31-50-55 | <0.0002 |
| 90-R31-55-60 | 0.0005 |
| 90-R31-60-65 | <0.0002 |
| 90-R31-65-70 | <0.0002 |
| 90-R31-70-75 | <0.0002 |
| 90-R31-75-80 | <0.0002 |
| 90-R31-80-85 | <0.0002 |
| 90-R31-85-90 | <0.0002 |
| 90-R31-90-95 | <0.0002 |
| 90-R31-95-100 | <0.0002 |
| 90-R31-100-105 | <0.0002 |
| 90-R31-105-110 | <0.0002 |
| 90-R31-110-115 | <0.0002 |
| 90-R31-115-120 | <0.0002 |
| 90-R31-120-125 | <0.0002 |
| 90-R31-125-130 | <0.0002 |
| 90-R31-130-135 | <0.0002 |
| 90-R31-135-140 | <0.0002 |
| 90-R31-140-145 | <0.0002 |
| 90-R31-145-150 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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December 4,1990

**Work Order #** 13032

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13032e

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R31-150-155 | <0.0002 |
| 90-R31-155-160 | <0.0002 |
| 90-R31-160-165 | <0.0002 |
| 90-R31-165-170 | <0.0002 |
| 90-R31-170-175 | <0.0002 |
| 90-R31-175-180 | <0.0002 |
| 90-R31-180-185 | <0.0002 |
| 90-R31-185-190 | <0.0002 |
| 90-R31-190-195 | <0.0002 |
| 90-R31-195-200 | <0.0002 |
| 90-R31-200-205 | <0.0002 |
| 90-R31-205-210 | <0.0002 |
| 90-R31-210-215 | <0.0002 |
| 90-R31-215-220 | <0.0002 |
| 90-R31-220-225 | <0.0002 |
| 90-R31-225-230 | <0.0002 |
| 90-R31-230-235 | <0.0002 |
| 90-R31-235-240 | <0.0002 |
| 90-R31-240-245 | <0.0002 |
| 90-R31-245-250 | <0.0002 |
| 90-R31-250-255 | 0.0002 |
| 90-R31-255-260 | <0.0002 |
| 90-R31-260-265 | 0.0004 |
| 90-R31-265-270 | 0.0002 |
| 90-R31-270-275 | <0.0002 |
| 90-R31-275-280 | 0.0003 |
| 90-R31-280-285 | 0.0002 |
| 90-R31-285-290 | 0.0004 |
| 90-R31-290-295 | <0.0002 |
| 90-R31-295-300 | 0.0009 |

Au -- 1AT Fire Assay/AAS

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December 6,1990

**Work Order #** 13032

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13032f

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R32-0-5 | 0.0006 |
| 90-R32-5-10 | 0.0020 |
| 90-R32-10-15 | 0.0005 |
| 90-R32-15-20 | 0.0009 |
| 90-R32-20-25 | 0.0005 |
| 90-R32-25-30 | 0.0004 |
| 90-R32-30-35 | 0.0004 |
| 90-R32-35-40 | <0.0002 |
| 90-R32-40-45 | 0.0003 |
| 90-R32-45-50 | 0.0003 |
| 90-R32-50-55 | 0.1236 |
| 90-R32-55-60 | 0.0143 |
| 90-R32-60-65 | 0.0010 |
| 90-R32-65-70 | 0.0011 |
| 90-R32-70-75 | 0.0003 |
| 90-R32-75-80 | 0.0011 |
| 90-R32-80-85 | 0.0004 |
| 90-R32-85-90 | 0.0004 |
| 90-R32-90-95 | 0.0003 |
| 90-R32-95-100 | 0.0004 |

Au -- 1AT Fire Assay/AAS

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Northern Analytical Laboratories ltd.

December 6,1990

**Work Order #** 13035

Arbor Resources
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Vancouver, B.C.
V6E 2K3

**File #** 13035a

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R33-0-5 | 0.0008 |
| 90-R33-5-10 | <0.0002 |
| 90-R33-10-15 | <0.0002 |
| 90-R33-15-20 | <0.0002 |
| 90-R33-20-25 | <0.0002 |
| 90-R33-25-30 | <0.0002 |
| 90-R33-30-35 | <0.0002 |
| 90-R33-35-40 | <0.0002 |
| 90-R33-40-45 | 0.0003 |
| 90-R33-45-50 | 0.0010 |
| 90-R33-50-55 | <0.0002 |
| 90-R33-55-60 | 0.0002 |
| 90-R33-60-65 | <0.0002 |
| 90-R33-65-70 | <0.0002 |
| 90-R33-70-75 | <0.0002 |
| 90-R33-75-80 | 0.0006 |
| 90-R33-80-85 | 0.0002 |
| 90-R33-85-90 | <0.0002 |
| 90-R33-90-95 | <0.0002 |
| 90-R33-95-100 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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Northern Analytical Laboratories ltd.

December 6,1990

**Work Order #** 13032

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13032g

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R34-0-5 | 0.0007 |
| 90-R34-5-10 | 0.0158 |
| 90-R34-10-15 | 0.0006 |
| 90-R34-15-20 | 0.0005 |
| 90-R34-20-25 | 0.0006 |
| 90-R34-25-30 | 0.0011 |
| 90-R34-30-35 | 0.0005 |
| 90-R34-35-40 | 0.0006 |
| 90-R34-40-45 | 0.0006 |
| 90-R34-45-50 | 0.0006 |
| 90-R34-50-55 | 0.0002 |
| 90-R34-55-60 | <0.0002 |
| 90-R34-60-65 | <0.0002 |
| 90-R34-65-70 | 0.0007 |
| 90-R34-70-75 | 0.0031 |
| 90-R34-75-80 | 0.0181 |
| 90-R34-80-85 | 0.0002 |
| 90-R34-85-90 | <0.0002 |
| 90-R34-90-95 | <0.0002 |
| 90-R34-95-100 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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December 10,1990

**Work Order #** 13035

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

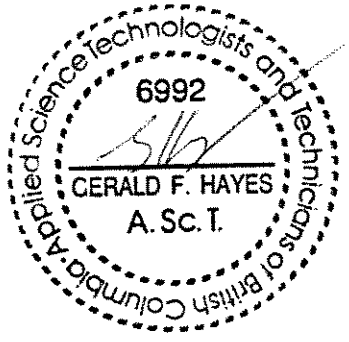
**File #** 13035b

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R35-0-5 | 0.0202 |
| 90-R35-5-10 | 0.0099 |
| 90-R35-10-15 | 0.0903 |
| 90-R35-15-20 | 0.0138 |
| 90-R35-20-25 | 0.0031 |
| 90-R35-25-30 | <0.0002 |
| 90-R35-30-35 | 0.0046 |
| 90-R35-35-40 | 0.0007 |
| 90-R35-40-45 | 0.0094 |
| 90-R35-45-50 | 0.0015 |
| 90-R35-50-55 | 0.0004 |
| 90-R35-55-60 | <0.0002 |
| 90-R35-60-65 | <0.0002 |
| 90-R35-65-70 | 0.0007 |
| 90-R35-70-75 | 0.0002 |
| 90-R35-75-80 | 0.0003 |
| 90-R35-80-85 | <0.0002 |
| 90-R35-85-90 | 0.0002 |
| 90-R35-90-95 | 0.0003 |
| 90-R35-95-100 | 0.0004 |

Au -- 1AT Fire Assay/AAS

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December 5,1990

**Work Order #** 13032

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13032h

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R36-0-5 | <0.0002 |
| 90-R36-5-10 | 0.0066 |
| 90-R36-10-15 | <0.0002 |
| 90-R36-15-20 | 0.0036 |
| 90-R36-20-25 | <0.0002 |
| 90-R36-25-30 | 0.0018 |
| 90-R36-30-35 | 0.0005 |
| 90-R36-35-40 | 0.0004 |
| 90-R36-40-45 | 0.0002 |
| 90-R36-45-50 | 0.0015 |
| 90-R36-50-55 | 0.0002 |
| 90-R36-55-60 | 0.0004 |
| 90-R36-60-65 | <0.0002 |
| 90-R36-65-70 | 0.0005 |
| 90-R36-70-75 | <0.0002 |
| 90-R36-75-80 | <0.0002 |
| 90-R36-80-85 | <0.0002 |
| 90-R36-85-90 | <0.0002 |
| 90-R36-90-95 | <0.0002 |
| 90-R36-95-100 | <0.0002 |
| 90-R36-100-105 | <0.0002 |
| 90-R36-105-110 | <0.0002 |
| 90-R36-110-115 | <0.0002 |
| 90-R36-115-120 | <0.0002 |
| 90-R36-120-125 | <0.0002 |
| 90-R36-125-130 | 0.0002 |
| 90-R36-130-135 | <0.0002 |
| 90-R36-135-140 | <0.0002 |
| 90-R36-140-145 | 0.0003 |
| 90-R36-145-150 | 0.0002 |

Au -- 1AT Fire Assay/AAS

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December 4,1990

**Work Order #** 13032

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

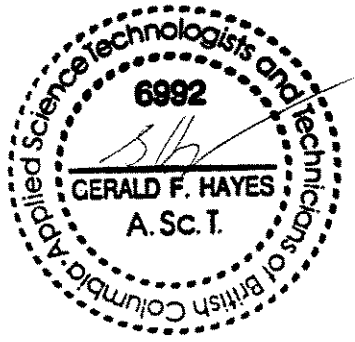
**File #** 13032i

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R36-150-155 | <0.0002 |
| 90-R36-155-160 | <0.0002 |
| 90-R36-160-165 | <0.0002 |
| 90-R36-165-170 | <0.0002 |
| 90-R36-170-175 | <0.0002 |
| 90-R36-175-180 | 0.0002 |
| 90-R36-180-185 | <0.0002 |
| 90-R36-185-190 | 0.0007 |
| 90-R36-190-195 | <0.0002 |
| 90-R36-195-200 | <0.0002 |
| 90-R36-200-205 | <0.0002 |
| 90-R36-205-210 | <0.0002 |
| 90-R36-210-215 | <0.0002 |
| 90-R36-215-220 | <0.0002 |
| 90-R36-220-225 | <0.0002 |
| 90-R36-225-230 | <0.0002 |
| 90-R36-230-235 | <0.0002 |
| 90-R36-235-240 | <0.0002 |
| 90-R36-240-245 | <0.0002 |
| 90-R36-245-250 | <0.0002 |
| 90-R36-250-255 | <0.0002 |
| 90-R36-255-260 | 0.0029 |
| 90-R36-260-265 | <0.0002 |
| 90-R36-265-270 | <0.0002 |
| 90-R36-270-275 | 0.0006 |
| 90-R36-275-280 | <0.0002 |
| 90-R36-280-285 | <0.0002 |
| 90-R36-285-290 | <0.0002 |
| 90-R36-290-295 | 0.0011 |
| 90-R36-295-300 | 0.0035 |

Au -- 1AT Fire Assay/AAS

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December 6,1990

**Work Order #** 13032

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13032j

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R36-300-305 | 0.0070 |
| 90-R36-305-310 | 0.0003 |
| 90-R36-310-315 | 0.0003 |
| 90-R36-315-320 | 0.0004 |
| 90-R36-320-325 | 0.0004 |
| 90-R36-325-330 | 0.0005 |
| 90-R36-330-335 | 0.0004 |
| 90-R36-335-340 | 0.0003 |
| 90-R36-340-345 | 0.0004 |
| 90-R36-345-350 | 0.0006 |
| 90-R36-350-355 | 0.0002 |
| 90-R36-355-360 | <0.0002 |
| 90-R36-360-365 | <0.0002 |
| 90-R36-365-370 | <0.0002 |
| 90-R36-370-375 | 0.0003 |
| 90-R36-375-380 | 0.0002 |
| 90-R36-380-385 | <0.0002 |
| 90-R36-385-390 | <0.0002 |
| 90-R36-390-395 | <0.0002 |
| 90-R36-395-400 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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**Work Order #** 13035

Arbor Resources
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V6E 2K3

**File #** 13035c

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R37-0-5 | <0.0002 |
| 90-R37-5-10 | <0.0002 |
| 90-R37-10-15 | <0.0002 |
| 90-R37-15-20 | <0.0002 |
| 90-R37-20-25 | <0.0002 |
| 90-R37-25-30 | <0.0002 |
| 90-R37-30-35 | <0.0002 |
| 90-R37-35-40 | <0.0002 |
| 90-R37-40-45 | 0.0003 |
| 90-R37-45-50 | <0.0002 |
| 90-R37-50-55 | <0.0002 |
| 90-R37-55-60 | <0.0002 |
| 90-R37-60-65 | 0.0002 |
| 90-R37-65-70 | 0.0002 |
| 90-R37-70-75 | <0.0002 |
| 90-R37-75-80 | <0.0002 |
| 90-R37-80-85 | <0.0002 |
| 90-R37-85-90 | 0.0002 |
| 90-R37-90-95 | <0.0002 |
| 90-R37-95-100 | 0.0002 |
| 90-R37-100-105 | <0.0002 |
| 90-R37-105-110 | <0.0002 |
| 90-R37-110-115 | <0.0002 |
| 90-R37-115-120 | <0.0002 |
| 90-R37-120-125 | <0.0002 |
| 90-R37-125-130 | <0.0002 |
| 90-R37-130-135 | <0.0002 |
| 90-R37-135-140 | <0.0002 |
| 90-R37-140-145 | <0.0002 |
| 90-R37-145-150 | <0.0002 |

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Work Order # 13035

File # 13035d

Arbor Resources
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V6E 2K3

Sample : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R37-150-155 | <0.0002 |
| 90-R37-155-160 | <0.0002 |
| 90-R37-160-165 | <0.0002 |
| 90-R37-165-170 | <0.0002 |
| 90-R37-170-175 | <0.0002 |
| 90-R37-175-180 | 0.0002 |
| 90-R37-180-185 | 0.0002 |
| 90-R37-185-190 | <0.0002 |
| 90-R37-190-195 | <0.0002 |
| 90-R37-195-200 | <0.0002 |
| 90-R37-200-205 | <0.0002 |
| 90-R37-205-210 | <0.0002 |
| 90-R37-210-215 | <0.0002 |
| 90-R37-215-220 | <0.0002 |
| 90-R37-220-225 | <0.0002 |
| 90-R37-225-230 | <0.0002 |
| 90-R37-230-235 | <0.0002 |
| 90-R37-235-240 | <0.0002 |
| 90-R37-240-245 | <0.0002 |
| 90-R37-245-250 | <0.0002 |
| 90-R37-250-255 | <0.0002 |
| 90-R37-255-260 | <0.0002 |
| 90-R37-260-265 | <0.0002 |
| 90-R37-265-270 | 0.0004 |
| 90-R37-270-275 | 0.0002 |
| 90-R37-275-280 | <0.0002 |
| 90-R37-280-285 | <0.0002 |
| 90-R37-285-290 | 0.0002 |
| 90-R37-290-295 | 0.0003 |
| 90-R37-295-300 | 0.0002 |

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**File #** 13035e

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R38-0-5 | 0.0003 |
| 90-R38-5-10 | 0.0005 |
| 90-R38-10-15 | 0.0004 |
| 90-R38-15-20 | <0.0002 |
| 90-R38-20-25 | 0.0003 |
| 90-R38-25-30 | 0.0004 |
| 90-R38-30-35 | 0.0005 |
| 90-R38-35-40 | 0.0004 |
| 90-R38-40-45 | 0.0002 |
| 90-R38-45-50 | <0.0002 |
| 90-R38-50-55 | <0.0002 |
| 90-R38-55-60 | <0.0002 |
| 90-R38-60-65 | <0.0002 |
| 90-R38-65-70 | <0.0002 |
| 90-R38-70-75 | 0.0002 |
| 90-R38-75-80 | 0.0002 |
| 90-R38-80-85 | 0.0003 |
| 90-R38-85-90 | 0.0381 |
| 90-R38-90-95 | 0.0003 |
| 90-R38-95-100 | 0.0004 |
| 90-R38-100-105 | 0.0004 |
| 90-R38-105-110 | <0.0002 |
| 90-R38-110-115 | <0.0002 |
| 90-R38-115-120 | <0.0002 |
| 90-R38-120-125 | <0.0002 |
| 90-R38-125-130 | <0.0002 |
| 90-R38-130-135 | <0.0002 |
| 90-R38-135-140 | <0.0002 |
| 90-R38-140-145 | 0.0002 |
| 90-R38-145-150 | <0.0002 |

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**Work Order #** 13035

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**File #** 13035f

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R38-150-155 | 0.0031 |
| 90-R38-155-160 | 0.0011 |
| 90-R38-160-165 | 0.0006 |
| 90-R38-165-170 | 0.0002 |
| 90-R38-170-175 | <0.0002 |
| 90-R38-175-180 | <0.0002 |
| 90-R38-180-185 | 0.0003 |
| 90-R38-185-190 | 0.0002 |
| 90-R38-190-195 | <0.0002 |
| 90-R38-195-200 | <0.0002 |
| 90-R38-200-205 | 0.0003 |
| 90-R38-205-210 | <0.0002 |
| 90-R38-210-215 | <0.0002 |
| 90-R38-215-220 | 0.0002 |
| 90-R38-220-225 | 0.0004 |
| 90-R38-225-230 | 0.0007 |
| 90-R38-230-235 | 0.0006 |
| 90-R38-235-240 | 0.0008 |
| 90-R38-240-245 | <0.0002 |
| 90-R38-245-250 | <0.0002 |

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Work Order # 13035

File # 13035g

Sample : Perc. Cuttings

Arbor Resources
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## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R39-0-5 | 0.0002 |
| 90-R39-5-10 | 0.0004 |
| 90-R39-10-15 | 0.0003 |
| 90-R39-15-20 | 0.0007 |
| 90-R39-20-25 | 0.0011 |
| 90-R39-25-30 | 0.0005 |
| 90-R39-30-35 | <0.0002 |
| 90-R39-35-40 | <0.0002 |
| 90-R39-40-45 | <0.0002 |
| 90-R39-45-50 | <0.0002 |
| 90-R39-50-55 | <0.0002 |
| 90-R39-55-60 | 0.0004 |
| 90-R39-60-65 | <0.0002 |
| 90-R39-65-70 | 0.0004 |
| 90-R39-70-75 | 0.0003 |
| 90-R39-75-80 | 0.0005 |
| 90-R39-80-85 | 0.0002 |
| 90-R39-85-90 | 0.0004 |
| 90-R39-90-95 | 0.0003 |
| 90-R39-95-100 | 0.0005 |
| 90-R39-100-105 | 0.0007 |
| 90-R39-105-110 | 0.0003 |
| 90-R39-110-115 | 0.0005 |
| 90-R39-115-120 | 0.0005 |
| 90-R39-120-125 | 0.0008 |
| 90-R39-125-130 | 0.0005 |
| 90-R39-130-135 | 0.0005 |
| 90-R39-135-140 | <0.0002 |
| 90-R39-140-145 | 0.0004 |
| 90-R39-145-150 | 0.0003 |

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File # 13035h

Sample : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R39-150-155 | 0.0004 |
| 90-R39-155-160 | <0.0002 |
| 90-R39-160-165 | 0.0004 |
| 90-R39-165-170 | <0.0002 |
| 90-R39-170-175 | 0.0005 |
| 90-R39-175-180 | 0.0004 |
| 90-R39-180-185 | 0.0007 |
| 90-R39-185-190 | 0.0003 |
| 90-R39-190-195 | 0.0010 |
| 90-R39-195-200 | 0.0015 |
| 90-R39-200-205 | 0.0003 |
| 90-R39-205-210 | 0.0010 |
| 90-R39-210-215 | 0.0007 |
| 90-R39-215-220 | 0.0006 |
| 90-R39-220-225 | 0.0007 |
| 90-R39-225-230 | <0.0002 |
| 90-R39-230-235 | 0.0002 |
| 90-R39-235-240 | <0.0002 |
| 90-R39-240-245 | 0.0002 |
| 90-R39-245-250 | 0.0003 |
| 90-R39-250-255 | 0.0003 |
| 90-R39-255-260 | 0.0004 |
| 90-R39-260-265 | <0.0002 |
| 90-R39-265-270 | 0.0010 |
| 90-R39-270-275 | 0.0014 |
| 90-R39-275-280 | <0.0002 |
| 90-R39-280-285 | <0.0002 |
| 90-R39-285-290 | <0.0002 |
| 90-R39-290-295 | <0.0002 |
| 90-R39-295-300 | <0.0002 |

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**Work Order #** 13037

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**File #** 130371

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R45-0-5 | 0.0007 |
| 90-R45-5-10 | <0.0002 |
| 90-R45-10-15 | <0.0002 |
| 90-R45-15-20 | 0.0002 |
| 90-R45-20-25 | 0.0015 |
| 90-R45-25-30 | 0.0020 |
| 90-R45-30-35 | 0.0007 |
| 90-R45-35-40 | <0.0002 |
| 90-R45-40-45 | <0.0002 |
| 90-R45-45-50 | 0.0006 |
| 90-R45-50-55 | <0.0002 |
| 90-R45-55-60 | 0.0030 |
| 90-R45-60-65 | 0.0034 |
| 90-R45-65-70 | 0.0008 |
| 90-R45-70-75 | 0.0031 |
| 90-R45-75-80 | 0.0036 |
| 90-R45-80-85 | 0.0009 |
| 90-R45-85-90 | 0.0007 |
| 90-R45-90-95 | 0.0004 |
| 90-R45-95-100 | 0.0004 |
| 90-R45-100-105 | 0.0009 |
| 90-R45-105-110 | 0.0010 |
| 90-R45-110-115 | 0.0006 |
| 90-R45-115-120 | 0.0004 |
| 90-R45-120-125 | 0.0005 |
| 90-R45-125-130 | 0.0003 |
| 90-R45-130-135 | 0.0004 |
| 90-R45-135-140 | 0.0009 |
| 90-R45-140-145 | <0.0002 |
| 90-R45-145-150 | 0.0005 |

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**Work Order #** 13037

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V6E 2K3

**File #** 13037m

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R45-150-155 | 0.0004 |
| 90-R45-155-160 | <0.0002 |
| 90-R45-160-165 | <0.0002 |
| 90-R45-165-170 | 0.0005 |
| 90-R45-170-175 | 0.0002 |
| 90-R45-175-180 | 0.0004 |
| 90-R45-180-185 | 0.0024 |
| 90-R45-185-190 | 0.0004 |
| 90-R45-190-195 | 0.0002 |
| 90-R45-195-200 | 0.0004 |
| 90-R45-200-205 | 0.0003 |
| 90-R45-205-210 | <0.0002 |
| 90-R45-210-215 | 0.0003 |
| 90-R45-215-220 | 0.0002 |
| 90-R45-220-225 | 0.0003 |
| 90-R45-225-230 | 0.0003 |
| 90-R45-230-235 | <0.0002 |
| 90-R45-235-240 | <0.0002 |
| 90-R45-240-245 | missing |
| 90-R45-245-250 | <0.0002 |
| 90-R45-250-255 | <0.0002 |
| 90-R45-255-260 | <0.0002 |
| 90-R45-260-265 | <0.0002 |
| 90-R45-265-270 | <0.0002 |
| 90-R45-270-275 | <0.0002 |
| 90-R45-275-280 | <0.0002 |
| 90-R45-280-285 | <0.0002 |
| 90-R45-285-290 | <0.0002 |
| 90-R45-290-295 | 0.0002 |
| 90-R45-295-300 | 0.0009 |

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**File #** 13037n

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R45-300-305 | <0.0002 |
| 90-R45-305-310 | <0.0002 |
| 90-R45-310-315 | 0.0002 |
| 90-R45-315-320 | <0.0002 |
| 90-R45-320-325 | <0.0002 |
| 90-R45-325-330 | <0.0002 |
| 90-R45-330-335 | <0.0002 |
| 90-R45-335-340 | 0.0002 |
| 90-R45-340-345 | <0.0002 |
| 90-R45-345-350 | <0.0002 |

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**Work Order #** 13038

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V6E 2K3

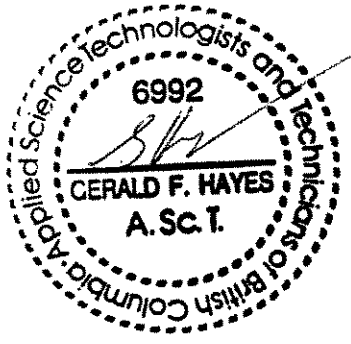
**File #** 13038a

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R46-0-5 | <0.0002 |
| 90-R46-5-10 | <0.0002 |
| 90-R46-10-15 | <0.0002 |
| 90-R46-15-20 | <0.0002 |
| 90-R46-20-25 | <0.0002 |
| 90-R46-25-30 | <0.0002 |
| 90-R46-30-35 | <0.0002 |
| 90-R46-35-40 | <0.0002 |
| 90-R46-40-45 | <0.0002 |
| 90-R46-45-50 | <0.0002 |
| 90-R46-50-55 | 0.0003 |
| 90-R46-55-60 | <0.0002 |
| 90-R46-60-65 | <0.0002 |
| 90-R46-65-70 | <0.0002 |
| 90-R46-70-75 | <0.0002 |
| 90-R46-75-80 | <0.0002 |
| 90-R46-80-85 | <0.0002 |
| 90-R46-85-90 | 0.0009 |
| 90-R46-90-95 | <0.0002 |
| 90-R46-95-100 | <0.0002 |
| 90-R46-100-105 | <0.0002 |
| 90-R46-105-110 | <0.0002 |
| 90-R46-110-115 | <0.0002 |
| 90-R46-115-120 | 0.0003 |
| 90-R46-120-125 | <0.0002 |
| 90-R46-125-130 | <0.0002 |
| 90-R46-130-135 | <0.0002 |
| 90-R46-135-140 | <0.0002 |
| 90-R46-140-145 | <0.0002 |
| 90-R46-145-150 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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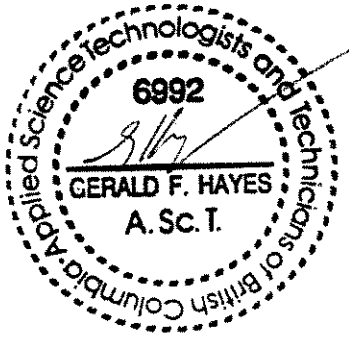
**File #** 13038b

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R46-150-155 | <0.0002 |
| 90-R46-155-160 | <0.0002 |
| 90-R46-160-165 | <0.0002 |
| 90-R46-165-170 | <0.0002 |
| 90-R46-170-175 | <0.0002 |
| 90-R46-175-180 | 0.0002 |
| 90-R46-180-185 | <0.0002 |
| 90-R46-185-190 | 0.0004 |
| 90-R46-190-195 | <0.0002 |
| 90-R46-195-200 | 0.0007 |
| 90-R46-200-205 | <0.0002 |
| 90-R46-205-210 | <0.0002 |
| 90-R46-210-215 | <0.0002 |
| 90-R46-215-220 | <0.0002 |
| 90-R46-220-225 | <0.0002 |
| 90-R46-225-230 | <0.0002 |
| 90-R46-230-235 | <0.0002 |
| 90-R46-235-240 | <0.0002 |
| 90-R46-240-245 | <0.0002 |
| 90-R46-245-250 | <0.0002 |
| 90-R46-250-255 | 0.0008 |
| 90-R46-255-260 | <0.0002 |
| 90-R46-260-265 | <0.0002 |
| 90-R46-265-270 | <0.0002 |
| 90-R46-270-275 | <0.0002 |
| 90-R46-275-280 | <0.0002 |
| 90-R46-280-285 | 0.0010 |
| 90-R46-285-290 | <0.0002 |
| 90-R46-290-295 | <0.0002 |
| 90-R46-295-300 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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**File #** 13038c

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R46-300-305 | <0.0002 |
| 90-R46-305-310 | <0.0002 |
| 90-R46-310-315 | <0.0002 |
| 90-R46-315-320 | 0.0058 |
| 90-R46-320-325 | <0.0002 |
| 90-R46-325-330 | <0.0002 |
| 90-R46-330-335 | <0.0002 |
| 90-R46-335-340 | <0.0002 |
| 90-R46-340-345 | <0.0002 |
| 90-R46-345-350 | <0.0002 |
| 90-R46-350-355 | <0.0002 |
| 90-R46-355-360 | <0.0002 |
| 90-R46-360-365 | <0.0002 |
| 90-R46-365-370 | <0.0002 |
| 90-R46-370-375 | <0.0002 |
| 90-R46-375-380 | <0.0002 |
| 90-R46-380-385 | <0.0002 |
| 90-R46-385-390 | 0.0004 |
| 90-R46-390-395 | <0.0002 |
| 90-R46-395-400 | <0.0002 |
| 90-R46-400-405 | <0.0002 |
| 90-R46-405-410 | <0.0002 |
| 90-R46-410-415 | <0.0002 |
| 90-R46-415-420 | <0.0002 |
| 90-R46-420-425 | 0.0024 |
| 90-R46-425-430 | 0.0015 |
| 90-R46-430-435 | <0.0002 |
| 90-R46-435-440 | 0.0003 |
| 90-R46-440-445 | <0.0002 |
| 90-R46-445-450 | 0.0002 |

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**Work Order #** 13038

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13038d

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R46-450-455 | 0.0004 |
| 90-R46-455-460 | 0.0014 |
| 90-R46-460-465 | 0.0049 |
| 90-R46-465-470 | 0.0005 |
| 90-R46-470-475 | 0.0007 |
| 90-R46-475-480 | 0.0027 |
| 90-R46-480-485 | <0.0002 |
| 90-R46-485-490 | <0.0002 |
| 90-R46-490-495 | <0.0002 |
| 90-R46-495-500 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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GERALD F. HAYES
A.Sc.T.

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

December 19,1990

**Work Order #** 13038

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13038e

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R47-0-5 | <0.0002 |
| 90-R47-5-10 | <0.0002 |
| 90-R47-10-15 | <0.0002 |
| 90-R47-15-20 | <0.0002 |
| 90-R47-20-25 | <0.0002 |
| 90-R47-25-30 | <0.0002 |
| 90-R47-30-35 | <0.0002 |
| 90-R47-35-40 | <0.0002 |
| 90-R47-40-45 | <0.0002 |
| 90-R47-45-50 | <0.0002 |
| 90-R47-50-55 | <0.0002 |
| 90-R47-55-60 | 0.0004 |
| 90-R47-60-65 | 0.0002 |
| 90-R47-65-70 | <0.0002 |
| 90-R47-70-75 | <0.0002 |
| 90-R47-75-80 | <0.0002 |
| 90-R47-80-85 | 0.0003 |
| 90-R47-85-90 | <0.0002 |
| 90-R47-90-95 | 0.0003 |
| 90-R47-95-100 | <0.0002 |
| 90-R47-100-105 | <0.0002 |
| 90-R47-105-110 | 0.0008 |
| 90-R47-110-115 | <0.0002 |
| 90-R47-115-120 | <0.0002 |
| 90-R47-120-125 | <0.0002 |
| 90-R47-125-130 | <0.0002 |
| 90-R47-130-135 | <0.0002 |
| 90-R47-135-140 | <0.0002 |
| 90-R47-140-145 | 0.0004 |
| 90-R47-145-150 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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December 19,1990

**Work Order #** 13038

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13038f

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R47-150-155 | <0.0002 |
| 90-R47-155-160 | <0.0002 |
| 90-R47-160-165 | <0.0002 |
| 90-R47-165-170 | <0.0002 |
| 90-R47-170-175 | 0.0004 |
| 90-R47-175-180 | 0.0024 |
| 90-R47-180-185 | 0.0075 |
| 90-R47-185-190 | 0.0011 |
| 90-R47-190-195 | <0.0002 |
| 90-R47-195-200 | <0.0002 |
| 90-R47-200-205 | 0.0128 |
| 90-R47-205-210 | 0.0391 |
| 90-R47-210-215 | 0.0170 |
| 90-R47-215-220 | 0.0068 |
| 90-R47-220-225 | 0.0180 |
| 90-R47-225-230 | 0.0392 |
| 90-R47-230-235 | 0.0239 |
| 90-R47-235-240 | 0.0011 |
| 90-R47-240-245 | 0.0033 |
| 90-R47-245-250 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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Northern Analytical Laboratories ltd.

December 19,19901

**Work Order #** 13038

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13038g

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R48-0-5 | <0.0002 |
| 90-R48-5-10 | <0.0002 |
| 90-R48-10-15 | <0.0002 |
| 90-R48-15-20 | <0.0002 |
| 90-R48-20-25 | <0.0002 |
| 90-R48-25-30 | <0.0002 |
| 90-R48-30-35 | <0.0002 |
| 90-R48-35-40 | <0.0002 |
| 90-R48-40-45 | <0.0002 |
| 90-R48-45-50 | <0.0002 |
| 90-R48-50-55 | <0.0002 |
| 90-R48-55-60 | <0.0002 |
| 90-R48-60-65 | <0.0002 |
| 90-R48-65-70 | <0.0002 |
| 90-R48-70-75 | 0.0002 |
| 90-R48-75-80 | <0.0002 |
| 90-R48-80-85 | <0.0002 |
| 90-R48-85-90 | <0.0002 |
| 90-R48-90-95 | <0.0002 |
| 90-R48-95-100 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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Northern Analytical Laboratories ltd.

December 19,1990

**Work Order #** 13038

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13038h

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R49-0-5 | <0.0002 |
| 90-R49-5-10 | <0.0002 |
| 90-R49-10-15 | <0.0002 |
| 90-R49-15-20 | <0.0002 |
| 90-R49-20-25 | <0.0002 |
| 90-R49-25-30 | <0.0002 |
| 90-R49-30-35 | <0.0002 |
| 90-R49-35-40 | <0.0002 |
| 90-R49-40-45 | <0.0002 |
| 90-R49-45-50 | <0.0002 |
| 90-R49-50-55 | <0.0002 |
| 90-R49-55-60 | 0.0002 |
| 90-R49-60-65 | <0.0002 |
| 90-R49-65-70 | <0.0002 |
| 90-R49-70-75 | <0.0002 |
| 90-R49-75-80 | <0.0002 |
| 90-R49-80-85 | <0.0002 |
| 90-R49-85-90 | <0.0002 |
| 90-R49-90-95 | <0.0002 |
| 90-R49-95-100 | <0.0002 |

Au -- 1AT Fire Assay/AAS

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Northern Analytical Laboratories ltd.

December 20,1990

**Work Order #** 13038

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

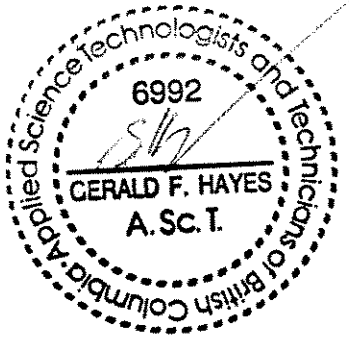
**File #** 13038i

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | oz/t Au |
|---|---|
| 90-R50-0-5 | <0.0002 |
| 90-R50-5-10 | <0.0002 |
| 90-R50-10-15 | <0.0002 |
| 90-R50-15-20 | 0.0004 |
| 90-R50-20-25 | 0.0005 |
| 90-R50-25-30 | 0.0003 |
| 90-R50-30-35 | 0.0002 |
| 90-R50-35-40 | 0.0004 |
| 90-R50-40-45 | 0.0004 |
| 90-R50-45-50 | 0.0006 |
| 90-R50-50-55 | <0.0002 |
| 90-R50-55-60 | <0.0002 |
| 90-R50-60-65 | <0.0002 |
| 90-R50-65-70 | <0.0002 |
| 90-R50-70-75 | 0.0002 |
| 90-R50-75-80 | <0.0002 |
| 90-R50-80-85 | 0.0004 |
| 90-R50-85-90 | 0.0003 |
| 90-R50-90-95 | 0.0003 |
| 90-R50-95-100 | 0.0004 |
| 90-R50-100-105 | 0.0002 |
| 90-R50-105-110 | 0.0004 |
| 90-R50-110-115 | 0.0004 |

Au -- 1AT Fire Assay/AAS

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Northern Analytical Laboratories ltd.

November 5,1990

**Work Order #** 08495

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.

**File #** 08495e

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | mg +100 Au | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R2-20-25 | <0.002 | <0.002 | 0.035 | 0.032 |
| 90-R2-30-35 | 0.003 | <0.002 | <0.002 | <0.002 |
| 90-R2-35-40 | <0.002 | <0.002 | 0.002 | <0.002 |

Au -- Metallics Fire Assay

Applied Science Technologists and Technicians of British Columbia
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Northern Analytical Laboratories ltd.

November 7,1990

**Work Order #** 13006

**File #** 13006d

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | mg +100 Au | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R7-35-40 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R7-70-75 | <0.002 | <0.002 | 0.005 | 0.005 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

November 16,1990

**Work Order #** 13009

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13009h

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | +100 wt | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R7-155-160 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

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A.Sc.T

Northern Analytical Laboratories ltd.

December 3,1990

**Work Order #** 13024

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13024i

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | mg +100 Au | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R28-20-25 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R30-150-155 | <0.002 | <0.002 | 0.005 | 0.005 |
| 90-R30-205-210 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R30-260-265 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R30-355-360 | 0.431 | 0.052 | 0.034 | 0.085 |
| 90-R30-360-365 | 0.373 | 0.060 | 0.016 | 0.076 |
| 90-R30-365-370 | <0.002 | <0.002 | 0.008 | 0.008 |
| 90-R30-445-450 | <0.002 | <0.002 | 0.012 | 0.012 |
| 90-R30-450-455 | 0.015 | 0.002 | 0.025 | 0.027 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

December 13,1990

**Work Order #** 13032

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13032k

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | mg +100 Au | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R29-115-120 | 0.093 | 0.015 | 0.008 | 0.022 |
| 90-R29-315-320 | 0.002 | <0.002 | 0.007 | 0.007 |
| 90-R29-440-445 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R29-445-450 | <0.002 | <0.002 | <0.002 | <0.002 |
| 90-R32-50-55 | 0.304 | 0.046 | 0.105 | 0.142 |
| 90-R32-55-60 | 0.120 | 0.027 | 0.030 | 0.055 |
| 90-R34-5-10 | 0.008 | <0.002 | 0.017 | 0.017 |
| 90-R34-75-80 | <0.002 | <0.002 | <0.002 | <0.002 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

December 21,1990

**Work Order #** 13035

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13035i

**Sample :** Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | mg +100 Au | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R35-0-5 | 0.376 | 0.082 | 0.047 | 0.124 |
| 90-R35-5-10 | 0.132 | 0.025 | 0.016 | 0.039 |
| 90-R35-10-15 | 0.807 | 0.150 | 0.084 | 0.227 |
| 90-R35-15-20 | <0.002 | <0.002 | 0.015 | 0.014 |
| 90-R38-85-90 | <0.002 | <0.002 | 0.002 | 0.002 |

Au -- Metallics Fire Assay

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Northern Analytical Laboratories ltd.

December 21,1990

**Work Order #** 13038

Arbor Resources
1000 - 675 W. Hastings St.
Vancouver, B.C.
V6E 2K3

**File #** 13038j

**Sample** : Perc. Cuttings

## Assay Certificate for Samples Provided

| Sample | mg +100 Au | +100 Au | -100 Au | oz/t Au |
|---|---|---|---|---|
| 90-R47-200-205 | 0.002 | <0.002 | 0.012 | 0.012 |
| 90-R47-205-210 | 0.002 | <0.002 | 0.051 | 0.050 |
| 90-R47-210-215 | 0.011 | 0.002 | 0.028 | 0.029 |
| 90-R47-215-220 | 0.010 | 0.002 | 0.013 | 0.014 |
| 90-R47-220-225 | 0.011 | 0.002 | 0.028 | 0.028 |
| 90-R47-225-230 | 0.039 | 0.007 | 0.026 | 0.033 |
| 90-R47-230-235 | 0.013 | 0.002 | 0.030 | 0.031 |

Au -- Metallics Fire Assay

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ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

**Northern Analytical Labs. Ltd.** PROJECT WO#08495 File # 90-5731

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R1 0-5 | 3 | 17 | 39 | 53 | .2 | 6 | 4 | 186 | 1.13 | 14 | 5 | ND | 13 | 18 | .2 | 3 | 2 | 6 | .17 | .036 | 23 | 28 | .47 | 251 | .03 | 4 | .65 | .02 | .23 | 1 |
| 90R1 5-10 | 2 | 24 | 46 | 66 | .3 | 6 | 4 | 167 | 1.02 | 4 | 5 | ND | 14 | 16 | .2 | 2 | 2 | 4 | .16 | .035 | 17 | 20 | .70 | 195 | .04 | 4 | .68 | .01 | .30 | 1 |
| 90R1 10-15 | 3 | 15 | 39 | 62 | .2 | 7 | 4 | 220 | 1.11 | 6 | 5 | ND | 15 | 18 | .2 | 3 | 2 | 4 | .14 | .033 | 16 | 30 | .83 | 370 | .05 | 3 | .80 | .02 | .41 | 1 |
| 90R1 15-20 | 2 | 14 | 37 | 52 | .2 | 5 | 4 | 284 | 1.00 | 2 | 5 | ND | 13 | 52 | .2 | 2 | 2 | 3 | .47 | .031 | 12 | 22 | .73 | 355 | .04 | 5 | .69 | .01 | .39 | 2 |
| 90R1 20-25 | 2 | 15 | 27 | 42 | .2 | 5 | 5 | 406 | .77 | 8 | 5 | ND | 14 | 123 | .2 | 2 | 2 | 2 | 1.02 | .036 | 12 | 25 | .44 | 728 | .02 | 5 | .53 | .01 | .32 | 2 |
| 90R1 25-30 | 2 | 9 | 33 | 38 | .5 | 4 | 4 | 332 | .81 | 3 | 5 | ND | 15 | 62 | .3 | 2 | 2 | 2 | .59 | .035 | 14 | 24 | .37 | 211 | .01 | 4 | .51 | .01 | .25 | 1 |
| 90R1 30-35 | 6 | 40 | 70 | 56 | .4 | 5 | 4 | 332 | .81 | 5 | 5 | ND | 12 | 12 | .3 | 2 | 2 | 2 | .11 | .020 | 19 | 61 | .31 | 210 | .01 | 2 | .45 | .01 | .22 | 1 |
| 90R1 35-40 | 2 | 22 | 42 | 89 | .6 | 4 | 4 | 390 | .98 | 9 | 5 | ND | 15 | 14 | .4 | 2 | 2 | 2 | .14 | .035 | 19 | 16 | .56 | 215 | .01 | 4 | .66 | .01 | .24 | 1 |
| 90R1 40-45 | 3 | 15 | 31 | 49 | 1.0 | 4 | 4 | 282 | .86 | 2 | 5 | ND | 12 | 52 | .2 | 2 | 2 | 2 | .39 | .029 | 14 | 34 | .46 | 155 | .01 | 4 | .49 | .01 | .21 | 1 |
| 90R1 45-50 | 2 | 16 | 52 | 56 | .4 | 4 | 5 | 250 | .92 | 6 | 5 | ND | 13 | 90 | .2 | 2 | 2 | 2 | .58 | .031 | 13 | 20 | .65 | 359 | .01 | 2 | .59 | .01 | .28 | 1 |
| 90R1 50-55 | 3 | 8 | 30 | 42 | .2 | 4 | 5 | 267 | .81 | 2 | 5 | ND | 14 | 101 | .2 | 2 | 2 | 3 | .56 | .032 | 14 | 40 | .59 | 996 | .02 | 5 | .64 | .01 | .32 | 1 |
| 90R1 55-60 | 4 | 13 | 45 | 52 | .3 | 4 | 4 | 245 | .92 | 4 | 5 | ND | 14 | 34 | .2 | 2 | 2 | 3 | .25 | .033 | 14 | 32 | .64 | 283 | .02 | 3 | .67 | .01 | .31 | 1 |
| 90R1 60-65 | 2 | 20 | 51 | 63 | .2 | 6 | 4 | 348 | 1.05 | 5 | 5 | ND | 15 | 24 | .2 | 2 | 2 | 3 | .18 | .034 | 18 | 18 | .65 | 223 | .02 | 3 | .67 | .01 | .24 | 1 |
| 90R1 65-70 | 2 | 11 | 36 | 62 | .3 | 3 | 3 | 311 | .82 | 2 | 5 | ND | 14 | 27 | .2 | 2 | 2 | 2 | .19 | .031 | 20 | 18 | .48 | 181 | .01 | 3 | .57 | .02 | .24 | 1 |
| 90R1 70-75 | 3 | 11 | 39 | 66 | .3 | 4 | 4 | 219 | .81 | 2 | 5 | ND | 14 | 25 | .2 | 2 | 2 | 2 | .19 | .030 | 20 | 34 | .37 | 176 | .02 | 3 | .55 | .02 | .27 | 1 |
| 90R1 75-80 | 1 | 7 | 27 | 34 | .2 | 3 | 2 | 173 | .69 | 3 | 5 | ND | 16 | 13 | .2 | 2 | 2 | 3 | .09 | .027 | 34 | 17 | .30 | 112 | .01 | 3 | .45 | .01 | .16 | 1 |
| 90R1 80-85 | 2 | 10 | 31 | 43 | .1 | 4 | 3 | 248 | 1.04 | 4 | 5 | ND | 17 | 42 | .2 | 2 | 2 | 4 | .30 | .034 | 40 | 21 | .42 | 138 | .02 | 3 | .61 | .02 | .26 | 1 |
| 90R1 85-90 | 1 | 14 | 26 | 57 | .1 | 6 | 5 | 298 | 1.49 | 26 | 5 | ND | 16 | 21 | .2 | 2 | 2 | 8 | .18 | .041 | 39 | 22 | .60 | 145 | .03 | 4 | .81 | .02 | .34 | 1 |
| 90R1 90-95 | 2 | 14 | 27 | 70 | .2 | 11 | 6 | 424 | 2.02 | 24 | 5 | ND | 14 | 24 | .2 | 2 | 2 | 13 | .20 | .049 | 37 | 36 | .88 | 166 | .04 | 2 | 1.08 | .02 | .43 | 1 |
| 90R1 95-100 | 2 | 8 | 32 | 46 | .1 | 6 | 4 | 442 | 1.30 | 12 | 5 | ND | 17 | 19 | .2 | 2 | 2 | 6 | .15 | .037 | 43 | 25 | .50 | 161 | .03 | 3 | .73 | .02 | .32 | 1 |
| STANDARD C | 18 | 57 | 39 | 130 | 7.0 | 73 | 31 | 1053 | 3.97 | 37 | 23 | 7 | 40 | 56 | 19.7 | 14 | 18 | 58 | .46 | .094 | 39 | 59 | .89 | 183 | .07 | 34 | 1.90 | .06 | .14 | 13 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PULP

**DATE RECEIVED:** NOV 5 1990 **DATE REPORT MAILED:** Nov 7/90 **SIGNED BY**.....C. Leong.D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

**Northern Analytical Labs. Ltd.** PROJECT WO#08495 File # 90-5732

105 Copper Road, Whitehorse YT Y1A 227

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R2 0-5 | 4 | 29 | 52 | 48 | .2 | 7 | 4 | 207 | 1.19 | 11 | 5 | ND | 14 | 18 | .2 | 2 | 2 | 4 | .14 | .029 | 24 | 39 | .36 | 272 | .03 | 2 | .56 | .01 | .24 | 2 |
| 90R2 5-10 | 2 | 12 | 30 | 60 | .1 | 8 | 3 | 123 | 1.28 | 9 | 5 | ND | 17 | 17 | .2 | 2 | 2 | 4 | .12 | .033 | 31 | 19 | .50 | 140 | .07 | 2 | .66 | .01 | .37 | 1 |
| 90R2 10-15 | 2 | 13 | 32 | 50 | .2 | 8 | 3 | 181 | 1.19 | 6 | 7 | ND | 16 | 46 | .2 | 2 | 2 | 3 | .26 | .028 | 22 | 25 | .52 | 179 | .06 | 2 | .67 | .02 | .42 | 2 |
| 90R2 15-20 | 3 | 29 | 40 | 63 | .2 | 5 | 3 | 103 | 1.05 | 7 | 5 | ND | 18 | 21 | .3 | 2 | 2 | 3 | .13 | .025 | 28 | 29 | .37 | 165 | .04 | 3 | .58 | .01 | .34 | 1 |
| 90R2 20-25 | 3 | 44 | 38 | 73 | .1 | 4 | 3 | 88 | 1.11 | 6 | 5 | ND | 17 | 15 | .4 | 2 | 2 | 3 | .10 | .026 | 30 | 35 | .37 | 185 | .04 | 3 | .63 | .02 | .38 | 2 |
| 90R2 25-30 | 3 | 92 | 48 | 125 | .4 | 5 | 3 | 98 | 1.13 | 9 | 8 | ND | 17 | 18 | 1.5 | 2 | 2 | 3 | .11 | .030 | 34 | 24 | .38 | 162 | .04 | 2 | .59 | .01 | .34 | 1 |
| 90R2 30-35 | 2 | 14 | 30 | 57 | .2 | 5 | 3 | 164 | 1.40 | 7 | 5 | ND | 17 | 21 | .2 | 2 | 2 | 4 | .12 | .033 | 36 | 26 | .59 | 189 | .08 | 2 | .85 | .02 | .48 | 1 |
| 90R2 35-40 | 2 | 16 | 32 | 59 | .2 | 5 | 3 | 217 | 1.39 | 8 | 5 | ND | 18 | 22 | .2 | 2 | 2 | 5 | .13 | .035 | 37 | 21 | .58 | 162 | .08 | 2 | .82 | .01 | .46 | 1 |
| 90R2 40-45 | 4 | 12 | 28 | 50 | .2 | 6 | 3 | 195 | 1.41 | 10 | 6 | ND | 17 | 25 | .2 | 2 | 2 | 4 | .15 | .031 | 32 | 37 | .60 | 210 | .08 | 2 | .82 | .02 | .48 | 2 |
| 90R2 45-50 | 4 | 12 | 34 | 61 | .1 | 5 | 4 | 199 | 1.54 | 3 | 9 | ND | 17 | 28 | .6 | 2 | 2 | 5 | .18 | .034 | 31 | 27 | .65 | 235 | .07 | 3 | .87 | .02 | .48 | 1 |
| 90R2 50-55 | 2 | 14 | 26 | 72 | .1 | 6 | 4 | 162 | 1.51 | 10 | 5 | ND | 15 | 23 | .3 | 2 | 2 | 4 | .13 | .033 | 28 | 20 | .48 | 203 | .03 | 2 | .75 | .02 | .27 | 1 |
| 90R2 55-60 | 2 | 10 | 26 | 62 | .1 | 4 | 4 | 168 | 1.37 | 7 | 5 | ND | 15 | 23 | .3 | 2 | 2 | 4 | .14 | .032 | 25 | 14 | .55 | 160 | .04 | 2 | .75 | .01 | .29 | 1 |
| 90R2 60-65 | 1 | 13 | 26 | 54 | .1 | 4 | 4 | 168 | 1.37 | 7 | 5 | ND | 16 | 24 | .2 | 2 | 2 | 4 | .13 | .032 | 34 | 16 | .57 | 164 | .04 | 2 | .78 | .01 | .31 | 1 |
| 90R2 65-70 | 2 | 14 | 23 | 52 | .2 | 5 | 4 | 180 | 1.27 | 7 | 5 | ND | 14 | 23 | .2 | 2 | 2 | 4 | .14 | .033 | 30 | 15 | .52 | 160 | .03 | 2 | .71 | .01 | .26 | 2 |
| 90R2 70-75 | 2 | 7 | 20 | 59 | .1 | 5 | 3 | 178 | 1.19 | 4 | 5 | ND | 9 | 21 | .4 | 2 | 2 | 3 | .13 | .028 | 23 | 18 | .58 | 129 | .03 | 4 | .71 | .01 | .24 | 1 |
| 90R2 75-80 | 1 | 13 | 22 | 66 | .1 | 5 | 4 | 171 | 1.45 | 17 | 5 | ND | 12 | 22 | .2 | 2 | 2 | 4 | .13 | .029 | 30 | 17 | .61 | 119 | .01 | 2 | .79 | .01 | .16 | 1 |
| 90R2 80-85 | 1 | 15 | 26 | 63 | .1 | 4 | 3 | 152 | 1.46 | 16 | 5 | ND | 12 | 21 | .2 | 2 | 2 | 4 | .11 | .029 | 30 | 15 | .63 | 117 | .01 | 2 | .78 | .01 | .16 | 1 |
| 90R2 85-90 | 1 | 10 | 20 | 72 | .1 | 6 | 3 | 128 | 1.26 | 15 | 5 | ND | 10 | 26 | .2 | 2 | 2 | 3 | .13 | .029 | 28 | 19 | .55 | 106 | .01 | 3 | .72 | .01 | .17 | 1 |
| 90R2 90-95 | 2 | 7 | 21 | 52 | .1 | 3 | 4 | 133 | 1.20 | 6 | 5 | ND | 13 | 21 | .2 | 2 | 2 | 3 | .11 | .029 | 31 | 12 | .54 | 104 | .02 | 3 | .68 | .01 | .19 | 1 |
| 90R2 95-100 | 2 | 7 | 24 | 51 | .1 | 3 | 3 | 166 | 1.23 | 3 | 5 | ND | 13 | 21 | .2 | 2 | 2 | 4 | .11 | .031 | 30 | 11 | .59 | 112 | .04 | 2 | .69 | .01 | .27 | 1 |
| STANDARD C | 17 | 57 | 36 | 131 | 6.5 | 69 | 31 | 1050 | 3.95 | 36 | 18 | 7 | 38 | 53 | 18.3 | 18 | 20 | 55 | .45 | .091 | 37 | 55 | .92 | 181 | .08 | 34 | 1.91 | .06 | .14 | 13 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PULP

**DATE RECEIVED:** NOV 5 1990 **DATE REPORT MAILED:** Nov 7/90. **SIGNED BY.** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Analytical Labs. Ltd. PROJECT WO#08495 File # 90-5733

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R3 0-5 | 3 | 11 | 23 | 39 | .1 | 5 | 6 | 174 | 1.23 | 23 | 5 | ND | 11 | 17 | .2 | 2 | 2 | 5 | .13 | .033 | 21 | 31 | .30 | 321 | .02 | 2 | .51 | .01 | .19 | 1 |
| 90R3 5-10 | 2 | 7 | 23 | 22 | .1 | 4 | 3 | 98 | .62 | 8 | 5 | ND | 12 | 10 | .2 | 2 | 2 | 3 | .07 | .019 | 28 | 25 | .14 | 185 | .01 | 2 | .32 | .01 | .14 | 1 |
| 90R3 10-15 | 2 | 4 | 21 | 12 | .1 | 3 | 1 | 36 | .27 | 7 | 5 | ND | 13 | 6 | .2 | 2 | 2 | 1 | .03 | .010 | 33 | 24 | .05 | 151 | .01 | 2 | .19 | .01 | .13 | 1 |
| 90R3 15-20 | 2 | 6 | 24 | 10 | .1 | 3 | 2 | 39 | .28 | 6 | 5 | ND | 15 | 6 | .2 | 2 | 2 | 1 | .06 | .024 | 36 | 25 | .04 | 155 | .01 | 2 | .20 | .01 | .15 | 1 |
| 90R3 20-25 | 3 | 10 | 28 | 10 | .1 | 2 | 2 | 36 | .28 | 8 | 5 | ND | 16 | 8 | .2 | 2 | 2 | 1 | .10 | .033 | 35 | 31 | .03 | 189 | .01 | 2 | .26 | .01 | .22 | 1 |
| 90R3 25-30 | 2 | 8 | 26 | 11 | .1 | 2 | 2 | 124 | .28 | 4 | 5 | ND | 16 | 65 | .2 | 2 | 2 | 1 | .72 | .032 | 42 | 25 | .03 | 225 | .01 | 4 | .29 | .02 | .26 | 1 |
| 90R3 30-35 | 2 | 8 | 38 | 16 | .3 | 3 | 3 | 115 | .42 | 9 | 5 | ND | 18 | 29 | .2 | 2 | 2 | 2 | .32 | .034 | 46 | 20 | .06 | 215 | .01 | 7 | .32 | .01 | .23 | 1 |
| 90R3 35-40 | 2 | 7 | 24 | 10 | .1 | 2 | 2 | 158 | .31 | 8 | 5 | ND | 15 | 75 | .2 | 2 | 2 | 1 | .87 | .023 | 39 | 20 | .05 | 186 | .01 | 2 | .26 | .01 | .21 | 1 |
| 90R3 40-45 | 2 | 8 | 22 | 14 | .1 | 2 | 1 | 51 | .33 | 7 | 5 | ND | 15 | 13 | .2 | 2 | 2 | 1 | .12 | .020 | 38 | 24 | .06 | 193 | .01 | 2 | .28 | .02 | .20 | 1 |
| 90R3 45-50 | 2 | 7 | 30 | 13 | .1 | 3 | 2 | 80 | .37 | 10 | 5 | ND | 16 | 17 | .2 | 2 | 2 | 1 | .18 | .030 | 41 | 25 | .06 | 193 | .01 | 2 | .29 | .01 | .21 | 1 |
| 90R3 50-55 | 2 | 5 | 24 | 11 | .1 | 3 | 2 | 196 | .32 | 7 | 5 | ND | 16 | 74 | .2 | 2 | 2 | 1 | .75 | .026 | 42 | 22 | .06 | 220 | .01 | 4 | .31 | .02 | .24 | 1 |
| 90R3 55-60 | 3 | 5 | 25 | 13 | .1 | 2 | 2 | 172 | .37 | 11 | 5 | ND | 13 | 33 | .2 | 2 | 2 | 2 | .34 | .029 | 37 | 30 | .06 | 191 | .01 | 2 | .30 | .02 | .22 | 1 |
| 90R3 60-65 | 2 | 5 | 28 | 13 | .1 | 2 | 2 | 308 | .33 | 10 | 5 | ND | 13 | 18 | .2 | 2 | 2 | 1 | .19 | .030 | 32 | 20 | .05 | 152 | .01 | 2 | .25 | .01 | .17 | 1 |
| 90R3 65-70 | 1 | 4 | 20 | 12 | .2 | 2 | 2 | 232 | .32 | 6 | 5 | ND | 13 | 54 | .2 | 2 | 2 | 1 | .61 | .028 | 32 | 17 | .05 | 159 | .01 | 2 | .25 | .01 | .18 | 1 |
| 90R3 70-75 | 2 | 3 | 18 | 12 | .2 | 2 | 2 | 132 | .34 | 2 | 5 | ND | 12 | 17 | .2 | 2 | 2 | 1 | .18 | .020 | 34 | 19 | .08 | 155 | .01 | 2 | .27 | .01 | .18 | 1 |
| 90R3 75-80 | 2 | 4 | 18 | 12 | .1 | 2 | 2 | 457 | .34 | 4 | 5 | ND | 11 | 72 | .3 | 2 | 2 | 1 | .79 | .024 | 28 | 22 | .07 | 203 | .01 | 2 | .30 | .02 | .23 | 1 |
| 90R3 80-85 | 3 | 7 | 31 | 17 | .2 | 2 | 3 | 1264 | .38 | 15 | 5 | ND | 11 | 74 | .5 | 2 | 2 | 1 | .74 | .026 | 27 | 21 | .08 | 226 | .01 | 2 | .31 | .02 | .22 | 1 |
| 90R3 85-90 | 6 | 8 | 50 | 24 | .1 | 4 | 5 | 2994 | .45 | 29 | 5 | ND | 12 | 53 | 1.2 | 2 | 2 | 1 | .46 | .028 | 33 | 27 | .07 | 256 | .01 | 2 | .30 | .02 | .21 | 1 |
| 90R3 90-95 | 3 | 5 | 26 | 15 | .1 | 2 | 3 | 1101 | .31 | 18 | 5 | ND | 11 | 45 | .5 | 2 | 2 | 1 | .45 | .022 | 31 | 17 | .06 | 167 | .01 | 2 | .23 | .01 | .16 | 1 |
| 90R3 95-100 | 3 | 4 | 23 | 11 | .1 | 2 | 2 | 417 | .32 | 13 | 5 | ND | 11 | 24 | .2 | 2 | 2 | 1 | .26 | .025 | 26 | 33 | .06 | 189 | .01 | 2 | .28 | .02 | .20 | 1 |
| STANDARD C | 18 | 58 | 37 | 129 | 6.8 | 73 | 32 | 1052 | 3.96 | 42 | 21 | 7 | 39 | 55 | 19.5 | 15 | 20 | 57 | .45 | .094 | 39 | 59 | .89 | 183 | .07 | 34 | 1.89 | .06 | .14 | 11 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
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- SAMPLE TYPE: PULP

**DATE RECEIVED:** NOV 5 1990 **DATE REPORT MAILED:** Nov 7/90. **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

**Northern Analytical Labs. Ltd.** PROJECT WO#08495 File # 90-5734

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R4 0-5 | 2 | 15 | 29 | 63 | .3 | 5 | 6 | 241 | 1.16 | 10 | 5 | ND | 13 | 17 | .5 | 2 | 2 | 5 | .16 | .035 | 20 | 24 | .57 | 199 | .02 | 5 | .68 | .01 | .22 | 1 |
| 90R4 5-10 | 3 | 7 | 38 | 45 | .3 | 6 | 3 | 118 | .75 | 6 | 5 | ND | 13 | 13 | .3 | 2 | 2 | 3 | .13 | .028 | 17 | 28 | .49 | 145 | .02 | 8 | .57 | .01 | .21 | 1 |
| 90R4 10-15 | 5 | 8 | 42 | 42 | .3 | 4 | 3 | 106 | .78 | 5 | 5 | ND | 10 | 13 | .2 | 2 | 2 | 3 | .13 | .033 | 16 | 55 | .45 | 126 | .01 | 8 | .55 | .01 | .18 | 1 |
| 90R4 15-20 | 3 | 10 | 22 | 58 | .3 | 5 | 5 | 132 | .96 | 6 | 5 | ND | 15 | 18 | .3 | 2 | 2 | 3 | .17 | .048 | 26 | 25 | .52 | 174 | .01 | 4 | .66 | .01 | .22 | 1 |
| 90R4 20-25 | 5 | 6 | 16 | 33 | .4 | 5 | 4 | 230 | .92 | 5 | 5 | ND | 14 | 10 | .4 | 2 | 3 | 3 | .10 | .019 | 26 | 51 | .41 | 194 | .01 | 6 | .54 | .01 | .21 | 2 |
| 90R4 25-30 | 3 | 7 | 15 | 33 | .5 | 4 | 4 | 290 | .77 | 4 | 5 | ND | 12 | 52 | .4 | 2 | 2 | 2 | .43 | .027 | 13 | 38 | .42 | 200 | .01 | 6 | .55 | .01 | .24 | 1 |
| 90R4 30-35 | 3 | 8 | 21 | 52 | .2 | 4 | 4 | 210 | .96 | 4 | 5 | ND | 14 | 22 | .3 | 2 | 2 | 3 | .18 | .030 | 19 | 33 | .59 | 179 | .01 | 2 | .74 | .01 | .29 | 1 |
| 90R4 35-40 | 2 | 7 | 59 | 44 | .6 | 2 | 5 | 569 | 1.40 | 7 | 5 | ND | 14 | 231 | .2 | 2 | 2 | 3 | 1.79 | .028 | 8 | 18 | .98 | 145 | .01 | 7 | .85 | .01 | .29 | 1 |
| 90R4 40-45 | 2 | 6 | 17 | 29 | .4 | 2 | 5 | 460 | 1.08 | 6 | 5 | ND | 13 | 187 | .8 | 2 | 2 | 3 | 1.34 | .033 | 11 | 24 | .71 | 186 | .01 | 4 | .74 | .01 | .28 | 1 |
| 90R4 45-50 | 4 | 9 | 20 | 39 | .4 | 5 | 4 | 233 | .77 | 5 | 5 | ND | 14 | 17 | .4 | 2 | 2 | 3 | .15 | .036 | 22 | 39 | .40 | 207 | .01 | 5 | .60 | .01 | .27 | 2 |
| 90R4 50-55 | 3 | 12 | 29 | 51 | .2 | 3 | 4 | 267 | .87 | 5 | 5 | ND | 14 | 17 | .6 | 2 | 2 | 3 | .15 | .032 | 21 | 36 | .51 | 249 | .02 | 4 | .66 | .01 | .28 | 1 |
| 90R4 55-60 | 2 | 8 | 31 | 46 | .2 | 6 | 4 | 255 | .95 | 5 | 5 | ND | 15 | 15 | .3 | 2 | 3 | 4 | .14 | .031 | 20 | 26 | .59 | 188 | .02 | 2 | .70 | .01 | .30 | 1 |
| 90R4 60-65 | 3 | 9 | 36 | 38 | .3 | 2 | 3 | 150 | .63 | 4 | 5 | ND | 15 | 13 | .2 | 2 | 2 | 2 | .10 | .028 | 28 | 33 | .27 | 204 | .01 | 6 | .51 | .02 | .26 | 1 |
| 90R4 65-70 | 2 | 8 | 49 | 39 | .3 | 4 | 3 | 148 | .59 | 4 | 5 | ND | 15 | 19 | .8 | 2 | 2 | 2 | .23 | .027 | 26 | 17 | .26 | 138 | .02 | 5 | .42 | .01 | .28 | 1 |
| 90R4 70-75 | 2 | 8 | 39 | 43 | .2 | 3 | 4 | 221 | .74 | 3 | 5 | ND | 15 | 28 | .9 | 2 | 2 | 2 | .35 | .030 | 29 | 15 | .30 | 127 | .02 | 6 | .44 | .01 | .25 | 1 |
| 90R4 75-80 | 1 | 12 | 1123 | 162 | 3.9 | 3 | 4 | 218 | .99 | 4 | 5 | ND | 16 | 16 | .9 | 2 | 2 | 4 | .12 | .032 | 36 | 12 | .41 | 127 | .04 | 8 | .55 | .02 | .30 | 1 |
| STANDARD C | 18 | 59 | 42 | 131 | 6.8 | 72 | 32 | 1056 | 3.98 | 44 | 20 | 7 | 38 | 53 | 18.8 | 14 | 19 | 56 | .46 | .096 | 38 | 59 | .90 | 182 | .07 | 35 | 1.89 | .06 | .14 | 11 |

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**DATE RECEIVED:** NOV 5 1990 **DATE REPORT MAILED:** Nov 8/90. **SIGNED BY.** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

[illegible] 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

**Northern Analytical Labs. Ltd.** PROJECT WO#13006 File # 90-5804

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R5 0-5 | 3 | 11 | 20 | 47 | .1 | 7 | 5 | 279 | 1.07 | 6 | 5 | ND | 12 | 17 | .3 | 2 | 2 | 5 | .16 | .038 | 20 | 24 | .47 | 160 | .02 | 2 | .59 | .01 | .19 | 1 |
| 90R5 5-10 | 3 | 10 | 20 | 41 | .6 | 5 | 4 | 301 | .83 | 4 | 5 | ND | 13 | 13 | .2 | 2 | 2 | 3 | .13 | .035 | 15 | 22 | .40 | 125 | .01 | 3 | .46 | .01 | .18 | 1 |
| 90R5 10-15 | 3 | 11 | 26 | 45 | .9 | 4 | 5 | 171 | .90 | 4 | 5 | ND | 14 | 14 | .2 | 2 | 2 | 3 | .13 | .031 | 18 | 31 | .41 | 144 | .01 | 4 | .54 | .01 | .21 | 1 |
| 90R5 15-20 | 2 | 24 | 22 | 36 | 2.7 | 5 | 6 | 430 | 1.11 | 2 | 5 | ND | 15 | 14 | .4 | 2 | 2 | 3 | .11 | .027 | 13 | 19 | .47 | 152 | .01 | 2 | .51 | .01 | .21 | 1 |
| 90R5 20-25 | 4 | 11 | 29 | 31 | .4 | 3 | 3 | 208 | .68 | 3 | 5 | ND | 13 | 13 | .2 | 2 | 2 | 2 | .10 | .030 | 22 | 42 | .28 | 164 | .01 | 2 | .48 | .01 | .23 | 1 |
| 90R5 25-30 | 3 | 10 | 31 | 35 | .3 | 1 | 3 | 77 | .56 | 4 | 5 | ND | 13 | 20 | .2 | 2 | 2 | 2 | .12 | .042 | 23 | 25 | .20 | 129 | .01 | 3 | .36 | .01 | .17 | 1 |
| 90R5 30-35 | 2 | 17 | 51 | 21 | .1 | 2 | 1 | 59 | .27 | 2 | 5 | ND | 17 | 8 | .2 | 2 | 2 | 1 | .06 | .021 | 29 | 20 | .11 | 94 | .01 | 3 | .24 | .01 | .14 | 1 |
| 90R5 35-40 | 3 | 8 | 35 | 22 | .2 | 1 | 2 | 72 | .35 | 3 | 5 | ND | 16 | 10 | .2 | 2 | 2 | 1 | .07 | .025 | 27 | 27 | .13 | 137 | .01 | 2 | .30 | .01 | .18 | 1 |
| 90R5 40-45 | 3 | 11 | 35 | 73 | .2 | 4 | 4 | 239 | 1.01 | 3 | 5 | ND | 16 | 19 | .2 | 2 | 2 | 3 | .13 | .037 | 25 | 24 | .47 | 216 | .01 | 2 | .69 | .01 | .22 | 1 |
| 90R5 45-50 | 2 | 8 | 40 | 40 | .2 | 3 | 2 | 178 | .53 | 2 | 5 | ND | 15 | 24 | .2 | 2 | 2 | 2 | .18 | .028 | 20 | 20 | .24 | 160 | .01 | 3 | .42 | .02 | .23 | 1 |
| 90R5 50-55 | 3 | 7 | 34 | 13 | .1 | 2 | 1 | 87 | .32 | 2 | 5 | ND | 19 | 9 | .2 | 2 | 2 | 1 | .07 | .014 | 35 | 28 | .15 | 136 | .01 | 2 | .30 | .02 | .19 | 1 |
| 90R5 55-60 | 2 | 7 | 34 | 24 | .2 | 1 | 3 | 130 | .65 | 2 | 5 | ND | 14 | 32 | .2 | 2 | 2 | 2 | .29 | .026 | 17 | 16 | .33 | 114 | .01 | 5 | .43 | .01 | .24 | 1 |
| 90R5 60-65 | 2 | 8 | 34 | 26 | .2 | 3 | 3 | 179 | .59 | 2 | 5 | ND | 14 | 13 | .2 | 2 | 2 | 2 | .09 | .029 | 24 | 18 | .23 | 132 | .01 | 2 | .39 | .01 | .20 | 1 |
| 90R5 65-70 | 2 | 6 | 30 | 24 | .1 | 1 | 2 | 182 | .52 | 2 | 5 | ND | 16 | 12 | .2 | 2 | 2 | 2 | .08 | .024 | 25 | 23 | .21 | 144 | .01 | 3 | .39 | .02 | .21 | 1 |
| 90R5 70-75 | 2 | 10 | 29 | 39 | .1 | 3 | 3 | 181 | .81 | 2 | 5 | ND | 16 | 13 | .2 | 2 | 2 | 3 | .09 | .031 | 30 | 15 | .33 | 108 | .01 | 2 | .49 | .01 | .22 | 1 |
| 90R5 75-80 | 2 | 6 | 32 | 34 | .1 | 3 | 4 | 212 | .97 | 2 | 5 | ND | 18 | 13 | .2 | 2 | 2 | 4 | .10 | .033 | 41 | 14 | .34 | 102 | .01 | 2 | .53 | .01 | .21 | 2 |
| 90R5 85-90 | 2 | 14 | 28 | 51 | .1 | 4 | 6 | 350 | 1.39 | 21 | 5 | ND | 14 | 68 | .2 | 2 | 2 | 8 | .61 | .040 | 35 | 20 | .59 | 110 | .03 | 2 | .76 | .02 | .39 | 1 |
| 90R5 90-95 | 3 | 10 | 23 | 36 | .1 | 4 | 4 | 327 | 1.07 | 13 | 5 | ND | 15 | 45 | .2 | 2 | 2 | 5 | .40 | .033 | 35 | 27 | .40 | 131 | .04 | 3 | .61 | .02 | .32 | 1 |
| 90R5 95-100 | 1 | 7 | 21 | 34 | .1 | 4 | 3 | 213 | 1.02 | 18 | 5 | ND | 17 | 51 | .2 | 2 | 2 | 4 | .41 | .032 | 44 | 12 | .34 | 104 | .03 | 2 | .56 | .02 | .26 | 1 |
| 90R5 100-105 | 2 | 9 | 27 | 30 | .1 | 3 | 4 | 268 | .92 | 13 | 5 | ND | 16 | 37 | .2 | 2 | 2 | 4 | .29 | .033 | 38 | 16 | .30 | 128 | .01 | 2 | .53 | .02 | .22 | 1 |
| 90R5 105-110 | 4 | 13 | 19 | 44 | .3 | 4 | 5 | 800 | 1.19 | 14 | 6 | ND | 15 | 45 | .3 | 2 | 2 | 6 | .31 | .036 | 37 | 34 | .45 | 175 | .03 | 2 | .64 | .01 | .27 | 1 |
| 90R5 110-115 | 2 | 8 | 27 | 44 | .2 | 4 | 5 | 540 | 1.09 | 15 | 6 | ND | 14 | 49 | .2 | 2 | 2 | 5 | .40 | .033 | 29 | 20 | .45 | 136 | .02 | 2 | .58 | .01 | .21 | 1 |
| 90R5 115-120 | 2 | 6 | 23 | 37 | .1 | 3 | 4 | 400 | 1.03 | 19 | 5 | ND | 14 | 93 | .2 | 2 | 2 | 4 | .81 | .034 | 35 | 18 | .43 | 105 | .03 | 2 | .57 | .01 | .28 | 1 |
| 90R5 120-125 | 2 | 8 | 22 | 37 | .1 | 3 | 4 | 326 | 1.05 | 9 | 5 | ND | 14 | 34 | .2 | 2 | 2 | 4 | .26 | .029 | 37 | 22 | .39 | 116 | .02 | 4 | .55 | .02 | .27 | 1 |
| STANDARD C | 18 | 58 | 38 | 132 | 7.1 | 72 | 32 | 1056 | 3.97 | 42 | 22 | 7 | 38 | 53 | 18.9 | 15 | 19 | 56 | .44 | .099 | 38 | 56 | .90 | 182 | .07 | 36 | 1.89 | .06 | .13 | 11 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
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- SAMPLE TYPE: PULP

**DATE RECEIVED:** NOV 7 1990 **DATE REPORT MAILED:** Nov 9/90 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Analytical Labs. Ltd. PROJECT WO#13009 File # 90-5925 Page 1

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R5 80-85 | 3 | 16 | 29 | 40 | .2 | 9 | 5 | 445 | 1.25 | 3 | 5 | ND | 10 | 86 | .2 | 2 | 2 | 7 | 1.01 | .039 | 31 | 34 | .76 | 163 | .03 | 12 | 1.03 | .01 | .36 | 1 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PULP

**DATE RECEIVED:** NOV 16 1990 **DATE REPORT MAILED:** Nov 23/90 **SIGNED BY** C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

**Northern Analytical Labs. Ltd.** PROJECT WO#13006 File # 90-5805

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R6 0-5 | 3 | 26 | 29 | 93 | .2 | 10 | 5 | 345 | 1.51 | 41 | 5 | ND | 15 | 15 | .2 | 2 | 2 | 8 | .15 | .033 | 32 | 40 | .37 | 261 | .02 | 3 | .80 | .02 | .22 | 1 |
| 90R6 5-10 | 3 | 22 | 29 | 73 | .1 | 9 | 6 | 434 | 1.28 | 21 | 5 | ND | 14 | 12 | .2 | 2 | 4 | 7 | .10 | .029 | 31 | 29 | .25 | 219 | .01 | 2 | .67 | .01 | .18 | 1 |
| 90R6 10-15 | 3 | 16 | 50 | 83 | .1 | 8 | 3 | 242 | .91 | 4 | 5 | ND | 15 | 10 | .2 | 2 | 3 | 4 | .08 | .026 | 27 | 31 | .28 | 182 | .01 | 2 | .53 | .01 | .21 | 1 |
| 90R6 15-20 | 3 | 34 | 115 | 124 | .1 | 4 | 2 | 132 | .74 | 6 | 5 | ND | 14 | 8 | .5 | 2 | 2 | 1 | .05 | .018 | 31 | 25 | .10 | 124 | .01 | 4 | .27 | .01 | .13 | 1 |
| 90R6 20-25 | 2 | 25 | 50 | 73 | .1 | 6 | 3 | 224 | .88 | 5 | 5 | ND | 15 | 11 | .2 | 2 | 2 | 3 | .10 | .032 | 32 | 22 | .18 | 189 | .01 | 4 | .42 | .01 | .20 | 1 |
| 90R6 25-30 | 2 | 17 | 26 | 67 | .1 | 7 | 4 | 338 | 1.26 | 4 | 5 | ND | 16 | 12 | .2 | 2 | 2 | 4 | .13 | .039 | 38 | 17 | .29 | 223 | .02 | 4 | .59 | .01 | .23 | 1 |
| 90R6 30-35 | 2 | 14 | 29 | 47 | .1 | 6 | 4 | 385 | 1.24 | 2 | 5 | ND | 15 | 40 | .2 | 2 | 2 | 3 | .77 | .038 | 36 | 27 | .30 | 189 | .02 | 2 | .56 | .01 | .22 | 2 |
| 90R6 35-40 | 3 | 9 | 32 | 51 | .1 | 5 | 4 | 336 | 1.45 | 2 | 5 | ND | 16 | 17 | .2 | 2 | 2 | 5 | .29 | .035 | 37 | 31 | .45 | 186 | .02 | 5 | .69 | .02 | .24 | 1 |
| 90R6 40-45 | 2 | 11 | 22 | 52 | .2 | 5 | 4 | 418 | 1.28 | 2 | 5 | ND | 15 | 14 | .2 | 2 | 4 | 4 | .16 | .038 | 26 | 20 | .58 | 134 | .03 | 2 | .64 | .01 | .24 | 1 |
| 90R6 45-50 | 2 | 13 | 24 | 48 | .1 | 6 | 4 | 331 | 1.25 | 3 | 5 | ND | 16 | 14 | .2 | 2 | 2 | 4 | .15 | .038 | 25 | 24 | .55 | 163 | .03 | 4 | .67 | .01 | .26 | 2 |
| 90R6 50-55 | 2 | 11 | 27 | 45 | .1 | 7 | 5 | 416 | 1.20 | 2 | 5 | ND | 14 | 15 | .2 | 2 | 4 | 3 | .18 | .036 | 23 | 24 | .59 | 175 | .01 | 2 | .66 | .01 | .24 | 1 |
| 90R6 55-60 | 3 | 9 | 19 | 36 | .2 | 5 | 4 | 352 | .97 | 2 | 5 | ND | 14 | 13 | .2 | 2 | 2 | 3 | .17 | .040 | 24 | 39 | .43 | 208 | .01 | 2 | .55 | .01 | .21 | 1 |
| 90R6 60-65 | 3 | 9 | 17 | 37 | .1 | 4 | 5 | 381 | .94 | 2 | 5 | ND | 14 | 13 | .2 | 2 | 2 | 3 | .14 | .041 | 22 | 30 | .45 | 196 | .01 | 2 | .53 | .01 | .21 | 1 |
| 90R6 65-70 | 3 | 10 | 22 | 45 | .1 | 6 | 4 | 353 | 1.07 | 4 | 7 | ND | 13 | 12 | .2 | 2 | 2 | 4 | .14 | .039 | 21 | 31 | .67 | 185 | .02 | 2 | .64 | .01 | .24 | 1 |
| 90R6 70-75 | 3 | 13 | 29 | 63 | .1 | 12 | 6 | 357 | 1.53 | 2 | 5 | ND | 10 | 17 | .2 | 2 | 2 | 7 | .16 | .040 | 19 | 44 | 1.09 | 154 | .03 | 3 | .91 | .01 | .30 | 1 |
| 90R6 75-80 | 5 | 12 | 17 | 55 | .3 | 11 | 5 | 375 | 1.41 | 4 | 5 | ND | 9 | 15 | .2 | 2 | 2 | 6 | .13 | .031 | 19 | 56 | .82 | 182 | .02 | 4 | .71 | .01 | .26 | 1 |
| 90R6 80-85 | 2 | 10 | 53 | 44 | .2 | 6 | 5 | 364 | 1.10 | 2 | 5 | ND | 12 | 14 | .2 | 2 | 2 | 4 | .13 | .035 | 21 | 26 | .68 | 164 | .02 | 2 | .61 | .01 | .24 | 1 |
| 90R6 85-90 | 3 | 8 | 20 | 40 | .4 | 4 | 4 | 437 | .97 | 2 | 5 | ND | 12 | 11 | .3 | 2 | 3 | 3 | .13 | .038 | 19 | 27 | .52 | 175 | .02 | 5 | .51 | .01 | .22 | 1 |
| 90R6 90-95 | 4 | 10 | 19 | 40 | .2 | 5 | 4 | 408 | 1.02 | 2 | 5 | ND | 13 | 11 | .2 | 2 | 5 | 3 | .12 | .033 | 21 | 39 | .50 | 260 | .02 | 2 | .56 | .01 | .26 | 1 |
| 90R6 95-100 | 4 | 9 | 21 | 41 | .1 | 6 | 4 | 344 | .95 | 2 | 5 | ND | 14 | 12 | .3 | 2 | 2 | 3 | .30 | .034 | 23 | 48 | .41 | 260 | .02 | 2 | .54 | .01 | .29 | 2 |
| 90R6 100-105 | 4 | 15 | 28 | 53 | .2 | 7 | 4 | 262 | 1.05 | 2 | 5 | ND | 15 | 12 | .2 | 2 | 2 | 4 | .13 | .033 | 23 | 45 | .59 | 207 | .02 | 2 | .64 | .01 | .30 | 1 |
| 90R6 105-110 | 2 | 7 | 21 | 41 | .2 | 4 | 4 | 348 | 1.08 | 5 | 5 | ND | 15 | 12 | .2 | 2 | 6 | 3 | .11 | .032 | 24 | 23 | .47 | 184 | .01 | 2 | .56 | .01 | .23 | 1 |
| 90R6 110-115 | 3 | 9 | 41 | 48 | .2 | 5 | 4 | 390 | 1.27 | 2 | 5 | ND | 15 | 14 | .2 | 2 | 2 | 4 | .13 | .035 | 25 | 32 | .62 | 214 | .02 | 2 | .65 | .01 | .28 | 1 |
| 90R6 115-120 | 2 | 6 | 29 | 57 | .1 | 4 | 4 | 292 | 1.51 | 2 | 5 | ND | 13 | 14 | .2 | 2 | 2 | 6 | .14 | .031 | 23 | 27 | .89 | 176 | .03 | 2 | .78 | .02 | .30 | 1 |
| 90R6 120-125 | 3 | 10 | 37 | 53 | .1 | 4 | 3 | 263 | 1.13 | 2 | 5 | ND | 15 | 13 | .2 | 2 | 3 | 4 | .11 | .030 | 22 | 36 | .59 | 194 | .04 | 3 | .67 | .02 | .37 | 1 |
| 90R6 125-130 | 5 | 8 | 32 | 45 | .2 | 8 | 4 | 313 | 1.08 | 3 | 5 | ND | 15 | 13 | .2 | 2 | 3 | 4 | .12 | .030 | 25 | 51 | .39 | 188 | .03 | 3 | .56 | .02 | .32 | 1 |
| 90R6 130-135 | 5 | 17 | 47 | 52 | .2 | 5 | 3 | 277 | 1.13 | 2 | 5 | ND | 16 | 13 | .2 | 2 | 2 | 4 | .12 | .034 | 29 | 49 | .45 | 188 | .06 | 4 | .62 | .02 | .37 | 1 |
| 90R6 135-140 | 2 | 12 | 31 | 37 | .2 | 3 | 3 | 198 | .85 | 2 | 5 | ND | 16 | 12 | .2 | 2 | 2 | 3 | .09 | .032 | 33 | 26 | .28 | 146 | .03 | 6 | .43 | .01 | .27 | 1 |
| 90R6 140-145 | 2 | 8 | 31 | 33 | .1 | 5 | 2 | 218 | .89 | 2 | 5 | ND | 15 | 13 | .3 | 2 | 2 | 3 | .09 | .032 | 33 | 24 | .31 | 124 | .03 | 3 | .46 | .01 | .25 | 1 |
| 90R6 145-150 | 3 | 10 | 24 | 34 | .3 | 4 | 3 | 217 | .96 | 2 | 5 | ND | 18 | 14 | .2 | 2 | 4 | 4 | .10 | .034 | 40 | 28 | .36 | 139 | .04 | 6 | .51 | .01 | .29 | 2 |
| STANDARD C | 18 | 58 | 35 | 130 | 6.9 | 73 | 31 | 1056 | 3.97 | 43 | 22 | 7 | 38 | 53 | 19.2 | 14 | 18 | 55 | .44 | .096 | 38 | 56 | .90 | 182 | .07 | 32 | 1.89 | .06 | .13 | 11 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PULP

**DATE RECEIVED:** NOV 7 1990 **DATE REPORT MAILED:** Nov 9/90 . **SIGNED BY.** C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Analytical Labs. Ltd. PROJECT WO#13006 File # 90-5806

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R7 0-5 | 4 | 18 | 41 | 57 | .1 | 7 | 4 | 294 | 1.18 | 10 | 5 | ND | 13 | 14 | .2 | 2 | 2 | 6 | .11 | .027 | 29 | 41 | .30 | 206 | .02 | 3 | .65 | .01 | .22 | 1 |
| 90R7 5-10 | 3 | 15 | 66 | 62 | .1 | 4 | 2 | 171 | .68 | 2 | 5 | ND | 14 | 9 | .3 | 2 | 2 | 2 | .07 | .024 | 24 | 31 | .23 | 238 | .01 | 2 | .37 | .01 | .19 | 1 |
| 90R7 10-15 | 3 | 40 | 53 | 95 | .1 | 5 | 4 | 331 | 1.10 | 7 | 5 | ND | 14 | 14 | .2 | 2 | 2 | 3 | .13 | .041 | 24 | 27 | .28 | 311 | .01 | 2 | .50 | .01 | .21 | 1 |
| 90R7 15-20 | 3 | 17 | 33 | 58 | .1 | 8 | 5 | 400 | 1.33 | 8 | 5 | ND | 16 | 13 | .2 | 2 | 2 | 4 | .14 | .042 | 34 | 31 | .26 | 253 | .02 | 2 | .57 | .01 | .22 | 1 |
| 90R7 20-25 | 2 | 12 | 27 | 55 | .2 | 4 | 5 | 398 | 1.44 | 5 | 5 | ND | 16 | 14 | .2 | 2 | 4 | 5 | .15 | .044 | 34 | 27 | .29 | 254 | .02 | 2 | .64 | .01 | .25 | 1 |
| 90R7 25-30 | 4 | 12 | 30 | 61 | .1 | 10 | 4 | 430 | 1.32 | 12 | 5 | ND | 17 | 14 | .2 | 2 | 2 | 4 | .13 | .041 | 41 | 34 | .22 | 241 | .01 | 2 | .58 | .01 | .20 | 1 |
| 90R7 30-35 | 3 | 12 | 42 | 65 | .1 | 4 | 5 | 449 | 1.38 | 15 | 5 | ND | 16 | 15 | .2 | 2 | 2 | 4 | .14 | .039 | 36 | 36 | .35 | 218 | .02 | 2 | .67 | .01 | .23 | 1 |
| 90R7 35-40 | 3 | 12 | 23 | 61 | .1 | 5 | 4 | 347 | 1.31 | 17 | 5 | ND | 15 | 16 | .2 | 2 | 2 | 4 | .17 | .042 | 32 | 28 | .45 | 162 | .01 | 2 | .70 | .01 | .18 | 1 |
| 90R7 40-45 | 2 | 10 | 25 | 46 | .1 | 5 | 5 | 365 | 1.15 | 8 | 5 | ND | 15 | 14 | .3 | 2 | 2 | 3 | .14 | .037 | 27 | 25 | .44 | 137 | .01 | 2 | .59 | .01 | .16 | 1 |
| 90R7 45-50 | 2 | 9 | 26 | 43 | .1 | 4 | 4 | 338 | .97 | 3 | 5 | ND | 14 | 11 | .2 | 2 | 2 | 3 | .12 | .040 | 22 | 21 | .57 | 126 | .02 | 2 | .57 | .01 | .22 | 1 |
| 90R7 50-55 | 2 | 8 | 28 | 45 | .1 | 3 | 4 | 285 | 1.06 | 2 | 5 | ND | 14 | 12 | .2 | 2 | 4 | 4 | .12 | .035 | 21 | 30 | .71 | 136 | .03 | 2 | .65 | .01 | .26 | 1 |
| 90R7 55-60 | 2 | 8 | 22 | 41 | .2 | 4 | 4 | 294 | .94 | 2 | 5 | ND | 13 | 11 | .2 | 2 | 2 | 3 | .11 | .032 | 23 | 25 | .62 | 119 | .02 | 2 | .57 | .01 | .21 | 1 |
| 90R7 60-65 | 3 | 12 | 22 | 38 | .2 | 4 | 5 | 376 | .99 | 3 | 5 | ND | 15 | 13 | .3 | 2 | 2 | 3 | .12 | .039 | 25 | 29 | .53 | 143 | .01 | 2 | .56 | .01 | .21 | 1 |
| 90R7 65-70 | 4 | 7 | 25 | 42 | .1 | 3 | 4 | 326 | .97 | 2 | 5 | ND | 15 | 13 | .2 | 2 | 2 | 3 | .11 | .032 | 24 | 36 | .55 | 151 | .01 | 4 | .56 | .01 | .25 | 1 |
| 90R7 70-75 | 3 | 12 | 37 | 78 | .3 | 3 | 4 | 273 | 1.08 | 2 | 5 | ND | 15 | 13 | .2 | 2 | 2 | 3 | .10 | .027 | 25 | 34 | .55 | 144 | .01 | 3 | .57 | .01 | .24 | 1 |
| 90R7 75-80 | 3 | 23 | 42 | 51 | .3 | 2 | 3 | 209 | .97 | 4 | 5 | ND | 16 | 11 | .3 | 2 | 2 | 2 | .08 | .023 | 27 | 29 | .45 | 149 | .01 | 3 | .51 | .01 | .23 | 1 |
| 90R7 80-85 | 3 | 14 | 37 | 37 | .3 | 2 | 3 | 252 | .80 | 3 | 5 | ND | 14 | 11 | .2 | 2 | 3 | 3 | .08 | .026 | 24 | 31 | .37 | 155 | .01 | 2 | .48 | .01 | .21 | 1 |
| 90R7 85-90 | 2 | 12 | 35 | 39 | .3 | 3 | 3 | 256 | .95 | 2 | 5 | ND | 14 | 13 | .2 | 2 | 2 | 3 | .11 | .030 | 23 | 23 | .37 | 137 | .01 | 2 | .47 | .01 | .20 | 2 |
| 90R7 90-95 | 3 | 10 | 28 | 34 | .1 | 2 | 3 | 241 | .88 | 2 | 5 | ND | 13 | 13 | .2 | 2 | 2 | 3 | .10 | .032 | 22 | 24 | .29 | 151 | .01 | 2 | .42 | .01 | .21 | 1 |
| 90R7 95-100 | 3 | 9 | 28 | 29 | .1 | 3 | 3 | 186 | .81 | 2 | 5 | ND | 15 | 12 | .2 | 2 | 2 | 3 | .10 | .032 | 27 | 29 | .25 | 140 | .02 | 2 | .42 | .01 | .24 | 1 |
| 90R7 100-105 | 3 | 6 | 31 | 36 | .1 | 2 | 3 | 184 | .85 | 3 | 5 | ND | 16 | 12 | .2 | 2 | 2 | 3 | .09 | .023 | 22 | 25 | .45 | 111 | .02 | 2 | .52 | .01 | .24 | 1 |
| 90R7 105-110 | 3 | 6 | 26 | 32 | .1 | 2 | 2 | 192 | .71 | 2 | 5 | ND | 17 | 11 | .3 | 2 | 2 | 3 | .08 | .022 | 29 | 27 | .36 | 125 | .02 | 2 | .46 | .01 | .25 | 1 |
| 90R7 110-115 | 4 | 10 | 22 | 40 | .3 | 4 | 4 | 230 | 1.02 | 2 | 5 | ND | 14 | 15 | .2 | 2 | 3 | 4 | .12 | .032 | 23 | 39 | .37 | 190 | .02 | 3 | .53 | .02 | .30 | 1 |
| 90R7 115-120 | 5 | 10 | 25 | 30 | .3 | 3 | 3 | 221 | .85 | 2 | 5 | ND | 15 | 18 | .2 | 2 | 2 | 4 | .20 | .030 | 25 | 32 | .32 | 169 | .02 | 2 | .47 | .01 | .27 | 1 |
| 90R7 120-125 | 10 | 6 | 29 | 31 | .2 | 4 | 3 | 206 | .84 | 3 | 5 | ND | 16 | 12 | .2 | 2 | 2 | 4 | .09 | .021 | 21 | 106 | .41 | 113 | .02 | 2 | .46 | .01 | .23 | 1 |
| 90R7 125-130 | 3 | 8 | 30 | 40 | .2 | 3 | 3 | 188 | .93 | 2 | 5 | ND | 18 | 15 | .2 | 2 | 3 | 4 | .10 | .025 | 27 | 30 | .49 | 165 | .03 | 2 | .60 | .01 | .32 | 1 |
| STANDARD C | 19 | 58 | 38 | 131 | 7.1 | 72 | 31 | 1056 | 3.97 | 43 | 22 | 7 | 38 | 53 | 20.1 | 14 | 17 | 55 | .46 | .097 | 38 | 56 | .90 | 182 | .07 | 31 | 1.89 | .06 | .14 | 11 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PULP

DATE RECEIVED: NOV 7 1990 DATE REPORT MAILED: Nov 9/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R7 130-135 | 2 | 10 | 29 | 48 | .8 | 4 | 4 | 288 | 1.13 | 5 | 12 | ND | 22 | 17 | .3 | 2 | 2 | 5 | .16 | .032 | 27 | 16 | .51 | 175 | .03 | 2 | .59 | .01 | .29 | 2 |
| 90R7 135-140 | 2 | 10 | 29 | 39 | .3 | 3 | 3 | 232 | 1.10 | 3 | 5 | ND | 18 | 24 | .2 | 2 | 2 | 4 | .12 | .029 | 21 | 18 | .56 | 158 | .03 | 4 | .65 | .01 | .35 | 1 |
| 90R7 140-145 | 1 | 14 | 24 | 37 | .5 | 4 | 4 | 234 | 1.07 | 3 | 5 | ND | 19 | 21 | .2 | 2 | 2 | 4 | .12 | .029 | 17 | 10 | .58 | 118 | .03 | 2 | .59 | .01 | .28 | 1 |
| 90R7 145-150 | 1 | 7 | 28 | 37 | .4 | 3 | 4 | 199 | .95 | 4 | 7 | ND | 19 | 21 | .2 | 2 | 2 | 3 | .12 | .025 | 19 | 10 | .59 | 126 | .03 | 2 | .59 | .01 | .27 | 1 |
| 90R7 150-155 | 1 | 11 | 27 | 45 | .1 | 6 | 4 | 274 | 1.27 | 2 | 5 | ND | 12 | 22 | .2 | 2 | 2 | 5 | .24 | .033 | 16 | 11 | .55 | 145 | .04 | 2 | .59 | .01 | .30 | 1 |
| 90R7 155-160 | 2 | 30 | 25 | 44 | .4 | 4 | 5 | 262 | 1.27 | 2 | 5 | ND | 14 | 17 | .2 | 2 | 2 | 5 | .16 | .032 | 17 | 20 | .47 | 192 | .03 | 2 | .56 | .01 | .30 | 1 |
| 90R7 160-165 | 3 | 26 | 29 | 68 | .7 | 14 | 8 | 377 | 1.85 | 7 | 5 | ND | 13 | 32 | .5 | 2 | 2 | 12 | .61 | .051 | 11 | 21 | .85 | 217 | .08 | 3 | .88 | .01 | .49 | 1 |
| 90R7 165-170 | 2 | 9 | 24 | 70 | .1 | 10 | 7 | 435 | 2.15 | 2 | 5 | ND | 10 | 35 | .2 | 2 | 2 | 13 | .52 | .045 | 11 | 24 | 1.15 | 195 | .07 | 2 | 1.15 | .01 | .42 | 1 |
| 90R7 170-175 | 1 | 19 | 20 | 66 | .4 | 8 | 7 | 445 | 2.12 | 2 | 5 | ND | 15 | 51 | .2 | 2 | 5 | 14 | .48 | .048 | 17 | 21 | 1.10 | 306 | .06 | 2 | 1.09 | .01 | .34 | 1 |
| 90R7 175-180 | 2 | 18 | 23 | 71 | .3 | 10 | 8 | 451 | 2.25 | 2 | 5 | ND | 14 | 38 | .2 | 2 | 2 | 15 | .53 | .051 | 13 | 24 | 1.22 | 191 | .08 | 3 | 1.19 | .01 | .45 | 1 |
| 90R7 180-185 | 1 | 11 | 25 | 57 | .2 | 7 | 7 | 308 | 1.65 | 2 | 5 | ND | 14 | 28 | .2 | 2 | 4 | 8 | .41 | .041 | 16 | 14 | 1.05 | 155 | .04 | 2 | .93 | .01 | .36 | 1 |
| 90R7 185-190 | 1 | 18 | 18 | 67 | .5 | 8 | 9 | 388 | 2.13 | 3 | 5 | ND | 15 | 33 | .2 | 2 | 2 | 14 | .41 | .048 | 15 | 23 | 1.26 | 165 | .05 | 3 | 1.19 | .01 | .39 | 1 |
| 90R7 190-195 | 1 | 21 | 26 | 73 | .8 | 9 | 8 | 491 | 2.13 | 8 | 5 | ND | 15 | 45 | .2 | 3 | 2 | 16 | .40 | .049 | 18 | 26 | 1.20 | 154 | .04 | 2 | 1.08 | .01 | .32 | 1 |
| 90R7 195-200 | 1 | 17 | 38 | 66 | .4 | 8 | 7 | 460 | 2.09 | 2 | 5 | ND | 14 | 52 | .2 | 2 | 2 | 15 | .50 | .050 | 21 | 27 | 1.21 | 172 | .04 | 2 | 1.13 | .01 | .31 | 1 |
| STANDARD C | 19 | 61 | 41 | 131 | 7.0 | 70 | 32 | 1054 | 3.97 | 45 | 20 | 8 | 40 | 55 | 19.2 | 15 | 22 | 57 | .46 | .092 | 39 | 56 | .90 | 183 | .07 | 35 | 1.89 | .06 | .14 | 11 |

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

**Northern Analytical Labs. Ltd.** PROJECT WO#13012 File # 90-6052 Page 1

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R8 0-5 | 3 | 21 | 27 | 91 | .5 | 19 | 11 | 910 | 2.46 | 5 | 5 | ND | 9 | 17 | .6 | 2 | 2 | 10 | .36 | .065 | 19 | 43 | .89 | 275 | .02 | 8 | 1.25 | .01 | .24 | 1 |
| 90R8 5-10 | 4 | 33 | 18 | 124 | .6 | 24 | 13 | 1393 | 3.01 | 5 | 5 | ND | 7 | 32 | 1.2 | 2 | 2 | 13 | .57 | .077 | 18 | 59 | 1.03 | 168 | .01 | 6 | 1.49 | .01 | .19 | 1 |
| 90R8 10-15 | 5 | 33 | 15 | 89 | .6 | 18 | 11 | 1140 | 3.20 | 2 | 5 | ND | 6 | 69 | .2 | 2 | 2 | 10 | 1.65 | .061 | 10 | 57 | 1.10 | 42 | .02 | 9 | 1.19 | .01 | .19 | 1 |
| 90R8 15-20 | 3 | 54 | 18 | 106 | .5 | 18 | 10 | 1094 | 3.15 | 2 | 5 | ND | 6 | 76 | .2 | 2 | 2 | 12 | 2.65 | .073 | 10 | 42 | 1.19 | 99 | .01 | 7 | 1.39 | .01 | .24 | 1 |
| 90R8 20-25 | 4 | 32 | 17 | 147 | .5 | 25 | 17 | 1413 | 3.47 | 2 | 5 | ND | 6 | 41 | .5 | 2 | 2 | 14 | .96 | .077 | 12 | 53 | 1.35 | 86 | .01 | 9 | 1.68 | .02 | .24 | 1 |
| 90R8 25-30 | 4 | 39 | 16 | 111 | .5 | 20 | 13 | 1168 | 3.13 | 3 | 5 | ND | 6 | 48 | .2 | 2 | 2 | 11 | 1.12 | .075 | 10 | 54 | 1.10 | 58 | .01 | 6 | 1.30 | .01 | .22 | 1 |
| 90R8 30-35 | 2 | 32 | 19 | 83 | .4 | 12 | 9 | 856 | 2.37 | 3 | 5 | ND | 6 | 93 | .2 | 2 | 2 | 10 | 2.90 | .066 | 11 | 39 | .71 | 183 | .01 | 6 | 1.10 | .02 | .32 | 1 |
| 90R8 35-40 | 3 | 56 | 11 | 84 | .9 | 15 | 10 | 933 | 1.94 | 9 | 5 | ND | 7 | 56 | .2 | 2 | 2 | 6 | 1.82 | .057 | 11 | 39 | .68 | 218 | .03 | 6 | .81 | .01 | .28 | 1 |
| 90R8 40-45 | 2 | 33 | 5 | 77 | .9 | 16 | 11 | 811 | 2.16 | 19 | 5 | ND | 7 | 51 | 1.0 | 2 | 2 | 12 | 1.20 | .061 | 11 | 36 | .69 | 179 | .06 | 7 | .82 | .02 | .31 | 2 |
| 90R8 45-50 | 3 | 18 | 11 | 90 | .2 | 16 | 11 | 713 | 1.71 | 17 | 5 | ND | 7 | 40 | .5 | 3 | 2 | 9 | .90 | .058 | 13 | 38 | .74 | 185 | .07 | 5 | .86 | .03 | .24 | 2 |
| 90R8 50-55 | 3 | 21 | 21 | 74 | .4 | 14 | 10 | 656 | 1.68 | 4 | 5 | ND | 8 | 64 | .7 | 3 | 2 | 7 | 1.89 | .069 | 11 | 39 | .76 | 181 | .05 | 5 | .83 | .02 | .29 | 1 |
| 90R8 55-60 | 3 | 28 | 18 | 49 | .6 | 14 | 11 | 531 | 1.77 | 4 | 5 | ND | 6 | 63 | .4 | 3 | 2 | 4 | 1.45 | .059 | 7 | 46 | .49 | 53 | .02 | 2 | .61 | .03 | .30 | 1 |
| 90R8 60-65 | 2 | 23 | 17 | 29 | .3 | 15 | 10 | 314 | 1.75 | 4 | 5 | ND | 6 | 27 | .7 | 5 | 2 | 1 | .93 | .061 | 5 | 21 | .24 | 31 | .02 | 7 | .37 | .02 | .18 | 2 |
| 90R8 65-70 | 3 | 35 | 29 | 57 | .5 | 12 | 11 | 520 | 1.82 | 5 | 5 | ND | 5 | 58 | .9 | 4 | 2 | 4 | 1.98 | .068 | 4 | 32 | .28 | 42 | .02 | 8 | .45 | .02 | .28 | 1 |
| 90R8 70-75 | 5 | 49 | 64 | 137 | 1.1 | 13 | 8 | 462 | 1.81 | 9 | 5 | ND | 6 | 52 | 2.6 | 3 | 2 | 3 | 1.40 | .054 | 7 | 40 | .44 | 44 | .02 | 4 | .50 | .03 | .26 | 1 |
| 90R8 75-80 | 5 | 28 | 46 | 64 | .5 | 12 | 9 | 583 | 1.68 | 9 | 5 | ND | 7 | 79 | 1.2 | 2 | 2 | 3 | 1.94 | .054 | 7 | 40 | .57 | 56 | .03 | 8 | .56 | .02 | .28 | 1 |
| 90R8 80-85 | 3 | 30 | 9 | 39 | 1.7 | 10 | 8 | 586 | 1.60 | 4 | 5 | ND | 5 | 99 | .5 | 3 | 2 | 4 | 1.68 | .058 | 7 | 36 | .54 | 52 | .02 | 9 | .57 | .02 | .27 | 1 |
| 90R8 85-90 | 3 | 21 | 11 | 31 | .3 | 13 | 9 | 316 | 1.77 | 4 | 5 | ND | 8 | 32 | .5 | 3 | 2 | 4 | .90 | .060 | 8 | 39 | .33 | 51 | .03 | 7 | .58 | .02 | .30 | 2 |
| 90R8 90-95 | 3 | 25 | 49 | 76 | .6 | 14 | 10 | 760 | 1.66 | 8 | 5 | ND | 9 | 32 | 1.0 | 2 | 2 | 3 | .72 | .041 | 9 | 31 | .56 | 138 | .04 | 8 | .63 | .01 | .23 | 2 |
| 90R8 95-100 | 3 | 28 | 43 | 90 | .6 | 13 | 10 | 540 | 1.89 | 6 | 5 | ND | 7 | 36 | 1.1 | 2 | 2 | 4 | 1.11 | .058 | 9 | 40 | .56 | 87 | .04 | 8 | .67 | .02 | .28 | 2 |
| 90R8 100-105 | 6 | 42 | 40 | 62 | .8 | 12 | 8 | 490 | 1.79 | 7 | 5 | ND | 7 | 50 | .4 | 2 | 2 | 5 | 1.28 | .050 | 12 | 49 | .66 | 76 | .02 | 9 | .81 | .03 | .37 | 2 |
| 90R8 105-110 | 2 | 25 | 28 | 60 | .3 | 10 | 7 | 559 | 1.58 | 6 | 5 | ND | 8 | 56 | .6 | 2 | 2 | 4 | 1.07 | .036 | 10 | 31 | .54 | 110 | .01 | 5 | .65 | .02 | .23 | 1 |
| 90R8 110-115 | 3 | 42 | 35 | 64 | .4 | 10 | 7 | 658 | 1.45 | 9 | 5 | ND | 8 | 87 | .4 | 2 | 2 | 6 | 1.07 | .043 | 14 | 37 | .48 | 159 | .02 | 5 | .68 | .04 | .28 | 2 |
| 90R8 115-120 | 3 | 23 | 14 | 58 | 1.5 | 10 | 8 | 501 | 1.71 | 3 | 5 | 3 | 6 | 120 | .6 | 2 | 2 | 7 | 1.59 | .071 | 12 | 37 | .61 | 81 | .01 | 3 | .75 | .06 | .30 | 2 |
| 90R8 120-125 | 4 | 45 | 227 | 229 | .8 | 13 | 9 | 481 | 2.00 | 36 | 5 | ND | 8 | 42 | 1.8 | 2 | 3 | 8 | .75 | .060 | 16 | 43 | .39 | 60 | .01 | 7 | .79 | .06 | .38 | 2 |
| 90R8 125-130 | 4 | 22 | 28 | 86 | .3 | 11 | 8 | 536 | 2.75 | 3 | 5 | ND | 7 | 80 | .2 | 2 | 2 | 6 | 1.92 | .056 | 13 | 31 | .78 | 54 | .01 | 5 | .89 | .03 | .27 | 1 |
| 90R8 130-135 | 2 | 20 | 33 | 66 | .5 | 14 | 8 | 512 | 1.93 | 2 | 5 | ND | 6 | 106 | .7 | 2 | 2 | 5 | 2.24 | .054 | 7 | 29 | .76 | 145 | .02 | 7 | .72 | .02 | .24 | 3 |
| 90R8 135-140 | 3 | 16 | 6 | 45 | .3 | 15 | 8 | 512 | 2.05 | 2 | 5 | ND | 5 | 110 | .8 | 2 | 2 | 4 | 2.81 | .044 | 6 | 33 | .90 | 80 | .04 | 7 | .77 | .02 | .28 | 2 |
| 90R8 140-145 | 4 | 17 | 24 | 48 | .3 | 14 | 8 | 450 | 2.05 | 2 | 5 | ND | 5 | 86 | .4 | 2 | 2 | 4 | 2.74 | .048 | 6 | 37 | .71 | 78 | .03 | 6 | .63 | .02 | .28 | 2 |
| 90R8 145-150 | 3 | 16 | 8 | 74 | .3 | 16 | 13 | 664 | 2.71 | 3 | 5 | ND | 3 | 139 | .8 | 2 | 2 | 11 | 3.84 | .051 | 5 | 118 | 1.41 | 78 | .04 | 5 | .93 | .01 | .22 | 1 |
| STANDARD C | 20 | 61 | 42 | 133 | 7.3 | 74 | 32 | 1044 | 3.97 | 42 | 17 | 7 | 37 | 52 | 18.6 | 16 | 19 | 60 | .46 | .094 | 39 | 58 | .87 | 180 | .08 | 38 | 1.90 | .06 | .13 | 11 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PULP

DATE RECEIVED: NOV 23 1990 DATE REPORT MAILED: Nov 27/90 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R9 0-5 | 2 | 24 | 31 | 41 | .5 | 6 | 3 | 125 | 1.56 | 8 | 5 | ND | 8 | 48 | .2 | 2 | 2 | 5 | .15 | .047 | 10 | 38 | .39 | 600 | .01 | 3 | .51 | .02 | .11 | 1 |
| 90R9 5-10 | 2 | 27 | 18 | 29 | .5 | 7 | 4 | 116 | 1.75 | 4 | 6 | ND | 8 | 48 | .2 | 2 | 2 | 5 | .08 | .059 | 9 | 38 | .25 | 697 | .02 | 3 | .39 | .02 | .14 | 1 |
| 90R9 10-15 | 4 | 32 | 24 | 41 | .5 | 9 | 7 | 265 | 1.80 | 5 | 5 | ND | 8 | 34 | .2 | 2 | 2 | 7 | .12 | .058 | 8 | 41 | .29 | 708 | .02 | 3 | .51 | .01 | .13 | 1 |
| 90R9 15-20 | 2 | 34 | 15 | 66 | .6 | 14 | 9 | 516 | 1.55 | 40 | 5 | ND | 9 | 44 | .4 | 3 | 2 | 6 | .69 | .060 | 9 | 29 | .61 | 146 | .02 | 3 | .63 | .01 | .14 | 1 |
| 90R9 20-25 | 1 | 34 | 23 | 58 | 1.0 | 13 | 9 | 582 | 1.66 | 13 | 5 | ND | 8 | 78 | .4 | 2 | 2 | 5 | 1.31 | .058 | 8 | 29 | .65 | 54 | .01 | 2 | .64 | .01 | .13 | 1 |
| 90R9 25-30 | 2 | 34 | 11 | 59 | .4 | 12 | 8 | 579 | 1.98 | 30 | 5 | ND | 8 | 36 | .3 | 2 | 2 | 8 | .77 | .052 | 8 | 28 | .55 | 33 | .01 | 3 | .61 | .01 | .14 | 1 |
| 90R9 30-35 | 2 | 39 | 12 | 53 | .7 | 13 | 10 | 586 | 1.99 | 28 | 5 | ND | 9 | 48 | .3 | 2 | 2 | 7 | 1.03 | .049 | 9 | 28 | .54 | 33 | .01 | 2 | .63 | .02 | .13 | 1 |
| 90R9 35-40 | 1 | 21 | 14 | 50 | .4 | 9 | 6 | 429 | 1.36 | 2 | 5 | ND | 10 | 75 | .2 | 2 | 2 | 4 | 1.03 | .046 | 11 | 25 | .47 | 71 | .01 | 2 | .56 | .02 | .12 | 2 |
| 90R9 40-45 | 2 | 35 | 15 | 63 | .3 | 13 | 7 | 454 | 1.63 | 3 | 5 | ND | 11 | 83 | .2 | 2 | 2 | 7 | 1.26 | .047 | 14 | 33 | .53 | 100 | .01 | 2 | .67 | .02 | .11 | 1 |
| 90R9 45-50 | 2 | 36 | 9 | 37 | .4 | 11 | 8 | 398 | 1.72 | 2 | 5 | ND | 9 | 62 | .2 | 2 | 2 | 5 | 1.04 | .050 | 12 | 27 | .34 | 28 | .01 | 2 | .48 | .02 | .13 | 2 |
| 90R9 50-55 | 2 | 17 | 15 | 42 | .6 | 10 | 7 | 417 | 1.89 | 4 | 5 | ND | 10 | 68 | .2 | 2 | 3 | 5 | 1.30 | .042 | 12 | 37 | .32 | 19 | .01 | 2 | .53 | .03 | .16 | 2 |
| 90R9 55-60 | 1 | 26 | 10 | 74 | .4 | 17 | 12 | 644 | 2.47 | 2 | 5 | ND | 9 | 65 | .3 | 2 | 2 | 7 | 1.50 | .060 | 11 | 37 | .45 | 29 | .01 | 4 | .74 | .02 | .14 | 1 |
| 90R9 60-65 | 2 | 27 | 14 | 91 | .4 | 15 | 11 | 569 | 3.07 | 9 | 5 | ND | 8 | 111 | .2 | 2 | 2 | 9 | 2.06 | .058 | 8 | 59 | .63 | 16 | .01 | 4 | .87 | .02 | .15 | 1 |
| 90R9 65-70 | 3 | 26 | 7 | 75 | .5 | 20 | 14 | 518 | 3.20 | 2 | 5 | ND | 7 | 89 | .2 | 2 | 2 | 9 | 2.20 | .056 | 7 | 69 | .61 | 14 | .01 | 5 | .70 | .02 | .16 | 1 |
| 90R9 70-75 | 3 | 23 | 8 | 63 | .2 | 11 | 7 | 435 | 2.11 | 2 | 5 | ND | 9 | 87 | .2 | 2 | 2 | 5 | 1.62 | .051 | 9 | 37 | .60 | 21 | .01 | 3 | .71 | .02 | .16 | 1 |
| 90R9 75-80 | 3 | 43 | 5 | 58 | .3 | 16 | 9 | 422 | 2.19 | 2 | 5 | ND | 8 | 70 | .3 | 2 | 2 | 6 | 1.92 | .047 | 7 | 53 | .54 | 19 | .01 | 3 | .68 | .02 | .21 | 1 |
| 90R9 80-85 | 3 | 27 | 7 | 52 | 1.1 | 19 | 13 | 547 | 2.91 | 3 | 5 | ND | 6 | 110 | .2 | 2 | 2 | 7 | 2.69 | .056 | 5 | 66 | .76 | 17 | .01 | 4 | .65 | .01 | .21 | 1 |
| 90R9 85-90 | 4 | 32 | 8 | 53 | 1.0 | 16 | 10 | 593 | 2.68 | 11 | 5 | ND | 6 | 107 | .2 | 2 | 2 | 7 | 2.89 | .050 | 5 | 69 | .79 | 15 | .01 | 4 | .61 | .02 | .15 | 1 |
| 90R9 90-95 | 4 | 36 | 16 | 55 | .7 | 18 | 15 | 691 | 3.31 | 22 | 5 | ND | 5 | 113 | .4 | 2 | 2 | 8 | 3.05 | .058 | 5 | 71 | .90 | 18 | .01 | 5 | .63 | .01 | .16 | 1 |
| 90R9 95-100 | 3 | 30 | 8 | 46 | 1.9 | 18 | 14 | 716 | 2.78 | 8 | 5 | 5 | 5 | 157 | .4 | 2 | 2 | 7 | 3.69 | .054 | 5 | 72 | .84 | 31 | .01 | 4 | .57 | .01 | .15 | 1 |
| 90R9 100-105 | 1 | 24 | 10 | 51 | .5 | 13 | 9 | 419 | 1.97 | 5 | 5 | ND | 10 | 70 | .2 | 2 | 2 | 6 | 1.50 | .055 | 10 | 33 | .44 | 39 | .01 | 3 | .63 | .02 | .17 | 1 |
| 90R9 105-110 | 3 | 36 | 17 | 51 | .4 | 13 | 8 | 512 | 2.04 | 5 | 5 | ND | 8 | 82 | .3 | 2 | 2 | 7 | 1.95 | .049 | 9 | 59 | .60 | 28 | .01 | 3 | .70 | .02 | .19 | 1 |
| 90R9 110-115 | 3 | 35 | 10 | 51 | .6 | 15 | 10 | 531 | 2.28 | 10 | 5 | ND | 7 | 93 | .2 | 2 | 2 | 7 | 2.22 | .050 | 8 | 55 | .78 | 27 | .01 | 3 | .75 | .02 | .18 | 1 |
| 90R9 115-120 | 5 | 34 | 15 | 70 | .5 | 14 | 9 | 610 | 2.28 | 2 | 5 | ND | 7 | 102 | .2 | 2 | 2 | 8 | 2.70 | .046 | 8 | 68 | .85 | 28 | .01 | 3 | .81 | .02 | .17 | 1 |
| 90R9 120-125 | 3 | 41 | 11 | 57 | .5 | 10 | 7 | 407 | 1.65 | 4 | 5 | ND | 9 | 71 | .3 | 2 | 2 | 8 | 1.63 | .046 | 13 | 47 | .38 | 62 | .01 | 3 | .68 | .03 | .20 | 1 |
| 90R9 125-130 | 2 | 25 | 9 | 59 | .5 | 8 | 7 | 430 | 1.59 | 7 | 5 | ND | 9 | 79 | .2 | 2 | 2 | 8 | 1.50 | .050 | 13 | 34 | .38 | 110 | .02 | 3 | .68 | .03 | .18 | 1 |
| 90R9 130-135 | 2 | 49 | 10 | 42 | 1.0 | 9 | 7 | 433 | 1.73 | 2 | 5 | ND | 9 | 85 | .3 | 2 | 2 | 6 | 1.46 | .058 | 12 | 30 | .38 | 45 | .01 | 2 | .60 | .04 | .18 | 1 |
| 90R9 135-140 | 4 | 23 | 21 | 59 | .7 | 11 | 7 | 523 | 1.67 | 20 | 5 | ND | 10 | 70 | .2 | 2 | 2 | 6 | 1.73 | .053 | 16 | 44 | .35 | 56 | .01 | 4 | .63 | .02 | .17 | 1 |
| 90R9 140-145 | 3 | 25 | 12 | 55 | .6 | 10 | 7 | 397 | 1.72 | 4 | 5 | ND | 10 | 59 | .2 | 2 | 2 | 6 | 1.43 | .050 | 20 | 37 | .28 | 34 | .01 | 2 | .68 | .03 | .21 | 1 |
| 90R9 145-150 | 1 | 29 | 9 | 48 | .5 | 10 | 7 | 371 | 1.67 | 5 | 5 | ND | 10 | 63 | .2 | 2 | 2 | 5 | 1.51 | .052 | 21 | 21 | .25 | 35 | .01 | 3 | .54 | .02 | .16 | 2 |
| STANDARD C | 18 | 57 | 36 | 132 | 7.1 | 71 | 31 | 1052 | 3.95 | 45 | 22 | 7 | 39 | 52 | 18.7 | 15 | 17 | 56 | .46 | .096 | 38 | 58 | .89 | 180 | .08 | 36 | 1.89 | .06 | .14 | 11 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R10 0-5 | 5 | 51 | 50 | 78 | .4 | 9 | 6 | 447 | 1.36 | 7 | 5 | ND | 9 | 11 | .2 | 2 | 2 | 5 | .12 | .038 | 13 | 69 | .71 | 476 | .01 | 3 | .91 | .02 | .19 | 1 |
| 90R10 5-10 | 4 | 27 | 39 | 60 | .3 | 8 | 3 | 173 | 1.22 | 2 | 5 | ND | 9 | 21 | .2 | 2 | 2 | 3 | .08 | .039 | 10 | 44 | .73 | 591 | .01 | 2 | .76 | .01 | .15 | 1 |
| 90R10 10-15 | 4 | 44 | 24 | 42 | .4 | 7 | 2 | 143 | 1.62 | 14 | 5 | ND | 7 | 9 | .2 | 2 | 2 | 4 | .06 | .053 | 11 | 58 | .58 | 235 | .01 | 2 | .66 | .01 | .17 | 1 |
| 90R10 15-20 | 4 | 37 | 36 | 62 | .5 | 7 | 3 | 185 | 1.78 | 15 | 5 | ND | 9 | 8 | .2 | 2 | 2 | 4 | .07 | .045 | 13 | 55 | .86 | 177 | .01 | 6 | .88 | .01 | .18 | 1 |
| 90R10 20-25 | 3 | 33 | 35 | 66 | .7 | 8 | 5 | 223 | 1.69 | 30 | 5 | ND | 7 | 11 | .2 | 2 | 4 | 5 | .08 | .051 | 12 | 46 | .83 | 171 | .01 | 2 | .93 | .01 | .19 | 1 |
| 90R10 25-30 | 6 | 49 | 35 | 99 | .8 | 12 | 9 | 437 | 1.75 | 40 | 5 | ND | 6 | 88 | .3 | 2 | 2 | 4 | .98 | .053 | 7 | 69 | .70 | 120 | .01 | 2 | .75 | .02 | .20 | 1 |
| 90R10 30-35 | 6 | 71 | 57 | 82 | .9 | 14 | 9 | 381 | 1.81 | 13 | 5 | ND | 6 | 62 | .2 | 2 | 2 | 3 | .81 | .062 | 6 | 52 | .48 | 135 | .01 | 3 | .63 | .02 | .20 | 1 |
| 90R10 35-40 | 4 | 19 | 11 | 88 | .4 | 12 | 9 | 459 | 2.54 | 34 | 5 | ND | 8 | 73 | .2 | 2 | 2 | 6 | 1.43 | .062 | 9 | 51 | .69 | 109 | .01 | 4 | .90 | .02 | .22 | 1 |
| 90R10 40-45 | 3 | 32 | 10 | 65 | .6 | 13 | 8 | 432 | 1.85 | 27 | 5 | ND | 7 | 87 | .2 | 2 | 2 | 5 | 1.35 | .052 | 9 | 46 | .74 | 160 | .01 | 3 | .96 | .01 | .25 | 1 |
| 90R10 45-50 | 2 | 44 | 16 | 43 | .8 | 9 | 8 | 418 | 1.60 | 16 | 5 | ND | 7 | 68 | .2 | 2 | 2 | 4 | 1.03 | .053 | 9 | 29 | .55 | 130 | .01 | 4 | .68 | .02 | .19 | 1 |
| 90R10 50-55 | 2 | 36 | 12 | 38 | .8 | 12 | 9 | 472 | 2.01 | 11 | 5 | ND | 6 | 68 | .2 | 2 | 2 | 5 | 1.39 | .052 | 7 | 37 | .57 | 99 | .01 | 2 | .61 | .02 | .17 | 1 |
| 90R10 55-60 | 5 | 73 | 20 | 53 | .4 | 9 | 6 | 312 | 1.17 | 12 | 5 | ND | 9 | 67 | .2 | 2 | 2 | 3 | .91 | .035 | 11 | 61 | .52 | 154 | .01 | 3 | .65 | .03 | .22 | 1 |
| 90R10 60-65 | 3 | 16 | 19 | 28 | .1 | 4 | 2 | 190 | .52 | 6 | 5 | ND | 13 | 51 | .2 | 2 | 2 | 1 | .55 | .011 | 17 | 39 | .33 | 343 | .01 | 2 | .45 | .02 | .19 | 1 |
| 90R10 65-70 | 4 | 26 | 34 | 46 | .2 | 2 | 1 | 116 | .42 | 2 | 5 | ND | 17 | 29 | .2 | 2 | 2 | 1 | .21 | .006 | 34 | 41 | .18 | 428 | .01 | 2 | .41 | .02 | .21 | 2 |
| 90R10 70-75 | 4 | 23 | 25 | 34 | .1 | 2 | 1 | 221 | .51 | 2 | 5 | ND | 15 | 29 | .2 | 2 | 2 | 1 | .37 | .007 | 28 | 48 | .23 | 336 | .01 | 2 | .45 | .02 | .22 | 1 |
| 90R10 75-80 | 4 | 15 | 31 | 29 | .1 | 3 | 1 | 156 | .39 | 2 | 5 | ND | 18 | 24 | .2 | 2 | 2 | 1 | .30 | .004 | 32 | 49 | .17 | 451 | .01 | 2 | .41 | .02 | .21 | 1 |
| 90R10 80-85 | 5 | 31 | 30 | 31 | .2 | 3 | 2 | 195 | .45 | 4 | 5 | ND | 17 | 39 | .2 | 3 | 2 | 1 | .45 | .006 | 23 | 56 | .23 | 501 | .01 | 3 | .60 | .02 | .31 | 1 |
| 90R10 85-90 | 3 | 29 | 29 | 45 | .2 | 9 | 6 | 584 | 1.23 | 24 | 5 | ND | 10 | 57 | .2 | 2 | 2 | 4 | 1.04 | .028 | 12 | 76 | .70 | 174 | .01 | 2 | .78 | .01 | .27 | 1 |
| 90R10 90-95 | 3 | 24 | 15 | 44 | .3 | 9 | 8 | 515 | 1.58 | 19 | 5 | ND | 7 | 71 | .2 | 2 | 2 | 6 | 1.50 | .049 | 10 | 55 | .51 | 120 | .01 | 2 | .76 | .01 | .29 | 1 |
| 90R10 95-100 | 3 | 23 | 41 | 78 | .3 | 14 | 9 | 565 | 2.09 | 19 | 5 | ND | 7 | 71 | .2 | 2 | 2 | 9 | 1.29 | .057 | 13 | 60 | .77 | 69 | .01 | 2 | 1.05 | .02 | .30 | 1 |
| 90R10 100-105 | 2 | 25 | 38 | 108 | .4 | 17 | 10 | 717 | 2.20 | 51 | 5 | ND | 6 | 90 | .2 | 2 | 2 | 10 | 1.88 | .055 | 17 | 61 | 1.11 | 83 | .01 | 3 | 1.14 | .01 | .23 | 1 |
| 90R10 105-110 | 3 | 22 | 25 | 83 | .3 | 15 | 8 | 675 | 1.92 | 27 | 5 | ND | 7 | 90 | .2 | 2 | 2 | 8 | 1.94 | .050 | 16 | 44 | 1.02 | 93 | .01 | 3 | 1.10 | .01 | .26 | 1 |
| 90R10 110-115 | 3 | 21 | 20 | 96 | .3 | 16 | 10 | 952 | 2.21 | 46 | 5 | ND | 5 | 92 | .2 | 2 | 2 | 9 | 2.94 | .050 | 10 | 64 | 1.10 | 102 | .01 | 2 | 1.11 | .01 | .23 | 1 |
| 90R10 115-120 | 3 | 46 | 121 | 191 | .4 | 14 | 9 | 913 | 2.10 | 53 | 5 | ND | 6 | 70 | .2 | 3 | 2 | 7 | 2.00 | .060 | 16 | 48 | .74 | 117 | .01 | 4 | .88 | .02 | .24 | 1 |
| 90R10 120-125 | 3 | 22 | 323 | 349 | .5 | 15 | 10 | 1044 | 2.49 | 66 | 5 | ND | 6 | 69 | 2.3 | 2 | 2 | 7 | 1.99 | .058 | 17 | 60 | .93 | 86 | .01 | 2 | 1.00 | .01 | .21 | 1 |
| 90R10 125-130 | 3 | 24 | 22 | 60 | .3 | 12 | 8 | 648 | 1.65 | 65 | 5 | ND | 8 | 62 | .2 | 2 | 2 | 4 | 1.83 | .050 | 22 | 42 | .39 | 88 | .01 | 2 | .72 | .02 | .26 | 1 |
| 90R10 130-135 | 3 | 29 | 82 | 110 | .4 | 15 | 10 | 940 | 2.24 | 117 | 5 | ND | 6 | 80 | .2 | 5 | 2 | 7 | 2.40 | .059 | 16 | 58 | .67 | 91 | .01 | 3 | .83 | .01 | .21 | 1 |
| 90R10 135-140 | 3 | 24 | 366 | 589 | .6 | 12 | 8 | 622 | 1.45 | 39 | 5 | ND | 9 | 64 | 4.5 | 2 | 2 | 4 | 1.60 | .047 | 22 | 37 | .41 | 127 | .01 | 6 | .64 | .02 | .20 | 1 |
| 90R10 140-145 | 4 | 22 | 207 | 336 | .5 | 12 | 9 | 599 | 2.20 | 73 | 5 | ND | 7 | 57 | 2.5 | 2 | 2 | 6 | 1.16 | .067 | 26 | 38 | .35 | 102 | .01 | 2 | .65 | .02 | .25 | 1 |
| 90R10 145-150 | 3 | 32 | 44 | 99 | .5 | 13 | 8 | 596 | 2.05 | 41 | 5 | ND | 8 | 62 | .2 | 3 | 3 | 7 | .99 | .061 | 28 | 30 | .44 | 139 | .01 | 3 | .73 | .02 | .22 | 1 |
| STANDARD C | 18 | 60 | 39 | 134 | 7.3 | 72 | 31 | 1062 | 3.98 | 42 | 18 | 8 | 36 | 51 | 18.9 | 15 | 19 | 55 | .49 | .099 | 35 | 61 | .89 | 182 | .08 | 35 | 1.91 | .06 | .14 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R11 0-5 | 6 | 46 | 62 | 77 | .3 | 15 | 10 | 631 | 2.06 | 19 | 5 | ND | 1 | 18 | .2 | 2 | 2 | 12 | .21 | .053 | 16 | 76 | .57 | 390 | .01 | 3 | 1.01 | .01 | .17 | 1 |
| 90R11 5-10 | 5 | 40 | 10 | 83 | .3 | 12 | 5 | 299 | 1.63 | 34 | 5 | ND | 9 | 14 | .2 | 2 | 2 | 2 | .10 | .042 | 14 | 64 | .66 | 224 | .01 | 5 | .79 | .01 | .13 | 1 |
| 90R11 10-15 | 9 | 59 | 42 | 68 | .5 | 9 | 2 | 127 | 1.78 | 9 | 5 | ND | 6 | 50 | .2 | 2 | 2 | 3 | .10 | .044 | 12 | 104 | .45 | 410 | .01 | 3 | .62 | .01 | .19 | 1 |
| 90R11 15-20 | 10 | 33 | 24 | 76 | 1.1 | 16 | 12 | 413 | 1.44 | 14 | 5 | 4 | 4 | 14 | .2 | 2 | 2 | 3 | .11 | .026 | 11 | 116 | .34 | 211 | .01 | 6 | .55 | .01 | .12 | 2 |
| 90R11 20-25 | 7 | 42 | 15 | 94 | .5 | 17 | 16 | 575 | 2.04 | 14 | 5 | ND | 7 | 11 | .2 | 2 | 2 | 3 | .09 | .050 | 12 | 93 | .72 | 295 | .01 | 4 | 1.03 | .02 | .24 | 1 |
| 90R11 25-30 | 8 | 59 | 28 | 82 | 1.4 | 15 | 10 | 456 | 1.77 | 14 | 5 | ND | 8 | 8 | .2 | 2 | 2 | 2 | .08 | .039 | 12 | 86 | .67 | 196 | .01 | 4 | .81 | .02 | .21 | 1 |
| 90R11 30-35 | 9 | 62 | 28 | 86 | 1.0 | 13 | 7 | 242 | 1.87 | 48 | 5 | ND | 7 | 13 | .2 | 2 | 2 | 4 | .11 | .036 | 12 | 87 | .74 | 87 | .01 | 3 | .86 | .03 | .27 | 1 |
| 90R11 35-40 | 6 | 50 | 15 | 98 | .8 | 14 | 10 | 406 | 1.82 | 19 | 5 | ND | 5 | 48 | .4 | 2 | 2 | 4 | .91 | .074 | 8 | 65 | .72 | 100 | .01 | 2 | .68 | .01 | .19 | 1 |
| 90R11 40-45 | 5 | 47 | 24 | 143 | 1.6 | 16 | 9 | 526 | 1.96 | 13 | 5 | 2 | 6 | 83 | 1.1 | 2 | 2 | 3 | .83 | .039 | 8 | 50 | 1.04 | 70 | .01 | 3 | .75 | .02 | .23 | 1 |
| 90R11 45-50 | 3 | 44 | 63 | 113 | 1.2 | 17 | 12 | 900 | 2.95 | 18 | 5 | ND | 3 | 130 | .6 | 2 | 2 | 6 | 2.99 | .082 | 6 | 41 | 1.15 | 26 | .01 | 3 | .99 | .01 | .28 | 1 |
| 90R11 50-55 | 4 | 49 | 33 | 98 | .6 | 14 | 8 | 674 | 2.04 | 133 | 5 | ND | 6 | 81 | .3 | 2 | 2 | 4 | 2.22 | .063 | 7 | 35 | .84 | 37 | .01 | 4 | .80 | .01 | .25 | 1 |
| 90R11 55-60 | 3 | 39 | 26 | 102 | .6 | 13 | 8 | 727 | 2.62 | 179 | 5 | ND | 6 | 68 | .2 | 2 | 2 | 6 | 2.12 | .066 | 6 | 40 | 1.18 | 38 | .01 | 3 | 1.10 | .01 | .20 | 1 |
| 90R11 60-65 | 2 | 158 | 124 | 278 | 1.1 | 15 | 8 | 745 | 2.69 | 40 | 5 | ND | 6 | 56 | 1.6 | 2 | 2 | 6 | 1.70 | .062 | 7 | 42 | 1.42 | 74 | .01 | 4 | 1.26 | .01 | .19 | 1 |
| 90R11 65-70 | 3 | 146 | 219 | 459 | 1.1 | 14 | 8 | 735 | 2.78 | 18 | 5 | ND | 6 | 45 | 2.5 | 2 | 2 | 7 | 1.15 | .062 | 7 | 40 | 1.67 | 90 | .01 | 2 | 1.40 | .01 | .19 | 1 |
| 90R11 70-75 | 4 | 127 | 235 | 326 | 1.3 | 13 | 8 | 761 | 2.52 | 22 | 5 | ND | 6 | 61 | 2.1 | 2 | 2 | 6 | 2.00 | .066 | 7 | 36 | 1.33 | 93 | .01 | 2 | 1.25 | .01 | .18 | 1 |
| 90R11 75-80 | 3 | 26 | 36 | 127 | .4 | 11 | 7 | 591 | 1.93 | 34 | 5 | ND | 8 | 46 | .2 | 2 | 2 | 4 | 1.61 | .055 | 9 | 39 | .84 | 80 | .01 | 3 | .93 | .01 | .20 | 1 |
| 90R11 80-85 | 4 | 34 | 33 | 121 | .4 | 13 | 8 | 705 | 2.50 | 7 | 5 | ND | 6 | 49 | .2 | 2 | 2 | 6 | 1.66 | .062 | 11 | 36 | 1.31 | 40 | .01 | 2 | 1.22 | .02 | .19 | 1 |
| 90R11 85-90 | 4 | 48 | 91 | 191 | .8 | 13 | 8 | 691 | 2.47 | 8 | 5 | ND | 6 | 55 | .4 | 2 | 2 | 6 | 1.95 | .059 | 11 | 42 | 1.28 | 36 | .01 | 2 | 1.11 | .02 | .20 | 1 |
| 90R11 90-95 | 5 | 39 | 81 | 161 | .6 | 14 | 7 | 934 | 2.37 | 7 | 5 | ND | 6 | 64 | .5 | 2 | 2 | 5 | 2.51 | .049 | 9 | 45 | 1.29 | 35 | .01 | 4 | 1.06 | .01 | .19 | 1 |
| 90R11 95-100 | 4 | 56 | 60 | 142 | .6 | 14 | 8 | 792 | 2.52 | 9 | 5 | ND | 6 | 60 | .6 | 2 | 2 | 5 | 2.06 | .055 | 7 | 38 | 1.35 | 32 | .01 | 5 | 1.14 | .02 | .18 | 1 |
| 90R11 100-105 | 2 | 53 | 33 | 134 | .4 | 14 | 8 | 776 | 2.41 | 12 | 5 | ND | 6 | 63 | .2 | 2 | 2 | 5 | 2.33 | .061 | 6 | 30 | 1.13 | 44 | .01 | 2 | 1.01 | .01 | .17 | 1 |
| 90R11 105-110 | 2 | 109 | 52 | 159 | .8 | 12 | 7 | 602 | 2.09 | 10 | 5 | ND | 7 | 44 | .4 | 2 | 2 | 5 | 1.68 | .056 | 7 | 32 | .84 | 115 | .01 | 3 | .95 | .01 | .17 | 1 |
| 90R11 110-115 | 1 | 40 | 26 | 107 | .4 | 10 | 7 | 704 | 1.99 | 9 | 5 | ND | 6 | 61 | .3 | 2 | 2 | 4 | 2.39 | .052 | 8 | 26 | .97 | 114 | .01 | 2 | .93 | .01 | .17 | 1 |
| 90R11 115-120 | 2 | 55 | 21 | 84 | 1.1 | 11 | 8 | 938 | 2.24 | 14 | 5 | 2 | 5 | 94 | .7 | 2 | 2 | 4 | 3.24 | .053 | 6 | 38 | .92 | 94 | .01 | 4 | .67 | .01 | .22 | 1 |
| 90R11 120-125 | 4 | 36 | 48 | 110 | .5 | 13 | 7 | 827 | 2.16 | 24 | 5 | ND | 6 | 67 | .8 | 2 | 2 | 4 | 2.09 | .048 | 7 | 45 | .83 | 88 | .01 | 4 | .84 | .02 | .22 | 1 |
| 90R11 125-130 | 4 | 40 | 54 | 163 | .6 | 15 | 8 | 914 | 2.70 | 10 | 5 | ND | 6 | 79 | .3 | 2 | 2 | 5 | 2.64 | .050 | 6 | 33 | 1.23 | 85 | .01 | 4 | 1.06 | .02 | .20 | 1 |
| 90R11 130-135 | 3 | 33 | 16 | 70 | .5 | 11 | 7 | 489 | 1.64 | 31 | 5 | ND | 7 | 48 | .2 | 2 | 2 | 3 | 1.36 | .054 | 11 | 36 | .53 | 104 | .01 | 5 | .63 | .01 | .24 | 1 |
| 90R11 135-140 | 2 | 30 | 23 | 65 | .5 | 14 | 8 | 786 | 1.73 | 34 | 5 | ND | 7 | 62 | .2 | 2 | 2 | 4 | 2.56 | .053 | 9 | 29 | .66 | 82 | .01 | 4 | .75 | .01 | .22 | 1 |
| 90R11 140-145 | 5 | 35 | 25 | 74 | .8 | 16 | 9 | 852 | 2.02 | 46 | 5 | ND | 7 | 68 | .3 | 2 | 2 | 4 | 2.31 | .046 | 11 | 34 | .75 | 91 | .01 | 5 | .69 | .02 | .21 | 1 |
| 90R11 145-150 | 3 | 43 | 22 | 97 | .8 | 14 | 10 | 886 | 2.72 | 57 | 5 | ND | 7 | 75 | .5 | 2 | 2 | 9 | 2.56 | .052 | 10 | 31 | .71 | 66 | .01 | 5 | .83 | .01 | .19 | 1 |
| STANDARD C | 18 | 63 | 40 | 131 | 6.7 | 67 | 29 | 1048 | 3.97 | 43 | 17 | 8 | 36 | 47 | 17.4 | 15 | 23 | 55 | .44 | .097 | 36 | 55 | .87 | 175 | .08 | 35 | 1.89 | .07 | .14 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R12 0-5 | 5 | 61 | 95 | 198 | .5 | 23 | 13 | 1047 | 2.17 | 3 | 5 | ND | 7 | 11 | .8 | 2 | 2 | 6 | .19 | .063 | 12 | 59 | 1.00 | 293 | .01 | 5 | 1.18 | .02 | .25 | 1 |
| 90R12 5-10 | 4 | 73 | 62 | 249 | .4 | 34 | 19 | 948 | 2.63 | 4 | 5 | ND | 8 | 14 | .7 | 3 | 2 | 6 | .26 | .069 | 15 | 52 | .84 | 182 | .01 | 7 | 1.34 | .01 | .25 | 1 |
| 90R12 10-15 | 4 | 49 | 39 | 169 | .5 | 24 | 14 | 846 | 2.30 | 5 | 5 | ND | 8 | 12 | .2 | 2 | 2 | 6 | .20 | .068 | 13 | 58 | .58 | 198 | .01 | 5 | 1.03 | .02 | .30 | 1 |
| 90R12 15-20 | 4 | 62 | 30 | 148 | .4 | 21 | 13 | 850 | 2.73 | 5 | 5 | ND | 8 | 13 | .2 | 2 | 2 | 7 | .27 | .070 | 11 | 53 | .73 | 202 | .01 | 8 | 1.05 | .02 | .30 | 1 |
| 90R12 20-25 | 2 | 36 | 16 | 137 | .2 | 20 | 9 | 807 | 2.59 | 2 | 5 | ND | 9 | 41 | .2 | 2 | 2 | 7 | .96 | .069 | 10 | 38 | 1.00 | 160 | .01 | 4 | 1.06 | .02 | .24 | 1 |
| 90R12 25-30 | 5 | 71 | 25 | 124 | .5 | 18 | 9 | 815 | 2.25 | 11 | 5 | ND | 8 | 70 | .2 | 2 | 2 | 4 | 1.91 | .059 | 7 | 40 | 1.00 | 131 | .01 | 4 | .70 | .02 | .27 | 1 |
| 90R12 30-35 | 4 | 49 | 69 | 264 | 1.1 | 16 | 9 | 801 | 2.23 | 3 | 5 | ND | 6 | 89 | 2.5 | 2 | 2 | 5 | 2.46 | .058 | 6 | 48 | .98 | 62 | .01 | 5 | .76 | .02 | .32 | 1 |
| 90R12 35-40 | 5 | 51 | 82 | 246 | .8 | 17 | 9 | 604 | 2.06 | 2 | 5 | ND | 6 | 58 | 2.1 | 2 | 2 | 4 | 1.56 | .043 | 7 | 50 | .80 | 44 | .01 | 4 | .67 | .02 | .35 | 1 |
| 90R12 40-45 | 3 | 42 | 17 | 111 | .6 | 17 | 8 | 608 | 1.95 | 2 | 5 | ND | 8 | 50 | .2 | 2 | 2 | 4 | 1.49 | .053 | 7 | 39 | .75 | 127 | .01 | 6 | .65 | .02 | .27 | 1 |
| 90R12 45-50 | 4 | 39 | 41 | 94 | .6 | 17 | 9 | 610 | 2.34 | 3 | 5 | ND | 8 | 50 | .2 | 2 | 2 | 5 | 1.73 | .064 | 6 | 39 | .85 | 118 | .01 | 6 | .84 | .02 | .29 | 1 |
| 90R12 50-55 | 4 | 63 | 33 | 93 | .8 | 18 | 9 | 591 | 2.27 | 5 | 5 | ND | 8 | 49 | .2 | 2 | 2 | 2 | 1.76 | .058 | 5 | 35 | .74 | 84 | .01 | 6 | .56 | .01 | .19 | 2 |
| 90R12 55-60 | 6 | 105 | 189 | 145 | 1.6 | 18 | 8 | 422 | 1.92 | 3 | 5 | ND | 8 | 32 | 1.8 | 2 | 2 | 1 | 1.12 | .044 | 5 | 30 | .44 | 44 | .01 | 10 | .33 | .01 | .20 | 1 |
| 90R12 60-65 | 4 | 118 | 174 | 190 | 1.7 | 17 | 9 | 434 | 2.05 | 5 | 5 | ND | 8 | 34 | 1.2 | 2 | 3 | 2 | 1.29 | .051 | 5 | 38 | .48 | 45 | .01 | 4 | .41 | .01 | .22 | 2 |
| 90R12 65-70 | 7 | 111 | 250 | 539 | 2.3 | 15 | 8 | 377 | 1.73 | 4 | 5 | ND | 7 | 27 | 5.7 | 5 | 2 | 2 | .94 | .042 | 7 | 40 | .37 | 47 | .01 | 2 | .42 | .02 | .24 | 3 |
| 90R12 70-75 | 6 | 95 | 116 | 129 | 1.3 | 18 | 9 | 420 | 2.04 | 3 | 5 | ND | 9 | 27 | .6 | 5 | 2 | 2 | .91 | .062 | 10 | 31 | .47 | 90 | .01 | 9 | .47 | .01 | .19 | 3 |
| 90R12 75-80 | 2 | 24 | 22 | 87 | .3 | 15 | 9 | 464 | 1.91 | 2 | 5 | ND | 10 | 33 | .2 | 2 | 2 | 5 | 1.12 | .068 | 13 | 37 | .80 | 119 | .01 | 3 | .94 | .02 | .21 | 1 |
| 90R12 80-85 | 4 | 25 | 46 | 49 | .4 | 14 | 8 | 443 | 1.68 | 3 | 5 | ND | 9 | 30 | .2 | 2 | 2 | 3 | 1.12 | .056 | 8 | 39 | .43 | 117 | .01 | 6 | .50 | .02 | .20 | 1 |
| 90R12 85-90 | 4 | 35 | 21 | 56 | .4 | 16 | 9 | 488 | 1.86 | 3 | 5 | ND | 8 | 37 | .2 | 2 | 2 | 3 | 1.59 | .051 | 7 | 32 | .41 | 70 | .01 | 4 | .54 | .02 | .25 | 2 |
| 90R12 90-95 | 4 | 39 | 11 | 70 | .4 | 16 | 8 | 543 | 1.80 | 2 | 5 | ND | 9 | 44 | .2 | 2 | 2 | 3 | 1.64 | .052 | 8 | 34 | .53 | 93 | .01 | 6 | .57 | .02 | .23 | 2 |
| 90R12 95-100 | 4 | 38 | 20 | 61 | .5 | 18 | 9 | 578 | 1.81 | 5 | 5 | ND | 8 | 47 | .2 | 2 | 2 | 3 | 1.81 | .052 | 6 | 29 | .52 | 113 | .01 | 7 | .53 | .01 | .21 | 2 |
| 90R12 100-105 | 5 | 35 | 30 | 49 | .3 | 14 | 8 | 676 | 1.89 | 2 | 5 | ND | 7 | 68 | .2 | 2 | 2 | 3 | 2.15 | .044 | 7 | 35 | .53 | 117 | .01 | 2 | .56 | .02 | .24 | 2 |
| 90R12 105-110 | 4 | 42 | 21 | 53 | .4 | 14 | 8 | 549 | 1.83 | 3 | 5 | ND | 8 | 61 | .2 | 2 | 2 | 4 | 1.73 | .057 | 8 | 35 | .50 | 120 | .01 | 5 | .54 | .02 | .26 | 2 |
| 90R12 110-115 | 3 | 24 | 15 | 64 | .3 | 11 | 9 | 577 | 1.54 | 25 | 5 | ND | 7 | 35 | .2 | 2 | 2 | 5 | .94 | .067 | 12 | 40 | .49 | 159 | .01 | 2 | .58 | .02 | .23 | 1 |
| 90R12 115-120 | 3 | 27 | 32 | 59 | 1.2 | 13 | 10 | 673 | 1.84 | 62 | 5 | ND | 8 | 20 | .2 | 2 | 2 | 6 | .55 | .068 | 14 | 42 | .38 | 121 | .01 | 5 | .52 | .03 | .22 | 1 |
| 90R12 120-125 | 3 | 19 | 15 | 75 | .6 | 13 | 9 | 718 | 2.25 | 40 | 5 | ND | 8 | 64 | .2 | 2 | 2 | 7 | 1.54 | .066 | 11 | 36 | .61 | 120 | .01 | 3 | .67 | .02 | .18 | 2 |
| 90R12 125-130 | 2 | 21 | 17 | 68 | .1 | 13 | 8 | 539 | 1.65 | 2 | 5 | ND | 9 | 77 | .2 | 2 | 2 | 5 | 1.50 | .066 | 13 | 31 | .62 | 153 | .01 | 3 | .69 | .03 | .21 | 1 |
| 90R12 130-135 | 2 | 19 | 11 | 50 | .7 | 12 | 8 | 575 | 1.55 | 2 | 5 | ND | 7 | 119 | .2 | 2 | 2 | 3 | 1.56 | .062 | 9 | 32 | .61 | 155 | .01 | 5 | .57 | .03 | .19 | 3 |
| 90R12 135-140 | 3 | 15 | 19 | 83 | .2 | 16 | 9 | 788 | 2.48 | 4 | 5 | ND | 9 | 55 | .2 | 2 | 2 | 6 | 1.15 | .059 | 11 | 27 | .99 | 55 | .01 | 6 | .88 | .02 | .15 | 2 |
| 90R12 140-145 | 3 | 19 | 17 | 90 | .2 | 17 | 10 | 833 | 2.64 | 5 | 5 | ND | 10 | 47 | .2 | 2 | 2 | 9 | 1.39 | .064 | 16 | 34 | .84 | 88 | .01 | 2 | .91 | .02 | .19 | 1 |
| 90R12 145-150 | 4 | 23 | 26 | 62 | .3 | 15 | 9 | 754 | 2.47 | 4 | 5 | ND | 10 | 54 | .2 | 2 | 2 | 6 | 1.61 | .062 | 20 | 38 | .47 | 39 | .01 | 6 | .61 | .02 | .23 | 3 |
| STANDARD C | 20 | 62 | 43 | 133 | 7.3 | 73 | 32 | 1045 | 3.98 | 42 | 15 | 7 | 39 | 52 | 18.4 | 15 | 22 | 58 | .46 | .097 | 38 | 61 | .87 | 181 | .08 | 38 | 1.90 | .07 | .14 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R13 0-5 | 1 | 18 | 21 | 64 | .7 | 11 | 7 | 457 | 2.12 | 151 | 5 | ND | 12 | 12 | .4 | 4 | 2 | 11 | .09 | .047 | 25 | 37 | .59 | 209 | .01 | 3 | .79 | .02 | .10 | 1 |
| 90R13 5-10 | 1 | 18 | 16 | 73 | .9 | 11 | 5 | 392 | 2.02 | 163 | 5 | ND | 12 | 7 | .2 | 3 | 2 | 12 | .08 | .050 | 30 | 59 | .72 | 66 | .01 | 5 | .88 | .05 | .07 | 1 |
| 90R13 10-15 | 2 | 19 | 20 | 36 | .7 | 6 | 2 | 193 | 1.70 | 65 | 6 | ND | 11 | 7 | .2 | 2 | 2 | 7 | .04 | .053 | 23 | 38 | .28 | 169 | .01 | 4 | .60 | .03 | .23 | 1 |
| 90R13 15-20 | 3 | 27 | 35 | 30 | .4 | 5 | 1 | 139 | 1.66 | 50 | 5 | ND | 12 | 5 | .2 | 3 | 2 | 6 | .03 | .049 | 22 | 47 | .20 | 209 | .01 | 4 | .61 | .03 | .27 | 1 |
| 90R13 20-25 | 2 | 44 | 40 | 24 | .7 | 2 | 1 | 96 | 1.61 | 18 | 5 | ND | 10 | 6 | .2 | 2 | 2 | 4 | .02 | .045 | 16 | 34 | .13 | 170 | .01 | 4 | .45 | .03 | .24 | 2 |
| 90R13 25-30 | 4 | 28 | 25 | 24 | .7 | 4 | 1 | 109 | 1.46 | 23 | 6 | ND | 10 | 8 | .2 | 2 | 2 | 5 | .03 | .044 | 19 | 53 | .16 | 299 | .01 | 4 | .52 | .04 | .27 | 1 |
| 90R13 30-35 | 2 | 36 | 18 | 30 | .4 | 6 | 3 | 155 | 1.51 | 21 | 5 | ND | 11 | 11 | .2 | 2 | 2 | 4 | .07 | .060 | 17 | 34 | .26 | 156 | .01 | 4 | .59 | .03 | .24 | 1 |
| 90R13 35-40 | 4 | 15 | 27 | 24 | .5 | 6 | 4 | 113 | 1.42 | 21 | 5 | ND | 10 | 8 | .2 | 2 | 2 | 4 | .09 | .047 | 14 | 37 | .17 | 149 | .01 | 3 | .54 | .02 | .29 | 1 |
| 90R13 40-45 | 2 | 24 | 23 | 45 | .7 | 12 | 8 | 362 | 1.80 | 45 | 5 | ND | 9 | 30 | .7 | 2 | 2 | 4 | .59 | .055 | 14 | 24 | .40 | 70 | .01 | 5 | .74 | .02 | .25 | 2 |
| 90R13 45-50 | 1 | 24 | 22 | 38 | .5 | 13 | 9 | 411 | 2.28 | 24 | 5 | ND | 8 | 43 | .6 | 2 | 2 | 5 | .94 | .056 | 8 | 21 | .28 | 24 | .01 | 4 | .55 | .02 | .24 | 1 |
| 90R13 50-55 | 1 | 8 | 21 | 21 | .5 | 10 | 8 | 449 | 1.36 | 10 | 5 | ND | 9 | 58 | .2 | 2 | 2 | 3 | 1.09 | .048 | 11 | 23 | .27 | 18 | .01 | 4 | .57 | .02 | .25 | 1 |
| 90R13 55-60 | 2 | 35 | 23 | 51 | .9 | 14 | 8 | 479 | 1.98 | 13 | 5 | ND | 8 | 60 | .9 | 3 | 2 | 5 | 1.27 | .060 | 8 | 34 | .42 | 15 | .01 | 3 | .63 | .02 | .26 | 1 |
| 90R13 60-65 | 2 | 26 | 25 | 33 | .6 | 11 | 7 | 442 | 1.66 | 12 | 6 | ND | 8 | 55 | .5 | 3 | 2 | 4 | 1.10 | .053 | 8 | 25 | .42 | 21 | .01 | 4 | .58 | .02 | .21 | 1 |
| 90R13 65-70 | 2 | 20 | 26 | 18 | .4 | 7 | 7 | 291 | 1.07 | 8 | 5 | ND | 9 | 32 | .3 | 2 | 2 | 3 | .76 | .048 | 10 | 21 | .14 | 104 | .01 | 4 | .41 | .02 | .24 | 1 |
| 90R13 70-75 | 1 | 24 | 21 | 26 | .3 | 8 | 6 | 338 | 1.24 | 16 | 5 | ND | 9 | 36 | .5 | 2 | 2 | 3 | .95 | .045 | 10 | 23 | .20 | 79 | .01 | 3 | .42 | .02 | .23 | 1 |
| 90R13 75-80 | 2 | 27 | 69 | 48 | .7 | 8 | 6 | 532 | 1.65 | 17 | 5 | ND | 8 | 57 | .4 | 2 | 2 | 5 | 1.17 | .047 | 11 | 24 | .42 | 33 | .01 | 3 | .62 | .02 | .22 | 1 |
| 90R13 80-85 | 2 | 17 | 32 | 26 | .6 | 9 | 6 | 386 | 1.50 | 12 | 5 | ND | 9 | 36 | .2 | 2 | 2 | 5 | .68 | .045 | 12 | 25 | .28 | 84 | .01 | 3 | .55 | .02 | .24 | 1 |
| 90R13 85-90 | 1 | 29 | 35 | 36 | 1.0 | 10 | 8 | 473 | 1.98 | 17 | 5 | ND | 8 | 54 | .4 | 3 | 2 | 6 | 1.26 | .062 | 13 | 24 | .22 | 42 | .01 | 3 | .52 | .02 | .29 | 1 |
| 90R13 90-95 | 2 | 43 | 43 | 46 | 1.1 | 9 | 7 | 469 | 1.74 | 14 | 5 | ND | 11 | 42 | .3 | 4 | 2 | 6 | 1.26 | .062 | 22 | 24 | .25 | 69 | .01 | 3 | .55 | .02 | .29 | 1 |
| 90R13 95-100 | 2 | 23 | 43 | 69 | 1.1 | 12 | 8 | 507 | 1.83 | 39 | 5 | ND | 9 | 54 | .4 | 2 | 2 | 7 | 1.57 | .062 | 25 | 27 | .29 | 91 | .01 | 3 | .62 | .01 | .27 | 1 |
| 90R13 100-105 | 2 | 20 | 51 | 46 | .6 | 11 | 8 | 501 | 1.84 | 11 | 5 | ND | 9 | 61 | .3 | 2 | 2 | 7 | 1.79 | .060 | 21 | 29 | .28 | 57 | .01 | 4 | .65 | .02 | .27 | 1 |
| 90R13 105-110 | 2 | 24 | 21 | 46 | 1.3 | 11 | 8 | 499 | 1.83 | 6 | 5 | 3 | 8 | 65 | .2 | 2 | 2 | 8 | 1.46 | .074 | 14 | 32 | .40 | 23 | .01 | 3 | .74 | .03 | .28 | 2 |
| 90R13 110-115 | 1 | 22 | 65 | 73 | .8 | 12 | 8 | 600 | 2.16 | 9 | 5 | ND | 9 | 71 | .4 | 3 | 2 | 11 | 1.60 | .062 | 16 | 28 | .42 | 35 | .02 | 5 | .83 | .02 | .23 | 1 |
| 90R13 115-120 | 1 | 21 | 43 | 85 | .7 | 17 | 10 | 689 | 2.42 | 11 | 5 | ND | 8 | 82 | .3 | 2 | 2 | 11 | 2.22 | .056 | 16 | 67 | .76 | 52 | .01 | 4 | 1.05 | .02 | .19 | 1 |
| 90R13 120-125 | 1 | 26 | 19 | 75 | .6 | 16 | 8 | 410 | 2.55 | 10 | 5 | ND | 9 | 40 | .3 | 2 | 2 | 8 | 1.05 | .055 | 14 | 30 | .48 | 30 | .01 | 4 | .77 | .03 | .14 | 1 |
| 90R13 125-130 | 1 | 26 | 15 | 56 | .6 | 14 | 8 | 271 | 1.73 | 7 | 5 | ND | 8 | 37 | .2 | 2 | 2 | 6 | .98 | .057 | 12 | 24 | .27 | 26 | .01 | 5 | .54 | .02 | .15 | 1 |
| 90R13 130-135 | 2 | 31 | 16 | 35 | .3 | 15 | 8 | 245 | 2.05 | 7 | 5 | ND | 8 | 32 | .2 | 2 | 2 | 5 | 1.09 | .054 | 9 | 22 | .20 | 15 | .01 | 4 | .45 | .02 | .14 | 1 |
| 90R13 135-140 | 2 | 14 | 44 | 94 | .4 | 12 | 7 | 483 | 2.12 | 9 | 5 | ND | 8 | 71 | .3 | 2 | 2 | 9 | 2.14 | .054 | 10 | 29 | .82 | 78 | .01 | 5 | 1.12 | .02 | .15 | 1 |
| 90R13 140-145 | 1 | 16 | 88 | 86 | .6 | 10 | 7 | 502 | 2.26 | 11 | 5 | ND | 8 | 96 | .3 | 3 | 2 | 8 | 2.38 | .053 | 13 | 27 | .84 | 60 | .01 | 6 | 1.02 | .02 | .17 | 1 |
| 90R13 145-150 | 1 | 27 | 107 | 98 | 1.1 | 13 | 8 | 536 | 2.50 | 8 | 5 | ND | 8 | 71 | .3 | 4 | 2 | 10 | 2.07 | .059 | 16 | 40 | .96 | 41 | .01 | 5 | 1.25 | .02 | .17 | 1 |
| STANDARD C | 18 | 57 | 40 | 132 | 7.1 | 72 | 31 | 1053 | 3.95 | 42 | 22 | 7 | 38 | 53 | 19.1 | 15 | 22 | 56 | .46 | .096 | 38 | 59 | .89 | 181 | .07 | 36 | 1.89 | .06 | .13 | 11 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R14 0-5 | 2 | 17 | 24 | 55 | .6 | 9 | 7 | 402 | 1.28 | 5 | 5 | ND | 11 | 22 | .2 | 2 | 2 | 5 | .23 | .037 | 19 | 29 | .64 | 379 | .02 | 2 | .77 | .01 | .19 | 1 |
| 90R14 5-10 | 2 | 17 | 18 | 72 | .2 | 15 | 7 | 435 | 1.64 | 4 | 5 | ND | 10 | 30 | .5 | 2 | 2 | 8 | .30 | .043 | 22 | 40 | .92 | 350 | .03 | 2 | 1.04 | .02 | .27 | 1 |
| 90R14 10-15 | 3 | 25 | 16 | 56 | .4 | 13 | 8 | 498 | 1.31 | 3 | 5 | ND | 8 | 48 | .3 | 2 | 2 | 6 | .32 | .036 | 17 | 43 | .81 | 571 | .01 | 3 | .85 | .02 | .30 | 1 |
| 90R14 15-20 | 2 | 33 | 33 | 95 | 2.3 | 18 | 10 | 546 | 1.33 | 3 | 5 | 5 | 7 | 34 | .4 | 2 | 2 | 4 | .34 | .029 | 10 | 51 | .81 | 377 | .01 | 2 | .68 | .01 | .22 | 1 |
| 90R14 20-25 | 3 | 34 | 76 | 155 | .9 | 22 | 14 | 571 | 3.02 | 4 | 5 | ND | 3 | 23 | .2 | 3 | 2 | 11 | .18 | .062 | 5 | 93 | 1.78 | 74 | .01 | 4 | 1.34 | .01 | .22 | 1 |
| 90R14 25-30 | 4 | 20 | 20 | 74 | .9 | 9 | 6 | 333 | 1.01 | 5 | 5 | ND | 10 | 23 | .2 | 2 | 2 | 1 | .14 | .020 | 12 | 45 | .53 | 393 | .01 | 2 | .57 | .01 | .19 | 1 |
| 90R14 30-35 | 6 | 88 | 319 | 64 | 4.2 | 6 | 3 | 319 | .61 | 6 | 5 | ND | 10 | 23 | .7 | 2 | 2 | 1 | .07 | .008 | 12 | 59 | .26 | 804 | .01 | 2 | .36 | .01 | .14 | 1 |
| 90R14 35-40 | 5 | 61 | 40 | 58 | .3 | 5 | 4 | 332 | .64 | 7 | 5 | ND | 13 | 10 | .3 | 2 | 2 | 1 | .06 | .010 | 17 | 58 | .31 | 438 | .01 | 2 | .57 | .01 | .20 | 1 |
| 90R14 40-45 | 2 | 53 | 24 | 159 | .4 | 16 | 13 | 667 | 2.10 | 16 | 5 | ND | 5 | 49 | .2 | 2 | 2 | 5 | .54 | .054 | 7 | 60 | 1.18 | 141 | .01 | 2 | 1.13 | .01 | .15 | 1 |
| 90R14 45-50 | 6 | 44 | 60 | 90 | .5 | 15 | 9 | 218 | 2.12 | 6 | 5 | ND | 6 | 22 | .2 | 2 | 2 | 3 | .19 | .052 | 7 | 51 | .52 | 48 | .01 | 2 | .77 | .01 | .20 | 1 |
| 90R14 50-55 | 4 | 69 | 23 | 84 | .3 | 10 | 6 | 186 | 2.08 | 7 | 5 | ND | 5 | 31 | .2 | 2 | 2 | 2 | .16 | .057 | 7 | 41 | .61 | 101 | .01 | 2 | .73 | .01 | .19 | 1 |
| 90R14 55-60 | 4 | 36 | 41 | 101 | .4 | 8 | 5 | 384 | 1.77 | 9 | 5 | ND | 6 | 17 | .2 | 2 | 2 | 2 | .16 | .045 | 8 | 42 | .71 | 156 | .01 | 2 | .79 | .01 | .15 | 1 |
| 90R14 60-65 | 3 | 56 | 33 | 97 | .7 | 9 | 6 | 201 | 1.78 | 6 | 5 | ND | 7 | 18 | .2 | 2 | 2 | 2 | .15 | .041 | 8 | 38 | .78 | 131 | .01 | 2 | .80 | .01 | .16 | 1 |
| 90R14 65-70 | 4 | 133 | 76 | 124 | 1.1 | 16 | 8 | 200 | 1.87 | 3 | 5 | ND | 6 | 30 | .2 | 2 | 2 | 2 | .17 | .041 | 10 | 42 | .88 | 122 | .01 | 2 | .83 | .01 | .19 | 1 |
| 90R14 70-75 | 4 | 47 | 21 | 93 | .9 | 16 | 9 | 208 | 2.18 | 6 | 5 | ND | 6 | 39 | .2 | 2 | 2 | 3 | .26 | .048 | 9 | 45 | .63 | 101 | .01 | 2 | .76 | .01 | .21 | 1 |
| 90R14 75-80 | 4 | 45 | 32 | 59 | 1.4 | 14 | 8 | 323 | 1.82 | 8 | 5 | 2 | 6 | 34 | .2 | 2 | 2 | 2 | .37 | .043 | 7 | 35 | .48 | 54 | .01 | 2 | .59 | .01 | .16 | 1 |
| 90R14 80-85 | 3 | 39 | 7 | 50 | 1.1 | 13 | 9 | 806 | 1.86 | 6 | 5 | 2 | 4 | 84 | .2 | 2 | 2 | 3 | 1.96 | .058 | 6 | 39 | .77 | 95 | .01 | 2 | .58 | .01 | .22 | 1 |
| 90R14 85-90 | 3 | 27 | 39 | 77 | 1.0 | 18 | 10 | 534 | 1.97 | 15 | 5 | ND | 6 | 31 | .2 | 2 | 2 | 2 | .58 | .067 | 10 | 25 | .53 | 69 | .01 | 2 | .76 | .01 | .17 | 1 |
| 90R14 90-95 | 3 | 33 | 11 | 23 | .5 | 13 | 10 | 702 | 1.64 | 15 | 5 | ND | 8 | 52 | .2 | 2 | 2 | 2 | 2.04 | .069 | 10 | 31 | .15 | 46 | .01 | 2 | .48 | .01 | .22 | 1 |
| 90R14 95-100 | 2 | 61 | 18 | 60 | 1.0 | 15 | 10 | 571 | 2.29 | 29 | 5 | ND | 8 | 60 | .2 | 2 | 2 | 2 | 1.76 | .067 | 13 | 26 | .33 | 34 | .01 | 2 | .61 | .01 | .23 | 1 |
| 90R14 100-105 | 3 | 39 | 14 | 107 | .6 | 19 | 10 | 520 | 2.44 | 29 | 5 | ND | 6 | 87 | .2 | 2 | 2 | 5 | 2.02 | .047 | 14 | 74 | .95 | 43 | .01 | 2 | .98 | .01 | .19 | 1 |
| 90R14 105-110 | 3 | 18 | 231 | 144 | 1.2 | 8 | 4 | 264 | .93 | 10 | 5 | ND | 13 | 31 | .9 | 2 | 2 | 1 | .50 | .026 | 16 | 41 | .23 | 123 | .01 | 3 | .40 | .02 | .18 | 1 |
| 90R14 110-115 | 2 | 14 | 67 | 121 | .4 | 8 | 5 | 226 | 1.20 | 7 | 5 | ND | 10 | 35 | .2 | 2 | 2 | 1 | .43 | .037 | 10 | 31 | .11 | 93 | .01 | 2 | .33 | .03 | .17 | 1 |
| 90R14 115-120 | 3 | 14 | 25 | 172 | .2 | 11 | 7 | 316 | 1.10 | 3 | 5 | ND | 10 | 32 | 1.1 | 2 | 2 | 1 | .57 | .033 | 11 | 40 | .29 | 80 | .01 | 3 | .47 | .01 | .22 | 1 |
| 90R14 120-125 | 5 | 8 | 29 | 156 | .2 | 7 | 5 | 258 | .91 | 5 | 5 | ND | 10 | 26 | .5 | 2 | 2 | 1 | .50 | .024 | 13 | 60 | .13 | 133 | .01 | 2 | .33 | .01 | .18 | 2 |
| 90R14 125-130 | 2 | 34 | 113 | 103 | .2 | 5 | 4 | 133 | .78 | 5 | 5 | ND | 15 | 17 | 1.9 | 2 | 2 | 1 | .31 | .020 | 15 | 22 | .06 | 167 | .01 | 2 | .28 | .02 | .18 | 1 |
| 90R14 130-135 | 3 | 10 | 70 | 57 | .1 | 4 | 2 | 100 | .46 | 3 | 5 | ND | 17 | 21 | .6 | 2 | 2 | 1 | .26 | .013 | 17 | 27 | .06 | 325 | .01 | 2 | .31 | .02 | .19 | 1 |
| 90R14 135-140 | 3 | 8 | 38 | 24 | .2 | 4 | 3 | 206 | .43 | 2 | 5 | ND | 15 | 35 | .2 | 2 | 2 | 1 | .60 | .013 | 15 | 25 | .14 | 410 | .01 | 2 | .34 | .03 | .18 | 2 |
| 90R14 140-145 | 2 | 20 | 2 | 80 | .2 | 10 | 6 | 607 | 1.20 | 21 | 5 | ND | 7 | 68 | .2 | 2 | 2 | 3 | 1.78 | .042 | 8 | 28 | .75 | 130 | .01 | 2 | .74 | .01 | .20 | 1 |
| 90R14 145-150 | 3 | 44 | 6 | 79 | .3 | 12 | 7 | 659 | 1.54 | 35 | 5 | ND | 5 | 79 | .2 | 2 | 2 | 3 | 2.56 | .046 | 7 | 29 | .71 | 65 | .01 | 2 | .71 | .01 | .20 | 1 |
| STANDARD C | 18 | 60 | 39 | 131 | 7.3 | 72 | 32 | 1087 | 3.97 | 44 | 18 | 8 | 36 | 50 | 18.5 | 14 | 18 | 56 | .50 | .098 | 37 | 61 | .90 | 181 | .08 | 32 | 1.91 | .06 | .14 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R15 0-5 | 5 | 46 | 69 | 44 | .9 | 7 | 1 | 313 | 1.70 | 18 | 5 | ND | 8 | 128 | .5 | 2 | 2 | 5 | .13 | .039 | 12 | 54 | .61 | 355 | .01 | 5 | .75 | .01 | .26 | 2 |
| 90R15 5-10 | 3 | 72 | 55 | 119 | 1.2 | 9 | 2 | 533 | 2.68 | 73 | 5 | ND | 9 | 134 | .2 | 2 | 2 | 7 | .04 | .067 | 16 | 40 | 1.72 | 198 | .01 | 9 | 1.65 | .01 | .22 | 1 |
| 90R15 10-15 | 4 | 76 | 62 | 78 | 1.9 | 7 | 2 | 219 | 1.67 | 30 | 5 | ND | 9 | 44 | .4 | 2 | 2 | 7 | .02 | .045 | 16 | 56 | .89 | 578 | .01 | 7 | 1.18 | .02 | .29 | 2 |
| 90R15 15-20 | 6 | 49 | 96 | 49 | 1.1 | 5 | 1 | 174 | 1.61 | 12 | 5 | ND | 10 | 47 | .2 | 2 | 2 | 3 | .03 | .051 | 13 | 39 | .66 | 226 | .01 | 7 | .81 | .02 | .23 | 1 |
| 90R15 20-25 | 6 | 66 | 131 | 61 | 1.3 | 4 | 1 | 128 | 1.69 | 9 | 5 | ND | 10 | 44 | .2 | 2 | 2 | 3 | .01 | .054 | 13 | 40 | .72 | 211 | .01 | 8 | .91 | .02 | .27 | 1 |
| 90R15 25-30 | 4 | 62 | 42 | 59 | .7 | 6 | 2 | 104 | 1.75 | 7 | 5 | ND | 10 | 99 | .2 | 2 | 2 | 4 | .01 | .047 | 13 | 50 | .51 | 523 | .01 | 8 | .93 | .03 | .34 | 1 |
| 90R15 30-35 | 3 | 43 | 41 | 63 | .7 | 8 | 4 | 162 | 1.61 | 14 | 5 | ND | 9 | 149 | .2 | 2 | 2 | 4 | .03 | .050 | 16 | 45 | .38 | 300 | .01 | 6 | .89 | .01 | .31 | 1 |
| 90R15 35-40 | 3 | 39 | 12 | 68 | .5 | 13 | 8 | 399 | 2.03 | 20 | 5 | ND | 7 | 40 | .4 | 2 | 2 | 6 | .37 | .062 | 10 | 40 | .36 | 236 | .01 | 6 | .72 | .02 | .25 | 1 |
| 90R15 40-45 | 4 | 26 | 45 | 31 | 1.7 | 8 | 3 | 171 | 1.68 | 10 | 5 | ND | 9 | 49 | .2 | 2 | 2 | 5 | .32 | .069 | 13 | 49 | .14 | 345 | .01 | 8 | .50 | .05 | .31 | 1 |
| 90R15 45-50 | 4 | 13 | 39 | 20 | .9 | 5 | 2 | 58 | 1.31 | 7 | 5 | ND | 10 | 41 | .2 | 2 | 2 | 4 | .05 | .040 | 14 | 40 | .06 | 332 | .01 | 6 | .31 | .05 | .26 | 1 |
| 90R15 50-55 | 4 | 17 | 21 | 31 | .4 | 12 | 8 | 383 | 1.52 | 3 | 5 | ND | 8 | 35 | .8 | 2 | 2 | 3 | .58 | .059 | 10 | 34 | .02 | 44 | .01 | 5 | .33 | .04 | .23 | 2 |
| 90R15 55-60 | 3 | 21 | 13 | 32 | .7 | 9 | 6 | 386 | 1.88 | 5 | 5 | ND | 8 | 61 | .2 | 2 | 2 | 7 | .93 | .062 | 10 | 41 | .26 | 173 | .02 | 7 | .49 | .04 | .26 | 3 |
| 90R15 60-65 | 3 | 21 | 13 | 58 | .4 | 13 | 9 | 708 | 1.94 | 4 | 5 | ND | 9 | 79 | .7 | 2 | 2 | 7 | 1.65 | .063 | 11 | 38 | .48 | 173 | .01 | 6 | .71 | .02 | .24 | 1 |
| 90R15 65-70 | 3 | 25 | 11 | 81 | .5 | 16 | 9 | 650 | 1.93 | 18 | 5 | ND | 9 | 94 | .2 | 2 | 2 | 6 | 1.43 | .068 | 15 | 53 | .82 | 132 | .01 | 7 | .96 | .03 | .27 | 1 |
| 90R15 70-75 | 2 | 22 | 11 | 78 | .5 | 15 | 8 | 644 | 2.07 | 16 | 5 | ND | 9 | 101 | .4 | 2 | 2 | 7 | 1.52 | .066 | 13 | 38 | .94 | 98 | .03 | 6 | .97 | .02 | .25 | 1 |
| 90R15 75-80 | 2 | 21 | 16 | 59 | .5 | 11 | 9 | 616 | 1.65 | 5 | 5 | ND | 8 | 85 | .2 | 2 | 2 | 5 | 1.68 | .068 | 10 | 36 | .67 | 91 | .02 | 9 | .73 | .02 | .25 | 2 |
| 90R15 80-85 | 3 | 20 | 16 | 33 | .9 | 10 | 8 | 373 | 1.45 | 4 | 5 | ND | 8 | 46 | .4 | 2 | 2 | 4 | .94 | .060 | 11 | 39 | .27 | 62 | .01 | 5 | .50 | .03 | .24 | 1 |
| 90R15 85-90 | 4 | 22 | 19 | 30 | .3 | 13 | 8 | 420 | 1.36 | 3 | 5 | ND | 10 | 49 | 1.0 | 2 | 2 | 3 | 1.48 | .060 | 11 | 39 | .20 | 52 | .01 | 5 | .43 | .03 | .23 | 2 |
| 90R15 90-95 | 3 | 23 | 22 | 60 | .4 | 11 | 9 | 477 | 1.73 | 3 | 5 | ND | 7 | 47 | .5 | 2 | 2 | 4 | 1.50 | .054 | 7 | 35 | .49 | 55 | .01 | 8 | .62 | .02 | .18 | 1 |
| 90R15 95-100 | 3 | 16 | 14 | 38 | .4 | 9 | 7 | 406 | 1.60 | 12 | 5 | ND | 9 | 47 | .6 | 2 | 2 | 4 | 1.13 | .055 | 19 | 49 | .21 | 60 | .01 | 7 | .52 | .04 | .26 | 2 |
| 90R15 100-105 | 2 | 29 | 14 | 45 | .4 | 11 | 9 | 553 | 2.62 | 3 | 5 | ND | 10 | 59 | .2 | 2 | 2 | 6 | 1.41 | .053 | 24 | 36 | .27 | 31 | .01 | 8 | .51 | .03 | .21 | 3 |
| 90R15 105-110 | 3 | 34 | 27 | 57 | .6 | 15 | 9 | 558 | 1.95 | 8 | 5 | ND | 7 | 64 | .3 | 2 | 2 | 4 | 1.70 | .058 | 13 | 31 | .55 | 52 | .01 | 6 | .63 | .02 | .20 | 2 |
| 90R15 110-115 | 4 | 59 | 13 | 76 | .6 | 16 | 9 | 563 | 2.03 | 6 | 5 | ND | 7 | 79 | .4 | 2 | 2 | 6 | 1.80 | .060 | 19 | 46 | .64 | 46 | .01 | 7 | .77 | .02 | .25 | 1 |
| 90R15 115-120 | 2 | 21 | 17 | 68 | .4 | 14 | 9 | 521 | 1.75 | 3 | 5 | ND | 7 | 59 | .8 | 2 | 2 | 5 | 1.18 | .062 | 18 | 41 | .42 | 51 | .01 | 8 | .63 | .02 | .25 | 1 |
| 90R15 120-125 | 3 | 18 | 16 | 27 | .3 | 9 | 8 | 578 | 1.21 | 5 | 5 | ND | 8 | 57 | .4 | 2 | 2 | 3 | 1.64 | .042 | 19 | 41 | .20 | 72 | .01 | 4 | .48 | .02 | .27 | 1 |
| 90R15 125-130 | 3 | 18 | 20 | 27 | .3 | 12 | 9 | 583 | 2.06 | 12 | 5 | ND | 7 | 48 | .7 | 2 | 2 | 3 | 1.37 | .054 | 15 | 33 | .23 | 41 | .01 | 7 | .42 | .02 | .22 | 2 |
| 90R15 130-135 | 4 | 24 | 14 | 57 | .4 | 10 | 7 | 779 | 1.54 | 28 | 5 | ND | 7 | 57 | .6 | 2 | 2 | 3 | 1.15 | .044 | 14 | 40 | .48 | 97 | .01 | 6 | .63 | .02 | .24 | 2 |
| 90R15 135-140 | 2 | 18 | 16 | 73 | .5 | 13 | 10 | 721 | 1.74 | 43 | 5 | ND | 7 | 57 | .6 | 2 | 2 | 5 | 1.21 | .071 | 20 | 47 | .50 | 109 | .01 | 6 | .77 | .01 | .32 | 1 |
| 90R15 140-145 | 1 | 25 | 20 | 59 | .6 | 9 | 8 | 509 | 1.40 | 28 | 5 | ND | 7 | 56 | .7 | 2 | 2 | 3 | 1.18 | .055 | 19 | 30 | .29 | 96 | .01 | 6 | .47 | .01 | .21 | 1 |
| 90R15 145-150 | 2 | 17 | 13 | 43 | .4 | 10 | 8 | 338 | 1.45 | 28 | 5 | ND | 8 | 38 | .9 | 2 | 2 | 3 | .91 | .048 | 16 | 38 | .21 | 110 | .01 | 4 | .49 | .02 | .25 | 2 |
| STANDARD C | 19 | 62 | 42 | 132 | 7.6 | 72 | 32 | 1045 | 3.98 | 44 | 19 | 6 | 38 | 52 | 19.0 | 16 | 19 | 57 | .46 | .096 | 37 | 61 | .87 | 180 | .07 | 40 | 1.89 | .06 | .13 | 11 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R16 0-5 | 3 | 36 | 11 | 24 | .6 | 5 | 2 | 75 | 1.90 | 11 | 5 | ND | 8 | 86 | .2 | 4 | 2 | 3 | .04 | .059 | 12 | 48 | .09 | 144 | .01 | 4 | .34 | .04 | .22 | 1 |
| 90R16 5-10 | 3 | 12 | 14 | 19 | .5 | 6 | 2 | 36 | 1.66 | 6 | 5 | ND | 9 | 50 | .2 | 2 | 2 | 4 | .03 | .045 | 10 | 41 | .04 | 133 | .01 | 5 | .26 | .05 | .22 | 1 |
| 90R16 10-15 | 5 | 9 | 43 | 14 | .5 | 7 | 1 | 32 | 1.73 | 8 | 5 | ND | 9 | 91 | .2 | 2 | 2 | 4 | .01 | .052 | 12 | 54 | .03 | 114 | .01 | 3 | .28 | .09 | .19 | 1 |
| 90R16 15-20 | 4 | 16 | 17 | 27 | .8 | 5 | 2 | 40 | 1.94 | 13 | 5 | ND | 9 | 97 | .2 | 2 | 2 | 4 | .02 | .072 | 14 | 55 | .04 | 335 | .01 | 4 | .30 | .06 | .19 | 1 |
| 90R16 20-25 | 3 | 32 | 28 | 28 | .5 | 6 | 3 | 29 | 1.55 | 8 | 5 | ND | 9 | 46 | .2 | 2 | 2 | 3 | .02 | .066 | 14 | 30 | .02 | 375 | .01 | 2 | .25 | .04 | .18 | 1 |
| 90R16 25-30 | 6 | 47 | 28 | 67 | .7 | 9 | 2 | 132 | 2.28 | 26 | 5 | ND | 8 | 74 | .2 | 2 | 2 | 5 | .02 | .071 | 14 | 79 | .20 | 255 | .01 | 3 | .65 | .03 | .18 | 1 |
| 90R16 30-35 | 4 | 81 | 20 | 116 | 1.4 | 11 | 6 | 346 | 2.04 | 15 | 5 | 2 | 9 | 72 | .2 | 3 | 2 | 6 | .09 | .072 | 16 | 56 | .45 | 202 | .01 | 3 | .95 | .02 | .22 | 1 |
| 90R16 35-40 | 2 | 39 | 16 | 115 | .5 | 17 | 12 | 533 | 1.88 | 10 | 6 | ND | 9 | 25 | .4 | 2 | 2 | 5 | .10 | .068 | 15 | 36 | .48 | 279 | .01 | 3 | .84 | .02 | .16 | 1 |
| 90R16 40-45 | 3 | 28 | 18 | 50 | .8 | 7 | 3 | 86 | 1.32 | 7 | 5 | ND | 10 | 29 | .2 | 2 | 2 | 4 | .03 | .049 | 18 | 52 | .15 | 666 | .01 | 2 | .51 | .03 | .19 | 1 |
| 90R16 45-50 | 2 | 36 | 10 | 65 | .4 | 12 | 4 | 217 | 1.75 | 23 | 5 | ND | 12 | 49 | .2 | 2 | 2 | 5 | .06 | .058 | 21 | 46 | .28 | 352 | .01 | 2 | .75 | .02 | .24 | 1 |
| 90R16 50-55 | 3 | 31 | 12 | 63 | .2 | 10 | 7 | 460 | 1.35 | 6 | 5 | ND | 9 | 41 | .2 | 2 | 2 | 5 | .75 | .049 | 13 | 44 | .28 | 270 | .01 | 2 | .59 | .02 | .17 | 1 |
| 90R16 55-60 | 3 | 23 | 16 | 62 | .2 | 12 | 8 | 482 | 1.79 | 5 | 5 | ND | 9 | 63 | .2 | 2 | 2 | 7 | 1.10 | .050 | 12 | 42 | .30 | 156 | .01 | 3 | .60 | .02 | .17 | 1 |
| 90R16 60-65 | 2 | 13 | 20 | 22 | .1 | 7 | 6 | 343 | 1.00 | 2 | 5 | ND | 10 | 53 | .3 | 2 | 2 | 3 | 1.14 | .047 | 11 | 31 | .14 | 91 | .01 | 2 | .38 | .02 | .19 | 1 |
| 90R16 65-70 | 2 | 12 | 21 | 23 | .3 | 6 | 6 | 273 | .90 | 3 | 5 | ND | 8 | 55 | .2 | 2 | 2 | 3 | .89 | .045 | 11 | 22 | .14 | 133 | .01 | 2 | .35 | .02 | .18 | 1 |
| 90R16 70-75 | 1 | 15 | 9 | 33 | .1 | 7 | 6 | 456 | 1.59 | 3 | 5 | ND | 9 | 60 | .3 | 2 | 2 | 5 | .99 | .044 | 10 | 23 | .18 | 42 | .01 | 2 | .41 | .02 | .19 | 1 |
| 90R16 75-80 | 2 | 21 | 16 | 32 | .2 | 8 | 7 | 332 | 1.15 | 2 | 5 | ND | 9 | 60 | .4 | 2 | 2 | 5 | .94 | .044 | 11 | 22 | .20 | 57 | .01 | 2 | .42 | .02 | .19 | 2 |
| 90R16 80-85 | 2 | 36 | 9 | 28 | .4 | 7 | 7 | 405 | 1.34 | 2 | 5 | ND | 8 | 68 | .2 | 2 | 2 | 5 | 1.09 | .048 | 9 | 28 | .21 | 55 | .01 | 2 | .47 | .03 | .22 | 1 |
| 90R16 85-90 | 2 | 50 | 7 | 32 | .5 | 7 | 6 | 344 | 1.38 | 7 | 5 | ND | 9 | 64 | .2 | 2 | 2 | 5 | .96 | .045 | 11 | 38 | .23 | 34 | .01 | 2 | .53 | .03 | .25 | 1 |
| 90R16 90-95 | 4 | 25 | 36 | 51 | .3 | 10 | 7 | 572 | 1.62 | 9 | 5 | ND | 8 | 84 | .3 | 2 | 2 | 5 | 1.69 | .049 | 11 | 32 | .42 | 33 | .01 | 2 | .61 | .03 | .21 | 1 |
| 90R16 95-100 | 2 | 30 | 31 | 95 | .6 | 14 | 8 | 755 | 2.22 | 69 | 5 | ND | 10 | 49 | .6 | 2 | 2 | 8 | .85 | .058 | 16 | 52 | .33 | 22 | .01 | 2 | .63 | .02 | .22 | 1 |
| 90R16 100-105 | 3 | 40 | 51 | 100 | .8 | 12 | 7 | 752 | 1.79 | 44 | 5 | ND | 9 | 57 | .8 | 2 | 2 | 7 | 1.64 | .060 | 13 | 37 | .23 | 28 | .01 | 2 | .53 | .02 | .22 | 1 |
| 90R16 105-110 | 3 | 41 | 25 | 73 | .7 | 13 | 8 | 723 | 1.96 | 20 | 5 | ND | 9 | 68 | .6 | 2 | 2 | 9 | 1.87 | .058 | 12 | 38 | .28 | 27 | .01 | 3 | .64 | .02 | .22 | 1 |
| 90R16 110-115 | 2 | 32 | 18 | 53 | .5 | 12 | 9 | 560 | 1.89 | 5 | 5 | ND | 8 | 72 | .2 | 2 | 2 | 8 | 1.67 | .060 | 11 | 31 | .24 | 38 | .01 | 2 | .57 | .02 | .21 | 1 |
| 90R16 115-120 | 1 | 47 | 16 | 66 | .1 | 12 | 7 | 547 | 1.77 | 7 | 5 | ND | 9 | 67 | .3 | 2 | 2 | 6 | 1.52 | .056 | 9 | 22 | .27 | 76 | .01 | 3 | .55 | .02 | .15 | 1 |
| 90R16 120-125 | 2 | 16 | 11 | 61 | .3 | 10 | 7 | 396 | 1.66 | 7 | 5 | ND | 11 | 70 | .2 | 2 | 2 | 7 | 1.39 | .053 | 15 | 27 | .33 | 72 | .01 | 2 | .57 | .03 | .15 | 1 |
| 90R16 125-130 | 3 | 18 | 14 | 87 | .3 | 16 | 10 | 513 | 2.54 | 4 | 5 | ND | 9 | 105 | .2 | 2 | 2 | 7 | 1.79 | .054 | 13 | 51 | .45 | 22 | .01 | 2 | .64 | .02 | .15 | 1 |
| 90R16 130-135 | 3 | 21 | 13 | 61 | .5 | 17 | 11 | 505 | 2.44 | 6 | 5 | ND | 8 | 94 | .2 | 2 | 2 | 7 | 1.92 | .060 | 8 | 53 | .52 | 12 | .01 | 2 | .58 | .02 | .15 | 1 |
| 90R16 135-140 | 4 | 18 | 23 | 94 | .2 | 18 | 9 | 579 | 2.05 | 5 | 5 | ND | 9 | 76 | .2 | 2 | 2 | 10 | 1.69 | .054 | 14 | 75 | .87 | 40 | .02 | 2 | .94 | .02 | .14 | 1 |
| 90R16 140-145 | 2 | 21 | 19 | 89 | .2 | 17 | 9 | 611 | 2.41 | 14 | 5 | ND | 9 | 61 | .2 | 2 | 2 | 10 | 1.73 | .058 | 16 | 50 | .80 | 68 | .01 | 2 | 1.00 | .02 | .12 | 1 |
| 90R16 145-150 | 2 | 21 | 17 | 89 | .2 | 20 | 11 | 622 | 2.58 | 10 | 5 | ND | 8 | 69 | .2 | 2 | 2 | 9 | 2.49 | .054 | 16 | 87 | .85 | 64 | .01 | 2 | 1.11 | .02 | .11 | 1 |
| STANDARD C | 18 | 58 | 36 | 132 | 7.3 | 73 | 31 | 1054 | 3.95 | 44 | 21 | 7 | 40 | 55 | 19.4 | 15 | 17 | 57 | .46 | .100 | 40 | 60 | .90 | 187 | .07 | 36 | 1.89 | .06 | .14 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R17 0-5 | 4 | 30 | 21 | 117 | .5 | 18 | 12 | 688 | 1.89 | 3 | 5 | ND | 10 | 19 | .2 | 2 | 2 | 7 | .30 | .066 | 18 | 57 | .85 | 309 | .03 | 15 | 1.01 | .03 | .22 | 1 |
| 90R17 5-10 | 3 | 25 | 19 | 96 | .3 | 18 | 11 | 574 | 1.58 | 5 | 5 | ND | 8 | 21 | .2 | 2 | 2 | 8 | .40 | .062 | 13 | 49 | .85 | 170 | .06 | 12 | .88 | .03 | .19 | 1 |
| 90R17 10-15 | 3 | 80 | 210 | 175 | .8 | 22 | 32 | 1407 | 1.74 | 13 | 5 | ND | 8 | 32 | .2 | 2 | 2 | 8 | .65 | .071 | 13 | 48 | .92 | 140 | .04 | 6 | .99 | .02 | .20 | 1 |
| 90R17 15-20 | 2 | 39 | 42 | 81 | .4 | 13 | 12 | 698 | 1.54 | 3 | 5 | ND | 6 | 52 | .2 | 2 | 2 | 6 | 1.16 | .068 | 8 | 34 | .81 | 175 | .04 | 4 | .75 | .02 | .27 | 2 |
| 90R17 20-25 | 3 | 56 | 11 | 51 | .9 | 11 | 8 | 641 | 1.76 | 6 | 5 | ND | 6 | 57 | .2 | 2 | 2 | 4 | 1.52 | .064 | 6 | 34 | .66 | 168 | .03 | 6 | .65 | .02 | .30 | 2 |
| 90R17 25-30 | 5 | 51 | 45 | 72 | .5 | 11 | 9 | 590 | 1.75 | 5 | 5 | ND | 6 | 50 | .2 | 2 | 2 | 3 | 1.89 | .063 | 5 | 36 | .53 | 68 | .02 | 4 | .54 | .02 | .31 | 1 |
| 90R17 30-35 | 3 | 25 | 19 | 94 | .3 | 12 | 10 | 613 | 1.99 | 3 | 5 | ND | 8 | 45 | .2 | 2 | 2 | 4 | 1.56 | .065 | 7 | 36 | .59 | 77 | .03 | 6 | .64 | .02 | .27 | 1 |
| 90R17 35-40 | 3 | 19 | 16 | 43 | .3 | 13 | 9 | 322 | 1.68 | 2 | 5 | ND | 8 | 34 | .2 | 2 | 2 | 3 | .97 | .066 | 10 | 29 | .23 | 66 | .01 | 5 | .42 | .03 | .25 | 4 |
| 90R17 40-45 | 2 | 20 | 13 | 55 | .3 | 11 | 9 | 522 | 1.53 | 5 | 5 | ND | 8 | 35 | .2 | 2 | 2 | 5 | .88 | .067 | 10 | 38 | .47 | 284 | .02 | 3 | .62 | .03 | .33 | 1 |
| 90R17 45-50 | 3 | 35 | 19 | 83 | .7 | 10 | 10 | 675 | 1.97 | 4 | 5 | ND | 6 | 45 | .2 | 2 | 2 | 9 | 1.17 | .070 | 9 | 51 | .71 | 234 | .06 | 7 | .76 | .03 | .42 | 1 |
| 90R17 50-55 | 5 | 30 | 23 | 90 | 1.2 | 13 | 9 | 699 | 1.74 | 18 | 5 | ND | 5 | 59 | .2 | 2 | 2 | 5 | 1.47 | .068 | 6 | 69 | .49 | 76 | .02 | 4 | .52 | .03 | .31 | 1 |
| 90R17 55-60 | 4 | 48 | 22 | 90 | .6 | 12 | 10 | 831 | 2.06 | 9 | 5 | ND | 5 | 79 | .5 | 2 | 2 | 5 | 2.16 | .076 | 4 | 60 | .64 | 99 | .03 | 4 | .62 | .02 | .37 | 1 |
| 90R17 60-65 | 4 | 148 | 24 | 91 | .2 | 12 | 9 | 422 | 1.50 | 6 | 5 | ND | 6 | 36 | .2 | 2 | 2 | 3 | 1.02 | .070 | 6 | 40 | .51 | 141 | .03 | 4 | .54 | .03 | .26 | 3 |
| 90R17 65-70 | 3 | 46 | 21 | 73 | .4 | 12 | 9 | 393 | 1.57 | 4 | 5 | ND | 6 | 34 | .2 | 2 | 2 | 3 | 1.07 | .073 | 6 | 39 | .42 | 101 | .03 | 3 | .47 | .03 | .25 | 2 |
| 90R17 70-75 | 3 | 54 | 69 | 151 | .5 | 15 | 10 | 706 | 1.98 | 4 | 5 | ND | 8 | 38 | .2 | 2 | 2 | 2 | 1.28 | .073 | 7 | 33 | .53 | 136 | .02 | 3 | .56 | .02 | .23 | 1 |
| 90R17 75-80 | 8 | 22 | 60 | 56 | .6 | 19 | 10 | 629 | 2.03 | 5 | 5 | ND | 7 | 24 | .2 | 2 | 2 | 1 | .84 | .051 | 7 | 43 | .45 | 67 | .01 | 5 | .53 | .02 | .24 | 1 |
| 90R17 80-85 | 4 | 21 | 21 | 87 | .4 | 14 | 7 | 444 | 1.57 | 3 | 5 | ND | 7 | 23 | .2 | 2 | 2 | 1 | .72 | .047 | 8 | 41 | .37 | 128 | .01 | 3 | .49 | .01 | .24 | 1 |
| 90R17 85-90 | 6 | 29 | 53 | 144 | .6 | 11 | 9 | 595 | 1.83 | 8 | 5 | ND | 6 | 21 | .2 | 2 | 2 | 2 | .24 | .068 | 10 | 51 | .12 | 259 | .01 | 2 | .42 | .03 | .27 | 1 |
| 90R17 90-95 | 3 | 71 | 32 | 150 | .7 | 16 | 9 | 538 | 2.03 | 4 | 5 | ND | 5 | 37 | .2 | 2 | 2 | 2 | .58 | .064 | 6 | 49 | .59 | 58 | .01 | 4 | .61 | .02 | .23 | 1 |
| 90R17 95-100 | 4 | 85 | 128 | 134 | .7 | 11 | 4 | 188 | 1.78 | 7 | 5 | ND | 7 | 18 | .2 | 2 | 2 | 1 | .13 | .042 | 11 | 47 | .82 | 246 | .01 | 3 | .87 | .02 | .23 | 1 |
| 90R17 100-105 | 6 | 92 | 47 | 123 | .6 | 12 | 6 | 245 | 1.96 | 5 | 5 | ND | 6 | 28 | .2 | 2 | 2 | 1 | .18 | .060 | 10 | 53 | .98 | 118 | .01 | 6 | .96 | .01 | .24 | 1 |
| 90R17 105-110 | 4 | 89 | 29 | 105 | 5.4 | 12 | 6 | 375 | 1.75 | 9 | 5 | 4 | 5 | 67 | .5 | 2 | 2 | 1 | .58 | .039 | 7 | 51 | .72 | 156 | .01 | 5 | .64 | .01 | .22 | 1 |
| 90R17 110-115 | 5 | 59 | 43 | 76 | .5 | 16 | 10 | 292 | 1.92 | 9 | 5 | ND | 5 | 31 | .2 | 2 | 2 | 1 | .46 | .065 | 6 | 44 | .62 | 57 | .01 | 4 | .62 | .01 | .26 | 1 |
| 90R17 115-120 | 4 | 22 | 21 | 41 | .3 | 10 | 8 | 680 | 1.58 | 4 | 5 | ND | 5 | 57 | .2 | 2 | 2 | 1 | 1.31 | .062 | 6 | 41 | .58 | 65 | .01 | 3 | .40 | .02 | .24 | 1 |
| 90R17 120-125 | 5 | 25 | 53 | 73 | .4 | 12 | 8 | 540 | 1.78 | 5 | 5 | ND | 5 | 55 | .2 | 2 | 2 | 1 | 1.29 | .047 | 6 | 58 | .51 | 66 | .01 | 4 | .44 | .02 | .28 | 1 |
| 90R17 125-130 | 4 | 27 | 39 | 122 | .9 | 12 | 8 | 559 | 1.63 | 8 | 5 | ND | 5 | 55 | .2 | 2 | 2 | 2 | 1.03 | .043 | 7 | 48 | .46 | 101 | .01 | 3 | .48 | .02 | .27 | 1 |
| 90R17 130-135 | 5 | 49 | 90 | 331 | .4 | 12 | 6 | 408 | 1.68 | 20 | 5 | ND | 7 | 44 | 3.3 | 2 | 2 | 1 | .50 | .062 | 10 | 44 | .23 | 96 | .01 | 2 | .52 | .02 | .32 | 1 |
| 90R17 135-140 | 4 | 41 | 115 | 261 | .6 | 15 | 9 | 1016 | 1.87 | 7 | 5 | ND | 7 | 40 | 2.3 | 2 | 2 | 3 | 1.20 | .057 | 7 | 47 | .44 | 82 | .01 | 5 | .58 | .01 | .25 | 1 |
| 90R17 140-145 | 3 | 22 | 31 | 75 | .4 | 11 | 8 | 733 | 1.57 | 2 | 5 | ND | 5 | 56 | .2 | 2 | 2 | 2 | 1.96 | .048 | 4 | 41 | .29 | 76 | .01 | 2 | .43 | .01 | .24 | 1 |
| 90R17 145-150 | 4 | 26 | 40 | 87 | .3 | 13 | 8 | 623 | 1.94 | 3 | 5 | ND | 4 | 93 | .2 | 2 | 2 | 4 | 1.89 | .049 | 4 | 53 | .80 | 60 | .01 | 2 | .67 | .02 | .25 | 2 |
| STANDARD C | 20 | 62 | 40 | 131 | 7.3 | 72 | 32 | 1045 | 3.98 | 41 | 19 | 6 | 36 | 52 | 18.5 | 14 | 18 | 58 | .46 | .095 | 36 | 55 | .87 | 180 | .07 | 38 | 1.90 | .06 | .13 | 13 |

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Analytical Labs. Ltd. PROJECT WO#13020 File # 90-6068 Page 1

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R18 0-5 | 12 | 39 | 143 | 99 | .5 | 12 | 7 | 383 | 2.19 | 4 | 6 | ND | 6 | 20 | .2 | 2 | 2 | 15 | .11 | .042 | 24 | 145 | .51 | 343 | .02 | 2 | .84 | .02 | .16 | 1 |
| 90R18 5-10 | 8 | 28 | 113 | 76 | .4 | 12 | 7 | 329 | 1.68 | 2 | 5 | ND | 2 | 16 | .2 | 2 | 2 | 13 | .10 | .048 | 19 | 102 | .37 | 310 | .01 | 2 | .67 | .01 | .13 | 1 |
| 90R18 10-15 | 9 | 23 | 26 | 51 | .2 | 16 | 8 | 418 | 1.55 | 2 | 5 | ND | 8 | 18 | .2 | 2 | 2 | 6 | .15 | .057 | 16 | 111 | .31 | 351 | .01 | 2 | .51 | .02 | .17 | 1 |
| 90R18 15-20 | 8 | 28 | 28 | 82 | .3 | 20 | 11 | 531 | 1.85 | 5 | 5 | ND | 8 | 15 | .3 | 2 | 2 | 5 | .13 | .063 | 13 | 94 | .47 | 308 | .01 | 2 | .61 | .01 | .15 | 1 |
| 90R18 20-25 | 8 | 40 | 16 | 90 | .5 | 20 | 15 | 903 | 2.00 | 2 | 5 | ND | 9 | 25 | .6 | 2 | 2 | 5 | .22 | .068 | 17 | 98 | .29 | 223 | .01 | 2 | .54 | .02 | .19 | 1 |
| 90R18 25-30 | 10 | 43 | 52 | 110 | .6 | 18 | 10 | 727 | 2.13 | 2 | 5 | ND | 8 | 34 | .6 | 2 | 2 | 6 | .71 | .065 | 12 | 87 | .77 | 188 | .01 | 2 | .75 | .02 | .17 | 1 |
| 90R18 30-35 | 9 | 32 | 14 | 92 | .5 | 16 | 9 | 707 | 2.05 | 4 | 5 | ND | 8 | 45 | .4 | 2 | 2 | 7 | 1.04 | .061 | 12 | 93 | .53 | 196 | .01 | 2 | .66 | .02 | .21 | 1 |
| 90R18 35-40 | 9 | 30 | 14 | 57 | 1.0 | 9 | 5 | 477 | 1.81 | 2 | 5 | ND | 8 | 53 | .2 | 2 | 2 | 6 | .95 | .058 | 11 | 105 | .38 | 242 | .01 | 2 | .49 | .02 | .18 | 1 |
| 90R18 40-45 | 7 | 28 | 8 | 76 | .3 | 13 | 8 | 726 | 1.89 | 9 | 5 | ND | 7 | 54 | .5 | 2 | 2 | 8 | 1.28 | .060 | 11 | 89 | .53 | 229 | .01 | 2 | .64 | .02 | .20 | 1 |
| 90R18 45-50 | 8 | 38 | 16 | 65 | .3 | 14 | 8 | 710 | 2.04 | 4 | 5 | ND | 7 | 86 | .4 | 2 | 2 | 5 | 1.91 | .060 | 7 | 77 | .68 | 79 | .01 | 2 | .57 | .02 | .19 | 1 |
| 90R18 50-55 | 8 | 45 | 21 | 99 | .7 | 13 | 7 | 532 | 2.13 | 7 | 6 | ND | 9 | 31 | .2 | 2 | 2 | 6 | .46 | .062 | 13 | 77 | .57 | 248 | .01 | 2 | .66 | .02 | .17 | 1 |
| 90R18 55-60 | 8 | 35 | 7 | 63 | .8 | 13 | 7 | 739 | 2.20 | 19 | 5 | ND | 7 | 64 | .6 | 2 | 2 | 6 | 1.54 | .063 | 8 | 93 | .67 | 129 | .01 | 2 | .57 | .01 | .19 | 1 |
| 90R18 60-65 | 8 | 31 | 6 | 60 | .2 | 14 | 7 | 645 | 2.00 | 2 | 5 | ND | 6 | 83 | .6 | 2 | 2 | 5 | 2.06 | .055 | 7 | 93 | .81 | 122 | .01 | 2 | .61 | .02 | .22 | 1 |
| 90R18 65-70 | 8 | 34 | 8 | 52 | .9 | 14 | 8 | 604 | 2.09 | 4 | 5 | 2 | 7 | 50 | .4 | 2 | 2 | 5 | 1.14 | .063 | 9 | 97 | .44 | 124 | .01 | 2 | .54 | .02 | .21 | 1 |
| 90R18 70-75 | 6 | 26 | 11 | 40 | .4 | 14 | 8 | 682 | 2.00 | 10 | 5 | ND | 7 | 69 | .3 | 2 | 2 | 5 | 1.95 | .064 | 6 | 67 | .50 | 108 | .01 | 2 | .49 | .02 | .20 | 2 |
| 90R18 75-80 | 10 | 46 | 15 | 67 | .6 | 16 | 9 | 717 | 2.05 | 2 | 5 | ND | 8 | 55 | .5 | 2 | 2 | 5 | 1.87 | .058 | 7 | 104 | .55 | 71 | .01 | 2 | .51 | .02 | .20 | 1 |
| 90R18 80-85 | 7 | 39 | 16 | 73 | .3 | 15 | 8 | 758 | 2.05 | 5 | 5 | ND | 7 | 75 | .6 | 2 | 2 | 4 | 2.42 | .059 | 6 | 72 | .69 | 90 | .01 | 2 | .51 | .01 | .18 | 1 |
| 90R18 85-90 | 8 | 25 | 23 | 52 | .2 | 13 | 8 | 640 | 1.61 | 2 | 5 | ND | 8 | 63 | .3 | 2 | 2 | 3 | 1.51 | .057 | 8 | 84 | .49 | 160 | .01 | 2 | .49 | .01 | .19 | 1 |
| 90R18 90-95 | 6 | 29 | 4 | 52 | .5 | 15 | 8 | 673 | 1.71 | 2 | 5 | ND | 6 | 75 | .6 | 2 | 2 | 4 | 1.42 | .061 | 9 | 73 | .59 | 166 | .01 | 2 | .56 | .02 | .17 | 1 |
| 90R18 95-100 | 6 | 35 | 8 | 43 | .9 | 16 | 8 | 705 | 2.09 | 4 | 5 | ND | 6 | 80 | .4 | 2 | 2 | 5 | 1.66 | .066 | 7 | 72 | .66 | 97 | .01 | 2 | .53 | .02 | .17 | 1 |
| 90R18 100-105 | 8 | 67 | 62 | 70 | 2.3 | 18 | 11 | 767 | 2.77 | 2 | 5 | 3 | 6 | 74 | 1.1 | 2 | 2 | 6 | 1.51 | .088 | 6 | 89 | .61 | 84 | .01 | 3 | .59 | .02 | .21 | 1 |
| 90R18 105-110 | 7 | 60 | 56 | 68 | 2.1 | 16 | 10 | 730 | 2.58 | 4 | 5 | 4 | 5 | 72 | 1.1 | 2 | 2 | 6 | 1.44 | .085 | 6 | 85 | .58 | 90 | .01 | 2 | .59 | .02 | .22 | 1 |
| 90R18 110-115 | 8 | 25 | 11 | 47 | 1.7 | 11 | 4 | 212 | 2.41 | 2 | 6 | ND | 9 | 83 | .3 | 2 | 2 | 6 | .31 | .085 | 11 | 104 | .24 | 257 | .01 | 2 | .46 | .03 | .23 | 1 |
| 90R18 115-120 | 7 | 34 | 7 | 59 | 2.2 | 12 | 9 | 225 | 2.55 | 2 | 5 | 4 | 7 | 45 | .3 | 2 | 2 | 6 | .20 | .087 | 10 | 89 | .20 | 179 | .01 | 2 | .43 | .03 | .22 | 1 |
| 90R18 120-125 | 9 | 38 | 6 | 44 | 2.7 | 12 | 9 | 618 | 2.24 | 3 | 5 | 5 | 6 | 66 | .4 | 2 | 2 | 5 | 1.11 | .083 | 7 | 104 | .37 | 84 | .01 | 2 | .47 | .02 | .23 | 1 |
| 90R18 125-130 | 9 | 24 | 28 | 52 | .4 | 13 | 8 | 593 | 1.76 | 2 | 5 | ND | 8 | 63 | .3 | 2 | 2 | 4 | 1.41 | .061 | 8 | 97 | .48 | 75 | .01 | 3 | .43 | .02 | .19 | 1 |
| 90R18 130-135 | 7 | 23 | 8 | 50 | .2 | 11 | 7 | 661 | 1.74 | 8 | 5 | ND | 8 | 81 | .6 | 2 | 2 | 3 | 2.04 | .053 | 7 | 77 | .65 | 111 | .01 | 3 | .44 | .02 | .21 | 1 |
| 90R18 135-140 | 13 | 22 | 15 | 60 | 1.3 | 16 | 7 | 513 | 2.05 | 9 | 5 | ND | 7 | 45 | .6 | 2 | 2 | 3 | .57 | .051 | 7 | 144 | .21 | 72 | .01 | 3 | .30 | .03 | .17 | 1 |
| 90R18 140-145 | 11 | 35 | 18 | 107 | 1.0 | 15 | 7 | 317 | 2.10 | 20 | 5 | ND | 8 | 25 | .7 | 2 | 2 | 4 | .26 | .065 | 10 | 121 | .28 | 145 | .01 | 2 | .51 | .02 | .21 | 1 |
| 90R18 145-150 | 7 | 26 | 9 | 116 | 1.2 | 12 | 6 | 505 | 1.94 | 8 | 5 | 2 | 9 | 66 | 1.0 | 2 | 2 | 4 | .81 | .057 | 11 | 84 | .31 | 167 | .01 | 2 | .45 | .03 | .19 | 1 |
| 90R18 150-155 | 9 | 22 | 31 | 110 | 1.9 | 7 | 3 | 123 | 1.82 | 15 | 5 | 4 | 10 | 64 | .4 | 2 | 2 | 4 | .11 | .046 | 17 | 106 | .14 | 359 | .01 | 2 | .38 | .04 | .18 | 1 |
| 90R18 155-160 | 6 | 28 | 34 | 88 | .8 | 8 | 4 | 165 | 1.96 | 14 | 5 | ND | 10 | 97 | .3 | 2 | 2 | 4 | .16 | .055 | 14 | 70 | .18 | 228 | .01 | 2 | .40 | .03 | .21 | 1 |
| 90R18 160-165 | 16 | 20 | 39 | 87 | .6 | 6 | 1 | 142 | 2.16 | 21 | 5 | ND | 6 | 80 | .5 | 2 | 2 | 5 | .07 | .046 | 11 | 195 | .12 | 261 | .01 | 2 | .28 | .03 | .18 | 1 |
| 90R18 165-170 | 9 | 25 | 68 | 124 | .3 | 8 | 2 | 236 | 2.61 | 22 | 5 | ND | 8 | 137 | .4 | 2 | 2 | 9 | .11 | .062 | 17 | 118 | .23 | 276 | .01 | 2 | .52 | .03 | .27 | 1 |
| 90R18 170-175 | 5 | 21 | 25 | 112 | .3 | 15 | 9 | 562 | 2.63 | 19 | 5 | ND | 7 | 77 | .9 | 2 | 2 | 6 | 1.45 | .060 | 10 | 72 | .48 | 79 | .01 | 2 | .50 | .02 | .16 | 1 |
| 90R18 175-180 | 7 | 18 | 13 | 92 | .2 | 13 | 6 | 484 | 2.10 | 3 | 5 | ND | 8 | 78 | .5 | 2 | 2 | 4 | 1.69 | .054 | 10 | 80 | .72 | 107 | .01 | 3 | .70 | .02 | .17 | 1 |
| STANDARD C | 21 | 61 | 40 | 133 | 7.5 | 74 | 32 | 1060 | 3.97 | 44 | 17 | 8 | 37 | 56 | 19.7 | 15 | 21 | 61 | .50 | .095 | 38 | 61 | .84 | 180 | .08 | 35 | 1.90 | .05 | .14 | 11 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PULP

**DATE RECEIVED:** NOV 26 1990 **DATE REPORT MAILED:** Nov 29/90. **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R18 180-185 | 9 | 22 | 16 | 81 | .8 | 12 | 7 | 569 | 2.18 | 6 | 5 | ND | 6 | 88 | .2 | 2 | 2 | 2 | 1.73 | .057 | 5 | 95 | .67 | 89 | .01 | 4 | .69 | .03 | .18 | 1 |
| 90R18 185-190 | 7 | 24 | 12 | 61 | .2 | 13 | 8 | 521 | 2.10 | 7 | 5 | ND | 6 | 83 | .2 | 2 | 2 | 3 | 1.68 | .060 | 6 | 85 | .52 | 89 | .01 | 4 | .66 | .03 | .21 | 1 |
| 90R18 190-195 | 7 | 23 | 25 | 64 | .3 | 14 | 9 | 416 | 1.89 | 6 | 5 | ND | 8 | 72 | .2 | 2 | 2 | 3 | 1.23 | .061 | 7 | 82 | .42 | 82 | .01 | 3 | .60 | .03 | .21 | 1 |
| 90R18 195-200 | 6 | 22 | 26 | 56 | 1.0 | 11 | 8 | 404 | 1.82 | 23 | 5 | ND | 7 | 67 | .2 | 2 | 2 | 2 | .75 | .056 | 10 | 73 | .37 | 105 | .01 | 2 | .55 | .03 | .21 | 1 |
| 90R18 200-205 | 9 | 21 | 25 | 60 | .3 | 12 | 8 | 443 | 1.68 | 5 | 5 | ND | 8 | 80 | .4 | 2 | 2 | 3 | 1.06 | .047 | 9 | 105 | .33 | 113 | .01 | 2 | .53 | .03 | .20 | 1 |
| 90R18 205-210 | 8 | 19 | 28 | 41 | .1 | 14 | 10 | 419 | 1.79 | 17 | 5 | ND | 8 | 73 | .3 | 2 | 2 | 3 | 1.31 | .049 | 8 | 98 | .41 | 98 | .01 | 5 | .57 | .03 | .18 | 1 |
| 90R18 210-215 | 11 | 22 | 42 | 127 | 1.1 | 27 | 15 | 624 | 2.84 | 10 | 5 | 2 | 4 | 82 | .9 | 2 | 2 | 5 | 1.72 | .058 | 5 | 147 | .93 | 86 | .01 | 4 | .95 | .02 | .14 | 1 |
| 90R18 215-220 | 8 | 18 | 46 | 82 | .1 | 18 | 11 | 409 | 2.05 | 6 | 5 | ND | 6 | 50 | .4 | 2 | 2 | 4 | .85 | .053 | 12 | 101 | .54 | 150 | .01 | 3 | .71 | .02 | .16 | 1 |
| 90R18 220-225 | 9 | 25 | 21 | 96 | .2 | 20 | 13 | 601 | 2.38 | 17 | 5 | ND | 5 | 56 | .6 | 2 | 2 | 5 | 1.33 | .057 | 15 | 160 | .76 | 94 | .01 | 4 | .92 | .02 | .17 | 1 |
| 90R18 225-230 | 10 | 26 | 47 | 102 | .4 | 23 | 14 | 631 | 2.70 | 23 | 5 | ND | 5 | 53 | .2 | 2 | 2 | 8 | 1.28 | .060 | 12 | 183 | .81 | 55 | .01 | 4 | .94 | .03 | .16 | 1 |
| 90R18 230-235 | 6 | 22 | 34 | 130 | .2 | 21 | 13 | 633 | 2.88 | 22 | 5 | ND | 5 | 47 | .6 | 2 | 2 | 8 | 1.13 | .063 | 13 | 116 | .76 | 81 | .01 | 4 | .96 | .02 | .16 | 1 |
| 90R18 235-240 | 6 | 23 | 32 | 166 | .3 | 19 | 12 | 620 | 2.65 | 7 | 5 | ND | 5 | 59 | .3 | 2 | 2 | 6 | 1.74 | .058 | 15 | 95 | .77 | 111 | .01 | 4 | 1.04 | .02 | .14 | 1 |
| 90R18 240-245 | 7 | 31 | 13 | 120 | .3 | 22 | 13 | 537 | 2.69 | 10 | 5 | ND | 8 | 58 | .4 | 2 | 2 | 6 | 1.53 | .056 | 20 | 100 | .99 | 115 | .01 | 5 | 1.20 | .02 | .14 | 1 |
| 90R18 245-250 | 5 | 33 | 29 | 165 | .4 | 21 | 14 | 963 | 2.83 | 29 | 5 | ND | 4 | 88 | .7 | 2 | 2 | 6 | 2.71 | .054 | 14 | 130 | 1.29 | 89 | .01 | 5 | 1.36 | .01 | .12 | 1 |
| 90R18 250-255 | 10 | 45 | 129 | 485 | .4 | 22 | 12 | 941 | 2.71 | 19 | 5 | ND | 4 | 84 | 5.0 | 2 | 2 | 4 | 2.59 | .054 | 15 | 125 | 1.21 | 85 | .01 | 4 | 1.26 | .02 | .15 | 1 |
| 90R18 255-260 | 7 | 26 | 40 | 513 | .3 | 17 | 10 | 659 | 2.16 | 12 | 5 | ND | 6 | 62 | 3.5 | 2 | 2 | 4 | 1.53 | .055 | 19 | 84 | .83 | 85 | .01 | 3 | 1.01 | .02 | .16 | 1 |
| 90R18 260-265 | 5 | 29 | 189 | 580 | .5 | 21 | 10 | 520 | 2.19 | 38 | 8 | ND | 8 | 34 | 5.1 | 2 | 2 | 6 | .70 | .057 | 22 | 106 | .73 | 121 | .01 | 3 | .95 | .02 | .20 | 1 |
| 90R18 265-270 | 5 | 155 | 826 | 663 | 2.1 | 21 | 9 | 377 | 2.16 | 45 | 11 | ND | 8 | 64 | 7.0 | 2 | 2 | 7 | .31 | .055 | 28 | 139 | .72 | 196 | .01 | 4 | .95 | .02 | .22 | 1 |
| 90R18 270-275 | 8 | 150 | 578 | 1032 | 1.7 | 13 | 7 | 474 | 1.96 | 31 | 5 | ND | 8 | 45 | 7.8 | 2 | 2 | 5 | .28 | .053 | 26 | 100 | .41 | 177 | .01 | 2 | .72 | .03 | .22 | 1 |
| 90R18 275-280 | 8 | 672 | 2128 | 3544 | 5.5 | 18 | 12 | 626 | 2.86 | 39 | 5 | ND | 5 | 40 | 32.8 | 2 | 2 | 6 | .67 | .065 | 17 | 101 | .48 | 44 | .01 | 5 | .73 | .02 | .20 | 1 |
| 90R18 280-285 | 10 | 49 | 750 | 859 | 1.3 | 11 | 6 | 368 | 1.80 | 29 | 5 | ND | 6 | 37 | 8.0 | 2 | 2 | 1 | .66 | .043 | 13 | 100 | .25 | 60 | .01 | 2 | .48 | .01 | .17 | 1 |
| 90R18 285-290 | 10 | 15 | 367 | 300 | .6 | 5 | 2 | 121 | .83 | 24 | 5 | ND | 13 | 16 | 2.4 | 2 | 4 | 1 | .27 | .011 | 25 | 100 | .10 | 137 | .01 | 7 | .33 | .01 | .16 | 1 |
| 90R18 290-295 | 9 | 8 | 126 | 149 | .5 | 3 | 1 | 182 | .55 | 17 | 5 | ND | 17 | 22 | 1.3 | 2 | 6 | 1 | .42 | .005 | 28 | 86 | .11 | 285 | .01 | 4 | .29 | .01 | .16 | 1 |
| 90R18 295-300 | 12 | 9 | 54 | 79 | .5 | 4 | 1 | 272 | .63 | 40 | 5 | ND | 18 | 35 | .6 | 2 | 6 | 1 | .71 | .006 | 33 | 120 | .17 | 338 | .01 | 5 | .40 | .01 | .22 | 1 |
| 90R18 300-305 | 7 | 8 | 64 | 74 | .4 | 2 | 1 | 240 | .55 | 28 | 5 | ND | 16 | 32 | .6 | 2 | 6 | 1 | .65 | .005 | 31 | 69 | .14 | 327 | .01 | 4 | .29 | .01 | .16 | 1 |
| 90R18 305-310 | 8 | 8 | 65 | 57 | .3 | 3 | 1 | 128 | .49 | 18 | 5 | ND | 19 | 20 | .6 | 2 | 7 | 1 | .34 | .005 | 37 | 77 | .09 | 393 | .01 | 4 | .33 | .01 | .18 | 1 |
| 90R18 310-315 | 7 | 10 | 159 | 120 | .4 | 3 | 1 | 64 | .48 | 10 | 5 | ND | 17 | 13 | 1.1 | 2 | 7 | 1 | .15 | .005 | 38 | 73 | .06 | 356 | .01 | 4 | .24 | .01 | .18 | 1 |
| 90R18 315-320 | 7 | 9 | 98 | 77 | .3 | 2 | 1 | 101 | .39 | 2 | 5 | ND | 18 | 22 | .8 | 2 | 7 | 1 | .34 | .004 | 42 | 67 | .08 | 236 | .01 | 4 | .31 | .01 | .22 | 3 |
| 90R18 320-325 | 9 | 10 | 96 | 88 | .3 | 3 | 1 | 90 | .42 | 4 | 5 | ND | 18 | 23 | .7 | 2 | 6 | 1 | .31 | .005 | 39 | 79 | .08 | 245 | .01 | 4 | .28 | .01 | .19 | 1 |
| 90R18 325-330 | 11 | 7 | 68 | 60 | .2 | 3 | 1 | 101 | .34 | 2 | 13 | ND | 18 | 20 | .6 | 2 | 7 | 1 | .22 | .003 | 44 | 104 | .13 | 205 | .01 | 4 | .38 | .01 | .25 | 1 |
| 90R18 330-335 | 10 | 8 | 53 | 39 | .3 | 2 | 1 | 96 | .50 | 4 | 5 | ND | 17 | 24 | .3 | 2 | 6 | 1 | .31 | .005 | 39 | 96 | .08 | 237 | .01 | 4 | .32 | .01 | .23 | 2 |
| 90R18 335-340 | 7 | 5 | 39 | 29 | .2 | 3 | 1 | 51 | .51 | 8 | 5 | ND | 16 | 28 | .4 | 2 | 5 | 1 | .29 | .004 | 34 | 74 | .05 | 271 | .01 | 4 | .28 | .02 | .21 | 6 |
| 90R18 340-345 | 9 | 10 | 38 | 28 | .2 | 4 | 1 | 69 | .50 | 5 | 5 | ND | 13 | 28 | .4 | 2 | 5 | 1 | .33 | .005 | 31 | 93 | .07 | 242 | .01 | 6 | .34 | .01 | .24 | 2 |
| 90R18 345-350 | 11 | 5 | 40 | 16 | .2 | 3 | 1 | 38 | .38 | 5 | 5 | ND | 9 | 28 | .3 | 2 | 3 | 1 | .43 | .003 | 12 | 113 | .07 | 334 | .01 | 4 | .37 | .01 | .23 | 1 |
| 90R18 350-355 | 10 | 5 | 70 | 78 | .3 | 2 | 1 | 58 | .38 | 5 | 5 | ND | 13 | 52 | .3 | 2 | 4 | 1 | .57 | .004 | 22 | 97 | .08 | 607 | .01 | 4 | .36 | .02 | .24 | 1 |
| 90R18 355-360 | 8 | 13 | 260 | 355 | .8 | 2 | 1 | 72 | .58 | 9 | 5 | ND | 9 | 28 | .9 | 2 | 3 | 1 | .33 | .004 | 11 | 80 | .06 | 258 | .01 | 5 | .31 | .02 | .21 | 2 |
| STANDARD C | 19 | 62 | 37 | 133 | 7.6 | 73 | 31 | 1056 | 3.98 | 42 | 16 | 8 | 38 | 52 | 18.6 | 18 | 21 | 55 | .45 | .094 | 36 | 58 | .90 | 187 | .08 | 39 | 1.90 | .06 | .13 | 12 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R18 360-365 | 16 | 8 | 240 | 319 | .1 | 4 | 1 | 78 | .59 | 5 | 5 | ND | 11 | 23 | .8 | 2 | 2 | 1 | .31 | .003 | 33 | 177 | .16 | 317 | .01 | 3 | .35 | .01 | .23 | 1 |
| 90R18 365-370 | 14 | 6 | 37 | 42 | .1 | 3 | 7 | 74 | .47 | 2 | 5 | ND | 9 | 41 | .4 | 2 | 2 | 1 | .46 | .004 | 24 | 153 | .17 | 360 | .01 | 3 | .35 | .02 | .21 | 25 |
| 90R18 370-375 | 14 | 6 | 42 | 34 | .1 | 2 | 2 | 52 | .42 | 2 | 5 | ND | 5 | 30 | .2 | 2 | 2 | 1 | .25 | .005 | 12 | 146 | .24 | 317 | .01 | 3 | .38 | .01 | .20 | 10 |
| 90R18 375-380 | 18 | 8 | 77 | 50 | .2 | 4 | 1 | 105 | .77 | 2 | 5 | ND | 11 | 47 | .3 | 2 | 2 | 1 | .68 | .005 | 28 | 186 | .46 | 277 | .01 | 3 | .48 | .01 | .20 | 1 |
| 90R18 380-385 | 12 | 10 | 60 | 48 | .1 | 2 | 14 | 123 | .64 | 2 | 5 | ND | 14 | 57 | .5 | 2 | 2 | 1 | .74 | .005 | 38 | 122 | .76 | 250 | .01 | 3 | .58 | .01 | .17 | 50 |
| 90R18 385-390 | 11 | 38 | 276 | 209 | .1 | 8 | 16 | 160 | 1.24 | 28 | 5 | ND | 8 | 27 | 1.9 | 2 | 2 | 1 | .37 | .017 | 22 | 93 | .18 | 45 | .01 | 3 | .32 | .02 | .14 | 60 |
| 90R18 390-395 | 9 | 32 | 102 | 71 | .2 | 4 | 16 | 71 | .64 | 12 | 5 | ND | 13 | 34 | .6 | 2 | 2 | 1 | .33 | .006 | 31 | 85 | .09 | 214 | .01 | 4 | .27 | .02 | .18 | 75 |
| STANDARD C | 20 | 62 | 37 | 133 | 7.4 | 73 | 32 | 1060 | 3.97 | 41 | 18 | 8 | 37 | 56 | 19.5 | 14 | 21 | 59 | .48 | .094 | 37 | 60 | .87 | 180 | .08 | 33 | 1.90 | .06 | .13 | 11 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R19 0-5 | 7 | 34 | 82 | 43 | .7 | 4 | 2 | 135 | 1.90 | 9 | 5 | ND | 7 | 50 | .2 | 3 | 3 | 4 | .05 | .042 | 14 | 60 | .40 | 233 | .01 | 7 | .62 | .02 | .21 | 2 |
| 90R19 5-10 | 4 | 41 | 61 | 68 | .7 | 9 | 2 | 163 | 2.09 | 12 | 5 | ND | 8 | 58 | .2 | 2 | 2 | 6 | .02 | .050 | 14 | 70 | .96 | 146 | .01 | 8 | .92 | .01 | .15 | 1 |
| 90R19 10-15 | 5 | 51 | 59 | 74 | .8 | 8 | 3 | 129 | 2.11 | 7 | 5 | ND | 7 | 22 | .2 | 2 | 2 | 5 | .01 | .036 | 13 | 66 | .89 | 155 | .01 | 10 | .83 | .01 | .15 | 1 |
| 90R19 15-20 | 8 | 43 | 92 | 43 | .9 | 4 | 1 | 89 | 1.97 | 10 | 5 | ND | 9 | 13 | .2 | 2 | 2 | 4 | .01 | .042 | 16 | 40 | .50 | 124 | .01 | 8 | .61 | .01 | .16 | 2 |
| 90R19 20-25 | 5 | 61 | 47 | 78 | .9 | 13 | 9 | 378 | 2.09 | 13 | 5 | ND | 9 | 10 | .3 | 2 | 2 | 4 | .12 | .061 | 11 | 37 | .64 | 116 | .01 | 9 | .82 | .01 | .23 | 1 |
| 90R19 25-30 | 2 | 80 | 13 | 105 | .4 | 16 | 12 | 737 | 1.79 | 4 | 5 | ND | 7 | 51 | .7 | 2 | 2 | 5 | .83 | .067 | 8 | 35 | .79 | 109 | .01 | 7 | .75 | .01 | .20 | 1 |
| 90R19 30-35 | 2 | 46 | 16 | 173 | .3 | 21 | 14 | 1059 | 2.60 | 2 | 5 | ND | 6 | 79 | .4 | 2 | 2 | 7 | .97 | .074 | 6 | 37 | 1.41 | 106 | .01 | 9 | 1.20 | .01 | .19 | 1 |
| 90R19 35-40 | 6 | 79 | 69 | 131 | .6 | 12 | 8 | 653 | 2.21 | 2 | 5 | ND | 8 | 48 | .2 | 2 | 2 | 5 | .86 | .049 | 6 | 37 | 1.12 | 89 | .01 | 10 | .98 | .01 | .16 | 1 |
| 90R19 40-45 | 4 | 66 | 41 | 91 | .6 | 13 | 9 | 728 | 1.87 | 4 | 5 | ND | 8 | 38 | .6 | 2 | 2 | 4 | .57 | .053 | 9 | 37 | .77 | 93 | .01 | 8 | .76 | .01 | .20 | 1 |
| 90R19 45-50 | 4 | 48 | 76 | 72 | .6 | 11 | 7 | 356 | 1.65 | 3 | 5 | ND | 8 | 12 | .5 | 2 | 2 | 3 | .16 | .055 | 9 | 33 | .55 | 96 | .01 | 7 | .66 | .01 | .20 | 1 |
| 90R19 50-55 | 2 | 68 | 17 | 133 | .3 | 19 | 11 | 1235 | 2.29 | 5 | 5 | ND | 7 | 17 | .7 | 2 | 2 | 9 | .25 | .078 | 15 | 42 | 1.08 | 114 | .01 | 9 | 1.12 | .02 | .23 | 1 |
| 90R19 55-60 | 2 | 57 | 15 | 147 | .7 | 21 | 12 | 1047 | 2.42 | 3 | 5 | ND | 6 | 32 | .2 | 2 | 2 | 9 | .65 | .086 | 13 | 38 | 1.21 | 92 | .01 | 11 | 1.26 | .01 | .22 | 1 |
| 90R19 60-65 | 2 | 54 | 17 | 138 | .7 | 16 | 12 | 865 | 3.13 | 2 | 5 | ND | 6 | 58 | .2 | 2 | 2 | 11 | 1.35 | .088 | 11 | 41 | 1.42 | 83 | .01 | 10 | 1.37 | .01 | .19 | 2 |
| 90R19 65-70 | 1 | 78 | 13 | 167 | .4 | 20 | 12 | 981 | 2.97 | 4 | 5 | ND | 7 | 17 | .2 | 2 | 2 | 12 | .27 | .085 | 15 | 38 | 1.45 | 109 | .01 | 9 | 1.50 | .01 | .23 | 1 |
| 90R19 70-75 | 1 | 78 | 15 | 119 | .4 | 17 | 12 | 615 | 3.11 | 2 | 5 | ND | 5 | 68 | .2 | 2 | 2 | 10 | 1.41 | .084 | 8 | 32 | 1.26 | 99 | .01 | 10 | 1.19 | .01 | .24 | 2 |
| 90R19 75-80 | 1 | 32 | 15 | 95 | .4 | 15 | 11 | 679 | 2.92 | 3 | 5 | ND | 5 | 57 | .4 | 2 | 2 | 9 | 1.32 | .079 | 7 | 32 | 1.16 | 92 | .01 | 11 | 1.08 | .01 | .21 | 1 |
| 90R19 80-85 | 1 | 55 | 12 | 82 | .6 | 13 | 9 | 599 | 2.04 | 5 | 5 | ND | 6 | 70 | .2 | 2 | 2 | 6 | 1.33 | .069 | 6 | 31 | .92 | 114 | .01 | 10 | .94 | .01 | .24 | 2 |
| 90R19 85-90 | 3 | 84 | 36 | 128 | .5 | 11 | 7 | 614 | 1.95 | 11 | 5 | ND | 6 | 68 | .2 | 2 | 2 | 5 | 1.25 | .053 | 5 | 39 | 1.03 | 109 | .01 | 10 | .92 | .01 | .20 | 2 |
| 90R19 90-95 | 2 | 32 | 18 | 113 | 1.5 | 15 | 9 | 583 | 2.26 | 10 | 5 | ND | 6 | 119 | .2 | 2 | 2 | 5 | 1.89 | .078 | 7 | 36 | 1.22 | 94 | .01 | 9 | .92 | .02 | .19 | 1 |
| 90R19 95-100 | 5 | 103 | 119 | 119 | 1.4 | 12 | 7 | 521 | 1.81 | 10 | 5 | ND | 6 | 59 | 1.7 | 2 | 2 | 3 | 1.28 | .051 | 6 | 31 | .77 | 78 | .01 | 9 | .70 | .01 | .21 | 2 |
| 90R19 100-105 | 3 | 70 | 48 | 66 | .9 | 11 | 7 | 456 | 1.53 | 14 | 5 | ND | 7 | 42 | .4 | 2 | 2 | 4 | 1.15 | .059 | 8 | 32 | .53 | 115 | .01 | 9 | .60 | .02 | .22 | 1 |
| 90R19 105-110 | 2 | 37 | 16 | 50 | .4 | 10 | 7 | 560 | 1.36 | 4 | 5 | ND | 7 | 59 | .2 | 2 | 2 | 4 | 1.44 | .060 | 11 | 32 | .60 | 212 | .01 | 8 | .69 | .02 | .25 | 2 |
| 90R19 110-115 | 3 | 94 | 62 | 118 | .8 | 13 | 10 | 626 | 2.03 | 25 | 5 | ND | 7 | 48 | .5 | 2 | 2 | 5 | .84 | .059 | 10 | 47 | .59 | 75 | .01 | 8 | .82 | .02 | .27 | 1 |
| 90R19 115-120 | 2 | 44 | 23 | 68 | .7 | 11 | 8 | 682 | 1.43 | 28 | 5 | ND | 9 | 75 | .2 | 2 | 2 | 3 | 1.21 | .037 | 12 | 46 | .57 | 70 | .01 | 8 | .75 | .01 | .26 | 1 |
| 90R19 120-125 | 2 | 33 | 7 | 91 | .4 | 23 | 12 | 1049 | 2.13 | 36 | 5 | ND | 10 | 95 | .7 | 2 | 2 | 6 | 1.57 | .037 | 17 | 85 | .81 | 60 | .01 | 7 | .75 | .01 | .22 | 1 |
| 90R19 125-130 | 3 | 40 | 20 | 48 | .5 | 9 | 7 | 425 | 1.75 | 30 | 5 | ND | 10 | 41 | .2 | 2 | 2 | 5 | .39 | .059 | 23 | 36 | .21 | 136 | .01 | 10 | .48 | .03 | .25 | 2 |
| 90R19 130-135 | 3 | 68 | 23 | 57 | .3 | 11 | 8 | 505 | 1.86 | 24 | 5 | ND | 9 | 40 | .2 | 2 | 2 | 5 | .81 | .052 | 19 | 49 | .35 | 106 | .01 | 8 | .61 | .03 | .26 | 1 |
| 90R19 135-140 | 3 | 45 | 20 | 78 | .3 | 11 | 8 | 699 | 1.61 | 27 | 5 | ND | 8 | 62 | .7 | 2 | 2 | 5 | 1.36 | .050 | 19 | 46 | .44 | 135 | .01 | 8 | .60 | .02 | .22 | 1 |
| 90R19 140-145 | 3 | 66 | 54 | 63 | .1 | 2 | 2 | 167 | .46 | 8 | 5 | ND | 15 | 17 | .5 | 2 | 2 | 1 | .28 | .008 | 23 | 34 | .14 | 254 | .01 | 3 | .37 | .01 | .19 | 1 |
| 90R19 145-150 | 3 | 39 | 43 | 23 | .1 | 1 | 1 | 63 | .21 | 2 | 5 | ND | 18 | 13 | .2 | 2 | 2 | 1 | .11 | .002 | 25 | 26 | .08 | 376 | .01 | 4 | .30 | .02 | .22 | 2 |
| STANDARD C | 20 | 61 | 44 | 133 | 7.3 | 73 | 32 | 1045 | 3.98 | 43 | 19 | 6 | 38 | 52 | 18.7 | 14 | 21 | 57 | .46 | .095 | 36 | 61 | .87 | 180 | .07 | 39 | 1.89 | .06 | .13 | 12 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R20 0-5 | 10 | 34 | 45 | 72 | .3 | 15 | 9 | 582 | 2.31 | 7 | 5 | ND | 4 | 19 | .4 | 2 | 2 | 15 | .15 | .051 | 17 | 112 | .58 | 288 | .02 | 3 | 1.14 | .02 | .18 | 4 |
| 90R20 5-10 | 10 | 38 | 43 | 57 | .4 | 12 | 9 | 507 | 2.18 | 10 | 5 | ND | 4 | 28 | .3 | 2 | 2 | 13 | .09 | .051 | 17 | 112 | .46 | 701 | .02 | 5 | .96 | .02 | .15 | 4 |
| 90R20 10-15 | 10 | 51 | 29 | 66 | .5 | 11 | 4 | 293 | 1.89 | 14 | 5 | ND | 8 | 32 | .3 | 2 | 2 | 6 | .08 | .047 | 17 | 96 | .27 | 348 | .01 | 3 | .66 | .03 | .22 | 1 |
| 90R20 15-20 | 12 | 51 | 74 | 59 | .7 | 9 | 2 | 191 | 1.73 | 6 | 5 | ND | 9 | 38 | .4 | 2 | 2 | 5 | .10 | .045 | 15 | 113 | .29 | 230 | .01 | 4 | .65 | .03 | .26 | 1 |
| 90R20 20-25 | 8 | 41 | 55 | 82 | .8 | 11 | 2 | 230 | 1.86 | 2 | 5 | ND | 9 | 38 | .5 | 2 | 2 | 3 | .13 | .048 | 15 | 71 | .36 | 229 | .01 | 4 | .69 | .03 | .23 | 1 |
| 90R20 25-30 | 15 | 59 | 65 | 66 | 1.5 | 16 | 9 | 438 | 2.05 | 6 | 5 | ND | 8 | 22 | .3 | 2 | 2 | 5 | .06 | .037 | 16 | 134 | .25 | 278 | .01 | 4 | .65 | .03 | .25 | 1 |
| 90R20 30-35 | 10 | 39 | 65 | 76 | 1.5 | 16 | 9 | 321 | 2.02 | 17 | 5 | ND | 8 | 12 | .3 | 2 | 2 | 4 | .10 | .052 | 12 | 92 | .29 | 107 | .01 | 5 | .70 | .03 | .25 | 2 |
| 90R20 35-40 | 7 | 75 | 27 | 99 | 2.5 | 20 | 12 | 811 | 1.95 | 21 | 5 | ND | 9 | 22 | 1.2 | 2 | 2 | 6 | .34 | .068 | 15 | 72 | .57 | 120 | .01 | 5 | .92 | .03 | .29 | 1 |
| 90R20 40-45 | 7 | 60 | 17 | 96 | 1.3 | 18 | 10 | 337 | 1.93 | 12 | 5 | ND | 8 | 18 | 1.0 | 2 | 2 | 6 | .23 | .076 | 14 | 79 | .38 | 99 | .01 | 5 | .82 | .04 | .26 | 1 |
| 90R20 45-50 | 9 | 41 | 46 | 96 | 1.3 | 19 | 10 | 146 | 1.77 | 23 | 5 | ND | 9 | 17 | .7 | 2 | 2 | 6 | .19 | .065 | 12 | 82 | .21 | 149 | .01 | 4 | .71 | .04 | .24 | 2 |
| 90R20 50-55 | 9 | 34 | 38 | 76 | 1.0 | 18 | 9 | 110 | 1.75 | 37 | 5 | ND | 9 | 15 | .5 | 2 | 2 | 5 | .21 | .072 | 11 | 78 | .19 | 76 | .01 | 3 | .61 | .04 | .19 | 1 |
| 90R20 55-60 | 7 | 26 | 20 | 65 | .5 | 20 | 9 | 257 | 2.05 | 33 | 5 | ND | 9 | 31 | 1.0 | 2 | 2 | 5 | .58 | .076 | 11 | 64 | .24 | 43 | .01 | 4 | .54 | .05 | .16 | 1 |
| 90R20 60-65 | 7 | 24 | 21 | 51 | .2 | 16 | 9 | 139 | 1.53 | 8 | 5 | ND | 10 | 16 | .5 | 2 | 2 | 4 | .34 | .071 | 11 | 70 | .16 | 106 | .01 | 4 | .55 | .04 | .20 | 1 |
| 90R20 65-70 | 6 | 46 | 72 | 139 | .6 | 17 | 9 | 773 | 2.35 | 27 | 5 | ND | 9 | 66 | .9 | 2 | 2 | 5 | 1.71 | .067 | 8 | 56 | .77 | 97 | .01 | 3 | .92 | .01 | .20 | 1 |
| 90R20 70-75 | 9 | 82 | 202 | 312 | 1.0 | 16 | 9 | 829 | 2.90 | 20 | 5 | ND | 8 | 63 | 1.6 | 3 | 2 | 8 | .96 | .069 | 8 | 78 | 1.69 | 194 | .01 | 4 | 1.65 | .03 | .21 | 1 |
| 90R20 75-80 | 9 | 137 | 189 | 305 | 1.6 | 16 | 9 | 863 | 3.15 | 2 | 5 | ND | 8 | 32 | 1.7 | 2 | 2 | 10 | 1.11 | .074 | 8 | 72 | 1.92 | 140 | .01 | 3 | 1.81 | .02 | .19 | 1 |
| 90R20 80-85 | 9 | 57 | 230 | 316 | 1.0 | 17 | 9 | 865 | 3.09 | 2 | 5 | ND | 8 | 27 | 1.7 | 3 | 2 | 10 | 1.20 | .075 | 7 | 76 | 1.86 | 121 | .01 | 4 | 1.75 | .03 | .18 | 1 |
| 90R20 85-90 | 8 | 114 | 181 | 315 | 1.3 | 14 | 9 | 843 | 2.81 | 3 | 5 | ND | 8 | 25 | 1.8 | 2 | 2 | 9 | 1.24 | .069 | 6 | 62 | 1.72 | 126 | .01 | 5 | 1.63 | .03 | .17 | 1 |
| 90R20 90-95 | 8 | 84 | 132 | 289 | .7 | 16 | 9 | 982 | 2.89 | 2 | 5 | ND | 7 | 31 | 1.5 | 3 | 2 | 9 | 1.63 | .067 | 6 | 82 | 1.75 | 68 | .01 | 6 | 1.60 | .02 | .19 | 1 |
| 90R20 95-100 | 8 | 109 | 277 | 239 | 1.0 | 15 | 8 | 907 | 2.69 | 2 | 5 | ND | 8 | 32 | 1.6 | 3 | 2 | 8 | 1.36 | .069 | 6 | 53 | 1.58 | 88 | .01 | 4 | 1.49 | .02 | .19 | 1 |
| 90R20 100-105 | 7 | 48 | 57 | 166 | .6 | 14 | 8 | 1003 | 2.45 | 20 | 5 | ND | 8 | 54 | 1.2 | 2 | 2 | 6 | 1.73 | .069 | 7 | 73 | 1.34 | 69 | .01 | 3 | 1.17 | .02 | .20 | 1 |
| 90R20 105-110 | 7 | 43 | 50 | 160 | .3 | 13 | 8 | 1137 | 2.32 | 2 | 5 | ND | 6 | 59 | 1.2 | 2 | 2 | 6 | 2.06 | .076 | 6 | 78 | 1.34 | 126 | .01 | 3 | 1.06 | .02 | .18 | 1 |
| 90R20 125-130 | 6 | 52 | 41 | 140 | .4 | 15 | 8 | 683 | 2.10 | 35 | 5 | ND | 7 | 66 | .9 | 2 | 2 | 5 | .99 | .070 | 8 | 62 | 1.10 | 63 | .01 | 2 | .96 | .01 | .18 | 1 |
| 90R20 130-135 | 7 | 38 | 43 | 107 | .7 | 16 | 9 | 533 | 2.14 | 334 | 5 | ND | 9 | 67 | .6 | 2 | 2 | 5 | .85 | .066 | 8 | 64 | .88 | 55 | .01 | 5 | .86 | .02 | .18 | 1 |
| 90R20 135-140 | 8 | 27 | 115 | 97 | .6 | 18 | 10 | 462 | 2.26 | 168 | 5 | ND | 8 | 77 | .6 | 2 | 2 | 5 | .62 | .067 | 9 | 54 | .82 | 67 | .01 | 4 | .85 | .02 | .16 | 1 |
| 90R20 140-145 | 9 | 24 | 115 | 82 | .6 | 17 | 8 | 447 | 2.07 | 55 | 5 | ND | 9 | 103 | .5 | 2 | 2 | 5 | .61 | .061 | 11 | 58 | .84 | 119 | .01 | 6 | .95 | .03 | .21 | 1 |
| 90R20 145-150 | 5 | 28 | 36 | 99 | .3 | 15 | 8 | 518 | 1.74 | 74 | 5 | ND | 8 | 76 | .5 | 2 | 2 | 5 | .68 | .059 | 12 | 62 | .70 | 135 | .01 | 4 | .84 | .02 | .24 | 1 |
| 90R20 150-155 | 7 | 22 | 51 | 113 | .6 | 15 | 8 | 701 | 2.05 | 70 | 5 | ND | 8 | 60 | .8 | 2 | 2 | 6 | .63 | .057 | 11 | 65 | 1.07 | 128 | .01 | 4 | 1.07 | .02 | .25 | 1 |
| 90R20 155-160 | 7 | 30 | 78 | 107 | .6 | 17 | 10 | 619 | 2.26 | 85 | 5 | ND | 8 | 77 | .8 | 2 | 2 | 5 | .73 | .070 | 9 | 59 | .99 | 96 | .01 | 4 | .96 | .02 | .19 | 1 |
| 90R20 160-165 | 10 | 19 | 53 | 101 | .4 | 15 | 7 | 523 | 2.40 | 60 | 5 | ND | 9 | 35 | 1.0 | 2 | 2 | 5 | .40 | .052 | 8 | 88 | 1.15 | 90 | .01 | 4 | 1.06 | .02 | .21 | 1 |
| 90R20 165-170 | 8 | 22 | 31 | 74 | .5 | 15 | 8 | 564 | 2.01 | 60 | 5 | ND | 8 | 53 | .6 | 2 | 2 | 4 | .68 | .057 | 8 | 77 | .96 | 69 | .01 | 4 | .87 | .02 | .19 | 1 |
| 90R20 170-175 | 8 | 22 | 63 | 84 | .5 | 15 | 7 | 436 | 2.07 | 30 | 5 | ND | 8 | 39 | .6 | 2 | 2 | 4 | .50 | .055 | 8 | 69 | .93 | 71 | .01 | 5 | .85 | .02 | .20 | 1 |
| 90R20 175-180 | 10 | 20 | 49 | 62 | .6 | 16 | 8 | 403 | 2.20 | 31 | 5 | ND | 7 | 46 | .4 | 2 | 2 | 4 | .63 | .053 | 7 | 85 | .71 | 86 | .01 | 4 | .69 | .01 | .18 | 1 |
| 90R20 180-185 | 8 | 24 | 58 | 95 | .5 | 15 | 8 | 459 | 2.19 | 40 | 5 | ND | 9 | 36 | .5 | 2 | 2 | 3 | .44 | .053 | 8 | 60 | .96 | 95 | .01 | 5 | .87 | .01 | .19 | 1 |
| 90R20 185-190 | 8 | 21 | 21 | 98 | .4 | 16 | 8 | 463 | 1.87 | 56 | 5 | ND | 9 | 42 | .4 | 2 | 2 | 3 | .47 | .049 | 8 | 63 | .99 | 101 | .01 | 5 | .88 | .01 | .18 | 1 |
| 90R20 190-195 | 8 | 24 | 30 | 103 | .5 | 18 | 8 | 387 | 2.04 | 31 | 5 | ND | 9 | 39 | .5 | 2 | 2 | 3 | .52 | .051 | 8 | 67 | .94 | 104 | .01 | 6 | .85 | .02 | .18 | 1 |
| 90R20 195-200 | 8 | 36 | 37 | 79 | .7 | 19 | 9 | 495 | 2.41 | 32 | 5 | ND | 7 | 78 | .8 | 2 | 2 | 4 | .93 | .049 | 8 | 78 | .79 | 53 | .01 | 4 | .65 | .02 | .17 | 1 |
| STANDARD C | 20 | 63 | 44 | 133 | 7.6 | 73 | 32 | 1061 | 3.98 | 43 | 24 | 8 | 38 | 56 | 19.3 | 18 | 17 | 59 | .47 | .094 | 38 | 60 | .91 | 183 | .07 | 34 | 2.00 | .06 | .14 | 11 |

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

**Northern Analytical Labs. Ltd.** PROJECT WO#13023 File # 90-6209 Page 1

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R21 0-5 | 9 | 25 | 45 | 99 | .4 | 17 | 7 | 860 | 1.82 | 19 | 5 | ND | 8 | 17 | .5 | 2 | 2 | 11 | .17 | .052 | 21 | 101 | .82 | 440 | .01 | 2 | 1.01 | .01 | .22 | 1 |
| 90R21 5-10 | 10 | 17 | 29 | 91 | .3 | 13 | 6 | 709 | 2.05 | 9 | 5 | ND | 8 | 19 | .5 | 2 | 2 | 14 | .18 | .059 | 22 | 117 | .92 | 191 | .01 | 2 | 1.10 | .03 | .18 | 1 |
| 90R21 10-15 | 5 | 13 | 26 | 60 | .2 | 14 | 6 | 430 | 1.54 | 5 | 5 | ND | 9 | 20 | .2 | 2 | 2 | 9 | .23 | .062 | 24 | 56 | .83 | 209 | .01 | 2 | .96 | .02 | .23 | 1 |
| 90R21 15-20 | 5 | 22 | 30 | 60 | .2 | 9 | 7 | 424 | 1.63 | 37 | 5 | ND | 10 | 19 | .2 | 2 | 2 | 9 | .18 | .057 | 26 | 74 | .91 | 332 | .01 | 2 | .96 | .01 | .26 | 1 |
| 90R21 20-25 | 7 | 17 | 118 | 58 | .5 | 10 | 5 | 383 | 1.27 | 13 | 5 | ND | 9 | 28 | .2 | 2 | 4 | 7 | .35 | .031 | 18 | 90 | .91 | 192 | .01 | 2 | .80 | .01 | .17 | 1 |
| 90R21 25-30 | 7 | 23 | 24 | 54 | .2 | 12 | 5 | 341 | 1.36 | 19 | 5 | ND | 9 | 46 | .2 | 2 | 2 | 7 | .61 | .037 | 20 | 91 | 1.11 | 255 | .01 | 2 | .93 | .02 | .21 | 1 |
| 90R21 30-35 | 8 | 26 | 43 | 69 | .3 | 11 | 4 | 396 | 1.33 | 24 | 5 | ND | 8 | 56 | .2 | 2 | 2 | 6 | .68 | .034 | 16 | 105 | 1.09 | 153 | .01 | 2 | .91 | .02 | .20 | 1 |
| 90R21 35-40 | 5 | 22 | 19 | 61 | .3 | 9 | 6 | 331 | 1.48 | 83 | 5 | ND | 9 | 53 | .2 | 2 | 2 | 9 | .67 | .059 | 15 | 64 | .87 | 141 | .01 | 2 | .83 | .02 | .18 | 1 |
| 90R21 40-45 | 5 | 16 | 21 | 58 | .4 | 14 | 8 | 353 | 1.38 | 90 | 5 | ND | 8 | 73 | .3 | 2 | 2 | 8 | .85 | .056 | 13 | 63 | .69 | 155 | .01 | 3 | .70 | .02 | .21 | 1 |
| 90R21 45-50 | 5 | 5 | 15 | 32 | .1 | 5 | 3 | 228 | .90 | 4 | 5 | ND | 8 | 82 | .2 | 2 | 2 | 4 | .86 | .039 | 16 | 59 | .62 | 171 | .01 | 2 | .59 | .01 | .22 | 1 |
| 90R21 50-55 | 7 | 7 | 29 | 51 | 3.3 | 6 | 4 | 228 | 1.16 | 3 | 5 | 11 | 8 | 61 | .2 | 2 | 2 | 5 | .69 | .034 | 21 | 87 | .89 | 155 | .01 | 2 | .71 | .01 | .21 | 2 |
| 90R21 55-60 | 8 | 8 | 28 | 54 | .1 | 7 | 4 | 258 | 1.24 | 2 | 5 | ND | 10 | 51 | .2 | 2 | 2 | 5 | .61 | .036 | 20 | 101 | 1.02 | 195 | .01 | 2 | .89 | .02 | .25 | 1 |
| 90R21 60-65 | 10 | 9 | 11 | 60 | .1 | 7 | 5 | 269 | 1.30 | 9 | 5 | ND | 10 | 53 | .2 | 2 | 2 | 5 | .57 | .036 | 22 | 123 | 1.07 | 198 | .01 | 2 | 1.01 | .02 | .25 | 1 |
| 90R21 65-70 | 9 | 10 | 24 | 63 | .3 | 7 | 4 | 283 | 1.18 | 38 | 5 | ND | 11 | 43 | .3 | 2 | 2 | 5 | .39 | .030 | 22 | 109 | .99 | 170 | .01 | 2 | .89 | .01 | .22 | 1 |
| 90R21 70-75 | 12 | 11 | 137 | 50 | .8 | 8 | 3 | 217 | .87 | 53 | 5 | ND | 12 | 16 | .2 | 2 | 2 | 6 | .07 | .016 | 17 | 144 | .68 | 140 | .01 | 3 | .59 | .01 | .18 | 1 |
| 90R21 75-80 | 8 | 17 | 71 | 83 | .8 | 7 | 3 | 284 | .92 | 31 | 5 | ND | 13 | 23 | .5 | 2 | 2 | 7 | .24 | .014 | 15 | 98 | .81 | 165 | .01 | 3 | .60 | .02 | .17 | 1 |
| 90R21 80-85 | 9 | 47 | 27 | 94 | .5 | 9 | 7 | 353 | 1.60 | 28 | 5 | ND | 9 | 33 | .2 | 2 | 2 | 9 | .31 | .043 | 11 | 115 | 1.32 | 143 | .01 | 2 | .88 | .02 | .20 | 1 |
| 90R21 85-90 | 12 | 48 | 16 | 108 | .6 | 10 | 7 | 382 | 1.86 | 9 | 5 | ND | 7 | 53 | .2 | 2 | 2 | 10 | .42 | .046 | 11 | 147 | 1.47 | 166 | .01 | 2 | .97 | .02 | .24 | 1 |
| 90R21 90-95 | 11 | 55 | 35 | 94 | 1.1 | 10 | 6 | 327 | 1.62 | 7 | 5 | ND | 7 | 77 | .6 | 2 | 2 | 8 | .48 | .035 | 10 | 119 | 1.07 | 162 | .01 | 2 | .75 | .02 | .23 | 1 |
| 90R21 95-100 | 15 | 29 | 30 | 46 | .9 | 9 | 4 | 285 | 1.12 | 15 | 5 | ND | 3 | 68 | .2 | 2 | 2 | 5 | .79 | .014 | 6 | 179 | .45 | 137 | .01 | 2 | .35 | .01 | .12 | 1 |
| 90R21 100-105 | 11 | 30 | 29 | 46 | .9 | 7 | 4 | 296 | 1.13 | 9 | 5 | ND | 4 | 95 | .3 | 2 | 2 | 5 | .86 | .021 | 7 | 109 | .69 | 173 | .01 | 2 | .45 | .01 | .14 | 1 |
| 90R21 105-110 | 9 | 24 | 21 | 43 | .2 | 5 | 3 | 267 | .83 | 9 | 5 | ND | 10 | 53 | .2 | 2 | 2 | 6 | .37 | .015 | 10 | 105 | .67 | 264 | .01 | 2 | .51 | .02 | .19 | 1 |
| 90R21 110-115 | 9 | 17 | 40 | 50 | .5 | 5 | 3 | 258 | .95 | 17 | 5 | ND | 11 | 38 | .7 | 2 | 2 | 5 | .34 | .014 | 10 | 86 | .64 | 163 | .01 | 2 | .50 | .02 | .18 | 1 |
| 90R21 115-120 | 13 | 21 | 47 | 63 | .6 | 10 | 6 | 320 | 1.50 | 11 | 5 | ND | 7 | 69 | .2 | 2 | 2 | 7 | .61 | .026 | 10 | 149 | .96 | 153 | .01 | 2 | .65 | .02 | .16 | 1 |
| 90R21 120-125 | 8 | 22 | 56 | 101 | .7 | 14 | 10 | 448 | 2.18 | 9 | 5 | ND | 7 | 52 | 1.1 | 4 | 2 | 13 | .52 | .050 | 10 | 144 | 1.93 | 132 | .01 | 2 | 1.11 | .02 | .15 | 1 |
| 90R21 125-130 | 10 | 22 | 60 | 127 | .8 | 15 | 10 | 547 | 2.02 | 10 | 5 | ND | 5 | 118 | .2 | 2 | 2 | 11 | 1.17 | .041 | 10 | 148 | 1.62 | 107 | .01 | 3 | .88 | .02 | .16 | 1 |
| 90R21 130-135 | 10 | 19 | 61 | 103 | .5 | 13 | 10 | 454 | 1.97 | 5 | 5 | ND | 6 | 110 | .4 | 2 | 2 | 11 | .71 | .057 | 11 | 133 | 1.67 | 131 | .01 | 2 | .91 | .02 | .18 | 1 |
| 90R21 135-140 | 5 | 29 | 36 | 94 | .6 | 12 | 7 | 407 | 1.62 | 16 | 5 | ND | 8 | 76 | .4 | 3 | 2 | 10 | .50 | .039 | 10 | 65 | 1.30 | 166 | .01 | 2 | .78 | .01 | .15 | 1 |
| 90R21 140-145 | 7 | 36 | 47 | 92 | .6 | 13 | 9 | 470 | 1.72 | 10 | 5 | ND | 7 | 75 | .8 | 2 | 2 | 10 | .65 | .041 | 10 | 106 | 1.48 | 202 | .01 | 2 | .90 | .02 | .18 | 1 |
| 90R21 145-150 | 9 | 36 | 36 | 79 | .4 | 13 | 8 | 491 | 1.75 | 8 | 5 | ND | 7 | 77 | .2 | 2 | 2 | 9 | .68 | .041 | 11 | 114 | 1.22 | 159 | .01 | 4 | .83 | .02 | .21 | 1 |
| STANDARD C | 19 | 63 | 42 | 133 | 7.3 | 73 | 31 | 1046 | 4.00 | 40 | 18 | 7 | 36 | 53 | 18.9 | 15 | 22 | 58 | .47 | .097 | 36 | 60 | .86 | 179 | .08 | 36 | 1.89 | .06 | .13 | 13 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PULP

**DATE RECEIVED:** DEC 3 1990 **DATE REPORT MAILED:** Dec 6/90 **SIGNED BY..** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R22 0-5 | 6 | 6 | 40 | 53 | .2 | 7 | 1 | 230 | .57 | 9 | 5 | ND | 15 | 10 | .2 | 2 | 2 | 5 | .04 | .005 | 25 | 61 | .72 | 376 | .01 | 2 | .61 | .01 | .15 | 1 |
| 90R22 5-10 | 7 | 5 | 24 | 39 | .2 | 9 | 2 | 183 | .51 | 6 | 5 | ND | 15 | 7 | .2 | 2 | 2 | 5 | .02 | .004 | 27 | 83 | .61 | 258 | .01 | 2 | .55 | .01 | .16 | 1 |
| 90R22 10-15 | 6 | 4 | 32 | 40 | .2 | 11 | 1 | 203 | .40 | 6 | 5 | ND | 16 | 12 | .2 | 2 | 2 | 6 | .09 | .004 | 30 | 66 | .59 | 136 | .01 | 2 | .45 | .01 | .13 | 1 |
| 90R22 15-20 | 10 | 6 | 21 | 27 | .2 | 6 | 1 | 127 | .30 | 2 | 5 | ND | 17 | 14 | .2 | 2 | 2 | 7 | .10 | .002 | 30 | 111 | .28 | 193 | .01 | 2 | .34 | .01 | .16 | 2 |
| 90R22 20-25 | 8 | 4 | 25 | 22 | .1 | 4 | 1 | 114 | .22 | 2 | 6 | ND | 17 | 17 | .2 | 2 | 2 | 5 | .10 | .002 | 32 | 85 | .18 | 188 | .01 | 2 | .25 | .01 | .14 | 2 |
| 90R22 25-30 | 8 | 2 | 19 | 20 | .1 | 3 | 1 | 129 | .34 | 6 | 5 | ND | 15 | 18 | .2 | 2 | 2 | 5 | .12 | .002 | 25 | 78 | .39 | 145 | .01 | 2 | .34 | .01 | .14 | 1 |
| 90R22 30-35 | 12 | 13 | 27 | 48 | .3 | 8 | 4 | 206 | .89 | 9 | 5 | ND | 10 | 21 | .4 | 2 | 2 | 7 | .12 | .017 | 12 | 133 | .61 | 138 | .01 | 2 | .51 | .02 | .15 | 2 |
| 90R22 35-40 | 9 | 19 | 35 | 79 | .4 | 9 | 5 | 280 | 1.44 | 40 | 5 | ND | 8 | 40 | .2 | 2 | 2 | 8 | .24 | .035 | 8 | 102 | .87 | 140 | .01 | 2 | .62 | .02 | .17 | 1 |
| 90R22 40-45 | 7 | 17 | 32 | 104 | .4 | 10 | 8 | 333 | 1.66 | 5 | 5 | ND | 7 | 68 | .5 | 2 | 2 | 9 | .37 | .040 | 9 | 97 | 1.13 | 128 | .01 | 2 | .73 | .02 | .18 | 1 |
| 90R22 45-50 | 9 | 25 | 14 | 111 | .6 | 12 | 7 | 384 | 1.57 | 7 | 5 | ND | 9 | 77 | .6 | 2 | 2 | 10 | .44 | .034 | 9 | 139 | 1.31 | 185 | .01 | 2 | .83 | .02 | .20 | 1 |
| 90R22 50-55 | 9 | 16 | 39 | 57 | .3 | 10 | 4 | 255 | .96 | 26 | 5 | ND | 11 | 51 | .4 | 2 | 2 | 6 | .28 | .020 | 10 | 96 | .84 | 223 | .01 | 2 | .56 | .01 | .16 | 1 |
| 90R22 55-60 | 8 | 20 | 18 | 38 | .3 | 7 | 3 | 214 | .88 | 15 | 5 | ND | 12 | 51 | .2 | 2 | 2 | 4 | .30 | .020 | 12 | 84 | .59 | 227 | .01 | 2 | .43 | .02 | .17 | 1 |
| 90R22 60-65 | 9 | 16 | 41 | 54 | .3 | 7 | 3 | 223 | 1.06 | 36 | 5 | ND | 13 | 42 | .2 | 2 | 2 | 5 | .26 | .017 | 13 | 94 | .75 | 175 | .01 | 2 | .53 | .02 | .18 | 2 |
| 90R22 65-70 | 10 | 19 | 30 | 127 | 2.0 | 19 | 11 | 656 | 2.36 | 57 | 5 | ND | 5 | 187 | 1.0 | 4 | 2 | 9 | 1.54 | .035 | 7 | 97 | 2.43 | 91 | .01 | 2 | .95 | .01 | .18 | 1 |
| 90R22 70-75 | 8 | 32 | 37 | 112 | .6 | 16 | 9 | 427 | 1.89 | 297 | 5 | ND | 8 | 74 | .5 | 4 | 2 | 9 | .53 | .039 | 8 | 90 | 1.73 | 94 | .01 | 2 | .90 | .01 | .17 | 1 |
| 90R22 75-80 | 10 | 22 | 28 | 96 | 1.3 | 14 | 8 | 583 | 1.81 | 50 | 5 | ND | 6 | 271 | .6 | 4 | 2 | 7 | 2.04 | .031 | 8 | 88 | 1.80 | 91 | .01 | 2 | .62 | .01 | .18 | 1 |
| 90R22 80-85 | 6 | 26 | 42 | 87 | .7 | 11 | 8 | 377 | 1.46 | 18 | 5 | ND | 8 | 98 | .4 | 2 | 2 | 6 | .70 | .045 | 9 | 67 | 1.19 | 137 | .01 | 2 | .65 | .01 | .15 | 1 |
| 90R22 90-95 | 7 | 41 | 8 | 73 | .5 | 25 | 10 | 192 | 2.58 | 8 | 5 | ND | 5 | 32 | .2 | 2 | 2 | 34 | .37 | .074 | 17 | 83 | 1.27 | 272 | .11 | 2 | 1.31 | .01 | .50 | 1 |
| 90R22 95-100 | 10 | 26 | 48 | 83 | .8 | 11 | 7 | 419 | 1.54 | 24 | 5 | ND | 8 | 103 | .5 | 2 | 2 | 7 | .69 | .036 | 8 | 86 | 1.21 | 121 | .01 | 2 | .69 | .01 | .16 | 1 |
| 90R22 100-105 | 9 | 41 | 35 | 87 | .6 | 12 | 7 | 411 | 1.61 | 14 | 5 | ND | 8 | 78 | .3 | 2 | 2 | 8 | .58 | .039 | 10 | 101 | 1.19 | 145 | .01 | 2 | .77 | .01 | .19 | 1 |
| 90R22 105-110 | 8 | 26 | 55 | 67 | .6 | 11 | 7 | 399 | 1.37 | 9 | 5 | ND | 9 | 110 | .7 | 2 | 2 | 7 | .70 | .035 | 10 | 82 | .97 | 155 | .01 | 2 | .60 | .01 | .16 | 1 |
| 90R22 110-115 | 10 | 13 | 15 | 34 | .2 | 7 | 5 | 313 | .90 | 6 | 5 | ND | 11 | 65 | .5 | 2 | 2 | 5 | .49 | .030 | 14 | 114 | .63 | 264 | .01 | 2 | .55 | .02 | .24 | 1 |
| 90R22 115-120 | 10 | 22 | 59 | 93 | .6 | 11 | 7 | 475 | 1.59 | 18 | 5 | ND | 9 | 69 | .7 | 2 | 2 | 9 | .53 | .038 | 11 | 103 | 1.25 | 176 | .01 | 2 | .84 | .02 | .17 | 1 |
| 90R22 120-125 | 7 | 35 | 24 | 98 | .5 | 12 | 8 | 549 | 1.88 | 18 | 5 | ND | 8 | 61 | .7 | 2 | 3 | 9 | .50 | .056 | 9 | 88 | 1.36 | 141 | .01 | 3 | .93 | .02 | .18 | 1 |
| 90R22 125-130 | 6 | 31 | 8 | 95 | .4 | 10 | 7 | 453 | 1.74 | 22 | 5 | ND | 8 | 60 | .5 | 2 | 2 | 8 | .42 | .051 | 9 | 81 | 1.27 | 148 | .01 | 2 | .82 | .02 | .17 | 1 |
| 90R22 130-135 | 5 | 29 | 3 | 92 | 1.0 | 10 | 7 | 407 | 1.69 | 17 | 5 | 2 | 8 | 82 | .4 | 2 | 2 | 7 | .53 | .036 | 7 | 69 | 1.21 | 132 | .01 | 3 | .75 | .01 | .17 | 1 |
| 90R22 135-140 | 8 | 44 | 69 | 76 | 1.1 | 13 | 8 | 405 | 1.85 | 16 | 5 | ND | 8 | 97 | .7 | 2 | 2 | 7 | .61 | .040 | 9 | 92 | .93 | 71 | .01 | 3 | .60 | .01 | .17 | 1 |
| 90R22 140-145 | 9 | 23 | 91 | 115 | 1.1 | 14 | 7 | 369 | 2.13 | 30 | 5 | ND | 7 | 75 | .6 | 2 | 2 | 7 | .45 | .039 | 8 | 72 | .74 | 50 | .01 | 2 | .54 | .01 | .16 | 1 |
| 90R22 145-150 | 9 | 25 | 92 | 121 | .6 | 13 | 8 | 706 | 2.36 | 58 | 5 | ND | 6 | 74 | .6 | 3 | 2 | 8 | .81 | .062 | 8 | 79 | 1.22 | 92 | .01 | 2 | .81 | .01 | .20 | 1 |
| STANDARD C | 19 | 62 | 41 | 140 | 7.4 | 72 | 31 | 1043 | 3.98 | 42 | 15 | 7 | 36 | 51 | 18.7 | 15 | 21 | 55 | .44 | .096 | 36 | 58 | .86 | 179 | .08 | 37 | 1.91 | .06 | .14 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R23 0-5 | 11 | 26 | 42 | 70 | .1 | 16 | 10 | 536 | 2.42 | 14 | 5 | ND | 4 | 13 | .2 | 3 | 2 | 14 | .13 | .055 | 19 | 124 | .55 | 239 | .02 | 3 | .98 | .02 | .15 | 1 |
| 90R23 5-10 | 9 | 32 | 19 | 93 | .1 | 18 | 11 | 925 | 2.26 | 196 | 5 | ND | 7 | 12 | 1.2 | 2 | 2 | 10 | .14 | .065 | 24 | 101 | .74 | 245 | .01 | 5 | 1.00 | .02 | .21 | 1 |
| 90R23 10-15 | 6 | 32 | 7 | 89 | .1 | 18 | 15 | 1136 | 2.27 | 501 | 5 | ND | 7 | 10 | .9 | 2 | 2 | 6 | .15 | .075 | 22 | 69 | .74 | 168 | .01 | 4 | .88 | .01 | .22 | 1 |
| 90R23 15-20 | 6 | 46 | 18 | 120 | .3 | 22 | 16 | 1077 | 2.73 | 361 | 5 | ND | 7 | 11 | 1.1 | 2 | 2 | 6 | .17 | .084 | 18 | 64 | .76 | 148 | .01 | 4 | .95 | .01 | .20 | 1 |
| 90R23 20-25 | 6 | 37 | 15 | 91 | .3 | 17 | 12 | 1278 | 2.44 | 90 | 5 | ND | 8 | 18 | .8 | 2 | 2 | 7 | .36 | .075 | 14 | 74 | .87 | 163 | .01 | 2 | .99 | .01 | .23 | 1 |
| 90R23 25-30 | 10 | 37 | 246 | 91 | 4.0 | 21 | 13 | 1020 | 2.64 | 45 | 5 | 2 | 5 | 14 | 1.1 | 2 | 2 | 7 | .20 | .060 | 12 | 120 | .74 | 158 | .01 | 3 | .90 | .02 | .24 | 1 |
| 90R23 30-35 | 7 | 102 | 67 | 77 | 2.9 | 19 | 13 | 1043 | 2.51 | 27 | 5 | 6 | 3 | 63 | 1.1 | 3 | 2 | 6 | .94 | .078 | 8 | 82 | .60 | 62 | .01 | 2 | .75 | .01 | .23 | 1 |
| 90R23 35-40 | 5 | 46 | 25 | 161 | .5 | 21 | 12 | 1111 | 3.21 | 45 | 5 | ND | 6 | 73 | 1.3 | 2 | 2 | 7 | .73 | .075 | 10 | 63 | 1.27 | 91 | .01 | 4 | 1.13 | .02 | .21 | 1 |
| 90R23 40-45 | 10 | 103 | 137 | 218 | .6 | 21 | 12 | 947 | 2.67 | 3 | 5 | ND | 7 | 37 | 1.2 | 2 | 2 | 8 | .35 | .070 | 12 | 105 | 1.44 | 100 | .01 | 4 | 1.44 | .02 | .25 | 1 |
| 90R23 45-50 | 8 | 40 | 15 | 140 | .1 | 23 | 15 | 835 | 2.41 | 8 | 5 | ND | 7 | 28 | .8 | 2 | 2 | 8 | .32 | .079 | 12 | 95 | 1.18 | 168 | .01 | 4 | 1.28 | .02 | .23 | 1 |
| 90R23 50-55 | 9 | 25 | 23 | 71 | .1 | 20 | 11 | 563 | 2.29 | 7 | 5 | ND | 7 | 70 | .5 | 2 | 2 | 5 | .65 | .062 | 9 | 82 | .68 | 59 | .01 | 3 | .65 | .03 | .17 | 2 |
| 90R23 55-60 | 10 | 25 | 16 | 53 | .6 | 19 | 10 | 376 | 2.08 | 5 | 5 | ND | 6 | 77 | .5 | 2 | 2 | 4 | .64 | .053 | 8 | 99 | .54 | 37 | .01 | 6 | .46 | .03 | .18 | 1 |
| 90R23 60-65 | 8 | 20 | 8 | 67 | .1 | 19 | 10 | 336 | 2.44 | 5 | 5 | ND | 6 | 59 | .5 | 2 | 2 | 4 | .51 | .059 | 7 | 89 | .54 | 40 | .01 | 4 | .54 | .02 | .23 | 1 |
| 90R23 65-70 | 11 | 20 | 7 | 40 | .3 | 16 | 10 | 272 | 1.64 | 4 | 5 | ND | 6 | 53 | .3 | 2 | 2 | 3 | .42 | .049 | 7 | 125 | .41 | 76 | .01 | 2 | .43 | .02 | .20 | 2 |
| 90R23 70-75 | 10 | 23 | 5 | 58 | .1 | 16 | 9 | 328 | 1.56 | 17 | 5 | ND | 6 | 51 | .2 | 2 | 2 | 4 | .44 | .062 | 8 | 112 | .67 | 93 | .01 | 3 | .61 | .03 | .22 | 1 |
| 90R23 75-80 | 11 | 24 | 6 | 29 | .2 | 16 | 9 | 403 | 1.54 | 5 | 5 | ND | 6 | 54 | .2 | 2 | 2 | 4 | .63 | .062 | 8 | 125 | .50 | 56 | .01 | 3 | .52 | .02 | .24 | 1 |
| 90R23 80-85 | 8 | 21 | 5 | 40 | .1 | 15 | 9 | 371 | 1.42 | 17 | 5 | ND | 7 | 62 | .3 | 2 | 2 | 5 | .53 | .061 | 10 | 100 | .58 | 92 | .01 | 3 | .66 | .02 | .23 | 1 |
| 90R23 85-90 | 7 | 18 | 9 | 73 | .5 | 18 | 8 | 528 | 2.16 | 16 | 5 | ND | 6 | 77 | .2 | 2 | 2 | 7 | .83 | .052 | 9 | 87 | 1.06 | 70 | .01 | 3 | .83 | .03 | .15 | 1 |
| 90R23 90-95 | 7 | 26 | 5 | 79 | .9 | 17 | 8 | 788 | 2.38 | 7 | 5 | ND | 6 | 195 | .6 | 2 | 2 | 9 | 1.75 | .044 | 10 | 89 | 1.09 | 65 | .01 | 3 | .84 | .04 | .15 | 1 |
| 90R23 95-100 | 5 | 34 | 7 | 87 | 1.1 | 17 | 7 | 932 | 2.39 | 37 | 5 | ND | 7 | 184 | .9 | 2 | 2 | 7 | 2.22 | .027 | 8 | 71 | 1.24 | 81 | .01 | 4 | .77 | .03 | .12 | 1 |
| 90R23 100-105 | 8 | 51 | 84 | 107 | 1.2 | 16 | 8 | 594 | 2.35 | 108 | 5 | ND | 8 | 81 | .6 | 5 | 2 | 7 | .71 | .034 | 8 | 93 | 1.20 | 49 | .01 | 2 | .83 | .03 | .14 | 1 |
| 90R23 105-110 | 9 | 84 | 53 | 102 | .6 | 13 | 7 | 439 | 2.09 | 26 | 5 | ND | 7 | 63 | .5 | 2 | 2 | 4 | .48 | .048 | 7 | 89 | 1.04 | 72 | .01 | 2 | .76 | .02 | .16 | 1 |
| 90R23 110-115 | 7 | 79 | 43 | 95 | .8 | 15 | 7 | 401 | 1.93 | 11 | 5 | ND | 7 | 76 | .4 | 2 | 2 | 3 | .55 | .045 | 6 | 65 | 1.03 | 84 | .01 | 3 | .72 | .02 | .15 | 1 |
| 90R23 115-120 | 10 | 48 | 13 | 88 | .2 | 15 | 7 | 415 | 1.95 | 3 | 5 | ND | 6 | 60 | .2 | 2 | 2 | 4 | .42 | .051 | 8 | 96 | 1.10 | 67 | .01 | 3 | .83 | .02 | .17 | 1 |
| 90R23 120-125 | 11 | 42 | 28 | 105 | .1 | 15 | 7 | 403 | 1.95 | 2 | 5 | ND | 6 | 45 | .2 | 2 | 2 | 4 | .29 | .050 | 9 | 99 | 1.21 | 84 | .01 | 3 | .87 | .02 | .16 | 1 |
| 90R23 125-130 | 7 | 49 | 15 | 79 | .4 | 15 | 8 | 479 | 2.19 | 2 | 5 | ND | 6 | 71 | .2 | 2 | 2 | 3 | .48 | .052 | 7 | 74 | .90 | 80 | .01 | 4 | .66 | .01 | .17 | 1 |
| 90R23 130-135 | 10 | 32 | 15 | 80 | .2 | 14 | 7 | 474 | 2.18 | 2 | 5 | ND | 5 | 69 | .4 | 2 | 2 | 4 | .51 | .049 | 7 | 110 | 1.04 | 70 | .01 | 3 | .76 | .02 | .20 | 1 |
| 90R23 135-140 | 10 | 37 | 11 | 88 | .4 | 14 | 7 | 619 | 2.10 | 2 | 5 | ND | 6 | 111 | .6 | 2 | 2 | 4 | .80 | .049 | 8 | 112 | .94 | 53 | .01 | 2 | .70 | .02 | .23 | 1 |
| 90R23 140-145 | 8 | 57 | 12 | 87 | .8 | 13 | 6 | 436 | 1.82 | 5 | 5 | ND | 6 | 141 | .4 | 2 | 2 | 3 | .91 | .040 | 7 | 82 | .98 | 62 | .01 | 3 | .55 | .01 | .16 | 1 |
| 90R23 145-150 | 10 | 99 | 38 | 88 | 1.0 | 16 | 7 | 398 | 2.11 | 17 | 5 | ND | 6 | 86 | .4 | 2 | 2 | 4 | .63 | .048 | 7 | 96 | .95 | 58 | .01 | 3 | .64 | .01 | .17 | 1 |
| STANDARD C | 20 | 62 | 40 | 134 | 7.2 | 73 | 31 | 1058 | 3.97 | 42 | 19 | 7 | 36 | 55 | 19.2 | 14 | 19 | 59 | .45 | .094 | 37 | 60 | .90 | 183 | .07 | 35 | 1.92 | .06 | .14 | 11 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R24 0-5 | 5 | 33 | 54 | 65 | .5 | 10 | 7 | 466 | 1.38 | 16 | 5 | ND | 10 | 28 | .2 | 2 | 2 | 8 | .18 | .033 | 21 | 57 | .57 | 497 | .01 | 5 | .75 | .01 | .15 | 1 |
| 90R24 5-10 | 6 | 28 | 46 | 66 | .5 | 9 | 6 | 298 | 1.08 | 9 | 5 | ND | 9 | 33 | .6 | 2 | 2 | 8 | .13 | .027 | 18 | 65 | .49 | 741 | .01 | 3 | .68 | .01 | .13 | 1 |
| 90R24 10-15 | 8 | 21 | 32 | 32 | .3 | 8 | 3 | 161 | .78 | 9 | 5 | ND | 8 | 18 | .2 | 2 | 2 | 7 | .12 | .019 | 16 | 94 | .28 | 393 | .01 | 2 | .49 | .01 | .12 | 1 |
| 90R24 15-20 | 6 | 25 | 46 | 73 | .5 | 12 | 6 | 421 | 1.26 | 32 | 5 | ND | 10 | 18 | .2 | 2 | 2 | 9 | .16 | .032 | 22 | 65 | .54 | 325 | .01 | 2 | .77 | .01 | .14 | 1 |
| 90R24 20-25 | 4 | 35 | 44 | 80 | .4 | 11 | 7 | 454 | 1.57 | 38 | 5 | ND | 12 | 15 | .7 | 2 | 2 | 9 | .15 | .040 | 35 | 44 | .52 | 231 | .01 | 3 | .79 | .01 | .17 | 1 |
| 90R24 25-30 | 4 | 34 | 23 | 88 | .5 | 25 | 12 | 887 | 2.21 | 41 | 5 | ND | 10 | 16 | .7 | 2 | 2 | 20 | .19 | .040 | 34 | 67 | 1.01 | 229 | .01 | 2 | 1.27 | .01 | .17 | 1 |
| 90R24 30-35 | 6 | 27 | 39 | 72 | .6 | 7 | 4 | 359 | 1.19 | 22 | 5 | ND | 14 | 15 | .4 | 2 | 2 | 8 | .12 | .020 | 34 | 62 | .51 | 210 | .01 | 3 | .69 | .01 | .18 | 1 |
| 90R24 35-40 | 9 | 23 | 54 | 46 | .9 | 6 | 2 | 205 | 1.04 | 13 | 5 | ND | 13 | 11 | .2 | 2 | 2 | 8 | .08 | .018 | 29 | 105 | .43 | 251 | .01 | 2 | .57 | .01 | .19 | 1 |
| 90R24 40-45 | 9 | 7 | 18 | 15 | .1 | 5 | 1 | 88 | .50 | 12 | 5 | ND | 20 | 5 | .2 | 2 | 2 | 6 | .04 | .007 | 24 | 99 | .24 | 169 | .01 | 2 | .42 | .01 | .20 | 1 |
| 90R24 45-50 | 13 | 4 | 27 | 15 | .3 | 5 | 2 | 76 | .36 | 5 | 5 | ND | 20 | 6 | .2 | 2 | 2 | 7 | .07 | .002 | 28 | 125 | .22 | 148 | .01 | 2 | .39 | .01 | .21 | 2 |
| 90R24 50-55 | 8 | 5 | 17 | 42 | .3 | 4 | 1 | 101 | .68 | 19 | 5 | ND | 20 | 7 | .2 | 2 | 2 | 3 | .09 | .005 | 29 | 80 | .79 | 176 | .01 | 4 | .86 | .01 | .19 | 1 |
| 90R24 55-60 | 4 | 11 | 46 | 72 | .5 | 11 | 5 | 173 | 1.05 | 123 | 5 | ND | 14 | 39 | .6 | 2 | 2 | 5 | .44 | .022 | 34 | 49 | 1.32 | 152 | .01 | 4 | 1.13 | .01 | .17 | 1 |
| 90R24 60-65 | 13 | 7 | 20 | 42 | .1 | 8 | 4 | 113 | .86 | 16 | 5 | ND | 16 | 17 | .2 | 3 | 2 | 5 | .22 | .021 | 38 | 146 | .78 | 180 | .01 | 2 | .88 | .02 | .23 | 1 |
| 90R24 65-70 | 6 | 15 | 27 | 63 | .4 | 14 | 8 | 170 | 1.86 | 47 | 5 | ND | 13 | 22 | .4 | 4 | 2 | 12 | .17 | .039 | 23 | 75 | 1.69 | 173 | .01 | 5 | 1.55 | .02 | .24 | 1 |
| 90R24 70-75 | 5 | 16 | 20 | 64 | .2 | 13 | 8 | 152 | 1.66 | 45 | 5 | ND | 11 | 22 | .5 | 4 | 2 | 10 | .18 | .037 | 20 | 77 | 1.74 | 140 | .01 | 3 | 1.52 | .02 | .20 | 1 |
| 90R24 75-80 | 5 | 7 | 15 | 52 | .1 | 6 | 4 | 120 | .84 | 17 | 5 | ND | 14 | 21 | .4 | 2 | 2 | 4 | .22 | .022 | 27 | 52 | 1.01 | 146 | .01 | 2 | .88 | .01 | .19 | 1 |
| 90R24 80-85 | 6 | 2 | 11 | 47 | .1 | 3 | 1 | 133 | .53 | 3 | 5 | ND | 19 | 40 | .2 | 2 | 2 | 1 | .61 | .003 | 38 | 61 | .81 | 133 | .01 | 4 | .69 | .01 | .17 | 1 |
| 90R24 85-90 | 6 | 3 | 9 | 56 | .2 | 1 | 1 | 91 | .58 | 5 | 5 | ND | 21 | 22 | .2 | 2 | 2 | 1 | .33 | .003 | 40 | 65 | .88 | 144 | .01 | 4 | .73 | .01 | .18 | 1 |
| 90R24 90-95 | 7 | 3 | 19 | 42 | .3 | 3 | 2 | 63 | .52 | 26 | 6 | ND | 19 | 15 | .7 | 2 | 2 | 3 | .14 | .003 | 34 | 78 | .60 | 1179 | .01 | 2 | .69 | .02 | .21 | 2 |
| 90R24 95-100 | 13 | 12 | 34 | 13 | .3 | 3 | 2 | 153 | .39 | 20 | 5 | ND | 16 | 30 | .2 | 2 | 2 | 4 | .46 | .003 | 22 | 137 | .18 | 960 | .01 | 2 | .40 | .01 | .23 | 1 |
| 90R24 100-105 | 16 | 4 | 20 | 11 | .1 | 4 | 2 | 157 | .36 | 14 | 5 | ND | 16 | 27 | .2 | 2 | 2 | 4 | .45 | .002 | 22 | 174 | .13 | 1101 | .01 | 3 | .36 | .01 | .23 | 2 |
| 90R24 105-110 | 6 | 10 | 10 | 52 | .6 | 5 | 3 | 323 | .68 | 40 | 5 | ND | 13 | 53 | .4 | 2 | 2 | 5 | 1.15 | .014 | 16 | 66 | .24 | 328 | .01 | 2 | .37 | .01 | .21 | 1 |
| 90R24 110-115 | 11 | 6 | 63 | 19 | .3 | 3 | 2 | 91 | .41 | 23 | 5 | ND | 18 | 16 | .2 | 2 | 2 | 5 | .26 | .002 | 21 | 124 | .19 | 809 | .01 | 4 | .39 | .01 | .22 | 1 |
| 90R24 115-120 | 5 | 3 | 14 | 27 | .2 | 2 | 2 | 309 | .41 | 11 | 5 | ND | 15 | 27 | .2 | 2 | 2 | 2 | .56 | .003 | 28 | 46 | .27 | 1471 | .01 | 2 | .48 | .01 | .19 | 1 |
| 90R24 120-125 | 17 | 6 | 20 | 53 | .2 | 4 | 1 | 140 | .68 | 2 | 5 | ND | 19 | 63 | .2 | 2 | 2 | 1 | .69 | .003 | 41 | 173 | .75 | 273 | .01 | 2 | .61 | .01 | .22 | 1 |
| 90R24 125-130 | 5 | 9 | 33 | 53 | .2 | 1 | 1 | 370 | .56 | 6 | 5 | ND | 19 | 28 | .2 | 2 | 2 | 1 | .27 | .002 | 40 | 49 | .62 | 389 | .01 | 2 | .61 | .01 | .18 | 1 |
| 90R24 130-135 | 7 | 8 | 20 | 52 | .1 | 2 | 1 | 124 | .52 | 2 | 5 | ND | 18 | 45 | .2 | 2 | 2 | 1 | .40 | .002 | 41 | 78 | .78 | 201 | .01 | 3 | .58 | .01 | .17 | 1 |
| 90R24 135-140 | 8 | 9 | 16 | 39 | .1 | 2 | 1 | 152 | .46 | 3 | 5 | ND | 17 | 68 | .2 | 2 | 2 | 1 | .54 | .002 | 36 | 77 | .68 | 503 | .01 | 2 | .48 | .01 | .17 | 1 |
| 90R24 140-145 | 7 | 4 | 29 | 52 | .2 | 1 | 1 | 134 | .49 | 3 | 5 | ND | 19 | 43 | .2 | 2 | 2 | 1 | .42 | .002 | 37 | 65 | .62 | 393 | .01 | 2 | .52 | .01 | .18 | 1 |
| 90R24 145-150 | 12 | 5 | 16 | 31 | .1 | 3 | 1 | 217 | .43 | 4 | 5 | ND | 19 | 69 | .3 | 2 | 2 | 1 | .65 | .002 | 38 | 128 | .50 | 284 | .01 | 2 | .41 | .02 | .22 | 1 |
| 90R24 150-155 | 6 | 2 | 13 | 29 | .1 | 1 | 1 | 88 | .38 | 3 | 5 | ND | 18 | 58 | .2 | 2 | 2 | 1 | .48 | .002 | 40 | 69 | .65 | 272 | .01 | 3 | .49 | .01 | .17 | 1 |
| 90R24 155-160 | 6 | 5 | 10 | 29 | .1 | 1 | 1 | 89 | .39 | 2 | 5 | ND | 19 | 43 | .2 | 2 | 2 | 1 | .38 | .002 | 41 | 59 | .50 | 193 | .01 | 2 | .41 | .01 | .17 | 1 |
| 90R24 160-165 | 9 | 11 | 27 | 36 | .1 | 2 | 2 | 302 | .34 | 5 | 5 | ND | 19 | 14 | .2 | 2 | 2 | 2 | .04 | .003 | 40 | 97 | .08 | 608 | .01 | 2 | .26 | .03 | .16 | 2 |
| 90R24 165-170 | 8 | 18 | 35 | 18 | .2 | 3 | 2 | 43 | .32 | 6 | 5 | ND | 18 | 24 | .2 | 2 | 2 | 4 | .02 | .003 | 31 | 87 | .04 | 1768 | .01 | 2 | .21 | .04 | .15 | 3 |
| 90R24 170-175 | 9 | 5 | 135 | 12 | 1.2 | 2 | 2 | 27 | .38 | 4 | 5 | ND | 13 | 55 | .4 | 2 | 2 | 4 | .02 | .002 | 25 | 93 | .03 | 1779 | .01 | 2 | .20 | .04 | .15 | 4 |
| 90R24 175-180 | 5 | 5 | 37 | 7 | .3 | 2 | 2 | 26 | .25 | 3 | 5 | ND | 14 | 41 | .2 | 2 | 2 | 4 | .02 | .002 | 20 | 58 | .04 | 1488 | .01 | 3 | .20 | .04 | .13 | 3 |
| STANDARD C | 20 | 62 | 43 | 133 | 7.3 | 72 | 32 | 1047 | 4.00 | 44 | 16 | 7 | 36 | 52 | 18.4 | 15 | 18 | 58 | .47 | .096 | 37 | 60 | .87 | 179 | .07 | 37 | 1.90 | .06 | .13 | 12 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R24 180-185 | 6 | 4 | 36 | 12 | .1 | 4 | 1 | 27 | .27 | 3 | 5 | ND | 15 | 23 | .2 | 3 | 2 | 3 | .03 | .008 | 37 | 74 | .05 | 895 | .01 | 2 | .24 | .04 | .16 | 4 |
| 90R24 185-190 | 6 | 3 | 64 | 11 | .2 | 4 | 1 | 28 | .28 | 2 | 5 | ND | 15 | 46 | .2 | 2 | 2 | 2 | .04 | .007 | 32 | 72 | .05 | 1327 | .01 | 2 | .20 | .03 | .13 | 4 |
| 90R24 190-195 | 6 | 3 | 24 | 7 | .1 | 4 | 1 | 103 | .32 | 7 | 5 | ND | 15 | 17 | .2 | 3 | 2 | 2 | .21 | .005 | 32 | 74 | .09 | 462 | .01 | 2 | .24 | .01 | .16 | 3 |
| 90R24 195-200 | 10 | 7 | 18 | 16 | .1 | 4 | 2 | 189 | .57 | 26 | 5 | ND | 12 | 68 | .4 | 3 | 2 | 2 | .89 | .012 | 23 | 125 | .39 | 307 | .01 | 2 | .40 | .01 | .21 | 2 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R25 0-5 | 6 | 9 | 35 | 31 | .2 | 5 | 2 | 135 | .61 | 25 | 5 | ND | 14 | 10 | .6 | 2 | 2 | 6 | .07 | .015 | 40 | 67 | .10 | 533 | .01 | 5 | .39 | .01 | .16 | 1 |
| 90R25 5-10 | 6 | 7 | 30 | 22 | .1 | 5 | 2 | 118 | .55 | 33 | 5 | ND | 17 | 6 | .2 | 2 | 2 | 4 | .02 | .014 | 49 | 70 | .06 | 216 | .01 | 2 | .33 | .01 | .17 | 1 |
| 90R25 10-15 | 9 | 7 | 41 | 21 | .1 | 6 | 3 | 203 | .56 | 28 | 5 | ND | 16 | 6 | .2 | 2 | 2 | 4 | .02 | .013 | 45 | 103 | .07 | 282 | .01 | 2 | .35 | .02 | .19 | 1 |
| 90R25 15-20 | 5 | 9 | 50 | 20 | .1 | 5 | 4 | 318 | .62 | 40 | 5 | ND | 15 | 7 | .2 | 2 | 2 | 4 | .04 | .016 | 46 | 51 | .06 | 309 | .01 | 3 | .35 | .01 | .15 | 1 |
| 90R25 20-25 | 7 | 8 | 43 | 18 | .1 | 3 | 3 | 245 | .74 | 47 | 6 | ND | 20 | 6 | .7 | 2 | 3 | 7 | .02 | .021 | 52 | 70 | .06 | 240 | .01 | 2 | .43 | .01 | .18 | 1 |
| 90R25 25-30 | 10 | 8 | 34 | 17 | .1 | 4 | 4 | 307 | .67 | 39 | 5 | ND | 17 | 6 | .5 | 2 | 2 | 6 | .02 | .016 | 45 | 114 | .06 | 291 | .01 | 3 | .43 | .02 | .21 | 1 |
| 90R25 30-35 | 11 | 7 | 23 | 15 | .1 | 4 | 3 | 213 | .52 | 19 | 5 | ND | 16 | 9 | .2 | 2 | 2 | 4 | .02 | .014 | 52 | 124 | .09 | 295 | .01 | 4 | .38 | .02 | .23 | 1 |
| 90R25 35-40 | 7 | 6 | 22 | 17 | .1 | 3 | 2 | 151 | .54 | 17 | 5 | ND | 15 | 14 | .2 | 2 | 2 | 3 | .03 | .016 | 59 | 80 | .11 | 468 | .01 | 2 | .40 | .02 | .21 | 1 |
| 90R25 40-45 | 7 | 8 | 27 | 19 | .1 | 3 | 2 | 128 | .66 | 28 | 5 | ND | 15 | 11 | .2 | 2 | 2 | 4 | .02 | .017 | 54 | 83 | .09 | 280 | .01 | 2 | .39 | .02 | .21 | 1 |
| 90R25 45-50 | 12 | 8 | 27 | 20 | .2 | 6 | 3 | 449 | .46 | 11 | 5 | ND | 18 | 8 | .5 | 2 | 2 | 5 | .03 | .011 | 50 | 123 | .10 | 357 | .01 | 3 | .42 | .02 | .23 | 1 |
| 90R25 50-55 | 8 | 4 | 22 | 8 | .1 | 4 | 1 | 278 | .36 | 16 | 5 | ND | 22 | 7 | .2 | 2 | 2 | 5 | .01 | .010 | 64 | 94 | .06 | 204 | .01 | 2 | .33 | .01 | .20 | 1 |
| 90R25 55-60 | 7 | 4 | 36 | 6 | .1 | 4 | 1 | 205 | .33 | 14 | 5 | ND | 23 | 7 | .2 | 2 | 2 | 4 | .02 | .009 | 61 | 73 | .05 | 192 | .01 | 2 | .29 | .01 | .18 | 1 |
| 90R25 60-65 | 7 | 4 | 34 | 7 | .1 | 4 | 1 | 64 | .25 | 5 | 5 | ND | 23 | 4 | .2 | 2 | 2 | 4 | .01 | .006 | 50 | 80 | .05 | 157 | .01 | 2 | .26 | .01 | .19 | 1 |
| 90R25 65-70 | 7 | 4 | 32 | 16 | .2 | 3 | 1 | 82 | .35 | 9 | 5 | ND | 22 | 6 | .2 | 2 | 2 | 4 | .02 | .007 | 59 | 80 | .07 | 198 | .01 | 3 | .34 | .02 | .19 | 1 |
| 90R25 70-75 | 9 | 5 | 32 | 35 | .2 | 4 | 1 | 154 | .65 | 18 | 5 | ND | 17 | 9 | .4 | 2 | 2 | 4 | .04 | .010 | 52 | 109 | .11 | 293 | .01 | 2 | .45 | .02 | .20 | 1 |
| 90R25 75-80 | 6 | 5 | 29 | 28 | .2 | 4 | 1 | 124 | .47 | 10 | 5 | ND | 18 | 7 | .2 | 3 | 2 | 4 | .03 | .008 | 52 | 70 | .10 | 257 | .01 | 2 | .36 | .02 | .18 | 1 |
| 90R25 80-85 | 9 | 4 | 28 | 27 | .2 | 3 | 2 | 106 | .51 | 10 | 5 | ND | 17 | 8 | .4 | 2 | 2 | 4 | .03 | .009 | 44 | 106 | .09 | 209 | .01 | 2 | .40 | .02 | .19 | 1 |
| 90R25 85-90 | 8 | 9 | 25 | 15 | .1 | 3 | 1 | 91 | .44 | 14 | 5 | ND | 17 | 6 | .2 | 2 | 2 | 3 | .02 | .009 | 51 | 86 | .05 | 211 | .01 | 2 | .34 | .02 | .18 | 1 |
| 90R25 90-95 | 7 | 7 | 21 | 14 | .2 | 2 | 1 | 87 | .46 | 21 | 6 | ND | 18 | 6 | .2 | 2 | 2 | 3 | .02 | .011 | 60 | 72 | .04 | 183 | .01 | 2 | .32 | .02 | .17 | 1 |
| 90R25 95-100 | 6 | 13 | 81 | 20 | .6 | 2 | 2 | 179 | .43 | 21 | 5 | ND | 20 | 13 | .2 | 2 | 2 | 5 | .02 | .010 | 44 | 68 | .05 | 2385 | .01 | 2 | .31 | .02 | .16 | 1 |
| 90R25 100-105 | 5 | 14 | 78 | 18 | .5 | 3 | 1 | 120 | .34 | 17 | 5 | ND | 21 | 8 | .2 | 2 | 2 | 5 | .01 | .008 | 45 | 54 | .04 | 1236 | .01 | 3 | .26 | .02 | .15 | 2 |
| 90R25 105-110 | 9 | 10 | 62 | 17 | .3 | 2 | 1 | 144 | .36 | 17 | 5 | ND | 22 | 6 | .2 | 2 | 2 | 5 | .02 | .007 | 49 | 100 | .05 | 353 | .01 | 3 | .31 | .03 | .18 | 1 |
| 90R25 110-115 | 6 | 4 | 34 | 6 | .2 | 3 | 1 | 88 | .33 | 18 | 5 | ND | 23 | 5 | .3 | 2 | 2 | 5 | .01 | .008 | 49 | 66 | .04 | 331 | .01 | 2 | .26 | .02 | .16 | 1 |
| 90R25 115-120 | 5 | 3 | 34 | 7 | .2 | 2 | 1 | 88 | .30 | 15 | 5 | ND | 22 | 5 | .4 | 2 | 2 | 5 | .02 | .007 | 46 | 57 | .03 | 260 | .01 | 2 | .25 | .02 | .16 | 1 |
| 90R25 120-125 | 7 | 4 | 58 | 13 | .2 | 3 | 1 | 166 | .32 | 17 | 5 | ND | 21 | 6 | .2 | 2 | 2 | 5 | .02 | .007 | 47 | 66 | .04 | 339 | .01 | 2 | .28 | .02 | .17 | 1 |
| 90R25 125-130 | 4 | 8 | 64 | 15 | .3 | 2 | 1 | 81 | .30 | 17 | 5 | ND | 22 | 5 | .2 | 2 | 2 | 4 | .02 | .007 | 41 | 46 | .04 | 391 | .01 | 2 | .25 | .02 | .16 | 1 |
| 90R25 130-135 | 7 | 10 | 132 | 18 | .2 | 2 | 2 | 184 | .47 | 22 | 5 | ND | 20 | 10 | .2 | 2 | 2 | 6 | .03 | .009 | 50 | 74 | .05 | 1526 | .01 | 2 | .29 | .02 | .16 | 1 |
| 90R25 135-140 | 6 | 9 | 111 | 18 | .3 | 4 | 2 | 123 | .45 | 25 | 5 | ND | 21 | 7 | .2 | 2 | 2 | 4 | .02 | .008 | 42 | 75 | .04 | 1069 | .01 | 2 | .27 | .02 | .16 | 2 |
| 90R25 140-145 | 5 | 9 | 85 | 27 | .3 | 3 | 1 | 129 | .44 | 24 | 5 | ND | 22 | 9 | .2 | 2 | 2 | 2 | .04 | .007 | 56 | 49 | .03 | 296 | .01 | 2 | .27 | .02 | .15 | 2 |
| 90R25 145-150 | 6 | 7 | 32 | 17 | .3 | 3 | 2 | 176 | .35 | 12 | 5 | ND | 22 | 17 | .2 | 2 | 2 | 2 | .02 | .006 | 33 | 55 | .03 | 1559 | .01 | 2 | .24 | .02 | .17 | 2 |
| 90R25 150-155 | 5 | 5 | 41 | 6 | .2 | 3 | 1 | 102 | .27 | 8 | 5 | ND | 21 | 7 | .2 | 2 | 2 | 4 | .02 | .006 | 47 | 53 | .03 | 753 | .01 | 2 | .24 | .02 | .16 | 2 |
| 90R25 155-160 | 9 | 12 | 48 | 17 | .2 | 11 | 2 | 172 | .53 | 19 | 5 | ND | 23 | 9 | .9 | 2 | 2 | 4 | .03 | .009 | 58 | 81 | .06 | 812 | .01 | 2 | .32 | .02 | .18 | 2 |
| STANDARD C | 20 | 62 | 38 | 135 | 7.4 | 72 | 32 | 1051 | 3.99 | 43 | 18 | 7 | 36 | 53 | 18.4 | 15 | 21 | 59 | .51 | .097 | 37 | 59 | .87 | 179 | .08 | 37 | 1.89 | .06 | .13 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R26 0-5 | 3 | 32 | 31 | 77 | .4 | 28 | 14 | 454 | 3.27 | 25 | 5 | ND | 3 | 12 | .2 | 3 | 5 | 47 | .25 | .061 | 12 | 55 | 2.01 | 160 | .07 | 3 | 1.91 | .02 | .09 | 1 |
| 90R26 5-10 | 4 | 34 | 13 | 83 | .4 | 31 | 13 | 398 | 3.28 | 22 | 5 | ND | 2 | 12 | .2 | 3 | 2 | 46 | .27 | .063 | 7 | 74 | 2.29 | 179 | .09 | 2 | 2.09 | .03 | .12 | 1 |
| 90R26 10-15 | 4 | 35 | 13 | 77 | .4 | 30 | 11 | 348 | 3.23 | 22 | 5 | ND | 2 | 15 | .2 | 2 | 2 | 40 | .31 | .064 | 6 | 62 | 1.84 | 166 | .09 | 2 | 1.78 | .04 | .11 | 1 |
| 90R26 15-20 | 3 | 39 | 44 | 79 | .4 | 33 | 14 | 363 | 3.19 | 18 | 5 | ND | 2 | 17 | .2 | 2 | 2 | 38 | .36 | .067 | 6 | 53 | 1.80 | 188 | .08 | 2 | 1.78 | .02 | .11 | 1 |
| 90R26 20-25 | 6 | 42 | 15 | 79 | .4 | 32 | 13 | 329 | 3.18 | 19 | 5 | ND | 1 | 32 | .2 | 2 | 2 | 41 | .69 | .066 | 3 | 87 | 1.71 | 176 | .10 | 2 | 1.74 | .03 | .10 | 1 |
| 90R26 25-30 | 3 | 34 | 16 | 86 | .6 | 30 | 13 | 371 | 3.17 | 17 | 5 | ND | 1 | 35 | .2 | 2 | 2 | 47 | .64 | .060 | 3 | 62 | 1.77 | 129 | .09 | 3 | 1.78 | .05 | .07 | 1 |
| 90R26 30-35 | 3 | 35 | 31 | 84 | .9 | 31 | 15 | 498 | 3.51 | 43 | 5 | ND | 1 | 32 | .2 | 3 | 2 | 60 | .49 | .058 | 7 | 74 | 1.99 | 118 | .08 | 2 | 2.01 | .05 | .06 | 1 |
| 90R26 35-40 | 3 | 33 | 15 | 69 | .7 | 30 | 15 | 466 | 3.41 | 27 | 5 | ND | 1 | 85 | .2 | 2 | 2 | 55 | 1.04 | .053 | 6 | 75 | 2.09 | 118 | .08 | 2 | 2.02 | .03 | .07 | 1 |
| 90R26 40-45 | 4 | 33 | 12 | 75 | .4 | 32 | 15 | 364 | 3.07 | 18 | 5 | ND | 1 | 31 | .2 | 2 | 2 | 36 | .62 | .061 | 3 | 68 | 1.74 | 155 | .09 | 3 | 1.76 | .04 | .10 | 1 |
| 90R26 45-50 | 4 | 35 | 14 | 83 | .4 | 32 | 13 | 338 | 3.15 | 12 | 5 | ND | 1 | 37 | .2 | 2 | 2 | 37 | .79 | .064 | 3 | 74 | 1.54 | 149 | .10 | 2 | 1.66 | .05 | .11 | 1 |
| 90R26 50-55 | 4 | 34 | 14 | 79 | .4 | 32 | 12 | 351 | 3.25 | 13 | 5 | ND | 1 | 42 | .2 | 2 | 2 | 45 | .85 | .061 | 5 | 67 | 1.62 | 121 | .09 | 2 | 1.71 | .05 | .10 | 1 |
| 90R26 55-60 | 4 | 28 | 10 | 71 | .3 | 28 | 10 | 320 | 2.80 | 8 | 5 | ND | 2 | 26 | .2 | 2 | 2 | 34 | .51 | .057 | 9 | 58 | 1.81 | 112 | .06 | 2 | 1.61 | .01 | .10 | 1 |
| 90R26 60-65 | 5 | 33 | 27 | 137 | .6 | 33 | 12 | 382 | 3.40 | 13 | 5 | ND | 4 | 42 | .2 | 2 | 3 | 37 | .63 | .064 | 10 | 71 | 2.15 | 157 | .07 | 2 | 1.93 | .01 | .15 | 1 |
| 90R26 65-70 | 4 | 37 | 9 | 111 | .6 | 32 | 11 | 312 | 3.45 | 39 | 5 | ND | 4 | 45 | .2 | 2 | 2 | 55 | .56 | .069 | 15 | 54 | 1.71 | 139 | .06 | 4 | 1.67 | .03 | .17 | 1 |
| 90R26 70-75 | 6 | 34 | 12 | 76 | .8 | 31 | 11 | 308 | 3.44 | 78 | 5 | ND | 4 | 50 | .4 | 2 | 2 | 63 | .56 | .067 | 14 | 87 | 1.65 | 256 | .07 | 2 | 1.66 | .04 | .41 | 1 |
| 90R26 75-80 | 5 | 33 | 18 | 63 | .2 | 31 | 11 | 308 | 3.36 | 13 | 5 | ND | 4 | 71 | .2 | 2 | 2 | 57 | .64 | .068 | 14 | 68 | 1.59 | 317 | .09 | 2 | 1.56 | .02 | .52 | 1 |
| 90R26 80-85 | 4 | 33 | 21 | 87 | .4 | 27 | 10 | 334 | 3.60 | 8 | 5 | ND | 4 | 119 | .2 | 2 | 2 | 55 | 1.24 | .069 | 15 | 66 | 2.11 | 259 | .07 | 2 | 1.88 | .02 | .30 | 1 |
| 90R26 85-90 | 4 | 29 | 15 | 97 | .3 | 17 | 10 | 238 | 3.69 | 12 | 5 | ND | 5 | 57 | .2 | 2 | 2 | 50 | .68 | .074 | 18 | 62 | 2.21 | 250 | .13 | 2 | 2.01 | .05 | .41 | 1 |
| 90R26 90-95 | 6 | 47 | 11 | 55 | .4 | 28 | 11 | 164 | 2.82 | 8 | 5 | ND | 4 | 31 | .2 | 2 | 3 | 43 | .41 | .073 | 16 | 71 | 1.36 | 253 | .12 | 2 | 1.29 | .03 | .43 | 1 |
| 90R26 95-100 | 7 | 28 | 7 | 62 | .3 | 20 | 9 | 227 | 2.71 | 8 | 5 | ND | 5 | 35 | .2 | 2 | 2 | 38 | .39 | .080 | 18 | 95 | 1.30 | 446 | .14 | 2 | 1.45 | .02 | .70 | 1 |
| 90R26 100-105 | 5 | 20 | 8 | 83 | .4 | 13 | 9 | 254 | 3.10 | 8 | 5 | ND | 5 | 52 | .4 | 2 | 2 | 33 | .49 | .082 | 19 | 64 | 1.58 | 539 | .15 | 2 | 1.64 | .02 | .79 | 1 |
| 90R26 105-110 | 6 | 23 | 8 | 88 | .5 | 20 | 10 | 242 | 3.38 | 10 | 5 | ND | 5 | 28 | .2 | 3 | 3 | 41 | .34 | .078 | 18 | 90 | 1.77 | 365 | .15 | 3 | 1.82 | .04 | .76 | 1 |
| 90R26 110-115 | 6 | 43 | 37 | 71 | .6 | 32 | 11 | 193 | 2.70 | 11 | 5 | ND | 5 | 34 | .2 | 2 | 2 | 32 | .42 | .072 | 19 | 72 | 1.35 | 309 | .11 | 2 | 1.41 | .01 | .47 | 1 |
| 90R26 115-120 | 4 | 20 | 20 | 81 | .4 | 21 | 14 | 229 | 3.29 | 17 | 5 | ND | 4 | 46 | .2 | 2 | 2 | 42 | .49 | .076 | 18 | 65 | 1.78 | 274 | .12 | 2 | 1.76 | .03 | .57 | 1 |
| 90R26 120-125 | 4 | 18 | 9 | 76 | .3 | 11 | 10 | 203 | 3.06 | 9 | 5 | ND | 5 | 44 | .2 | 2 | 2 | 42 | .50 | .078 | 18 | 59 | 1.63 | 281 | .14 | 2 | 1.59 | .04 | .62 | 1 |
| 90R26 125-130 | 5 | 19 | 15 | 86 | .4 | 17 | 11 | 239 | 3.27 | 14 | 5 | ND | 4 | 69 | .2 | 2 | 2 | 45 | .75 | .074 | 17 | 67 | 1.72 | 316 | .13 | 2 | 1.71 | .04 | .71 | 1 |
| 90R26 130-135 | 6 | 28 | 28 | 82 | .4 | 24 | 10 | 242 | 3.41 | 12 | 5 | ND | 5 | 49 | .2 | 2 | 2 | 50 | .53 | .075 | 17 | 83 | 1.77 | 306 | .12 | 2 | 1.78 | .03 | .70 | 1 |
| 90R26 135-140 | 4 | 35 | 16 | 77 | .5 | 26 | 12 | 251 | 3.12 | 11 | 5 | ND | 4 | 67 | .2 | 2 | 2 | 45 | .76 | .070 | 14 | 57 | 1.57 | 274 | .11 | 2 | 1.55 | .02 | .54 | 1 |
| 90R26 140-145 | 5 | 36 | 8 | 77 | .5 | 32 | 16 | 229 | 3.28 | 23 | 5 | ND | 4 | 40 | .2 | 2 | 2 | 47 | .49 | .071 | 13 | 64 | 1.56 | 200 | .10 | 2 | 1.56 | .02 | .35 | 1 |
| 90R26 145-150 | 7 | 42 | 13 | 75 | .7 | 32 | 12 | 284 | 3.21 | 36 | 5 | ND | 4 | 55 | .2 | 2 | 2 | 46 | .87 | .068 | 11 | 81 | 1.58 | 187 | .10 | 4 | 1.58 | .03 | .25 | 1 |
| 90R26 150-155 | 7 | 36 | 26 | 85 | .6 | 25 | 10 | 304 | 3.27 | 28 | 5 | ND | 4 | 67 | .2 | 2 | 2 | 40 | .94 | .072 | 14 | 92 | 1.78 | 217 | .11 | 2 | 1.70 | .02 | .35 | 1 |
| 90R26 155-160 | 6 | 20 | 14 | 73 | .4 | 15 | 8 | 243 | 3.00 | 12 | 5 | ND | 4 | 37 | .2 | 2 | 2 | 29 | .59 | .074 | 11 | 82 | 1.81 | 168 | .10 | 2 | 1.77 | .03 | .20 | 1 |
| 90R26 160-165 | 3 | 16 | 9 | 72 | .5 | 12 | 7 | 198 | 2.72 | 10 | 5 | ND | 4 | 31 | .2 | 2 | 2 | 20 | .55 | .077 | 14 | 52 | 1.58 | 185 | .09 | 4 | 1.62 | .01 | .25 | 1 |
| 90R26 165-170 | 6 | 14 | 2 | 69 | .3 | 12 | 7 | 224 | 2.36 | 10 | 5 | ND | 4 | 64 | .2 | 2 | 2 | 23 | 1.17 | .068 | 18 | 79 | 1.05 | 187 | .03 | 4 | 1.25 | .02 | .23 | 1 |
| 90R26 170-175 | 3 | 16 | 15 | 72 | .6 | 10 | 7 | 279 | 2.60 | 9 | 5 | ND | 5 | 91 | .2 | 2 | 2 | 30 | 1.50 | .082 | 19 | 50 | .98 | 171 | .07 | 4 | 1.20 | .04 | .21 | 1 |
| 90R26 175-180 | 3 | 15 | 13 | 57 | .4 | 10 | 5 | 272 | 1.76 | 6 | 5 | ND | 4 | 100 | .6 | 2 | 2 | 21 | 1.93 | .077 | 18 | 46 | .81 | 184 | .08 | 2 | .93 | .03 | .21 | 1 |
| STANDARD C | 19 | 60 | 41 | 132 | 7.3 | 72 | 31 | 1046 | 3.98 | 42 | 18 | 7 | 36 | 51 | 19.0 | 14 | 20 | 56 | .47 | .095 | 36 | 60 | .86 | 178 | .07 | 35 | 1.89 | .06 | .13 | 12 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R26 180-185 | 4 | 23 | 15 | 72 | .3 | 17 | 8 | 330 | 2.19 | 15 | 5 | ND | 4 | 106 | .8 | 2 | 2 | 25 | 1.82 | .075 | 16 | 56 | 1.05 | 180 | .05 | 3 | 1.16 | .01 | .20 | 1 |
| 90R26 185-190 | 4 | 17 | 15 | 82 | .2 | 14 | 8 | 363 | 2.80 | 6 | 5 | ND | 4 | 150 | 1.1 | 2 | 2 | 27 | 2.83 | .078 | 18 | 60 | 1.25 | 191 | .01 | 2 | 1.52 | .01 | .21 | 1 |
| 90R26 190-195 | 5 | 20 | 13 | 85 | .2 | 19 | 10 | 344 | 3.01 | 13 | 5 | ND | 3 | 149 | .5 | 2 | 2 | 30 | 2.74 | .078 | 15 | 66 | 1.30 | 138 | .01 | 2 | 1.47 | .01 | .15 | 1 |
| 90R26 195-200 | 3 | 25 | 4 | 88 | .9 | 20 | 13 | 536 | 3.85 | 15 | 5 | ND | 1 | 198 | .2 | 2 | 2 | 55 | 3.71 | .064 | 13 | 67 | 1.82 | 85 | .01 | 2 | 1.96 | .01 | .12 | 1 |
| 90R26 200-205 | 3 | 19 | 15 | 81 | .1 | 18 | 11 | 437 | 3.30 | 5 | 5 | ND | 3 | 147 | .2 | 2 | 2 | 38 | 2.93 | .074 | 15 | 54 | 1.56 | 112 | .02 | 2 | 1.68 | .01 | .15 | 1 |
| 90R26 205-210 | 3 | 18 | 6 | 66 | .1 | 11 | 9 | 307 | 1.99 | 5 | 5 | ND | 2 | 78 | .2 | 2 | 2 | 22 | 1.38 | .073 | 10 | 56 | 1.00 | 153 | .08 | 2 | 1.09 | .01 | .14 | 1 |
| 90R26 210-215 | 4 | 30 | 2 | 67 | .3 | 22 | 14 | 406 | 2.66 | 4 | 5 | ND | 1 | 68 | .2 | 2 | 2 | 31 | 1.53 | .060 | 4 | 78 | 1.48 | 209 | .10 | 4 | 1.58 | .01 | .08 | 1 |
| 90R26 215-220 | 3 | 32 | 12 | 62 | .5 | 18 | 12 | 472 | 2.77 | 2 | 5 | ND | 1 | 131 | .3 | 2 | 2 | 39 | 2.57 | .057 | 6 | 62 | 1.49 | 106 | .06 | 2 | 1.47 | .01 | .08 | 1 |
| 90R26 220-225 | 4 | 16 | 5 | 70 | .2 | 13 | 9 | 275 | 2.06 | 2 | 5 | ND | 1 | 45 | .6 | 2 | 2 | 20 | .85 | .069 | 6 | 64 | 1.02 | 156 | .10 | 3 | 1.12 | .01 | .13 | 1 |
| 90R26 225-230 | 2 | 16 | 60 | 80 | .2 | 9 | 8 | 210 | 2.44 | 2 | 5 | ND | 2 | 36 | .2 | 2 | 2 | 18 | .57 | .080 | 9 | 47 | 1.42 | 144 | .09 | 3 | 1.39 | .01 | .12 | 1 |
| 90R26 230-235 | 2 | 29 | 9 | 74 | .3 | 10 | 7 | 233 | 2.26 | 2 | 5 | ND | 3 | 103 | .5 | 2 | 2 | 19 | 1.18 | .082 | 16 | 44 | 1.49 | 172 | .05 | 4 | 1.31 | .01 | .13 | 1 |
| 90R26 235-240 | 3 | 23 | 6 | 88 | .3 | 13 | 10 | 474 | 3.08 | 3 | 5 | ND | 2 | 75 | .2 | 2 | 2 | 24 | 1.02 | .086 | 9 | 59 | 1.64 | 141 | .07 | 4 | 1.60 | .02 | .10 | 1 |
| 90R26 240-245 | 3 | 20 | 9 | 81 | .3 | 15 | 11 | 397 | 3.13 | 5 | 5 | ND | 1 | 65 | .2 | 2 | 2 | 25 | 1.09 | .080 | 7 | 57 | 1.83 | 132 | .07 | 4 | 1.71 | .01 | .10 | 1 |
| 90R26 245-250 | 3 | 19 | 13 | 81 | .4 | 14 | 10 | 291 | 3.10 | 3 | 5 | ND | 2 | 56 | .2 | 2 | 2 | 30 | .75 | .074 | 8 | 67 | 1.84 | 148 | .08 | 3 | 1.67 | .02 | .10 | 1 |
| 90R26 250-255 | 3 | 13 | 5 | 81 | .2 | 12 | 9 | 361 | 3.21 | 4 | 5 | ND | 2 | 89 | .2 | 2 | 2 | 32 | .99 | .070 | 13 | 66 | 1.71 | 120 | .04 | 3 | 1.59 | .02 | .08 | 1 |
| 90R26 255-260 | 2 | 14 | 3 | 81 | .2 | 11 | 9 | 316 | 2.87 | 2 | 5 | ND | 2 | 46 | .2 | 2 | 2 | 28 | .68 | .070 | 9 | 48 | 1.64 | 147 | .07 | 4 | 1.53 | .01 | .07 | 1 |
| 90R26 260-265 | 2 | 17 | 2 | 71 | .2 | 12 | 8 | 234 | 2.59 | 2 | 5 | ND | 1 | 42 | .2 | 2 | 2 | 24 | .66 | .070 | 7 | 44 | 1.64 | 164 | .07 | 4 | 1.43 | .01 | .08 | 1 |
| 90R26 265-270 | 3 | 15 | 7 | 73 | .2 | 12 | 9 | 203 | 2.60 | 3 | 5 | ND | 1 | 40 | .2 | 2 | 2 | 22 | .57 | .070 | 7 | 59 | 1.61 | 176 | .08 | 3 | 1.44 | .01 | .10 | 1 |
| 90R26 270-275 | 2 | 13 | 12 | 82 | .3 | 11 | 8 | 384 | 2.82 | 12 | 5 | ND | 2 | 111 | .2 | 2 | 2 | 27 | 1.31 | .071 | 8 | 49 | 1.77 | 109 | .04 | 3 | 1.48 | .01 | .08 | 1 |
| 90R26 275-280 | 2 | 13 | 13 | 75 | .2 | 12 | 8 | 416 | 2.92 | 5 | 5 | ND | 2 | 70 | .2 | 2 | 2 | 27 | .73 | .076 | 11 | 46 | 1.59 | 132 | .05 | 2 | 1.47 | .01 | .09 | 1 |
| 90R26 280-285 | 2 | 13 | 7 | 69 | .3 | 11 | 7 | 423 | 2.06 | 2 | 5 | ND | 1 | 93 | .2 | 2 | 2 | 16 | 1.22 | .070 | 10 | 46 | .99 | 134 | .05 | 2 | 1.09 | .01 | .14 | 1 |
| 90R26 285-290 | 2 | 9 | 7 | 82 | .2 | 9 | 8 | 501 | 3.06 | 4 | 5 | ND | 1 | 55 | .2 | 2 | 2 | 19 | .95 | .076 | 8 | 55 | 1.75 | 126 | .04 | 2 | 1.74 | .01 | .10 | 1 |
| 90R26 290-295 | 2 | 11 | 12 | 76 | .4 | 12 | 9 | 513 | 2.91 | 9 | 5 | ND | 1 | 74 | .2 | 2 | 2 | 19 | 1.41 | .073 | 12 | 41 | 1.56 | 101 | .02 | 2 | 1.57 | .01 | .09 | 1 |
| 90R26 295-300 | 3 | 20 | 3 | 70 | .3 | 11 | 7 | 342 | 2.51 | 7 | 5 | ND | 1 | 127 | .2 | 2 | 2 | 19 | 1.45 | .071 | 11 | 50 | .95 | 337 | .06 | 2 | 1.08 | .01 | .15 | 1 |
| STANDARD C | 19 | 60 | 40 | 133 | 7.4 | 73 | 32 | 1050 | 3.96 | 42 | 19 | 7 | 36 | 53 | 18.4 | 14 | 20 | 60 | .51 | .098 | 39 | 60 | .87 | 179 | .07 | 38 | 1.90 | .06 | .13 | 13 |

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Analytical Labs. Ltd. PROJECT WO#13024 File # 90-6211 Page 1

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R27 0-5 | 3 | 20 | 19 | 107 | .3 | 15 | 9 | 736 | 3.58 | 38 | 5 | ND | 3 | 20 | .4 | 4 | 3 | 41 | .45 | .080 | 21 | 45 | 1.26 | 318 | .01 | 2 | 2.08 | .01 | .14 | 1 |
| 90R27 5-10 | 2 | 21 | 12 | 118 | .3 | 20 | 11 | 1050 | 4.55 | 41 | 5 | ND | 1 | 23 | .2 | 2 | 2 | 61 | .52 | .104 | 15 | 47 | 1.60 | 305 | .01 | 2 | 2.48 | .02 | .11 | 1 |
| 90R27 10-15 | 2 | 23 | 12 | 117 | .4 | 19 | 11 | 1093 | 4.68 | 24 | 5 | ND | 1 | 19 | .2 | 3 | 2 | 58 | .49 | .081 | 13 | 50 | 1.77 | 270 | .05 | 2 | 2.52 | .01 | .11 | 1 |
| 90R27 15-20 | 1 | 25 | 10 | 122 | .3 | 19 | 12 | 1122 | 5.18 | 38 | 5 | ND | 1 | 20 | .2 | 3 | 2 | 68 | .56 | .108 | 17 | 54 | 1.86 | 282 | .05 | 2 | 2.71 | .02 | .11 | 1 |
| 90R27 20-25 | 2 | 28 | 14 | 120 | .3 | 19 | 10 | 1211 | 4.86 | 67 | 5 | ND | 1 | 21 | .8 | 5 | 2 | 59 | .58 | .154 | 21 | 52 | 1.57 | 324 | .01 | 3 | 2.45 | .02 | .13 | 1 |
| 90R27 25-30 | 2 | 30 | 15 | 113 | .3 | 20 | 12 | 908 | 4.60 | 130 | 5 | ND | 1 | 19 | .2 | 2 | 2 | 60 | .51 | .105 | 20 | 43 | 1.32 | 304 | .01 | 2 | 2.26 | .01 | .14 | 1 |
| 90R27 30-35 | 2 | 15 | 9 | 124 | .5 | 12 | 9 | 1137 | 5.02 | 74 | 5 | ND | 2 | 20 | .2 | 2 | 2 | 50 | .55 | .110 | 21 | 46 | 1.70 | 420 | .01 | 3 | 2.71 | .02 | .21 | 1 |
| 90R27 35-40 | 2 | 26 | 21 | 97 | .4 | 15 | 9 | 1320 | 3.65 | 56 | 5 | ND | 2 | 20 | .7 | 2 | 2 | 39 | .47 | .079 | 23 | 32 | 1.30 | 387 | .01 | 2 | 2.07 | .01 | .19 | 1 |
| 90R27 40-45 | 1 | 28 | 22 | 86 | .4 | 13 | 6 | 534 | 2.67 | 54 | 5 | ND | 3 | 16 | .4 | 3 | 2 | 28 | .33 | .057 | 25 | 33 | .88 | 286 | .01 | 2 | 1.50 | .01 | .18 | 1 |
| 90R27 45-50 | 2 | 23 | 21 | 66 | .4 | 17 | 5 | 401 | 1.97 | 247 | 5 | ND | 5 | 14 | .2 | 2 | 2 | 20 | .23 | .046 | 27 | 39 | .80 | 261 | .01 | 2 | 1.23 | .01 | .20 | 1 |
| 90R27 50-55 | 2 | 23 | 12 | 90 | .8 | 17 | 7 | 497 | 2.95 | 1107 | 5 | ND | 3 | 22 | .4 | 5 | 2 | 23 | .29 | .060 | 21 | 36 | .82 | 292 | .01 | 3 | 1.46 | .01 | .23 | 1 |
| 90R27 55-60 | 4 | 25 | 21 | 92 | .8 | 16 | 7 | 595 | 2.65 | 921 | 5 | ND | 4 | 38 | .2 | 6 | 2 | 16 | .53 | .091 | 23 | 33 | .70 | 200 | .01 | 3 | 1.19 | .01 | .22 | 1 |
| 90R27 60-65 | 4 | 20 | 18 | 84 | .5 | 16 | 6 | 364 | 2.48 | 243 | 5 | ND | 4 | 54 | .2 | 2 | 2 | 16 | .80 | .068 | 26 | 23 | .72 | 204 | .01 | 3 | 1.16 | .01 | .20 | 1 |
| 90R27 65-70 | 4 | 19 | 10 | 82 | .4 | 14 | 7 | 349 | 2.18 | 143 | 5 | ND | 9 | 68 | .2 | 3 | 2 | 20 | 1.04 | .067 | 37 | 31 | .87 | 346 | .01 | 2 | 1.28 | .01 | .32 | 1 |
| 90R27 70-75 | 2 | 8 | 21 | 39 | .3 | 6 | 3 | 222 | .91 | 198 | 5 | ND | 12 | 61 | .5 | 2 | 2 | 6 | .86 | .016 | 39 | 14 | .38 | 196 | .01 | 2 | .55 | .01 | .17 | 1 |
| 90R27 75-80 | 3 | 6 | 27 | 30 | .2 | 3 | 2 | 260 | .65 | 151 | 5 | ND | 13 | 47 | .3 | 2 | 2 | 3 | .75 | .012 | 43 | 22 | .32 | 273 | .01 | 2 | .55 | .01 | .22 | 1 |
| 90R27 80-85 | 4 | 5 | 58 | 23 | .5 | 4 | 2 | 319 | .56 | 137 | 5 | ND | 10 | 15 | .2 | 2 | 3 | 4 | .18 | .012 | 33 | 33 | .28 | 206 | .01 | 2 | .43 | .01 | .16 | 2 |
| 90R27 85-90 | 6 | 10 | 23 | 26 | .4 | 5 | 2 | 301 | .70 | 81 | 5 | ND | 9 | 9 | .5 | 2 | 2 | 6 | .07 | .008 | 28 | 64 | .19 | 275 | .01 | 2 | .42 | .01 | .17 | 2 |
| 90R27 90-95 | 4 | 19 | 14 | 44 | .4 | 12 | 4 | 335 | 1.31 | 159 | 5 | ND | 8 | 39 | .5 | 2 | 2 | 12 | .51 | .019 | 31 | 46 | .49 | 246 | .01 | 2 | .71 | .01 | .19 | 1 |
| 90R27 95-100 | 3 | 23 | 20 | 65 | .6 | 23 | 7 | 452 | 1.65 | 144 | 5 | ND | 3 | 91 | .2 | 2 | 2 | 17 | 1.69 | .034 | 16 | 47 | .81 | 271 | .01 | 2 | .96 | .01 | .16 | 1 |
| 90R27 100-105 | 2 | 17 | 25 | 79 | 1.0 | 19 | 8 | 1238 | 2.72 | 192 | 5 | ND | 1 | 201 | .5 | 2 | 2 | 37 | 4.01 | .057 | 10 | 43 | 1.34 | 196 | .01 | 2 | 1.39 | .01 | .15 | 1 |
| 90R27 105-110 | 1 | 11 | 15 | 99 | .2 | 9 | 9 | 1149 | 3.86 | 26 | 5 | ND | 1 | 224 | .2 | 2 | 2 | 42 | 5.63 | .087 | 13 | 38 | 2.21 | 119 | .01 | 2 | 2.31 | .01 | .13 | 1 |
| 90R27 110-115 | 2 | 13 | 12 | 104 | .4 | 8 | 8 | 863 | 3.60 | 34 | 5 | ND | 2 | 162 | .2 | 2 | 2 | 46 | 3.96 | .096 | 16 | 53 | 2.14 | 149 | .01 | 2 | 2.24 | .02 | .15 | 1 |
| 90R27 115-120 | 1 | 22 | 13 | 93 | .3 | 12 | 8 | 807 | 3.41 | 95 | 5 | ND | 1 | 160 | .2 | 2 | 2 | 42 | 3.77 | .086 | 17 | 49 | 1.92 | 137 | .01 | 2 | 1.97 | .02 | .13 | 1 |
| 90R27 120-125 | 2 | 24 | 11 | 80 | .4 | 21 | 7 | 437 | 2.39 | 23 | 5 | ND | 3 | 67 | .2 | 2 | 2 | 24 | 1.50 | .054 | 17 | 49 | 1.09 | 136 | .04 | 3 | 1.22 | .01 | .11 | 1 |
| 90R27 125-130 | 1 | 29 | 10 | 89 | .4 | 20 | 10 | 412 | 3.01 | 9 | 5 | ND | 4 | 52 | .2 | 2 | 2 | 33 | 1.13 | .078 | 26 | 61 | 1.72 | 196 | .08 | 2 | 1.82 | .02 | .16 | 1 |
| 90R27 130-135 | 12 | 25 | 17 | 80 | .4 | 20 | 8 | 588 | 2.45 | 19 | 5 | ND | 3 | 67 | .2 | 2 | 2 | 22 | 1.52 | .065 | 21 | 153 | 1.05 | 195 | .02 | 2 | 1.30 | .02 | .13 | 1 |
| 90R27 135-140 | 2 | 23 | 33 | 85 | .4 | 12 | 8 | 848 | 3.00 | 9 | 5 | ND | 1 | 144 | .2 | 2 | 2 | 26 | 4.52 | .082 | 16 | 45 | 1.63 | 169 | .02 | 2 | 1.76 | .01 | .14 | 1 |
| 90R27 140-145 | 1 | 23 | 24 | 97 | .4 | 11 | 9 | 1047 | 3.47 | 4 | 5 | ND | 1 | 168 | .2 | 2 | 2 | 34 | 5.76 | .112 | 15 | 39 | 1.97 | 112 | .04 | 2 | 2.10 | .01 | .09 | 1 |
| 90R27 145-150 | 1 | 13 | 21 | 61 | .3 | 7 | 5 | 670 | 1.53 | 13 | 5 | ND | 5 | 167 | .2 | 2 | 2 | 10 | 4.82 | .059 | 20 | 27 | .97 | 163 | .01 | 2 | 1.05 | .01 | .12 | 1 |
| 90R27 150-155 | 3 | 7 | 19 | 47 | .4 | 4 | 2 | 213 | .86 | 16 | 5 | ND | 7 | 84 | .2 | 2 | 2 | 3 | 1.20 | .013 | 23 | 41 | .83 | 254 | .01 | 4 | .86 | .01 | .13 | 1 |
| 90R27 155-160 | 2 | 11 | 25 | 54 | .3 | 5 | 3 | 343 | 1.37 | 20 | 5 | ND | 6 | 121 | .3 | 2 | 2 | 8 | 2.07 | .027 | 22 | 28 | 1.13 | 193 | .01 | 2 | 1.17 | .01 | .12 | 1 |
| 90R27 160-165 | 3 | 5 | 11 | 51 | .2 | 3 | 2 | 119 | .78 | 3 | 5 | ND | 4 | 43 | .2 | 2 | 2 | 1 | .40 | .010 | 15 | 42 | 1.17 | 216 | .01 | 2 | 1.12 | .02 | .12 | 1 |
| 90R27 165-170 | 1 | 8 | 21 | 42 | .1 | 5 | 2 | 459 | .96 | 9 | 5 | ND | 2 | 135 | .8 | 2 | 2 | 3 | 6.76 | .020 | 12 | 20 | 1.06 | 151 | .01 | 2 | 1.00 | .01 | .09 | 1 |
| 90R27 170-175 | 1 | 7 | 15 | 41 | .3 | 2 | 3 | 754 | .96 | 8 | 5 | ND | 1 | 194 | .4 | 2 | 2 | 3 | 11.92 | .037 | 8 | 22 | 1.04 | 158 | .01 | 2 | .96 | .01 | .07 | 1 |
| 90R27 175-180 | 2 | 11 | 22 | 49 | .2 | 2 | 2 | 125 | .76 | 6 | 5 | ND | 8 | 90 | .4 | 2 | 2 | 1 | .87 | .011 | 22 | 20 | 1.00 | 319 | .01 | 2 | .95 | .02 | .10 | 1 |
| STANDARD C | 19 | 63 | 40 | 133 | 6.7 | 73 | 32 | 1051 | 3.99 | 43 | 17 | 7 | 36 | 53 | 18.4 | 15 | 21 | 58 | .50 | .097 | 37 | 60 | .87 | 179 | .08 | 36 | 1.89 | .06 | .13 | 11 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PULP

**DATE RECEIVED:** DEC 4 1990 **DATE REPORT MAILED:** Dec 6/90 **SIGNED BY.** D. Toye .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R27 180-185 | 2 | 7 | 16 | 51 | .2 | 3 | 2 | 117 | .83 | 5 | 5 | ND | 6 | 65 | .2 | 2 | 2 | 1 | .66 | .014 | 21 | 25 | 1.08 | 225 | .01 | 3 | 1.02 | .02 | .11 | 1 |
| 90R27 185-190 | 2 | 9 | 19 | 47 | .2 | 3 | 1 | 108 | .82 | 12 | 5 | ND | 8 | 73 | .2 | 2 | 2 | 1 | .68 | .011 | 28 | 21 | .95 | 194 | .01 | 2 | .89 | .02 | .10 | 1 |
| 90R27 190-195 | 3 | 11 | 18 | 42 | .3 | 5 | 1 | 114 | .84 | 9 | 5 | ND | 7 | 77 | .2 | 2 | 2 | 1 | .69 | .010 | 22 | 29 | .98 | 223 | .01 | 3 | .93 | .02 | .10 | 2 |
| 90R27 195-200 | 3 | 8 | 18 | 43 | .2 | 4 | 1 | 148 | .85 | 6 | 5 | ND | 7 | 104 | .2 | 2 | 2 | 2 | .90 | .011 | 24 | 24 | .98 | 323 | .01 | 2 | .94 | .02 | .11 | 3 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R28 0-5 | 7 | 13 | 14 | 48 | .2 | 11 | 5 | 286 | 1.38 | 18 | 5 | ND | 6 | 11 | .7 | 2 | 3 | 16 | .13 | .028 | 18 | 84 | .55 | 315 | .02 | 2 | .79 | .01 | .10 | 1 |
| 90R28 5-10 | 7 | 9 | 16 | 53 | .1 | 11 | 5 | 257 | 1.30 | 18 | 5 | ND | 6 | 13 | .2 | 2 | 2 | 14 | .11 | .026 | 18 | 85 | .49 | 303 | .01 | 2 | .74 | .01 | .11 | 1 |
| 90R28 10-15 | 4 | 21 | 21 | 97 | .2 | 21 | 9 | 528 | 2.07 | 27 | 5 | ND | 7 | 21 | .3 | 2 | 2 | 24 | .35 | .090 | 30 | 55 | .99 | 295 | .01 | 2 | 1.42 | .01 | .15 | 1 |
| 90R28 15-20 | 6 | 37 | 29 | 91 | .3 | 31 | 15 | 511 | 3.88 | 20 | 5 | ND | 3 | 17 | .2 | 2 | 2 | 54 | .32 | .065 | 12 | 100 | 2.52 | 273 | .07 | 3 | 2.52 | .02 | .11 | 1 |
| 90R28 20-25 | 4 | 46 | 58 | 92 | .4 | 33 | 14 | 498 | 3.85 | 35 | 5 | ND | 2 | 13 | .2 | 2 | 2 | 59 | .28 | .068 | 12 | 70 | 2.50 | 198 | .06 | 2 | 2.40 | .01 | .08 | 1 |
| 90R28 25-30 | 5 | 44 | 18 | 109 | .3 | 36 | 16 | 504 | 4.08 | 21 | 5 | ND | 2 | 24 | .2 | 2 | 2 | 65 | .38 | .072 | 8 | 86 | 2.26 | 222 | .09 | 4 | 2.43 | .03 | .07 | 1 |
| 90R28 30-35 | 4 | 39 | 17 | 97 | .6 | 37 | 17 | 521 | 3.90 | 39 | 5 | ND | 2 | 24 | .2 | 2 | 2 | 64 | .39 | .071 | 11 | 85 | 2.00 | 214 | .06 | 3 | 2.31 | .02 | .08 | 1 |
| 90R28 35-40 | 5 | 44 | 16 | 106 | .4 | 35 | 16 | 481 | 4.00 | 35 | 5 | ND | 2 | 26 | .9 | 2 | 2 | 59 | .45 | .071 | 11 | 87 | 2.10 | 208 | .08 | 3 | 2.33 | .03 | .11 | 1 |
| 90R28 40-45 | 7 | 42 | 19 | 94 | .4 | 31 | 14 | 461 | 3.92 | 24 | 5 | ND | 3 | 33 | 1.0 | 2 | 2 | 48 | .83 | .071 | 14 | 101 | 2.79 | 154 | .05 | 3 | 2.57 | .02 | .15 | 1 |
| 90R28 45-50 | 6 | 43 | 22 | 126 | .6 | 42 | 15 | 409 | 3.64 | 56 | 5 | ND | 4 | 18 | .2 | 2 | 2 | 38 | .35 | .075 | 19 | 70 | 2.50 | 134 | .02 | 2 | 2.23 | .01 | .15 | 1 |
| 90R28 50-55 | 8 | 47 | 27 | 254 | .4 | 38 | 13 | 324 | 3.53 | 17 | 5 | ND | 4 | 39 | 2.8 | 2 | 2 | 33 | .72 | .074 | 17 | 85 | 1.68 | 182 | .04 | 2 | 1.58 | .01 | .22 | 1 |
| 90R28 55-60 | 8 | 54 | 13 | 86 | .6 | 36 | 13 | 250 | 3.53 | 10 | 5 | ND | 4 | 60 | .7 | 2 | 2 | 53 | .83 | .075 | 15 | 107 | 1.70 | 141 | .07 | 2 | 1.61 | .03 | .17 | 1 |
| 90R28 60-65 | 7 | 53 | 37 | 89 | .7 | 38 | 13 | 281 | 4.18 | 36 | 5 | ND | 4 | 62 | .3 | 2 | 2 | 82 | .81 | .077 | 17 | 104 | 2.18 | 104 | .03 | 2 | 2.08 | .04 | .14 | 1 |
| 90R28 65-70 | 7 | 43 | 14 | 80 | .7 | 37 | 13 | 238 | 3.74 | 29 | 5 | ND | 4 | 51 | .2 | 2 | 2 | 77 | .75 | .075 | 16 | 100 | 1.96 | 105 | .04 | 2 | 1.81 | .03 | .15 | 1 |
| 90R28 70-75 | 6 | 47 | 23 | 110 | .9 | 35 | 13 | 414 | 4.25 | 63 | 5 | ND | 4 | 52 | .3 | 2 | 2 | 61 | .82 | .075 | 17 | 84 | 2.65 | 167 | .04 | 2 | 2.35 | .02 | .18 | 1 |
| 90R28 75-80 | 6 | 36 | 25 | 101 | .7 | 23 | 10 | 372 | 4.16 | 5 | 5 | ND | 4 | 95 | .2 | 2 | 2 | 38 | 1.41 | .079 | 15 | 78 | 2.15 | 141 | .05 | 2 | 2.05 | .02 | .17 | 1 |
| 90R28 80-85 | 5 | 42 | 21 | 117 | .5 | 35 | 12 | 446 | 4.11 | 17 | 5 | ND | 4 | 69 | .2 | 2 | 2 | 49 | .92 | .074 | 16 | 63 | 2.48 | 116 | .05 | 2 | 2.15 | .02 | .13 | 1 |
| 90R28 85-90 | 5 | 54 | 34 | 146 | .7 | 39 | 12 | 517 | 4.36 | 25 | 5 | ND | 4 | 70 | .2 | 2 | 2 | 44 | 1.01 | .074 | 18 | 49 | 2.38 | 123 | .05 | 4 | 2.04 | .01 | .13 | 1 |
| 90R28 90-95 | 5 | 42 | 18 | 111 | .7 | 32 | 13 | 426 | 3.91 | 32 | 5 | ND | 4 | 86 | .2 | 2 | 2 | 37 | 1.28 | .073 | 18 | 64 | 2.06 | 151 | .04 | 2 | 1.95 | .02 | .17 | 1 |
| 90R28 95-100 | 7 | 35 | 19 | 91 | 1.3 | 25 | 10 | 449 | 3.44 | 45 | 5 | ND | 4 | 84 | .3 | 2 | 2 | 39 | 1.39 | .072 | 14 | 85 | 1.92 | 181 | .01 | 3 | 1.92 | .01 | .19 | 1 |
| 90R28 100-105 | 6 | 45 | 17 | 93 | .4 | 36 | 12 | 383 | 3.69 | 22 | 5 | ND | 3 | 97 | .2 | 2 | 2 | 35 | 1.66 | .074 | 17 | 76 | 2.08 | 154 | .02 | 2 | 2.00 | .01 | .16 | 1 |
| 90R28 105-110 | 6 | 33 | 23 | 95 | .4 | 33 | 12 | 328 | 3.45 | 19 | 5 | ND | 4 | 81 | .4 | 2 | 2 | 31 | 1.26 | .074 | 13 | 69 | 1.99 | 162 | .01 | 2 | 1.98 | .01 | .17 | 1 |
| 90R28 110-115 | 5 | 31 | 12 | 98 | .3 | 23 | 10 | 318 | 3.59 | 31 | 5 | ND | 4 | 76 | .2 | 2 | 2 | 34 | 1.31 | .074 | 14 | 65 | 2.05 | 151 | .01 | 2 | 1.93 | .01 | .16 | 1 |
| 90R28 115-120 | 5 | 23 | 21 | 98 | .3 | 19 | 9 | 297 | 3.37 | 24 | 5 | ND | 4 | 73 | .2 | 2 | 2 | 38 | 1.10 | .074 | 17 | 76 | 1.93 | 249 | .03 | 3 | 1.78 | .02 | .21 | 1 |
| 90R28 120-125 | 2 | 22 | 12 | 88 | .3 | 17 | 10 | 264 | 3.23 | 27 | 5 | ND | 4 | 60 | .2 | 2 | 2 | 37 | .82 | .076 | 16 | 49 | 1.87 | 246 | .07 | 2 | 1.70 | .02 | .37 | 1 |
| 90R28 125-130 | 4 | 17 | 14 | 96 | .3 | 12 | 9 | 223 | 3.08 | 12 | 5 | ND | 4 | 60 | .2 | 2 | 2 | 33 | .67 | .075 | 18 | 67 | 2.05 | 261 | .09 | 3 | 1.79 | .02 | .44 | 1 |
| 90R28 130-135 | 3 | 27 | 13 | 95 | .2 | 12 | 9 | 242 | 3.24 | 11 | 5 | ND | 4 | 54 | .2 | 2 | 2 | 33 | .64 | .078 | 16 | 53 | 2.11 | 205 | .08 | 2 | 1.86 | .02 | .31 | 1 |
| 90R28 135-140 | 3 | 23 | 24 | 83 | .3 | 10 | 8 | 251 | 3.00 | 11 | 5 | ND | 4 | 104 | .2 | 2 | 2 | 32 | 1.00 | .074 | 17 | 54 | 1.76 | 168 | .08 | 2 | 1.60 | .02 | .41 | 1 |
| 90R28 140-145 | 2 | 22 | 29 | 91 | .3 | 9 | 8 | 208 | 3.28 | 7 | 5 | ND | 4 | 62 | .2 | 2 | 2 | 38 | .77 | .076 | 17 | 47 | 2.11 | 133 | .05 | 2 | 1.84 | .02 | .32 | 1 |
| 90R28 145-150 | 3 | 15 | 14 | 107 | .3 | 8 | 9 | 223 | 3.55 | 4 | 5 | ND | 5 | 63 | .2 | 2 | 2 | 55 | .84 | .077 | 19 | 71 | 2.22 | 89 | .03 | 2 | 1.99 | .06 | .11 | 1 |
| 90R28 150-155 | 2 | 20 | 14 | 88 | .1 | 11 | 8 | 193 | 3.16 | 6 | 5 | ND | 4 | 46 | .2 | 2 | 2 | 30 | .67 | .073 | 15 | 48 | 2.32 | 90 | .02 | 2 | 1.88 | .02 | .15 | 1 |
| 90R28 155-160 | 3 | 22 | 7 | 78 | .2 | 11 | 9 | 296 | 2.93 | 8 | 5 | ND | 3 | 84 | .4 | 2 | 2 | 29 | 1.48 | .073 | 12 | 54 | 1.66 | 110 | .01 | 2 | 1.44 | .02 | .13 | 1 |
| 90R28 160-165 | 3 | 26 | 15 | 80 | .5 | 13 | 12 | 319 | 2.99 | 8 | 5 | ND | 3 | 139 | .3 | 2 | 2 | 37 | 1.88 | .067 | 13 | 57 | 1.31 | 108 | .02 | 2 | 1.31 | .03 | .12 | 1 |
| 90R28 165-170 | 8 | 5 | 16 | 14 | .3 | 6 | 3 | 92 | .60 | 2 | 5 | ND | 1 | 36 | .2 | 2 | 2 | 9 | .85 | .012 | 2 | 102 | .32 | 41 | .01 | 2 | .29 | .01 | .03 | 2 |
| 90R28 170-175 | 4 | 20 | 11 | 56 | .2 | 21 | 12 | 310 | 2.60 | 7 | 5 | ND | 1 | 87 | .2 | 2 | 2 | 35 | 1.55 | .048 | 5 | 76 | 1.67 | 102 | .08 | 2 | 1.50 | .02 | .10 | 1 |
| 90R28 175-180 | 3 | 28 | 15 | 75 | .5 | 21 | 14 | 321 | 2.73 | 6 | 5 | ND | 1 | 63 | .2 | 2 | 2 | 37 | 1.16 | .055 | 4 | 67 | 1.76 | 106 | .08 | 3 | 1.61 | .02 | .10 | 1 |
| STANDARD C | 19 | 61 | 42 | 133 | 7.6 | 73 | 32 | 1048 | 3.99 | 43 | 17 | 7 | 36 | 52 | 18.4 | 14 | 21 | 57 | .48 | .097 | 36 | 60 | .86 | 179 | .07 | 35 | 1.90 | .06 | .13 | 12 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R28 180-185 | 5 | 26 | 10 | 74 | .4 | 17 | 12 | 430 | 2.72 | 5 | 5 | ND | 1 | 63 | .3 | 2 | 2 | 26 | 1.21 | .060 | 5 | 58 | 1.47 | 130 | .06 | 4 | 1.47 | .01 | .09 | 1 |
| 90R28 185-190 | 3 | 22 | 3 | 65 | .4 | 13 | 13 | 340 | 2.21 | 7 | 5 | ND | 1 | 42 | .2 | 4 | 2 | 21 | .90 | .062 | 2 | 50 | 1.20 | 107 | .08 | 2 | 1.22 | .01 | .08 | 1 |
| 90R28 190-195 | 4 | 11 | 13 | 98 | .3 | 12 | 12 | 292 | 2.03 | 8 | 5 | ND | 1 | 53 | .4 | 3 | 2 | 19 | 1.33 | .078 | 5 | 54 | 1.06 | 140 | .06 | 2 | 1.09 | .01 | .09 | 1 |
| 90R28 195-200 | 4 | 14 | 9 | 100 | .4 | 20 | 12 | 176 | 1.73 | 11 | 5 | ND | 2 | 58 | .6 | 3 | 2 | 17 | 1.03 | .079 | 10 | 52 | .90 | 199 | .09 | 6 | .84 | .01 | .12 | 1 |

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

**Northern Analytical Labs. Ltd.** PROJECT WO#13032 File # 90-6250 Page 1

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R29 0-5 | 7 | 12 | 39 | 49 | .3 | 11 | 3 | 262 | .94 | 20 | 5 | ND | 8 | 22 | .5 | 2 | 2 | 7 | .23 | .014 | 26 | 61 | .22 | 540 | .01 | 5 | .42 | .01 | .09 | 1 |
| 90R29 5-10 | 4 | 5 | 26 | 28 | .2 | 5 | 1 | 96 | .47 | 6 | 5 | ND | 12 | 13 | .4 | 2 | 3 | 2 | .07 | .006 | 30 | 32 | .06 | 423 | .01 | 2 | .25 | .01 | .09 | 1 |
| 90R29 10-15 | 4 | 7 | 30 | 23 | .3 | 7 | 1 | 239 | .39 | 7 | 5 | ND | 10 | 16 | .2 | 2 | 2 | 2 | .11 | .006 | 21 | 33 | .07 | 436 | .01 | 2 | .21 | .01 | .07 | 1 |
| 90R29 15-20 | 8 | 9 | 28 | 21 | .2 | 5 | 2 | 197 | .37 | 4 | 5 | ND | 7 | 27 | .2 | 2 | 2 | 3 | .22 | .007 | 20 | 78 | .06 | 274 | .01 | 2 | .30 | .01 | .12 | 1 |
| 90R29 20-25 | 6 | 9 | 34 | 24 | .2 | 6 | 1 | 160 | .35 | 8 | 5 | ND | 7 | 20 | .2 | 2 | 2 | 3 | .14 | .006 | 19 | 54 | .05 | 256 | .01 | 3 | .26 | .01 | .09 | 1 |
| 90R29 25-30 | 4 | 6 | 28 | 26 | .5 | 4 | 1 | 78 | .26 | 4 | 5 | ND | 6 | 21 | .3 | 2 | 2 | 2 | .16 | .006 | 16 | 37 | .03 | 198 | .02 | 3 | .24 | .02 | .09 | 1 |
| 90R29 30-35 | 5 | 7 | 27 | 22 | .4 | 3 | 1 | 60 | .27 | 3 | 5 | ND | 9 | 18 | .3 | 2 | 2 | 1 | .13 | .004 | 19 | 45 | .03 | 181 | .01 | 2 | .22 | .01 | .10 | 1 |
| 90R29 35-40 | 4 | 4 | 27 | 20 | .2 | 4 | 1 | 66 | .31 | 4 | 5 | ND | 13 | 44 | .2 | 2 | 2 | 1 | .32 | .005 | 34 | 41 | .02 | 441 | .01 | 2 | .21 | .01 | .11 | 1 |
| 90R29 40-45 | 7 | 5 | 18 | 42 | .3 | 4 | 1 | 56 | .41 | 5 | 5 | ND | 9 | 19 | .6 | 2 | 2 | 1 | .12 | .004 | 22 | 73 | .07 | 323 | .01 | 2 | .33 | .02 | .10 | 2 |
| 90R29 45-50 | 9 | 7 | 20 | 44 | .3 | 5 | 1 | 60 | .52 | 9 | 5 | ND | 7 | 24 | .3 | 2 | 2 | 1 | .26 | .005 | 20 | 55 | .10 | 310 | .01 | 2 | .32 | .02 | .09 | 2 |
| 90R29 50-55 | 5 | 4 | 17 | 27 | .3 | 3 | 1 | 55 | .57 | 11 | 5 | ND | 13 | 23 | .2 | 2 | 2 | 1 | .26 | .006 | 36 | 30 | .05 | 258 | .01 | 4 | .25 | .01 | .09 | 1 |
| 90R29 55-60 | 6 | 4 | 12 | 21 | .2 | 2 | 1 | 53 | .42 | 9 | 5 | ND | 11 | 19 | .8 | 2 | 4 | 1 | .13 | .004 | 28 | 60 | .03 | 354 | .01 | 2 | .29 | .02 | .12 | 1 |
| 90R29 60-65 | 4 | 4 | 22 | 19 | .5 | 3 | 1 | 59 | .33 | 7 | 5 | ND | 12 | 31 | .2 | 2 | 2 | 1 | .23 | .004 | 36 | 41 | .02 | 278 | .01 | 2 | .22 | .01 | .11 | 2 |
| 90R29 65-70 | 8 | 5 | 25 | 23 | .4 | 3 | 1 | 91 | .37 | 4 | 5 | ND | 11 | 31 | .2 | 2 | 2 | 1 | .27 | .004 | 33 | 84 | .03 | 251 | .01 | 2 | .26 | .02 | .15 | 3 |
| 90R29 70-75 | 5 | 3 | 35 | 26 | .4 | 3 | 1 | 70 | .36 | 7 | 5 | ND | 12 | 28 | .2 | 2 | 3 | 1 | .25 | .004 | 36 | 49 | .04 | 397 | .01 | 2 | .21 | .01 | .10 | 1 |
| 90R29 75-80 | 4 | 3 | 26 | 22 | .3 | 2 | 1 | 36 | .34 | 4 | 5 | ND | 14 | 9 | .2 | 2 | 2 | 1 | .06 | .003 | 35 | 42 | .02 | 195 | .01 | 2 | .20 | .01 | .11 | 1 |
| 90R29 80-85 | 4 | 3 | 19 | 17 | .8 | 2 | 1 | 39 | .27 | 7 | 6 | ND | 14 | 14 | .2 | 2 | 2 | 1 | .08 | .004 | 38 | 31 | .02 | 415 | .01 | 3 | .18 | .01 | .11 | 1 |
| 90R29 85-90 | 6 | 3 | 15 | 16 | .5 | 4 | 1 | 42 | .28 | 6 | 5 | ND | 13 | 16 | .2 | 2 | 2 | 1 | .10 | .004 | 36 | 60 | .02 | 378 | .01 | 2 | .21 | .02 | .13 | 2 |
| 90R29 90-95 | 7 | 3 | 17 | 17 | .3 | 2 | 1 | 42 | .30 | 4 | 5 | ND | 11 | 15 | .2 | 2 | 2 | 1 | .09 | .003 | 30 | 59 | .05 | 550 | .01 | 2 | .22 | .01 | .11 | 1 |
| 90R29 95-100 | 5 | 3 | 23 | 18 | .3 | 2 | 1 | 50 | .36 | 14 | 5 | ND | 13 | 13 | .3 | 2 | 2 | 1 | .07 | .003 | 24 | 35 | .09 | 503 | .01 | 4 | .22 | .01 | .10 | 1 |
| 90R29 100-105 | 8 | 3 | 67 | 17 | .5 | 2 | 1 | 35 | .45 | 11 | 7 | ND | 11 | 12 | .2 | 2 | 2 | 1 | .05 | .005 | 21 | 52 | .05 | 294 | .01 | 3 | .20 | .01 | .11 | 1 |
| 90R29 105-110 | 5 | 7 | 18 | 38 | .4 | 3 | 3 | 140 | .83 | 8 | 5 | ND | 6 | 81 | 1.2 | 2 | 2 | 2 | .43 | .019 | 15 | 45 | .32 | 234 | .01 | 2 | .40 | .01 | .14 | 1 |
| 90R29 110-115 | 4 | 9 | 24 | 57 | .4 | 5 | 3 | 215 | 1.11 | 8 | 5 | ND | 6 | 155 | 1.0 | 3 | 2 | 4 | .71 | .021 | 15 | 42 | .55 | 195 | .01 | 3 | .54 | .01 | .10 | 1 |
| 90R29 115-120 | 5 | 8 | 18 | 51 | .9 | 1 | 3 | 170 | 1.12 | 7 | 5 | ND | 4 | 113 | .7 | 3 | 2 | 3 | .54 | .022 | 12 | 56 | .47 | 292 | .02 | 2 | .50 | .01 | .18 | 1 |
| 90R29 120-125 | 5 | 8 | 15 | 70 | .3 | 4 | 3 | 133 | 1.16 | 8 | 5 | ND | 5 | 73 | .9 | 2 | 2 | 3 | .31 | .023 | 13 | 52 | .53 | 313 | .02 | 2 | .57 | .01 | .20 | 1 |
| 90R29 125-130 | 5 | 9 | 23 | 75 | .4 | 2 | 2 | 100 | 1.11 | 8 | 5 | ND | 5 | 42 | .3 | 4 | 2 | 3 | .15 | .021 | 14 | 49 | .47 | 257 | .01 | 2 | .54 | .01 | .17 | 1 |
| 90R29 130-135 | 6 | 5 | 22 | 62 | .3 | 2 | 2 | 144 | 1.08 | 7 | 5 | ND | 5 | 65 | .5 | 2 | 2 | 3 | .29 | .022 | 14 | 61 | .46 | 268 | .01 | 2 | .54 | .01 | .15 | 1 |
| 90R29 135-140 | 5 | 3 | 14 | 22 | .2 | 1 | 1 | 55 | .42 | 4 | 5 | ND | 9 | 13 | .2 | 2 | 2 | 1 | .05 | .007 | 24 | 53 | .15 | 228 | .01 | 2 | .25 | .01 | .11 | 1 |
| 90R29 140-145 | 8 | 4 | 18 | 24 | .3 | 2 | 1 | 69 | .37 | 4 | 5 | ND | 10 | 35 | .2 | 2 | 2 | 1 | .37 | .005 | 35 | 78 | .08 | 268 | .01 | 3 | .26 | .02 | .13 | 1 |
| 90R29 145-150 | 6 | 6 | 16 | 24 | .3 | 2 | 1 | 53 | .33 | 3 | 5 | ND | 11 | 39 | .2 | 2 | 2 | 1 | .37 | .003 | 40 | 55 | .08 | 325 | .01 | 2 | .25 | .01 | .10 | 1 |
| 90R29 150-155 | 6 | 3 | 16 | 13 | .4 | 2 | 1 | 81 | .38 | 10 | 5 | ND | 9 | 73 | .2 | 2 | 2 | 1 | .86 | .003 | 28 | 60 | .03 | 243 | .01 | 4 | .18 | .01 | .10 | 1 |
| 90R29 155-160 | 5 | 3 | 16 | 15 | .3 | 1 | 1 | 59 | .23 | 7 | 5 | ND | 10 | 57 | .2 | 2 | 2 | 1 | .54 | .002 | 26 | 49 | .03 | 258 | .01 | 5 | .17 | .01 | .11 | 1 |
| 90R29 160-165 | 6 | 3 | 39 | 20 | .4 | 1 | 1 | 95 | .32 | 7 | 5 | ND | 9 | 18 | .2 | 2 | 2 | 1 | .11 | .002 | 17 | 56 | .06 | 485 | .01 | 7 | .18 | .01 | .09 | 1 |
| 90R29 165-170 | 6 | 3 | 66 | 31 | .6 | 2 | 1 | 115 | .39 | 7 | 5 | ND | 7 | 52 | .5 | 2 | 2 | 1 | .41 | .005 | 14 | 62 | .09 | 399 | .01 | 3 | .19 | .01 | .09 | 1 |
| 90R29 170-175 | 5 | 8 | 29 | 35 | 1.1 | 2 | 1 | 129 | .40 | 8 | 5 | ND | 6 | 72 | .7 | 2 | 2 | 1 | .61 | .010 | 23 | 45 | .09 | 536 | .01 | 2 | .23 | .01 | .12 | 1 |
| 90R29 175-180 | 3 | 6 | 24 | 34 | .6 | 1 | 1 | 152 | .59 | 10 | 5 | ND | 7 | 88 | .3 | 2 | 2 | 1 | .64 | .009 | 21 | 39 | .15 | 342 | .01 | 2 | .29 | .01 | .15 | 1 |
| STANDARD C | 19 | 61 | 35 | 133 | 7.3 | 73 | 32 | 1058 | 3.98 | 43 | 17 | 8 | 36 | 53 | 18.6 | 15 | 20 | 60 | .50 | .096 | 37 | 59 | .86 | 179 | .08 | 36 | 1.90 | .06 | .13 | 12 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PULP

**DATE RECEIVED:** DEC 7 1990 **DATE REPORT MAILED:** Dec 11/90 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R29 180-185 | 4 | 6 | 25 | 26 | .3 | 1 | 1 | 88 | .44 | 2 | 5 | ND | 8 | 51 | .4 | 2 | 2 | 1 | .38 | .008 | 20 | 40 | .08 | 371 | .01 | 2 | .24 | .02 | .18 | 1 |
| 90R29 185-190 | 10 | 5 | 49 | 28 | .6 | 1 | 1 | 92 | .60 | 11 | 5 | ND | 7 | 47 | .2 | 2 | 2 | 1 | .32 | .008 | 16 | 40 | .11 | 268 | .01 | 2 | .22 | .01 | .13 | 1 |
| 90R29 190-195 | 6 | 4 | 41 | 25 | .3 | 1 | 1 | 35 | .40 | 6 | 5 | ND | 7 | 8 | .2 | 2 | 2 | 1 | .05 | .011 | 16 | 42 | .06 | 429 | .01 | 2 | .18 | .01 | .13 | 1 |
| 90R29 195-200 | 9 | 4 | 21 | 14 | .1 | 2 | 1 | 38 | .37 | 5 | 5 | ND | 5 | 8 | .2 | 2 | 2 | 1 | .05 | .007 | 16 | 105 | .03 | 503 | .01 | 3 | .18 | .01 | .15 | 1 |
| 90R29 200-205 | 4 | 4 | 78 | 18 | .7 | 1 | 1 | 47 | .42 | 4 | 5 | ND | 7 | 43 | .2 | 2 | 2 | 1 | .34 | .007 | 18 | 39 | .02 | 297 | .01 | 3 | .16 | .01 | .14 | 1 |
| 90R29 205-210 | 7 | 4 | 20 | 12 | .3 | 1 | 1 | 64 | .55 | 9 | 5 | ND | 7 | 53 | .2 | 2 | 2 | 1 | .47 | .006 | 13 | 74 | .02 | 274 | .01 | 3 | .17 | .02 | .15 | 1 |
| 90R29 210-215 | 4 | 7 | 18 | 13 | .8 | 1 | 1 | 89 | .39 | 6 | 5 | ND | 7 | 84 | .2 | 2 | 2 | 1 | .70 | .007 | 17 | 42 | .02 | 453 | .01 | 3 | .17 | .02 | .14 | 1 |
| 90R29 215-220 | 5 | 3 | 19 | 13 | .4 | 1 | 1 | 68 | .42 | 6 | 5 | ND | 7 | 64 | .2 | 2 | 2 | 1 | .50 | .005 | 18 | 60 | .01 | 411 | .01 | 2 | .16 | .02 | .16 | 4 |
| 90R29 220-225 | 3 | 4 | 12 | 12 | .4 | 1 | 1 | 77 | .38 | 6 | 5 | ND | 7 | 94 | .2 | 3 | 2 | 1 | .69 | .007 | 16 | 35 | .01 | 358 | .01 | 2 | .17 | .02 | .15 | 4 |
| 90R29 225-230 | 4 | 4 | 14 | 15 | .4 | 1 | 1 | 69 | .40 | 6 | 5 | ND | 8 | 80 | .2 | 2 | 2 | 1 | .66 | .006 | 16 | 46 | .02 | 304 | .01 | 2 | .17 | .01 | .15 | 2 |
| 90R29 230-235 | 3 | 3 | 16 | 9 | .4 | 1 | 1 | 51 | .31 | 5 | 5 | ND | 7 | 61 | .2 | 2 | 3 | 1 | .41 | .005 | 13 | 38 | .06 | 585 | .01 | 2 | .18 | .01 | .14 | 9 |
| 90R29 235-240 | 6 | 7 | 18 | 12 | .2 | 1 | 1 | 66 | .40 | 4 | 5 | ND | 8 | 62 | .2 | 2 | 2 | 1 | .47 | .004 | 19 | 69 | .10 | 576 | .01 | 2 | .23 | .02 | .18 | 6 |
| 90R29 240-245 | 3 | 4 | 12 | 13 | .3 | 1 | 1 | 62 | .31 | 2 | 5 | ND | 8 | 74 | .2 | 2 | 2 | 1 | .58 | .007 | 22 | 36 | .09 | 664 | .01 | 2 | .21 | .01 | .15 | 1 |
| 90R29 245-250 | 5 | 4 | 23 | 21 | .3 | 1 | 1 | 71 | .42 | 4 | 5 | ND | 7 | 68 | .3 | 2 | 2 | 1 | .49 | .005 | 14 | 54 | .12 | 322 | .01 | 2 | .23 | .01 | .15 | 1 |
| 90R29 250-255 | 6 | 5 | 27 | 21 | .7 | 1 | 1 | 131 | .61 | 2 | 5 | ND | 7 | 88 | .2 | 2 | 2 | 1 | .79 | .007 | 12 | 54 | .21 | 279 | .01 | 2 | .29 | .01 | .17 | 1 |
| 90R29 255-260 | 5 | 2 | 9 | 29 | .1 | 1 | 1 | 104 | .53 | 3 | 5 | ND | 7 | 95 | .2 | 2 | 2 | 1 | .56 | .004 | 11 | 54 | .23 | 288 | .01 | 2 | .30 | .01 | .17 | 1 |
| 90R29 260-265 | 5 | 5 | 14 | 65 | .4 | 1 | 1 | 169 | .77 | 8 | 5 | ND | 8 | 152 | .4 | 2 | 2 | 1 | .68 | .004 | 10 | 30 | .64 | 281 | .01 | 2 | .51 | .01 | .16 | 1 |
| 90R29 265-270 | 9 | 6 | 16 | 79 | .5 | 1 | 1 | 218 | .77 | 7 | 5 | ND | 8 | 144 | .8 | 2 | 2 | 1 | .99 | .005 | 10 | 74 | .41 | 292 | .01 | 3 | .40 | .01 | .19 | 1 |
| 90R29 270-275 | 4 | 4 | 12 | 35 | .2 | 1 | 1 | 47 | .34 | 2 | 5 | ND | 7 | 24 | .4 | 2 | 2 | 1 | .15 | .005 | 14 | 42 | .07 | 208 | .01 | 2 | .17 | .01 | .13 | 3 |
| 90R29 275-280 | 4 | 4 | 13 | 27 | .3 | 1 | 1 | 65 | .44 | 2 | 5 | ND | 8 | 35 | .2 | 2 | 2 | 1 | .17 | .007 | 20 | 34 | .10 | 446 | .01 | 2 | .23 | .02 | .13 | 2 |
| 90R29 280-285 | 4 | 4 | 14 | 27 | .7 | 1 | 1 | 108 | .60 | 5 | 5 | ND | 7 | 40 | .2 | 2 | 2 | 1 | .34 | .006 | 17 | 47 | .11 | 449 | .01 | 2 | .25 | .02 | .14 | 1 |
| 90R29 285-290 | 5 | 6 | 16 | 22 | .4 | 1 | 1 | 101 | .53 | 7 | 5 | ND | 8 | 67 | .2 | 2 | 2 | 1 | .49 | .007 | 19 | 54 | .11 | 395 | .01 | 3 | .27 | .02 | .17 | 1 |
| 90R29 290-295 | 5 | 7 | 20 | 34 | .3 | 1 | 1 | 171 | .60 | 5 | 5 | ND | 8 | 144 | .4 | 2 | 2 | 1 | 1.06 | .006 | 17 | 53 | .22 | 321 | .01 | 2 | .30 | .02 | .17 | 2 |
| 90R29 295-300 | 6 | 3 | 25 | 9 | .2 | 1 | 1 | 35 | .28 | 4 | 5 | ND | 8 | 20 | .2 | 2 | 2 | 1 | .19 | .001 | 17 | 71 | .03 | 590 | .01 | 2 | .18 | .02 | .16 | 2 |
| 90R29 300-305 | 6 | 1 | 17 | 16 | .3 | 1 | 1 | 120 | .45 | 2 | 5 | ND | 7 | 55 | .2 | 2 | 2 | 1 | .45 | .003 | 12 | 58 | .11 | 313 | .01 | 3 | .21 | .02 | .13 | 2 |
| 90R29 305-310 | 5 | 4 | 16 | 39 | .3 | 1 | 1 | 333 | .69 | 3 | 5 | ND | 7 | 147 | .3 | 2 | 2 | 1 | .95 | .006 | 12 | 55 | .38 | 279 | .01 | 2 | .29 | .01 | .17 | 1 |
| 90R29 310-315 | 7 | 5 | 21 | 17 | .6 | 1 | 1 | 155 | .40 | 8 | 5 | ND | 11 | 83 | .3 | 2 | 3 | 1 | .64 | .004 | 25 | 51 | .23 | 371 | .01 | 2 | .22 | .02 | .17 | 1 |
| 90R29 315-320 | 9 | 6 | 8 | 15 | .6 | 1 | 1 | 140 | .61 | 2 | 5 | ND | 6 | 62 | .2 | 2 | 2 | 1 | .50 | .004 | 9 | 81 | .12 | 331 | .01 | 2 | .21 | .02 | .14 | 2 |
| 90R29 320-325 | 6 | 4 | 14 | 10 | .2 | 1 | 1 | 98 | .54 | 7 | 5 | ND | 8 | 93 | .3 | 2 | 2 | 1 | .85 | .006 | 20 | 64 | .03 | 420 | .01 | 2 | .22 | .01 | .18 | 1 |
| 90R29 325-330 | 4 | 3 | 13 | 12 | .4 | 1 | 1 | 90 | .59 | 13 | 5 | ND | 7 | 52 | .2 | 2 | 3 | 1 | .49 | .007 | 17 | 47 | .02 | 289 | .01 | 2 | .18 | .01 | .14 | 1 |
| 90R29 330-335 | 5 | 5 | 13 | 12 | .3 | 1 | 1 | 92 | .53 | 8 | 5 | ND | 7 | 71 | .2 | 2 | 2 | 1 | .53 | .006 | 19 | 39 | .02 | 383 | .01 | 2 | .19 | .01 | .13 | 7 |
| 90R29 335-340 | 6 | 6 | 15 | 28 | .2 | 1 | 1 | 188 | .65 | 2 | 5 | ND | 8 | 81 | .2 | 2 | 2 | 1 | .73 | .007 | 23 | 58 | .08 | 327 | .01 | 2 | .28 | .02 | .16 | 2 |
| 90R29 340-345 | 3 | 7 | 19 | 44 | .5 | 1 | 1 | 164 | .74 | 6 | 5 | ND | 9 | 53 | .3 | 2 | 2 | 1 | .39 | .007 | 24 | 39 | .08 | 435 | .01 | 2 | .28 | .02 | .16 | 3 |
| 90R29 345-350 | 4 | 6 | 20 | 24 | .4 | 1 | 1 | 232 | .62 | 2 | 5 | ND | 7 | 141 | .4 | 2 | 2 | 1 | 1.16 | .006 | 19 | 39 | .07 | 486 | .01 | 2 | .23 | .01 | .12 | 1 |
| 90R29 350-355 | 3 | 5 | 16 | 25 | .3 | 1 | 1 | 146 | .46 | 2 | 5 | ND | 8 | 74 | .3 | 2 | 2 | 1 | .56 | .007 | 21 | 29 | .12 | 535 | .01 | 2 | .23 | .02 | .14 | 2 |
| 90R29 355-360 | 5 | 4 | 19 | 45 | .3 | 1 | 1 | 184 | .70 | 2 | 5 | ND | 9 | 120 | .4 | 2 | 2 | 1 | 1.17 | .008 | 24 | 38 | .29 | 524 | .01 | 2 | .39 | .01 | .15 | 1 |
| STANDARD C | 18 | 59 | 39 | 131 | 6.7 | 73 | 31 | 1056 | 3.96 | 41 | 21 | 7 | 36 | 52 | 19.0 | 19 | 17 | 56 | .47 | .093 | 36 | 58 | .87 | 179 | .07 | 32 | 1.89 | .05 | .14 | 11 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R29 360-365 | 4 | 4 | 16 | 51 | .4 | 1 | 2 | 234 | .90 | 2 | 5 | ND | 8 | 118 | .5 | 2 | 2 | 3 | 1.01 | .009 | 22 | 39 | .39 | 346 | .01 | 5 | .44 | .01 | .13 | 2 |
| 90R29 365-370 | 4 | 5 | 24 | 65 | .6 | 2 | 2 | 78 | .66 | 4 | 5 | ND | 7 | 44 | .9 | 2 | 2 | 1 | .48 | .006 | 19 | 40 | .08 | 162 | .01 | 2 | .21 | .01 | .12 | 2 |
| 90R29 370-375 | 7 | 5 | 13 | 42 | .7 | 2 | 2 | 115 | .75 | 3 | 5 | ND | 7 | 50 | .7 | 2 | 2 | 1 | .39 | .006 | 22 | 69 | .14 | 270 | .01 | 2 | .30 | .03 | .15 | 2 |
| 90R29 375-380 | 3 | 3 | 17 | 32 | .5 | 1 | 1 | 80 | .53 | 6 | 5 | ND | 8 | 54 | .3 | 2 | 2 | 1 | .32 | .007 | 25 | 33 | .13 | 446 | .01 | 3 | .27 | .02 | .15 | 1 |
| 90R29 380-385 | 5 | 3 | 20 | 36 | .5 | 1 | 1 | 82 | .43 | 5 | 5 | ND | 8 | 52 | .4 | 2 | 2 | 1 | .41 | .006 | 21 | 52 | .06 | 400 | .01 | 5 | .23 | .02 | .15 | 2 |
| 90R29 385-390 | 5 | 3 | 21 | 11 | .3 | 1 | 1 | 102 | .37 | 2 | 5 | ND | 8 | 71 | .2 | 2 | 2 | 1 | .60 | .006 | 26 | 56 | .04 | 401 | .01 | 2 | .23 | .02 | .16 | 1 |
| 90R29 390-395 | 8 | 4 | 17 | 58 | .4 | 2 | 2 | 239 | .83 | 7 | 5 | ND | 7 | 135 | .3 | 2 | 2 | 1 | 1.06 | .005 | 15 | 73 | .42 | 239 | .01 | 4 | .40 | .01 | .14 | 3 |
| 90R29 395-400 | 6 | 4 | 16 | 76 | .5 | 2 | 2 | 203 | 1.13 | 3 | 5 | ND | 8 | 98 | .2 | 2 | 2 | 1 | .97 | .006 | 24 | 52 | .84 | 626 | .01 | 6 | .87 | .01 | .11 | 1 |
| 90R29 400-405 | 5 | 4 | 17 | 59 | .5 | 2 | 2 | 243 | .89 | 3 | 5 | ND | 8 | 121 | .2 | 2 | 2 | 1 | 1.59 | .006 | 26 | 49 | .46 | 511 | .01 | 6 | .57 | .01 | .11 | 1 |
| 90R29 405-410 | 5 | 6 | 15 | 16 | .5 | 2 | 2 | 171 | .61 | 2 | 5 | ND | 8 | 130 | .5 | 2 | 3 | 1 | 1.43 | .004 | 24 | 44 | .09 | 776 | .01 | 4 | .25 | .01 | .12 | 1 |
| 90R29 410-415 | 6 | 4 | 18 | 10 | .4 | 1 | 1 | 139 | .46 | 2 | 5 | ND | 9 | 102 | .6 | 2 | 2 | 1 | .99 | .004 | 25 | 71 | .04 | 614 | .01 | 5 | .23 | .02 | .16 | 1 |
| 90R29 415-420 | 5 | 5 | 18 | 38 | .6 | 4 | 2 | 180 | .66 | 4 | 5 | ND | 9 | 83 | .5 | 3 | 2 | 1 | .74 | .005 | 26 | 47 | .28 | 642 | .01 | 3 | .41 | .01 | .12 | 1 |
| 90R29 420-425 | 6 | 3 | 18 | 47 | .6 | 2 | 2 | 109 | .60 | 2 | 5 | ND | 7 | 93 | .2 | 2 | 2 | 1 | .62 | .004 | 19 | 54 | .48 | 773 | .01 | 4 | .46 | .01 | .11 | 1 |
| 90R29 425-430 | 4 | 5 | 27 | 23 | .6 | 2 | 3 | 67 | .42 | 3 | 5 | ND | 8 | 76 | .5 | 2 | 2 | 1 | .52 | .004 | 20 | 46 | .17 | 545 | .01 | 4 | .27 | .02 | .13 | 5 |
| 90R29 430-435 | 8 | 5 | 33 | 29 | .6 | 4 | 2 | 69 | .45 | 3 | 5 | ND | 7 | 63 | .5 | 2 | 2 | 1 | .44 | .003 | 16 | 76 | .17 | 312 | .01 | 4 | .28 | .01 | .14 | 5 |
| 90R29 435-440 | 6 | 4 | 17 | 40 | .5 | 5 | 7 | 144 | .91 | 3 | 5 | ND | 6 | 98 | .2 | 2 | 2 | 1 | .62 | .005 | 10 | 61 | .36 | 257 | .01 | 3 | .40 | .01 | .14 | 11 |
| 90R29 440-445 | 7 | 4 | 28 | 25 | .6 | 8 | 3 | 82 | .57 | 4 | 5 | ND | 7 | 70 | .4 | 2 | 2 | 1 | .33 | .007 | 14 | 60 | .27 | 269 | .01 | 4 | .34 | .01 | .15 | 7 |
| 90R29 445-450 | 6 | 5 | 27 | 50 | 8.4 | 4 | 4 | 210 | 1.34 | 4 | 5 | 20 | 6 | 69 | .2 | 2 | 2 | 4 | .39 | .030 | 15 | 67 | .86 | 354 | .01 | 5 | .82 | .02 | .13 | 5 |
| STANDARD C | 17 | 57 | 40 | 129 | 7.0 | 70 | 32 | 1055 | 3.97 | 39 | 20 | 6 | 36 | 53 | 18.3 | 15 | 17 | 55 | .46 | .100 | 37 | 59 | .87 | 179 | .07 | 38 | 1.84 | .06 | .13 | 12 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90-R30 0-5 | 6 | 11 | 76 | 62 | .3 | 6 | 3 | 178 | .86 | 9 | 5 | ND | 5 | 16 | .5 | 2 | 2 | 7 | .19 | .018 | 16 | 65 | .26 | 418 | .01 | 2 | .39 | .01 | .12 | 1 |
| 90-R30 5-10 | 5 | 10 | 51 | 51 | .5 | 5 | 1 | 45 | .70 | 7 | 5 | ND | 7 | 10 | .2 | 2 | 2 | 5 | .06 | .008 | 23 | 47 | .11 | 338 | .01 | 2 | .40 | .01 | .14 | 1 |
| 90-R30 10-15 | 4 | 5 | 29 | 45 | .3 | 4 | 2 | 77 | .70 | 5 | 5 | ND | 7 | 14 | .3 | 2 | 2 | 6 | .07 | .012 | 22 | 39 | .13 | 364 | .01 | 2 | .39 | .01 | .15 | 1 |
| 90-R30 15-20 | 5 | 6 | 25 | 48 | .2 | 7 | 2 | 129 | .87 | 4 | 5 | ND | 6 | 93 | .2 | 2 | 2 | 6 | .08 | .017 | 22 | 45 | .53 | 1376 | .01 | 2 | .59 | .01 | .14 | 1 |
| 90-R30 20-25 | 3 | 8 | 19 | 44 | .3 | 8 | 3 | 129 | .96 | 7 | 5 | ND | 6 | 28 | .2 | 2 | 2 | 11 | .14 | .019 | 24 | 33 | .46 | 361 | .02 | 2 | .66 | .01 | .12 | 1 |
| 90-R30 25-30 | 4 | 5 | 30 | 66 | .4 | 4 | 3 | 188 | 1.38 | 7 | 5 | ND | 6 | 17 | .2 | 2 | 2 | 7 | .10 | .022 | 24 | 45 | .62 | 248 | .01 | 2 | .80 | .01 | .16 | 1 |
| 90-R30 30-35 | 4 | 8 | 36 | 64 | .4 | 5 | 3 | 167 | 1.31 | 6 | 5 | ND | 6 | 20 | .2 | 2 | 2 | 10 | .13 | .025 | 24 | 39 | .44 | 329 | .02 | 2 | .70 | .01 | .19 | 1 |
| 90-R30 35-40 | 3 | 7 | 20 | 68 | .2 | 3 | 4 | 244 | 1.67 | 3 | 5 | ND | 5 | 17 | .3 | 2 | 2 | 9 | .14 | .036 | 23 | 31 | .49 | 276 | .04 | 2 | .71 | .02 | .21 | 1 |
| 90-R30 40-45 | 7 | 5 | 15 | 72 | .2 | 4 | 3 | 232 | 1.66 | 6 | 5 | ND | 6 | 20 | .3 | 2 | 2 | 8 | .13 | .032 | 23 | 75 | .49 | 427 | .03 | 2 | .73 | .03 | .23 | 1 |
| 90-R30 45-50 | 4 | 7 | 18 | 60 | .3 | 6 | 4 | 192 | 1.45 | 7 | 5 | ND | 6 | 16 | .5 | 2 | 2 | 9 | .14 | .031 | 22 | 38 | .42 | 311 | .03 | 2 | .66 | .02 | .17 | 1 |
| 90-R30 50-55 | 7 | 12 | 29 | 67 | .1 | 10 | 4 | 229 | 1.63 | 8 | 5 | ND | 6 | 19 | .2 | 2 | 2 | 12 | .19 | .034 | 23 | 63 | .50 | 356 | .03 | 2 | .78 | .02 | .19 | 1 |
| 90-R30 55-60 | 5 | 26 | 22 | 83 | .2 | 7 | 4 | 182 | 1.48 | 9 | 5 | ND | 6 | 14 | .5 | 2 | 2 | 8 | .14 | .028 | 22 | 43 | .46 | 337 | .01 | 2 | .73 | .01 | .16 | 1 |
| 90-R30 60-65 | 4 | 9 | 18 | 68 | .3 | 5 | 4 | 183 | 1.40 | 8 | 5 | ND | 5 | 14 | .5 | 2 | 2 | 8 | .16 | .030 | 21 | 39 | .44 | 291 | .01 | 3 | .67 | .01 | .15 | 1 |
| 90-R30 65-70 | 5 | 8 | 17 | 78 | .2 | 4 | 2 | 172 | 1.57 | 3 | 5 | ND | 6 | 15 | .2 | 2 | 2 | 6 | .16 | .027 | 24 | 54 | .47 | 311 | .01 | 2 | .76 | .03 | .13 | 1 |
| 90-R30 70-75 | 4 | 6 | 19 | 91 | .2 | 6 | 3 | 160 | 1.52 | 6 | 5 | ND | 6 | 9 | .5 | 2 | 2 | 5 | .10 | .027 | 24 | 42 | .55 | 316 | .01 | 2 | .78 | .02 | .13 | 1 |
| 90-R30 75-80 | 9 | 10 | 29 | 113 | .3 | 7 | 3 | 230 | 1.80 | 10 | 5 | ND | 6 | 12 | .6 | 2 | 2 | 6 | .13 | .029 | 28 | 93 | .69 | 409 | .01 | 3 | 1.05 | .02 | .20 | 1 |
| 90-R30 80-85 | 7 | 7 | 22 | 83 | .2 | 5 | 3 | 279 | 1.60 | 4 | 5 | ND | 5 | 14 | .6 | 2 | 2 | 5 | .18 | .028 | 23 | 79 | .71 | 318 | .01 | 2 | .96 | .01 | .17 | 1 |
| 90-R30 85-90 | 10 | 8 | 16 | 77 | .2 | 7 | 3 | 367 | 1.55 | 2 | 5 | ND | 5 | 13 | .2 | 2 | 2 | 4 | .17 | .028 | 20 | 104 | .70 | 320 | .01 | 2 | .91 | .01 | .18 | 1 |
| 90-R30 90-95 | 8 | 10 | 29 | 93 | .2 | 6 | 3 | 294 | 1.75 | 9 | 5 | ND | 6 | 14 | .8 | 2 | 2 | 7 | .13 | .028 | 24 | 80 | .56 | 286 | .01 | 2 | .88 | .02 | .16 | 1 |
| 90-R30 95-100 | 4 | 8 | 20 | 90 | .2 | 4 | 2 | 282 | 1.52 | 6 | 5 | ND | 5 | 12 | .2 | 2 | 2 | 5 | .11 | .027 | 20 | 43 | .47 | 177 | .01 | 2 | .70 | .01 | .11 | 1 |
| 90-R30 100-105 | 5 | 7 | 20 | 84 | .3 | 3 | 3 | 334 | 1.76 | 5 | 5 | ND | 5 | 19 | .5 | 2 | 2 | 7 | .21 | .026 | 24 | 59 | .51 | 141 | .01 | 2 | .81 | .04 | .10 | 1 |
| 90-R30 105-110 | 5 | 8 | 18 | 86 | .2 | 4 | 3 | 299 | 1.78 | 5 | 5 | ND | 6 | 16 | .5 | 2 | 2 | 6 | .16 | .025 | 22 | 53 | .47 | 129 | .01 | 3 | .76 | .04 | .09 | 1 |
| 90-R30 110-115 | 4 | 7 | 18 | 82 | .3 | 4 | 3 | 286 | 1.63 | 6 | 5 | ND | 5 | 19 | .3 | 2 | 2 | 6 | .18 | .027 | 21 | 41 | .45 | 147 | .01 | 2 | .71 | .02 | .09 | 1 |
| 90-R30 115-120 | 5 | 8 | 23 | 89 | .1 | 5 | 3 | 302 | 1.80 | 4 | 5 | ND | 5 | 11 | .4 | 2 | 2 | 6 | .10 | .025 | 23 | 54 | .47 | 189 | .01 | 2 | .80 | .03 | .12 | 1 |
| 90-R30 120-125 | 4 | 7 | 31 | 102 | .3 | 4 | 3 | 298 | 1.98 | 8 | 5 | ND | 6 | 19 | .6 | 2 | 2 | 7 | .14 | .027 | 23 | 41 | .50 | 172 | .01 | 2 | .82 | .02 | .11 | 1 |
| 90-R30 125-130 | 4 | 7 | 28 | 122 | .3 | 5 | 3 | 299 | 1.88 | 6 | 5 | ND | 6 | 17 | .3 | 2 | 2 | 6 | .13 | .026 | 21 | 44 | .48 | 160 | .01 | 2 | .79 | .02 | .09 | 1 |
| 90-R30 130-135 | 7 | 7 | 23 | 79 | .1 | 4 | 2 | 257 | 1.59 | 4 | 5 | ND | 5 | 17 | .4 | 2 | 2 | 5 | .14 | .024 | 19 | 84 | .42 | 219 | .01 | 2 | .68 | .03 | .11 | 1 |
| 90-R30 135-140 | 8 | 6 | 31 | 68 | .3 | 3 | 2 | 217 | 1.40 | 4 | 5 | ND | 4 | 13 | .7 | 2 | 2 | 4 | .11 | .022 | 16 | 94 | .39 | 197 | .01 | 2 | .61 | .03 | .12 | 1 |
| 90-R30 140-145 | 6 | 7 | 35 | 73 | .6 | 4 | 2 | 206 | 1.41 | 6 | 5 | ND | 5 | 13 | .4 | 2 | 2 | 5 | .12 | .023 | 16 | 65 | .40 | 177 | .01 | 2 | .62 | .03 | .13 | 1 |
| 90-R30 145-150 | 4 | 6 | 19 | 86 | .4 | 2 | 3 | 226 | 1.67 | 4 | 5 | ND | 5 | 10 | .5 | 2 | 2 | 5 | .09 | .025 | 17 | 44 | .48 | 134 | .01 | 2 | .75 | .04 | .10 | 1 |
| 90-R30 150-155 | 7 | 7 | 38 | 63 | .3 | 2 | 2 | 185 | 1.24 | 6 | 5 | ND | 4 | 18 | .6 | 2 | 2 | 4 | .13 | .020 | 13 | 79 | .31 | 197 | .01 | 3 | .50 | .03 | .13 | 1 |
| 90-R30 155-160 | 4 | 7 | 28 | 69 | .3 | 1 | 3 | 248 | 1.44 | 5 | 5 | ND | 5 | 29 | .3 | 2 | 2 | 4 | .20 | .025 | 16 | 47 | .37 | 209 | .01 | 2 | .59 | .03 | .12 | 1 |
| 90-R30 160-165 | 4 | 7 | 33 | 69 | .4 | 2 | 2 | 205 | 1.38 | 10 | 5 | ND | 5 | 12 | .6 | 2 | 2 | 4 | .09 | .019 | 16 | 49 | .38 | 146 | .01 | 2 | .55 | .02 | .12 | 1 |
| 90-R30 165-170 | 5 | 10 | 21 | 66 | .3 | 3 | 2 | 226 | 1.34 | 8 | 5 | ND | 5 | 20 | .2 | 2 | 2 | 4 | .12 | .020 | 15 | 47 | .55 | 135 | .01 | 2 | .65 | .02 | .13 | 1 |
| 90-R30 170-175 | 6 | 7 | 37 | 74 | .4 | 4 | 2 | 141 | 1.08 | 8 | 5 | ND | 4 | 32 | .6 | 2 | 2 | 4 | .21 | .022 | 13 | 52 | .46 | 159 | .01 | 2 | .54 | .01 | .13 | 1 |
| 90-R30 175-180 | 8 | 8 | 23 | 69 | .2 | 4 | 2 | 129 | 1.31 | 31 | 5 | ND | 5 | 40 | .4 | 2 | 2 | 5 | .27 | .024 | 15 | 71 | .62 | 190 | .01 | 2 | .70 | .02 | .18 | 1 |
| STANDARD C | 20 | 62 | 39 | 132 | 7.4 | 72 | 32 | 1049 | 3.99 | 42 | 18 | 8 | 36 | 53 | 18.4 | 14 | 21 | 58 | .49 | .097 | 37 | 61 | .86 | 179 | .07 | 35 | 1.90 | .06 | .13 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R30 180-185 | 5 | 13 | 23 | 72 | .2 | 4 | 3 | 142 | 1.34 | 32 | 5 | ND | 4 | 30 | .7 | 2 | 2 | 5 | .21 | .021 | 13 | 48 | .61 | 162 | .01 | 5 | .69 | .01 | .15 | 1 |
| 90R30 185-190 | 4 | 6 | 25 | 69 | .1 | 2 | 3 | 110 | 1.18 | 12 | 5 | ND | 4 | 34 | .7 | 2 | 2 | 5 | .24 | .022 | 15 | 38 | .65 | 255 | .01 | 3 | .68 | .01 | .17 | 1 |
| 90R30 190-195 | 8 | 7 | 23 | 69 | .3 | 1 | 3 | 149 | 1.20 | 17 | 5 | ND | 4 | 69 | .4 | 2 | 2 | 4 | .51 | .024 | 13 | 61 | .61 | 189 | .01 | 4 | .65 | .01 | .17 | 1 |
| 90R30 195-200 | 6 | 7 | 19 | 61 | .2 | 2 | 3 | 484 | 1.30 | 25 | 5 | ND | 3 | 174 | .6 | 2 | 2 | 5 | 1.65 | .021 | 12 | 59 | .68 | 178 | .01 | 2 | .71 | .01 | .15 | 1 |
| 90R30 200-205 | 6 | 5 | 18 | 51 | .2 | 3 | 3 | 222 | 1.31 | 60 | 5 | ND | 4 | 61 | .2 | 2 | 2 | 6 | .49 | .023 | 11 | 69 | .68 | 176 | .01 | 5 | .69 | .01 | .19 | 1 |
| 90R30 205-210 | 4 | 5 | 12 | 46 | .2 | 3 | 4 | 164 | 1.26 | 20 | 5 | ND | 5 | 35 | .5 | 2 | 2 | 6 | .29 | .022 | 12 | 46 | .56 | 155 | .01 | 4 | .61 | .02 | .16 | 1 |
| 90R30 210-215 | 7 | 10 | 14 | 64 | .2 | 2 | 3 | 120 | 1.35 | 13 | 5 | ND | 4 | 29 | .4 | 2 | 2 | 6 | .21 | .023 | 9 | 71 | .64 | 183 | .01 | 5 | .66 | .02 | .21 | 1 |
| 90R30 215-220 | 5 | 6 | 13 | 62 | .2 | 2 | 2 | 117 | 1.21 | 7 | 5 | ND | 4 | 32 | .6 | 2 | 2 | 4 | .23 | .022 | 11 | 42 | .76 | 174 | .01 | 2 | .72 | .01 | .16 | 1 |
| 90R30 220-225 | 7 | 5 | 11 | 61 | .1 | 1 | 3 | 173 | 1.30 | 4 | 5 | ND | 4 | 20 | .4 | 2 | 2 | 4 | .14 | .025 | 15 | 64 | .54 | 423 | .02 | 4 | .65 | .01 | .20 | 1 |
| 90R30 225-230 | 6 | 5 | 24 | 86 | .2 | 3 | 3 | 267 | 1.54 | 8 | 5 | ND | 5 | 29 | .2 | 2 | 2 | 5 | .14 | .028 | 19 | 57 | .52 | 748 | .03 | 4 | .64 | .02 | .21 | 1 |
| 90R30 230-235 | 5 | 6 | 24 | 92 | .2 | 2 | 3 | 256 | 1.47 | 6 | 5 | ND | 5 | 32 | .2 | 2 | 2 | 6 | .13 | .025 | 17 | 50 | .50 | 1040 | .03 | 2 | .62 | .02 | .17 | 1 |
| 90R30 235-240 | 4 | 7 | 18 | 99 | .4 | 1 | 3 | 342 | 1.55 | 5 | 5 | ND | 5 | 49 | .5 | 2 | 2 | 5 | .28 | .027 | 17 | 44 | .51 | 701 | .04 | 2 | .62 | .02 | .23 | 1 |
| 90R30 240-245 | 6 | 6 | 8 | 54 | .2 | 3 | 3 | 204 | 1.11 | 4 | 5 | ND | 4 | 24 | .2 | 2 | 2 | 4 | .18 | .022 | 17 | 70 | .37 | 316 | .02 | 2 | .52 | .02 | .15 | 1 |
| 90R30 245-250 | 5 | 5 | 14 | 63 | .3 | 2 | 2 | 212 | 1.02 | 4 | 5 | ND | 5 | 24 | .2 | 2 | 2 | 3 | .18 | .017 | 21 | 63 | .45 | 456 | .01 | 5 | .57 | .02 | .16 | 1 |
| 90R30 250-255 | 4 | 7 | 20 | 64 | .3 | 2 | 3 | 332 | 1.28 | 4 | 5 | ND | 4 | 50 | .3 | 2 | 2 | 4 | .46 | .025 | 17 | 41 | .48 | 237 | .02 | 3 | .60 | .02 | .14 | 1 |
| 90R30 255-260 | 4 | 5 | 21 | 58 | .2 | 2 | 3 | 339 | 1.21 | 3 | 5 | ND | 4 | 71 | .4 | 2 | 2 | 3 | .56 | .025 | 17 | 46 | .46 | 258 | .02 | 2 | .60 | .01 | .16 | 1 |
| 90R30 260-265 | 6 | 5 | 12 | 36 | .2 | 1 | 2 | 126 | .72 | 2 | 5 | ND | 5 | 43 | .2 | 2 | 3 | 2 | .32 | .014 | 17 | 61 | .19 | 238 | .01 | 6 | .33 | .02 | .12 | 1 |
| 90R30 265-270 | 5 | 3 | 11 | 7 | 1.0 | 1 | 1 | 51 | .34 | 2 | 5 | ND | 6 | 27 | .3 | 2 | 2 | 2 | .28 | .013 | 22 | 53 | .05 | 314 | .01 | 6 | .23 | .02 | .13 | 1 |
| 90R30 270-275 | 7 | 2 | 6 | 4 | .1 | 1 | 1 | 39 | .31 | 2 | 5 | ND | 2 | 7 | .4 | 2 | 2 | 1 | .05 | .006 | 6 | 91 | .06 | 98 | .01 | 5 | .11 | .01 | .04 | 1 |
| 90R30 275-280 | 4 | 4 | 6 | 37 | .1 | 1 | 2 | 194 | .75 | 2 | 5 | ND | 5 | 52 | .6 | 2 | 2 | 1 | .36 | .009 | 15 | 50 | .22 | 172 | .01 | 2 | .34 | .01 | .11 | 1 |
| 90R30 280-285 | 6 | 6 | 19 | 64 | .4 | 1 | 3 | 312 | 1.23 | 2 | 5 | ND | 5 | 52 | .2 | 2 | 2 | 3 | .37 | .017 | 18 | 71 | .41 | 286 | .02 | 4 | .58 | .02 | .17 | 1 |
| 90R30 285-290 | 5 | 5 | 15 | 49 | .2 | 1 | 2 | 270 | .93 | 4 | 5 | ND | 4 | 63 | .2 | 2 | 2 | 2 | .46 | .016 | 14 | 60 | .44 | 198 | .01 | 2 | .53 | .01 | .12 | 1 |
| 90R30 290-295 | 7 | 6 | 13 | 59 | .1 | 4 | 2 | 260 | 1.12 | 5 | 5 | ND | 4 | 47 | .7 | 2 | 2 | 4 | .35 | .021 | 15 | 83 | .51 | 275 | .01 | 4 | .62 | .02 | .13 | 1 |
| 90R30 295-300 | 5 | 2 | 9 | 37 | .1 | 3 | 2 | 244 | .77 | 2 | 5 | ND | 3 | 102 | .5 | 2 | 2 | 2 | .72 | .011 | 9 | 59 | .40 | 273 | .01 | 2 | .43 | .01 | .12 | 1 |
| 90R30 300-305 | 12 | 4 | 20 | 46 | .3 | 2 | 2 | 286 | .87 | 4 | 5 | ND | 3 | 108 | .2 | 2 | 2 | 2 | .92 | .010 | 11 | 111 | .63 | 202 | .01 | 3 | .50 | .01 | .14 | 1 |
| 90R30 305-310 | 6 | 5 | 14 | 62 | .1 | 2 | 4 | 358 | 1.66 | 2 | 5 | ND | 3 | 67 | .2 | 2 | 2 | 6 | .65 | .025 | 15 | 61 | .70 | 167 | .01 | 4 | .83 | .01 | .13 | 1 |
| 90R30 310-315 | 6 | 12 | 11 | 107 | .4 | 2 | 4 | 394 | 2.10 | 2 | 5 | ND | 3 | 52 | .6 | 2 | 2 | 10 | .51 | .033 | 20 | 62 | .60 | 198 | .04 | 4 | .84 | .03 | .16 | 1 |
| 90R30 315-320 | 6 | 12 | 8 | 103 | .4 | 1 | 4 | 467 | 2.08 | 3 | 5 | ND | 3 | 53 | .6 | 2 | 2 | 10 | .57 | .036 | 19 | 67 | .45 | 188 | .03 | 3 | .80 | .03 | .11 | 1 |
| 90R30 320-325 | 6 | 5 | 33 | 63 | .3 | 2 | 4 | 368 | 1.66 | 3 | 5 | ND | 3 | 68 | .2 | 2 | 2 | 5 | .71 | .037 | 13 | 70 | .28 | 189 | .02 | 4 | .53 | .03 | .14 | 1 |
| 90R30 325-330 | 5 | 14 | 20 | 71 | .2 | 1 | 4 | 422 | 1.76 | 2 | 5 | ND | 3 | 68 | .5 | 2 | 2 | 7 | .74 | .037 | 16 | 47 | .33 | 178 | .03 | 2 | .67 | .02 | .13 | 1 |
| 90R30 330-335 | 5 | 8 | 7 | 61 | .4 | 2 | 4 | 330 | 1.73 | 5 | 5 | ND | 3 | 46 | .3 | 2 | 2 | 8 | .52 | .036 | 16 | 43 | .31 | 152 | .01 | 3 | .60 | .03 | .10 | 1 |
| 90R30 335-340 | 4 | 5 | 10 | 61 | .2 | 2 | 5 | 338 | 1.91 | 3 | 5 | ND | 3 | 33 | .2 | 2 | 2 | 10 | .36 | .037 | 18 | 49 | .40 | 173 | .01 | 2 | .79 | .02 | .10 | 1 |
| 90R30 340-345 | 5 | 5 | 8 | 72 | .1 | 1 | 4 | 344 | 1.97 | 2 | 5 | ND | 3 | 27 | .2 | 2 | 2 | 8 | .28 | .040 | 20 | 50 | .46 | 163 | .01 | 4 | .86 | .02 | .10 | 1 |
| 90R30 345-350 | 6 | 9 | 3 | 76 | .3 | 1 | 4 | 382 | 2.01 | 2 | 5 | ND | 3 | 30 | .2 | 2 | 2 | 8 | .38 | .038 | 19 | 61 | .45 | 240 | .01 | 2 | .85 | .02 | .10 | 1 |
| 90R30 350-355 | 9 | 7 | 10 | 62 | .3 | 2 | 3 | 289 | 1.71 | 2 | 5 | ND | 3 | 34 | .2 | 2 | 2 | 10 | .31 | .029 | 16 | 81 | .40 | 229 | .01 | 3 | .73 | .03 | .10 | 1 |
| 90R30 355-360 | 5 | 10 | 5 | 67 | .4 | 2 | 4 | 375 | 1.98 | 6 | 5 | ND | 3 | 57 | .2 | 2 | 2 | 8 | .62 | .036 | 18 | 49 | .42 | 332 | .01 | 2 | .70 | .02 | .09 | 1 |
| STANDARD C | 19 | 62 | 38 | 133 | 7.4 | 72 | 32 | 1050 | 4.00 | 41 | 18 | 7 | 36 | 52 | 18.9 | 15 | 21 | 57 | .49 | .096 | 37 | 61 | .87 | 179 | .07 | 34 | 1.89 | .06 | .13 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R30 360-365 | 3 | 6 | 2 | 70 | .1 | 1 | 3 | 480 | 2.05 | 7 | 5 | ND | 3 | 85 | .3 | 2 | 3 | 8 | .84 | .037 | 16 | 31 | .49 | 138 | .01 | 3 | .74 | .01 | .07 | 1 |
| 90R30 365-370 | 7 | 8 | 2 | 64 | .2 | 1 | 4 | 465 | 2.05 | 17 | 5 | ND | 3 | 69 | .2 | 2 | 2 | 7 | .83 | .037 | 17 | 70 | .38 | 181 | .01 | 5 | .73 | .02 | .11 | 1 |
| 90R30 370-375 | 22 | 11 | 12 | 67 | .1 | 3 | 4 | 401 | 2.08 | 7 | 5 | ND | 3 | 56 | .2 | 2 | 2 | 8 | .66 | .036 | 18 | 254 | .40 | 265 | .02 | 4 | .78 | .02 | .12 | 1 |
| 90R30 375-380 | 7 | 5 | 2 | 64 | .1 | 1 | 3 | 461 | 2.02 | 6 | 5 | ND | 3 | 58 | .3 | 2 | 2 | 8 | .65 | .041 | 20 | 80 | .37 | 237 | .01 | 4 | .78 | .02 | .13 | 1 |
| 90R30 380-385 | 6 | 6 | 9 | 71 | .1 | 1 | 3 | 478 | 2.08 | 7 | 5 | ND | 3 | 37 | .2 | 2 | 2 | 7 | .49 | .038 | 18 | 67 | .41 | 142 | .01 | 6 | .83 | .02 | .11 | 1 |
| 90R30 385-390 | 5 | 5 | 8 | 82 | .1 | 1 | 3 | 410 | 1.97 | 3 | 5 | ND | 3 | 61 | .2 | 2 | 2 | 9 | .66 | .038 | 19 | 56 | .31 | 267 | .02 | 6 | .70 | .02 | .12 | 1 |
| 90R30 390-395 | 5 | 4 | 11 | 72 | .1 | 1 | 3 | 425 | 1.85 | 3 | 5 | ND | 4 | 100 | .2 | 2 | 2 | 7 | 1.16 | .039 | 19 | 50 | .26 | 426 | .02 | 5 | .65 | .02 | .17 | 1 |
| 90R30 395-400 | 5 | 4 | 10 | 80 | .1 | 2 | 3 | 469 | 1.97 | 4 | 5 | ND | 3 | 107 | .2 | 2 | 2 | 7 | 1.16 | .037 | 20 | 61 | .34 | 236 | .04 | 6 | .65 | .02 | .15 | 1 |
| 90R30 400-405 | 3 | 3 | 10 | 69 | .1 | 2 | 4 | 441 | 1.95 | 3 | 5 | ND | 3 | 95 | .2 | 2 | 2 | 6 | 1.12 | .035 | 18 | 34 | .44 | 209 | .03 | 4 | .72 | .01 | .11 | 1 |
| 90R30 405-410 | 8 | 8 | 12 | 81 | .1 | 1 | 4 | 474 | 2.35 | 2 | 5 | ND | 4 | 95 | .2 | 2 | 2 | 7 | 1.00 | .046 | 21 | 78 | .48 | 261 | .01 | 6 | .87 | .02 | .15 | 1 |
| 90R30 410-415 | 5 | 5 | 14 | 70 | .1 | 1 | 4 | 468 | 1.90 | 5 | 5 | ND | 3 | 133 | .2 | 2 | 3 | 6 | 1.06 | .034 | 15 | 43 | .70 | 213 | .02 | 7 | .77 | .01 | .13 | 1 |
| 90R30 415-420 | 7 | 4 | 13 | 72 | .3 | 1 | 1 | 144 | 1.09 | 4 | 5 | ND | 6 | 47 | .2 | 2 | 2 | 2 | .38 | .015 | 13 | 67 | .96 | 241 | .01 | 8 | .82 | .01 | .13 | 1 |
| 90R30 420-425 | 6 | 3 | 16 | 76 | .2 | 1 | 2 | 223 | .90 | 2 | 5 | ND | 6 | 70 | .6 | 3 | 2 | 1 | .43 | .006 | 13 | 76 | .92 | 1105 | .01 | 4 | .81 | .01 | .14 | 1 |
| 90R30 425-430 | 8 | 3 | 17 | 65 | .4 | 1 | 1 | 182 | .66 | 3 | 5 | ND | 5 | 35 | .5 | 2 | 2 | 1 | .35 | .005 | 11 | 81 | .59 | 390 | .01 | 6 | .58 | .01 | .14 | 1 |
| 90R30 430-435 | 9 | 3 | 37 | 106 | .5 | 1 | 1 | 87 | .71 | 4 | 5 | ND | 4 | 13 | 1.5 | 2 | 2 | 1 | .08 | .005 | 9 | 113 | .46 | 162 | .01 | 6 | .48 | .01 | .11 | 1 |
| 90R30 435-440 | 7 | 3 | 12 | 80 | .3 | 1 | 1 | 144 | .93 | 3 | 5 | ND | 5 | 53 | .2 | 2 | 2 | 1 | .33 | .008 | 19 | 74 | .96 | 568 | .01 | 7 | .83 | .01 | .11 | 1 |
| 90R30 440-445 | 11 | 4 | 15 | 63 | .3 | 1 | 1 | 219 | .89 | 3 | 5 | ND | 5 | 73 | .9 | 2 | 2 | 1 | .62 | .007 | 17 | 76 | .77 | 358 | .01 | 7 | .70 | .01 | .11 | 1 |
| 90R30 445-450 | 11 | 7 | 14 | 73 | .6 | 2 | 4 | 210 | 1.44 | 6 | 5 | ND | 3 | 66 | .2 | 2 | 2 | 2 | .60 | .019 | 8 | 80 | .51 | 166 | .01 | 2 | .55 | .01 | .12 | 1 |
| 90R30 450-455 | 8 | 6 | 20 | 76 | .5 | 2 | 3 | 328 | 1.60 | 3 | 5 | ND | 4 | 96 | .2 | 2 | 2 | 3 | .84 | .023 | 12 | 69 | .59 | 252 | .01 | 7 | .69 | .01 | .13 | 1 |
| 90R30 455-460 | 6 | 6 | 7 | 89 | .2 | 1 | 3 | 390 | 1.47 | 4 | 5 | ND | 4 | 102 | .7 | 2 | 2 | 3 | .90 | .027 | 15 | 58 | .65 | 241 | .01 | 4 | .72 | .01 | .13 | 1 |
| 90R30 460-465 | 8 | 5 | 24 | 72 | .3 | 2 | 3 | 336 | 1.40 | 2 | 5 | ND | 4 | 84 | .6 | 2 | 2 | 3 | .72 | .023 | 16 | 84 | .66 | 301 | .01 | 5 | .77 | .01 | .15 | 1 |
| 90R30 465-470 | 6 | 5 | 10 | 58 | .5 | 1 | 1 | 292 | 1.24 | 3 | 5 | ND | 4 | 89 | .3 | 2 | 2 | 2 | .71 | .020 | 14 | 60 | .70 | 257 | .01 | 4 | .70 | .01 | .12 | 1 |
| 90R30 470-475 | 5 | 4 | 20 | 65 | .3 | 1 | 1 | 264 | 1.08 | 4 | 5 | ND | 5 | 97 | .5 | 3 | 2 | 2 | .68 | .013 | 15 | 51 | .86 | 354 | .01 | 4 | .77 | .01 | .11 | 1 |
| 90R30 475-480 | 5 | 3 | 11 | 70 | .3 | 1 | 1 | 161 | .81 | 2 | 5 | ND | 5 | 74 | .2 | 2 | 2 | 1 | .39 | .006 | 15 | 52 | .89 | 246 | .01 | 6 | .74 | .01 | .11 | 1 |
| 90R30 480-485 | 5 | 2 | 25 | 55 | .3 | 1 | 1 | 164 | .76 | 3 | 5 | ND | 5 | 49 | .3 | 2 | 3 | 1 | .31 | .007 | 18 | 45 | .65 | 215 | .01 | 6 | .61 | .01 | .11 | 1 |
| 90R30 485-490 | 5 | 4 | 24 | 52 | .3 | 1 | 1 | 170 | .65 | 2 | 5 | ND | 6 | 62 | 1.8 | 2 | 2 | 1 | .39 | .007 | 17 | 49 | .51 | 217 | .01 | 2 | .50 | .01 | .12 | 1 |
| STANDARD C | 19 | 61 | 38 | 131 | 7.3 | 73 | 31 | 1044 | 3.98 | 41 | 18 | 7 | 36 | 52 | 18.4 | 14 | 21 | 56 | .45 | .096 | 36 | 59 | .86 | 179 | .07 | 34 | 1.92 | .06 | .13 | 12 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R31 0-5 | 7 | 15 | 20 | 50 | .3 | 10 | 4 | 339 | 1.42 | 13 | 5 | ND | 8 | 20 | .3 | 2 | 2 | 7 | .20 | .029 | 17 | 71 | .27 | 454 | .02 | 2 | .58 | .02 | .16 | 1 |
| 90R31 5-10 | 4 | 13 | 11 | 52 | .2 | 7 | 4 | 299 | 1.61 | 4 | 5 | ND | 6 | 24 | .3 | 2 | 2 | 9 | .25 | .034 | 15 | 31 | .27 | 328 | .05 | 2 | .66 | .02 | .12 | 1 |
| 90R31 10-15 | 4 | 8 | 9 | 53 | .1 | 5 | 3 | 222 | 1.74 | 7 | 5 | ND | 6 | 24 | .2 | 2 | 2 | 7 | .19 | .030 | 13 | 31 | .30 | 492 | .02 | 2 | .70 | .02 | .13 | 1 |
| 90R31 15-20 | 5 | 12 | 12 | 54 | .2 | 5 | 3 | 216 | 1.93 | 12 | 5 | ND | 7 | 31 | .2 | 2 | 2 | 9 | .39 | .033 | 17 | 48 | .35 | 371 | .01 | 2 | .80 | .03 | .15 | 1 |
| 90R31 20-25 | 4 | 15 | 13 | 58 | .3 | 6 | 4 | 212 | 2.12 | 12 | 5 | ND | 7 | 25 | .2 | 2 | 2 | 7 | .28 | .031 | 15 | 34 | .35 | 387 | .01 | 2 | .83 | .02 | .15 | 1 |
| 90R31 25-30 | 5 | 10 | 6 | 55 | .1 | 4 | 4 | 228 | 1.88 | 14 | 5 | ND | 7 | 36 | .2 | 2 | 2 | 5 | .51 | .024 | 20 | 47 | .32 | 390 | .02 | 2 | .89 | .04 | .24 | 1 |
| 90R31 30-35 | 4 | 11 | 10 | 45 | .2 | 4 | 3 | 196 | 1.35 | 8 | 5 | ND | 5 | 40 | .2 | 2 | 2 | 3 | .60 | .021 | 11 | 42 | .32 | 246 | .02 | 2 | .68 | .03 | .15 | 5 |
| 90R31 35-40 | 6 | 10 | 10 | 61 | .1 | 5 | 2 | 231 | 1.19 | 9 | 5 | ND | 3 | 93 | .2 | 2 | 2 | 4 | 1.42 | .021 | 9 | 59 | .32 | 213 | .01 | 2 | .67 | .03 | .13 | 5 |
| 90R31 40-45 | 6 | 9 | 10 | 65 | .2 | 6 | 3 | 229 | 1.41 | 11 | 5 | ND | 3 | 57 | .2 | 2 | 2 | 3 | 1.13 | .023 | 4 | 63 | .46 | 227 | .04 | 3 | .73 | .02 | .13 | 6 |
| 90R31 45-50 | 5 | 8 | 7 | 55 | .2 | 5 | 3 | 220 | 1.10 | 6 | 5 | ND | 2 | 40 | .2 | 2 | 2 | 3 | 1.08 | .023 | 4 | 50 | .32 | 197 | .03 | 4 | .60 | .02 | .12 | 7 |
| 90R31 50-55 | 4 | 7 | 7 | 64 | .1 | 5 | 3 | 313 | 1.65 | 13 | 5 | ND | 4 | 34 | .2 | 2 | 2 | 3 | 1.13 | .024 | 6 | 48 | .51 | 304 | .03 | 2 | .81 | .02 | .19 | 1 |
| 90R31 55-60 | 6 | 10 | 13 | 65 | .2 | 8 | 4 | 309 | 1.62 | 22 | 5 | ND | 7 | 57 | .7 | 2 | 2 | 4 | 1.52 | .025 | 15 | 55 | .37 | 328 | .01 | 2 | .78 | .01 | .21 | 1 |
| 90R31 60-65 | 5 | 7 | 36 | 71 | .5 | 6 | 4 | 351 | 1.78 | 114 | 5 | ND | 6 | 133 | .6 | 2 | 2 | 3 | 2.64 | .030 | 10 | 50 | .35 | 216 | .01 | 2 | .62 | .01 | .20 | 1 |
| 90R31 65-70 | 3 | 9 | 11 | 77 | .1 | 5 | 4 | 313 | 2.22 | 12 | 5 | ND | 6 | 95 | .2 | 2 | 2 | 6 | 2.09 | .041 | 11 | 36 | .53 | 261 | .02 | 2 | .95 | .02 | .22 | 1 |
| 90R31 70-75 | 4 | 7 | 4 | 76 | .1 | 6 | 6 | 244 | 2.10 | 2 | 5 | ND | 3 | 49 | .2 | 2 | 2 | 7 | 1.08 | .041 | 5 | 40 | .59 | 273 | .06 | 2 | .88 | .04 | .19 | 1 |
| 90R31 75-80 | 4 | 8 | 5 | 78 | .1 | 5 | 5 | 288 | 2.10 | 15 | 5 | ND | 2 | 55 | .2 | 2 | 2 | 6 | 1.31 | .040 | 5 | 37 | .71 | 295 | .04 | 2 | .96 | .03 | .18 | 1 |
| 90R31 80-85 | 4 | 6 | 4 | 82 | .1 | 6 | 5 | 267 | 2.17 | 24 | 5 | ND | 2 | 53 | .2 | 2 | 2 | 7 | 1.04 | .039 | 5 | 33 | .66 | 256 | .02 | 2 | .91 | .02 | .15 | 1 |
| 90R31 85-90 | 5 | 9 | 3 | 88 | .1 | 7 | 5 | 287 | 2.01 | 16 | 5 | ND | 3 | 63 | .2 | 3 | 2 | 7 | 1.28 | .039 | 6 | 47 | .68 | 356 | .03 | 2 | 1.03 | .03 | .21 | 1 |
| 90R31 90-95 | 4 | 7 | 7 | 72 | .1 | 5 | 4 | 291 | 1.76 | 3 | 5 | ND | 2 | 62 | .2 | 2 | 2 | 6 | 1.70 | .041 | 4 | 37 | .71 | 255 | .04 | 2 | .90 | .02 | .16 | 1 |
| 90R31 95-100 | 3 | 8 | 7 | 83 | .1 | 7 | 4 | 301 | 2.11 | 9 | 5 | ND | 4 | 113 | .2 | 2 | 2 | 7 | 2.40 | .040 | 8 | 29 | .94 | 294 | .02 | 2 | 1.32 | .02 | .17 | 1 |
| 90R31 100-105 | 4 | 8 | 6 | 110 | .1 | 9 | 5 | 306 | 2.50 | 8 | 5 | ND | 6 | 58 | .2 | 2 | 2 | 14 | 1.05 | .043 | 12 | 37 | 1.31 | 317 | .02 | 3 | 1.77 | .04 | .19 | 1 |
| 90R31 105-110 | 3 | 8 | 11 | 103 | .1 | 7 | 4 | 288 | 2.23 | 5 | 5 | ND | 6 | 93 | .2 | 2 | 2 | 10 | 1.89 | .041 | 8 | 25 | 1.10 | 304 | .03 | 2 | 1.52 | .03 | .18 | 1 |
| 90R31 110-115 | 4 | 7 | 6 | 82 | .1 | 7 | 4 | 239 | 1.95 | 2 | 5 | ND | 5 | 67 | .2 | 2 | 2 | 8 | 1.17 | .036 | 7 | 33 | 1.04 | 385 | .05 | 3 | 1.45 | .03 | .20 | 1 |
| 90R31 115-120 | 6 | 9 | 6 | 76 | .1 | 6 | 4 | 336 | 1.92 | 2 | 5 | ND | 6 | 122 | .2 | 2 | 2 | 11 | 1.89 | .040 | 20 | 36 | .59 | 249 | .02 | 2 | 1.20 | .04 | .22 | 1 |
| 90R31 120-125 | 5 | 11 | 11 | 77 | .1 | 7 | 4 | 270 | 1.82 | 2 | 5 | ND | 6 | 91 | .2 | 2 | 2 | 9 | 1.40 | .036 | 17 | 45 | .60 | 320 | .01 | 2 | 1.07 | .04 | .20 | 1 |
| 90R31 125-130 | 6 | 11 | 7 | 74 | .1 | 6 | 4 | 304 | 1.99 | 5 | 5 | ND | 6 | 87 | .2 | 2 | 2 | 12 | 1.32 | .041 | 19 | 56 | .57 | 345 | .02 | 2 | 1.30 | .07 | .26 | 1 |
| 90R31 130-135 | 4 | 8 | 11 | 70 | .1 | 4 | 4 | 397 | 2.13 | 9 | 5 | ND | 6 | 129 | .2 | 2 | 2 | 10 | 2.27 | .043 | 19 | 36 | .45 | 294 | .02 | 4 | 1.12 | .04 | .26 | 1 |
| 90R31 135-140 | 6 | 11 | 24 | 90 | .1 | 5 | 3 | 393 | 1.90 | 4 | 5 | ND | 6 | 155 | .4 | 2 | 2 | 10 | 2.76 | .033 | 19 | 26 | .34 | 153 | .01 | 2 | .74 | .02 | .23 | 2 |
| 90R31 140-145 | 4 | 11 | 11 | 71 | .1 | 6 | 3 | 291 | 1.86 | 4 | 5 | ND | 7 | 121 | .2 | 2 | 2 | 8 | 2.00 | .031 | 22 | 35 | .54 | 203 | .01 | 2 | .93 | .02 | .21 | 1 |
| 90R31 145-150 | 2 | 9 | 5 | 64 | .1 | 6 | 4 | 334 | 2.01 | 2 | 5 | ND | 7 | 155 | .2 | 2 | 2 | 11 | 2.52 | .039 | 23 | 25 | .66 | 231 | .01 | 3 | 1.09 | .02 | .22 | 1 |
| 90R31 150-155 | 5 | 10 | 4 | 66 | .1 | 4 | 5 | 472 | 2.19 | 22 | 5 | ND | 6 | 127 | .2 | 2 | 2 | 19 | 2.06 | .042 | 19 | 40 | .42 | 134 | .01 | 2 | .83 | .05 | .16 | 1 |
| 90R31 155-160 | 3 | 16 | 8 | 78 | .1 | 3 | 4 | 540 | 2.33 | 27 | 5 | ND | 5 | 214 | .2 | 2 | 2 | 18 | 3.37 | .042 | 18 | 23 | .42 | 186 | .01 | 2 | .87 | .03 | .19 | 1 |
| 90R31 160-165 | 3 | 11 | 7 | 73 | .1 | 4 | 5 | 476 | 2.04 | 45 | 5 | ND | 5 | 186 | .3 | 2 | 2 | 16 | 3.07 | .040 | 18 | 24 | .42 | 306 | .01 | 2 | .80 | .02 | .16 | 1 |
| 90R31 165-170 | 3 | 16 | 7 | 74 | .1 | 4 | 5 | 355 | 2.13 | 42 | 5 | ND | 5 | 111 | .4 | 2 | 2 | 15 | 1.68 | .043 | 18 | 32 | .43 | 482 | .01 | 2 | .89 | .03 | .22 | 1 |
| 90R31 170-175 | 3 | 10 | 8 | 77 | .1 | 4 | 5 | 460 | 2.13 | 61 | 5 | ND | 5 | 165 | .2 | 2 | 2 | 16 | 2.85 | .039 | 18 | 27 | .44 | 327 | .01 | 2 | .87 | .02 | .21 | 1 |
| 90R31 175-180 | 3 | 12 | 5 | 68 | .1 | 4 | 5 | 483 | 2.39 | 10 | 5 | ND | 6 | 146 | .2 | 2 | 2 | 17 | 2.21 | .042 | 20 | 28 | .47 | 565 | .01 | 2 | .97 | .03 | .17 | 1 |
| STANDARD C | 20 | 62 | 39 | 134 | 7.1 | 72 | 31 | 1057 | 3.97 | 42 | 21 | 7 | 39 | 52 | 20.0 | 16 | 20 | 59 | .47 | .094 | 39 | 61 | .87 | 181 | .08 | 34 | 1.90 | .06 | .13 | 12 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R31 180-185 | 3 | 9 | 5 | 56 | .1 | 4 | 5 | 608 | 1.90 | 6 | 5 | ND | 3 | 108 | .4 | 2 | 2 | 12 | 2.22 | .042 | 19 | 42 | .39 | 333 | .01 | 2 | .94 | .01 | .21 | 1 |
| 90R31 185-190 | 3 | 9 | 17 | 38 | .1 | 4 | 3 | 441 | 1.14 | 6 | 5 | ND | 6 | 129 | .2 | 2 | 2 | 6 | 3.14 | .022 | 24 | 30 | .23 | 429 | .01 | 2 | .62 | .01 | .14 | 1 |
| 90R31 190-195 | 4 | 7 | 9 | 34 | .1 | 3 | 3 | 289 | 1.00 | 2 | 5 | ND | 6 | 119 | .2 | 2 | 2 | 6 | 2.05 | .023 | 27 | 40 | .24 | 1087 | .01 | 2 | .64 | .01 | .15 | 1 |
| 90R31 195-200 | 3 | 16 | 12 | 81 | .3 | 5 | 5 | 384 | 1.75 | 2 | 5 | ND | 3 | 110 | .8 | 3 | 2 | 17 | 2.08 | .040 | 18 | 40 | .52 | 247 | .01 | 2 | .86 | .02 | .18 | 1 |
| 90R31 200-205 | 6 | 8 | 9 | 71 | .3 | 4 | 6 | 265 | 1.69 | 2 | 5 | ND | 2 | 98 | .6 | 2 | 2 | 18 | 1.24 | .049 | 10 | 78 | .47 | 349 | .04 | 4 | .94 | .03 | .21 | 2 |
| 90R31 205-210 | 3 | 10 | 4 | 75 | .3 | 4 | 6 | 304 | 1.75 | 2 | 5 | ND | 3 | 106 | .8 | 3 | 2 | 22 | 1.95 | .044 | 17 | 47 | .45 | 144 | .02 | 2 | .83 | .02 | .12 | 1 |
| 90R31 210-215 | 3 | 8 | 7 | 66 | .2 | 4 | 5 | 335 | 1.47 | 4 | 5 | ND | 3 | 109 | .7 | 2 | 2 | 14 | 2.03 | .038 | 14 | 37 | .42 | 382 | .02 | 2 | .77 | .02 | .12 | 1 |
| 90R31 215-220 | 4 | 6 | 7 | 61 | .1 | 5 | 5 | 215 | 1.29 | 2 | 5 | ND | 1 | 82 | .2 | 2 | 2 | 11 | 1.14 | .038 | 4 | 44 | .54 | 366 | .07 | 2 | .83 | .01 | .16 | 1 |
| 90R31 220-225 | 5 | 6 | 11 | 67 | .1 | 5 | 5 | 266 | 1.59 | 2 | 5 | ND | 2 | 78 | .4 | 3 | 2 | 14 | 1.50 | .039 | 9 | 74 | .60 | 302 | .06 | 2 | 1.09 | .02 | .22 | 1 |
| 90R31 225-230 | 4 | 8 | 6 | 56 | .1 | 5 | 5 | 198 | 1.25 | 3 | 5 | ND | 1 | 74 | .8 | 2 | 2 | 11 | 1.37 | .037 | 6 | 46 | .51 | 324 | .06 | 2 | .79 | .01 | .17 | 1 |
| 90R31 230-235 | 4 | 8 | 7 | 58 | .1 | 4 | 4 | 176 | 1.32 | 5 | 5 | ND | 1 | 67 | .2 | 2 | 2 | 11 | 1.08 | .039 | 5 | 54 | .59 | 307 | .06 | 2 | .78 | .01 | .17 | 1 |
| 90R31 235-240 | 3 | 8 | 6 | 62 | .2 | 4 | 5 | 182 | 1.42 | 12 | 5 | ND | 1 | 70 | .3 | 2 | 2 | 11 | 1.16 | .042 | 5 | 48 | .59 | 294 | .04 | 3 | .85 | .01 | .15 | 1 |
| 90R31 240-245 | 3 | 7 | 22 | 59 | .1 | 3 | 6 | 290 | 1.33 | 13 | 5 | ND | 2 | 108 | .4 | 2 | 2 | 9 | 2.13 | .037 | 13 | 35 | .42 | 397 | .02 | 2 | .71 | .01 | .11 | 1 |
| 90R31 245-250 | 4 | 9 | 12 | 73 | .2 | 3 | 5 | 245 | 1.48 | 2 | 5 | ND | 1 | 87 | .5 | 2 | 2 | 15 | 1.39 | .046 | 6 | 48 | .55 | 218 | .09 | 3 | .91 | .02 | .10 | 1 |
| 90R31 250-255 | 4 | 11 | 5 | 74 | .3 | 5 | 6 | 289 | 1.59 | 3 | 5 | ND | 2 | 106 | .8 | 2 | 2 | 14 | 1.97 | .047 | 8 | 42 | .50 | 267 | .07 | 3 | .88 | .01 | .12 | 2 |
| 90R31 255-260 | 4 | 9 | 3 | 59 | .3 | 4 | 5 | 258 | 1.39 | 2 | 5 | ND | 1 | 68 | .2 | 3 | 2 | 13 | 1.29 | .040 | 7 | 39 | .47 | 234 | .08 | 2 | .89 | .01 | .11 | 1 |
| 90R31 260-265 | 19 | 13 | 8 | 57 | .3 | 5 | 5 | 340 | 1.50 | 3 | 5 | ND | 2 | 87 | .2 | 2 | 2 | 18 | 1.83 | .040 | 11 | 46 | .47 | 243 | .07 | 2 | .94 | .02 | .11 | 2 |
| 90R31 265-270 | 17 | 11 | 11 | 51 | .3 | 3 | 4 | 282 | 1.30 | 10 | 5 | ND | 3 | 68 | .4 | 3 | 2 | 12 | 1.50 | .037 | 16 | 32 | .32 | 141 | .03 | 2 | .68 | .01 | .12 | 2 |
| 90R31 270-275 | 7 | 9 | 63 | 107 | .4 | 3 | 3 | 302 | 1.05 | 8 | 5 | ND | 4 | 126 | 1.0 | 2 | 2 | 8 | 2.42 | .021 | 18 | 38 | .19 | 385 | .01 | 2 | .50 | .01 | .13 | 1 |
| 90R31 275-280 | 9 | 7 | 20 | 58 | .1 | 3 | 4 | 241 | .98 | 6 | 5 | ND | 2 | 82 | .2 | 2 | 2 | 10 | 1.49 | .033 | 10 | 44 | .29 | 217 | .05 | 2 | .63 | .01 | .09 | 1 |
| 90R31 280-285 | 5 | 10 | 69 | 101 | .3 | 3 | 4 | 278 | 1.13 | 4 | 5 | ND | 4 | 84 | .9 | 2 | 2 | 10 | 1.61 | .029 | 16 | 33 | .28 | 209 | .02 | 2 | .64 | .01 | .11 | 1 |
| 90R31 285-290 | 4 | 8 | 17 | 87 | .2 | 2 | 3 | 231 | .93 | 5 | 5 | ND | 2 | 78 | .2 | 2 | 2 | 8 | 1.41 | .026 | 10 | 43 | .25 | 185 | .03 | 2 | .51 | .01 | .10 | 1 |
| 90R31 290-295 | 6 | 6 | 10 | 53 | .1 | 3 | 4 | 230 | 1.03 | 5 | 5 | ND | 2 | 77 | .2 | 3 | 2 | 9 | 1.31 | .032 | 9 | 58 | .31 | 306 | .05 | 2 | .61 | .01 | .12 | 1 |
| 90R31 295-300 | 4 | 6 | 8 | 58 | .1 | 3 | 4 | 261 | 1.26 | 6 | 5 | ND | 2 | 124 | .5 | 2 | 2 | 9 | 2.03 | .032 | 10 | 38 | .35 | 214 | .03 | 2 | .61 | .01 | .11 | 1 |
| STANDARD C | 17 | 62 | 37 | 133 | 7.5 | 72 | 32 | 1053 | 3.97 | 43 | 15 | 7 | 35 | 51 | 18.5 | 15 | 19 | 59 | .50 | .096 | 37 | 61 | .86 | 182 | .07 | 38 | 1.89 | .06 | .14 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R32 0-5 | 5 | 11 | 14 | 51 | .1 | 11 | 6 | 464 | 1.58 | 11 | 5 | ND | 6 | 14 | .2 | 2 | 2 | 15 | .21 | .034 | 17 | 62 | .33 | 297 | .03 | 5 | .78 | .01 | .15 | 1 |
| 90R32 5-10 | 3 | 10 | 14 | 75 | .1 | 8 | 4 | 464 | 1.65 | 8 | 5 | ND | 6 | 11 | .3 | 2 | 2 | 9 | .19 | .045 | 17 | 35 | .30 | 277 | .01 | 5 | .79 | .01 | .17 | 1 |
| 90R32 10-15 | 2 | 4 | 9 | 58 | .1 | 6 | 4 | 592 | 1.19 | 4 | 5 | ND | 6 | 10 | .2 | 2 | 2 | 5 | .16 | .043 | 15 | 25 | .24 | 319 | .01 | 3 | .60 | .01 | .15 | 1 |
| 90R32 15-20 | 4 | 6 | 11 | 66 | .1 | 7 | 4 | 530 | 1.43 | 6 | 5 | ND | 6 | 9 | .2 | 2 | 2 | 8 | .17 | .041 | 19 | 40 | .26 | 282 | .01 | 3 | .72 | .01 | .18 | 1 |
| 90R32 20-25 | 4 | 7 | 11 | 70 | .2 | 5 | 5 | 395 | 1.61 | 6 | 5 | ND | 5 | 10 | .3 | 2 | 2 | 8 | .19 | .046 | 16 | 45 | .27 | 279 | .02 | 4 | .78 | .02 | .21 | 1 |
| 90R32 25-30 | 3 | 6 | 9 | 66 | .2 | 6 | 5 | 438 | 1.57 | 4 | 5 | ND | 5 | 11 | .2 | 2 | 2 | 7 | .19 | .045 | 21 | 53 | .30 | 337 | .01 | 5 | .85 | .02 | .22 | 1 |
| 90R32 30-35 | 7 | 9 | 8 | 60 | .3 | 5 | 4 | 177 | 1.57 | 6 | 5 | ND | 7 | 21 | .2 | 2 | 2 | 5 | .13 | .045 | 22 | 48 | .31 | 250 | .01 | 5 | .70 | .01 | .20 | 1 |
| 90R32 35-40 | 7 | 5 | 4 | 48 | .2 | 4 | 4 | 177 | 1.42 | 3 | 5 | ND | 4 | 15 | .2 | 2 | 2 | 7 | .19 | .042 | 15 | 76 | .27 | 208 | .01 | 5 | .64 | .02 | .19 | 2 |
| 90R32 40-45 | 4 | 4 | 2 | 52 | .2 | 3 | 5 | 207 | 1.70 | 3 | 5 | ND | 5 | 12 | .2 | 2 | 2 | 9 | .20 | .048 | 15 | 47 | .35 | 241 | .01 | 7 | .73 | .02 | .23 | 1 |
| 90R32 45-50 | 4 | 4 | 5 | 49 | .2 | 3 | 4 | 198 | 1.51 | 3 | 5 | ND | 5 | 12 | .2 | 2 | 2 | 6 | .19 | .048 | 18 | 39 | .27 | 219 | .01 | 6 | .69 | .01 | .20 | 1 |
| 90R32 50-55 | 7 | 31 | 53 | 46 | .6 | 5 | 3 | 180 | 1.35 | 5 | 7 | ND | 6 | 10 | .3 | 2 | 2 | 6 | .10 | .034 | 21 | 62 | .11 | 217 | .01 | 4 | .57 | .01 | .15 | 2 |
| 90R32 55-60 | 5 | 25 | 25 | 51 | .6 | 3 | 3 | 116 | 1.25 | 4 | 5 | ND | 5 | 13 | .2 | 2 | 2 | 4 | .15 | .044 | 17 | 55 | .18 | 405 | .01 | 5 | .60 | .01 | .22 | 1 |
| 90R32 60-65 | 5 | 6 | 17 | 55 | .2 | 4 | 3 | 130 | 1.36 | 5 | 5 | ND | 5 | 13 | .2 | 2 | 2 | 5 | .16 | .044 | 26 | 48 | .20 | 343 | .01 | 4 | .67 | .01 | .22 | 1 |
| 90R32 65-70 | 4 | 6 | 8 | 64 | .2 | 4 | 4 | 129 | 1.49 | 3 | 6 | ND | 5 | 12 | .2 | 2 | 2 | 5 | .17 | .045 | 18 | 39 | .23 | 273 | .01 | 5 | .68 | .01 | .20 | 1 |
| 90R32 70-75 | 3 | 4 | 5 | 56 | .2 | 3 | 3 | 107 | 1.31 | 3 | 5 | ND | 6 | 12 | .2 | 3 | 2 | 5 | .17 | .048 | 20 | 39 | .19 | 215 | .01 | 9 | .66 | .01 | .21 | 1 |
| 90R32 75-80 | 4 | 7 | 4 | 61 | .3 | 3 | 4 | 155 | 1.56 | 2 | 5 | ND | 5 | 12 | .2 | 2 | 2 | 7 | .19 | .048 | 17 | 54 | .29 | 237 | .01 | 5 | .74 | .02 | .22 | 1 |
| 90R32 80-85 | 5 | 6 | 8 | 53 | .2 | 3 | 4 | 119 | 1.38 | 3 | 5 | ND | 5 | 12 | .2 | 2 | 2 | 6 | .18 | .048 | 20 | 52 | .24 | 310 | .01 | 6 | .68 | .02 | .22 | 1 |
| 90R32 85-90 | 3 | 6 | 5 | 54 | .2 | 2 | 4 | 113 | 1.27 | 2 | 5 | ND | 5 | 11 | .2 | 2 | 2 | 5 | .18 | .049 | 19 | 36 | .23 | 205 | .01 | 5 | .64 | .01 | .21 | 1 |
| 90R32 90-95 | 4 | 8 | 7 | 58 | .2 | 4 | 3 | 99 | 1.22 | 2 | 5 | ND | 6 | 11 | .2 | 2 | 2 | 5 | .18 | .049 | 29 | 41 | .22 | 203 | .01 | 7 | .68 | .01 | .21 | 1 |
| 90R32 95-100 | 3 | 5 | 3 | 50 | .2 | 3 | 4 | 101 | 1.27 | 2 | 5 | ND | 5 | 9 | .2 | 2 | 2 | 6 | .16 | .046 | 20 | 43 | .23 | 210 | .01 | 4 | .58 | .01 | .19 | 1 |
| STANDARD C | 17 | 57 | 39 | 131 | 6.7 | 69 | 32 | 1056 | 3.95 | 40 | 21 | 7 | 36 | 52 | 18.3 | 19 | 18 | 56 | .46 | .099 | 36 | 58 | .86 | 178 | .08 | 38 | 1.88 | .06 | .13 | 13 |

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Analytical Labs. Ltd. PROJECT WO#13035 File # 90-6339 Page 1

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R33 0-5 | 5 | 10 | 19 | 45 | .1 | 9 | 5 | 185 | .93 | 7 | 5 | ND | 8 | 9 | .2 | 2 | 2 | 4 | .10 | .017 | 22 | 38 | .19 | 320 | .01 | 3 | .44 | .01 | .15 | 1 |
| 90R33 5-10 | 3 | 5 | 19 | 26 | .1 | 5 | 1 | 59 | .51 | 4 | 5 | ND | 11 | 7 | .2 | 2 | 2 | 1 | .04 | .005 | 23 | 31 | .05 | 566 | .01 | 2 | .28 | .01 | .18 | 1 |
| 90R33 10-15 | 2 | 4 | 22 | 22 | .1 | 5 | 1 | 38 | .44 | 3 | 5 | ND | 11 | 4 | .2 | 2 | 2 | 1 | .03 | .005 | 23 | 21 | .04 | 334 | .01 | 2 | .24 | .01 | .15 | 1 |
| 90R33 15-20 | 3 | 5 | 28 | 32 | .2 | 5 | 1 | 54 | .53 | 3 | 5 | ND | 12 | 6 | .2 | 2 | 2 | 1 | .05 | .006 | 39 | 29 | .05 | 413 | .01 | 2 | .32 | .01 | .16 | 1 |
| 90R33 20-25 | 2 | 4 | 18 | 30 | .1 | 1 | 1 | 34 | .39 | 3 | 5 | ND | 11 | 4 | .2 | 2 | 2 | 1 | .03 | .004 | 33 | 18 | .04 | 240 | .01 | 2 | .25 | .01 | .15 | 1 |
| 90R33 25-30 | 2 | 5 | 22 | 32 | .1 | 3 | 1 | 37 | .50 | 6 | 5 | ND | 12 | 4 | .2 | 2 | 2 | 1 | .04 | .005 | 26 | 19 | .05 | 231 | .01 | 2 | .26 | .01 | .15 | 1 |
| 90R33 30-35 | 3 | 7 | 20 | 47 | .3 | 3 | 1 | 55 | .77 | 7 | 5 | ND | 10 | 7 | .2 | 2 | 2 | 1 | .06 | .006 | 18 | 20 | .08 | 284 | .01 | 2 | .29 | .01 | .16 | 2 |
| 90R33 35-40 | 4 | 7 | 16 | 41 | .3 | 3 | 1 | 54 | .66 | 6 | 5 | ND | 11 | 9 | .2 | 2 | 2 | 1 | .05 | .005 | 22 | 30 | .08 | 395 | .01 | 2 | .34 | .02 | .21 | 2 |
| 90R33 40-45 | 3 | 5 | 17 | 35 | .3 | 3 | 1 | 58 | .59 | 6 | 5 | ND | 11 | 6 | .2 | 2 | 2 | 1 | .03 | .004 | 30 | 22 | .07 | 305 | .01 | 2 | .27 | .01 | .17 | 1 |
| 90R33 45-50 | 2 | 5 | 24 | 42 | .2 | 3 | 1 | 52 | .59 | 8 | 5 | ND | 10 | 6 | .2 | 2 | 2 | 1 | .04 | .004 | 26 | 20 | .07 | 271 | .01 | 2 | .26 | .02 | .17 | 1 |
| 90R33 50-55 | 3 | 8 | 14 | 59 | .2 | 3 | 1 | 55 | .73 | 6 | 5 | ND | 11 | 8 | .2 | 2 | 2 | 1 | .06 | .004 | 30 | 24 | .05 | 279 | .01 | 2 | .30 | .02 | .17 | 3 |
| 90R33 55-60 | 3 | 4 | 22 | 29 | .2 | 2 | 1 | 26 | .39 | 4 | 5 | ND | 11 | 7 | .2 | 2 | 2 | 1 | .04 | .004 | 35 | 24 | .02 | 373 | .01 | 2 | .24 | .02 | .15 | 1 |
| 90R33 60-65 | 3 | 6 | 22 | 39 | .2 | 4 | 1 | 38 | .54 | 5 | 5 | ND | 12 | 9 | .2 | 2 | 2 | 1 | .07 | .006 | 32 | 27 | .07 | 275 | .01 | 2 | .33 | .01 | .20 | 1 |
| 90R33 65-70 | 4 | 7 | 23 | 41 | .5 | 5 | 2 | 74 | .81 | 7 | 5 | ND | 12 | 10 | .3 | 3 | 2 | 2 | .07 | .009 | 35 | 32 | .08 | 328 | .01 | 3 | .37 | .02 | .19 | 2 |
| 90R33 70-75 | 2 | 5 | 26 | 30 | .2 | 3 | 1 | 33 | .48 | 2 | 5 | ND | 12 | 12 | .2 | 2 | 2 | 1 | .10 | .006 | 43 | 22 | .05 | 227 | .01 | 2 | .36 | .02 | .16 | 1 |
| 90R33 75-80 | 3 | 4 | 25 | 29 | .1 | 4 | 1 | 25 | .42 | 4 | 5 | ND | 11 | 7 | .2 | 2 | 2 | 1 | .04 | .003 | 29 | 31 | .04 | 253 | .01 | 2 | .25 | .02 | .17 | 2 |
| 90R33 80-85 | 2 | 3 | 13 | 33 | .1 | 2 | 1 | 46 | .51 | 7 | 5 | ND | 11 | 15 | .2 | 2 | 2 | 1 | .07 | .007 | 34 | 18 | .06 | 695 | .01 | 2 | .27 | .01 | .17 | 1 |
| 90R33 85-90 | 2 | 4 | 15 | 26 | .3 | 1 | 1 | 22 | .44 | 5 | 5 | ND | 11 | 6 | .2 | 2 | 2 | 1 | .04 | .006 | 34 | 14 | .03 | 261 | .01 | 2 | .22 | .01 | .16 | 1 |
| 90R33 90-95 | 2 | 3 | 15 | 25 | .1 | 2 | 1 | 40 | .43 | 4 | 5 | ND | 10 | 8 | .2 | 2 | 2 | 1 | .06 | .006 | 32 | 22 | .05 | 267 | .01 | 2 | .27 | .01 | .18 | 1 |
| 90R33 95-100 | 2 | 2 | 15 | 19 | .1 | 2 | 1 | 24 | .37 | 2 | 5 | ND | 10 | 6 | .2 | 2 | 2 | 1 | .04 | .005 | 30 | 19 | .03 | 316 | .01 | 2 | .21 | .01 | .15 | 1 |
| STANDARD C | 20 | 64 | 38 | 134 | 7.3 | 73 | 32 | 1064 | 3.95 | 39 | 18 | 8 | 37 | 52 | 17.0 | 14 | 21 | 58 | .47 | .096 | 39 | 60 | .88 | 185 | .09 | 36 | 1.89 | .07 | .14 | 13 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PULP

**DATE RECEIVED:** DEC 17 1990 **DATE REPORT MAILED:** Dec 19/90. **SIGNED BY** C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R34 0-5 | 4 | 11 | 15 | 70 | .1 | 5 | 3 | 173 | 1.58 | 8 | 5 | ND | 6 | 9 | .2 | 2 | 2 | 5 | .20 | .040 | 28 | 35 | .26 | 319 | .01 | 3 | .75 | .01 | .18 | 1 |
| 90R34 5-10 | 4 | 30 | 6 | 49 | 1.1 | 6 | 3 | 101 | 1.22 | 7 | 5 | ND | 6 | 12 | .2 | 2 | 2 | 4 | .16 | .041 | 19 | 41 | .22 | 599 | .01 | 3 | .58 | .01 | .18 | 1 |
| 90R34 10-15 | 4 | 8 | 14 | 52 | .1 | 5 | 3 | 99 | 1.23 | 3 | 5 | ND | 6 | 8 | 4.5 | 2 | 2 | 4 | .15 | .044 | 21 | 46 | .16 | 348 | .01 | 2 | .57 | .01 | .19 | 1 |
| 90R34 15-20 | 6 | 10 | 9 | 39 | .1 | 7 | 3 | 79 | 1.16 | 3 | 5 | ND | 6 | 6 | .2 | 2 | 2 | 4 | .14 | .042 | 18 | 62 | .14 | 257 | .01 | 2 | .50 | .01 | .20 | 1 |
| 90R34 20-25 | 4 | 8 | 13 | 71 | .1 | 4 | 4 | 144 | 1.57 | 7 | 5 | ND | 6 | 10 | .2 | 2 | 2 | 7 | .18 | .050 | 28 | 39 | .29 | 323 | .01 | 2 | .72 | .01 | .19 | 1 |
| 90R34 25-30 | 3 | 6 | 22 | 79 | .1 | 5 | 4 | 116 | 1.59 | 6 | 5 | ND | 7 | 10 | .2 | 2 | 2 | 7 | .19 | .051 | 32 | 34 | .25 | 234 | .01 | 2 | .74 | .01 | .19 | 1 |
| 90R34 30-35 | 7 | 8 | 14 | 80 | .1 | 5 | 4 | 149 | 1.74 | 4 | 5 | ND | 6 | 11 | .2 | 2 | 2 | 8 | .18 | .045 | 26 | 83 | .31 | 294 | .01 | 4 | .82 | .02 | .25 | 1 |
| 90R34 35-40 | 4 | 7 | 23 | 96 | .1 | 3 | 4 | 149 | 1.79 | 4 | 5 | ND | 5 | 15 | .2 | 2 | 2 | 8 | .21 | .045 | 19 | 40 | .25 | 299 | .01 | 5 | .70 | .02 | .21 | 1 |
| 90R34 40-45 | 5 | 7 | 24 | 89 | .1 | 4 | 4 | 121 | 1.69 | 6 | 5 | ND | 5 | 13 | .2 | 2 | 2 | 7 | .18 | .045 | 20 | 45 | .26 | 448 | .02 | 2 | .70 | .01 | .33 | 1 |
| 90R34 45-50 | 4 | 6 | 18 | 47 | .1 | 4 | 1 | 46 | .76 | 3 | 5 | ND | 9 | 7 | .2 | 2 | 2 | 3 | .10 | .024 | 33 | 44 | .08 | 273 | .01 | 2 | .39 | .01 | .19 | 1 |
| 90R34 50-55 | 9 | 5 | 21 | 29 | .1 | 3 | 1 | 31 | .50 | 2 | 5 | ND | 11 | 8 | .2 | 2 | 2 | 1 | .05 | .007 | 31 | 94 | .04 | 388 | .01 | 2 | .34 | .02 | .19 | 2 |
| 90R34 55-60 | 5 | 7 | 36 | 62 | .2 | 4 | 2 | 42 | .49 | 5 | 5 | ND | 12 | 7 | .2 | 2 | 2 | 2 | .05 | .008 | 36 | 54 | .04 | 368 | .01 | 2 | .32 | .01 | .15 | 1 |
| 90R34 60-65 | 6 | 6 | 28 | 41 | .1 | 3 | 1 | 29 | .44 | 2 | 5 | ND | 10 | 6 | .2 | 2 | 2 | 1 | .04 | .005 | 24 | 65 | .02 | 159 | .01 | 2 | .24 | .01 | .16 | 2 |
| 90R34 65-70 | 3 | 4 | 19 | 37 | .2 | 4 | 1 | 24 | .37 | 3 | 5 | ND | 11 | 7 | .2 | 2 | 2 | 1 | .04 | .005 | 28 | 34 | .03 | 180 | .01 | 2 | .26 | .02 | .15 | 1 |
| 90R34 70-75 | 6 | 4 | 23 | 26 | .1 | 3 | 1 | 27 | .39 | 2 | 5 | ND | 9 | 5 | .2 | 2 | 2 | 1 | .02 | .004 | 23 | 60 | .03 | 155 | .01 | 2 | .22 | .01 | .15 | 3 |
| 90R34 75-80 | 7 | 5 | 51 | 39 | .4 | 3 | 1 | 30 | .61 | 5 | 5 | ND | 8 | 4 | .2 | 2 | 2 | 1 | .02 | .004 | 21 | 63 | .03 | 136 | .01 | 2 | .20 | .01 | .13 | 3 |
| 90R34 80-85 | 5 | 3 | 25 | 40 | .2 | 3 | 1 | 32 | .47 | 2 | 5 | ND | 10 | 10 | .2 | 2 | 2 | 1 | .04 | .005 | 23 | 49 | .08 | 435 | .01 | 3 | .33 | .02 | .16 | 2 |
| 90R34 85-90 | 6 | 4 | 30 | 44 | .2 | 3 | 1 | 37 | .57 | 2 | 5 | ND | 11 | 6 | .2 | 2 | 2 | 1 | .04 | .004 | 23 | 62 | .11 | 329 | .01 | 2 | .36 | .02 | .17 | 2 |
| 90R34 90-95 | 7 | 4 | 24 | 34 | .1 | 3 | 1 | 27 | .50 | 2 | 5 | ND | 10 | 10 | .2 | 2 | 2 | 1 | .07 | .004 | 25 | 76 | .09 | 365 | .01 | 2 | .36 | .01 | .18 | 2 |
| 90R34 95-100 | 6 | 4 | 17 | 22 | .4 | 3 | 1 | 25 | .38 | 2 | 5 | ND | 9 | 12 | .2 | 2 | 2 | 1 | .09 | .004 | 29 | 66 | .05 | 379 | .01 | 2 | .29 | .02 | .17 | 2 |
| STANDARD C | 18 | 59 | 42 | 132 | 7.4 | 72 | 31 | 1061 | 3.98 | 39 | 18 | 6 | 36 | 53 | 18.5 | 16 | 19 | 57 | .46 | .095 | 37 | 60 | .87 | 180 | .07 | 40 | 1.85 | .07 | .14 | 11 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R35 0-5 | 7 | 7 | 285 | 56 | 1.7 | 4 | 4 | 360 | 1.33 | 2 | 5 | ND | 3 | 84 | .6 | 2 | 2 | 4 | .93 | .025 | 14 | 55 | .34 | 188 | .01 | 5 | .56 | .01 | .17 | 1 |
| 90R35 5-10 | 4 | 5 | 83 | 51 | .7 | 4 | 3 | 486 | 1.15 | 2 | 5 | ND | 3 | 56 | .2 | 2 | 2 | 4 | .62 | .028 | 15 | 47 | .37 | 165 | .01 | 3 | .55 | .01 | .18 | 1 |
| 90R35 10-15 | 6 | 10 | 127 | 49 | 3.2 | 7 | 3 | 294 | 1.37 | 5 | 5 | 7 | 4 | 30 | .2 | 2 | 2 | 4 | .25 | .029 | 12 | 48 | .36 | 134 | .01 | 2 | .53 | .01 | .19 | 1 |
| 90R35 15-20 | 6 | 10 | 40 | 41 | .5 | 3 | 3 | 511 | 1.29 | 6 | 5 | ND | 3 | 55 | .4 | 2 | 2 | 5 | .54 | .032 | 14 | 62 | .39 | 157 | .01 | 3 | .59 | .01 | .22 | 1 |
| 90R35 20-25 | 6 | 10 | 11 | 47 | .2 | 3 | 4 | 389 | 1.62 | 8 | 5 | ND | 4 | 28 | .2 | 2 | 2 | 6 | .29 | .036 | 19 | 71 | .44 | 183 | .01 | 3 | .73 | .01 | .21 | 1 |
| 90R35 25-30 | 4 | 7 | 6 | 42 | .1 | 2 | 4 | 436 | 1.45 | 3 | 5 | ND | 3 | 71 | .2 | 2 | 2 | 5 | .62 | .034 | 15 | 47 | .41 | 215 | .01 | 4 | .61 | .01 | .19 | 2 |
| 90R35 30-35 | 6 | 9 | 9 | 37 | .4 | 5 | 4 | 488 | 1.61 | 8 | 5 | ND | 3 | 100 | .2 | 2 | 2 | 5 | .87 | .034 | 15 | 72 | .42 | 246 | .01 | 3 | .65 | .01 | .23 | 1 |
| 90R35 35-40 | 7 | 8 | 5 | 36 | .4 | 2 | 3 | 464 | 1.21 | 3 | 5 | ND | 3 | 99 | .7 | 2 | 2 | 3 | .93 | .032 | 12 | 83 | .40 | 196 | .01 | 5 | .55 | .01 | .21 | 1 |
| 90R35 40-45 | 4 | 5 | 14 | 50 | .4 | 2 | 4 | 243 | 1.38 | 9 | 5 | ND | 4 | 24 | .6 | 2 | 2 | 4 | .22 | .042 | 15 | 48 | .36 | 222 | .01 | 4 | .60 | .01 | .18 | 1 |
| 90R35 45-50 | 3 | 4 | 11 | 65 | .2 | 5 | 4 | 432 | 1.34 | 12 | 5 | ND | 4 | 27 | .4 | 2 | 2 | 4 | .28 | .036 | 16 | 43 | .36 | 579 | .01 | 4 | .61 | .01 | .18 | 1 |
| 90R35 50-55 | 4 | 4 | 3 | 49 | .2 | 5 | 3 | 646 | 1.12 | 9 | 5 | ND | 4 | 51 | .8 | 2 | 2 | 3 | .52 | .029 | 14 | 51 | .33 | 334 | .01 | 2 | .54 | .01 | .18 | 1 |
| 90R35 55-60 | 3 | 5 | 5 | 54 | .3 | 7 | 4 | 770 | 1.35 | 7 | 5 | ND | 3 | 40 | .2 | 2 | 2 | 5 | .60 | .036 | 13 | 43 | .38 | 165 | .01 | 2 | .60 | .01 | .18 | 1 |
| 90R35 60-65 | 4 | 4 | 7 | 25 | .2 | 4 | 2 | 580 | .73 | 2 | 5 | ND | 5 | 50 | .2 | 2 | 2 | 2 | .74 | .025 | 18 | 44 | .16 | 170 | .01 | 2 | .34 | .01 | .18 | 2 |
| 90R35 65-70 | 5 | 4 | 5 | 27 | .1 | 2 | 3 | 440 | 1.00 | 3 | 5 | ND | 5 | 45 | .4 | 2 | 2 | 3 | .55 | .029 | 18 | 53 | .30 | 625 | .01 | 2 | .49 | .01 | .17 | 1 |
| 90R35 70-75 | 5 | 5 | 9 | 50 | .2 | 4 | 4 | 451 | 1.68 | 5 | 5 | ND | 4 | 27 | .3 | 2 | 2 | 8 | .28 | .037 | 22 | 68 | .45 | 202 | .01 | 2 | .76 | .01 | .23 | 1 |
| 90R35 75-80 | 5 | 6 | 12 | 52 | .1 | 4 | 4 | 395 | 1.44 | 4 | 5 | ND | 4 | 17 | .2 | 2 | 2 | 6 | .20 | .035 | 19 | 60 | .54 | 144 | .01 | 2 | .75 | .01 | .21 | 1 |
| 90R35 80-85 | 5 | 7 | 10 | 44 | .1 | 3 | 3 | 259 | 1.21 | 9 | 5 | ND | 6 | 13 | .5 | 2 | 2 | 4 | .12 | .030 | 20 | 58 | .41 | 309 | .01 | 2 | .64 | .01 | .21 | 1 |
| 90R35 85-90 | 7 | 11 | 12 | 51 | .2 | 5 | 5 | 416 | 1.90 | 8 | 5 | ND | 4 | 13 | .3 | 2 | 2 | 9 | .14 | .038 | 19 | 66 | .70 | 280 | .01 | 2 | .94 | .01 | .20 | 1 |
| 90R35 90-95 | 11 | 7 | 2 | 59 | .3 | 3 | 5 | 392 | 1.76 | 6 | 5 | ND | 4 | 10 | .5 | 2 | 2 | 7 | .15 | .036 | 19 | 52 | .57 | 144 | .01 | 2 | .85 | .01 | .18 | 1 |
| 90R35 95-100 | 6 | 7 | 67 | 54 | .4 | 5 | 2 | 110 | .63 | 6 | 6 | ND | 10 | 11 | 1.4 | 2 | 2 | 3 | .08 | .012 | 28 | 55 | .15 | 262 | .01 | 2 | .33 | .02 | .13 | 1 |
| STANDARD C | 21 | 65 | 39 | 136 | 7.5 | 72 | 32 | 1078 | 3.99 | 42 | 18 | 7 | 38 | 53 | 17.3 | 14 | 18 | 60 | .49 | .094 | 40 | 55 | .89 | 181 | .09 | 35 | 1.90 | .07 | .14 | 11 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R36 0-5 | 7 | 10 | 11 | 49 | .1 | 11 | 4 | 205 | 1.26 | 6 | 5 | ND | 7 | 32 | .5 | 2 | 2 | 12 | .40 | .031 | 14 | 76 | .42 | 379 | .02 | 3 | .58 | .03 | .14 | 1 |
| 90R36 5-10 | 6 | 8 | 11 | 24 | .1 | 9 | 3 | 128 | .86 | 3 | 5 | ND | 8 | 18 | .2 | 2 | 2 | 6 | .25 | .017 | 10 | 61 | .24 | 198 | .01 | 2 | .36 | .03 | .12 | 2 |
| 90R36 10-15 | 6 | 5 | 9 | 26 | .1 | 8 | 3 | 117 | .82 | 2 | 5 | ND | 8 | 13 | .2 | 2 | 2 | 6 | .13 | .018 | 10 | 67 | .19 | 229 | .01 | 3 | .35 | .03 | .13 | 2 |
| 90R36 15-20 | 7 | 8 | 14 | 31 | .2 | 7 | 4 | 139 | 1.00 | 5 | 5 | ND | 9 | 14 | .2 | 2 | 2 | 7 | .13 | .020 | 12 | 76 | .24 | 278 | .01 | 2 | .41 | .03 | .14 | 1 |
| 90R36 20-25 | 6 | 14 | 15 | 38 | .1 | 8 | 4 | 177 | 1.25 | 9 | 5 | ND | 7 | 24 | .2 | 2 | 2 | 12 | .30 | .024 | 12 | 78 | .46 | 309 | .01 | 3 | .56 | .02 | .13 | 1 |
| 90R36 25-30 | 7 | 16 | 16 | 58 | .2 | 10 | 8 | 314 | 2.42 | 2 | 5 | ND | 7 | 54 | .5 | 2 | 2 | 33 | 1.02 | .037 | 14 | 87 | 1.49 | 171 | .01 | 2 | 1.47 | .02 | .12 | 1 |
| 90R36 30-35 | 5 | 18 | 15 | 80 | .2 | 13 | 9 | 358 | 3.03 | 2 | 5 | ND | 6 | 59 | .4 | 2 | 2 | 33 | 1.26 | .057 | 11 | 73 | 2.24 | 121 | .02 | 2 | 2.07 | .02 | .14 | 1 |
| 90R36 35-40 | 5 | 18 | 18 | 98 | .3 | 17 | 9 | 314 | 2.78 | 4 | 5 | ND | 7 | 58 | .3 | 2 | 2 | 26 | 1.17 | .061 | 10 | 64 | 1.81 | 192 | .02 | 2 | 1.73 | .02 | .15 | 1 |
| 90R36 40-45 | 6 | 24 | 10 | 87 | .4 | 22 | 10 | 517 | 3.20 | 13 | 5 | ND | 5 | 72 | .4 | 2 | 2 | 32 | 1.27 | .061 | 7 | 72 | 1.97 | 149 | .02 | 2 | 1.98 | .02 | .19 | 1 |
| 90R36 45-50 | 8 | 26 | 14 | 91 | .4 | 22 | 11 | 543 | 3.29 | 13 | 5 | ND | 5 | 66 | .5 | 2 | 2 | 34 | 1.13 | .059 | 6 | 94 | 2.07 | 149 | .03 | 2 | 2.02 | .02 | .19 | 1 |
| 90R36 50-55 | 8 | 28 | 13 | 82 | .2 | 24 | 9 | 503 | 2.85 | 22 | 5 | ND | 5 | 72 | .4 | 2 | 2 | 25 | 1.16 | .058 | 5 | 95 | 1.52 | 124 | .02 | 2 | 1.52 | .02 | .17 | 1 |
| 90R36 55-60 | 6 | 29 | 29 | 128 | .4 | 19 | 11 | 647 | 3.49 | 8 | 5 | ND | 4 | 68 | .9 | 2 | 2 | 33 | 1.07 | .062 | 4 | 74 | 2.20 | 107 | .04 | 3 | 2.09 | .02 | .16 | 1 |
| 90R36 60-65 | 5 | 27 | 15 | 95 | .2 | 22 | 11 | 554 | 3.38 | 4 | 5 | ND | 4 | 61 | .6 | 2 | 2 | 34 | 1.05 | .061 | 5 | 60 | 1.95 | 98 | .02 | 2 | 1.88 | .01 | .14 | 1 |
| 90R36 65-70 | 5 | 30 | 10 | 68 | .3 | 21 | 10 | 396 | 2.57 | 7 | 5 | ND | 4 | 52 | .4 | 2 | 2 | 26 | 1.00 | .061 | 6 | 69 | 1.41 | 93 | .02 | 3 | 1.39 | .02 | .12 | 1 |
| 90R36 70-75 | 6 | 28 | 11 | 72 | .3 | 13 | 12 | 442 | 2.57 | 9 | 5 | ND | 5 | 79 | .3 | 2 | 2 | 29 | 1.75 | .061 | 8 | 78 | 1.67 | 118 | .02 | 2 | 1.69 | .02 | .14 | 1 |
| 90R36 75-80 | 5 | 21 | 11 | 70 | .4 | 17 | 8 | 374 | 2.38 | 4 | 5 | ND | 6 | 57 | .2 | 2 | 2 | 27 | 1.31 | .068 | 10 | 70 | 1.61 | 124 | .02 | 2 | 1.57 | .03 | .15 | 1 |
| 90R36 80-85 | 4 | 28 | 13 | 62 | .3 | 18 | 10 | 452 | 2.30 | 19 | 5 | ND | 6 | 105 | .4 | 2 | 2 | 19 | 2.70 | .064 | 7 | 50 | 1.23 | 106 | .01 | 2 | 1.31 | .01 | .13 | 1 |
| 90R36 85-90 | 4 | 24 | 7 | 73 | .4 | 19 | 11 | 456 | 2.74 | 722 | 5 | ND | 5 | 128 | .2 | 2 | 2 | 32 | 2.59 | .059 | 6 | 60 | 1.57 | 103 | .03 | 2 | 1.55 | .02 | .14 | 1 |
| 90R36 90-95 | 4 | 38 | 8 | 74 | .3 | 21 | 17 | 523 | 3.36 | 147 | 5 | ND | 4 | 106 | .5 | 2 | 2 | 63 | 2.87 | .055 | 9 | 70 | 2.09 | 71 | .04 | 2 | 2.18 | .03 | .11 | 1 |
| 90R36 95-100 | 2 | 38 | 6 | 73 | .2 | 9 | 25 | 809 | 4.56 | 27 | 5 | ND | 3 | 123 | .5 | 2 | 2 | 91 | 3.57 | .049 | 6 | 31 | 1.93 | 64 | .06 | 2 | 2.60 | .05 | .11 | 1 |
| 90R36 100-105 | 8 | 20 | 12 | 95 | .6 | 29 | 10 | 479 | 3.09 | 55 | 5 | ND | 6 | 94 | 1.1 | 2 | 2 | 18 | 2.43 | .076 | 10 | 63 | .92 | 131 | .02 | 2 | 1.04 | .02 | .15 | 1 |
| 90R36 105-110 | 7 | 32 | 21 | 94 | .6 | 36 | 12 | 522 | 3.11 | 167 | 5 | ND | 4 | 93 | .7 | 2 | 2 | 36 | 2.46 | .057 | 7 | 59 | 1.21 | 108 | .03 | 2 | 1.38 | .02 | .12 | 1 |
| 90R36 110-115 | 2 | 38 | 7 | 86 | .4 | 9 | 20 | 827 | 5.27 | 19 | 5 | ND | 3 | 108 | .7 | 2 | 2 | 129 | 3.22 | .052 | 6 | 25 | 2.15 | 38 | .03 | 2 | 2.83 | .04 | .08 | 1 |
| 90R36 115-120 | 5 | 32 | 15 | 75 | .3 | 21 | 13 | 582 | 3.01 | 29 | 5 | ND | 5 | 114 | .5 | 2 | 2 | 38 | 2.35 | .061 | 7 | 67 | 1.62 | 113 | .03 | 2 | 1.77 | .04 | .14 | 1 |
| 90R36 120-125 | 5 | 31 | 23 | 85 | .4 | 29 | 12 | 443 | 3.02 | 31 | 5 | ND | 5 | 53 | 1.0 | 2 | 2 | 31 | 1.07 | .067 | 6 | 56 | 1.67 | 92 | .03 | 2 | 1.68 | .02 | .12 | 1 |
| 90R36 125-130 | 6 | 32 | 22 | 93 | .3 | 32 | 12 | 484 | 3.28 | 23 | 5 | ND | 4 | 63 | .4 | 2 | 2 | 28 | 1.06 | .066 | 7 | 73 | 1.70 | 102 | .04 | 3 | 1.65 | .02 | .13 | 1 |
| 90R36 130-135 | 3 | 18 | 8 | 78 | .1 | 19 | 11 | 400 | 2.58 | 2 | 5 | ND | 5 | 130 | .5 | 2 | 2 | 16 | 2.69 | .067 | 13 | 40 | .83 | 119 | .03 | 2 | .96 | .03 | .10 | 1 |
| 90R36 135-140 | 4 | 21 | 33 | 113 | .6 | 27 | 10 | 612 | 3.02 | 34 | 5 | ND | 4 | 88 | .7 | 2 | 2 | 24 | 2.05 | .092 | 9 | 51 | 1.35 | 108 | .01 | 2 | 1.54 | .02 | .10 | 1 |
| 90R36 140-145 | 6 | 30 | 37 | 83 | .6 | 26 | 12 | 524 | 2.82 | 71 | 5 | ND | 4 | 78 | .7 | 2 | 2 | 16 | 1.78 | .060 | 4 | 45 | 1.15 | 85 | .01 | 2 | .97 | .02 | .11 | 1 |
| 90R36 145-150 | 7 | 32 | 28 | 69 | .6 | 26 | 15 | 566 | 3.50 | 66 | 5 | ND | 3 | 68 | .4 | 2 | 2 | 16 | 1.88 | .054 | 2 | 72 | 1.13 | 99 | .01 | 2 | 1.02 | .02 | .14 | 1 |
| 90R36 150-155 | 7 | 40 | 29 | 76 | .7 | 25 | 13 | 601 | 3.16 | 51 | 5 | ND | 4 | 53 | .4 | 2 | 2 | 23 | 1.93 | .056 | 3 | 71 | 1.56 | 89 | .01 | 2 | 1.33 | .01 | .12 | 1 |
| 90R36 155-160 | 6 | 38 | 32 | 76 | .6 | 25 | 13 | 642 | 3.12 | 142 | 5 | ND | 3 | 62 | .2 | 2 | 2 | 16 | 1.97 | .059 | 3 | 60 | 1.37 | 83 | .01 | 2 | 1.18 | .01 | .11 | 1 |
| 90R36 160-165 | 6 | 40 | 51 | 104 | .8 | 27 | 13 | 627 | 3.08 | 98 | 5 | ND | 4 | 70 | .7 | 3 | 2 | 17 | 1.95 | .063 | 3 | 53 | 1.36 | 79 | .01 | 2 | 1.18 | .01 | .10 | 1 |
| 90R36 165-170 | 4 | 23 | 42 | 85 | .8 | 20 | 11 | 572 | 2.81 | 46 | 5 | ND | 4 | 84 | .6 | 2 | 2 | 14 | 2.11 | .060 | 3 | 46 | 1.07 | 81 | .01 | 2 | .90 | .01 | .09 | 1 |
| 90R36 170-175 | 5 | 23 | 29 | 81 | .5 | 23 | 12 | 607 | 2.89 | 27 | 5 | ND | 3 | 110 | .4 | 2 | 2 | 21 | 2.55 | .066 | 4 | 58 | 1.52 | 98 | .01 | 2 | 1.46 | .01 | .11 | 1 |
| 90R36 175-180 | 4 | 24 | 17 | 70 | .4 | 19 | 12 | 604 | 2.61 | 20 | 5 | ND | 3 | 113 | .3 | 2 | 2 | 20 | 2.55 | .065 | 5 | 57 | 1.54 | 81 | .01 | 2 | 1.46 | .01 | .09 | 1 |
| STANDARD C | 19 | 59 | 36 | 133 | 7.1 | 72 | 31 | 1058 | 3.98 | 45 | 20 | 7 | 39 | 55 | 19.8 | 15 | 20 | 58 | .48 | .099 | 38 | 60 | .85 | 180 | .07 | 33 | 1.90 | .06 | .13 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R36 180-185 | 4 | 26 | 12 | 72 | .4 | 16 | 11 | 509 | 2.82 | 15 | 5 | ND | 4 | 113 | .5 | 2 | 2 | 18 | 2.47 | .067 | 9 | 50 | 1.29 | 91 | .01 | 2 | 1.38 | .02 | .09 | 1 |
| 90R36 185-190 | 4 | 32 | 28 | 92 | 1.0 | 19 | 11 | 697 | 3.03 | 29 | 5 | ND | 4 | 145 | .6 | 2 | 2 | 17 | 3.44 | .065 | 6 | 37 | 1.15 | 63 | .01 | 2 | 1.19 | .01 | .08 | 1 |
| 90R36 190-195 | 6 | 40 | 19 | 61 | .8 | 27 | 13 | 860 | 3.10 | 47 | 5 | ND | 4 | 140 | .4 | 2 | 2 | 14 | 3.56 | .057 | 3 | 55 | 1.20 | 61 | .01 | 2 | .85 | .01 | .10 | 1 |
| 90R36 195-200 | 4 | 45 | 40 | 136 | .7 | 33 | 14 | 496 | 3.23 | 131 | 5 | ND | 4 | 60 | 1.2 | 2 | 2 | 14 | 1.68 | .057 | 6 | 37 | 1.05 | 43 | .01 | 2 | .83 | .01 | .06 | 1 |
| 90R36 200-205 | 6 | 30 | 26 | 56 | .6 | 16 | 8 | 370 | 2.17 | 18 | 5 | ND | 4 | 40 | .2 | 4 | 2 | 11 | 1.12 | .038 | 4 | 56 | .93 | 38 | .01 | 2 | .77 | .01 | .06 | 1 |
| 90R36 205-210 | 4 | 29 | 33 | 83 | .5 | 19 | 10 | 451 | 2.47 | 12 | 5 | ND | 4 | 53 | .9 | 2 | 2 | 14 | 1.57 | .050 | 4 | 44 | 1.15 | 37 | .01 | 3 | .91 | .01 | .07 | 1 |
| 90R36 210-215 | 5 | 32 | 20 | 68 | .4 | 22 | 10 | 652 | 2.63 | 145 | 5 | ND | 3 | 120 | .4 | 2 | 2 | 23 | 2.53 | .054 | 3 | 53 | 1.72 | 45 | .01 | 2 | 1.41 | .01 | .06 | 1 |
| 90R36 215-220 | 4 | 32 | 11 | 72 | .4 | 27 | 10 | 508 | 2.68 | 23 | 5 | ND | 4 | 62 | .2 | 2 | 2 | 27 | 1.30 | .058 | 3 | 49 | 1.53 | 42 | .01 | 2 | 1.46 | .01 | .07 | 1 |
| 90R36 220-225 | 4 | 39 | 11 | 85 | .4 | 27 | 10 | 466 | 2.79 | 47 | 5 | ND | 3 | 51 | .4 | 2 | 2 | 28 | 1.12 | .061 | 5 | 47 | 1.67 | 49 | .01 | 2 | 1.60 | .01 | .08 | 1 |
| 90R36 225-230 | 4 | 25 | 10 | 70 | .5 | 20 | 8 | 413 | 2.36 | 32 | 5 | ND | 5 | 62 | .2 | 2 | 2 | 22 | 1.69 | .058 | 8 | 44 | 1.27 | 59 | .01 | 2 | 1.33 | .01 | .09 | 1 |
| 90R36 230-235 | 3 | 43 | 10 | 68 | .3 | 10 | 16 | 668 | 4.11 | 19 | 5 | ND | 3 | 87 | .4 | 2 | 2 | 77 | 2.79 | .050 | 6 | 33 | 1.70 | 48 | .04 | 2 | 2.14 | .03 | .09 | 1 |
| 90R36 235-240 | 3 | 50 | 7 | 62 | .3 | 9 | 14 | 640 | 3.51 | 3 | 5 | ND | 1 | 64 | .3 | 2 | 2 | 40 | 2.05 | .055 | 2 | 33 | 1.83 | 61 | .10 | 2 | 2.16 | .03 | .09 | 1 |
| 90R36 240-245 | 3 | 38 | 5 | 63 | .3 | 8 | 15 | 644 | 3.77 | 2 | 5 | ND | 2 | 51 | .2 | 2 | 2 | 48 | 2.11 | .054 | 2 | 30 | 1.95 | 47 | .08 | 2 | 2.21 | .03 | .06 | 1 |
| 90R36 245-250 | 3 | 35 | 6 | 61 | .3 | 10 | 12 | 509 | 3.00 | 5 | 5 | ND | 2 | 50 | .2 | 2 | 2 | 34 | 1.90 | .057 | 2 | 30 | 1.60 | 54 | .09 | 2 | 1.79 | .02 | .06 | 1 |
| 90R36 250-255 | 5 | 32 | 6 | 57 | .3 | 16 | 11 | 628 | 2.39 | 8 | 5 | ND | 2 | 65 | .2 | 2 | 2 | 26 | 2.34 | .052 | 4 | 60 | 1.02 | 87 | .06 | 3 | 1.21 | .03 | .08 | 1 |
| 90R36 255-260 | 3 | 24 | 12 | 57 | .2 | 19 | 12 | 390 | 2.45 | 13 | 5 | ND | 3 | 76 | .2 | 2 | 2 | 36 | 2.29 | .048 | 6 | 44 | 1.21 | 68 | .05 | 2 | 1.28 | .02 | .07 | 1 |
| 90R36 260-265 | 4 | 22 | 10 | 59 | .2 | 15 | 8 | 557 | 2.20 | 2 | 5 | ND | 4 | 67 | .2 | 2 | 2 | 26 | 2.21 | .052 | 9 | 53 | 1.15 | 86 | .03 | 2 | 1.28 | .02 | .09 | 1 |
| 90R36 265-270 | 3 | 28 | 7 | 62 | .3 | 19 | 11 | 513 | 2.60 | 11 | 5 | ND | 3 | 79 | .2 | 2 | 2 | 37 | 2.26 | .049 | 7 | 45 | 1.20 | 73 | .06 | 2 | 1.33 | .02 | .07 | 1 |
| 90R36 270-275 | 4 | 25 | 9 | 63 | .3 | 21 | 12 | 358 | 2.63 | 9 | 5 | ND | 5 | 104 | .3 | 2 | 2 | 40 | 2.70 | .053 | 12 | 54 | 1.33 | 92 | .03 | 2 | 1.42 | .02 | .09 | 1 |
| 90R36 275-280 | 3 | 18 | 8 | 70 | .4 | 13 | 7 | 292 | 2.31 | 4 | 5 | ND | 7 | 65 | .3 | 2 | 2 | 21 | 1.59 | .069 | 17 | 39 | 1.28 | 86 | .01 | 3 | 1.30 | .02 | .10 | 1 |
| 90R36 280-285 | 4 | 15 | 11 | 67 | .3 | 17 | 8 | 341 | 2.37 | 86 | 5 | ND | 5 | 61 | .3 | 2 | 2 | 22 | 1.39 | .057 | 13 | 45 | 1.36 | 71 | .01 | 3 | 1.34 | .01 | .08 | 1 |
| 90R36 285-290 | 3 | 17 | 16 | 76 | .4 | 15 | 12 | 387 | 2.71 | 54 | 5 | ND | 5 | 77 | .2 | 2 | 2 | 24 | 1.67 | .056 | 13 | 44 | 1.53 | 70 | .01 | 2 | 1.50 | .01 | .08 | 1 |
| 90R36 290-295 | 4 | 25 | 8 | 67 | .2 | 22 | 12 | 485 | 3.03 | 34 | 5 | ND | 4 | 154 | .5 | 2 | 2 | 46 | 3.28 | .046 | 10 | 58 | 1.52 | 74 | .02 | 2 | 1.65 | .02 | .08 | 1 |
| 90R36 295-300 | 4 | 27 | 17 | 72 | .4 | 20 | 8 | 504 | 2.00 | 28 | 5 | ND | 8 | 107 | .4 | 2 | 2 | 20 | 2.24 | .076 | 21 | 42 | 1.05 | 101 | .01 | 2 | 1.03 | .01 | .11 | 1 |
| 90R36 300-305 | 5 | 20 | 20 | 86 | .5 | 18 | 6 | 615 | 1.76 | 9 | 5 | ND | 9 | 116 | .3 | 2 | 2 | 14 | 2.14 | .076 | 20 | 53 | .87 | 134 | .01 | 2 | .87 | .01 | .14 | 1 |
| 90R36 305-310 | 5 | 25 | 25 | 82 | .5 | 18 | 7 | 512 | 2.02 | 24 | 5 | ND | 7 | 114 | .4 | 2 | 2 | 15 | 1.96 | .067 | 13 | 52 | 1.03 | 134 | .01 | 3 | 1.01 | .01 | .14 | 1 |
| 90R36 310-315 | 5 | 19 | 14 | 67 | .6 | 18 | 8 | 443 | 1.93 | 9 | 5 | ND | 7 | 153 | .3 | 2 | 2 | 15 | 2.47 | .068 | 11 | 58 | .85 | 151 | .01 | 2 | .77 | .01 | .18 | 1 |
| 90R36 315-320 | 5 | 17 | 12 | 59 | .6 | 15 | 7 | 492 | 1.69 | 6 | 5 | ND | 7 | 211 | .3 | 2 | 2 | 14 | 3.03 | .055 | 8 | 53 | .88 | 116 | .01 | 4 | .75 | .01 | .15 | 1 |
| 90R36 320-325 | 3 | 23 | 17 | 79 | .4 | 18 | 11 | 407 | 2.74 | 13 | 5 | ND | 6 | 110 | .2 | 2 | 2 | 28 | 1.59 | .061 | 11 | 48 | 1.74 | 84 | .01 | 2 | 1.63 | .01 | .09 | 1 |
| 90R36 325-330 | 4 | 28 | 9 | 69 | .3 | 16 | 10 | 565 | 2.76 | 6 | 5 | ND | 5 | 88 | .5 | 2 | 2 | 23 | 2.15 | .056 | 11 | 39 | 1.19 | 68 | .02 | 2 | 1.41 | .01 | .08 | 1 |
| 90R36 330-335 | 4 | 31 | 9 | 78 | .3 | 16 | 11 | 585 | 3.19 | 2 | 5 | ND | 5 | 92 | .2 | 2 | 2 | 27 | 2.13 | .060 | 10 | 39 | 1.47 | 91 | .01 | 2 | 1.75 | .02 | .10 | 1 |
| 90R36 335-340 | 3 | 25 | 9 | 73 | .3 | 13 | 12 | 698 | 3.61 | 2 | 5 | ND | 4 | 96 | .2 | 2 | 2 | 44 | 2.59 | .054 | 9 | 31 | 1.76 | 60 | .02 | 2 | 2.05 | .01 | .08 | 1 |
| 90R36 340-345 | 2 | 34 | 4 | 71 | .4 | 8 | 18 | 749 | 4.60 | 3 | 5 | ND | 3 | 120 | .3 | 2 | 2 | 86 | 3.02 | .048 | 6 | 26 | 2.22 | 99 | .04 | 2 | 2.71 | .03 | .08 | 1 |
| 90R36 345-350 | 4 | 36 | 7 | 72 | .3 | 8 | 15 | 721 | 3.99 | 4 | 5 | ND | 3 | 104 | .5 | 2 | 2 | 57 | 2.84 | .045 | 7 | 38 | 1.95 | 79 | .02 | 2 | 2.35 | .01 | .08 | 1 |
| 90R36 350-355 | 6 | 33 | 8 | 70 | .4 | 17 | 11 | 486 | 2.83 | 7 | 5 | ND | 5 | 60 | .2 | 2 | 2 | 28 | 1.64 | .060 | 12 | 51 | 1.37 | 91 | .01 | 2 | 1.54 | .02 | .09 | 1 |
| 90R36 355-360 | 3 | 32 | 8 | 65 | .4 | 21 | 14 | 396 | 2.70 | 7 | 5 | ND | 3 | 88 | .2 | 2 | 2 | 35 | 2.08 | .049 | 5 | 55 | 1.44 | 75 | .05 | 2 | 1.51 | .01 | .08 | 1 |
| STANDARD C | 19 | 60 | 39 | 133 | 7.2 | 72 | 31 | 1057 | 3.97 | 39 | 22 | 7 | 39 | 55 | 18.8 | 15 | 20 | 58 | .48 | .097 | 39 | 60 | .84 | 180 | .07 | 34 | 1.89 | .06 | .13 | 11 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R36 360-365 | 3 | 31 | 4 | 65 | .3 | 32 | 17 | 368 | 2.77 | 7 | 5 | ND | 1 | 90 | .2 | 2 | 2 | 38 | 2.27 | .060 | 6 | 72 | 1.49 | 94 | .02 | 3 | 1.60 | .01 | .07 | 1 |
| 90R36 365-370 | 2 | 32 | 6 | 69 | .3 | 21 | 13 | 490 | 2.95 | 9 | 5 | ND | 1 | 86 | 1.0 | 2 | 2 | 40 | 2.22 | .060 | 9 | 56 | 1.39 | 103 | .01 | 4 | 1.56 | .01 | .07 | 1 |
| 90R36 370-375 | 4 | 33 | 11 | 67 | .2 | 17 | 11 | 463 | 2.65 | 11 | 5 | ND | 1 | 71 | .7 | 2 | 2 | 30 | 2.30 | .060 | 12 | 52 | 1.42 | 79 | .01 | 2 | 1.47 | .01 | .06 | 1 |
| 90R36 375-380 | 1 | 38 | 9 | 94 | .4 | 10 | 18 | 682 | 5.11 | 4 | 5 | ND | 1 | 72 | .2 | 2 | 2 | 74 | 2.15 | .061 | 8 | 39 | 2.23 | 88 | .03 | 3 | 2.61 | .01 | .08 | 1 |
| 90R36 380-385 | 3 | 27 | 10 | 74 | .3 | 17 | 12 | 573 | 3.39 | 8 | 5 | ND | 1 | 63 | .2 | 2 | 2 | 43 | 2.42 | .061 | 14 | 62 | 1.52 | 88 | .01 | 2 | 1.80 | .01 | .07 | 1 |
| 90R36 385-390 | 1 | 52 | 6 | 92 | .5 | 18 | 21 | 884 | 4.91 | 12 | 5 | ND | 1 | 114 | .2 | 2 | 2 | 71 | 4.46 | .065 | 11 | 57 | 2.25 | 93 | .01 | 2 | 2.55 | .01 | .06 | 1 |
| 90R36 390-395 | 1 | 58 | 19 | 123 | .6 | 16 | 20 | 913 | 5.64 | 15 | 5 | ND | 1 | 89 | .2 | 2 | 2 | 92 | 3.52 | .058 | 9 | 43 | 2.86 | 76 | .01 | 7 | 3.16 | .01 | .05 | 1 |
| 90R36 395-400 | 8 | 57 | 44 | 177 | 1.0 | 86 | 14 | 651 | 3.24 | 56 | 5 | ND | 1 | 87 | 1.2 | 7 | 2 | 37 | 3.32 | .058 | 11 | 105 | 1.86 | 72 | .01 | 4 | 1.59 | .01 | .05 | 1 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R37 0-5 | 10 | 13 | 10 | 30 | .3 | 9 | 4 | 123 | 1.14 | 7 | 5 | ND | 9 | 31 | .2 | 2 | 2 | 5 | .35 | .012 | 12 | 94 | .22 | 388 | .01 | 5 | .38 | .02 | .12 | 1 |
| 90R37 5-10 | 6 | 11 | 12 | 29 | .2 | 9 | 4 | 108 | .91 | 6 | 5 | ND | 10 | 24 | .2 | 2 | 2 | 4 | .25 | .012 | 16 | 64 | .20 | 389 | .01 | 4 | .35 | .01 | .11 | 1 |
| 90R37 10-15 | 5 | 9 | 22 | 42 | .1 | 8 | 3 | 137 | .80 | 3 | 5 | ND | 10 | 17 | .2 | 2 | 2 | 6 | .15 | .009 | 21 | 49 | .21 | 385 | .01 | 2 | .41 | .01 | .13 | 1 |
| 90R37 15-20 | 5 | 7 | 27 | 41 | .3 | 6 | 1 | 110 | .60 | 5 | 5 | ND | 12 | 9 | .2 | 2 | 2 | 3 | .09 | .006 | 30 | 52 | .22 | 261 | .01 | 4 | .38 | .01 | .14 | 2 |
| 90R37 20-25 | 4 | 10 | 26 | 49 | .6 | 9 | 4 | 263 | 1.10 | 5 | 5 | ND | 10 | 81 | .6 | 3 | 2 | 8 | .95 | .013 | 31 | 47 | .51 | 209 | .01 | 7 | .71 | .02 | .16 | 1 |
| 90R37 25-30 | 4 | 43 | 50 | 100 | .8 | 23 | 8 | 458 | 2.26 | 18 | 5 | ND | 6 | 136 | .2 | 2 | 2 | 19 | 1.81 | .023 | 21 | 61 | 1.00 | 267 | .01 | 3 | 1.19 | .01 | .15 | 1 |
| 90R37 30-35 | 4 | 28 | 32 | 65 | .5 | 13 | 5 | 298 | 1.83 | 8 | 5 | ND | 6 | 67 | .2 | 2 | 2 | 17 | .93 | .034 | 22 | 58 | .47 | 378 | .01 | 2 | .77 | .01 | .19 | 1 |
| 90R37 35-40 | 4 | 24 | 18 | 73 | .5 | 18 | 6 | 386 | 1.73 | 44 | 5 | ND | 6 | 123 | .2 | 2 | 2 | 13 | 1.72 | .032 | 25 | 45 | .73 | 288 | .01 | 2 | .90 | .01 | .14 | 1 |
| 90R37 40-45 | 4 | 18 | 12 | 57 | .5 | 15 | 6 | 353 | 1.72 | 19 | 5 | ND | 7 | 156 | .2 | 3 | 2 | 10 | 2.11 | .029 | 20 | 49 | .61 | 155 | .01 | 4 | .79 | .01 | .18 | 1 |
| 90R37 45-50 | 5 | 16 | 17 | 65 | .2 | 20 | 7 | 332 | 1.92 | 11 | 5 | ND | 7 | 200 | .4 | 2 | 2 | 6 | 2.83 | .018 | 27 | 76 | 1.02 | 103 | .01 | 2 | .90 | .01 | .15 | 1 |
| 90R37 50-55 | 5 | 10 | 20 | 62 | .2 | 14 | 2 | 224 | 1.25 | 5 | 5 | ND | 12 | 119 | .2 | 2 | 2 | 2 | 1.74 | .012 | 38 | 66 | .61 | 145 | .01 | 3 | .64 | .01 | .18 | 1 |
| 90R37 55-60 | 5 | 11 | 30 | 73 | .3 | 5 | 2 | 158 | 1.03 | 8 | 5 | ND | 16 | 70 | .2 | 2 | 2 | 2 | 1.06 | .008 | 43 | 58 | .58 | 137 | .01 | 4 | .61 | .01 | .14 | 1 |
| 90R37 60-65 | 3 | 10 | 23 | 43 | .5 | 2 | 4 | 257 | 1.14 | 17 | 5 | ND | 14 | 113 | .2 | 2 | 2 | 13 | 2.02 | .021 | 35 | 54 | .48 | 98 | .01 | 4 | .56 | .01 | .17 | 1 |
| 90R37 65-70 | 3 | 7 | 18 | 27 | .3 | 2 | 2 | 120 | .57 | 8 | 5 | ND | 16 | 66 | .2 | 2 | 2 | 2 | .90 | .008 | 42 | 35 | .16 | 83 | .01 | 3 | .28 | .01 | .17 | 1 |
| 90R37 70-75 | 5 | 17 | 13 | 69 | .4 | 16 | 6 | 431 | 2.02 | 13 | 5 | ND | 7 | 88 | .2 | 2 | 2 | 19 | 1.59 | .041 | 24 | 77 | .89 | 87 | .01 | 2 | 1.02 | .01 | .16 | 1 |
| 90R37 75-80 | 7 | 40 | 16 | 87 | .8 | 33 | 10 | 361 | 2.13 | 20 | 5 | ND | 6 | 77 | .2 | 2 | 2 | 18 | 1.84 | .058 | 22 | 81 | 1.16 | 105 | .01 | 3 | 1.11 | .01 | .12 | 1 |
| 90R37 80-85 | 8 | 42 | 17 | 106 | .6 | 39 | 12 | 417 | 2.60 | 18 | 5 | ND | 5 | 92 | .6 | 2 | 2 | 21 | 2.30 | .063 | 21 | 56 | 1.31 | 126 | .01 | 2 | 1.16 | .01 | .09 | 1 |
| 90R37 85-90 | 5 | 32 | 8 | 84 | .6 | 26 | 13 | 604 | 3.84 | 44 | 5 | ND | 2 | 100 | .2 | 3 | 2 | 43 | 2.87 | .052 | 16 | 59 | 1.80 | 76 | .01 | 2 | 1.90 | .01 | .10 | 1 |
| 90R37 90-95 | 9 | 66 | 15 | 162 | .7 | 48 | 17 | 710 | 3.73 | 55 | 5 | ND | 1 | 102 | .7 | 7 | 2 | 47 | 2.69 | .055 | 9 | 60 | 1.94 | 70 | .01 | 2 | 1.83 | .01 | .09 | 1 |
| 90R37 95-100 | 4 | 38 | 19 | 108 | .5 | 17 | 13 | 705 | 4.25 | 16 | 5 | ND | 2 | 108 | .5 | 4 | 2 | 54 | 2.75 | .055 | 17 | 54 | 1.91 | 72 | .01 | 2 | 2.01 | .01 | .10 | 1 |
| 90R37 100-105 | 6 | 42 | 16 | 94 | .5 | 36 | 17 | 422 | 3.35 | 21 | 5 | ND | 4 | 78 | .2 | 2 | 2 | 39 | 1.44 | .061 | 20 | 79 | 1.56 | 110 | .01 | 2 | 1.51 | .01 | .13 | 1 |
| 90R37 105-110 | 5 | 42 | 10 | 96 | .6 | 38 | 14 | 404 | 3.48 | 18 | 5 | ND | 3 | 94 | .2 | 2 | 2 | 44 | 1.76 | .060 | 19 | 67 | 1.77 | 97 | .01 | 2 | 1.65 | .01 | .11 | 1 |
| 90R37 110-115 | 6 | 46 | 14 | 93 | .5 | 38 | 14 | 360 | 3.15 | 24 | 5 | ND | 4 | 104 | .4 | 3 | 2 | 41 | 1.92 | .062 | 14 | 73 | 1.44 | 99 | .01 | 2 | 1.41 | .01 | .12 | 1 |
| 90R37 115-120 | 5 | 27 | 15 | 92 | .5 | 27 | 13 | 601 | 3.21 | 300 | 5 | ND | 1 | 160 | .7 | 2 | 2 | 33 | 2.38 | .055 | 6 | 58 | 1.76 | 85 | .01 | 2 | 1.61 | .01 | .11 | 1 |
| 90R37 120-125 | 7 | 37 | 23 | 86 | 1.3 | 27 | 14 | 500 | 3.31 | 74 | 5 | ND | 2 | 100 | .6 | 3 | 2 | 24 | 1.67 | .055 | 4 | 67 | 1.69 | 86 | .01 | 2 | 1.37 | .01 | .11 | 1 |
| 90R37 125-130 | 6 | 36 | 43 | 92 | .8 | 24 | 14 | 499 | 3.42 | 39 | 5 | ND | 2 | 74 | .2 | 3 | 2 | 32 | 1.24 | .058 | 7 | 71 | 2.12 | 77 | .01 | 2 | 1.70 | .01 | .11 | 1 |
| 90R37 130-135 | 7 | 40 | 31 | 92 | .8 | 29 | 14 | 522 | 2.97 | 35 | 5 | ND | 3 | 70 | .5 | 3 | 2 | 19 | 1.41 | .064 | 4 | 59 | 1.54 | 73 | .01 | 4 | 1.05 | .01 | .09 | 1 |
| 90R37 135-140 | 8 | 37 | 25 | 114 | .7 | 31 | 15 | 507 | 3.46 | 35 | 5 | ND | 2 | 49 | .5 | 6 | 2 | 24 | .89 | .082 | 3 | 94 | 1.76 | 103 | .01 | 2 | 1.39 | .01 | .13 | 1 |
| 90R37 140-145 | 9 | 42 | 11 | 100 | .7 | 31 | 16 | 564 | 3.26 | 27 | 5 | ND | 3 | 70 | .6 | 3 | 2 | 23 | 1.40 | .063 | 5 | 87 | 1.82 | 93 | .01 | 2 | 1.19 | .01 | .11 | 1 |
| 90R37 145-150 | 5 | 48 | 14 | 52 | 1.4 | 28 | 19 | 446 | 3.23 | 16 | 5 | ND | 2 | 76 | .2 | 4 | 2 | 15 | 1.39 | .052 | 3 | 59 | 1.60 | 64 | .01 | 2 | 1.03 | .01 | .09 | 1 |
| 90R37 150-155 | 6 | 45 | 13 | 68 | 1.7 | 27 | 21 | 761 | 3.70 | 16 | 5 | 2 | 1 | 106 | .3 | 5 | 2 | 18 | 1.94 | .051 | 4 | 73 | 1.60 | 70 | .01 | 3 | 1.10 | .01 | .12 | 1 |
| 90R37 155-160 | 4 | 24 | 8 | 105 | .8 | 19 | 15 | 810 | 3.94 | 10 | 5 | ND | 2 | 112 | .2 | 2 | 2 | 27 | 1.79 | .065 | 10 | 68 | 1.73 | 101 | .02 | 2 | 1.49 | .01 | .14 | 1 |
| 90R37 160-165 | 6 | 29 | 15 | 96 | .7 | 22 | 15 | 796 | 3.80 | 19 | 5 | ND | 2 | 99 | .7 | 2 | 2 | 26 | 1.73 | .063 | 10 | 83 | 1.69 | 90 | .01 | 2 | 1.44 | .01 | .13 | 1 |
| 90R37 165-170 | 3 | 31 | 2 | 54 | 1.0 | 22 | 19 | 795 | 3.39 | 9 | 5 | ND | 1 | 131 | .2 | 3 | 2 | 12 | 3.78 | .053 | 9 | 46 | .98 | 58 | .01 | 2 | .77 | .01 | .10 | 1 |
| 90R37 170-175 | 5 | 32 | 8 | 58 | .8 | 21 | 18 | 762 | 3.38 | 10 | 5 | ND | 1 | 106 | .3 | 4 | 2 | 8 | 3.54 | .058 | 12 | 61 | 1.00 | 66 | .01 | 2 | .82 | .01 | .12 | 1 |
| 90R37 175-180 | 7 | 23 | 5 | 76 | .6 | 13 | 11 | 576 | 2.91 | 14 | 5 | ND | 3 | 72 | .2 | 2 | 2 | 10 | 2.04 | .059 | 16 | 80 | 1.18 | 97 | .02 | 2 | 1.09 | .01 | .14 | 1 |
| STANDARD C | 21 | 62 | 41 | 135 | 7.5 | 76 | 32 | 1071 | 3.99 | 40 | 20 | 7 | 37 | 52 | 17.3 | 14 | 21 | 57 | .48 | .098 | 41 | 61 | .89 | 182 | .09 | 34 | 1.90 | .07 | .14 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R37 180-185 | 6 | 29 | 15 | 65 | .6 | 18 | 13 | 507 | 2.57 | 19 | 5 | ND | 4 | 94 | .2 | 2 | 2 | 11 | 2.26 | .048 | 11 | 41 | 1.04 | 69 | .01 | 2 | .75 | .01 | .05 | 1 |
| 90R37 185-190 | 7 | 33 | 11 | 68 | .4 | 25 | 14 | 509 | 2.99 | 18 | 5 | ND | 4 | 81 | .4 | 3 | 2 | 18 | 1.81 | .055 | 9 | 67 | 1.17 | 74 | .01 | 4 | .88 | .01 | .05 | 1 |
| 90R37 190-195 | 8 | 37 | 13 | 93 | .4 | 32 | 13 | 481 | 2.83 | 91 | 5 | ND | 5 | 98 | .2 | 4 | 2 | 18 | 1.81 | .065 | 7 | 58 | 1.23 | 76 | .01 | 5 | .84 | .01 | .06 | 1 |
| 90R37 195-200 | 8 | 37 | 34 | 88 | .6 | 27 | 12 | 500 | 2.61 | 46 | 5 | ND | 4 | 70 | .3 | 2 | 2 | 15 | 1.62 | .048 | 8 | 60 | 1.20 | 65 | .01 | 3 | .80 | .01 | .04 | 1 |
| 90R37 200-205 | 3 | 27 | 13 | 83 | .4 | 21 | 11 | 495 | 2.69 | 10 | 5 | ND | 5 | 115 | .2 | 2 | 2 | 28 | 2.77 | .051 | 9 | 31 | 1.17 | 76 | .02 | 2 | 1.05 | .01 | .05 | 1 |
| 90R37 205-210 | 3 | 25 | 32 | 83 | .5 | 20 | 11 | 622 | 2.73 | 7 | 5 | ND | 4 | 108 | .2 | 5 | 2 | 28 | 2.22 | .052 | 11 | 28 | 1.54 | 84 | .01 | 4 | 1.28 | .01 | .05 | 1 |
| 90R37 210-215 | 3 | 26 | 13 | 80 | .3 | 23 | 12 | 519 | 2.89 | 6 | 5 | ND | 5 | 88 | .2 | 2 | 2 | 27 | 1.67 | .057 | 13 | 28 | 1.62 | 88 | .01 | 3 | 1.41 | .01 | .06 | 1 |
| 90R37 215-220 | 2 | 23 | 10 | 74 | .2 | 14 | 13 | 632 | 3.27 | 44 | 5 | ND | 4 | 126 | .5 | 2 | 2 | 46 | 2.78 | .047 | 11 | 23 | 1.64 | 92 | .01 | 4 | 1.73 | .01 | .05 | 1 |
| 90R37 220-225 | 8 | 32 | 14 | 102 | .4 | 56 | 10 | 456 | 2.43 | 21 | 5 | ND | 5 | 101 | .6 | 2 | 2 | 30 | 2.18 | .053 | 14 | 47 | 1.20 | 124 | .01 | 4 | 1.09 | .01 | .06 | 1 |
| 90R37 225-230 | 5 | 24 | 12 | 69 | .3 | 24 | 6 | 396 | 1.97 | 15 | 5 | ND | 6 | 69 | .3 | 2 | 2 | 23 | 1.48 | .044 | 16 | 47 | .71 | 125 | .01 | 3 | .73 | .01 | .07 | 1 |
| 90R37 230-235 | 9 | 36 | 22 | 102 | .7 | 63 | 9 | 453 | 2.14 | 28 | 5 | ND | 5 | 120 | 1.0 | 2 | 2 | 19 | 2.84 | .048 | 12 | 34 | 1.03 | 84 | .01 | 3 | .79 | .01 | .04 | 1 |
| 90R37 235-240 | 7 | 31 | 16 | 109 | .4 | 60 | 10 | 350 | 2.28 | 15 | 5 | ND | 6 | 76 | .7 | 2 | 2 | 21 | 1.58 | .038 | 14 | 49 | 1.14 | 99 | .01 | 3 | .90 | .01 | .05 | 1 |
| 90R37 240-245 | 8 | 26 | 21 | 98 | .4 | 47 | 7 | 360 | 1.90 | 15 | 5 | ND | 6 | 91 | .5 | 2 | 2 | 21 | 1.72 | .038 | 11 | 41 | 1.14 | 145 | .01 | 2 | .88 | .01 | .06 | 1 |
| 90R37 245-250 | 6 | 19 | 18 | 73 | .5 | 39 | 7 | 338 | 1.84 | 244 | 5 | ND | 6 | 187 | .5 | 2 | 2 | 13 | 2.43 | .026 | 10 | 32 | .89 | 94 | .01 | 4 | .57 | .01 | .06 | 1 |
| 90R37 250-255 | 6 | 18 | 22 | 77 | .3 | 29 | 5 | 224 | 1.34 | 545 | 5 | ND | 9 | 85 | .7 | 2 | 2 | 8 | 1.40 | .023 | 15 | 29 | .53 | 148 | .01 | 2 | .46 | .01 | .08 | 1 |
| 90R37 255-260 | 11 | 28 | 23 | 128 | .5 | 65 | 9 | 290 | 1.81 | 170 | 5 | ND | 6 | 135 | .9 | 4 | 2 | 16 | 2.20 | .049 | 13 | 39 | 1.09 | 125 | .01 | 6 | .77 | .01 | .10 | 1 |
| 90R37 260-265 | 5 | 28 | 16 | 110 | .5 | 38 | 18 | 287 | 3.05 | 72 | 5 | ND | 6 | 148 | .5 | 2 | 2 | 8 | 2.33 | .036 | 8 | 37 | .82 | 99 | .01 | 4 | .73 | .01 | .15 | 1 |
| 90R37 265-270 | 3 | 12 | 27 | 44 | .7 | 12 | 3 | 170 | .91 | 29 | 5 | ND | 7 | 80 | .6 | 2 | 2 | 4 | 1.24 | .042 | 10 | 15 | .24 | 125 | .01 | 2 | .22 | .01 | .06 | 1 |
| 90R37 270-275 | 7 | 26 | 33 | 118 | .6 | 21 | 5 | 293 | 1.44 | 467 | 5 | ND | 7 | 163 | 2.0 | 3 | 2 | 8 | 2.80 | .057 | 11 | 24 | .39 | 110 | .01 | 4 | .34 | .01 | .08 | 1 |
| 90R37 275-280 | 9 | 24 | 19 | 83 | .5 | 30 | 8 | 263 | 1.88 | 426 | 5 | ND | 6 | 133 | 1.2 | 3 | 2 | 8 | 2.32 | .034 | 9 | 28 | .38 | 76 | .01 | 4 | .36 | .01 | .07 | 1 |
| 90R37 280-285 | 6 | 19 | 21 | 71 | .4 | 24 | 7 | 188 | 1.38 | 51 | 5 | ND | 10 | 83 | .7 | 2 | 2 | 10 | 1.34 | .024 | 14 | 27 | .40 | 126 | .01 | 5 | .41 | .01 | .10 | 1 |
| 90R37 285-290 | 6 | 23 | 23 | 87 | .4 | 29 | 7 | 198 | 1.69 | 22 | 5 | ND | 9 | 119 | .7 | 3 | 2 | 10 | 1.93 | .043 | 9 | 33 | .55 | 106 | .02 | 4 | .49 | .01 | .13 | 1 |
| 90R37 290-295 | 10 | 17 | 33 | 44 | .4 | 18 | 4 | 120 | 1.12 | 131 | 5 | ND | 12 | 79 | .2 | 2 | 2 | 7 | .89 | .024 | 21 | 42 | .25 | 146 | .01 | 3 | .34 | .01 | .11 | 2 |
| 90R37 295-300 | 4 | 18 | 23 | 42 | .6 | 17 | 5 | 207 | 1.15 | 31 | 5 | ND | 9 | 105 | .2 | 2 | 2 | 7 | 1.59 | .039 | 19 | 32 | .31 | 134 | .01 | 4 | .35 | .01 | .08 | 1 |
| STANDARD C | 20 | 63 | 35 | 135 | 7.5 | 74 | 32 | 1077 | 3.92 | 44 | 19 | 7 | 37 | 52 | 17.3 | 15 | 22 | 60 | .47 | .094 | 39 | 60 | .88 | 185 | .09 | 38 | 1.87 | .05 | .14 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R38 0-5 | 8 | 41 | 25 | 66 | .4 | 6 | 3 | 239 | 2.51 | 23 | 5 | ND | 5 | 23 | .2 | 2 | 2 | 24 | .13 | .067 | 5 | 53 | 1.74 | 106 | .01 | 4 | 1.36 | .01 | .13 | 1 |
| 90R38 5-10 | 13 | 31 | 127 | 54 | 1.2 | 8 | 2 | 142 | 1.91 | 47 | 5 | ND | 10 | 27 | .2 | 2 | 2 | 19 | .11 | .055 | 9 | 58 | 1.37 | 162 | .01 | 4 | 1.17 | .02 | .16 | 1 |
| 90R38 10-15 | 9 | 18 | 72 | 47 | 1.1 | 10 | 1 | 113 | 2.85 | 48 | 5 | ND | 9 | 27 | .2 | 2 | 2 | 20 | .09 | .048 | 6 | 57 | 1.18 | 238 | .01 | 6 | 1.02 | .08 | .27 | 1 |
| 90R38 15-20 | 4 | 22 | 16 | 58 | 1.1 | 11 | 2 | 235 | 3.98 | 25 | 5 | ND | 4 | 12 | .2 | 2 | 2 | 32 | .15 | .043 | 4 | 56 | 1.43 | 274 | .01 | 7 | 1.23 | .06 | .42 | 1 |
| 90R38 20-25 | 2 | 17 | 7 | 99 | .3 | 9 | 3 | 445 | 3.72 | 6 | 5 | ND | 4 | 9 | .2 | 2 | 2 | 17 | .15 | .085 | 8 | 34 | 1.66 | 166 | .02 | 7 | 1.83 | .03 | .18 | 1 |
| 90R38 25-30 | 6 | 26 | 24 | 70 | .7 | 13 | 2 | 173 | 4.10 | 32 | 5 | ND | 3 | 8 | .2 | 2 | 2 | 25 | .16 | .042 | 6 | 55 | 1.49 | 274 | .01 | 6 | 1.42 | .05 | .44 | 1 |
| 90R38 30-35 | 3 | 29 | 3 | 93 | .4 | 13 | 3 | 357 | 4.14 | 13 | 5 | ND | 4 | 14 | .2 | 2 | 2 | 26 | .14 | .080 | 10 | 44 | 1.41 | 230 | .01 | 4 | 1.70 | .04 | .28 | 1 |
| 90R38 35-40 | 5 | 29 | 13 | 71 | .6 | 10 | 2 | 237 | 4.34 | 14 | 5 | ND | 5 | 9 | .2 | 3 | 2 | 18 | .19 | .051 | 7 | 51 | 1.23 | 298 | .01 | 8 | 1.41 | .04 | .50 | 1 |
| 90R38 40-45 | 5 | 33 | 17 | 82 | .4 | 8 | 2 | 188 | 3.29 | 41 | 5 | ND | 3 | 13 | .2 | 4 | 2 | 27 | .10 | .069 | 6 | 56 | 1.75 | 212 | .01 | 3 | 1.60 | .03 | .28 | 1 |
| 90R38 45-50 | 5 | 34 | 3 | 87 | .3 | 9 | 2 | 192 | 3.67 | 38 | 5 | ND | 3 | 14 | .2 | 6 | 2 | 29 | .06 | .071 | 7 | 54 | 1.67 | 222 | .01 | 6 | 1.61 | .03 | .28 | 1 |
| 90R38 50-55 | 13 | 40 | 12 | 90 | .5 | 23 | 3 | 178 | 3.65 | 68 | 5 | ND | 5 | 17 | .2 | 3 | 2 | 39 | .06 | .077 | 11 | 81 | 1.77 | 179 | .01 | 6 | 1.82 | .02 | .16 | 1 |
| 90R38 55-60 | 11 | 32 | 12 | 85 | .4 | 21 | 2 | 155 | 3.11 | 42 | 5 | ND | 6 | 33 | .2 | 2 | 2 | 26 | .17 | .079 | 20 | 70 | 1.31 | 176 | .01 | 7 | 1.41 | .02 | .14 | 1 |
| 90R38 60-65 | 10 | 24 | 12 | 60 | .5 | 9 | 1 | 95 | 2.16 | 33 | 5 | ND | 7 | 26 | .2 | 2 | 2 | 13 | .15 | .050 | 18 | 44 | .86 | 137 | .01 | 3 | .93 | .02 | .12 | 1 |
| 90R38 65-70 | 8 | 25 | 16 | 67 | .3 | 11 | 2 | 140 | 2.39 | 21 | 5 | ND | 9 | 33 | .2 | 2 | 2 | 20 | .14 | .054 | 19 | 59 | .87 | 170 | .01 | 7 | 1.05 | .02 | .14 | 1 |
| 90R38 70-75 | 7 | 20 | 20 | 71 | .4 | 26 | 5 | 202 | 1.94 | 18 | 5 | ND | 10 | 23 | .2 | 2 | 2 | 15 | .14 | .038 | 15 | 66 | .88 | 213 | .01 | 5 | 1.07 | .03 | .15 | 1 |
| 90R38 75-80 | 12 | 25 | 16 | 121 | .4 | 66 | 9 | 227 | 2.55 | 35 | 5 | ND | 10 | 28 | 1.0 | 2 | 2 | 9 | .42 | .043 | 33 | 67 | 1.12 | 178 | .01 | 3 | 1.25 | .01 | .16 | 1 |
| 90R38 80-85 | 15 | 43 | 23 | 159 | .7 | 126 | 18 | 422 | 2.45 | 74 | 5 | ND | 9 | 68 | 1.1 | 3 | 2 | 12 | 1.55 | .055 | 39 | 80 | 1.48 | 165 | .01 | 2 | 1.36 | .01 | .14 | 1 |
| 90R38 85-90 | 12 | 36 | 53 | 176 | .8 | 88 | 14 | 339 | 2.94 | 131 | 5 | ND | 13 | 51 | .5 | 4 | 2 | 11 | .61 | .051 | 34 | 75 | 1.60 | 180 | .01 | 5 | 1.76 | .01 | .18 | 1 |
| 90R38 90-95 | 5 | 13 | 56 | 55 | .5 | 23 | 5 | 108 | .98 | 78 | 5 | ND | 17 | 31 | .5 | 2 | 2 | 1 | .35 | .014 | 37 | 41 | .31 | 170 | .01 | 2 | .52 | .03 | .16 | 2 |
| 90R38 95-100 | 10 | 34 | 92 | 100 | 1.0 | 51 | 9 | 130 | 1.71 | 155 | 5 | ND | 14 | 25 | 1.5 | 2 | 2 | 6 | .17 | .031 | 35 | 62 | .57 | 159 | .01 | 7 | .82 | .02 | .17 | 2 |
| 90R38 100-105 | 13 | 45 | 21 | 182 | .5 | 85 | 17 | 355 | 3.38 | 225 | 5 | ND | 8 | 110 | 1.3 | 2 | 2 | 15 | 1.49 | .073 | 40 | 81 | 1.38 | 171 | .01 | 4 | 1.49 | .02 | .16 | 1 |
| 90R38 105-110 | 9 | 24 | 40 | 111 | .7 | 49 | 9 | 215 | 1.86 | 126 | 5 | ND | 19 | 29 | 1.3 | 4 | 2 | 5 | .18 | .032 | 56 | 57 | .80 | 240 | .01 | 4 | .99 | .03 | .20 | 1 |
| 90R38 110-115 | 7 | 18 | 26 | 98 | .6 | 54 | 10 | 208 | 1.44 | 99 | 5 | ND | 14 | 18 | .5 | 8 | 2 | 3 | .12 | .028 | 38 | 49 | .74 | 172 | .01 | 3 | .85 | .02 | .18 | 1 |
| 90R38 115-120 | 3 | 6 | 41 | 84 | .5 | 10 | 2 | 122 | 1.15 | 72 | 5 | ND | 19 | 20 | .4 | 4 | 2 | 1 | .29 | .008 | 35 | 42 | .63 | 223 | .01 | 5 | .75 | .04 | .26 | 1 |
| 90R38 120-125 | 3 | 6 | 30 | 69 | .2 | 9 | 2 | 67 | .77 | 59 | 5 | ND | 21 | 32 | .6 | 2 | 2 | 1 | .47 | .009 | 35 | 30 | .55 | 183 | .01 | 3 | .59 | .03 | .28 | 1 |
| 90R38 125-130 | 12 | 9 | 20 | 120 | .3 | 28 | 4 | 198 | 1.73 | 54 | 5 | ND | 22 | 25 | .2 | 3 | 2 | 5 | .23 | .022 | 34 | 38 | 1.24 | 280 | .01 | 4 | 1.14 | .04 | .32 | 1 |
| 90R38 130-135 | 9 | 27 | 20 | 153 | .3 | 54 | 11 | 254 | 2.59 | 143 | 5 | ND | 10 | 51 | 1.3 | 4 | 2 | 12 | .68 | .035 | 14 | 55 | 1.13 | 205 | .02 | 2 | 1.23 | .02 | .30 | 1 |
| 90R38 135-140 | 8 | 38 | 8 | 118 | .2 | 48 | 11 | 376 | 2.42 | 268 | 5 | ND | 6 | 68 | .2 | 2 | 2 | 17 | 1.34 | .055 | 9 | 45 | .97 | 151 | .02 | 4 | 1.05 | .01 | .25 | 1 |
| 90R38 140-145 | 4 | 27 | 18 | 95 | .3 | 36 | 10 | 263 | 1.99 | 66 | 5 | ND | 7 | 32 | .3 | 2 | 2 | 15 | .57 | .041 | 12 | 53 | .97 | 190 | .02 | 6 | 1.09 | .02 | .24 | 2 |
| 90R38 145-150 | 3 | 19 | 13 | 82 | .2 | 27 | 9 | 238 | 1.73 | 33 | 5 | ND | 8 | 37 | .2 | 2 | 2 | 10 | .75 | .037 | 11 | 45 | .93 | 183 | .02 | 6 | .96 | .02 | .24 | 2 |
| 90R38 150-155 | 3 | 32 | 4 | 81 | .3 | 37 | 12 | 255 | 2.20 | 16 | 5 | ND | 3 | 52 | .5 | 2 | 2 | 19 | .92 | .076 | 10 | 51 | .50 | 210 | .04 | 2 | .75 | .03 | .30 | 2 |
| 90R38 155-160 | 3 | 28 | 8 | 103 | .3 | 51 | 16 | 342 | 2.77 | 22 | 5 | ND | 4 | 48 | .7 | 2 | 2 | 26 | .63 | .106 | 15 | 61 | .94 | 207 | .03 | 6 | 1.06 | .02 | .32 | 1 |
| 90R38 160-165 | 9 | 41 | 16 | 133 | .5 | 67 | 16 | 490 | 3.32 | 66 | 5 | ND | 5 | 72 | .9 | 2 | 2 | 28 | 1.40 | .087 | 11 | 59 | 1.45 | 165 | .03 | 6 | 1.34 | .01 | .25 | 1 |
| 90R38 165-170 | 4 | 34 | 3 | 94 | .2 | 33 | 14 | 521 | 3.28 | 14 | 5 | ND | 3 | 61 | .3 | 3 | 2 | 43 | 1.00 | .065 | 12 | 52 | 1.91 | 79 | .02 | 7 | 1.67 | .01 | .12 | 1 |
| 90R38 170-175 | 5 | 36 | 18 | 116 | .3 | 34 | 14 | 551 | 3.82 | 12 | 5 | ND | 3 | 39 | .9 | 2 | 2 | 37 | .74 | .064 | 13 | 59 | 2.24 | 114 | .01 | 3 | 2.05 | .01 | .17 | 1 |
| 90R38 175-180 | 3 | 32 | 13 | 101 | .2 | 28 | 14 | 559 | 3.93 | 24 | 5 | ND | 2 | 51 | .2 | 3 | 2 | 45 | .89 | .069 | 7 | 47 | 2.38 | 80 | .02 | 5 | 2.12 | .01 | .13 | 1 |
| STANDARD C | 20 | 64 | 43 | 134 | 7.3 | 73 | 33 | 1076 | 3.96 | 43 | 17 | 7 | 38 | 52 | 18.6 | 15 | 18 | 58 | .48 | .094 | 39 | 60 | .88 | 187 | .09 | 41 | 1.88 | .07 | .14 | 12 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R38 180-185 | 3 | 36 | 11 | 86 | .3 | 31 | 12 | 373 | 2.90 | 22 | 5 | ND | 3 | 64 | .2 | 2 | 2 | 25 | 1.04 | .051 | 6 | 36 | 1.73 | 79 | .01 | 2 | 1.48 | .01 | .11 | 1 |
| 90R38 185-190 | 3 | 28 | 21 | 86 | .7 | 27 | 12 | 425 | 2.33 | 47 | 5 | ND | 7 | 86 | 1.5 | 2 | 2 | 17 | 1.42 | .070 | 18 | 43 | 1.34 | 112 | .01 | 5 | 1.28 | .01 | .15 | 1 |
| 90R38 190-195 | 2 | 29 | 6 | 73 | .3 | 22 | 11 | 409 | 2.78 | 17 | 5 | ND | 4 | 108 | .2 | 2 | 2 | 29 | 2.23 | .051 | 14 | 45 | 1.63 | 110 | .02 | 2 | 1.52 | .01 | .13 | 1 |
| 90R38 195-200 | 2 | 25 | 10 | 71 | .3 | 19 | 12 | 391 | 2.50 | 13 | 5 | ND | 4 | 101 | .3 | 2 | 2 | 28 | 2.09 | .056 | 16 | 43 | 1.43 | 111 | .06 | 3 | 1.35 | .01 | .14 | 1 |
| 90R38 200-205 | 3 | 31 | 13 | 82 | .4 | 29 | 13 | 376 | 2.89 | 124 | 5 | ND | 4 | 67 | .2 | 3 | 2 | 25 | 1.31 | .056 | 18 | 38 | 1.78 | 102 | .04 | 3 | 1.56 | .01 | .13 | 1 |
| 90R38 205-210 | 2 | 32 | 9 | 76 | .3 | 21 | 12 | 446 | 2.95 | 14 | 5 | ND | 2 | 60 | .5 | 2 | 2 | 38 | 1.57 | .059 | 11 | 38 | 1.58 | 100 | .07 | 2 | 1.52 | .01 | .12 | 1 |
| 90R38 210-215 | 1 | 45 | 10 | 80 | .5 | 9 | 19 | 641 | 4.29 | 11 | 5 | ND | 1 | 65 | .2 | 4 | 2 | 62 | 2.15 | .045 | 3 | 23 | 2.06 | 58 | .08 | 2 | 2.14 | .01 | .07 | 1 |
| 90R38 215-220 | 2 | 47 | 14 | 85 | .6 | 28 | 13 | 702 | 3.47 | 14 | 5 | ND | 1 | 110 | .5 | 2 | 2 | 17 | 2.22 | .053 | 11 | 35 | 1.43 | 102 | .03 | 2 | 1.20 | .01 | .12 | 1 |
| 90R38 220-225 | 5 | 25 | 18 | 77 | 1.1 | 26 | 10 | 678 | 3.04 | 169 | 5 | ND | 2 | 171 | .6 | 4 | 2 | 5 | 3.45 | .061 | 6 | 25 | .78 | 72 | .01 | 2 | .58 | .01 | .13 | 1 |
| 90R38 225-230 | 19 | 42 | 67 | 183 | 2.6 | 51 | 10 | 483 | 2.79 | 226 | 5 | ND | 4 | 112 | 2.0 | 6 | 2 | 9 | 2.56 | .071 | 9 | 31 | .86 | 73 | .02 | 2 | .62 | .01 | .15 | 1 |
| 90R38 230-235 | 13 | 32 | 25 | 127 | 2.4 | 41 | 10 | 431 | 2.84 | 1062 | 5 | ND | 3 | 119 | 2.2 | 8 | 2 | 5 | 2.79 | .060 | 8 | 25 | .40 | 73 | .01 | 5 | .32 | .01 | .15 | 1 |
| 90R38 235-240 | 9 | 55 | 35 | 162 | 3.1 | 29 | 9 | 586 | 2.87 | 170 | 5 | ND | 2 | 114 | 1.7 | 8 | 2 | 9 | 2.66 | .063 | 8 | 33 | 1.09 | 70 | .01 | 2 | .75 | .01 | .12 | 1 |
| 90R38 240-245 | 4 | 58 | 17 | 123 | .9 | 27 | 22 | 672 | 4.13 | 79 | 5 | ND | 1 | 112 | .2 | 6 | 2 | 51 | 2.62 | .044 | 6 | 29 | 2.32 | 64 | .01 | 4 | 2.03 | .01 | .09 | 1 |
| 90R38 245-250 | 1 | 40 | 8 | 93 | .6 | 11 | 21 | 728 | 5.82 | 22 | 5 | ND | 1 | 116 | .2 | 4 | 2 | 103 | 2.84 | .044 | 5 | 22 | 2.47 | 42 | .01 | 3 | 2.71 | .01 | .07 | 1 |
| STANDARD C | 20 | 64 | 38 | 134 | 7.3 | 73 | 32 | 1064 | 3.95 | 39 | 18 | 8 | 37 | 52 | 17.0 | 14 | 21 | 58 | .47 | .096 | 39 | 60 | .88 | 185 | .09 | 36 | 1.89 | .07 | .14 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R39 0-5 | 5 | 13 | 182 | 171 | .4 | 25 | 4 | 331 | 1.49 | 10 | 5 | ND | 3 | 12 | .5 | 2 | 2 | 11 | .15 | .024 | 5 | 38 | 1.09 | 135 | .01 | 2 | .82 | .01 | .07 | 1 |
| 90R39 5-10 | 4 | 23 | 294 | 335 | .7 | 16 | 5 | 353 | 1.73 | 20 | 5 | ND | 3 | 18 | 2.1 | 2 | 2 | 13 | .26 | .026 | 6 | 40 | 1.12 | 173 | .01 | 3 | .86 | .01 | .08 | 1 |
| 90R39 10-15 | 4 | 30 | 303 | 508 | .8 | 13 | 10 | 416 | 2.20 | 15 | 5 | ND | 5 | 14 | 4.2 | 2 | 2 | 14 | .15 | .027 | 10 | 48 | 1.12 | 143 | .01 | 4 | .91 | .01 | .08 | 1 |
| 90R39 15-20 | 4 | 53 | 228 | 397 | .5 | 12 | 8 | 344 | 1.93 | 10 | 5 | ND | 4 | 15 | 2.4 | 2 | 2 | 15 | .15 | .028 | 8 | 52 | 1.14 | 189 | .02 | 3 | .93 | .01 | .10 | 2 |
| 90R39 20-25 | 4 | 55 | 249 | 308 | .8 | 17 | 9 | 341 | 2.01 | 12 | 5 | ND | 6 | 31 | 1.8 | 2 | 2 | 21 | .34 | .038 | 15 | 48 | .94 | 269 | .03 | 2 | 1.01 | .01 | .10 | 1 |
| 90R39 25-30 | 5 | 19 | 71 | 117 | .8 | 8 | 5 | 164 | 1.40 | 5 | 5 | ND | 13 | 17 | 1.0 | 2 | 2 | 10 | .18 | .020 | 35 | 53 | .56 | 190 | .02 | 2 | .63 | .02 | .11 | 1 |
| 90R39 30-35 | 5 | 14 | 89 | 138 | .6 | 2 | 2 | 65 | 1.00 | 2 | 5 | ND | 18 | 7 | 14.5 | 2 | 2 | 2 | .03 | .005 | 37 | 38 | .31 | 150 | .01 | 2 | .34 | .01 | .10 | 3 |
| 90R39 35-40 | 3 | 125 | 722 | 1837 | 7.2 | 10 | 11 | 158 | 2.85 | 11 | 5 | ND | 11 | 18 | 33.5 | 22 | 4 | 39 | .26 | .062 | 30 | 27 | 1.12 | 168 | .04 | 4 | 1.14 | .03 | .11 | 1 |
| 90R39 40-45 | 2 | 29 | 146 | 2446 | 1.4 | 17 | 25 | 288 | 6.48 | 10 | 5 | ND | 2 | 43 | 22.4 | 10 | 2 | 94 | .67 | .172 | 28 | 34 | 2.64 | 215 | .11 | 2 | 2.53 | .09 | .13 | 1 |
| 90R39 45-50 | 2 | 67 | 336 | 1551 | 4.7 | 12 | 13 | 194 | 3.85 | 2 | 5 | ND | 6 | 16 | 16.6 | 2 | 2 | 50 | .28 | .085 | 15 | 27 | 1.42 | 170 | .02 | 2 | 1.44 | .02 | .13 | 1 |
| 90R39 50-55 | 1 | 35 | 124 | 2339 | 1.6 | 17 | 22 | 370 | 6.22 | 2 | 5 | ND | 2 | 41 | 15.2 | 4 | 2 | 85 | .72 | .152 | 21 | 26 | 2.66 | 251 | .07 | 2 | 2.38 | .07 | .12 | 1 |
| 90R39 55-60 | 6 | 47 | 223 | 479 | 5.5 | 5 | 2 | 41 | 1.26 | 2 | 5 | ND | 17 | 8 | 4.7 | 4 | 2 | 3 | .06 | .010 | 17 | 28 | .26 | 135 | .01 | 2 | .38 | .01 | .14 | 1 |
| 90R39 60-65 | 2 | 31 | 83 | 1409 | 2.0 | 16 | 21 | 740 | 6.29 | 5 | 5 | ND | 3 | 78 | 8.2 | 8 | 2 | 80 | 2.67 | .143 | 25 | 26 | 2.56 | 166 | .04 | 2 | 2.34 | .05 | .13 | 1 |
| 90R39 65-70 | 5 | 78 | 309 | 1587 | 5.5 | 12 | 12 | 477 | 3.39 | 2 | 5 | ND | 10 | 50 | 7.8 | 8 | 2 | 39 | 1.87 | .075 | 25 | 32 | 1.54 | 176 | .01 | 2 | 1.44 | .02 | .15 | 1 |
| 90R39 70-75 | 6 | 93 | 1501 | 894 | 4.6 | 5 | 3 | 149 | 1.19 | 8 | 5 | ND | 16 | 17 | 4.2 | 28 | 2 | 4 | .50 | .008 | 30 | 35 | .35 | 136 | .01 | 2 | .42 | .01 | .15 | 1 |
| 90R39 75-80 | 4 | 149 | 1221 | 920 | 4.6 | 8 | 8 | 633 | 2.26 | 11 | 5 | ND | 10 | 24 | 5.1 | 30 | 2 | 13 | .91 | .014 | 16 | 34 | 1.70 | 83 | .01 | 4 | 1.16 | .01 | .13 | 1 |
| 90R39 80-85 | 1 | 34 | 461 | 445 | 1.4 | 15 | 18 | 1255 | 4.13 | 5 | 5 | ND | 1 | 17 | .9 | 9 | 2 | 34 | .73 | .020 | 4 | 28 | 3.95 | 56 | .01 | 3 | 2.40 | .01 | .09 | 1 |
| 90R39 85-90 | 2 | 74 | 1575 | 2376 | 1.7 | 19 | 20 | 1122 | 4.69 | 3 | 5 | ND | 1 | 12 | 18.0 | 4 | 2 | 36 | .48 | .023 | 5 | 28 | 3.60 | 50 | .01 | 2 | 2.23 | .01 | .10 | 1 |
| 90R39 90-95 | 3 | 195 | 2361 | 3867 | 1.9 | 5 | 7 | 472 | 2.39 | 8 | 5 | ND | 3 | 11 | 32.6 | 2 | 2 | 5 | .36 | .031 | 8 | 32 | .82 | 73 | .01 | 4 | .69 | .02 | .13 | 1 |
| 90R39 95-100 | 1 | 146 | 1613 | 2223 | 2.0 | 14 | 15 | 997 | 3.84 | 21 | 5 | ND | 1 | 16 | 15.6 | 2 | 2 | 11 | .58 | .029 | 4 | 33 | 1.98 | 61 | .01 | 2 | 1.34 | .01 | .13 | 1 |
| 90R39 100-105 | 2 | 95 | 2301 | 2469 | 1.9 | 17 | 19 | 1035 | 4.36 | 16 | 5 | ND | 1 | 14 | 17.2 | 6 | 3 | 15 | .49 | .029 | 4 | 36 | 2.28 | 56 | .01 | 2 | 1.49 | .01 | .12 | 1 |
| 90R39 105-110 | 1 | 140 | 1538 | 2202 | 1.5 | 22 | 23 | 1300 | 4.71 | 28 | 5 | ND | 1 | 26 | 14.9 | 3 | 2 | 26 | .79 | .025 | 3 | 44 | 2.50 | 50 | .01 | 2 | 1.67 | .02 | .11 | 1 |
| 90R39 110-115 | 1 | 128 | 1456 | 1851 | 1.4 | 18 | 25 | 1474 | 4.34 | 19 | 5 | ND | 1 | 34 | 13.3 | 3 | 2 | 21 | .95 | .023 | 2 | 37 | 2.42 | 57 | .01 | 2 | 1.52 | .01 | .09 | 1 |
| 90R39 115-120 | 2 | 127 | 1011 | 1496 | 2.2 | 10 | 9 | 592 | 2.86 | 16 | 5 | ND | 1 | 11 | 14.6 | 3 | 5 | 8 | .25 | .031 | 3 | 35 | 1.85 | 66 | .01 | 6 | 1.31 | .01 | .08 | 1 |
| 90R39 120-125 | 2 | 95 | 1290 | 1173 | 2.4 | 10 | 9 | 699 | 2.58 | 16 | 5 | ND | 1 | 29 | 14.9 | 2 | 5 | 5 | .76 | .028 | 3 | 32 | 1.66 | 77 | .01 | 2 | 1.07 | .02 | .09 | 1 |
| 90R39 125-130 | 2 | 64 | 222 | 509 | .7 | 7 | 6 | 594 | 1.98 | 16 | 5 | ND | 5 | 37 | 4.8 | 2 | 3 | 1 | .96 | .019 | 7 | 28 | .84 | 90 | .01 | 2 | .54 | .01 | .12 | 1 |
| 90R39 130-135 | 3 | 39 | 241 | 529 | .7 | 6 | 7 | 653 | 2.50 | 24 | 5 | ND | 4 | 38 | 5.2 | 2 | 2 | 1 | 1.04 | .019 | 5 | 34 | .85 | 74 | .01 | 3 | .51 | .01 | .11 | 1 |
| 90R39 135-140 | 3 | 27 | 70 | 202 | .5 | 6 | 4 | 456 | 1.95 | 18 | 5 | ND | 6 | 31 | 2.1 | 2 | 3 | 1 | .90 | .020 | 5 | 37 | .60 | 93 | .01 | 4 | .39 | .01 | .15 | 1 |
| 90R39 140-145 | 3 | 39 | 54 | 207 | .4 | 6 | 6 | 540 | 2.28 | 19 | 5 | ND | 5 | 31 | 1.9 | 2 | 2 | 1 | 1.01 | .021 | 5 | 25 | .86 | 86 | .01 | 4 | .56 | .01 | .12 | 1 |
| 90R39 145-150 | 3 | 18 | 28 | 185 | .3 | 7 | 7 | 448 | 2.03 | 6 | 5 | ND | 6 | 21 | .7 | 2 | 2 | 1 | .64 | .015 | 6 | 32 | .64 | 94 | .01 | 5 | .57 | .02 | .14 | 1 |
| 90R39 150-155 | 3 | 15 | 93 | 214 | .7 | 8 | 6 | 592 | 1.99 | 7 | 5 | ND | 6 | 37 | 1.5 | 2 | 3 | 1 | 1.13 | .017 | 5 | 30 | .64 | 83 | .01 | 4 | .43 | .03 | .12 | 1 |
| 90R39 155-160 | 4 | 10 | 52 | 253 | .5 | 9 | 7 | 592 | 2.17 | 7 | 5 | ND | 5 | 38 | 1.9 | 2 | 2 | 1 | 1.16 | .023 | 4 | 32 | .72 | 86 | .01 | 5 | .64 | .03 | .13 | 1 |
| 90R39 160-165 | 2 | 12 | 94 | 426 | .5 | 21 | 15 | 1129 | 2.87 | 6 | 5 | ND | 1 | 69 | 3.0 | 2 | 2 | 10 | 2.10 | .039 | 2 | 71 | 1.31 | 75 | .01 | 2 | .95 | .01 | .11 | 1 |
| 90R39 165-170 | 2 | 26 | 153 | 761 | .6 | 12 | 10 | 685 | 2.25 | 5 | 5 | ND | 2 | 38 | 4.9 | 2 | 2 | 2 | .98 | .022 | 3 | 54 | .67 | 73 | .01 | 3 | .54 | .02 | .13 | 1 |
| 90R39 170-175 | 2 | 40 | 41 | 287 | .5 | 12 | 12 | 931 | 2.37 | 5 | 5 | ND | 1 | 52 | 2.0 | 2 | 2 | 11 | 1.23 | .022 | 2 | 37 | 1.20 | 73 | .01 | 4 | .79 | .02 | .08 | 1 |
| 90R39 175-180 | 1 | 38 | 51 | 204 | .4 | 11 | 12 | 808 | 2.58 | 7 | 5 | ND | 1 | 43 | 1.7 | 2 | 3 | 6 | 1.04 | .025 | 2 | 28 | 1.02 | 64 | .01 | 3 | .70 | .02 | .07 | 1 |
| STANDARD C | 20 | 62 | 38 | 133 | 7.2 | 70 | 32 | 1058 | 3.95 | 41 | 16 | 7 | 36 | 52 | 18.6 | 14 | 19 | 57 | .48 | .096 | 39 | 61 | .88 | 185 | .09 | 33 | 1.88 | .07 | .13 | 11 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R39 180-185 | 5 | 20 | 80 | 257 | .2 | 9 | 12 | 565 | 2.63 | 9 | 5 | ND | 1 | 27 | 2.3 | 2 | 2 | 3 | .77 | .028 | 2 | 27 | .78 | 53 | .01 | 5 | .59 | .02 | .07 | 2 |
| 90R39 185-190 | 4 | 22 | 101 | 257 | .5 | 11 | 12 | 714 | 2.84 | 26 | 5 | ND | 1 | 29 | 2.4 | 2 | 3 | 7 | .80 | .032 | 3 | 46 | 1.30 | 62 | .01 | 3 | .93 | .01 | .09 | 1 |
| 90R39 190-195 | 4 | 65 | 220 | 494 | 1.0 | 15 | 16 | 431 | 3.54 | 47 | 5 | ND | 2 | 18 | 4.5 | 3 | 2 | 6 | .45 | .040 | 7 | 35 | 1.31 | 49 | .01 | 2 | 1.06 | .01 | .07 | 1 |
| 90R39 195-200 | 3 | 42 | 57 | 256 | .3 | 43 | 29 | 348 | 5.42 | 82 | 5 | ND | 1 | 10 | 1.9 | 8 | 2 | 15 | .19 | .041 | 2 | 49 | 2.32 | 31 | .01 | 2 | 1.58 | .01 | .07 | 1 |
| 90R39 200-205 | 3 | 84 | 415 | 213 | 1.2 | 13 | 15 | 207 | 3.69 | 74 | 5 | ND | 1 | 9 | 3.6 | 3 | 2 | 3 | .20 | .028 | 3 | 31 | .73 | 40 | .01 | 2 | .63 | .01 | .07 | 1 |
| 90R39 205-210 | 2 | 44 | 171 | 159 | .5 | 9 | 18 | 295 | 3.97 | 38 | 5 | ND | 1 | 11 | 1.9 | 2 | 2 | 8 | .26 | .027 | 2 | 31 | 1.15 | 34 | .01 | 4 | .88 | .01 | .06 | 1 |
| 90R39 210-215 | 1 | 180 | 110 | 271 | .8 | 13 | 30 | 621 | 4.61 | 60 | 5 | ND | 1 | 20 | 3.5 | 4 | 2 | 28 | .43 | .038 | 2 | 29 | 2.76 | 32 | .01 | 2 | 1.92 | .01 | .04 | 1 |
| 90R39 215-220 | 3 | 138 | 147 | 131 | 1.0 | 7 | 15 | 429 | 3.62 | 39 | 5 | ND | 1 | 29 | 6.2 | 2 | 3 | 9 | .70 | .026 | 2 | 31 | .93 | 33 | .01 | 4 | .76 | .02 | .06 | 1 |
| 90R39 220-225 | 3 | 82 | 127 | 310 | .8 | 14 | 17 | 528 | 3.10 | 26 | 5 | ND | 1 | 21 | 3.2 | 2 | 2 | 11 | .48 | .019 | 3 | 58 | 1.73 | 49 | .01 | 2 | 1.17 | .02 | .07 | 1 |
| 90R39 225-230 | 5 | 104 | 99 | 306 | .6 | 18 | 20 | 626 | 3.57 | 27 | 5 | ND | 1 | 14 | 2.4 | 2 | 2 | 14 | .24 | .020 | 3 | 65 | 2.72 | 41 | .01 | 2 | 1.60 | .02 | .10 | 1 |
| 90R39 230-235 | 5 | 186 | 57 | 176 | .7 | 8 | 12 | 389 | 1.99 | 22 | 5 | ND | 1 | 16 | 4.1 | 2 | 2 | 6 | .29 | .020 | 2 | 44 | 1.60 | 36 | .01 | 4 | 1.07 | .02 | .08 | 1 |
| 90R39 235-240 | 3 | 32 | 31 | 88 | .2 | 1 | 2 | 238 | .98 | 2 | 5 | ND | 7 | 43 | 1.1 | 2 | 2 | 2 | 1.11 | .006 | 11 | 36 | .59 | 47 | .01 | 3 | .45 | .01 | .09 | 1 |
| 90R39 240-245 | 4 | 22 | 51 | 90 | .1 | 2 | 2 | 228 | .91 | 2 | 5 | ND | 8 | 54 | .9 | 2 | 2 | 1 | 1.44 | .003 | 29 | 43 | .57 | 72 | .01 | 3 | .42 | .01 | .11 | 1 |
| 90R39 245-250 | 6 | 10 | 47 | 73 | .3 | 2 | 2 | 179 | .99 | 2 | 5 | ND | 9 | 32 | .8 | 2 | 2 | 2 | 1.21 | .002 | 24 | 63 | .41 | 114 | .01 | 6 | .37 | .02 | .09 | 1 |
| 90R39 250-255 | 3 | 23 | 26 | 57 | .1 | 3 | 2 | 165 | .98 | 4 | 5 | ND | 9 | 30 | .5 | 2 | 2 | 1 | 1.11 | .004 | 17 | 40 | .39 | 69 | .01 | 2 | .35 | .02 | .07 | 1 |
| 90R39 255-260 | 3 | 7 | 36 | 64 | .2 | 2 | 2 | 158 | .77 | 2 | 5 | ND | 9 | 34 | .7 | 2 | 2 | 2 | .85 | .005 | 20 | 36 | .35 | 110 | .01 | 2 | .32 | .02 | .09 | 1 |
| 90R39 260-265 | 3 | 11 | 37 | 87 | .3 | 1 | 1 | 141 | .79 | 5 | 5 | ND | 10 | 44 | .3 | 2 | 2 | 1 | .84 | .002 | 30 | 35 | .32 | 154 | .01 | 2 | .28 | .01 | .08 | 1 |
| 90R39 265-270 | 5 | 7 | 45 | 114 | .2 | 4 | 1 | 167 | .95 | 2 | 5 | ND | 10 | 44 | .6 | 2 | 2 | 2 | .65 | .004 | 31 | 40 | .55 | 127 | .01 | 2 | .38 | .01 | .10 | 1 |
| 90R39 270-275 | 4 | 20 | 96 | 304 | .5 | 5 | 4 | 217 | 1.18 | 5 | 5 | ND | 8 | 54 | 2.3 | 2 | 2 | 4 | .76 | .008 | 31 | 40 | .63 | 139 | .01 | 2 | .48 | .01 | .09 | 1 |
| 90R39 275-280 | 7 | 5 | 18 | 297 | .1 | 4 | 2 | 117 | .76 | 3 | 5 | ND | 11 | 41 | 1.3 | 2 | 2 | 1 | .51 | .001 | 35 | 40 | .53 | 239 | .01 | 5 | .40 | .01 | .09 | 1 |
| 90R39 280-285 | 4 | 25 | 445 | 248 | 3.3 | 7 | 4 | 197 | 1.27 | 3 | 5 | ND | 11 | 32 | 3.0 | 4 | 4 | 6 | .46 | .011 | 27 | 43 | .59 | 145 | .01 | 5 | .51 | .02 | .11 | 3 |
| 90R39 285-290 | 3 | 19 | 180 | 318 | 1.1 | 4 | 4 | 222 | 1.30 | 4 | 5 | ND | 9 | 50 | 2.4 | 2 | 2 | 7 | .69 | .013 | 28 | 41 | .80 | 122 | .01 | 3 | .59 | .02 | .10 | 2 |
| 90R39 290-295 | 3 | 29 | 141 | 286 | .7 | 4 | 4 | 195 | 1.18 | 6 | 5 | ND | 9 | 38 | 3.1 | 2 | 2 | 6 | .50 | .012 | 25 | 37 | .73 | 174 | .01 | 3 | .54 | .01 | .10 | 2 |
| 90R39 295-300 | 4 | 29 | 163 | 415 | 1.5 | 7 | 6 | 231 | 1.41 | 8 | 5 | ND | 9 | 36 | 4.0 | 4 | 2 | 9 | .40 | .015 | 24 | 43 | .88 | 212 | .01 | 2 | .68 | .01 | .12 | 2 |
| STANDARD C | 21 | 62 | 39 | 135 | 7.4 | 76 | 32 | 1073 | 4.04 | 43 | 18 | 8 | 36 | 52 | 18.8 | 15 | 20 | 57 | .49 | .095 | 39 | 59 | .90 | 185 | .09 | 35 | 1.92 | .07 | .13 | 12 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R45 0-5 | 5 | 11 | 10 | 54 | .1 | 15 | 5 | 246 | 1.61 | 21 | 5 | ND | 5 | 22 | .4 | 2 | 2 | 15 | .40 | .031 | 9 | 53 | .72 | 194 | .02 | 2 | .82 | .01 | .11 | 1 |
| 90R45 5-10 | 3 | 8 | 11 | 41 | .1 | 10 | 3 | 160 | 1.25 | 12 | 5 | ND | 5 | 15 | .2 | 2 | 2 | 10 | .20 | .027 | 9 | 38 | .55 | 187 | .01 | 2 | .61 | .01 | .09 | 1 |
| 90R45 10-15 | 4 | 7 | 11 | 47 | .1 | 13 | 5 | 213 | 1.50 | 12 | 5 | ND | 4 | 17 | .2 | 2 | 2 | 12 | .24 | .032 | 9 | 45 | .63 | 190 | .01 | 2 | .71 | .01 | .09 | 1 |
| 90R45 15-20 | 3 | 18 | 9 | 73 | .1 | 19 | 7 | 312 | 2.15 | 16 | 5 | ND | 3 | 67 | .2 | 2 | 2 | 20 | 1.01 | .044 | 7 | 36 | 1.12 | 141 | .02 | 3 | 1.07 | .01 | .18 | 1 |
| 90R45 20-25 | 3 | 26 | 4 | 80 | .2 | 17 | 7 | 318 | 2.51 | 11 | 5 | ND | 4 | 82 | .3 | 2 | 2 | 21 | 1.34 | .054 | 8 | 46 | 1.41 | 100 | .03 | 3 | 1.36 | .01 | .24 | 1 |
| 90R45 25-30 | 3 | 22 | 17 | 81 | .1 | 19 | 8 | 391 | 2.52 | 61 | 5 | ND | 3 | 88 | .4 | 2 | 5 | 22 | 1.45 | .052 | 8 | 35 | 1.44 | 91 | .02 | 2 | 1.39 | .01 | .24 | 1 |
| 90R45 30-35 | 4 | 33 | 19 | 100 | .1 | 27 | 8 | 461 | 2.89 | 144 | 5 | ND | 3 | 66 | .3 | 2 | 2 | 26 | 1.15 | .049 | 6 | 43 | 1.75 | 66 | .02 | 2 | 1.65 | .01 | .19 | 1 |
| 90R45 35-40 | 5 | 40 | 23 | 108 | .1 | 33 | 10 | 513 | 3.23 | 82 | 5 | ND | 4 | 47 | .4 | 2 | 2 | 30 | 1.02 | .051 | 6 | 48 | 1.88 | 60 | .01 | 4 | 1.86 | .01 | .18 | 1 |
| 90R45 40-45 | 8 | 27 | 7 | 113 | .2 | 26 | 11 | 466 | 3.50 | 34 | 5 | ND | 3 | 23 | .3 | 3 | 5 | 27 | .70 | .053 | 5 | 98 | 2.00 | 44 | .01 | 5 | 1.93 | .01 | .13 | 1 |
| 90R45 45-50 | 6 | 23 | 22 | 89 | .2 | 15 | 7 | 614 | 2.76 | 34 | 5 | ND | 4 | 41 | .2 | 3 | 2 | 16 | 1.24 | .042 | 5 | 71 | 1.57 | 48 | .01 | 2 | 1.43 | .01 | .15 | 1 |
| 90R45 50-55 | 6 | 33 | 31 | 100 | .2 | 19 | 7 | 561 | 2.43 | 35 | 5 | ND | 4 | 38 | .4 | 2 | 2 | 18 | 1.11 | .040 | 6 | 63 | 1.49 | 77 | .01 | 4 | 1.42 | .01 | .22 | 1 |
| 90R45 55-60 | 7 | 32 | 26 | 130 | .4 | 28 | 10 | 565 | 2.96 | 63 | 5 | ND | 4 | 54 | 1.1 | 3 | 2 | 23 | 1.27 | .050 | 5 | 78 | 1.77 | 60 | .01 | 3 | 1.57 | .01 | .15 | 1 |
| 90R45 60-65 | 4 | 22 | 8 | 93 | .1 | 20 | 8 | 467 | 2.64 | 22 | 5 | ND | 3 | 137 | .8 | 2 | 3 | 22 | 2.07 | .057 | 7 | 55 | 1.53 | 76 | .02 | 2 | 1.39 | .01 | .27 | 1 |
| 90R45 65-70 | 6 | 31 | 6 | 98 | .1 | 22 | 11 | 446 | 2.97 | 26 | 5 | ND | 4 | 128 | .7 | 2 | 2 | 34 | 2.29 | .053 | 7 | 68 | 1.63 | 107 | .04 | 3 | 1.48 | .01 | .37 | 1 |
| 90R45 70-75 | 3 | 101 | 5 | 99 | 1.0 | 15 | 15 | 692 | 4.57 | 19 | 5 | ND | 4 | 125 | .8 | 2 | 3 | 75 | 3.08 | .051 | 5 | 39 | 1.91 | 118 | .09 | 2 | 1.99 | .01 | .41 | 1 |
| 90R45 75-80 | 4 | 46 | 83 | 231 | 1.1 | 47 | 15 | 740 | 4.02 | 121 | 5 | ND | 3 | 85 | 1.8 | 3 | 2 | 34 | 2.57 | .045 | 3 | 72 | 2.24 | 77 | .01 | 2 | 2.02 | .01 | .16 | 1 |
| 90R45 80-85 | 5 | 35 | 61 | 192 | .6 | 49 | 17 | 947 | 4.10 | 66 | 5 | ND | 2 | 97 | 1.6 | 3 | 3 | 41 | 3.62 | .039 | 2 | 118 | 2.26 | 64 | .01 | 2 | 2.13 | .01 | .15 | 1 |
| 90R45 85-90 | 10 | 32 | 86 | 116 | .5 | 43 | 15 | 843 | 3.90 | 94 | 5 | ND | 2 | 110 | .7 | 2 | 5 | 40 | 3.36 | .050 | 4 | 79 | 1.99 | 64 | .02 | 5 | 1.90 | .01 | .25 | 1 |
| 90R45 90-95 | 3 | 49 | 279 | 270 | 1.8 | 46 | 17 | 842 | 4.05 | 96 | 8 | ND | 2 | 86 | 2.4 | 2 | 2 | 36 | 3.09 | .042 | 3 | 74 | 1.95 | 40 | .02 | 3 | 1.79 | .01 | .16 | 1 |
| 90R45 95-100 | 3 | 46 | 185 | 293 | 1.2 | 13 | 11 | 704 | 3.71 | 60 | 5 | ND | 2 | 72 | 2.5 | 2 | 2 | 13 | 2.51 | .036 | 7 | 31 | 1.29 | 50 | .01 | 4 | 1.04 | .01 | .17 | 1 |
| 90R45 100-105 | 3 | 43 | 65 | 133 | .5 | 75 | 25 | 969 | 4.92 | 74 | 5 | ND | 1 | 120 | .7 | 2 | 2 | 47 | 4.35 | .034 | 2 | 205 | 2.21 | 35 | .02 | 3 | 1.88 | .01 | .15 | 1 |
| 90R45 105-110 | 2 | 20 | 45 | 122 | .3 | 112 | 21 | 1111 | 3.80 | 46 | 5 | ND | 2 | 179 | .5 | 2 | 2 | 55 | 5.71 | .030 | 2 | 356 | 2.52 | 31 | .03 | 2 | 2.10 | .01 | .17 | 1 |
| 90R45 110-115 | 4 | 36 | 42 | 118 | .4 | 119 | 19 | 854 | 3.46 | 212 | 5 | ND | 3 | 108 | 1.0 | 2 | 2 | 33 | 4.12 | .038 | 4 | 187 | 2.03 | 45 | .01 | 2 | 1.82 | .01 | .10 | 1 |
| 90R45 115-120 | 7 | 47 | 26 | 137 | .3 | 66 | 15 | 796 | 3.22 | 104 | 5 | ND | 3 | 95 | 1.1 | 2 | 2 | 26 | 3.72 | .040 | 2 | 104 | 1.91 | 74 | .01 | 6 | 1.78 | .01 | .10 | 1 |
| 90R45 120-125 | 8 | 46 | 36 | 148 | .2 | 73 | 15 | 760 | 3.18 | 134 | 5 | ND | 4 | 96 | 1.1 | 3 | 2 | 22 | 4.03 | .046 | 3 | 65 | 1.64 | 62 | .01 | 5 | 1.49 | .01 | .08 | 1 |
| 90R45 125-130 | 9 | 34 | 29 | 119 | .3 | 135 | 22 | 694 | 3.34 | 163 | 5 | ND | 5 | 127 | 1.0 | 2 | 3 | 36 | 4.37 | .045 | 2 | 214 | 2.01 | 54 | .01 | 3 | 1.82 | .01 | .06 | 1 |
| 90R45 130-135 | 4 | 13 | 116 | 228 | .7 | 93 | 20 | 901 | 4.01 | 80 | 5 | ND | 2 | 151 | 1.9 | 2 | 2 | 33 | 5.82 | .040 | 2 | 215 | 1.80 | 59 | .01 | 2 | 1.58 | .01 | .06 | 1 |
| 90R45 135-140 | 3 | 35 | 83 | 222 | .9 | 42 | 19 | 925 | 4.23 | 70 | 5 | ND | 4 | 137 | 2.1 | 2 | 2 | 23 | 5.02 | .036 | 2 | 81 | 1.58 | 50 | .01 | 2 | 1.36 | .01 | .05 | 1 |
| 90R45 140-145 | 3 | 25 | 39 | 132 | .4 | 121 | 23 | 1002 | 3.27 | 110 | 5 | ND | 2 | 174 | .9 | 2 | 3 | 44 | 5.93 | .035 | 2 | 289 | 2.06 | 39 | .01 | 2 | 1.88 | .01 | .03 | 1 |
| 90R45 145-150 | 4 | 27 | 13 | 78 | .1 | 28 | 12 | 437 | 2.87 | 50 | 5 | ND | 1 | 55 | .5 | 3 | 2 | 19 | 1.61 | .031 | 3 | 58 | 1.15 | 26 | .01 | 2 | 1.11 | .01 | .05 | 1 |
| 90R45 150-155 | 4 | 42 | 20 | 98 | .1 | 30 | 12 | 645 | 2.97 | 51 | 5 | ND | 2 | 110 | .6 | 3 | 2 | 37 | 3.31 | .040 | 4 | 62 | 1.49 | 40 | .01 | 4 | 1.64 | .01 | .05 | 1 |
| 90R45 155-160 | 4 | 56 | 34 | 98 | .1 | 41 | 13 | 803 | 3.24 | 82 | 5 | ND | 2 | 177 | 1.1 | 3 | 2 | 38 | 5.33 | .030 | 3 | 99 | 1.48 | 40 | .01 | 4 | 1.55 | .01 | .05 | 1 |
| 90R45 160-165 | 5 | 31 | 23 | 77 | .2 | 32 | 12 | 688 | 2.35 | 40 | 5 | ND | 3 | 140 | .8 | 3 | 2 | 26 | 4.49 | .023 | 5 | 88 | 1.08 | 37 | .01 | 2 | 1.20 | .01 | .07 | 1 |
| 90R45 165-170 | 4 | 20 | 20 | 63 | .1 | 30 | 11 | 486 | 2.11 | 41 | 5 | ND | 3 | 97 | .6 | 2 | 2 | 24 | 2.70 | .029 | 9 | 75 | 1.03 | 71 | .01 | 2 | 1.16 | .01 | .08 | 1 |
| 90R45 170-175 | 3 | 20 | 9 | 77 | .1 | 28 | 14 | 654 | 3.43 | 35 | 5 | ND | 4 | 109 | .6 | 2 | 2 | 44 | 2.36 | .076 | 16 | 65 | 1.47 | 275 | .09 | 2 | 1.51 | .09 | .09 | 1 |
| 90R45 175-180 | 3 | 11 | 12 | 44 | .1 | 13 | 7 | 322 | 1.98 | 15 | 6 | ND | 7 | 62 | .4 | 2 | 2 | 20 | 1.15 | .027 | 20 | 59 | 1.00 | 182 | .02 | 5 | 1.07 | .02 | .12 | 1 |
| STANDARD C | 19 | 56 | 37 | 132 | 6.7 | 69 | 31 | 1051 | 4.00 | 42 | 23 | 7 | 38 | 52 | 18.9 | 14 | 19 | 56 | .48 | .091 | 38 | 55 | .89 | 180 | .09 | 36 | 1.90 | .06 | .13 | 13 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R45 180-185 | 4 | 18 | 26 | 50 | 1.2 | 8 | 9 | 250 | 1.99 | 7 | 5 | ND | 4 | 79 | .6 | 2 | 2 | 24 | 1.55 | .036 | 10 | 61 | 1.09 | 89 | .03 | 3 | 1.19 | .01 | .10 | 1 |
| 90R45 185-190 | 4 | 19 | 14 | 63 | .1 | 19 | 10 | 272 | 2.04 | 8 | 5 | ND | 5 | 57 | 1.1 | 2 | 2 | 19 | 1.13 | .034 | 13 | 54 | 1.11 | 108 | .04 | 5 | 1.11 | .01 | .08 | 1 |
| 90R45 190-195 | 3 | 18 | 11 | 53 | .1 | 11 | 8 | 328 | 1.87 | 9 | 9 | ND | 5 | 88 | .6 | 2 | 2 | 17 | 1.78 | .032 | 12 | 47 | 1.04 | 100 | .03 | 2 | .99 | .01 | .09 | 1 |
| 90R45 195-200 | 3 | 28 | 14 | 71 | .3 | 28 | 10 | 310 | 2.14 | 10 | 5 | ND | 6 | 102 | .6 | 2 | 3 | 19 | 2.05 | .050 | 11 | 48 | 1.13 | 95 | .01 | 2 | 1.09 | .01 | .09 | 1 |
| 90R45 200-205 | 4 | 28 | 11 | 73 | .3 | 27 | 11 | 319 | 2.24 | 16 | 6 | ND | 6 | 83 | .6 | 2 | 5 | 24 | 1.72 | .050 | 14 | 63 | 1.14 | 113 | .01 | 2 | 1.12 | .01 | .10 | 1 |
| 90R45 205-210 | 4 | 28 | 10 | 71 | .1 | 30 | 12 | 330 | 2.47 | 22 | 5 | ND | 5 | 78 | .6 | 2 | 2 | 23 | 1.28 | .052 | 16 | 68 | 1.12 | 152 | .02 | 2 | 1.25 | .01 | .10 | 1 |
| 90R45 210-215 | 4 | 19 | 9 | 84 | .2 | 29 | 10 | 390 | 2.89 | 36 | 5 | ND | 6 | 70 | .7 | 2 | 3 | 23 | 1.31 | .059 | 15 | 65 | 1.26 | 139 | .01 | 3 | 1.45 | .01 | .11 | 1 |
| 90R45 215-220 | 4 | 47 | 17 | 105 | .3 | 38 | 18 | 674 | 4.06 | 23 | 5 | ND | 7 | 95 | 1.4 | 2 | 3 | 23 | 2.01 | .065 | 14 | 62 | 1.31 | 164 | .02 | 9 | 1.81 | .01 | .12 | 1 |
| 90R45 220-225 | 10 | 8 | 5 | 27 | .1 | 9 | 4 | 210 | .98 | 11 | 5 | ND | 1 | 41 | .3 | 2 | 2 | 7 | .89 | .015 | 4 | 121 | .36 | 91 | .01 | 2 | .45 | .01 | .04 | 1 |
| 90R45 225-230 | 5 | 14 | 7 | 62 | .1 | 22 | 7 | 421 | 2.06 | 11 | 5 | ND | 3 | 54 | .2 | 2 | 4 | 15 | 1.21 | .033 | 7 | 89 | .87 | 193 | .02 | 3 | 1.07 | .01 | .07 | 1 |
| 90R45 230-235 | 5 | 31 | 17 | 66 | .3 | 27 | 10 | 429 | 2.27 | 21 | 5 | ND | 5 | 80 | .8 | 2 | 3 | 19 | 1.93 | .051 | 10 | 65 | .93 | 153 | .03 | 2 | 1.09 | .01 | .10 | 1 |
| 90R45 235-240 | 4 | 28 | 10 | 73 | .4 | 30 | 11 | 439 | 2.18 | 15 | 6 | ND | 7 | 102 | .9 | 2 | 4 | 22 | 2.04 | .047 | 9 | 65 | 1.02 | 157 | .03 | 2 | 1.10 | .01 | .09 | 1 |
| 90R45 245-250 | 4 | 26 | 8 | 72 | .4 | 33 | 10 | 375 | 2.18 | 8 | 5 | ND | 3 | 89 | .8 | 2 | 2 | 17 | 1.46 | .048 | 8 | 58 | 1.12 | 111 | .04 | 3 | 1.08 | .01 | .08 | 1 |
| 90R45 250-255 | 5 | 31 | 10 | 76 | .2 | 37 | 15 | 326 | 2.90 | 16 | 5 | ND | 4 | 61 | .7 | 2 | 6 | 36 | .81 | .051 | 9 | 81 | 1.36 | 132 | .09 | 2 | 1.31 | .01 | .08 | 1 |
| 90R45 255-260 | 4 | 12 | 6 | 49 | .1 | 13 | 7 | 253 | 1.68 | 10 | 5 | ND | 2 | 45 | .3 | 2 | 4 | 16 | .88 | .027 | 4 | 55 | .84 | 110 | .04 | 2 | .88 | .01 | .08 | 1 |
| 90R45 260-265 | 3 | 16 | 2 | 52 | .1 | 8 | 9 | 442 | 2.07 | 10 | 5 | ND | 4 | 63 | .7 | 2 | 2 | 18 | 1.33 | .040 | 5 | 48 | 1.14 | 111 | .05 | 2 | 1.17 | .01 | .12 | 1 |
| 90R45 265-270 | 2 | 13 | 4 | 63 | .1 | 3 | 14 | 645 | 3.14 | 6 | 7 | ND | 4 | 150 | .8 | 2 | 2 | 58 | 3.86 | .029 | 5 | 25 | 1.85 | 66 | .03 | 2 | 1.77 | .01 | .11 | 1 |
| 90R45 270-275 | 3 | 13 | 10 | 42 | .3 | 7 | 8 | 339 | 1.69 | 11 | 5 | ND | 6 | 76 | .6 | 2 | 5 | 26 | 1.80 | .019 | 12 | 33 | .84 | 117 | .01 | 2 | .91 | .01 | .12 | 1 |
| 90R45 275-280 | 4 | 9 | 12 | 24 | .1 | 5 | 4 | 159 | .82 | 10 | 5 | ND | 7 | 38 | .6 | 2 | 2 | 5 | .79 | .014 | 18 | 41 | .26 | 124 | .01 | 2 | .36 | .01 | .13 | 1 |
| 90R45 280-285 | 5 | 18 | 14 | 52 | .2 | 16 | 8 | 274 | 1.43 | 27 | 5 | ND | 6 | 51 | .4 | 2 | 2 | 15 | 1.18 | .025 | 15 | 61 | .62 | 140 | .01 | 3 | .75 | .01 | .11 | 1 |
| 90R45 285-290 | 4 | 19 | 10 | 52 | .1 | 16 | 7 | 330 | 1.66 | 98 | 5 | ND | 4 | 71 | .5 | 2 | 4 | 13 | 1.77 | .032 | 10 | 47 | .55 | 106 | .03 | 2 | .69 | .01 | .11 | 1 |
| 90R45 290-295 | 3 | 24 | 6 | 74 | .1 | 21 | 10 | 443 | 2.36 | 12 | 7 | ND | 4 | 53 | .8 | 2 | 4 | 20 | 1.54 | .055 | 8 | 53 | 1.02 | 136 | .06 | 4 | 1.29 | .01 | .09 | 1 |
| 90R45 295-300 | 3 | 24 | 13 | 84 | .2 | 25 | 12 | 320 | 2.37 | 18 | 8 | ND | 4 | 59 | 1.1 | 2 | 2 | 25 | 1.52 | .052 | 7 | 58 | 1.30 | 133 | .05 | 3 | 1.40 | .01 | .09 | 1 |
| 90R45 300-305 | 3 | 22 | 9 | 78 | .1 | 14 | 10 | 352 | 2.39 | 17 | 5 | ND | 1 | 47 | 1.2 | 2 | 2 | 15 | 1.20 | .059 | 4 | 43 | 1.31 | 172 | .06 | 5 | 1.41 | .01 | .09 | 1 |
| 90R45 305-310 | 3 | 24 | 9 | 88 | .1 | 13 | 14 | 387 | 2.84 | 7 | 5 | ND | 1 | 33 | 1.0 | 2 | 3 | 16 | .91 | .069 | 3 | 48 | 1.59 | 80 | .09 | 5 | 1.69 | .01 | .06 | 1 |
| 90R45 310-315 | 3 | 17 | 9 | 73 | .3 | 7 | 12 | 475 | 3.13 | 7 | 5 | ND | 3 | 55 | 1.0 | 2 | 3 | 13 | 1.83 | .062 | 6 | 32 | 1.47 | 66 | .04 | 4 | 1.65 | .01 | .07 | 1 |
| 90R45 315-320 | 3 | 48 | 12 | 82 | .2 | 8 | 20 | 765 | 4.23 | 6 | 5 | ND | 4 | 92 | 1.5 | 2 | 2 | 30 | 3.17 | .045 | 5 | 27 | 1.91 | 30 | .01 | 2 | 2.11 | .01 | .06 | 1 |
| 90R45 320-325 | 2 | 42 | 16 | 94 | .2 | 14 | 16 | 693 | 3.26 | 11 | 5 | ND | 4 | 96 | 1.2 | 2 | 2 | 36 | 2.52 | .049 | 5 | 33 | 1.65 | 69 | .04 | 3 | 1.72 | .01 | .06 | 1 |
| 90R45 325-330 | 3 | 38 | 14 | 83 | .5 | 19 | 13 | 573 | 3.03 | 26 | 5 | ND | 4 | 85 | .9 | 2 | 6 | 34 | 2.16 | .049 | 7 | 38 | 1.51 | 88 | .03 | 7 | 1.64 | .01 | .08 | 1 |
| 90R45 330-335 | 2 | 27 | 20 | 76 | .1 | 18 | 13 | 695 | 2.95 | 22 | 5 | ND | 3 | 87 | .9 | 2 | 4 | 38 | 2.16 | .043 | 8 | 39 | 1.48 | 140 | .01 | 6 | 1.63 | .01 | .09 | 1 |
| 90R45 335-340 | 3 | 28 | 7 | 86 | .4 | 21 | 13 | 519 | 3.01 | 19 | 5 | ND | 6 | 80 | .9 | 2 | 4 | 41 | 1.71 | .050 | 7 | 53 | 1.48 | 114 | .06 | 2 | 1.72 | .02 | .17 | 1 |
| 90R45 340-345 | 4 | 31 | 19 | 85 | .2 | 24 | 13 | 461 | 2.71 | 23 | 5 | ND | 4 | 77 | 1.1 | 2 | 2 | 36 | 1.81 | .044 | 4 | 50 | 1.28 | 123 | .07 | 2 | 1.39 | .02 | .29 | 1 |
| 90R45 345-350 | 4 | 32 | 20 | 78 | .4 | 26 | 13 | 493 | 2.72 | 20 | 5 | ND | 5 | 60 | .9 | 2 | 2 | 24 | 1.22 | .049 | 6 | 60 | 1.66 | 90 | .05 | 2 | 1.52 | .01 | .18 | 1 |
| STANDARD C | 19 | 57 | 37 | 133 | 6.9 | 70 | 32 | 1051 | 3.97 | 40 | 18 | 7 | 38 | 52 | 18.7 | 16 | 21 | 56 | .48 | .091 | 38 | 55 | .88 | 182 | .09 | 34 | 1.87 | .06 | .13 | 11 |

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

**Northern Analytical Labs. Ltd.** PROJECT WO#13038 File # 90-6403 Page 1

105 Copper Road, Whitehorse YT Y1A 2Z7

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R46 0-5 | 5 | 11 | 19 | 26 | .1 | 10 | 5 | 82 | .80 | 6 | 5 | ND | 8 | 8 | .2 | 2 | 2 | 5 | .06 | .011 | 10 | 29 | .19 | 193 | .01 | 2 | .39 | .02 | .12 | 2 |
| 90R46 5-10 | 4 | 10 | 14 | 28 | .1 | 9 | 3 | 84 | .90 | 5 | 5 | ND | 8 | 9 | .2 | 2 | 2 | 6 | .07 | .013 | 12 | 41 | .18 | 248 | .02 | 4 | .41 | .02 | .14 | 1 |
| 90R46 10-15 | 4 | 10 | 15 | 28 | .1 | 8 | 6 | 72 | 1.03 | 5 | 5 | ND | 9 | 8 | .2 | 2 | 2 | 5 | .06 | .012 | 12 | 43 | .17 | 200 | .01 | 2 | .39 | .02 | .13 | 1 |
| 90R46 15-20 | 5 | 12 | 14 | 29 | .1 | 8 | 4 | 75 | .96 | 6 | 5 | ND | 9 | 9 | .2 | 2 | 2 | 4 | .06 | .012 | 11 | 44 | .16 | 469 | .01 | 2 | .39 | .02 | .14 | 1 |
| 90R46 20-25 | 4 | 10 | 12 | 25 | .1 | 5 | 3 | 61 | .87 | 3 | 5 | ND | 10 | 8 | .2 | 2 | 2 | 4 | .05 | .010 | 12 | 34 | .16 | 221 | .01 | 2 | .37 | .02 | .14 | 1 |
| 90R46 25-30 | 8 | 13 | 15 | 27 | .1 | 8 | 4 | 98 | 1.00 | 6 | 5 | ND | 9 | 12 | .2 | 2 | 2 | 4 | .08 | .013 | 13 | 77 | .17 | 257 | .01 | 2 | .40 | .03 | .15 | 1 |
| 90R46 30-35 | 5 | 7 | 12 | 30 | .1 | 8 | 5 | 145 | .97 | 5 | 5 | ND | 8 | 21 | .2 | 2 | 2 | 7 | .19 | .017 | 17 | 49 | .25 | 412 | .02 | 2 | .46 | .04 | .15 | 1 |
| 90R46 35-40 | 6 | 7 | 12 | 35 | .1 | 8 | 6 | 178 | 1.12 | 9 | 5 | ND | 7 | 24 | .2 | 2 | 2 | 9 | .26 | .024 | 18 | 62 | .35 | 380 | .02 | 2 | .55 | .03 | .15 | 1 |
| 90R46 40-45 | 5 | 18 | 23 | 50 | .1 | 9 | 9 | 322 | 2.06 | 6 | 5 | ND | 5 | 38 | .2 | 2 | 2 | 24 | .57 | .041 | 14 | 53 | .75 | 440 | .03 | 2 | .92 | .03 | .14 | 1 |
| 90R46 45-50 | 3 | 20 | 8 | 50 | .1 | 10 | 9 | 400 | 2.40 | 6 | 5 | ND | 5 | 55 | .2 | 2 | 2 | 31 | .91 | .032 | 13 | 39 | .96 | 257 | .02 | 2 | 1.08 | .02 | .12 | 2 |
| 90R46 50-55 | 2 | 23 | 9 | 78 | .1 | 10 | 11 | 498 | 3.67 | 5 | 5 | ND | 4 | 149 | .2 | 2 | 2 | 27 | 2.51 | .055 | 19 | 42 | 1.60 | 128 | .01 | 2 | 1.81 | .01 | .14 | 3 |
| 90R46 55-60 | 1 | 30 | 3 | 77 | .1 | 9 | 18 | 706 | 4.72 | 9 | 5 | ND | 1 | 120 | .2 | 3 | 2 | 58 | 2.64 | .047 | 11 | 35 | 2.18 | 150 | .04 | 2 | 2.49 | .02 | .17 | 2 |
| 90R46 60-65 | 1 | 25 | 10 | 86 | .3 | 12 | 14 | 609 | 4.15 | 12 | 5 | ND | 2 | 131 | .2 | 4 | 2 | 52 | 2.35 | .049 | 14 | 53 | 1.89 | 120 | .02 | 2 | 2.08 | .02 | .13 | 1 |
| 90R46 65-70 | 4 | 38 | 7 | 94 | .4 | 35 | 13 | 479 | 3.67 | 89 | 5 | ND | 4 | 101 | .2 | 3 | 2 | 42 | 2.22 | .059 | 18 | 50 | 1.85 | 368 | .01 | 2 | 1.99 | .02 | .13 | 2 |
| 90R46 70-75 | 5 | 39 | 2 | 102 | .5 | 31 | 14 | 478 | 3.71 | 70 | 5 | ND | 4 | 117 | .2 | 5 | 2 | 48 | 2.25 | .060 | 19 | 70 | 1.87 | 377 | .01 | 2 | 2.09 | .02 | .17 | 1 |
| 90R46 75-80 | 3 | 34 | 11 | 95 | .3 | 28 | 14 | 537 | 3.57 | 49 | 5 | ND | 3 | 118 | .2 | 2 | 2 | 41 | 2.29 | .058 | 17 | 50 | 1.86 | 139 | .01 | 2 | 1.84 | .01 | .15 | 1 |
| 90R46 80-85 | 2 | 25 | 8 | 99 | .2 | 23 | 14 | 537 | 3.70 | 48 | 5 | ND | 4 | 150 | .2 | 2 | 2 | 32 | 3.18 | .060 | 19 | 47 | 1.64 | 161 | .01 | 2 | 1.81 | .01 | .14 | 1 |
| 90R46 85-90 | 4 | 32 | 15 | 96 | .6 | 25 | 12 | 478 | 3.34 | 65 | 5 | ND | 4 | 89 | .3 | 3 | 2 | 25 | 1.71 | .057 | 15 | 49 | 1.59 | 123 | .01 | 2 | 1.43 | .01 | .14 | 1 |
| 90R46 90-95 | 8 | 37 | 25 | 99 | .6 | 32 | 14 | 443 | 3.45 | 53 | 5 | ND | 4 | 67 | .4 | 3 | 2 | 25 | 1.21 | .056 | 12 | 75 | 1.48 | 118 | .01 | 2 | 1.36 | .01 | .17 | 2 |
| 90R46 95-100 | 7 | 41 | 25 | 115 | .8 | 35 | 16 | 517 | 3.70 | 71 | 5 | ND | 3 | 77 | .6 | 6 | 2 | 25 | 1.37 | .059 | 10 | 63 | 1.72 | 105 | .01 | 2 | 1.47 | .01 | .19 | 1 |
| 90R46 100-105 | 5 | 39 | 26 | 81 | 1.0 | 32 | 17 | 719 | 3.77 | 53 | 5 | ND | 4 | 135 | .9 | 7 | 2 | 22 | 2.71 | .056 | 6 | 47 | 1.41 | 67 | .01 | 4 | 1.16 | .01 | .16 | 1 |
| 90R46 105-110 | 5 | 40 | 29 | 88 | 1.3 | 29 | 18 | 742 | 4.03 | 40 | 5 | ND | 2 | 104 | .2 | 6 | 2 | 19 | 2.05 | .060 | 4 | 69 | 1.80 | 99 | .01 | 2 | 1.33 | .01 | .19 | 1 |
| 90R46 110-115 | 4 | 25 | 6 | 92 | .6 | 16 | 13 | 754 | 3.56 | 11 | 5 | ND | 3 | 95 | .2 | 2 | 2 | 16 | 1.76 | .067 | 11 | 56 | 1.44 | 154 | .02 | 2 | 1.35 | .02 | .20 | 1 |
| 90R46 115-120 | 3 | 28 | 21 | 89 | 1.2 | 19 | 15 | 724 | 3.58 | 18 | 5 | ND | 3 | 98 | .5 | 4 | 2 | 23 | 1.85 | .065 | 11 | 46 | 1.56 | 117 | .01 | 2 | 1.30 | .02 | .16 | 1 |
| 90R46 120-125 | 2 | 17 | 18 | 104 | .2 | 11 | 10 | 771 | 3.56 | 13 | 5 | ND | 3 | 96 | .2 | 2 | 2 | 19 | 2.06 | .084 | 12 | 41 | 1.48 | 220 | .01 | 2 | 1.52 | .02 | .15 | 1 |
| 90R46 125-130 | 3 | 19 | 14 | 106 | .3 | 14 | 12 | 804 | 3.76 | 8 | 5 | ND | 3 | 77 | .2 | 3 | 2 | 27 | 1.57 | .078 | 15 | 60 | 1.86 | 233 | .01 | 2 | 1.74 | .03 | .16 | 1 |
| 90R46 130-135 | 3 | 21 | 10 | 98 | .2 | 18 | 13 | 641 | 3.54 | 7 | 5 | ND | 4 | 65 | .2 | 2 | 2 | 32 | 1.04 | .072 | 15 | 59 | 1.83 | 133 | .03 | 2 | 1.55 | .03 | .21 | 1 |
| 90R46 135-140 | 4 | 24 | 14 | 90 | .3 | 26 | 14 | 639 | 3.55 | 8 | 5 | ND | 3 | 69 | .2 | 2 | 2 | 36 | 1.24 | .059 | 11 | 91 | 1.92 | 128 | .02 | 2 | 1.66 | .03 | .20 | 2 |
| 90R46 140-145 | 3 | 16 | 26 | 105 | .2 | 13 | 10 | 948 | 3.71 | 6 | 5 | ND | 5 | 129 | .2 | 3 | 2 | 21 | 2.89 | .075 | 16 | 49 | 2.01 | 263 | .02 | 2 | 1.93 | .02 | .22 | 1 |
| 90R46 145-150 | 5 | 21 | 5 | 97 | .3 | 17 | 10 | 621 | 3.20 | 14 | 5 | ND | 3 | 69 | .2 | 5 | 2 | 20 | 1.67 | .061 | 11 | 83 | 1.90 | 173 | .01 | 2 | 1.71 | .02 | .18 | 1 |
| 90R46 150-155 | 6 | 37 | 28 | 122 | .6 | 29 | 14 | 570 | 3.61 | 90 | 5 | ND | 3 | 82 | .4 | 5 | 2 | 23 | 1.58 | .066 | 4 | 66 | 1.97 | 124 | .01 | 2 | 1.58 | .01 | .15 | 1 |
| 90R46 155-160 | 6 | 41 | 41 | 113 | .6 | 32 | 13 | 672 | 3.35 | 47 | 5 | ND | 3 | 90 | .2 | 3 | 2 | 22 | 1.64 | .065 | 5 | 68 | 1.95 | 128 | .01 | 2 | 1.41 | .01 | .14 | 1 |
| 90R46 160-165 | 4 | 29 | 11 | 111 | .2 | 27 | 13 | 549 | 3.72 | 11 | 5 | ND | 3 | 114 | .2 | 2 | 2 | 25 | 2.13 | .076 | 8 | 71 | 1.84 | 139 | .01 | 2 | 1.79 | .02 | .15 | 1 |
| 90R46 165-170 | 7 | 35 | 25 | 123 | .5 | 32 | 13 | 634 | 3.63 | 29 | 5 | ND | 3 | 133 | .3 | 2 | 2 | 26 | 2.21 | .074 | 10 | 88 | 1.80 | 180 | .01 | 2 | 1.76 | .02 | .18 | 1 |
| 90R46 170-175 | 5 | 41 | 34 | 99 | .7 | 35 | 15 | 640 | 3.69 | 59 | 5 | ND | 3 | 141 | .4 | 3 | 3 | 20 | 2.58 | .059 | 11 | 46 | 1.37 | 112 | .01 | 2 | 1.21 | .01 | .11 | 1 |
| 90R46 175-180 | 2 | 30 | 16 | 86 | .4 | 27 | 16 | 547 | 3.60 | 31 | 5 | ND | 3 | 101 | .2 | 3 | 2 | 29 | 1.89 | .065 | 11 | 41 | 1.66 | 127 | .01 | 2 | 1.57 | .01 | .11 | 1 |
| STANDARD C | 21 | 64 | 38 | 135 | 7.3 | 73 | 32 | 1076 | 3.98 | 41 | 20 | 7 | 40 | 53 | 18.9 | 14 | 22 | 60 | .48 | .096 | 39 | 59 | .89 | 181 | .09 | 32 | 1.89 | .07 | .14 | 11 |

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PULP

DATE RECEIVED: DEC 20 1990 DATE REPORT MAILED: Jan 2/91 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R46 180-185 | 11 | 45 | 22 | 153 | .5 | 74 | 14 | 507 | 3.29 | 55 | 5 | ND | 3 | 110 | 1.4 | 2 | 2 | 38 | 3.08 | .055 | 12 | 59 | 1.79 | 79 | .01 | 3 | 1.62 | .01 | .08 | 5 |
| 90R46 185-190 | 6 | 37 | 11 | 121 | .3 | 48 | 17 | 627 | 4.29 | 74 | 5 | ND | 3 | 110 | .6 | 2 | 2 | 56 | 3.05 | .063 | 14 | 60 | 2.12 | 118 | .02 | 2 | 2.15 | .02 | .12 | 1 |
| 90R46 190-195 | 4 | 31 | 23 | 87 | .5 | 23 | 12 | 479 | 3.33 | 17 | 5 | ND | 3 | 77 | .4 | 2 | 2 | 27 | 1.90 | .055 | 13 | 55 | 1.94 | 92 | .01 | 4 | 1.72 | .02 | .11 | 1 |
| 90R46 195-200 | 5 | 40 | 24 | 100 | .5 | 41 | 13 | 522 | 3.68 | 25 | 5 | ND | 3 | 104 | .6 | 3 | 2 | 32 | 2.69 | .055 | 11 | 55 | 1.79 | 97 | .01 | 2 | 1.57 | .02 | .09 | 1 |
| 90R46 200-205 | 8 | 36 | 26 | 108 | .5 | 48 | 12 | 477 | 2.95 | 66 | 5 | ND | 3 | 135 | .6 | 2 | 2 | 24 | 2.73 | .047 | 9 | 52 | 1.29 | 146 | .01 | 2 | 1.17 | .01 | .10 | 1 |
| 90R46 205-210 | 12 | 46 | 22 | 135 | .6 | 68 | 10 | 447 | 2.73 | 104 | 5 | ND | 3 | 168 | 1.2 | 2 | 2 | 24 | 3.06 | .055 | 7 | 72 | 1.41 | 133 | .01 | 5 | 1.23 | .01 | .11 | 1 |
| 90R46 210-215 | 12 | 20 | 16 | 68 | .4 | 37 | 6 | 196 | 1.45 | 148 | 5 | ND | 2 | 60 | .4 | 2 | 2 | 10 | 1.01 | .027 | 6 | 100 | .59 | 126 | .01 | 2 | .58 | .01 | .08 | 1 |
| 90R46 215-220 | 10 | 29 | 27 | 123 | .5 | 75 | 10 | 324 | 2.68 | 505 | 5 | ND | 6 | 114 | .8 | 4 | 2 | 12 | 1.95 | .042 | 9 | 61 | 1.19 | 125 | .01 | 4 | 1.01 | .01 | .12 | 2 |
| 90R46 220-225 | 7 | 23 | 27 | 112 | .3 | 106 | 10 | 367 | 2.45 | 265 | 5 | ND | 5 | 131 | .6 | 2 | 2 | 11 | 2.58 | .044 | 9 | 45 | 1.33 | 59 | .01 | 2 | .93 | .01 | .08 | 1 |
| 90R46 225-230 | 5 | 15 | 14 | 80 | .2 | 29 | 6 | 283 | 1.86 | 81 | 5 | ND | 7 | 79 | .3 | 2 | 2 | 6 | 1.35 | .023 | 13 | 55 | .93 | 164 | .01 | 2 | .91 | .03 | .15 | 1 |
| 90R46 230-235 | 4 | 18 | 20 | 58 | .3 | 16 | 6 | 358 | 1.89 | 31 | 5 | ND | 6 | 72 | .2 | 2 | 2 | 11 | 1.40 | .031 | 14 | 55 | .81 | 154 | .01 | 5 | .88 | .03 | .14 | 1 |
| 90R46 235-240 | 3 | 7 | 19 | 89 | .1 | 21 | 8 | 200 | 2.03 | 142 | 5 | ND | 9 | 81 | .2 | 2 | 2 | 3 | 1.14 | .014 | 13 | 42 | 1.14 | 137 | .01 | 4 | 1.05 | .02 | .15 | 1 |
| 90R46 240-245 | 7 | 20 | 22 | 101 | .4 | 64 | 7 | 299 | 1.79 | 144 | 5 | ND | 8 | 122 | .5 | 2 | 2 | 9 | 2.19 | .026 | 13 | 54 | 1.07 | 138 | .01 | 2 | .90 | .01 | .13 | 1 |
| 90R46 245-250 | 4 | 25 | 11 | 69 | .3 | 36 | 7 | 372 | 2.21 | 82 | 5 | ND | 6 | 106 | .2 | 2 | 2 | 27 | 1.15 | .049 | 18 | 74 | .77 | 160 | .01 | 3 | .98 | .03 | .15 | 1 |
| 90R46 250-255 | 4 | 29 | 10 | 77 | .4 | 19 | 6 | 344 | 1.94 | 25 | 5 | ND | 5 | 71 | .4 | 2 | 2 | 16 | 1.11 | .044 | 17 | 69 | .62 | 188 | .01 | 2 | .89 | .03 | .15 | 1 |
| 90R46 255-260 | 5 | 11 | 42 | 58 | .4 | 13 | 4 | 252 | 1.45 | 15 | 5 | ND | 8 | 54 | .2 | 2 | 2 | 6 | .89 | .020 | 16 | 66 | .85 | 185 | .01 | 2 | .91 | .02 | .16 | 1 |
| 90R46 260-265 | 7 | 17 | 18 | 77 | .3 | 25 | 4 | 279 | 1.33 | 41 | 5 | ND | 8 | 72 | .6 | 2 | 4 | 7 | 1.46 | .019 | 17 | 68 | .99 | 178 | .01 | 4 | .89 | .02 | .12 | 1 |
| 90R46 265-270 | 11 | 37 | 18 | 140 | .4 | 65 | 11 | 483 | 2.92 | 58 | 5 | ND | 4 | 114 | .8 | 2 | 2 | 29 | 2.35 | .061 | 13 | 85 | 1.62 | 121 | .01 | 2 | 1.46 | .01 | .12 | 2 |
| 90R46 270-275 | 7 | 35 | 16 | 103 | .6 | 42 | 10 | 488 | 2.70 | 74 | 5 | ND | 6 | 136 | 1.4 | 4 | 2 | 24 | 2.69 | .065 | 15 | 65 | .99 | 142 | .02 | 5 | 1.12 | .02 | .15 | 1 |
| 90R46 275-280 | 3 | 37 | 7 | 81 | .2 | 25 | 9 | 450 | 2.31 | 51 | 5 | ND | 4 | 146 | .2 | 2 | 2 | 25 | 2.43 | .065 | 11 | 65 | .59 | 199 | .05 | 2 | .88 | .03 | .18 | 1 |
| 90R46 280-285 | 4 | 41 | 7 | 118 | .3 | 35 | 13 | 391 | 2.85 | 133 | 5 | ND | 4 | 138 | .6 | 3 | 2 | 30 | 2.07 | .063 | 10 | 69 | .94 | 233 | .05 | 3 | 1.09 | .03 | .14 | 1 |
| 90R46 285-290 | 4 | 32 | 15 | 83 | .4 | 25 | 9 | 376 | 2.43 | 81 | 5 | ND | 4 | 140 | .5 | 2 | 2 | 18 | 2.31 | .056 | 10 | 53 | .74 | 159 | .03 | 2 | .79 | .03 | .19 | 1 |
| 90R46 290-295 | 3 | 11 | 23 | 65 | .4 | 16 | 5 | 282 | 1.47 | 35 | 5 | ND | 6 | 153 | .2 | 2 | 2 | 7 | 2.03 | .023 | 10 | 42 | .84 | 139 | .01 | 2 | .77 | .02 | .14 | 1 |
| 90R46 295-300 | 7 | 17 | 21 | 78 | 1.1 | 20 | 4 | 166 | 1.59 | 131 | 5 | ND | 7 | 89 | .5 | 2 | 2 | 5 | 1.23 | .020 | 14 | 51 | .62 | 221 | .01 | 3 | .65 | .03 | .15 | 1 |
| 90R46 300-305 | 7 | 24 | 24 | 77 | 1.8 | 28 | 5 | 177 | 1.71 | 105 | 5 | ND | 7 | 103 | .5 | 2 | 2 | 6 | 1.56 | .025 | 16 | 41 | .58 | 209 | .01 | 3 | .61 | .02 | .13 | 1 |
| 90R46 305-310 | 3 | 5 | 22 | 56 | .6 | 4 | 2 | 77 | 1.04 | 20 | 5 | ND | 9 | 63 | .3 | 2 | 2 | 1 | .79 | .012 | 21 | 24 | .23 | 144 | .01 | 3 | .37 | .03 | .14 | 2 |
| 90R46 310-315 | 4 | 8 | 20 | 60 | .4 | 11 | 8 | 207 | 1.55 | 35 | 5 | ND | 8 | 72 | .2 | 2 | 2 | 6 | .98 | .027 | 15 | 47 | .58 | 165 | .02 | 2 | .69 | .03 | .19 | 2 |
| 90R46 315-320 | 6 | 28 | 10 | 108 | .5 | 41 | 13 | 466 | 2.90 | 121 | 5 | ND | 5 | 115 | .3 | 2 | 2 | 23 | 1.99 | .064 | 12 | 64 | 1.05 | 183 | .02 | 2 | 1.23 | .02 | .18 | 1 |
| 90R46 320-325 | 3 | 44 | 8 | 97 | .2 | 30 | 21 | 702 | 4.62 | 109 | 5 | ND | 1 | 97 | .2 | 2 | 2 | 68 | 2.35 | .051 | 5 | 42 | 2.17 | 86 | .08 | 2 | 2.18 | .03 | .08 | 1 |
| 90R46 325-330 | 4 | 31 | 3 | 87 | .1 | 28 | 19 | 571 | 3.48 | 61 | 5 | ND | 2 | 92 | .2 | 2 | 2 | 43 | 2.16 | .057 | 10 | 67 | 1.90 | 136 | .07 | 2 | 1.81 | .03 | .14 | 1 |
| 90R46 330-335 | 3 | 27 | 12 | 91 | .3 | 32 | 11 | 477 | 2.48 | 86 | 5 | ND | 5 | 110 | .2 | 2 | 2 | 21 | 2.29 | .067 | 20 | 42 | 1.41 | 114 | .01 | 2 | 1.27 | .02 | .12 | 1 |
| 90R46 335-340 | 5 | 30 | 9 | 83 | .2 | 33 | 14 | 402 | 2.87 | 122 | 5 | ND | 3 | 80 | .2 | 2 | 2 | 29 | 1.63 | .060 | 15 | 70 | 1.74 | 130 | .01 | 2 | 1.60 | .02 | .15 | 1 |
| 90R46 340-345 | 4 | 42 | 14 | 94 | .6 | 48 | 15 | 571 | 3.34 | 150 | 5 | ND | 2 | 108 | .5 | 2 | 2 | 28 | 2.60 | .048 | 9 | 44 | 1.30 | 126 | .01 | 2 | 1.23 | .02 | .09 | 1 |
| 90R46 345-350 | 7 | 38 | 13 | 99 | .4 | 43 | 11 | 523 | 2.77 | 139 | 5 | ND | 3 | 123 | .9 | 3 | 2 | 29 | 2.59 | .045 | 9 | 67 | 1.10 | 143 | .01 | 3 | 1.11 | .02 | .11 | 1 |
| 90R46 350-355 | 4 | 32 | 29 | 104 | .6 | 23 | 14 | 590 | 3.45 | 81 | 5 | ND | 2 | 89 | .8 | 2 | 4 | 25 | 2.18 | .051 | 12 | 45 | 1.70 | 125 | .01 | 2 | 1.44 | .02 | .11 | 1 |
| 90R46 355-360 | 3 | 36 | 15 | 95 | .5 | 29 | 13 | 652 | 3.33 | 70 | 5 | ND | 2 | 126 | .9 | 2 | 2 | 22 | 2.70 | .057 | 10 | 46 | 1.31 | 120 | .02 | 2 | 1.19 | .02 | .11 | 1 |
| STANDARD C | 21 | 62 | 39 | 137 | 7.4 | 74 | 32 | 1080 | 4.00 | 42 | 20 | 7 | 39 | 54 | 17.3 | 14 | 22 | 62 | .48 | .097 | 40 | 59 | .89 | 182 | .09 | 36 | 1.90 | .07 | .15 | 11 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R46 360-365 | 8 | 36 | 18 | 101 | 1.1 | 37 | 14 | 580 | 3.69 | 192 | 5 | ND | 2 | 182 | .9 | 5 | 2 | 8 | 3.97 | .065 | 6 | 52 | .69 | 23 | .01 | 2 | .66 | .01 | .14 | 1 |
| 90R46 365-370 | 4 | 22 | 31 | 132 | 3.8 | 19 | 11 | 916 | 4.23 | 91 | 5 | ND | 1 | 163 | 1.5 | 10 | 2 | 8 | 4.42 | .064 | 3 | 38 | .85 | 22 | .01 | 2 | .66 | .01 | .12 | 1 |
| 90R46 370-375 | 7 | 33 | 22 | 129 | 2.1 | 34 | 12 | 726 | 3.96 | 120 | 5 | ND | 2 | 129 | .9 | 5 | 2 | 11 | 3.46 | .066 | 3 | 43 | 1.04 | 29 | .03 | 2 | .79 | .01 | .15 | 1 |
| 90R46 375-380 | 17 | 47 | 27 | 203 | 1.4 | 45 | 10 | 498 | 3.18 | 67 | 5 | ND | 2 | 148 | 2.2 | 4 | 2 | 19 | 3.59 | .071 | 5 | 58 | 1.14 | 28 | .03 | 2 | .93 | .01 | .11 | 1 |
| 90R46 380-385 | 9 | 41 | 18 | 127 | .8 | 55 | 12 | 435 | 2.75 | 54 | 5 | ND | 3 | 97 | 1.0 | 5 | 2 | 26 | 2.27 | .056 | 7 | 60 | 1.44 | 73 | .03 | 2 | 1.23 | .01 | .09 | 1 |
| 90R46 385-390 | 7 | 47 | 13 | 109 | .9 | 75 | 13 | 587 | 2.99 | 68 | 5 | ND | 1 | 100 | .8 | 4 | 2 | 33 | 2.56 | .054 | 8 | 94 | 1.74 | 81 | .02 | 2 | 1.46 | .01 | .07 | 1 |
| 90R46 390-395 | 6 | 50 | 16 | 86 | .7 | 159 | 20 | 677 | 3.05 | 131 | 5 | ND | 1 | 114 | .6 | 4 | 2 | 34 | 2.79 | .044 | 6 | 155 | 2.41 | 92 | .02 | 2 | 1.80 | .01 | .06 | 1 |
| 90R46 395-400 | 8 | 58 | 43 | 128 | 1.2 | 131 | 16 | 621 | 2.82 | 81 | 5 | ND | 2 | 149 | 1.2 | 5 | 2 | 27 | 3.40 | .046 | 9 | 129 | 2.01 | 84 | .01 | 2 | 1.51 | .01 | .07 | 1 |
| 90R46 400-405 | 8 | 54 | 30 | 116 | 1.1 | 124 | 18 | 518 | 3.14 | 169 | 5 | ND | 3 | 129 | 1.9 | 5 | 2 | 28 | 2.63 | .052 | 8 | 109 | 2.02 | 59 | .01 | 2 | 1.56 | .01 | .08 | 1 |
| 90R46 405-410 | 12 | 39 | 30 | 147 | 1.2 | 45 | 10 | 403 | 3.18 | 48 | 5 | ND | 3 | 140 | 1.3 | 6 | 2 | 18 | 3.02 | .063 | 11 | 55 | 1.38 | 26 | .01 | 2 | 1.09 | .01 | .09 | 1 |
| 90R46 410-415 | 15 | 47 | 20 | 146 | .9 | 52 | 10 | 391 | 2.64 | 31 | 5 | ND | 4 | 158 | 1.6 | 3 | 2 | 19 | 3.15 | .067 | 18 | 64 | 1.12 | 63 | .01 | 2 | .99 | .01 | .10 | 1 |
| 90R46 415-420 | 9 | 34 | 12 | 119 | 1.0 | 39 | 11 | 374 | 2.94 | 34 | 5 | ND | 4 | 111 | 1.1 | 2 | 2 | 16 | 2.08 | .070 | 17 | 51 | 1.04 | 71 | .01 | 2 | 1.05 | .01 | .11 | 1 |
| 90R46 420-425 | 8 | 30 | 23 | 107 | 6.5 | 39 | 10 | 406 | 3.18 | 80 | 5 | ND | 3 | 158 | .9 | 6 | 2 | 11 | 3.22 | .057 | 14 | 54 | .64 | 22 | .01 | 2 | .64 | .01 | .11 | 1 |
| 90R46 425-430 | 8 | 40 | 16 | 104 | 1.3 | 36 | 11 | 433 | 2.90 | 36 | 5 | ND | 3 | 140 | 1.0 | 2 | 2 | 13 | 2.82 | .065 | 14 | 64 | .87 | 37 | .01 | 2 | .82 | .01 | .12 | 1 |
| 90R46 430-435 | 5 | 52 | 152 | 246 | 3.1 | 31 | 13 | 476 | 3.58 | 35 | 5 | ND | 2 | 138 | 1.8 | 5 | 2 | 11 | 2.71 | .063 | 10 | 43 | 1.22 | 38 | .01 | 2 | .98 | .01 | .09 | 1 |
| 90R46 435-440 | 7 | 42 | 49 | 154 | .8 | 34 | 10 | 446 | 3.05 | 60 | 5 | ND | 3 | 100 | 1.3 | 3 | 2 | 22 | 2.20 | .065 | 11 | 69 | 1.18 | 90 | .01 | 2 | 1.17 | .01 | .10 | 1 |
| 90R46 440-445 | 7 | 30 | 35 | 150 | 1.4 | 23 | 9 | 414 | 3.09 | 54 | 5 | ND | 2 | 116 | 1.5 | 4 | 2 | 12 | 2.56 | .056 | 10 | 56 | 1.13 | 35 | .01 | 2 | .96 | .01 | .11 | 1 |
| 90R46 445-450 | 4 | 45 | 400 | 483 | 4.4 | 27 | 14 | 793 | 3.94 | 52 | 5 | ND | 1 | 166 | 4.8 | 7 | 2 | 16 | 4.58 | .044 | 6 | 37 | 1.49 | 36 | .01 | 2 | 1.04 | .01 | .08 | 1 |
| 90R46 450-455 | 5 | 36 | 75 | 258 | 1.3 | 31 | 11 | 567 | 3.06 | 52 | 5 | ND | 2 | 139 | 2.0 | 3 | 2 | 20 | 3.49 | .056 | 11 | 52 | 1.13 | 60 | .01 | 2 | 1.04 | .01 | .08 | 1 |
| 90R46 455-460 | 7 | 34 | 24 | 126 | 1.6 | 36 | 9 | 352 | 2.64 | 207 | 5 | ND | 5 | 154 | 1.1 | 2 | 2 | 18 | 3.10 | .059 | 19 | 51 | .91 | 57 | .01 | 2 | .92 | .01 | .13 | 1 |
| 90R46 460-465 | 7 | 32 | 24 | 122 | 8.4 | 43 | 9 | 351 | 2.76 | 67 | 5 | ND | 2 | 129 | 1.3 | 3 | 2 | 16 | 2.38 | .054 | 8 | 44 | .91 | 32 | .01 | 2 | .83 | .01 | .10 | 1 |
| 90R46 465-470 | 8 | 34 | 33 | 133 | 3.4 | 54 | 14 | 323 | 3.70 | 96 | 5 | ND | 2 | 101 | 1.5 | 6 | 2 | 17 | 2.00 | .054 | 6 | 57 | .99 | 25 | .01 | 2 | .90 | .01 | .09 | 2 |
| 90R46 470-475 | 5 | 32 | 36 | 145 | 8.3 | 39 | 13 | 460 | 3.85 | 133 | 5 | ND | 2 | 133 | 1.2 | 9 | 2 | 9 | 2.71 | .053 | 6 | 41 | .61 | 22 | .01 | 3 | .58 | .01 | .11 | 1 |
| 90R46 475-480 | 9 | 29 | 25 | 107 | 4.8 | 41 | 11 | 332 | 3.30 | 131 | 5 | ND | 2 | 101 | 1.2 | 5 | 2 | 11 | 2.03 | .052 | 11 | 66 | .61 | 25 | .01 | 2 | .62 | .01 | .13 | 1 |
| 90R46 480-485 | 7 | 26 | 16 | 84 | .6 | 30 | 8 | 372 | 2.22 | 83 | 5 | ND | 3 | 96 | .5 | 3 | 2 | 14 | 2.08 | .053 | 11 | 58 | .78 | 109 | .01 | 2 | .87 | .01 | .12 | 1 |
| 90R46 485-490 | 7 | 54 | 11 | 106 | .8 | 36 | 10 | 457 | 1.92 | 43 | 5 | ND | 2 | 78 | .9 | 2 | 2 | 21 | 1.91 | .056 | 11 | 80 | .85 | 158 | .03 | 2 | .97 | .01 | .12 | 1 |
| 90R46 490-495 | 5 | 26 | 12 | 94 | .2 | 32 | 9 | 415 | 2.08 | 25 | 5 | ND | 2 | 77 | .3 | 2 | 2 | 22 | 1.55 | .057 | 11 | 72 | .91 | 151 | .04 | 2 | 1.04 | .01 | .10 | 1 |
| 90R46 495-500 | 4 | 24 | 10 | 90 | .3 | 31 | 9 | 417 | 2.08 | 29 | 5 | ND | 2 | 77 | .3 | 2 | 2 | 23 | 1.56 | .057 | 11 | 67 | .94 | 149 | .04 | 2 | 1.07 | .01 | .10 | 1 |
| STANDARD C | 21 | 62 | 36 | 134 | 7.0 | 74 | 32 | 1073 | 4.03 | 43 | 18 | 7 | 36 | 52 | 18.6 | 14 | 21 | 56 | .49 | .097 | 39 | 58 | .90 | 186 | .09 | 34 | 1.92 | .07 | .13 | 12 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R47 0-5 | 6 | 42 | 23 | 98 | .1 | 24 | 10 | 238 | 2.73 | 4 | 5 | ND | 5 | 16 | .5 | 2 | 2 | 31 | .17 | .055 | 14 | 49 | 1.61 | 176 | .01 | 3 | 1.74 | .01 | .12 | 2 |
| 90R47 5-10 | 5 | 58 | 28 | 115 | .2 | 29 | 9 | 290 | 3.82 | 50 | 5 | ND | 6 | 23 | .3 | 5 | 2 | 57 | .15 | .065 | 18 | 48 | 2.23 | 189 | .02 | 2 | 2.28 | .01 | .15 | 1 |
| 90R47 10-15 | 3 | 39 | 28 | 115 | .1 | 22 | 8 | 329 | 4.47 | 16 | 5 | ND | 4 | 11 | .2 | 3 | 2 | 65 | .14 | .055 | 13 | 65 | 2.95 | 149 | .03 | 3 | 2.84 | .01 | .12 | 1 |
| 90R47 15-20 | 5 | 51 | 30 | 111 | .1 | 26 | 6 | 327 | 4.33 | 76 | 5 | ND | 4 | 10 | .2 | 3 | 2 | 69 | .12 | .057 | 11 | 50 | 2.56 | 128 | .03 | 2 | 2.49 | .01 | .11 | 1 |
| 90R47 20-25 | 8 | 81 | 15 | 117 | .2 | 20 | 6 | 333 | 5.23 | 88 | 6 | ND | 5 | 8 | .2 | 5 | 2 | 82 | .09 | .064 | 9 | 49 | 2.55 | 134 | .02 | 4 | 2.60 | .02 | .12 | 1 |
| 90R47 25-30 | 10 | 58 | 20 | 113 | .3 | 23 | 5 | 230 | 4.07 | 93 | 5 | ND | 7 | 14 | .2 | 4 | 2 | 36 | .09 | .077 | 15 | 56 | 1.93 | 165 | .02 | 2 | 1.94 | .02 | .14 | 1 |
| 90R47 30-35 | 8 | 40 | 18 | 84 | .2 | 12 | 3 | 154 | 2.78 | 55 | 5 | ND | 7 | 15 | .2 | 2 | 2 | 20 | .11 | .080 | 20 | 53 | .97 | 215 | .04 | 2 | 1.24 | .02 | .18 | 1 |
| 90R47 35-40 | 4 | 41 | 11 | 113 | .2 | 43 | 13 | 251 | 2.81 | 17 | 5 | ND | 6 | 12 | .6 | 2 | 2 | 33 | .19 | .061 | 18 | 77 | .96 | 203 | .09 | 2 | 1.43 | .02 | .16 | 1 |
| 90R47 40-45 | 4 | 40 | 10 | 141 | .2 | 48 | 16 | 388 | 2.81 | 15 | 5 | ND | 5 | 76 | .7 | 2 | 2 | 35 | 1.21 | .058 | 19 | 65 | .92 | 216 | .05 | 2 | 1.32 | .02 | .17 | 1 |
| 90R47 45-50 | 3 | 39 | 10 | 135 | .2 | 52 | 17 | 396 | 2.37 | 10 | 5 | ND | 5 | 40 | .7 | 2 | 2 | 27 | .83 | .062 | 18 | 54 | .69 | 219 | .03 | 3 | 1.03 | .01 | .20 | 1 |
| 90R47 50-55 | 3 | 26 | 9 | 106 | .1 | 35 | 10 | 384 | 2.50 | 8 | 5 | ND | 5 | 63 | .4 | 2 | 3 | 32 | 1.14 | .058 | 17 | 71 | .76 | 211 | .08 | 2 | 1.18 | .02 | .17 | 1 |
| 90R47 55-60 | 7 | 39 | 13 | 131 | .2 | 39 | 15 | 350 | 2.62 | 25 | 5 | ND | 5 | 40 | .6 | 2 | 2 | 25 | .71 | .060 | 19 | 86 | .96 | 177 | .06 | 2 | 1.21 | .02 | .14 | 1 |
| 90R47 60-65 | 7 | 33 | 19 | 126 | .2 | 64 | 11 | 282 | 2.39 | 21 | 5 | ND | 7 | 27 | .5 | 2 | 2 | 36 | .48 | .064 | 23 | 89 | 1.23 | 181 | .10 | 2 | 1.46 | .02 | .16 | 1 |
| 90R47 65-70 | 14 | 34 | 25 | 106 | .4 | 55 | 7 | 288 | 2.52 | 15 | 5 | ND | 7 | 28 | .8 | 2 | 2 | 33 | .39 | .071 | 20 | 77 | 1.40 | 138 | .06 | 3 | 1.47 | .01 | .13 | 1 |
| 90R47 70-75 | 15 | 48 | 20 | 160 | .3 | 94 | 20 | 625 | 2.86 | 28 | 5 | ND | 6 | 57 | 1.1 | 3 | 2 | 22 | 1.03 | .068 | 30 | 62 | 1.32 | 144 | .01 | 2 | 1.33 | .01 | .14 | 2 |
| 90R47 75-80 | 9 | 32 | 14 | 128 | .3 | 69 | 13 | 430 | 2.49 | 55 | 5 | ND | 6 | 60 | .7 | 2 | 2 | 21 | 1.15 | .065 | 24 | 72 | 1.23 | 149 | .02 | 3 | 1.23 | .01 | .13 | 1 |
| 90R47 80-85 | 3 | 26 | 4 | 107 | .2 | 33 | 11 | 441 | 2.62 | 24 | 5 | ND | 4 | 84 | .2 | 3 | 2 | 26 | 2.06 | .060 | 20 | 58 | .99 | 163 | .01 | 2 | 1.26 | .02 | .15 | 1 |
| 90R47 85-90 | 4 | 35 | 10 | 116 | .1 | 25 | 12 | 422 | 2.74 | 26 | 5 | ND | 5 | 55 | .3 | 2 | 2 | 32 | 1.00 | .060 | 17 | 80 | .94 | 236 | .03 | 2 | 1.33 | .02 | .21 | 1 |
| 90R47 90-95 | 3 | 33 | 8 | 111 | .2 | 30 | 11 | 377 | 2.66 | 34 | 5 | ND | 4 | 79 | .2 | 2 | 2 | 29 | 1.25 | .052 | 14 | 64 | .91 | 162 | .03 | 2 | 1.21 | .02 | .16 | 1 |
| 90R47 95-100 | 3 | 23 | 8 | 102 | .2 | 30 | 9 | 330 | 2.70 | 34 | 5 | ND | 4 | 111 | .5 | 2 | 2 | 33 | 1.30 | .053 | 16 | 68 | .85 | 170 | .04 | 2 | 1.05 | .03 | .19 | 1 |
| 90R47 100-105 | 3 | 31 | 11 | 97 | .2 | 25 | 9 | 455 | 2.59 | 29 | 5 | ND | 3 | 132 | .3 | 2 | 2 | 26 | 2.11 | .055 | 14 | 58 | .86 | 202 | .04 | 2 | 1.11 | .01 | .15 | 1 |
| 90R47 105-110 | 2 | 39 | 9 | 98 | .2 | 29 | 11 | 428 | 2.38 | 11 | 5 | ND | 4 | 95 | .2 | 2 | 2 | 18 | 1.53 | .057 | 17 | 43 | .71 | 251 | .02 | 3 | 1.01 | .01 | .21 | 1 |
| 90R47 110-115 | 9 | 34 | 18 | 150 | .4 | 71 | 17 | 330 | 2.73 | 64 | 5 | ND | 7 | 41 | 1.1 | 2 | 2 | 16 | .61 | .083 | 26 | 51 | .93 | 220 | .04 | 2 | 1.14 | .01 | .20 | 1 |
| 90R47 115-120 | 12 | 33 | 20 | 120 | .6 | 54 | 10 | 418 | 2.68 | 24 | 5 | ND | 5 | 97 | .8 | 2 | 2 | 13 | 2.09 | .063 | 17 | 61 | 1.09 | 188 | .03 | 3 | 1.15 | .01 | .19 | 1 |
| 90R47 120-125 | 9 | 30 | 18 | 121 | .4 | 45 | 16 | 535 | 3.90 | 64 | 5 | ND | 3 | 85 | .6 | 2 | 2 | 39 | 1.82 | .059 | 16 | 52 | 1.87 | 120 | .02 | 2 | 1.82 | .01 | .13 | 1 |
| 90R47 125-130 | 5 | 28 | 12 | 103 | .1 | 38 | 15 | 444 | 3.56 | 35 | 5 | ND | 4 | 39 | .3 | 2 | 2 | 38 | .62 | .061 | 20 | 59 | 2.28 | 143 | .03 | 2 | 2.10 | .02 | .17 | 1 |
| 90R47 130-135 | 6 | 28 | 16 | 93 | .2 | 27 | 14 | 510 | 3.62 | 14 | 5 | ND | 2 | 58 | .2 | 2 | 2 | 33 | .84 | .058 | 11 | 67 | 2.20 | 136 | .04 | 2 | 2.00 | .02 | .18 | 1 |
| 90R47 135-140 | 4 | 28 | 11 | 107 | .1 | 30 | 16 | 478 | 3.91 | 17 | 5 | ND | 2 | 32 | .2 | 4 | 2 | 39 | .51 | .058 | 7 | 56 | 2.47 | 108 | .02 | 2 | 2.20 | .01 | .14 | 1 |
| 90R47 140-145 | 5 | 37 | 20 | 104 | .6 | 47 | 19 | 572 | 3.37 | 31 | 5 | ND | 4 | 41 | 1.2 | 2 | 2 | 24 | .68 | .059 | 11 | 54 | 1.60 | 105 | .02 | 2 | 1.43 | .01 | .15 | 1 |
| 90R47 145-150 | 5 | 33 | 12 | 97 | .1 | 30 | 14 | 535 | 3.39 | 22 | 5 | ND | 2 | 54 | .2 | 2 | 2 | 31 | .90 | .056 | 6 | 65 | 1.87 | 107 | .01 | 2 | 1.76 | .01 | .15 | 1 |
| 90R47 150-155 | 5 | 29 | 14 | 103 | .1 | 29 | 17 | 610 | 3.95 | 29 | 5 | ND | 1 | 49 | .2 | 2 | 2 | 40 | .94 | .058 | 7 | 70 | 2.42 | 116 | .01 | 2 | 2.26 | .01 | .17 | 1 |
| 90R47 155-160 | 2 | 26 | 10 | 90 | .1 | 25 | 17 | 583 | 3.73 | 26 | 5 | ND | 1 | 55 | .2 | 3 | 2 | 39 | 1.16 | .056 | 7 | 38 | 2.32 | 88 | .01 | 2 | 2.11 | .01 | .14 | 1 |
| 90R47 160-165 | 5 | 30 | 8 | 100 | .2 | 27 | 15 | 565 | 3.82 | 15 | 5 | ND | 2 | 57 | .2 | 2 | 2 | 46 | .96 | .057 | 6 | 69 | 2.40 | 109 | .03 | 2 | 2.18 | .01 | .20 | 1 |
| 90R47 165-170 | 2 | 28 | 19 | 91 | .3 | 27 | 16 | 687 | 3.50 | 81 | 5 | ND | 2 | 63 | .2 | 5 | 2 | 37 | 1.33 | .056 | 3 | 38 | 2.56 | 87 | .02 | 2 | 2.15 | .01 | .20 | 1 |
| 90R47 170-175 | 3 | 26 | 14 | 87 | .3 | 24 | 12 | 471 | 2.81 | 26 | 5 | ND | 3 | 105 | .2 | 2 | 2 | 23 | 1.67 | .060 | 4 | 42 | 1.76 | 103 | .04 | 2 | 1.50 | .01 | .28 | 1 |
| 90R47 175-180 | 3 | 26 | 15 | 65 | .4 | 20 | 10 | 657 | 2.13 | 16 | 5 | ND | 4 | 194 | .2 | 2 | 2 | 20 | 2.81 | .065 | 5 | 40 | 1.44 | 164 | .05 | 2 | 1.13 | .01 | .52 | 1 |
| STANDARD C | 20 | 64 | 39 | 134 | 7.4 | 73 | 32 | 1066 | 3.95 | 42 | 20 | 6 | 39 | 53 | 18.7 | 15 | 21 | 59 | .47 | .095 | 41 | 59 | .88 | 187 | .09 | 36 | 1.88 | .07 | .14 | 12 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R47 180-185 | 3 | 44 | 3 | 102 | 1.1 | 22 | 18 | 631 | 3.46 | 20 | 5 | 3 | 2 | 205 | .7 | 6 | 2 | 37 | 3.24 | .052 | 4 | 56 | 1.79 | 140 | .07 | 4 | 1.43 | .02 | .52 | 1 |
| 90R47 185-190 | 3 | 32 | 2 | 73 | .3 | 20 | 13 | 717 | 2.54 | 21 | 5 | ND | 2 | 81 | .3 | 3 | 2 | 28 | 1.92 | .063 | 5 | 36 | 1.00 | 121 | .08 | 2 | 1.05 | .01 | .40 | 1 |
| 90R47 190-195 | 3 | 39 | 11 | 86 | .4 | 18 | 16 | 713 | 3.99 | 17 | 5 | ND | 1 | 84 | .2 | 6 | 2 | 48 | 2.21 | .064 | 4 | 31 | 1.63 | 116 | .11 | 2 | 1.69 | .02 | .56 | 1 |
| 90R47 195-200 | 1 | 42 | 2 | 102 | .5 | 16 | 26 | 874 | 6.31 | 11 | 5 | ND | 1 | 104 | .2 | 6 | 2 | 100 | 2.45 | .054 | 3 | 25 | 3.32 | 86 | .14 | 2 | 3.08 | .02 | .57 | 1 |
| 90R47 200-205 | 4 | 45 | 5 | 82 | 1.5 | 26 | 17 | 825 | 3.94 | 26 | 5 | ND | 4 | 231 | .9 | 6 | 2 | 39 | 3.21 | .097 | 6 | 44 | 1.67 | 154 | .10 | 4 | 1.46 | .03 | .72 | 1 |
| 90R47 205-210 | 1 | 202 | 8 | 69 | 5.5 | 20 | 20 | 678 | 4.61 | 27 | 5 | ND | 1 | 298 | .3 | 9 | 2 | 42 | 2.65 | .096 | 4 | 28 | 1.91 | 123 | .14 | 2 | 1.36 | .02 | .72 | 1 |
| 90R47 210-215 | 1 | 189 | 10 | 79 | 4.8 | 9 | 19 | 801 | 5.12 | 24 | 5 | ND | 1 | 431 | .8 | 11 | 2 | 51 | 4.03 | .067 | 2 | 19 | 2.26 | 72 | .16 | 2 | 1.59 | .02 | .94 | 2 |
| 90R47 215-220 | 1 | 46 | 4 | 50 | 1.1 | 20 | 15 | 598 | 3.22 | 63 | 5 | ND | 2 | 265 | .2 | 7 | 2 | 29 | 2.72 | .075 | 5 | 28 | 1.33 | 168 | .08 | 2 | 1.05 | .02 | .69 | 1 |
| 90R47 220-225 | 2 | 34 | 2 | 74 | .6 | 16 | 15 | 607 | 3.57 | 22 | 5 | ND | 1 | 157 | .3 | 6 | 2 | 33 | 2.51 | .092 | 5 | 26 | 1.34 | 126 | .07 | 2 | 1.29 | .02 | .58 | 1 |
| 90R47 225-230 | 1 | 56 | 5 | 119 | 1.3 | 10 | 22 | 781 | 6.10 | 23 | 5 | ND | 1 | 264 | .4 | 10 | 2 | 77 | 2.68 | .049 | 2 | 20 | 2.93 | 134 | .16 | 2 | 2.20 | .03 | 1.31 | 1 |
| 90R47 230-235 | 1 | 75 | 6 | 121 | 1.7 | 16 | 17 | 947 | 4.69 | 22 | 5 | ND | 1 | 365 | .4 | 8 | 2 | 41 | 4.28 | .030 | 2 | 23 | 2.42 | 128 | .08 | 2 | 1.65 | .02 | .75 | 1 |
| 90R47 235-240 | 2 | 68 | 6 | 112 | .8 | 72 | 20 | 931 | 4.34 | 97 | 5 | ND | 1 | 127 | .2 | 8 | 2 | 41 | 2.81 | .046 | 3 | 66 | 2.57 | 126 | .04 | 2 | 2.17 | .01 | .32 | 2 |
| 90R47 240-245 | 2 | 56 | 4 | 91 | .6 | 62 | 19 | 826 | 4.23 | 50 | 5 | ND | 1 | 125 | .2 | 6 | 2 | 39 | 2.83 | .055 | 4 | 68 | 1.90 | 126 | .03 | 2 | 1.81 | .01 | .23 | 1 |
| 90R47 245-250 | 3 | 29 | 12 | 101 | .6 | 32 | 14 | 439 | 2.87 | 76 | 5 | ND | 2 | 116 | .5 | 3 | 2 | 19 | 2.05 | .080 | 9 | 49 | 1.10 | 137 | .02 | 2 | .96 | .02 | .30 | 1 |
| STANDARD C | 20 | 63 | 42 | 136 | 7.2 | 72 | 32 | 1085 | 4.02 | 42 | 18 | 7 | 38 | 53 | 18.8 | 15 | 21 | 58 | .48 | .094 | 39 | 60 | .89 | 187 | .09 | 34 | 1.91 | .07 | .13 | 11 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R48 0-5 | 5 | 14 | 15 | 67 | .1 | 10 | 6 | 320 | 1.74 | 12 | 5 | ND | 5 | 35 | .2 | 2 | 2 | 14 | .47 | .027 | 20 | 26 | .69 | 324 | .01 | 3 | .99 | .01 | .15 | 2 |
| 90R48 5-10 | 3 | 10 | 13 | 66 | .2 | 10 | 4 | 361 | 1.45 | 19 | 5 | ND | 5 | 109 | .5 | 2 | 2 | 9 | 1.63 | .046 | 14 | 26 | .55 | 358 | .01 | 3 | .74 | .01 | .15 | 1 |
| 90R48 10-15 | 3 | 11 | 9 | 54 | .2 | 11 | 6 | 280 | 1.51 | 15 | 5 | ND | 4 | 40 | .4 | 2 | 2 | 15 | .59 | .031 | 13 | 43 | .62 | 292 | .02 | 3 | .82 | .01 | .13 | 1 |
| 90R48 15-20 | 3 | 6 | 11 | 32 | .1 | 6 | 3 | 361 | 1.05 | 21 | 5 | ND | 5 | 60 | .2 | 2 | 2 | 7 | 1.09 | .026 | 14 | 28 | .17 | 396 | .01 | 2 | .52 | .01 | .16 | 1 |
| 90R48 20-25 | 2 | 8 | 16 | 17 | .1 | 11 | 3 | 285 | .73 | 18 | 5 | ND | 8 | 67 | .2 | 2 | 2 | 4 | 1.14 | .011 | 21 | 17 | .09 | 306 | .01 | 2 | .36 | .01 | .18 | 1 |
| 90R48 25-30 | 4 | 6 | 13 | 52 | .2 | 8 | 4 | 338 | 1.72 | 70 | 5 | ND | 7 | 113 | .2 | 2 | 2 | 5 | 2.32 | .019 | 24 | 44 | .38 | 225 | .01 | 3 | .78 | .01 | .17 | 1 |
| 90R48 30-35 | 7 | 8 | 13 | 44 | .4 | 7 | 4 | 317 | 1.41 | 64 | 5 | ND | 8 | 90 | .7 | 3 | 2 | 6 | 2.12 | .020 | 23 | 60 | .25 | 223 | .01 | 5 | .61 | .02 | .15 | 2 |
| 90R48 35-40 | 4 | 3 | 12 | 33 | .1 | 3 | 2 | 434 | 1.11 | 68 | 5 | ND | 7 | 92 | .2 | 2 | 2 | 2 | 1.94 | .015 | 25 | 27 | .13 | 176 | .01 | 2 | .37 | .01 | .11 | 1 |
| 90R48 40-45 | 3 | 4 | 21 | 39 | .1 | 5 | 2 | 352 | .98 | 39 | 5 | ND | 8 | 82 | .2 | 2 | 2 | 2 | 1.66 | .011 | 25 | 21 | .23 | 200 | .01 | 2 | .45 | .01 | .10 | 3 |
| 90R48 45-50 | 4 | 8 | 17 | 76 | .1 | 8 | 5 | 557 | 1.76 | 46 | 5 | ND | 6 | 99 | .2 | 2 | 2 | 6 | 1.99 | .024 | 21 | 41 | .49 | 197 | .01 | 2 | .85 | .02 | .11 | 1 |
| 90R48 50-55 | 3 | 8 | 17 | 72 | .1 | 6 | 5 | 441 | 1.93 | 48 | 5 | ND | 6 | 112 | .3 | 2 | 2 | 6 | 2.12 | .026 | 19 | 33 | .55 | 173 | .01 | 2 | .86 | .02 | .11 | 1 |
| 90R48 55-60 | 2 | 5 | 5 | 81 | .1 | 7 | 4 | 247 | 1.75 | 11 | 5 | ND | 2 | 71 | .2 | 2 | 2 | 5 | 1.16 | .028 | 7 | 22 | .97 | 239 | .02 | 2 | 1.19 | .01 | .08 | 1 |
| 90R48 60-65 | 4 | 8 | 7 | 85 | .1 | 6 | 5 | 339 | 1.92 | 10 | 5 | ND | 2 | 85 | .4 | 2 | 2 | 6 | 1.59 | .029 | 8 | 39 | .92 | 271 | .02 | 2 | 1.20 | .02 | .09 | 1 |
| 90R48 65-70 | 2 | 7 | 5 | 78 | .1 | 6 | 5 | 296 | 1.90 | 10 | 5 | ND | 3 | 64 | .2 | 2 | 2 | 6 | 1.19 | .029 | 8 | 34 | .85 | 211 | .02 | 4 | 1.14 | .02 | .10 | 1 |
| 90R48 70-75 | 3 | 8 | 8 | 77 | .1 | 5 | 5 | 286 | 1.75 | 9 | 5 | ND | 3 | 63 | .2 | 2 | 2 | 6 | 1.24 | .032 | 10 | 29 | .81 | 189 | .03 | 3 | 1.06 | .01 | .09 | 1 |
| 90R48 75-80 | 2 | 7 | 8 | 71 | .1 | 6 | 5 | 315 | 1.79 | 12 | 5 | ND | 3 | 110 | .2 | 2 | 2 | 5 | 1.85 | .027 | 8 | 24 | .89 | 189 | .02 | 4 | 1.08 | .01 | .09 | 1 |
| 90R48 80-85 | 2 | 5 | 5 | 75 | .1 | 6 | 4 | 229 | 1.64 | 6 | 5 | ND | 1 | 48 | .2 | 2 | 2 | 5 | .87 | .028 | 5 | 37 | .98 | 126 | .03 | 3 | 1.19 | .01 | .07 | 1 |
| 90R48 85-90 | 3 | 6 | 4 | 71 | .1 | 5 | 5 | 222 | 1.62 | 5 | 5 | ND | 1 | 39 | .2 | 2 | 2 | 5 | .76 | .027 | 4 | 37 | .91 | 157 | .04 | 3 | 1.03 | .01 | .06 | 1 |
| 90R48 90-95 | 2 | 9 | 7 | 74 | .2 | 8 | 4 | 176 | 1.42 | 7 | 5 | ND | 1 | 67 | .2 | 2 | 2 | 4 | .76 | .030 | 4 | 34 | .95 | 197 | .03 | 4 | 1.06 | .01 | .08 | 1 |
| 90R48 95-100 | 3 | 8 | 2 | 69 | .1 | 5 | 5 | 441 | 1.43 | 4 | 5 | ND | 1 | 48 | .2 | 2 | 2 | 7 | .88 | .036 | 4 | 35 | .66 | 170 | .04 | 3 | .84 | .02 | .06 | 1 |
| STANDARD C | 20 | 62 | 38 | 134 | 7.0 | 72 | 32 | 1070 | 4.01 | 43 | 17 | 7 | 37 | 52 | 18.7 | 15 | 20 | 57 | .49 | .096 | 39 | 58 | .89 | 186 | .09 | 35 | 1.91 | .07 | .13 | 11 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R49 0-5 | 7 | 12 | 18 | 48 | .1 | 11 | 6 | 452 | 1.35 | 24 | 5 | ND | 3 | 114 | .3 | 2 | 2 | 8 | 1.75 | .050 | 15 | 36 | .38 | 213 | .01 | 2 | .58 | .01 | .16 | 1 |
| 90R49 5-10 | 4 | 11 | 23 | 57 | .3 | 12 | 5 | 471 | 1.58 | 29 | 5 | ND | 4 | 116 | .2 | 2 | 2 | 11 | 1.82 | .050 | 16 | 38 | .50 | 261 | .02 | 2 | .73 | .01 | .16 | 1 |
| 90R49 10-15 | 5 | 10 | 28 | 57 | .2 | 10 | 5 | 345 | 1.55 | 22 | 5 | ND | 5 | 67 | .2 | 2 | 2 | 12 | .89 | .041 | 16 | 55 | .52 | 243 | .01 | 2 | .74 | .01 | .17 | 1 |
| 90R49 15-20 | 3 | 8 | 14 | 26 | .4 | 10 | 5 | 334 | 1.40 | 22 | 5 | ND | 5 | 103 | .2 | 2 | 2 | 7 | 2.04 | .046 | 19 | 28 | .24 | 173 | .01 | 2 | .43 | .01 | .16 | 1 |
| 90R49 20-25 | 3 | 7 | 17 | 13 | .1 | 11 | 4 | 501 | .97 | 21 | 5 | ND | 6 | 132 | .2 | 2 | 2 | 3 | 2.23 | .042 | 24 | 33 | .09 | 155 | .01 | 2 | .34 | .02 | .24 | 1 |
| 90R49 25-30 | 6 | 7 | 15 | 21 | .2 | 9 | 4 | 824 | .95 | 29 | 5 | ND | 6 | 155 | .2 | 3 | 2 | 4 | 2.28 | .038 | 22 | 64 | .13 | 189 | .01 | 2 | .44 | .02 | .31 | 1 |
| 90R49 30-35 | 8 | 17 | 16 | 48 | .4 | 22 | 5 | 591 | 1.73 | 118 | 5 | ND | 5 | 178 | .3 | 3 | 2 | 7 | 2.81 | .067 | 17 | 35 | .27 | 99 | .01 | 2 | .46 | .01 | .20 | 1 |
| 90R49 35-40 | 27 | 39 | 17 | 176 | .6 | 36 | 7 | 367 | 2.49 | 126 | 7 | ND | 5 | 207 | 1.2 | 6 | 2 | 19 | 3.69 | .377 | 14 | 31 | .77 | 63 | .01 | 2 | 1.03 | .01 | .22 | 1 |
| 90R49 40-45 | 8 | 39 | 12 | 207 | .5 | 31 | 7 | 525 | 1.92 | 125 | 5 | ND | 2 | 382 | 2.9 | 4 | 2 | 15 | 9.41 | .111 | 11 | 36 | .75 | 130 | .01 | 2 | .82 | .01 | .14 | 1 |
| 90R49 45-50 | 6 | 48 | 10 | 215 | 1.1 | 30 | 7 | 517 | 2.03 | 316 | 5 | ND | 2 | 394 | 3.9 | 2 | 2 | 16 | 8.45 | .083 | 10 | 38 | .86 | 89 | .01 | 2 | .83 | .01 | .12 | 1 |
| 90R49 50-55 | 12 | 38 | 48 | 343 | 1.7 | 34 | 7 | 458 | 2.34 | 89 | 5 | ND | 1 | 357 | 4.5 | 4 | 2 | 20 | 6.63 | .096 | 6 | 43 | 1.08 | 82 | .01 | 2 | .84 | .01 | .11 | 1 |
| 90R49 55-60 | 7 | 49 | 25 | 154 | 2.0 | 40 | 8 | 511 | 2.12 | 151 | 5 | ND | 1 | 521 | 1.7 | 2 | 2 | 17 | 12.43 | .124 | 7 | 43 | .93 | 95 | .01 | 2 | .77 | .01 | .15 | 1 |
| 90R49 60-65 | 3 | 26 | 17 | 126 | .6 | 54 | 12 | 469 | 3.10 | 62 | 5 | ND | 4 | 401 | .3 | 6 | 2 | 19 | 4.79 | .048 | 11 | 71 | 2.67 | 86 | .01 | 3 | 2.10 | .01 | .12 | 1 |
| 90R49 65-70 | 3 | 17 | 9 | 68 | .3 | 23 | 6 | 340 | 1.67 | 52 | 5 | ND | 7 | 229 | .2 | 2 | 2 | 9 | 3.32 | .027 | 21 | 42 | .95 | 183 | .01 | 2 | .96 | .01 | .15 | 1 |
| 90R49 70-75 | 4 | 11 | 14 | 92 | .3 | 15 | 6 | 323 | 1.70 | 46 | 5 | ND | 6 | 185 | .3 | 4 | 2 | 7 | 2.81 | .025 | 23 | 33 | .76 | 129 | .01 | 2 | .87 | .01 | .11 | 1 |
| 90R49 75-80 | 5 | 14 | 11 | 91 | .7 | 14 | 5 | 427 | 1.90 | 30 | 5 | ND | 7 | 172 | 1.3 | 3 | 2 | 11 | 2.93 | .038 | 23 | 33 | .79 | 121 | .01 | 3 | 1.01 | .01 | .14 | 1 |
| 90R49 80-85 | 4 | 16 | 17 | 80 | .4 | 14 | 4 | 404 | 1.57 | 36 | 5 | ND | 3 | 347 | .5 | 3 | 2 | 8 | 5.59 | .029 | 14 | 39 | .78 | 160 | .01 | 2 | .79 | .01 | .10 | 1 |
| 90R49 85-90 | 4 | 12 | 15 | 73 | .3 | 13 | 4 | 369 | 1.54 | 25 | 5 | ND | 4 | 329 | .2 | 2 | 2 | 7 | 5.18 | .024 | 17 | 44 | .76 | 194 | .01 | 2 | .82 | .01 | .11 | 1 |
| 90R49 90-95 | 4 | 9 | 65 | 119 | .3 | 8 | 5 | 457 | 1.84 | 25 | 5 | ND | 2 | 186 | .3 | 2 | 2 | 9 | 2.54 | .036 | 11 | 43 | .88 | 124 | .01 | 2 | 1.00 | .02 | .09 | 1 |
| 90R49 95-100 | 3 | 11 | 12 | 70 | .3 | 5 | 6 | 738 | 1.92 | 7 | 5 | ND | 3 | 164 | .2 | 3 | 2 | 11 | 2.72 | .040 | 17 | 28 | .57 | 146 | .01 | 2 | .81 | .02 | .11 | 1 |
| STANDARD C | 20 | 63 | 42 | 136 | 7.2 | 72 | 32 | 1085 | 4.02 | 42 | 18 | 7 | 38 | 53 | 18.8 | 15 | 21 | 58 | .48 | .094 | 39 | 60 | .89 | 187 | .09 | 34 | 1.91 | .07 | .13 | 11 |

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Ni ppm | Co ppm | Mn ppm | Fe % | As ppm | U ppm | Au ppm | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90R50 0-5 | 6 | 14 | 13 | 70 | .1 | 15 | 9 | 319 | 1.99 | 11 | 5 | ND | 3 | 36 | .5 | 2 | 2 | 21 | .47 | .043 | 13 | 88 | .69 | 247 | .02 | 2 | 1.08 | .01 | .10 | 1 |
| 90R50 5-10 | 8 | 10 | 14 | 48 | .1 | 16 | 8 | 320 | 1.68 | 14 | 5 | ND | 3 | 70 | .5 | 2 | 2 | 12 | 1.18 | .065 | 11 | 98 | .41 | 158 | .02 | 3 | .68 | .01 | .13 | 1 |
| 90R50 10-15 | 5 | 5 | 15 | 35 | .1 | 15 | 7 | 482 | 1.70 | 16 | 5 | ND | 6 | 126 | .4 | 2 | 2 | 3 | 3.22 | .082 | 15 | 33 | .14 | 90 | .01 | 3 | .33 | .01 | .13 | 1 |
| 90R50 15-20 | 5 | 7 | 9 | 45 | .1 | 14 | 6 | 479 | 1.88 | 13 | 5 | ND | 5 | 111 | .4 | 2 | 2 | 6 | 2.61 | .054 | 16 | 38 | .38 | 102 | .01 | 3 | .68 | .01 | .13 | 1 |
| 90R50 20-25 | 2 | 7 | 14 | 73 | .1 | 6 | 6 | 562 | 2.37 | 11 | 5 | ND | 8 | 160 | .2 | 4 | 4 | 8 | 3.11 | .038 | 21 | 19 | .95 | 162 | .01 | 4 | 1.52 | .01 | .17 | 1 |
| 90R50 25-30 | 3 | 7 | 13 | 44 | .5 | 11 | 6 | 1193 | 1.76 | 16 | 5 | ND | 10 | 274 | .4 | 3 | 2 | 5 | 6.63 | .038 | 11 | 30 | .43 | 56 | .01 | 2 | .77 | .01 | .19 | 1 |
| 90R50 30-35 | 4 | 4 | 8 | 170 | .1 | 13 | 5 | 696 | 1.53 | 15 | 6 | ND | 3 | 196 | 1.9 | 2 | 2 | 3 | 3.85 | .035 | 5 | 38 | .31 | 115 | .01 | 3 | .42 | .01 | .13 | 1 |
| 90R50 35-40 | 3 | 7 | 18 | 34 | .2 | 15 | 5 | 714 | 1.33 | 19 | 5 | ND | 7 | 210 | .5 | 2 | 2 | 3 | 4.17 | .038 | 11 | 29 | .20 | 139 | .01 | 4 | .40 | .01 | .19 | 1 |
| 90R50 40-45 | 3 | 8 | 13 | 27 | .1 | 10 | 4 | 760 | .98 | 17 | 5 | ND | 6 | 207 | .2 | 2 | 2 | 2 | 4.23 | .031 | 10 | 40 | .15 | 205 | .01 | 2 | .32 | .01 | .19 | 1 |
| 90R50 45-50 | 4 | 3 | 16 | 21 | .1 | 12 | 4 | 689 | .95 | 26 | 8 | ND | 6 | 188 | .2 | 2 | 2 | 2 | 3.84 | .035 | 12 | 36 | .13 | 176 | .01 | 5 | .34 | .01 | .22 | 1 |
| 90R50 50-55 | 3 | 5 | 11 | 23 | .1 | 9 | 4 | 622 | .83 | 6 | 5 | ND | 2 | 178 | .2 | 2 | 2 | 1 | 3.30 | .032 | 7 | 35 | .14 | 232 | .01 | 2 | .28 | .01 | .16 | 1 |
| 90R50 55-60 | 3 | 7 | 13 | 18 | .2 | 10 | 3 | 550 | .81 | 13 | 5 | ND | 6 | 149 | .2 | 2 | 2 | 2 | 3.11 | .035 | 10 | 35 | .10 | 223 | .01 | 3 | .28 | .01 | .20 | 1 |
| 90R50 60-65 | 11 | 6 | 12 | 13 | .1 | 11 | 4 | 506 | 1.23 | 13 | 5 | ND | 6 | 175 | .2 | 2 | 2 | 2 | 3.72 | .036 | 13 | 146 | .14 | 151 | .01 | 2 | .30 | .01 | .15 | 1 |
| 90R50 65-70 | 3 | 3 | 11 | 15 | .2 | 11 | 4 | 407 | 1.21 | 16 | 5 | ND | 6 | 146 | .2 | 2 | 3 | 3 | 2.92 | .037 | 14 | 29 | .18 | 154 | .01 | 4 | .33 | .01 | .15 | 1 |
| 90R50 70-75 | 4 | 3 | 9 | 13 | .1 | 11 | 4 | 415 | 1.26 | 12 | 5 | ND | 3 | 155 | .2 | 2 | 2 | 2 | 3.09 | .030 | 8 | 47 | .16 | 108 | .01 | 2 | .29 | .02 | .14 | 1 |
| 90R50 75-80 | 6 | 17 | 9 | 59 | .1 | 18 | 5 | 449 | 1.71 | 35 | 5 | ND | 4 | 158 | .3 | 2 | 2 | 5 | 2.98 | .067 | 9 | 44 | .30 | 108 | .01 | 2 | .44 | .01 | .15 | 1 |
| 90R50 80-85 | 6 | 37 | 15 | 79 | 1.3 | 30 | 7 | 329 | 2.22 | 57 | 5 | ND | 5 | 182 | .7 | 2 | 2 | 6 | 3.27 | .110 | 5 | 32 | .44 | 87 | .01 | 2 | .50 | .01 | .11 | 1 |
| 90R50 85-90 | 45 | 34 | 36 | 238 | 1.4 | 98 | 10 | 421 | 2.99 | 73 | 5 | ND | 5 | 365 | 2.6 | 5 | 2 | 14 | 6.52 | .117 | 4 | 32 | .52 | 52 | .01 | 5 | .43 | .01 | .06 | 1 |
| 90R50 90-95 | 10 | 42 | 14 | 157 | .7 | 54 | 10 | 425 | 2.23 | 95 | 5 | ND | 5 | 273 | 1.7 | 2 | 2 | 18 | 5.44 | .085 | 7 | 34 | 1.00 | 76 | .01 | 2 | .80 | .01 | .07 | 1 |
| 90R50 95-100 | 10 | 24 | 17 | 211 | .5 | 28 | 7 | 414 | 1.80 | 108 | 5 | ND | 6 | 298 | 2.5 | 2 | 2 | 12 | 6.37 | .067 | 8 | 43 | .75 | 84 | .01 | 2 | .68 | .01 | .08 | 1 |
| 90R50 100-105 | 7 | 13 | 19 | 131 | .4 | 17 | 7 | 336 | 2.20 | 49 | 5 | ND | 8 | 153 | 1.2 | 2 | 2 | 10 | 2.95 | .039 | 19 | 34 | 1.14 | 133 | .01 | 2 | 1.15 | .01 | .08 | 1 |
| 90R50 105-110 | 4 | 8 | 16 | 89 | .3 | 8 | 7 | 245 | 2.26 | 18 | 5 | ND | 6 | 100 | .5 | 3 | 2 | 12 | 2.07 | .034 | 17 | 30 | 1.16 | 102 | .01 | 2 | 1.28 | .02 | .06 | 1 |
| 90R50 110-115 | 3 | 7 | 12 | 75 | .1 | 7 | 5 | 252 | 2.10 | 13 | 5 | ND | 5 | 122 | .4 | 2 | 2 | 10 | 3.65 | .037 | 12 | 28 | 1.06 | 116 | .01 | 2 | 1.21 | .01 | .06 | 1 |
| STANDARD C | 19 | 62 | 38 | 132 | 6.9 | 70 | 32 | 1073 | 4.05 | 39 | 18 | 7 | 40 | 52 | 18.4 | 14 | 19 | 56 | .48 | .092 | 38 | 57 | .86 | 185 | .10 | 33 | 1.98 | .06 | .13 | 11 |

BACON DONALDSON
& ASSOCIATES LTD.

12271 Horseshoe Way
Richmond, B.C.
V7A 4Z1
Telephone: (604) 277-2322
Telefax: (604) 274 7235

TELECOPIER COVER SHEET

| MESSAGE NO: 8488 | PAGE: 1 of 7 | FILE NO: M1-007 | DATE: Feb 5, 1991 |
|---|---|---|---|

TO: Hughes Lang Group

ATTENTION: Scott Tomlinson

FAX NUMBER: 687-3932

FROM: Lawrence Tamelin

Attached are the results & the gravity concentration tests of Drill hole 90R23.
If you have any questions please call.

Regards,

Lawrence Tamelin

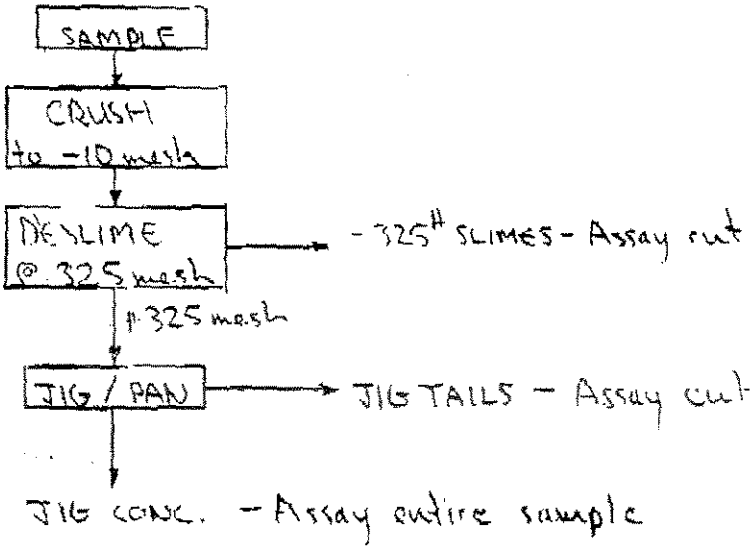
If you do not receive all the pages, or if they are not legible, please phone.

BACON, DONALDSON & ASSOCIATES LTD.

PROJECT No. M1-003 DATE Feb 5, 1991

Subject Assays of hole 90R23

The four samples of hole 90R23 have been processed and assayed according to the following flowsheet.




The total sample assays are presented in the following table. Detailed balances of each sample are presented on the attached sheets.

CALCULATED SAMPLE ASSAYS

| TEST NO. | HOLE NO. | DEPTH | CALCULATED ASSAYS | | | |
|---|---|---|---|---|---|---|
| | | | Au | | Ag | |
| | | | g/tonne | oz/ton | g/tonne | oz/ton |
| A1 | 90R23 | 20-25 | 0.949 | 0.028 | 0.044 | 0.001 |
| A2 | 90R23 | 25-30 | 5.693 | 0.166 | 2.463 | 0.072 |
| A3 | 90R23 | 30-35 | 6.806 | 0.199 | 2.217 | 0.065 |
| A4 | 90R23 | 35-40 | 13.236 | 0.386 | 2.406 | 0.070 |

BACON, DONALDSON & ASSOCIATES LTD.

PROJECT No. ____ DATE ____

Subject ____

Slimes and Jig tails were assayed in duplicate. Slight discrepancies in the slimes assays were noted and larger discrepancies in the jig tails assays of tests A1 and A2 were noted. The jig tails of A1 and A2 were reassayed in duplicate. The averages of the assays were used to calculate the total sample (head) assays.

The reassayed jig tails still showed discrepancies and are therefore presented in the following table.

JIG TAILS Au ASSAYS

| TEST NO. | HOLE NO. | DEPTH | WEIGHT OF ASSAY CUT (g) | Au oz/ton | Average Au oz/ton | Average Au g/tonne |
|---|---|---|---|---|---|---|
| A1 | 90R23 | 20-25 | 40 | 0.002 | 0.024 | 0.823 |
| | " | " | " | 0.071 | | |
| | " | " | " | 0.005 | | |
| | " | " | " | 0.019 | | |
| A2 | 90R23 | 25-30 | 40 | 0.117 | 0.092 | 3.154 |
| | " | " | " | 0.063 | | |
| | " | " | " | 0.064 | | |
| | " | " | " | 0.124 | | |

These discrepancies should be noted since the jig tails account for 79.3% and 76.9% of the total sample weight for A1 and A2 respectively. The assay variations will affect the total sample assay.

There are several possible explanations for these discrepancies. If you wish to discuss them please feel free to give me a call.

Sincerely,
Lawrence Palmer

TEST NUMBER: A1 (HOLE #UJ) R 23 (20-25)

| PRODUCT | WEIGHT GMS | WEIGHT % | ASSAYS Au g/tonne | ASSAYS Ag g/tonne | % DIST Au | % DIST Ag |
|---|---|---|---|---|---|---|
| Jig Conc | 16.1 | 0.17 | 117.704 | 25.680 | 21.16 | 100.00 |
| Jig Tail | 7073.0 | 79.27 | 0.823 | <0.343 | 69.12 | |
| Slimes (-325#) | 1835.0 | 20.56 | 0.446 | <0.343 | 9.71 | |
| CALC HEAD | 8923.1 | 100.0 | 0.944 | 0.044 | 100.00 | 100.00 |

4/

TEST NUMBER: A2 HOLE #80 R 23 (25-30)

| PRODUCT | WEIGHT gms | WEIGHT % | ASSAYS Au g/tonne | ASSAYS Ag g/tonne | % DIST Au | % DIST Ag |
|---|---|---|---|---|---|---|
| Jig Conc | 24.1 | 0.26 | 951.917 | 238.781 | 43.78 | 25.06 |
| Jig Tail | 7087.0 | 76.90 | 3.154 | 1.749 | 42.81 | 54.59 |
| Slimes (-325#) | 2105.0 | 22.84 | 3.994 | 2.184 | 18.02 | 20.35 |
| CALC HEAD | 9216.1 | 100.0 | 5.693 | 2.463 | 100.00 | 100.00 |

TEST NUMBER: A3 HOLE #90 R 23 (30-35)

| PRODUCT | WEIGHT GMS | WEIGHT % | ASSAYS Au g/tonne | ASSAYS Ag g/tonne | % DIST Au | % DIST Ag |
|---|---|---|---|---|---|---|
| Jig Conc | 43.7 | 0.32 | 434.541 | 108.424 | 20.47 | 15.39 |
| Jig Tail | 10781.0 | 78.78 | 4.560 | 1.371 | 52.79 | 48.78 |
| Slimes (-325#) | 2847.0 | 20.90 | 8.709 | 3.606 | 26.74 | 35.83 |
| CALC HEAD | 13621.7 | 100.0 | 8.806 | 2.217 | 100.00 | 100.00 |

TEST NUMBER: A4 HOLE #80 @ 23 (35-40)

| PRODUCT | WEIGHT GMS | WEIGHT % | ASSAYS Au g/tonne | ASSAYS Ag g/tonne | % DIST Au | % DIST Ag |
|---|---|---|---|---|---|---|
| Jig Conc | 29.9 | 0.36 | 3377.861 | 597.708 | 90.89 | 88.49 |
| Jig Tail | 8528.0 | 77.71 | 1.097 | 0.240 | 6.44 | 7.75 |
| Slimes (-325#) | 1643.0 | 21.94 | 1.611 | 0.411 | 2.67 | 3.75 |
| CALC HEAD | 8400.9 | 100.0 | 13.236 | 2.406 | 100.00 | 100.00 |

# ACCURASSAY LABORATORIES LTD.

P.O. BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.


# Certificate of Analysis

Scott Tomlinson
Hughes-Lang Group
1000-1177 W. Hastings St.
VANCOUVER, BC
V6E 2K3



36604

Date: January 17 19 91

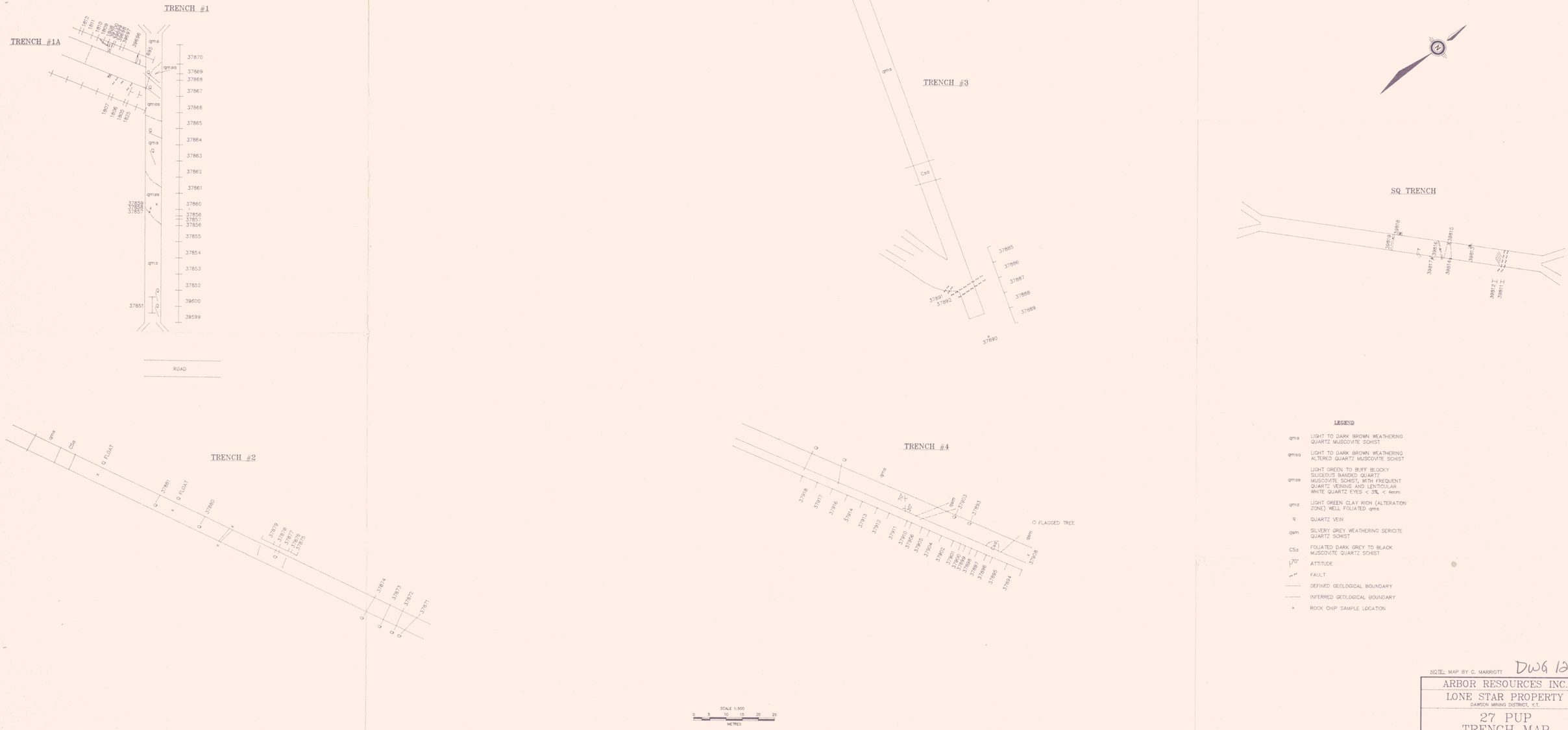
WORK ORDER: T910008
PROJECT:

| SAMPLE NUMBERS ACCURASSAY | CUSTOMER | WEIGHT PULP (g) | GOLD Oz/T | RESIDUE Oz/T | TOTAL ASSAY Oz/T | PERCENT RECOVERY |
|---|---|---|---|---|---|---|
| 537953 | 90R18-100-105 | 1881.0 g | 0.136 | 0.0079 | 0.144 | 94 |
| 537954 | 90R18-105-110 | 1684.0 g | 0.227 | 0.0324 | 0.259 | 87 |
| 537955 | 90R18-110-115 | 3299.0 g | 0.028 | 0.0026 | 0.031 | 92 |
| 537956 | 90R18-115-120 | 3482.0 g | 0.210 | 0.0100 | 0.220 | 95 |
| 537957 | 90R18-120-125 | 1551.0 g | 0.293 | 0.0189 | 0.311 | 94 |
| 537958 | 90R23-10-15 | 1834.0 g | 0.029 | 0.0022 | 0.031 | 93 |
| 537959 | 90R23-15-20 | 940.0 g | 0.015 | 0.0011 | 0.016 | 93 |
| 537960 | 90R23-20-25 | 1592.0 g | 0.015 | 0.0006 | 0.016 | 96 |
| 537961 | 90R23-25-30 | 2164.0 g | 0.269 | 0.0207 | 0.289 | 93 |
| 537962 | 90R23-30-35 | 1729.0 g | 0.281 | 0.0181 | 0.300 | 94 |
| 537963 | 90R23-35-40 | 925.0 g | 0.057 | 0.0047 | 0.061 | 92 |

Per:



ORIGINAL




**LEGEND**

| | |
|---|---|
| qms | LIGHT TO DARK BROWN WEATHERING QUARTZ MUSCOVITE SCHIST |
| qmsa | LIGHT TO DARK BROWN WEATHERING ALTERED QUARTZ MUSCOVITE SCHIST |
| qmss | LIGHT GREEN TO BUFF BLOCKY SILICEOUS BANDED QUARTZ MUSCOVITE SCHIST, WITH FREQUENT QUARTZ VEINING AND LENTICULAR WHITE QUARTZ EYES < 3% < 4mm |
| qmsc | LIGHT GREEN CLAY RICH (ALTERATION ZONE) WELL FOLIATED qms |
| q | QUARTZ VEIN |
| qsm | SILVERY GREY WEATHERING SERICITE QUARTZ SCHIST |
| CSa | FOLIATED DARK GREY TO BLACK MUSCOVITE QUARTZ SCHIST |
| 70° | ATTITUDE |
| | FAULT |
| | DEFINED GEOLOGICAL BOUNDARY |
| | INFERRED GEOLOGICAL BOUNDARY |
| x | ROCK CHIP SAMPLE LOCATION |

NOTE: MAP BY C. MARRIOTT DWG 129

ARBOR RESOURCES INC.
LONE STAR PROPERTY
DAWSON MINING DISTRICT, Y.T.

# 27 PUP TRENCH MAP

BY: S.T./p.s.
DATE: MAY, 1991
FIGURE: 6

MAP# 115/0/10 Doc# 092969 (65)

APPIAN RESOURCES LTD.

ARBOR RESOURCES INC.

ARBOR RESOURCES INC.

STAKED

HISTORICAL RESERVE (NO STAKING)

STAKED

FAITH MINES LTD.

ARBOR RESOURCES INC.

FAITH MINES LTD.

FAITH MINES LTD.

BONANZA CREEK

IRISH GULCH

FRENCH GULCH

ELDORADO

LITTLE ELDORADO

GLACIER GULCH

22 GULCH

GRANGE CREEK

GAY GULCH

GOLDEN GULCH

NUGGET GULCH

SPRING GULCH

DAWSON GULCH

HOMESTAKE GULCH

JIM GULCH

NIGGER GULCH

DYKE

NAGLEY GULCH

VICTORIA GULCH

ADAIR GULCH

BASE LINE

STEWART WORKINGS

CHRISTY WORKINGS

THISTLE WORKINGS

HELENA WORKINGS

98 DOWSE TRENCH

98 GAY GULCH CUT

98 GAY GULCH HEADING

BOULDER LODE

PIONEER

PIP

ELEV. 6570

ELEV. 6480

ELEV. 6390

SCALE 1:10,000

0 100 200 300 400 500

METRES

## LEGEND

- PLACER PAY STREAK
- AURIFEROUS QUARTZ VEIN
- GOLD SOIL ANOMALY ((10 PPB)
- IP RESISTIVITY LOWS
- PERCUSSION DRILL HOLE
- DIAMOND DRILL HOLE
- BUILDING
- ROAD
- RIVER
- TRENCH
- UNDERGROUND WORKINGS
- SAMPLE SITES

DWG 130

ARBOR RESOURCES INC.

LONE STAR PROPERTY

DAWSON MINING DISTRICT, Y.T.

COMPILATION MAP

MAP # 115/e/10

BY: S.T./p.a.

DATE: JUNE, 1991

Doc # 092089

(66)

FIGURE: 2

# GEOPHYSICAL REPORT

ON

092969

INDUCED POLARIZATION, RESISTIVITY,

MAGNETIC, VLF-EM AND HORIZONTAL LOOP EM SURVEYS

OVER PORTIONS OF THE

LONESTAR PROPERTY

ELDORADO CREEK, DAWSON CITY

DAWSON M.D., YUKON TERRITORY

OFFICE OF THE REGIONAL MANAGER
MINERAL RIGHTS
JUL 12 1991
WHITEHORSE
YUKON TERRITORY

---

| | |
|---|---|
| PROPERTY | : Center is 20.5 km S 20°E of Dawson City<br>: 65°53' North Latitude, 139°14' West Longitude<br>: N.T.S. 115 0/14 |
| CLAIMS WORKED | : See Table II |
| SURVEY PERIOD | : July 25 - November 6, 1990 |
| WRITTEN FOR | : ARBOR RESOURCES INC.<br>: 1000 - 1177 West Hastings Street<br>: Vancouver, B.C. V6E 2K3 |
| WRITTEN BY | : David G. Mark, Geophysicist<br>: GEOTRONICS SURVEYS LTD.<br>: #530 - 800 West Pender Street<br>: Vancouver, B.C., V6C 2V6 |
| DATE | : March, 1991 |

Accompanies Report # 092969

Preliminary

This Report Was Never Approved for Assessment Credit.

GEOTRONICS SURVEYS LTD.
Engineering & Mining Geophysicists
VANCOUVER, CANADA

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092969

APR 18 1991

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# LIST OF ILLUSTRATIONS


**AT END OF REPORT**

| | Scale | Map # |
|---|---|---|
| Location Map | 1: 9,175,000 | 1 |
| Claim Map | 1: 50,000 | 2 |
| IP Grid Location Map | 1: 25,000 | 3 |

**IN BACK POCKET**

| | | |
|---|---|---|
| IP Grid Survey Plan | 1: 5,000 | 4 |
| Lone Star Grid | | |
| 1) Survey Data Plans | | |
| Apparent Chargeability, n=2 | 1: 2,500 | 5 |
| Apparent Chargeability, n=4 | 1: 2,500 | 6 |
| Apparent Chargeability, n=6 | 1: 2,500 | 7 |
| Apparent Resistivity, n=2 | 1: 2,500 | 8 |
| Apparent Resistivity, n=4 | 1: 2,500 | 9 |
| Apparent Resistivity, n=6 | 1: 2,500 | 10 |
| 2) Pseudosections | | |
| Line 0 + 50N | 1: 2,500 | 11 |
| Line 0 + 00 (Bldr 333) | 1: 2,500 | 12 |
| Line 1 + 10 S | 1: 2,500 | 13 |

| | Scale | Map # |
|---|---|---|
| **7 - Pup Grid** | | |
| 1) Survey Data Plans | | |
| Apparent Chargeability, n=2 | 1: 2,500 | 14 |
| Apparent Chargeability, n=4 | 1: 2,500 | 15 |
| Apparent Chargeability, n=6 | 1: 2,500 | 16 |
| Apparent Resistivity, n=2 | 1: 2,500 | 17 |
| Apparent Resistivity, n=4 | 1: 2,500 | 18 |
| Apparent Resistivity, n=6 | 1: 2,500 | 19 |
| 2) Pseudosections | | |
| Line 0 + 00 (crossline) | 1: 2,500 | 20 |
| Line 3 + 80E | 1: 2,500 | 21 |
| Line 4 + 80E | 1: 2,500 | 22 |
| Line 5 + 80E | 1: 2,500 | 23 |
| **McKay - O'Neil Grid** | | |
| 1) Survey Data Plans | | |
| Apparent Chargeability, n=2 | 1: 2,500 | 24 |
| Apparent Chargeability, n=4 | 1: 2,500 | 25 |
| Apparent Chargeability, n=6 | 1: 2,500 | 26 |
| Apparent Resistivity, n=2 | 1: 2,500 | 27 |
| Apparent Resistivity, n=4 | 1: 2,500 | 28 |
| Apparent Resistivity, n=6 | 1: 2,500 | 29 |
| 2) Pseudosections | | |
| Line 1 + 00 S (crossline) | 1: 2,500 | 30 |
| Line 1 + 00 W | 1: 2,500 | 31 |
| Line 0 + 00 | 1: 2,500 | 32 |
| Line 1 + 00 E | 1: 2,500 | 33 |
| Line 2 + 00 E | 1: 2,500 | 34 |

| | Scale | Map # |
|---|---|---|
| **Irish Gulch Grid** | | |
| 1) Survey Data Plans | | |
| Apparent Chargeability, n=2 | 1: 2,500 | 35 |
| Apparent Chargeability, n=4 | 1: 2,500 | 36 |
| Apparent Chargeability, n=6 | 1: 2,500 | 37 |
| Apparent Resistivity, n=2 | 1: 2,500 | 38 |
| Apparent Resistivity, n=4 | 1: 2,500 | 39 |
| Apparent Resistivity, n=6 | 1: 2,500 | 40 |
| 2) Pseudosections | | |
| Line 12 + 30 S | 1: 2,500 | 41 |
| Line 13 + 30 S | 1: 2,500 | 42 |
| Line 14 + 30 S | 1: 2,500 | 43 |
| **French Gulch Grid** | | |
| 1) Survey Data Plans | | |
| Apparent Chargeability, n=2 | 1: 5,000 | 44 |
| Apparent Chargeability, n=4 | 1: 5,000 | 45 |
| Apparent Chargeability, n=6 | 1: 5,000 | 46 |
| Apparent Resistivity, n=2 | 1: 2,500 | 47 |
| Apparent Resistivity, n=4 | 1: 5,000 | 48 |
| Apparent Resistivity, n=6 | 1: 2,500 | 49 |
| 2) Pseudosections | | |
| Line 3 + 60 E (crossline) | 1: 2,500 | 50 |
| Line 2 + 55 S | 1: 2,500 | 51 |
| Line 4 + 25 S | 1: 2,500 | 52 |
| Line 5 + 40 S | 1: 2,500 | 53 |
| Line 6 + 80 S | 1: 2,500 | 54 |
| Line 7 + 35 S | 1: 2,500 | 55 |
| Line 8 + 55 S | 1: 2,500 | 56 |

| | Scale | Map # |
|---|---|---|
| **Oro Grande Grid and Gay Gulch Grid** | | |
| 1) Survey Data Plans | | |
| Apparent Chargeability, n=2 | 1: 2,500 | 57 |
| Apparent Chargeability, n=4 | 1: 2,500 | 58 |
| Apparent Chargeability, n=6 | 1: 2,500 | 59 |
| Apparent Resistivity, n=2 | 1: 2,500 | 60 |
| Apparent Resistivity, n=4 | 1: 2,500 | 61 |
| Apparent Resistivity, n=6 | 1: 2,500 | 62 |
| 2) Pseudosections - Oro Grande Grid | | |
| Line 49 + 70 S | 1: 2,500 | 63 |
| Line 52 + 50 S | 1: 5,000 | 64 |
| Line 54 + 50 S | 1: 2,500 | 65 |
| Line 56 + 40 S | 1: 2,500 | 66 |
| 3) Pseudosections - Gay Gulch Grid | | |
| Line 2 + 20 N | 1: 2,500 | 67 |
| Line 1 + 20 N | 1: 2,500 | 68 |
| Line 0 + 00 (west) | 1: 5,000 | 69(a) |
| Line 0 + 00 (east) | 1: 5,000 | 69(b) |
| Line 1 + 01 S | 1: 2,500 | 70 |
| Line 0 + 04N - Detail (n=5.0 m) | 1: 500 | 71 |
| Line 0 + 10N - Detail (n=7.5 m) | 1: 500 | 72 |
| **Eldorado Creek** | | |
| 1) Pseudosections | | |
| Line Eldo-444 | 1: 2,500 | 73 |

# GEOPHYSICAL REPORT

# ON

# INDUCED POLARIZATION, RESISTIVITY

# MAGNETIC, VLF-EM AND HORIZONTAL LOOP EM SURVEYS

# OVER PORTIONS OF THE

# LONESTAR PROPERTY

# ELDORADO CREEK, DAWSON CITY

# DAWSON M.D., YUKON TERRITORY

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## INTRODUCTION AND GENERAL REMARKS

This report discusses the instrumentation, theory, field procedure and results of induced polarization (IP), resistivity, magnetic,very low frequency electromagnetic (VLF-EM) and horizontal loop electromagnetic (HLEM) surveys carried out over portions of the Lone Star property. The center of the property (Boulder Lode mine site) is located 20.5 km S20°E of Dawson City and occurs on Eldorado Creek, within the west central part of the Yukon.

The field work was completed from July 25 to November 6, 1990 under the supervision of David G. Mark, geophysicist, and under the field supervision of Alain Charest, geophysical technician, who also formed part of the field crew. A second geophysical technician as well as two helpers completed the crew of four.
The work was carried out over 7 grids, namely, (1) Lone Star, (2) 7-Pup, (3) McKay-

O'Neil, (4) Irish Gulch, (5) French Gulch, (6) Oro Grande, and (7) Gay Gulch, as well as a 7-km long line along a stretch of Eldorado Creek (see map #3).

Almost all of the work consisted of IP and resistivity surveys. In general, the main purpose was to locate sulphide mineralized zones since the only significant gold discovered in place was on the Lone Star part of the property and occurred with, or was associated with, sulphides. From previous work (Walcott), it was known the mineralization was reflected as chargeability (IP) highs of moderate amplitude. The correlating resistivity response was background or broad lows of low amplitude. This response contrasted sharply with that over graphitic zones which are reflected by strong IP highs correlating with strong resistivity lows.

A secondary purpose of the resistivity survey was to assist in the mapping of the bedrock geology. It was expected that faults and shear zones would show up as lineal-shaped resistivity lows; intrusive dykes as lineal-shaped resistivity highs (though the feldspar porphyry dyke seemed to be reflected as a resistivity low); alteration zones as resistivity lows; and siliceous zones as resistivity highs.

Magnetic, VLF-EM, and HLEM surveys for orientation purposes were also carried out over some lines on the McKay-O'Neil Grid, the 7-Pup Grid, and the Lone Star Grid. In addition, magnetic readings were taken on the French Gulch and Gay Gulch Grids. The purpose of the magnetic surveys was to locate intrusive dykes, especially the diabase dykes which respond as reverse polarity magnetic lows. The purpose of the VLF-EM and HLEM surveys was to locate sulphide mineralization containing gold values with the secondary purpose of the VLF-EM to map structure.

The Geotronics crew was located onto the various grids by Art Troup, geological engineer and exploration manager, or by Scott Tomlinson, geologist, and project manager.

Much of the following information up to and including the section on geology is taken from or directly quoted from P.B. Grunenberg's report of February, 1989. The writer has condensed the property description (physiography, geology, etc.) and thus a more thorough description is given in his report.

## PROPERTY AND OWNERSHIP

The property consists of 284 located mineral claims and 13 Crown-Granted claims, all contiguous. They are shown on map #2 and are described below in Table I:

### TABLE I - PROPERTY CLAIMS

| CLAIM NAME | GRANT NO. | ANNIVERSARY DATE |
|---|---|---|
| DE 1-14 | YA55250-263 (14) | DECEMBER 31 |
| AC 1-12 | YA64270-281 (12) | DECEMBER 31 |
| AC 13-35 | YA65627-650 (23) | DECEMBER 31 |
| RJ 1-32 | YA64216-247 (32) | DECEMBER 31 |
| RJ 39-60 | YA65595-616 (22) | DECEMBER 31 |
| RJ 62-63 | YA65618-619 (2) | DECEMBER 31 |
| RJ 65-70 | YA65621-626 (6) | DECEMBER 31 |
| RON 1-40 | YA10300-39 (40) | DECEMBER 31 |
| CIM 1-4 | YA64519-522 (4) | DECEMBER 31 |
| REX 1-51 | YA84183-233 (51) | DECEMBER 31 |
| DN 1-2 | YA32783-784 (2) | DECEMBER 31 |
| DN 3-9 | YA47890-896 (7) | DECEMBER 31 |
| DN 10 | YA47082 (1) | DECEMBER 31 |
| DN 11-26 | YA32946-961(16) | DECEMBER 31 |
| DN 27-31 | YA47083-087 (5) | DECEMBER 31 |
| DN 32-33 | YA47604-605 (2) | DECEMBER 31 |
| DN 1F-2F | YA47090-091 (2) | DECEMBER 31 |
| DN F | YA47088 (1) | DECEMBER 31 |
| ND 1-22 | YA49724-745 (22) | DECEMBER 31 |
| ND F | YA47089 (1) | DECEMBER 31 |
| VI 1-15 | YA55285-299(15) | DECEMBER 31 |
| VI 16 | YA65523 (1) | DECEMBER 31 |
| VI 18 | YA65525 (1) | DECEMBER 31 |
| VI 43-44 | YA65550-551 (2) | DECEMBER 31 |

| CROWN GRANT CLAIMS | LOT NO. | ANNIVERSARY DATE | CROWN GRANT CLAIMS | LOT NO. | ANNIVERSARY DATE |
|---|---|---|---|---|---|
| VICTORIA | 86 | JULY 1 | ZULU CHIEF | 411 | JULY 1 |
| PORPHYRY LODE | 104 | JULY 1 | NEW BONANZA # 2 | 424 | JULY 1 |
| YANKEE GIRL | 105 | JULY 1 | SWASTIKA | 533 | JULY 1 |
| ESTER EDNA | 106 | JULY 1 | UDAS | 534 | JULY 1 |
| NEW BONANZA | 408 | JULY 1 | CATO | 535 | JULY 1 |
| NIOBE FRACTION | 409 | JULY 1 | THISTLE | 536 | JULY 1 |
| LONE STAR | 410 | JULY 1 | | | |

The property is 100% owned by Arbor Resources Inc. of Vancouver, B.C.

## LOCATION AND ACCESS

The Lone Star Mine within the center of the property is located 20.5 km (12.7 miles) S20°E (160°E) of the town of Dawson City which is the principal supply center of the northwestern Yukon. The property is located along Bonanza and Eldorado Creeks as well as on the hill between the two creeks (see map #2).

The geographical coordinates are 65°53'N latitude and 139°14'W longitude.

Dawson City can be reached by a paved road from Whitehorse, a distance of 535 km (333 miles), or by air from Whitehorse by scheduled flights of Air North (DC-3 or DC-4) and Alcan Air (smaller aircraft).

"Excellent access to the property is provided by the well-maintained, all-weather Klondike Highway which connects with the Bonanza Creek Road approximately 3 km (2 miles) east of Dawson City. The Bonanza Creek Road branches at the former site of the town of Grand Forks with roads going along both Bonanza and Eldorado Creeks. Several recently completed 'bush' roads provide good access for 4X4 truck and other off road vehicles, within much of the claim group."

## PHYSIOGRAPHY

The property occurs within the Klondike region which is part of the Yukon Plateau, an upland surface that has been dissected and eroded by numerous small streams. "The valleys are flat and wide in their lower reaches, but gradually narrow toward their head waters into steep-sided gulches ending in broad, amphitheatre-shaped bowls."

"The Klondike region was not glaciated and, as a result, the deeply weathered, pre-glacial, gently rolling upland surface has been preserved. The thick covering of decomposed schist, usually intermingled with slide rock, mantles the side hills nearly everywhere. On the ridges the covering is less; the schists, often worn into fantastic shapes, occasionally project above surface or crop out along the sides of the steeper hills."

Eldorado Creek and Upper Bonanza Creek and their tributaries drain the property.

The elevation ranges from 495m (1623 ft) on Eldorado Creek near its confluence with Upper Bonanza, to 1173m (3851 ft) within the southeast corner of the property to give a relief of 650m (1623 ft).

"The climate consists of long winters with temperatures that are often intensely cold while the summers are short, but with warm days and cool nights. The precipitation is about 30cm (12 in) per year. Vegetation is mixed boreal forest and tundra. Immature and stunted stands of aspen, balsam, poplar, and birch are present in the valley bottoms and are beginning to reclaim the older mining areas. Softwood timber consisting mainly of white and black spruce are limited to slopes and ridge tops."

## PREVIOUS WORK

With the Klondike discovery in 1896, and the subsequent placer staking of all the creeks in the region, it was not long before attention was paid to locating the source of the gold. Several auriferous quartz veins were discovered near the turn of the century. This eventually led to the mining of the Lone Star property between 1912 and 1914 which consisted of 8,435 tons carrying 0.148 oz/ton. From then on, exploration was carried out sporadically up until 1960.

"In 1960, the property was acquired by Klondike Lode Gold Mines Ltd. This group conducted the first systematic exploration of the area outside of the limits of the old workings. Contour-controlled bulldozer trenching was carried out on various parts of the claim group, and overburden samples from the trenches were panned and sluiced to determine gold content. Results were encouraging and six diamond drill holes totalling 238 m (781 ft) were drilled on the Eldorado Creek side of the claims in 1962. Unfortunately, the project was abandoned in 1962 due to lack of funds.

"In 1979-80, Klon Explorations Company Ltd. carried out VLF-EM and magnetometer surveys across Eldorado Creek at French Gulch. This was followed by minor diamond drilling in an attempt to locate what were believed to be auriferous structures beneath the creek. A coincident programme involving reverse circulation drilling in the creek to locate buried placer gold was conducted. This project was also hampered by lack of funds, and was terminated in 1980.

"Dawson Eldorado Gold Explorations Ltd. acquired its present land position between 1980 and 1985 and were the first to attempt to understand the complex geological, geochemical, and mineralogical relationships involved with the property. In 1980, a resistivity survey was conducted over the Lone Star workings, with limited success (permafrost being the main problem). During 1981, much of the central portion of the claim group was soil sampled at 120 m stations using conventional sampling techniques and several bulldozer trenches were sampled. In 1984, the soil sampling grids were extended and additional bulldozer trenches were dug. In 1985, six rotary drill holes, totalling 168 m, were drilled in the vicinity of anomalous zones as outlined in the 1960 and 1981-84 programmes.

"Exploration continued by Mark Management Ltd. for Arbor Resources and an extensive programme was completed during 1986 and early 1987. This programme included 86 km of magnetometer, 3 km of VLF-EM16, and 31.3 km of I.P. surveys. Reconnaissance work included 250 soil and 42 rock chip samples. Targets outlined by this ground work were later drilled, and a total of 8,589 feet of diamond and 9,210 feet of rotary drilling were completed. Diamond drill holes intersected strataform disseminated sulphide horizons which contained gold values up to 0.357 oz/T. These were commonly bounded by wider zones of lower grade gold content.

"A low level helicopter supported airborne geophysical survey was carried out by Aerodat Limited of Mississauga, Ontario, during December 1986 and January 1987. Ground follow-up included 10 kilometres of VLF-EM16 survey and 18 kilometres of I.P. survey. An extensive grid was established over the ridge between Upper Bonanza and Eldorado Creeks, with 1599 soil samples and 29 rock samples being collected. Targets outlined by these surveys were eventually trenched and drilled, with 23 bulldozer trenches, 5,546 feet of diamond drilling, and 13,330 feet of rotary drilling being completed. Many gold bearing intersections were obtained, with two main zones of interest outlined, near Gay Gulch and near the old Lone Star mine workings. Geological interpretation indicates that these two zones are stratigraphically related through anticlinal folding, with the fold axis along the ridge between Eldorado and Upper Bonanza Creek.

"During the 1988 exploration season, the work included:

(1) Geophysical work consisting of 18 km of VLF-EM16 and 9 km of Induced Polarization surveys. The latter was contracted to P.E. Walcott and Associates Ltd. and is discussed in a separate report (See Walcott reference).

(2) 1,437 horizon soil samples taken from 63 kilometres of hip chain and compass flagged lines established over 4 grids on the claims.

(3) 61 rock chip samples taken during geological mapping and prospecting on the claims.

(4) 39 bulldozer trenches with a further 1,352 rock chip samples."

The 1988 work was thoroughly reported by P. Grunenberg. The purpose of the work was to extend known zones of mineralization, especially that of the Lone Star workings, as well as to locate previously unknown zones. This included testing of airborne anomalies such as magnetic laws. Some of the results are as follows:

(1) Soil sampling extended the Lone Star gold anomaly eastward and the IP survey located chargeable zones upslope from anomalous soil results. Subsequent trenching of the IP anomalies revealed pyrite and galena-bearing schist, but without gold values.

(2) A number of quartz veins containing "ore-grade" amount of gold were located in other areas of the property, but these were usually narrow and discontinuous.

During 1991, the exploration consisted of (besides the geophysics discussed within this report) prospecting, soil sampling, rock chip sampling, much "cat" trenching, and rotary drilling. The work is discussed in a report currently being written by Scott Tomlinson.

## GEOLOGY

The following is quoted directly from Grunenberg's report, but for "up-to-date" geology, the reader is referred to Tomlinson's report.

### (1) Property

"The geology of the property, as currently understood, was chiefly determined from the examination of trenches, road cuts, and diamond-drill core, and the interpretation of geophysical information, as there are few outcrops. The property is underlain almost entirely by facies of the Klondike Schist. Lithological and structural continuity has been disrupted by folding and faulting. Age relationships of the various lithologies are largely unknown since tops cannot be determined and contacts are either gradational, interlayered, or faulted.

"Rocks on the property are comprised of well-foliated, rust-yellow weathering, light greyish-green, undifferentiated chloritic schists, muscovite schists, and quartz-sericite schists. These schists are interbedded with narrow lenses of calcareous graphitic schist, particularly along Eldorado Creek, and with fine-grained, massive, tan weathering, grey-brown micaceous quartzites. Graphitic schists are traceable as marker horizons in stratigraphy.

"The micaceous schists and quartzites commonly contain up to 15% small, blue quartz eyes. The quartz eyes may represent crystals, tuff fragments, or porphyroblasts.

"To the west of the claim group the Klondike Schists are in contact with a blocky weathering, granitic textured, biotite-quartz-feldspar Orthogneiss. Thin section studies of these rocks indicate that they were originally medium-to coarse-grained plutonic rocks of granodiorite to quartz diorite composition, and may represent the original magma for those tuffs now comprising the Klondike Series.

"All formations are interrupted by a number of north to north-west trending, magnetite-bearing, quartz-feldspar porphyry (rhyolite) and diabase dykes which may be up to 60 m wide. Diabase dykes often contain serpentine alteration near surface; previously these had been mis-interpreted as thin ultramafic bodies. The dykes cut most structural trends but are offset by more recent northwest striking faults. The dykes may occupy old fault zones, and in places apparent offsets in strata of up to 300 metres is recorded. No extensive metamorphic halos are reported to be associated with these dykes.

"Numerous quartz and quartz-carbonate lenses and pods dot the hillsides on the property. These are mostly stretched along the primary foliation plane within the schists, and were likely metamorphically produced. Thin section studies (appendix 2) indicate that the quartz developed under stress under moderately deep-seated, possibly mesothermal conditions. The majority of these lenses have a mappable strike length of under 100 metres, and widths of 30 to 100 centimetres. Quartz veins often contain galena, and are thought to be of a higher temperature mesothermal origin. The margins of gold has been found within the oxidized boxworks of pyrite (trench samples) at the quartz-country rock contact.

"The local geology is complicated by a series of northwest trending antiforms and synforms. Interpretation of these features indicates that the schists are folded into a broad northwest trending anticline, with the hinge roughly following the ridge between Upper Bonanza and Eldorado Creeks. The repetition of graphitic schist horizons along Eldorado Creek to those found near the old Lone Star mine and Victoria Gulch, likely trace the opposing limbs of such an anticline. All stratigraphy in between would be subject to a similar kind of repetition. This is important if ore horizons prove to be strataform.

"Foliation is generally parallel to regional stratigraphic trends, except along Eldorado Creek, where strikes are westerly with dips to the south.

"On **figure 4** the target horizon for gold within the Klondike schists is outlined as a unit of quartz-muscovite schist which contains some combination of pyrite, arsenopyrite, mariposite, or grey coloured carbonate blebs (diamond drill core observations). The gold bearing units intersected near the old Lone Star mine may be genetically related to those intersected near Gay Gulch. The source then represents a particular time horizon of volcanogenic deposition which resulted in the formation of some or all of the above minerals, as well as gold."

## (2) Mineralization

"The earliest reported study on the lode deposits was by Cairnes (1911) in which he briefly described the development work on some of the more promising quartz veins in the district. One property (Boulder Lode), near the head waters of Victoria Gulch, a tributary of Bonanza Creek, was considered the source of the gold in the gulch, and along part of Bonanza Creek. The principal vein, with its associated surrounding mineralized zone, varied in thickness from 1 to 3 m (3 to 10 ft) and was traceable along strike for 120 m (400 ft) with a possible extension of another 200 m (600 ft). Cairnes failed to indicate the grade of this deposit, but he suggested that the gold content was in excess of 0.25 ounces per ton. Reserves in this vein indicated approximately 1500 tons per metre containing about 400 ounces per metre. McConnell (1905) reported that ten 500 foot wide placer claims along Victoria Gulch and Bonanza Creek produced over 200,000 ounces: the inference is that all the gold recovered in the placers could not have come solely from this vein."

"Diamond drilling in 1986 of geochemical and geophysical targets near the Boulder Lode intercepted several sulphide rich horizons within quartz-muscovite and chloritic muscovite schists. Fire assays of samples from these zones detected gold values up to 0.357 oz/t. None of these gold bearing horizons were related to any quartz veining as studied by Cairnes. Rotary drilling during January and early February 1987 intersected several gold bearing zones between Oro Grande and Gay Gulches. Fire assays of samples from these zones detected gold values up to 0.230 oz/t at depths ranging from 6 m to 145 m (20 to 475 ft)."

"Continued trenching and drilling during 1987 and 1988 has further confirmed and expanded the gold bearing horizons as outlined in previous drilling; near the old Lone Star workings, and between Oro Grande and Gay Gulches."

## CLAIMS WORKED:

The following table gives the names of the claims on which geophysics was carried out on.

**TABLE II - CLAIMS WORKED**

| CLAIM NAME | GRANT NO. | ANNIVERSARY DATE |
|---|---|---|
| CIM 1-2 | YA64519-520 | DECEMBER 31 |
| DE 9 | YA55259 | DECEMBER 31 |
| DN 1-2 | YA32783-784 | DECEMBER 31 |
| DN 5-7 | YA47892-894 | DECEMBER 31 |
| DN 13-18 | YA32948-953 | DECEMBER 31 |
| DN 20 | YA32955 | DECEMBER 31 |
| DN 27, 29 | YA47083, '85 | DECEMBER 31 |
| DN 32-33 | YA47604-605 | DECEMBER 31 |
| DN F, 2F | YA47088, '90 | DECEMBER 31 |
| ND 4, 6, 8, 9 | YA49727, '29, '31, '32 | DECEMBER 31 |
| ND F | YA47089 | DECEMBER 31 |
| RJ 5 | YA64220 | DECEMBER 31 |
| RJ 7 | YA64222 | DECEMBER 31 |
| RJ 9 | YA64224 | DECEMBER 31 |
| RJ 65 | YA65621 | DECEMBER 31 |
| RON 2-15 | YA10301-314 | DECEMBER 31 |
| RON 17-20 | YA10316-319 | DECEMBER 31 |
| RON 33 | YA10332 | DECEMBER 31 |
| RON 35-40 | YA10334-339 | DECEMBER 31 |

| CROWN GRANT CLAIMS | LOT NO. | ANNIVERSARY DATE |
|---|---|---|
| VICTORIA | 86 | JULY 1 |
| PORPHYRY LODE | 104 | JULY 1 |
| ESTER EDNA | 106 | JULY 1 |
| NEW BONANZA | 408 | JULY 1 |
| NIOBE FRACTION | 409 | JULY 1 |
| LONE STAR | 410 | JULY 1 |
| NEW BONANZA | 424 | JULY 1 |

## INDUCED POLARIZATION AND RESISTIVITY SURVEYS

### (1) Instrumentation

The transmitter used for the induced polarization and resistivity surveys was a Mark IV, 7.5 kw model, manufactured by Huntec ('70) Limited of Scarborough, Ontario. It is powered by a Mark IV 7.5 kw engine driven alternator. For difficult areas, the transmitter used was a Model IPT-1, manufactured by Phoenix Geophysics Ltd. of Markham, Ontario. It was powered by a 2.5 kw motor generator, Model MG-2, also manufactured by Phoenix.

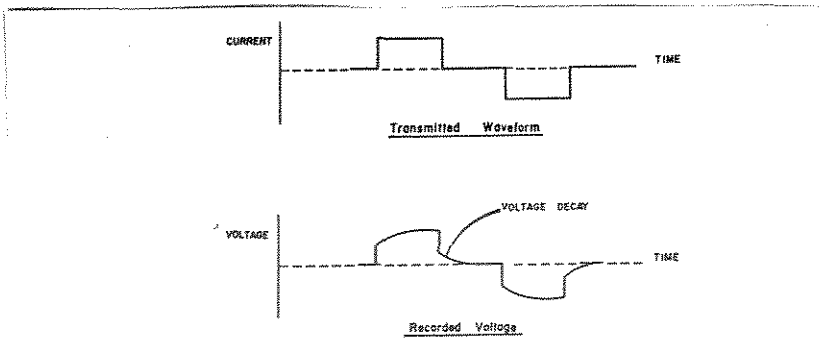
The receiver used was a model Mark IV, manufactured by Huntec ('70) Limited. This has software controlled functions, programmable through the front panel. It features automatic calibration, gain setting, SP cancellation, fault diagnosis, and filter tuning. The Mark IV system is capable of time domain, frequency domain, and complex resistivity measurements.

### (2) Theory

When a voltage is applied to the ground, electrical current flows, mainly in the electrolyte-filled capillaries within the rock. If the capillaries also contain certain mineral particles that transport current by electrons (most sulphides, some oxides and graphite), then the ionic charges build up at the particle-electrolyte interface, positive ones where the current enters the particle and negative ones where it leaves. This accumulation of charge creates a voltage that tends to oppose the current flow across the interface. When the current is switched off, the created voltage slowly decreases as the accumulated ions diffuse back into the electrolyte. This type of induced polarization phenomena is known as electrode polarization.

A similar effect occurs if clay particles are present in the conducting medium. Charged clay particles attract oppositely-charged ions from the surrounding electrolyte; when the current stops, the ions slowly diffuse back to their equilibrium state. This process is known as membrane polarization and gives rise to chargeable bodies.
Most IP surveys are carried out by taking measurements in the "time-domain" or the "frequency-domain".

Time-domain measurements involve sampling the waveform at intervals after the current is switched off, to derive a dimensionless parameter, the chargeability, "M", which is a measure of the strength of the induced polarization effect. Measurements in the frequency-domain are based upon the fact that the resistance produced at the electrolyte-charged particle interface decreases with the increasing frequency. The difference between the apparent resistivity readings at high and low frequency is expressed as the percentage frequency effect, "PFE".




The quantity apparent resistivity, $\rho_a$, computed from electrical survey results in only the true earth resistivity in a homogenous sub-surface. When vertical (and lateral) variations in electrical properties occur, as they always will in the real world, the apparent resistivity will be influenced by the various layers, depending on their depth relative to the electrode spacing. A single reading cannot therefore be attributed to a particular depth.

The ability of the ground to transmit electricity is, in the absence of metallic-type conductors, almost completely depending on the volume, nature and content of the pore space. Empirical relationships can be derived linking the formation resistivity to the pore water resistivity, as a function of porosity. Such a formula is Archie's Law, which states (assuming complete saturation) in clean formations:

$$\frac{R_o}{R_w} = 0^{-2}$$

Where: $R_o$ is formation resistivity, $R_w$ is pore water resistivity, O is porosity

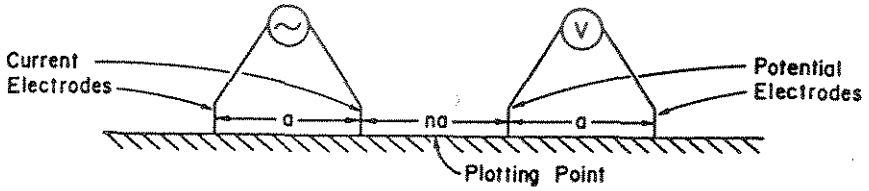
## (3) Survey Procedure

All lines were cut out and the stations marked thereon. The line cutting was at first carried out by Geotronics Surveys, and later by a separate contractor hired by Arbor.

The IP and resistivity measurements were taken in the time-domain mode using an 8-second square wave charge cycle (2-seconds positive charge, 2-seconds off, 2-seconds negative charge, 2-seconds off). The delay time used after the charge shuts off was 200 milliseconds and the integration time used was 1,500 milli-seconds divided into 10 windows.

The array chosen was the dipole-dipole shown as follows:

DIPOLE-DIPOLE ARRAY




The dipole lengths were chosen to be 30 metres for all survey lines, except for two detail lines on Gay Gulch. For one line, the dipole length was 5 m, and for the other, 7.5 m. The lines were usually read to eight separations, otherwise they were read to ten, especially for purposes of orientation. Eight separations give a theoretical depth penetration of 140 m, and 10 separations, 160 m.

The dipole-dipole array was chosen because of its symmetry resulting in a greater reliability in interpretation. Furthermore, narrow, vein-like targets can be missed by non-symmetrical arrays such as the pole-dipole array.

Stainless steel stakes were used for current electrodes and metallic copper in a copper sulphate solution, in non-polarizing, unglazed, porcelain pots were used for the potential electrodes. When the weather became colder in the fall, stainless steel stakes were also used for the potential electrodes.

Readings were taken over 33 different lines as shown on the survey plan (maps #3 and #4) and 33 different pseudosections were plotted, to give a total survey length of 35.9 km. The following table shows the lines done, the number of separations for each line, and the length of each line.

## TABLE III - IP AND RESISTIVITY SURVEY LINES

| LINE NO. | STATIONS | # OF SEPARATIONS | LENGTH |
|---|---|---|---|
| (1) Lone Star Grid | | | |
| Line 0+50N | 630W to 240E | 10 | 0.87 km |
| Line 0+00 | 750W to 540E | 10 | 1.29 |
| Line 1+10S | 450W to 210E | 10 | 0.66 |
| | | | 2.82 |
| (2) 7-Pup Grid | | | |
| Line 0+00 (crossline) | 000E to 750E | 10 | 0.75 |
| Line 3+80E | 440S to 400N | 8 | 0.84 |
| Line 4+80E | 240S to 390N | 10 | 0.63 |
| Line 5+80E | 230S to 400N | 8 | 0.63 |
| | | | 2.85 |
| (3) McKay-O'Neil Grid | | | |
| Line 1+00S (crossline) | 460W to 350E | 10 | 0.81 |
| Line 1+00W | 660N to 300S | 8 | 0.96 |
| Line 0+00 | 660N to 270S | 8 | 0.93 |
| Line 1+00E | 460N to 260S | 10 | 0.72 |
| Line 2+00E | 660N to 360S | 8 | 1.02 |
| | | | 4.44 |
| (4) Irish Gulch Grid | | | |
| Line 12+30S | 300W to 390E | 8 | 0.69 |
| Line 13+30S | 300W to 390E | 8 | 0.69 |
| Line 14+30S | 300W to 390E | 8 | 0.69 |
| | | | 2.07 |

| LINE NO. | STATIONS | # OF SEPARATIONS | LENGTH |
|---|---|---|---|
| (5) French Gulch Grid | | | |
| Line 3+60E (crossline) | 000 to 900S | 8 | 0.90 km |
| Line 2+55S | 000 to 900E | 8 | 0.90 |
| Line 4+25S | 060W to 900E | 8 | 0.96 |
| Line 5+40S | 090W to 1110E | 8 | 1.20 |
| Line 6+80S | 000 to 1200E | 8 | 1.20 |
| Line 7+55S | 000 to 1020E | 8 | 1.02 |
| Line 8+55S | 000 to 1110E | 8 | 1.11 |
| | | | 7.29 |
| (6) Oro Grande Grid | | | |
| Line 49+70S | 300W to 390E | 8 | 0.69 |
| Line 52+50S | 300W to 1980E | 8 | 2.28 |
| Line 54+50S | 300W to 390E | 8 | 0.69 |
| Line 56+40S | 300W to 390E | 8 | 0.69 |
| | | | 4.35 |
| (7) Gay Gulch Grid | | | |
| Line 2+20N | 150W to 420E | 7 | 0.57 |
| Line 1+20N | 120W to 510E | 8 | 0.63 |
| Line 0+00 | 000E to 3210E | 7,8 | 3.21 |
| Line 1+00S | 000E to 510E | 8 | 0.51 |
| Line 0+04N (detail-n=5 m) | 1225E to 1380E | 10 | 0.155 |
| Line 0+10N (detail-n=7.5 m) | 1450E to 1675E | 10 | 0.225 |
| | | | 5.30 |
| (8) Eldorado Creek | | | |
| Line ELDO | 000 to 6780S | 6 | 6.78 |
| | | | 35.90 |

## (4) COMPILATION OF DATA

All the data were reduced by a computer software program developed by Geosoft Inc. of Toronto, Ontario. Parts of this program have been modified by Geotronics for its own applications. The computerized data reduction included the resistivity calculations, pseudosection plotting, survey plan plotting and contouring.

The chargeability (IP) values are read directly from the instrument and no data processing is therefore required prior to plotting. The resistivity values are derived from current and voltage readings taken in the field. These values are combined with the geometrical factor appropriate for the dipole-dipole array, to compute the apparent resistivity.

All the data has been plotted in pseudosection form below the actual topographic profile at a scale of 1: 2,500 (1: 500 for the two detail lines). The map numbers are shown in the Table of Contents. Each value is plotted at a point formed from the intersection of a line drawn from the mid-point of each of the two dipoles. The result of this method of plotting is the farther the dipoles are separated, the deeper is the reading. The resistivity pseudosection is plotted on the upper part of the map for each of the lines, and the chargeability pseudosection is plotted on the lower part. For each of the seven grids (Oro Grande Grid and Gay Gulch Grid combined as one plan) six survey plans were drawn at a scale of 1: 2,500. These consisted of apparent chargeability at three different separations (n=2, 4, and 6) and apparent resistivity at the same separations. These plan maps were produced by taking the measured values from their exact subsurface locations, and vertically projecting them to the ground surface. The purpose was to determine anomalous trends and thus mineralogical and geological trends, especially quartz veins which may contain mineralization. All pseudosections and plans were contoured at an interval of 3 milliseconds for the chargeability results, and at an interval of logarithmic to the base 10 for the resistivity results.

## MAGNETIC SURVEY

### (1) Instrumentation

The magnetic survey was carried out with a model MP-2 proton precession magnetometer, manufactured by Scintrex Limited of Concord, Ontario. This instrument reads out directly in gammas to an accuracy of $\pm$ 1 gamma, over a range of 20,000 - 100,000 gammas. The operating temperature range is -35$^0$ to +50$^0$ C, and its gradient tolerance is up to 5,000 gammas per meter.

### (2) Theory

Only two commonly occurring minerals are strongly magnetic, magnetite and pyrrhotite. Magnetic surveys are therefore used to detect the presence of these minerals in varying concentrations. Therefore, if magnetite or pyrrhotite occurs with economic mineralization, magnetic surveys are used to locate this type of mineralization. Magnetic surveys are also useful as a reconnaissance tool for mapping geologic lithology and structure since different rock types have different background amounts of magnetite and/or pyrrhotite.

### (3) Survey Procedure

The readings were taken along lines and on grids as shown in Table IV. The readings of the earth's total magnetic field were taken at the 30 m stations along the IP/resistivity lines. The diurnal variation was monitored in the field by the closed loop method to enable the variation to be removed from the raw data prior to plotting. A total of km were surveyed.

### (4) Compilation of Data

The data was plotted in profile form by the Geosoft software computer program above the IP and resistivity pseudosections.

## TABLE IV
## MAGNETIC, VLF-EM, AND HLEM SURVEY LINES

### MAGNETIC SURVEY

| GRID | LINE NO. | STATIONS | LENGTH (km) |
|---|---|---|---|
| Lonestar | 0+00 | | |
| 7-Pup | 0+00 | 000 - 710E | 0.71 |
| 7-Pup | 4+80E | 240S - 360N | 0.63 |
| McKay O'Neil | 1+00E | 350S - 425N | 0.775 |
| McKay O'Neil | 1+00S | | |
| French | 2+55S | 000E to 900E | 0.9 |
| French | 4+25S | 000E to 900E | 0.9 |
| French | 5+40S | 000E to 900E | 0.9 |
| French | 6+80S | 000E to 630 | 0.63 |
| French | 7+35S | 000 to 1020 | 1.02 |
| French | 8+55S | 000E to 1080E | 1.08 |
| Gay | | | |

### MAXMIN HLEM SURVEY

| GRID | LINE NO. | STATIONS | LENGTH (km) |
|---|---|---|---|
| Lonestar | 0+00 | 470W - 460E | 0.93 |
| 7-Pup | 0+00 | | |
| 7-Pup | 4+80E | | |
| McKay O'Neil | 1+00E | 200S - 400N | 0.60 |
| McKay O'Neil | 1+00S | 050E to 325E | 0.75 |

### VLF-EM SURVEY

| GRID | LINE NO. | STATIONS | LENGTH (km) |
|---|---|---|---|
| Lonestar | 0+00 | 510W - 510E | 1.20 |
| 7-Pup | 0+00 | | |
| 7-Pup | 4+80E | | |
| McKay-O'Neil | 1+00E | | |
| McKay-O'Neil | 1+00S | 400W - 350E | 0.75 |

## MAXMIN ELECTROMAGNETIC SURVEY

### (1) Instrumentation

A MaxMin II portable 2-man electromagnetometer, manufactured by Apex Parametrics Ltd. of Toronto, Ontario was used for this survey. This instrument is designed for measuring the electromagnetic field which results from a conductive body; that is a structure which conducts electricity better than barren rock-types do. This particular instrument has the advantage of flexibility over most other EM units in that it can operate with different modes and frequencies as well as having a variety of distances between transmitter and receiver. Five frequencies can be used (222, 444, 888, 1777, and 3555 Hertz) and six different coil separations (25, 50, 100, 150, 200, and 250 meters).

### (2) Theory

In all electromagnetic prospecting, a transmitter induces an alternating magnetic field (called the primary field) by having a strong alternating current move through a coil of wire. This primary field travels through any medium and if a conductive mass such as a sulphide body is present, the primary field induces a secondary alternating current in the conductor and this current in turn induces a secondary magnetic field. The receiver picks up the primary field and, if a conductor is present, the secondary field. The fields are expressed as a vector which has two components, the in-phase (or real) component and the out-of-phase (or quadrature) component. The results are expressed as the percent deviation of each component from what the values would be if no secondary field (and therefore no conductor) was present.

Since the fields lose strength proportionally with the distance they travel, a distant conductor has less of an effect than a close conductor. Also, the lower the frequency of the primary field, the further the field can travel and therefore the greater the depth penetration.

The MaxMin II EM unit can vary the strength of the primary field and so use different separations between transmitter and receiver coils, change the frequency of the primary field for varying depth penetrations, and use three different ways of

orienting the coils to duplicate the survey in three styles so that more accuracy is possible in the interpretation of the data.

The use of the MaxMin II electromagnetometer allows for better discrimination between low conductive structures such as clay beds and barren shear zones and more conductive bodies like massive sulphide mineralization. It also gives several different types of data over a given area so that statistical analysis can result in less error in the interpretation.

**(3) Survey Procedure**

The separation between the transmitter and receiver along the slope was measured to an accuracy of 0.3%. The separation between transmitter and receiver was 100 m with the reading interval being 30 m on the Lone Star and 7-Pup grids, and 25 m on the McKay-O'Neil grid. The lines read are shown in Table IV.

The receiver operator read and recorded the in-phase and out-of-phase responses. Calibration and phase mixing tests were also conducted three times a day and the appropriate corrections made when necessary. All five frequencies were read by the receiver operator, which were 222, 444, 888, 1777, and 3555 Hz. A total of km of electromagnetic survey were carried out.

**(4) Compilation of Data**

The plotting point is taken at the mid-point between the transmitter and the receiver. All in-phase and out-of-phase data for all five frequencies were profiled for each line on Maps #, respectively, at a horizontal scale of 1: 2,500 and a vertical scale of 1 cm = 5%.

Quantitative interpretation was carried out wherever anomalous readings (and thus, conductors) were encountered. The quantitative interpretation included:

(1) the location of the top of the conductor,
(2) the depth to the top of the conductor,
(3) the dip of the conductor, and

(4) the conductivity-thickness of the conductor.

Conductivity-thickness is always described as a product since a poorly conductive, thick conductor can give the same EM profile as a highly conductive, thin conductor.

The EM-mapped conductors have been divided into three classes, definite, probable, and possible conductors. Often, very little quantitative information can be interpreted from the probable and possible conductors, usually because of noise problems and/or a low response parameter.

The trace of the top of each conductor has been drawn on the base map (Map #4), at a scale of 1: 5,000. The definite conductor is drawn in solid, the probable, dashed and the possible dotted.

## VLF-EM SURVEY

### (1) Instrumentation

A VLF-EM receiver, Model EM-16, manufactured by Geonics Limited of Mississauga, Ontario was used for the VLF-EM survey. This instrument is designed to measure the electromagnetic component of the very low frequency field (VLF-EM), which for these surveys is transmitted at 24.8 KHz from Seattle, Washington. An exception was line 1+00S on the McKay-O'Neil grid where the Lualualei, Hawaii transmitter

was used transmitting at a frequency of 23.4 KHz.

**(2) Theory**

In all electromagnetic prospecting, a transmitter produces an alternating magnetic field (primary) by a strong alternating current usually through a coil of wire. If a conductive mass such as a sulphide body is within this magnetic field, a secondary alternating current is induced within it which in turn induces a secondary magnetic field that distorts the primary magnetic field. It is this distortion that the EM receiver measures.

The VLF-EM uses a frequency range from 16 to 24 KHz, whereas most EM instruments use frequencies ranging from a few hundred to a few thousand Hz. Because of its relatively high frequency, the VLF-EM can pick up bodies of a much lower conductivity and therefore is more susceptible to clay beds, electrolyte-filling fault or shear zones and porous horizons, graphite, carbonaceous sediments, lithological contacts as well as sulphide bodies of too low a conductivity for other EM methods to pick up. Consequently the VLF-EM has additional uses in mapping structure and in picking up sulphide bodies of too low a conductivity for conventional EM methods and too small for induced polarization (in places it can be used instead of IP). However, its susceptibility to lower conductivity results in a number of anomalies, many of them difficult to explain and, thus, VLF-EM preferable should not be interpreted without a good geological knowledge of the property and/or other geophysical and geochemical surveys.

**(3) Survey Procedure**

VLF-EM readings were taken at each station every 30 m facing towards the Seattle transmitter or the Lualualei transmitter. A total of line km was surveyed.

**(4) Compilation of Data**

The VLF-EM field results were reduced by applying the Fraser-filter and subsequently profiled above the respective IP and resistivity pseudosections. The filtered data were plotted mid-way between actual reading stations.

The Fraser-filter is essentially a 4-point difference operator, which transforms zero crossings into peaks, and a low pass smoothing operator which reduces the inherent high frequency noise in the data. Therefore, the noisy, non-contourable data are transformed into less noisy, contourable data. Another advantage of this filter is that a conductor that does not show up as a crossover on the unfiltered data quite often shows up on the filtered data.

## DISCUSSION OF RESULTS

(1) Lone Star Grid

The area on and around the Lone Star showing had previously been surveyed by IP and resistivity methods (Walcott) on lines running 018°E. This work revealed widespread IP anomalies which were reflecting sulphide mineralization. Gold mineralization on the Lone Star showing occurs with sulphides. The theoretical depth penetration was about 50 m. The purpose, therefore, of the first line (0+00) on this grid was to measure to a greater depth. Since the new measurements were done with a 30 m dipole length to 10 separations, the theoretical depth of exploration was about 175 m. (For comparison sake, the previous work measured to about the third level of the present survey.) Also the new lines were run in a somewhat orthogonal direction at 080°E.

Line 0+00 revealed four IP anomalous features at depths that were not seen in the previous work. The most interesting of these was the strong anomaly below 1+20W beginning at the sixth level. Because of its strength and shape, it was postulated that it could be reflecting a more concentrated mineralized "root source" of the mineralization closer to the surface which occurred over a wider area. Therefore, an additional line was put in at 1+10S, and, later, another at 0+50N in order to determine the strike extent of this feature.

If the anomaly extends to the two additional lines, it does not occur as a feature this strong or definitive. On line 0+50N, the extension may occur below 0+75W with the strongest part at level three. On line 1+10S, a much weaker expression of the anomaly appears to occur below 1+05W starting at level seven.

Rotary hole 90R-18 was drilled to a depth of 120.4 m (approximately 6 1/2 levels) in order to try to locate as well as to determine the source of the anomaly. Though the upper part of the hole encountered significant gold mineralization, the lower part of the hole did not encounter the cause of the anomaly. The possible reasons may be the hole was not deep enough, or the dip of the causative source is either vertical or westerly (the hole was drilled to encounter an easterly dip).

Twelve rotary drill holes were put down in this area to about a 45 m depth (about 2 IP levels) except for the one hole mentioned above. Tomlinson and the writer correlated the intersections of gold mineralization with the IP and resistivity pseudosections. Though the holes could not always be correlated directly with the

pseudosections, the gold intersections in general correlated with IP highs and the edges of resistivity highs. The IP highs are, of course, caused by sulphides, and the resistivity highs, probably be silicification.

On line 0+00, the anomalies close the surface and running from about 3+60W to 0+60E were revealed by the previous work. The extension of this anomalous zone can also be seen on the other two lines. The trend of these anomalies appear to be northwesterly as can be seen on the n=2 survey plan of the chargeability (IP) results. As noted earlier these have been correlated with sulphide mineralization carrying gold values.

An IP anomaly (second of the four mentioned above) considered to be of strong exploration interest occurs at 3+60E and goes to depth. This anomaly can only be seen as a weak response in the previous survey. The probable reason is that line 0+00 crosses the causative source in a more optimum direction than the previous work did. This anomaly occurs along the edge of a resistivity high suggesting it to be a prime exploration target.

The third anomaly is a flat-lying feature centring at 4+50W at about a theoretical depth of 130 m (8th level). The length (or width) of the anomaly is 250 m with it possibly being open in a westerly direction. The resistivity correlation is not that clear, but generally is a resistivity high of small amplitude. The northern extension of this anomaly may occur at depths below 4+00W on line 0+50N, though on this line, the resistivity signature is different. The causative source is probably sulphides.

The fourth anomaly is a localized, but strong, feature occurring below 0+00 on line 0+00. It correlates with a strong resistivity low. Because of its small size, it is considered to be of limited exploration interest.

The strongest, most consistent feature on this pseudosection is a resistivity low centred at about 1+20E on all three lines. In discussions with Tomlinson and Troup, the causative source is probably a diabase dyke with a near-vertical dip. This feature can also be seen on the previous resistivity survey which shows it to be striking about 345°E (N15°W).

The HLEM survey shows a weak response over this feature indicating the causative source is centred at about 1+30W on line 0+00.

(2) 7-Pup Grid

This grid was placed in an attempt to locate the source of the placer gold within the 7-Pup stream. Because of the proximity to the Lone Star showing, it was thought that IP chargeability highs would locate gold mineralization by responding to zones of pyritization.

IP highs were located and subsequently drilled by three rotary drill holes. There was no return in gold values. It is quite possible the IP highs were not intersected. Or, the gold mineralization has a different geophysical signature (ie. different targets should be looked at).

(3) McKay-O'Neil Grid

This grid was placed at the head of a rich placer pay zone with Upper Bonanza Creek in such a manner that the western-most one or two lines were upstream, or past, the rich pay zone. The purpose was therefore to locate the source of the placer gold.

What is immediately apparent on the northwesterly-trending pseudosection is a double resistivity low along and close to Upper Bonanza Creek. This probably reflects two parallel faults. The interesting feature is that between lines 0+00 and 1+00 occurs a fault and/or diabase dyke that offsets the two parallel faults. It is strongly suggestive therefore that this offsetting fault is a significant event that relates to the emplacement of the source of the placer gold. Possibly it has broken the rock up enough in order to allow the emplacement of gold-rich fluids.

The Upper Bonanza parallel faults appear to dip southerly suggesting therefore the possible gold mineralization occurs along or below the southern bank. This bank is permafrosted and therefore would inhibit soil sample anomalies of gold mineralization. It may also inhibit IP anomalies as well as help mask any outcropping of gold mineralization. Scattered IP anomalies do exist in the area, however.

(4) Irish Gulch Grid

The Irish Gulch grid like the other three grids along Eldorado Creek, was placed at the head of very rich placer pay zones. Upstream of each of the four grids, the placer pay gold values trailed off. As on the McKay-O'Neil grid, one or two lines were placed where the values trailed off.

A resistivity low can be seen close to the creek on each of the three pseudosections. This low is likely reflecting a major fault along Eldorado Creek, possibly with associated alteration (some has been seen along Eldorado and Bonanza Creeks according to Tomlinson and Troup). The fault appears to be offset between lines 12+30S and 13+30S. This is verified by a lineal resistivity low that is located at 13+10S on the Eldorado Creek line (Eldo-444) and that probably reflects a fault. According to Troup, this right lateral cross fault occurs close to the head of the historic claim 5 which was the last claim containing very rich placer pay for the Irish Gulch area. The conclusion is therefore that the cross fault is related to the source of placer gold for the Irish Gulch area.

The IP pseudosections show scattered low level anomalies some of which may be related to gold mineralization.

(5) French Gulch Grid

In addition to the Eldo 444 cross line, this grid is composed of six survey lines plus one cross line (3+60E). This area is of particular interest because of the richness of the placer gravels downstream from French Gulch.

These pseudosections also show the Eldorado fault, but as two parallel faults, or one wide fault. THis suggests there is a wide area of fracturing or alteration associated with the faulting. It would appear there are at least two left lateral cross faults. The northern one is probably associated with possible gold mineralization since it occurs in the approximate area of the French Gulch rich placer pay.

The IP and resistivity pseudosections also outlined graphitic zones. These are indicated directly by strong IP highs correlating directly with strong resistivity lows. The graphitic zones also appear to verify the right lateral cross faulting.

There are also small IP highs that may be due to sulphide mineralization rather than graphite, largely because of the correlation with moderate-amplitude resistivity highs.

(6) Oro Grande Grid

As with the French Gulch grid, the Eldorado Creek fault as well as a graphitic zone shows an offset by left lateral faulting, and is in the other grids, this cross fault occurs near the head of the rich placer pay.

Additional faulting can also be seen further east along the two km long line, 52+50W.

(7) Gay Gulch Grid

On this grid, a major offset (left lateral fault) occurs between lines 2+20N and 1+20N that may be related to the source of the placer gold for the Gay Gulch area.

Also, on the 3.2 km long line, 0+00, the resistivity survey has picked up faulting and/or diabase dyking.

Two IP highs have also been picked up that may be caused by sulphide mineralization, these are located at 21+60E and 25+20E, respectively.

The two detail IP/resistivity lines were run to pick up quartz veins. Line 0+10N was run across a quartz outcrop containing visible gold that appeared to be a vein. There was no response to the "vein". It subsequently was "scissor" drilled with no quartz vein intersection. Therefore the quartz outcrop was probably due solely to solifluction.

(8) Eldorado Creek Line

This line runs along the Eldorado fault which shows up as a resistivity low on the cross lines on the various grids. Therefore many of the contours are horizontal. However, the line has been useful in picking up faults and graphitic zones, thereby aiding in the interpretation of each of the grids.

Some IP highs have been located that may be due to sulphides which may be associated with gold mienralization, but none that stand out as well as on the Lone Star grid.

Respectfully submitted,
GEOTRONICS SURVEYS LTD.

David G. Mark,
Geophysicist

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## GEOPHYSICIST'S CERTIFICATE

I, David G. Mark, of the City of Vancouver, in the Province of British Columbia, do hereby certify:

That I am a consulting Geophysicist of Geotronics Surveys Ltd., with offices located at #530 - 800 West Pender Street, Vancouver, British Columbia.

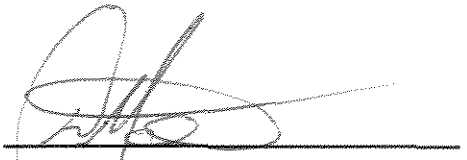
I further certify:

1. I am a graduate of the University of British Columbia (1968) and hold a B.Sc. degree in Geophysics.

2. I have been practising my profession for the past 23 years and have been active in the mining industry for the past 26 years.

3. This report is compiled from data obtained from IP, resistivity, magnetic VLF-EM, and horizontal loop EM surveys carried out by a crew of Geotronics Surveys Ltd., under the supervision of myself and under the field supervision of Alain Charest, geophysical technician, from July 25 to November 6, 1990.

4. I hold no interest in Arbor Resources Inc. nor in the property discussed in this report, nor will I receive any interest as a result of writing this report.



March 28, 1991

David G. Mark,
Geophysicist

## AFFIDAVIT OF EXPENSES

IP, resistivity, magnetic, VLF-EM, and horizontal loop EM surveys were carried out over different portions of the Lone Star Property from July 25 to November 6, 1990, located along Upper Bonanza and Eldorado Creeks in the Dawson City area, Dawson Mining Division, Yukon Territory to the value of the following:

### FIELD

| | |
|---|---|
| Mob-demob | |
| Airfare, Vancouver to Dawson City, rtn. 6 men at $1,195/man | $ 7,188 |
| Freight, air and land | 2,908 |
| Room and board | 1,170 |
| Wages, at cost | 2,916 |
| Sub-Total | 14,182 |
| Lone Star Property's Pro Rata share at 75% | $ 10,637 |
| 4-man crew, 50 days at $1,100/day | $ 55,000 |
| 3-man crew, 15.5 days at $950/day | 14,725 |
| Truck rental and gas, Suburban 4X4, 71 days at $100/day | 7,100 |
| Room and board, 268 man-days at $65/man-day | 17,420 |
| Linecutting, all-in cost, 35.9 km at $400/km | 14,360 |
| Sub-Total | $119,242 |

### OFFICE

| | |
|---|---|
| Senior geophysicist, 200 hours @ $45/hour | $ 9,000 |
| Geological consultation (Art Troup & Scott Tomlinson) | 6,000 |
| Geophysical technician with computer, 454 hours @ $30/hour | 13,620 |
| Computer-aided drafting & plotting 60 hours at $30/hour | 1,800 |
| Report generation and printing | 1,000 |
| Sub-Total | $ 31,420 |
| **Grand Total** | **$150,622** |

Respectfully submitted,
GEOTRONICS SURVEYS LTD.

David G. Mark, Geophysicist
Manager

Eight men were involved in the field work as follows:

David Mark, senior geophysicist, Vancouver, B.C.

Alain Charest, geophysical technician/crew chief, Vancouver, B.C.

Marc Habel, geophysical technician/crew chief, Vancouver, B.C.

Sylvain Vaillencourt, geophysical technician, Jonquiere, Quebec

Maurice Lavoie, geophysical technician, Vancouver, B.C.

Al Harrison, geophysical technician, Vancouver, B.C.

Derwin Miller, helper, Dawson City, Yukon

Dan Robertson, helper, Vancouver, B.C.

An attempt was made to hire locally but, other than one person, no one else was available.

Some truck rental (Norcan Leasing), all room and board, and supplies were purchased locally.

# ARBOR RESOURCES INC.

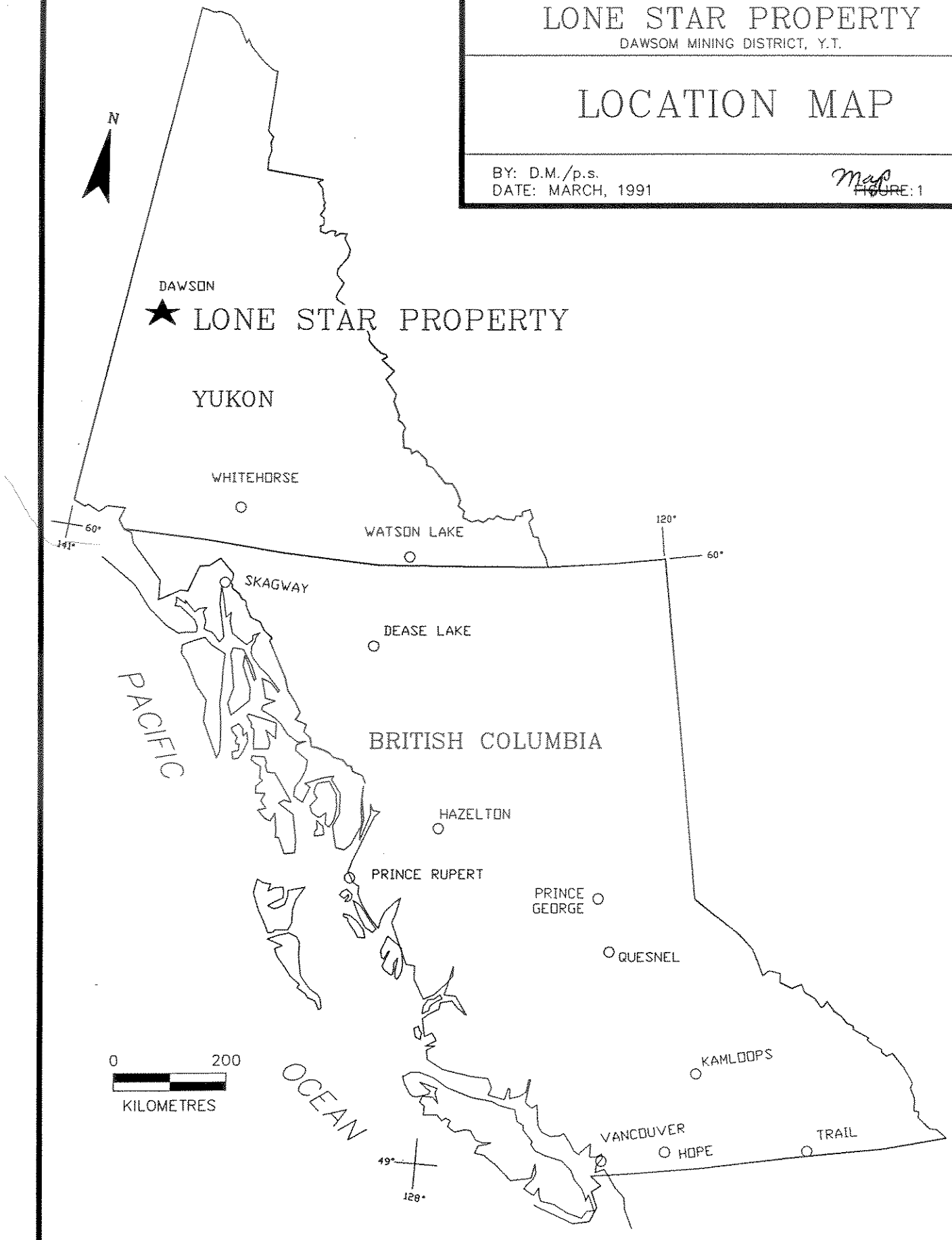
## LONE STAR PROPERTY

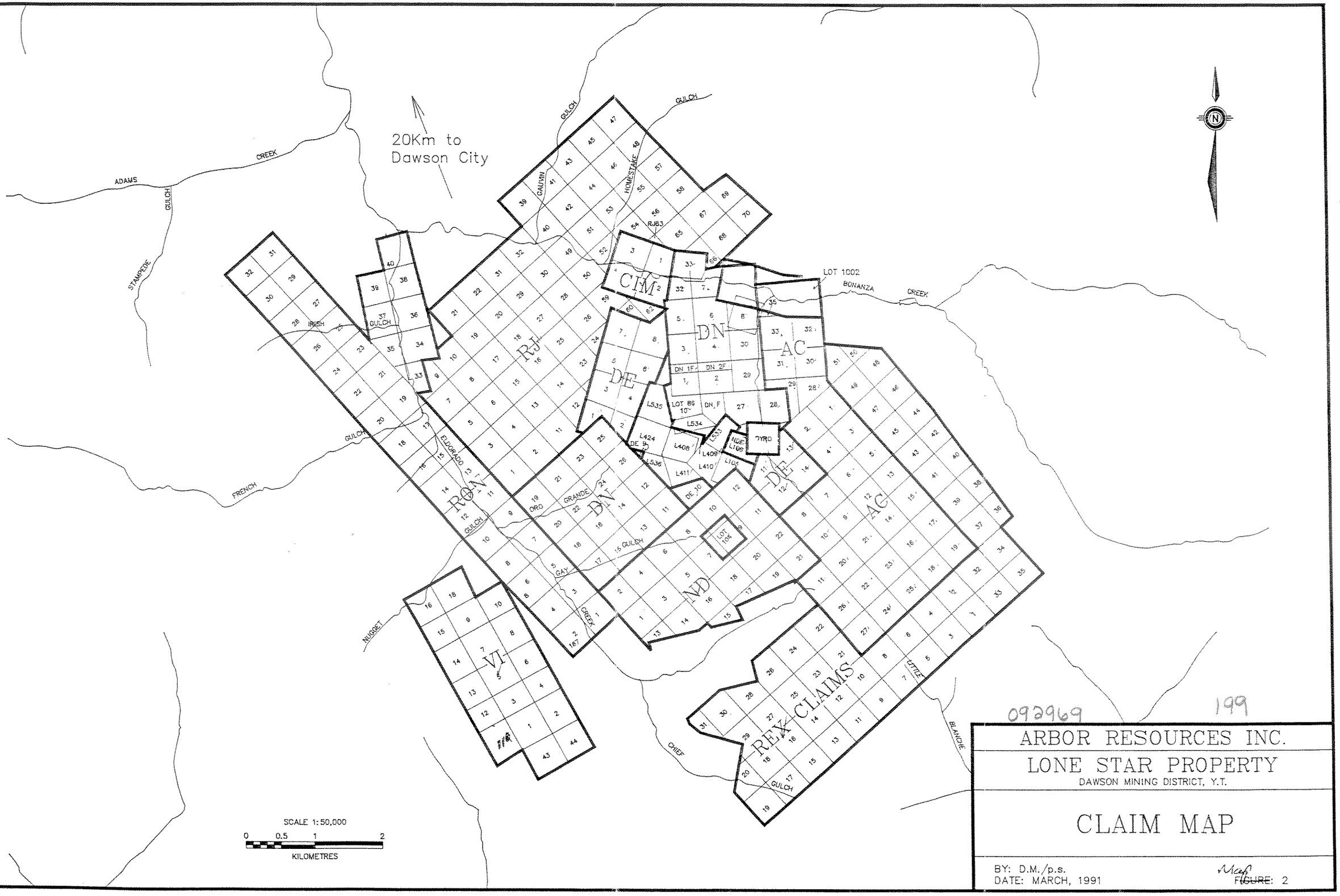
DAWSOM MINING DISTRICT, Y.T.

## LOCATION MAP

BY: D.M./p.s.
DATE: MARCH, 1991

Map ~~FIGURE~~: 1



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# ARBOR RESOURCES INC.

## LONE STAR PROPERTY

DAWSON MINING DISTRICT, Y.T.

## CLAIM MAP

BY: D.M./p.s.
DATE: MARCH, 1991

~~FIGURE~~: 2

TO DAWSON CITY

L ELDO-444

BONANZA

GAUVIN GULCH

HOMESTAKE GULCH

McKAY GULCH

McKAY O'NEIL GRID

CIM

L1+00S

LOT 1002

CREEK

IRISH GULCH GRID

L12+30S

L13+30S

L14+30S

GULCH

IRISH

RON

RJ

L1+00W

L1+00E

L2+00E

L0+00

DE

O'NEIL

GULCH

DN

L3+80E

L4+80E

L5+80E

AC

7 PUP

FRENCH GULCH GRID

L4+80E

L2+55S

L4+25S

L5+40S

L6+80S

L7+55S

L8+55S

L0+00

7-PUP GRID

VICTORIA

ELDORADO

GULCH

FRENCH

LONE STAR GRID

L0+50N

L0+00

L1+10S

D

GULCH

GRANDE

DN

AC

ORO GRANDE GRID

ORO

L49+70S

L52+60S

L54+50S

L56+40S

NUGGET GULCH

GULCH

LOT 104

ND

L2+20N

L1+20N

L0+00

L1+00S

GAY

CREEK

GAY GULCH GRID

LEGEND

- ROAD
- TEMPORARY ROAD
- RIVER
- I.P. LINE
- TRENCH
- BUILDING

SCALE 1:25,000

0 250 500 750 1000 1250

METRES

ARBOR RESOURCES INC.

LONE STAR PROPERTY

DAWSON MINING DISTRICT, Y.T.

092969

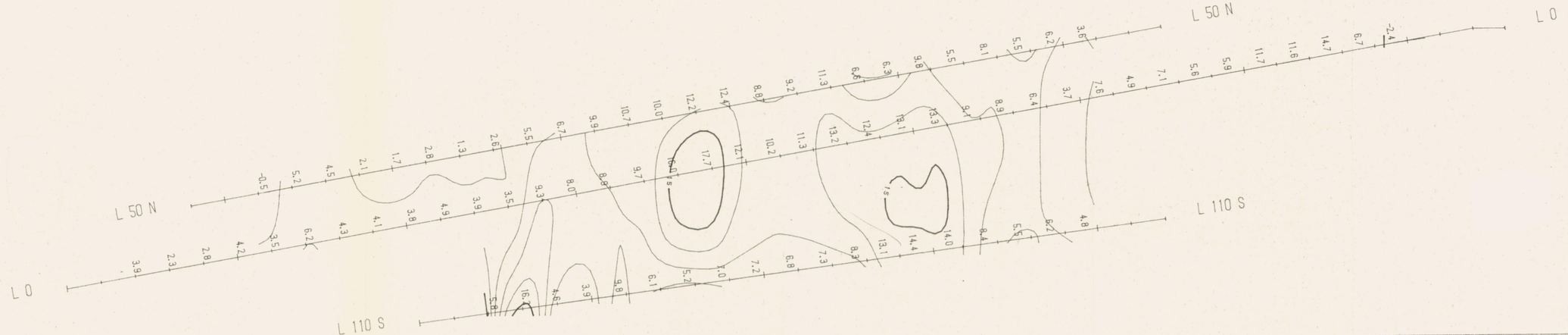
# I.P. GRID LOCATION MAP

200

BY: D.M./p.s.

DATE: MARCH, 1991

MAP #3




Scale 1:2500

25 0 25 50 75 100 125

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

GEOTRONICS SURVEYS LTD.

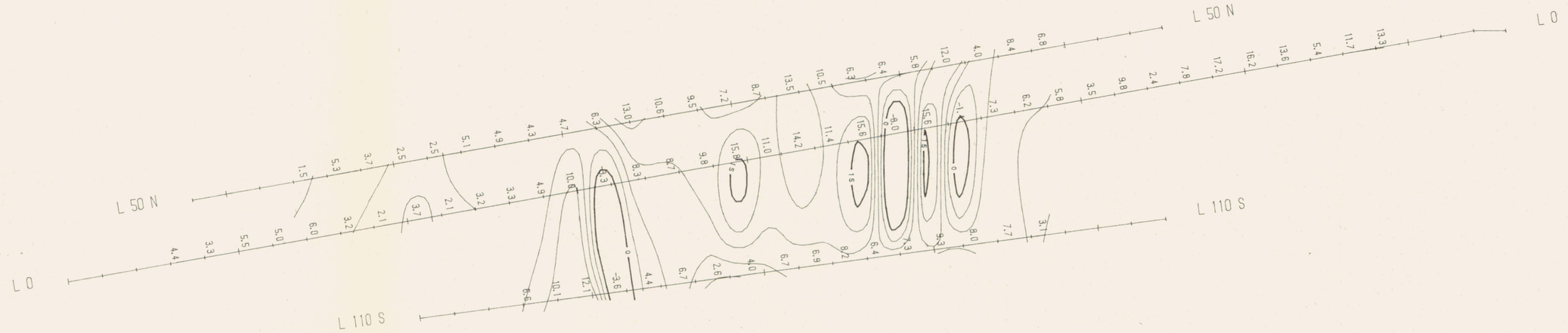
# ARBOR RESOURCES LTD
# LONESTAR GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
## Data and Contours
## For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-O-14 | 1:2500 | Nov/90 | 5 |

092969

201




Scale 1:2500

25 0 25 50 75 100 125

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

GEOTRONICS SURVEYS LTD.

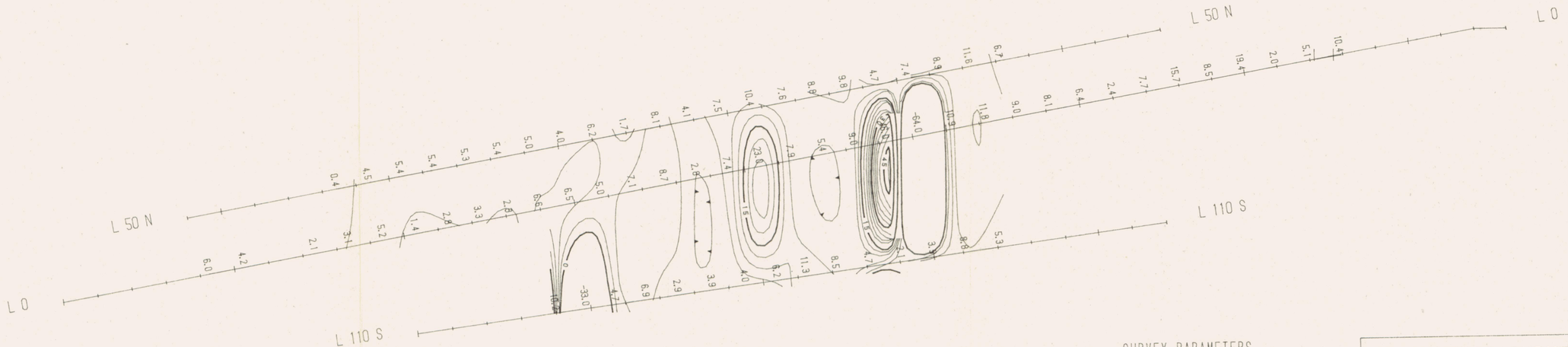
# ARBOR RESOURCES LTD
# LONESTAR GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
## Data and Contours
## For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-O-14 | 1:2500 | Nov/90 | 6 |

092969

202




Scale 1:2500

25 0 25 50 75 100 125

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

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GEOTRONICS SURVEYS LTD.

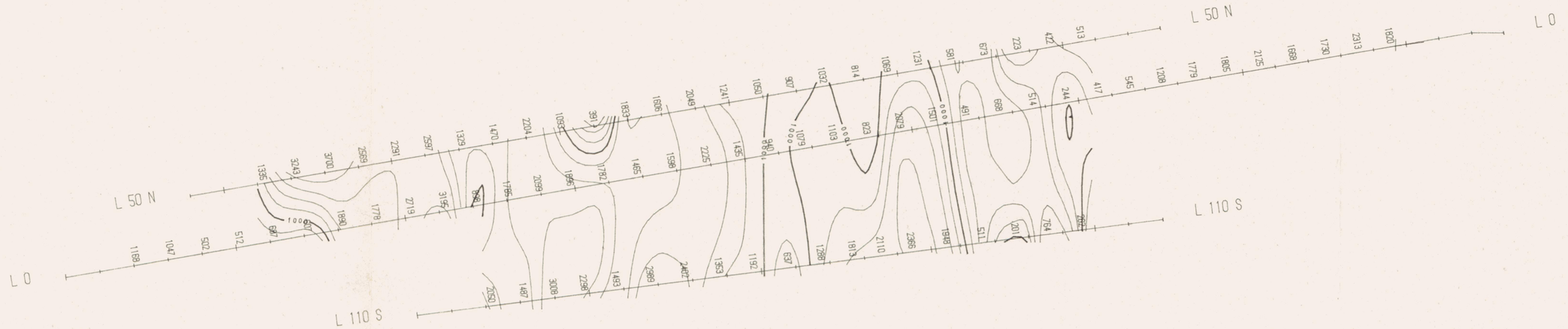
ARBOR RESOURCES LTD
LONESTAR GRID
DAWSON CITY AREA

Apparent CHARGEABILITY Survey
Data and Contours
For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-O-14 | 1:2500 | Nov/90 | 7 |

092969

203




Scale 1:2500

25 0 25 50 75 100 125

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

GEOTRONICS SURVEYS LTD.

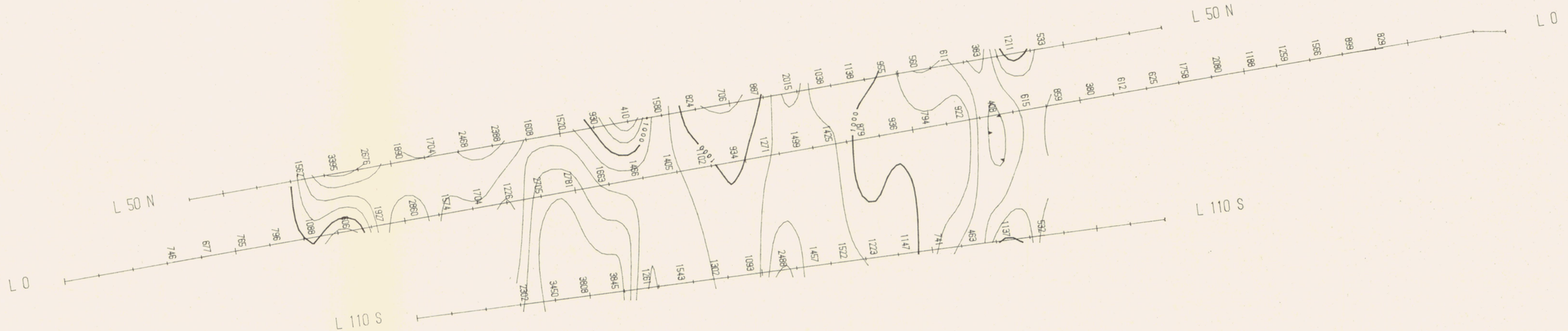
# ARBOR RESOURCES LTD
# LONESTAR GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-O-14 | 1:2500 | Nov/90 | 8 |

092969

204




Scale 1:2500

25 0 25 50 75 100 125

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

GEOTRONICS SURVEYS LTD.

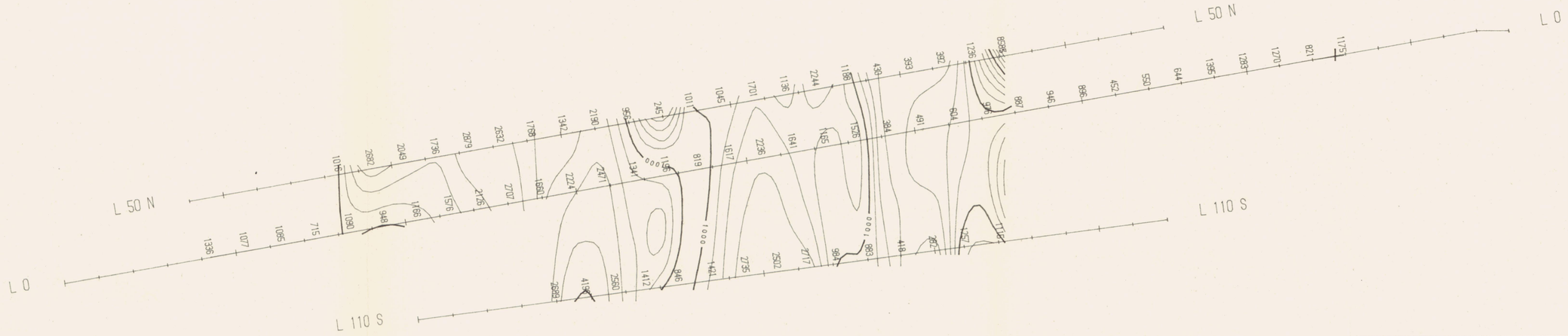
# ARBOR RESOURCES LTD
# LONESTAR GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-O-14 | 1:2500 | Nov/90 | 9 |

092969

205




Scale 1:2500

25 0 25 50 75 100 125
(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# LONESTAR GRID
## DAWSON CITY AREA

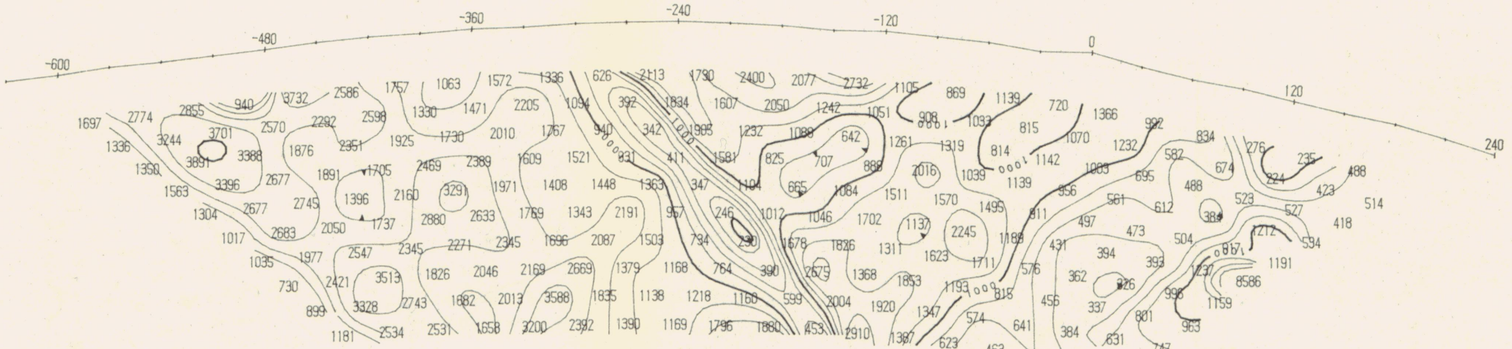
## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | 10 |

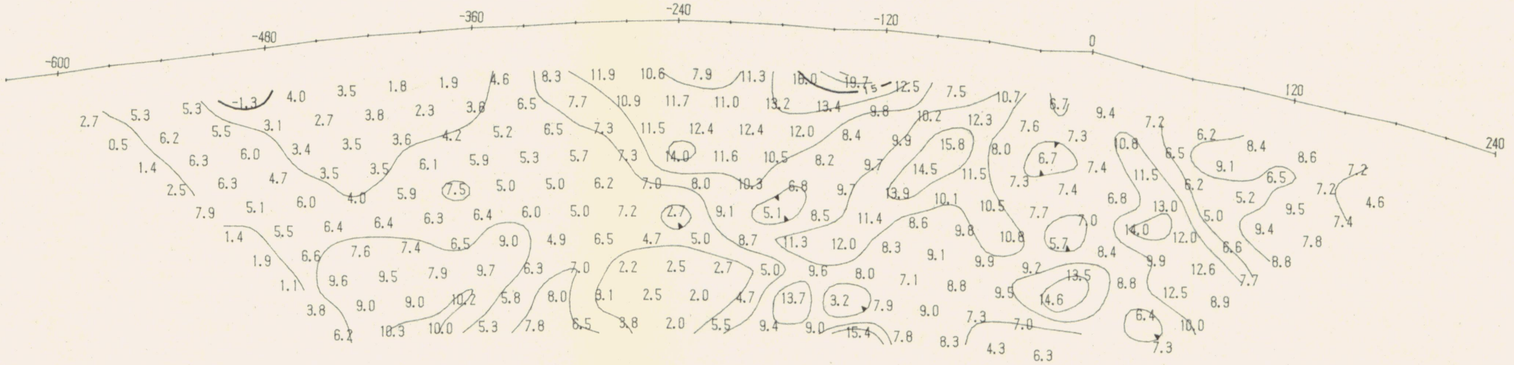
092969

206

Survey Direction: 80 degrees N.E.




APPARENT RESISTIVITY




APPARENT CHARGEABILITY

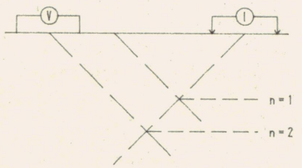
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

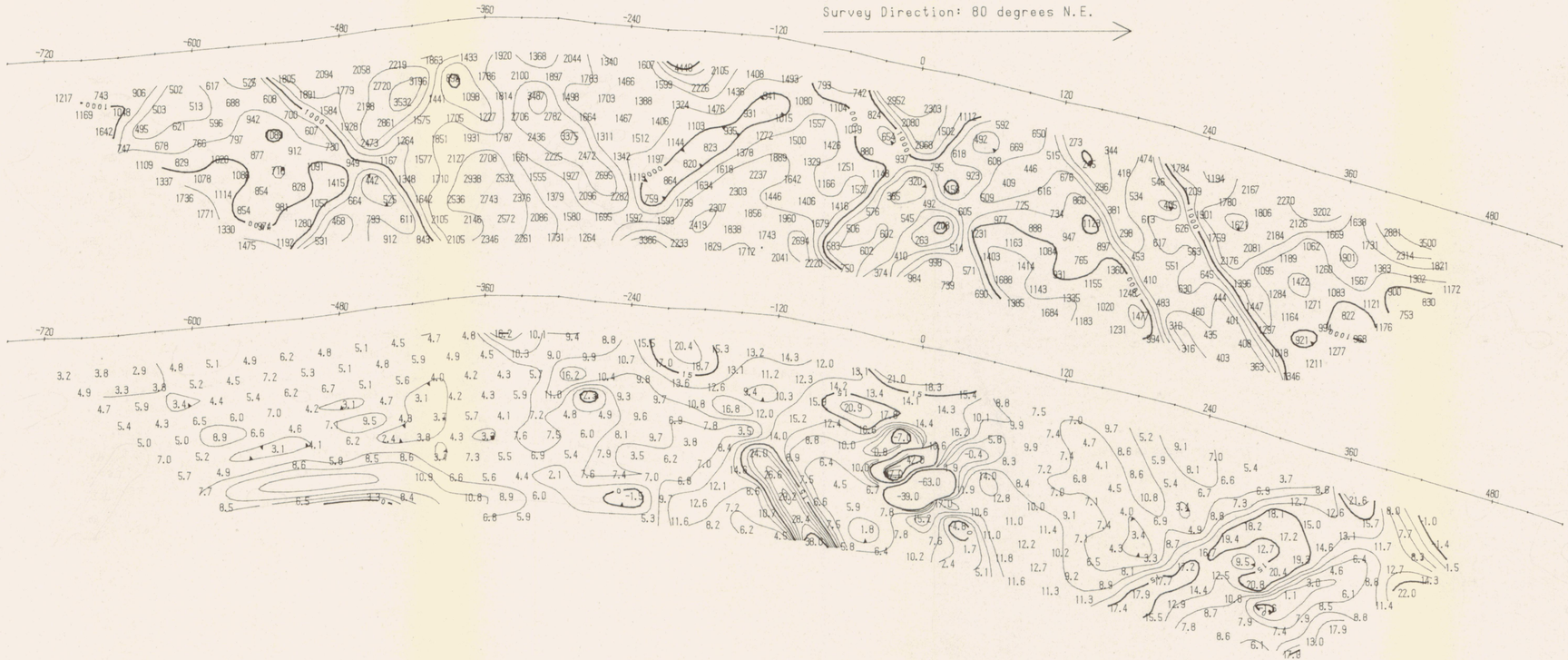
# LONESTAR GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 0+50N

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | // |

92969 207



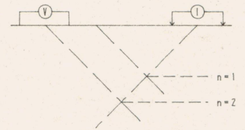

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# LONESTAR GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 0+00(Bldr333)

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | | 1:2500 | Sept/90 | 1/2 |

092969 208

Survey Direction: 80 degrees N.E.

APPARENT RESISTIVITY

APPARENT CHARGEABILITY

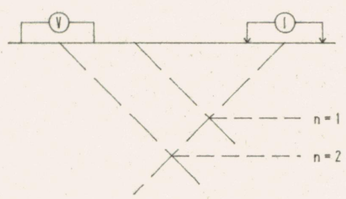
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

## Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

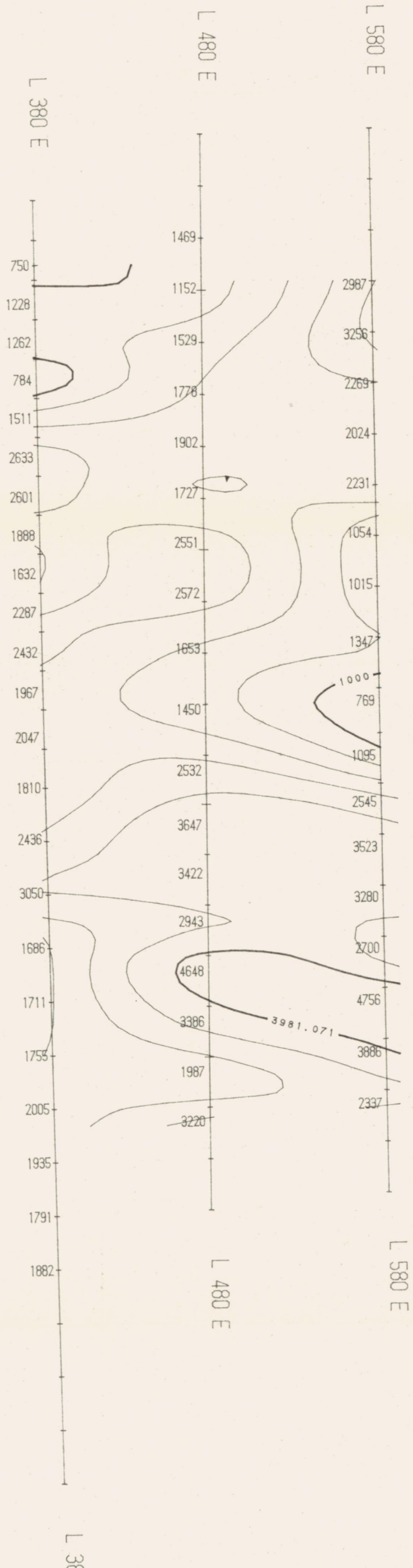
ARBOR RESOURCES INC.

# LONESTAR GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 1+10S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | | 1:2500 | Sept/90 | 13 |




## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Scale 1:2500

25 0 25 50 75 100 125
(metres)

**Surveyed by GEOTRONICS SURVEYS LTD..**
**September 1990**

GEOTRONICS SURVEYS LTD.

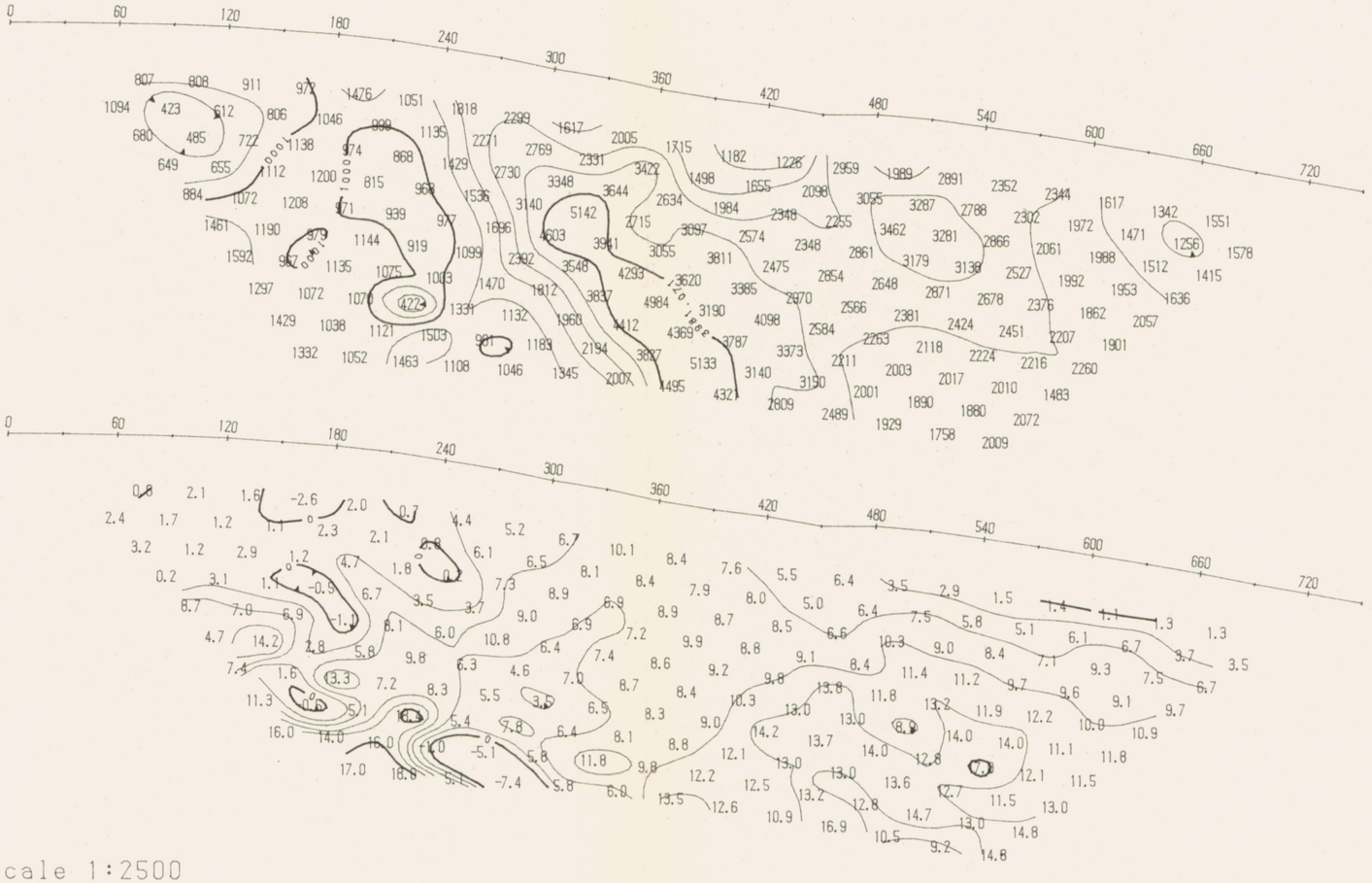
# ARBOR RESOURCES LTD
# 7-PUP GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-O-14 | 1:2500 | Nov/90 | /7 |

092969 210

Survey Direction: 80 Degrees N.E.



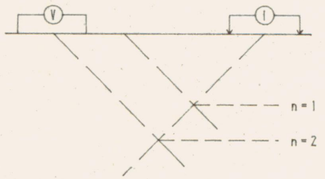

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# 7-PUP GRID

DAWSON CITY, YUKON

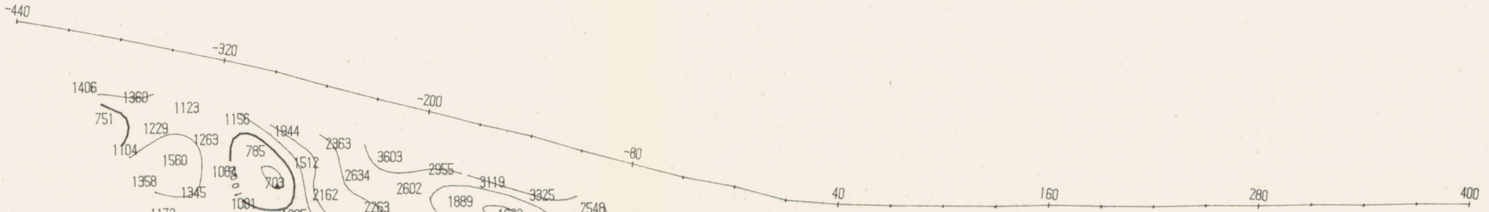
APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 0+00

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-O-14 | 1:2500 | Sept/90 | 20 |

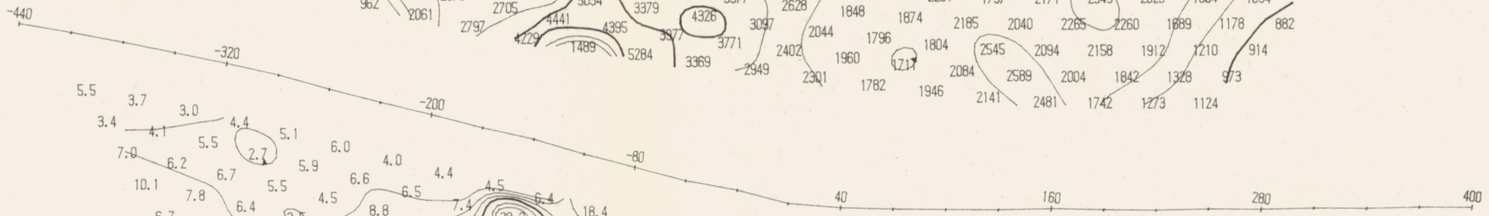
092969

211

Survey Direction: south




APPARENT RESISTIVITY




APPARENT CHAGEABILITY

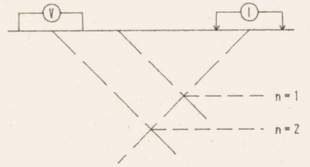
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# 7-PUP GRID

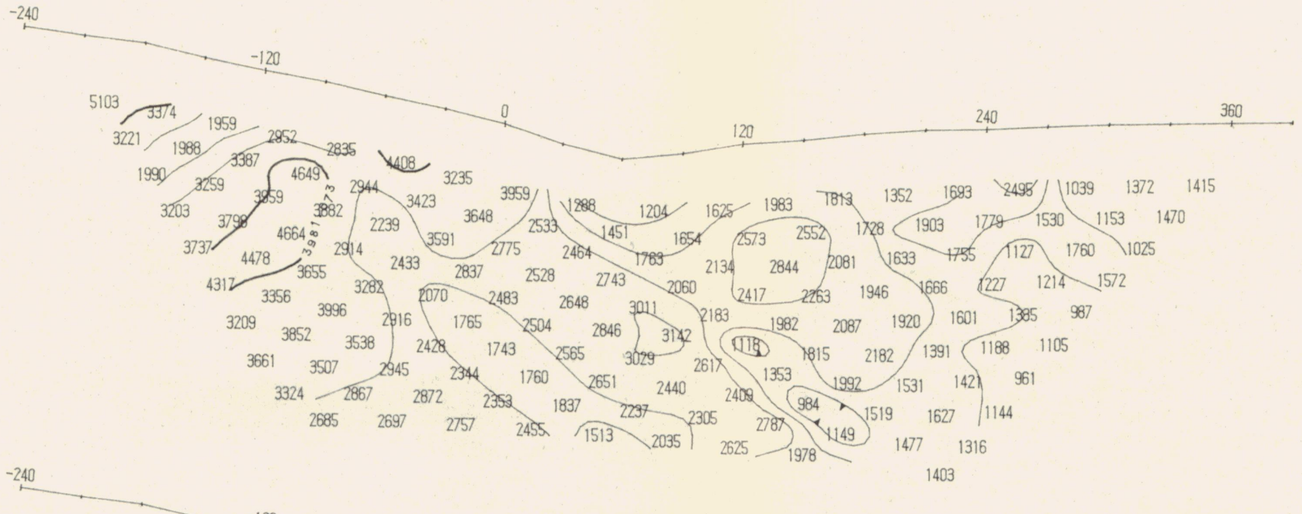
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 3+80E

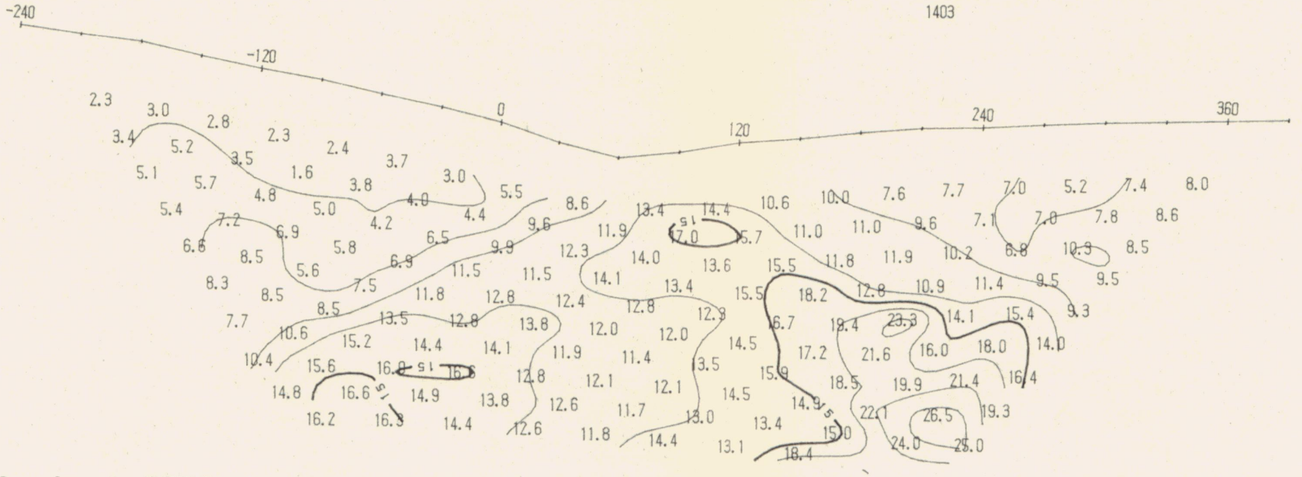
| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-O-14 | 1:2500 | Sept/90 | 21 |

092969 212

Survey Direction: south




APPARENT RESISTIVITY



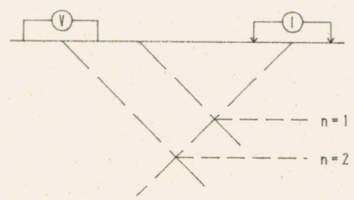

APPARENT CHAGEABILITY

Scale 1:2500

25 0 25 50 75 100 125
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

## Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

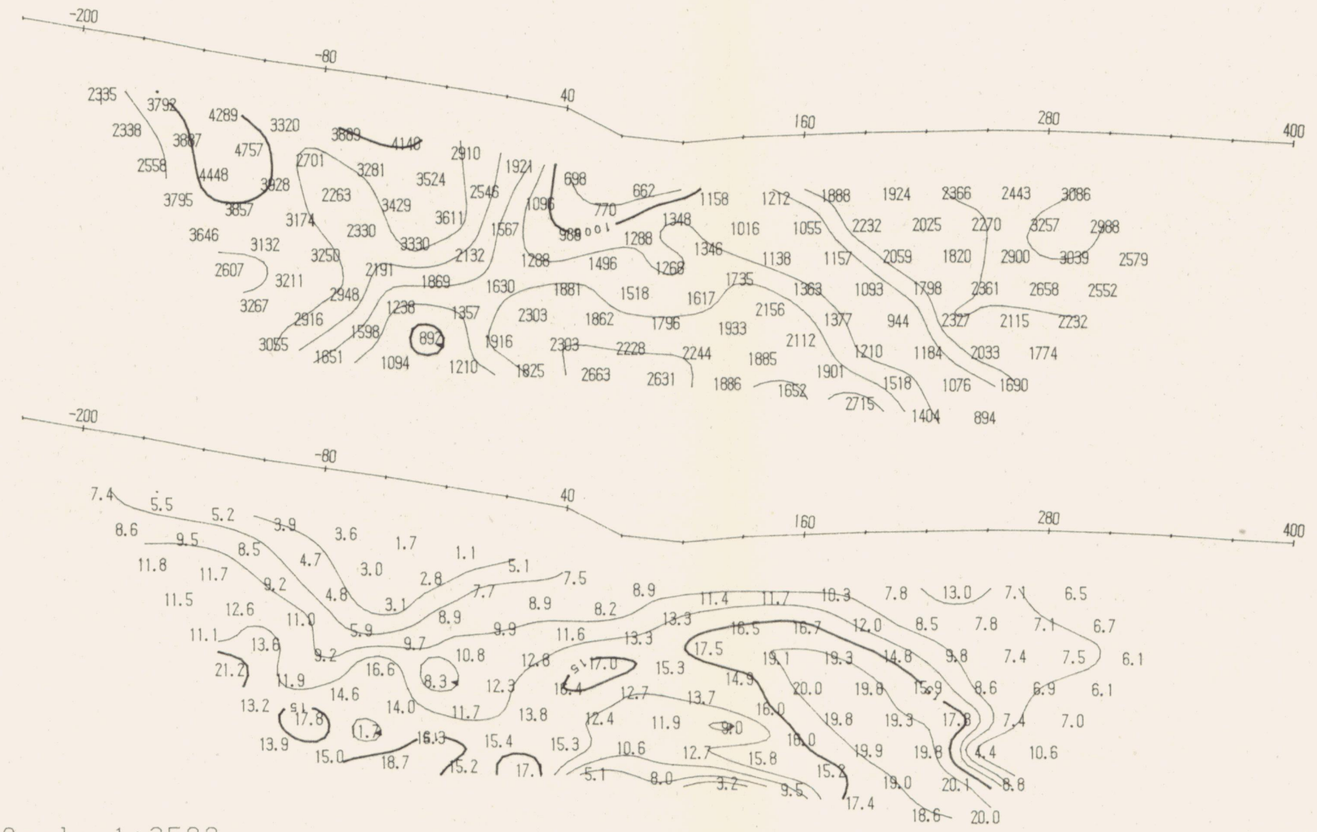
# 7-PUP GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 4+80E

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-O-14 | 1:2500 | Sept/90 | 22 |

Survey Direction: south




APPARENT RESISTIVITY



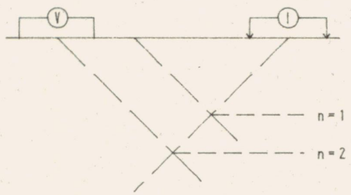

APPARENT CHAGEABILITY

Scale 1:2500

25 0 25 50 75 100 125
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervels:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

Receiver: Huntec Model MK IV
Transmitter/Generator: Huntec Model MK IV 7.5 kWatt

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

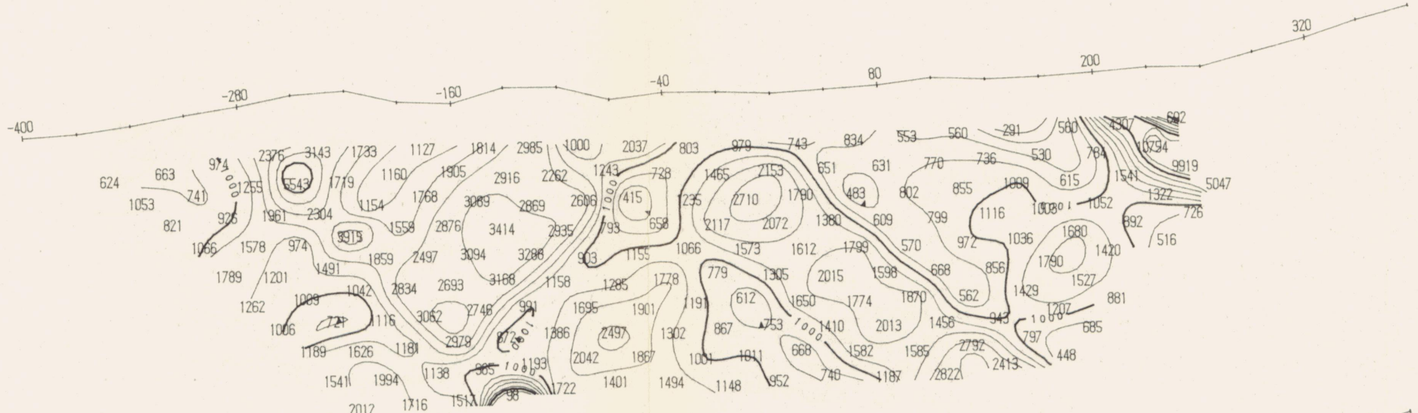
# 7-PUP GRID

DAWSON CITY, YUKON

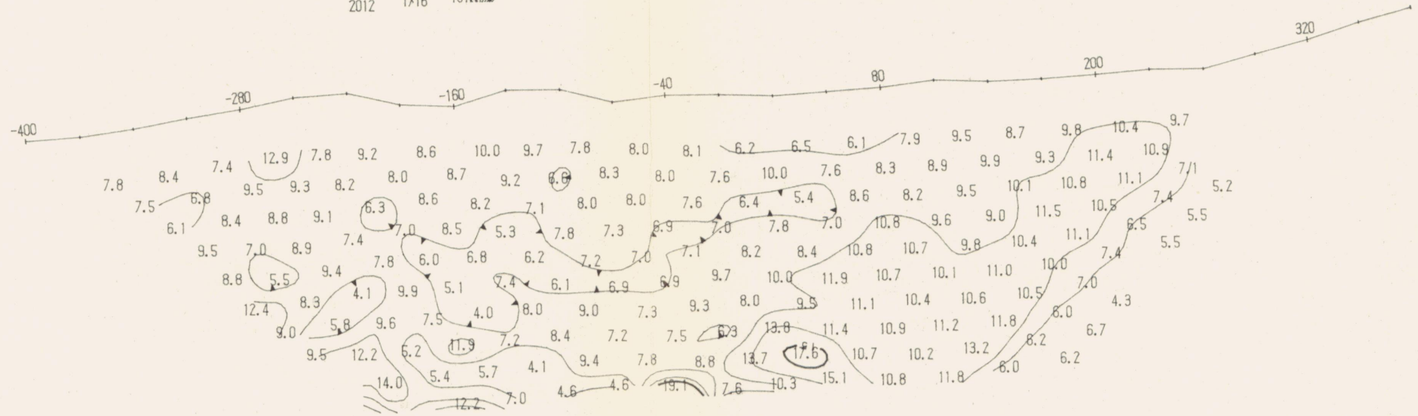
APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 5+80E

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-O-14 | 1:2500 | Sept/90 | 23 |

Survey Direction: 110 degrees S.E.




APPARENT RESISTIVITY




APPARENT CHARGEABILITY

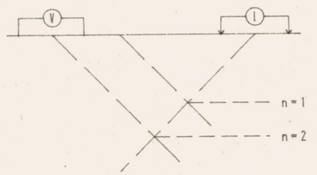
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

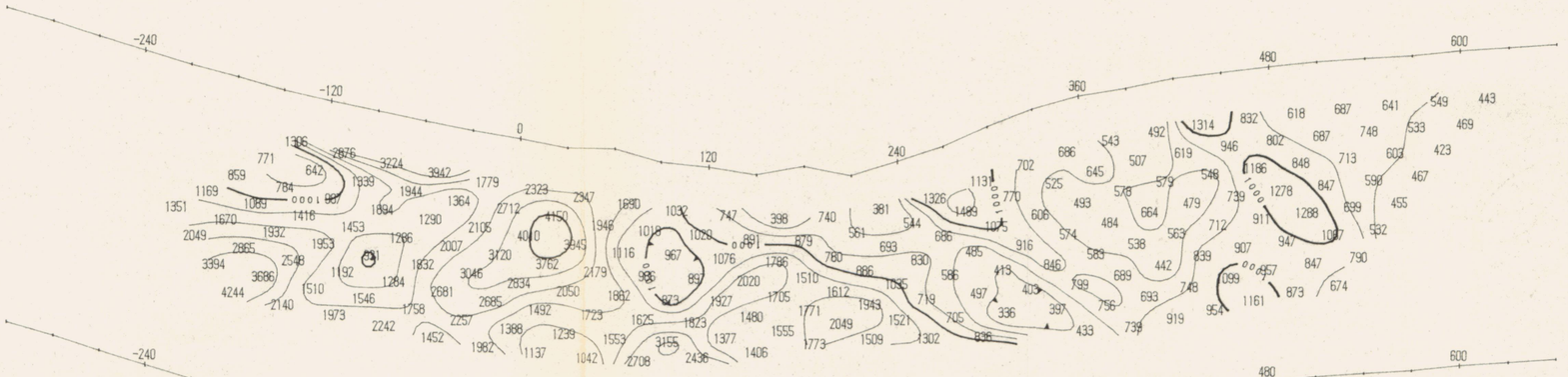
# McKAY-O'NEIL GRID

DAWSON CITY, YUKON

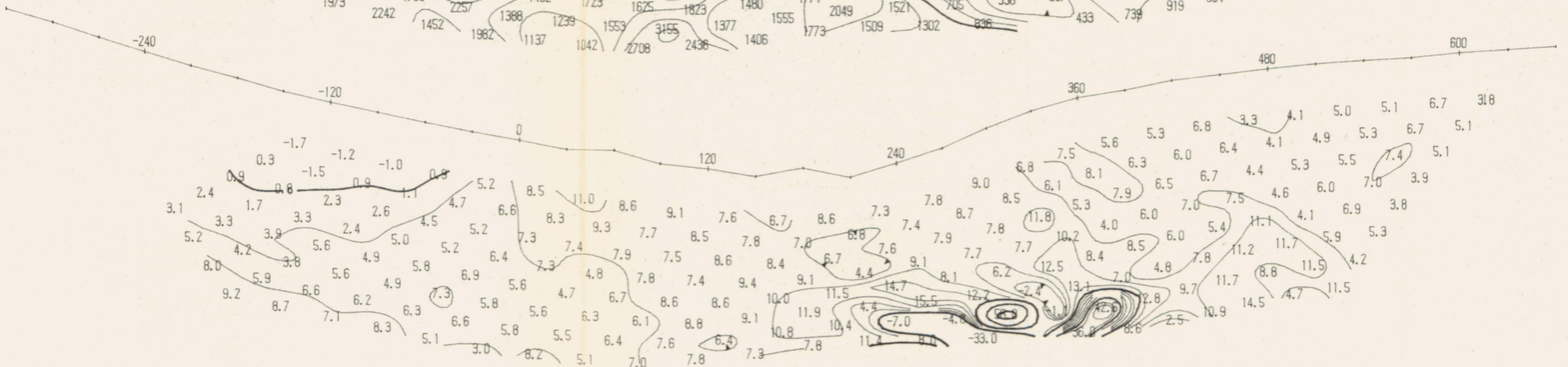
APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 1+00S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 30 |

Survey Direction: 115 degrees S.E.




APPARENT RESISTIVITY




APPARENT CHARGEABILITY

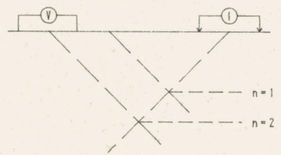
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

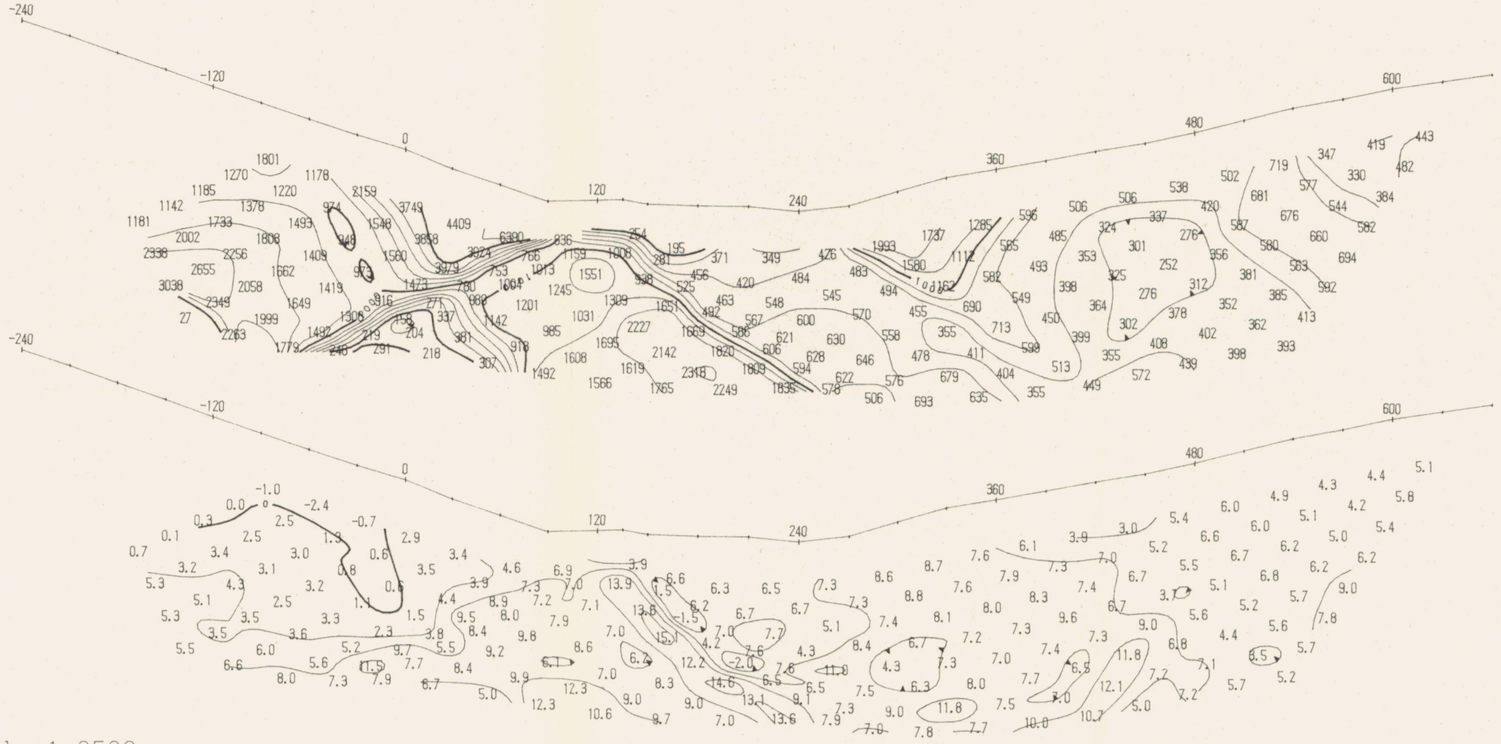
# McKAY-O'NEIL GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 1+00W

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 3 |

Survey Direction: 115 degrees S.E.



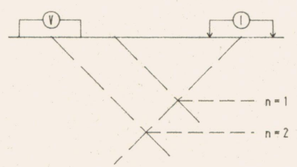

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# McKAY-O'NEIL GRID

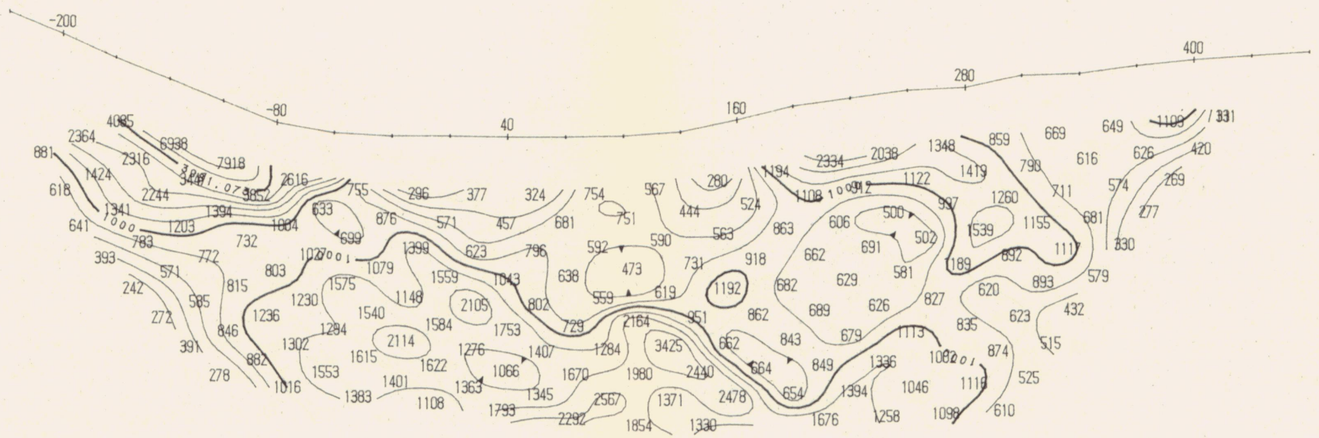
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 0+00

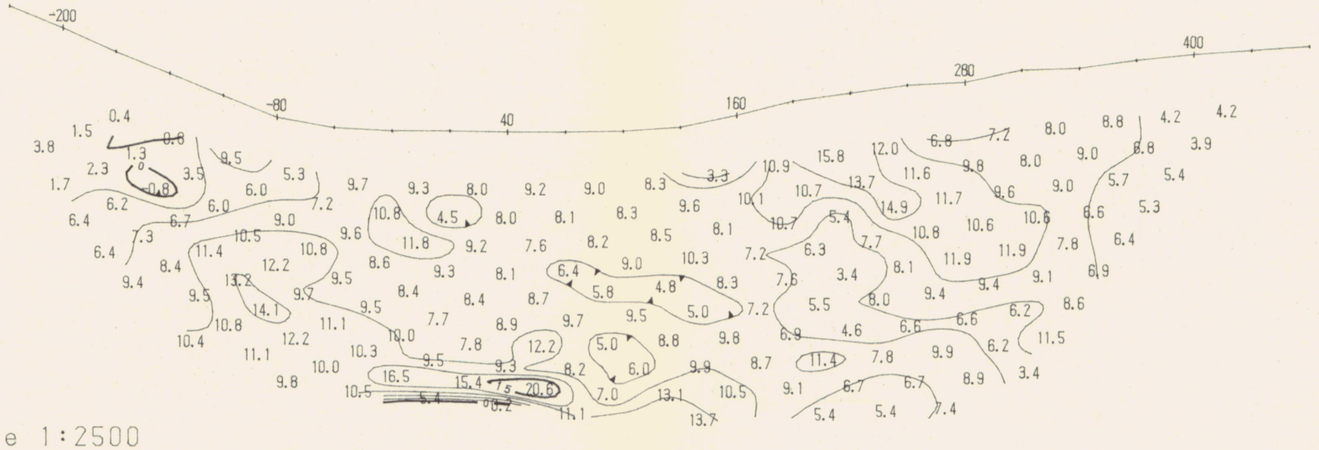
| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-0-14 | 1:2500 | Sept/90 | 32 |

28

Survey Direction: 115 degrees S.E.




APPARENT RESISTIVITY



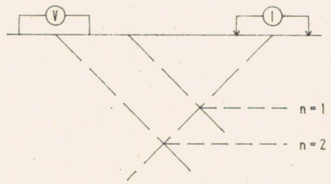

APPARENT CHARGEABILITY

Scale 1:2500

25 0 25 50 75 100 125
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervels:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

**ARBOR RESOURCES INC.**

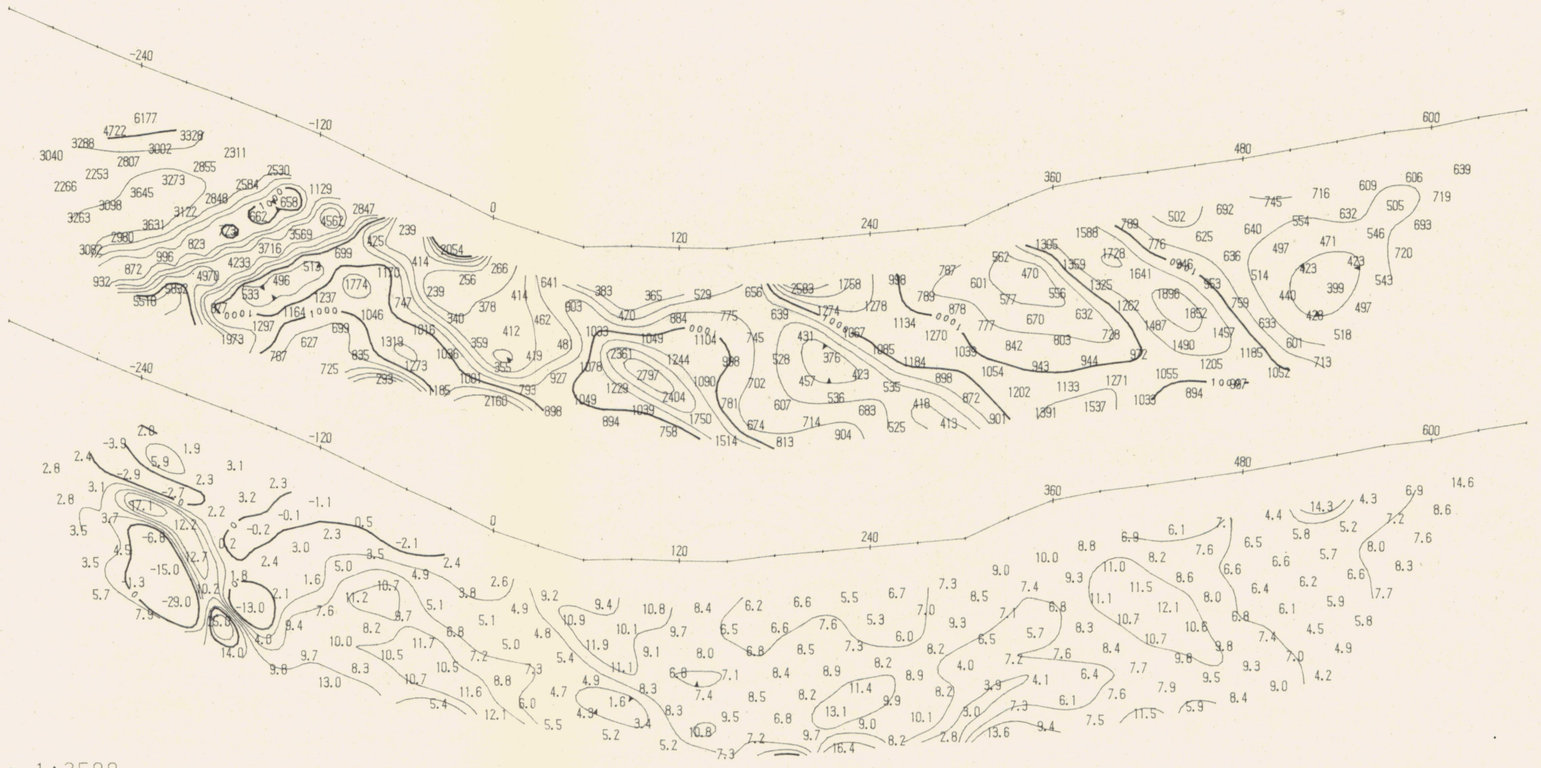
# McKAY-O'NEIL GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 1+00E

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-0-14 | 1:2500 | Sept/90 | 33 |

Survey Direction: 115 degrees S.E.



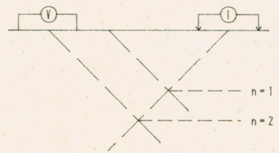

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

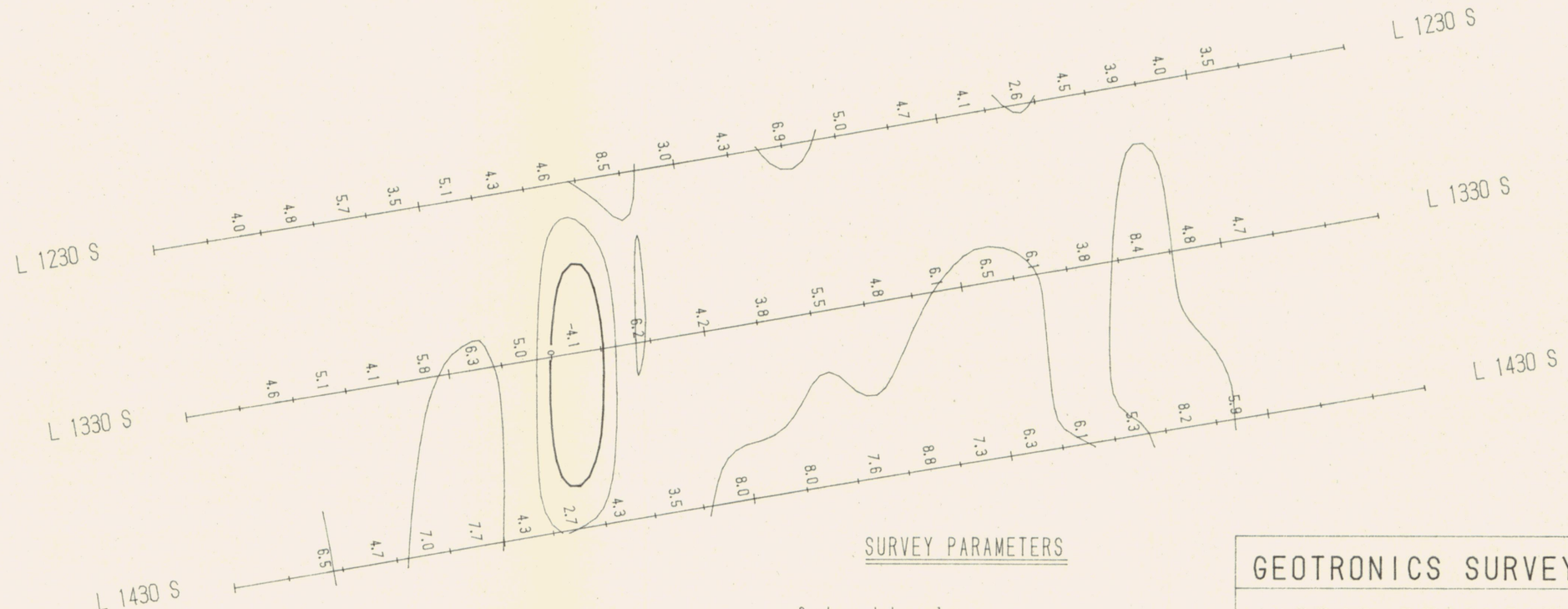
# McKAY-O'NEIL GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 2+00E

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 34 |

220




Scale 1:2500

25 0 25 50 75 100 125

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

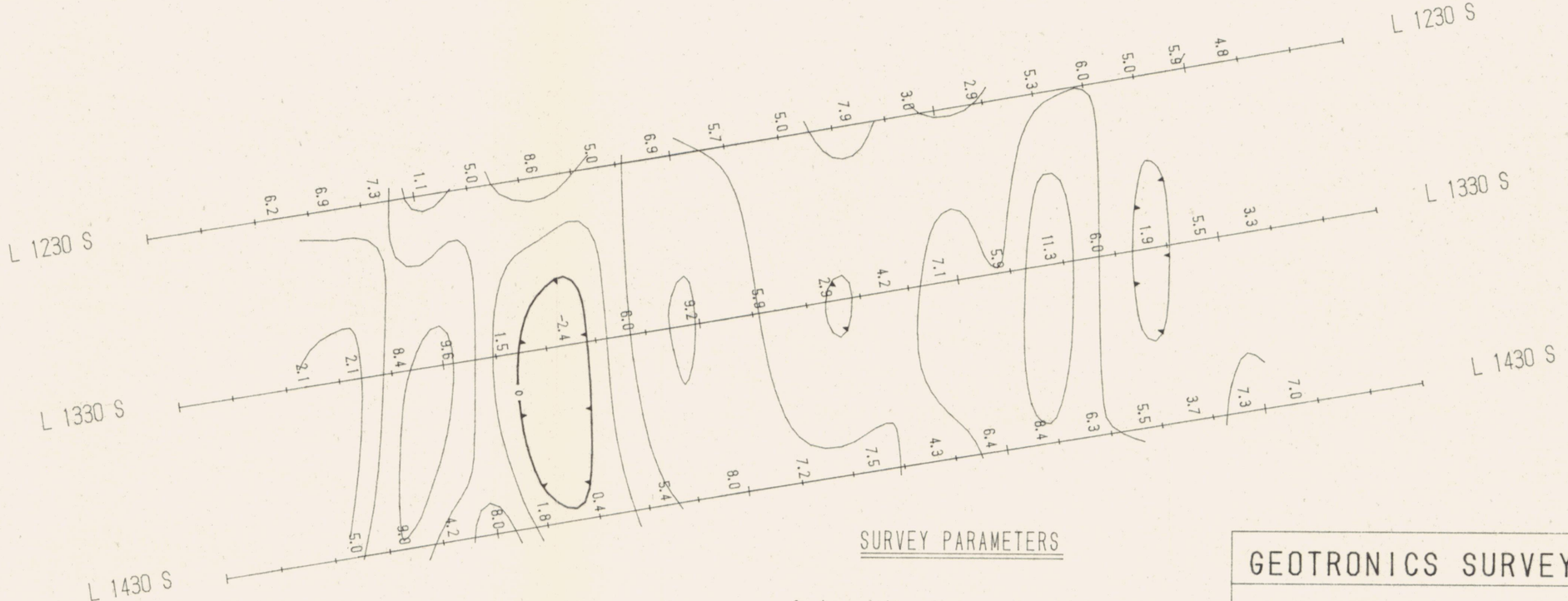
Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# IRISH GULCH GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
Data and Contours
For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | 35 |




Scale 1:2500

25 0 25 50 75 100 125

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

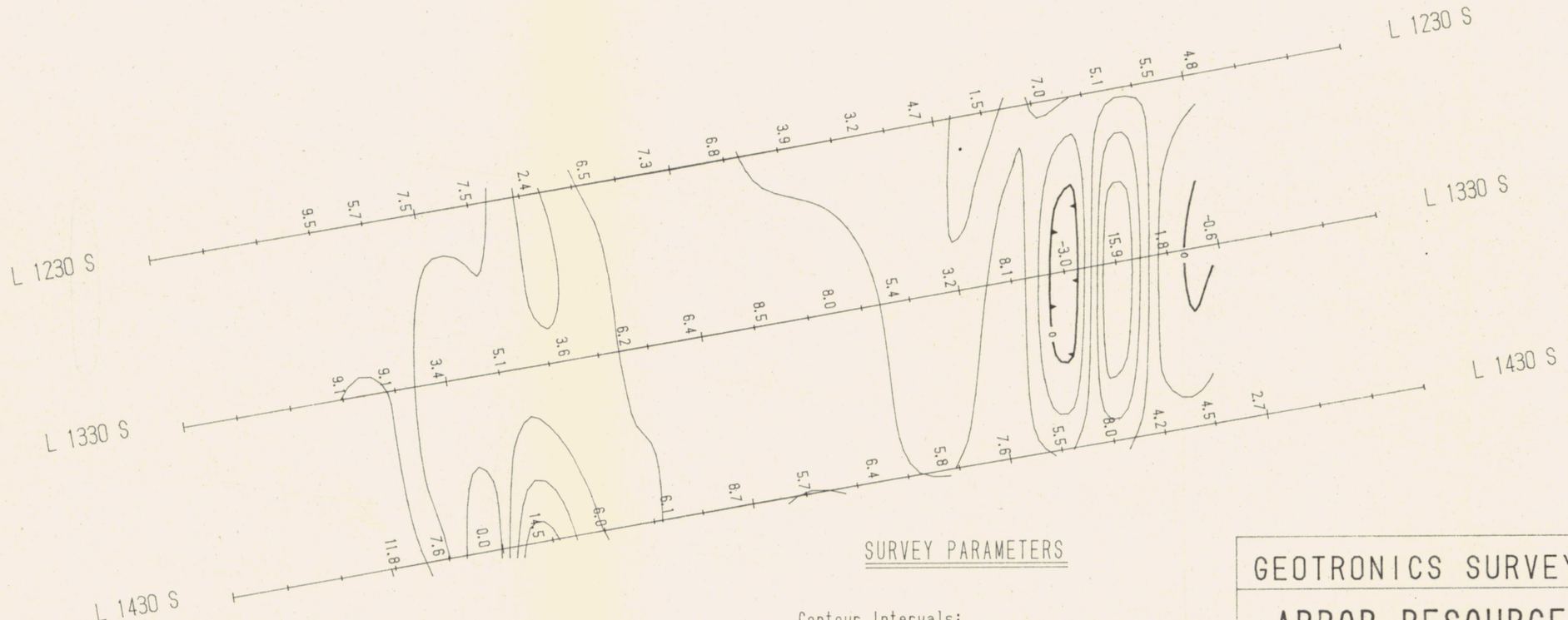
**Surveyed by GEOTRONICS SURVEYS LTD..**
**September 1990**

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# IRISH GULCH GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
## Data and Contours
## For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | 36 |




Scale 1:2500

25 0 25 50 75 100 125

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

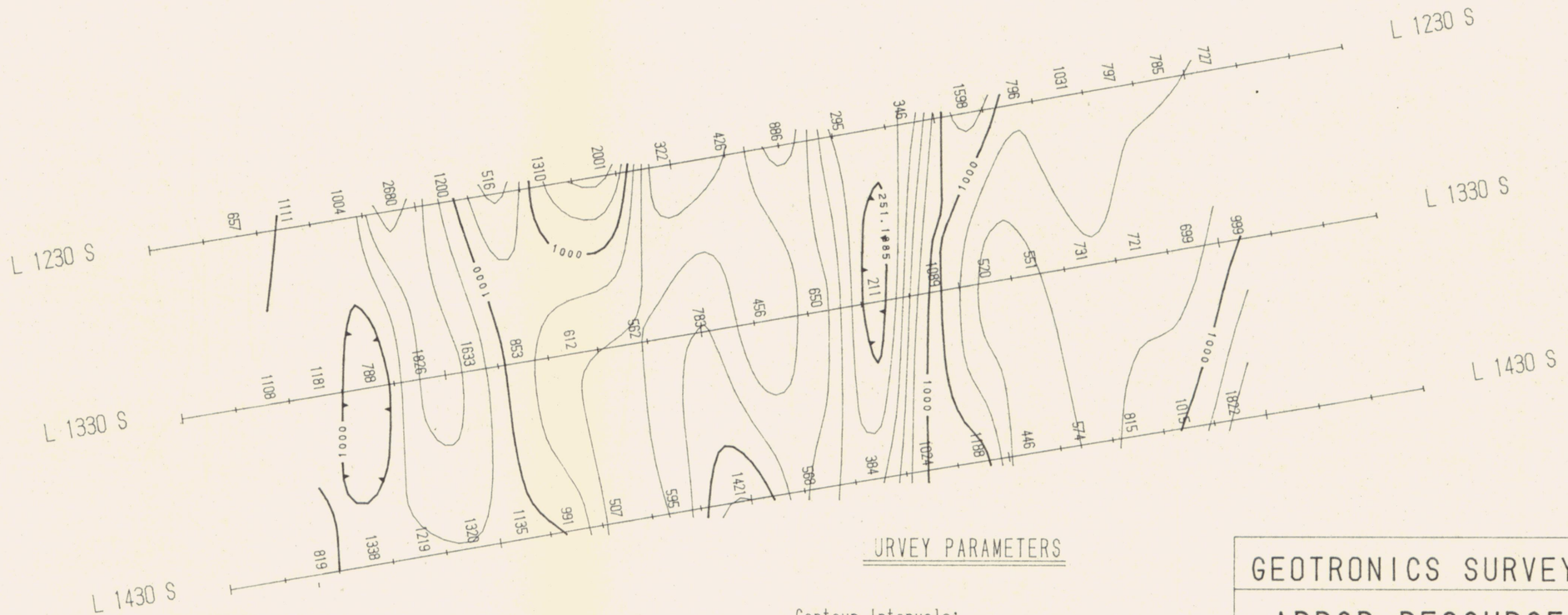
Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# IRISH GULCH GRID
DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
Data and Contours
For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-O-14 | 1:2500 | Nov/90 | 37 |




Scale 1:2500

25 0 25 50 75 100 125

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

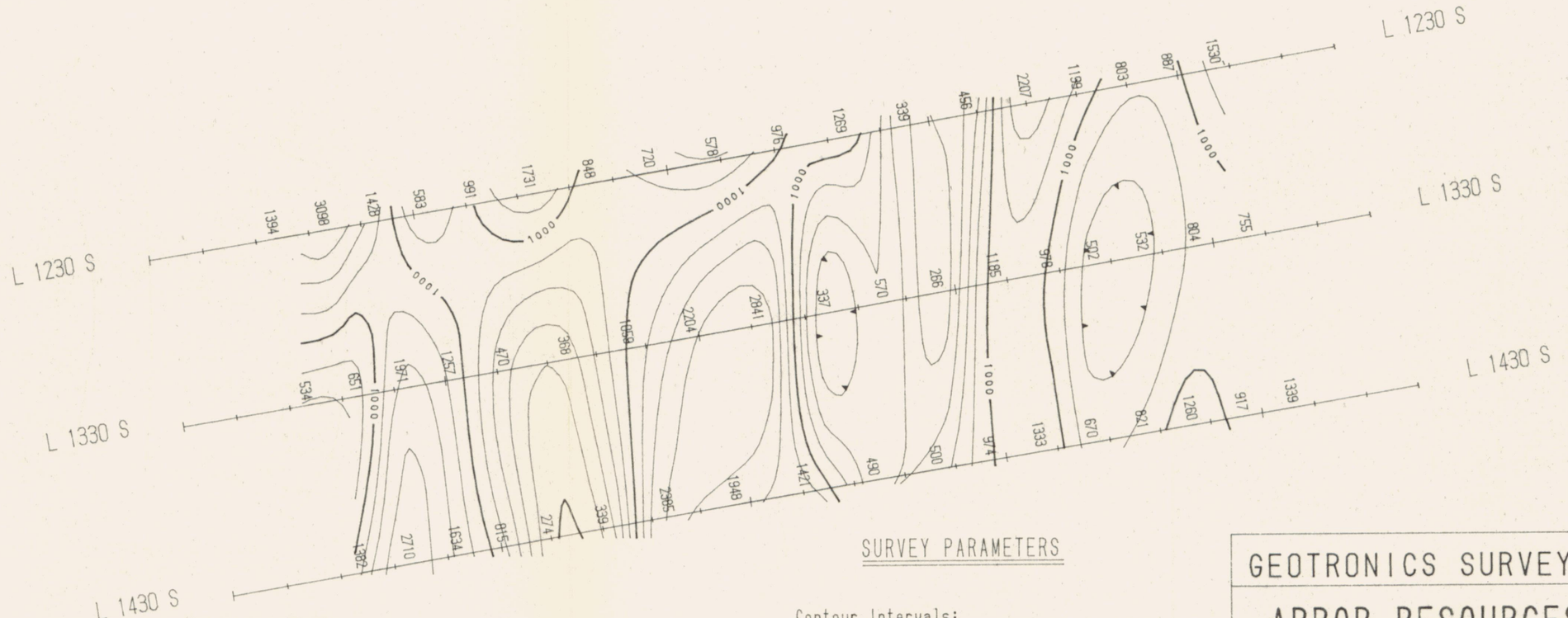
Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

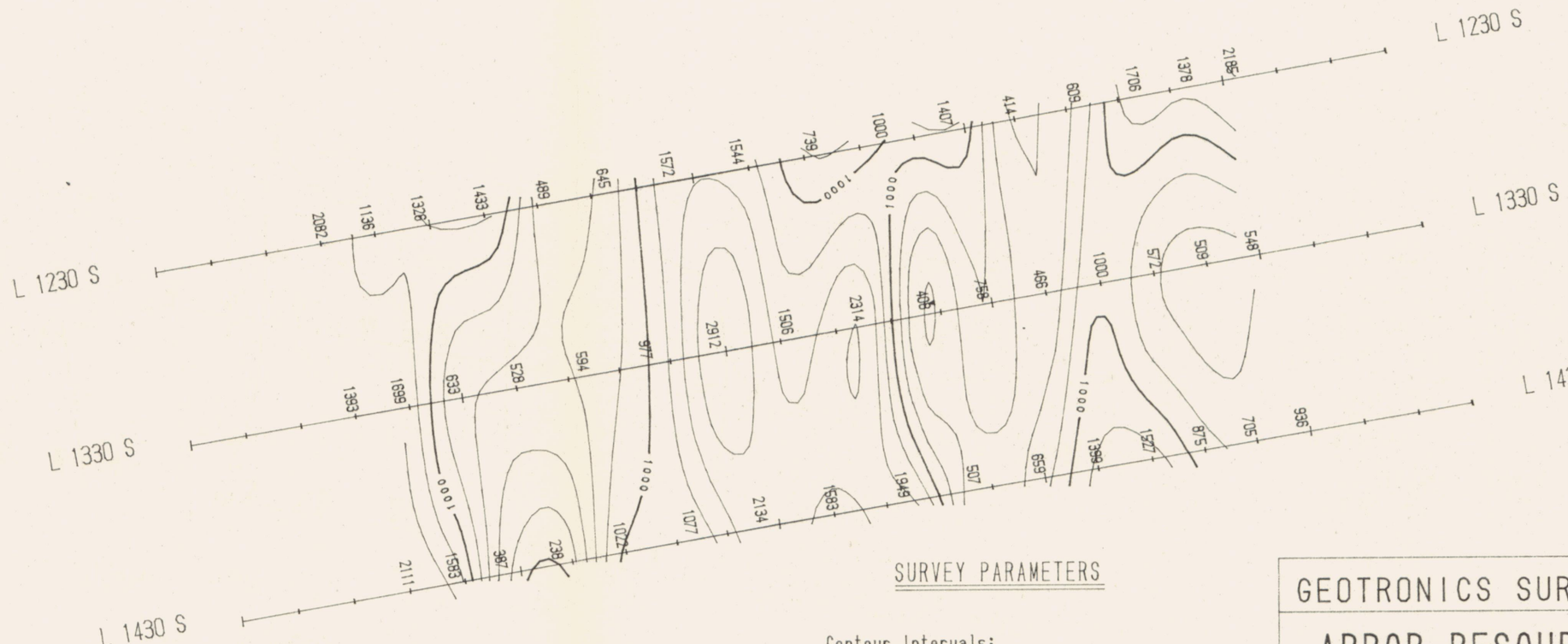
GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# IRISH GULCH GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-O-14 | 1:2500 | Nov/90 | 38 |


L 1230 S
L 1330 S
L 1430 S
L 1230 S
L 1330 S
L 1430 S
1394
3098
1428
583
991
1731
848
720
578
976
1269
339
456
2207
1198
803
887
1530
1000
1000
1000




Scale 1:2500

25 0 25 50 75 100 125

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

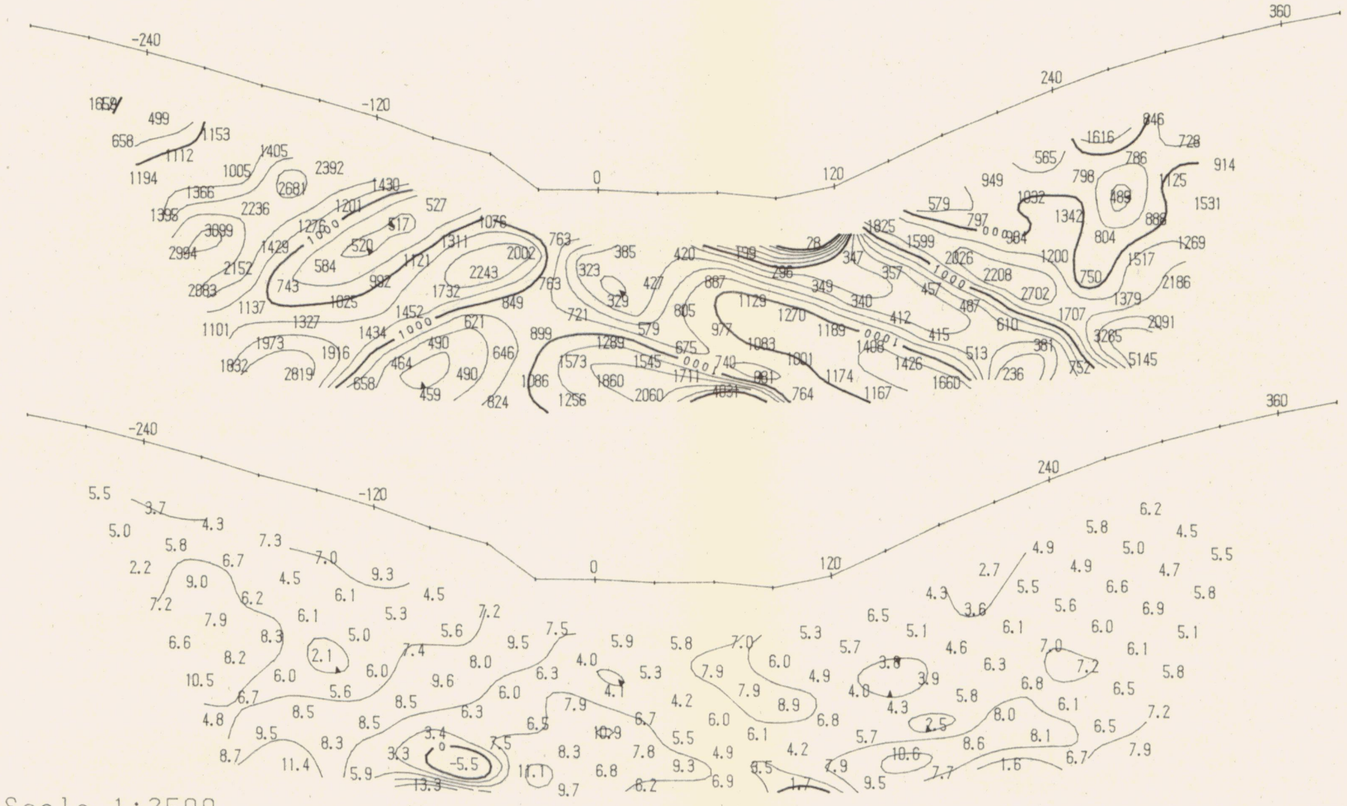
GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# IRISH GULCH GRID
DAWSON CITY AREA

## Apparent RESISTIVITY Survey
Data and Contours
For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | 40 |

Survey Direction: 80 degrees N.E.




APPARENT RESISTIVITY



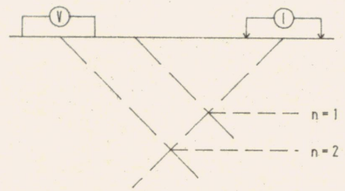

APPARENT CHARGEABILITY

Scale 1:2500

25 0 25 50 75 100 125
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervels:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

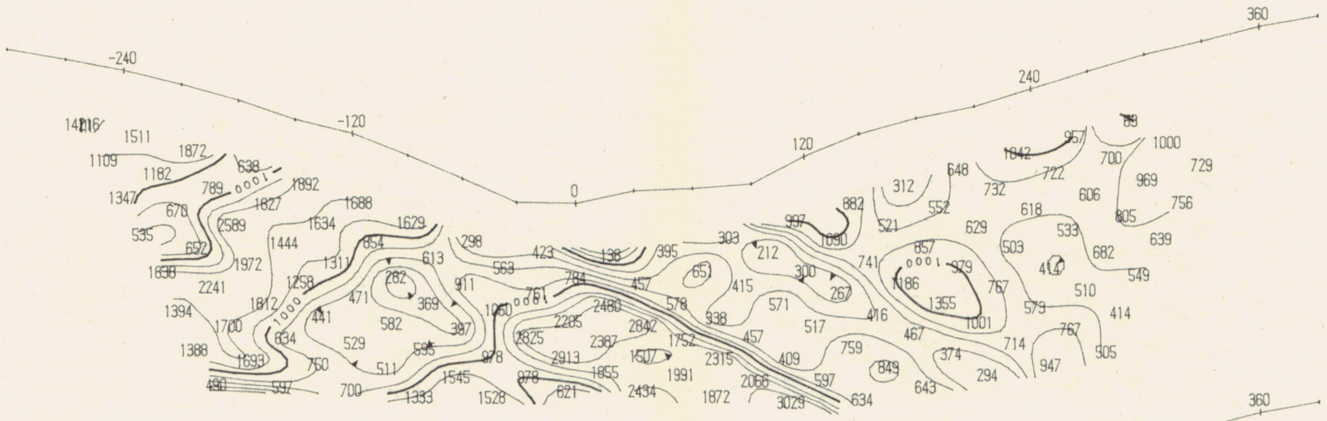
# IRISH GULCH GRID

DAWSON CITY, YUKON

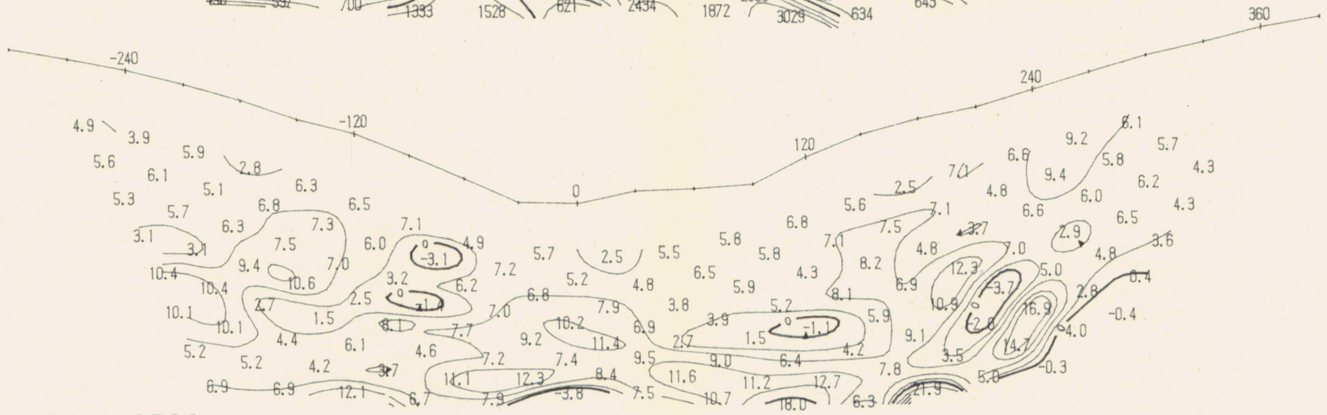
APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 12+30S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 41 |

Survey Direction: 80 degrees N.E.




APPARENT RESISTIVITY



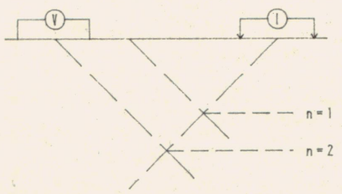

APPARENT CHARGEABILITY

Scale 1:2500

25 0 25 50 75 100 125
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

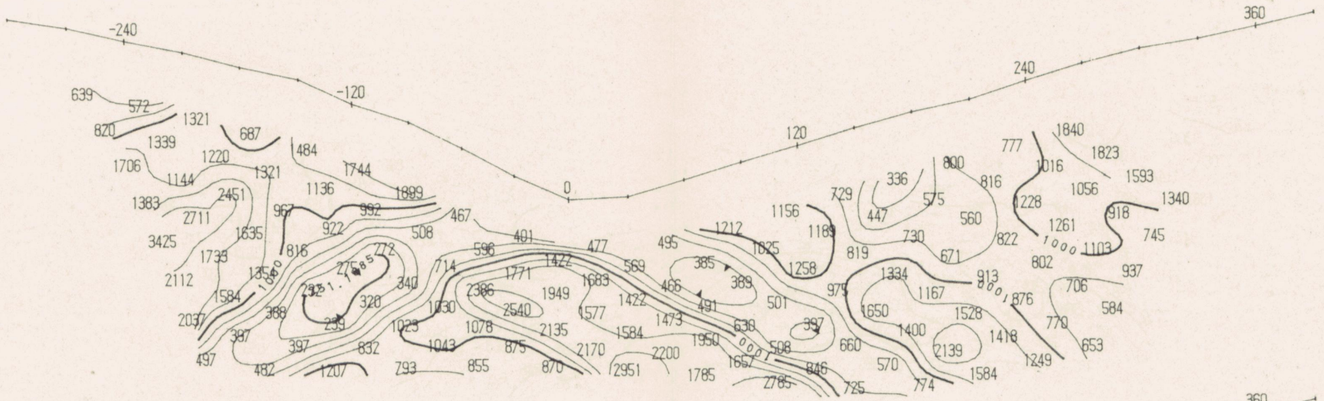
# IRISH GULCH GRID

DAWSON CITY, YUKON

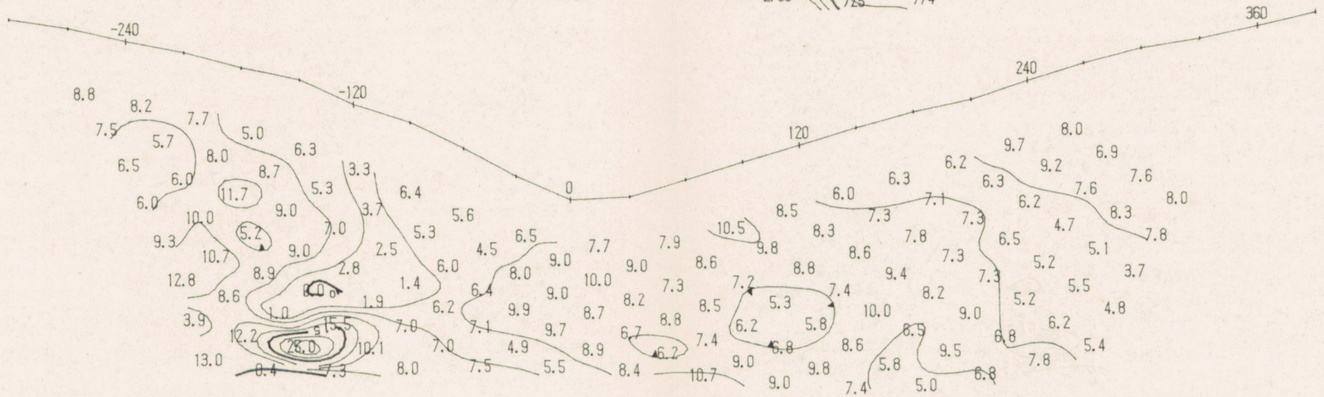
APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 13+30S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 42 |

Survey Direction: 80 degrees N.E.




APPARENT RESISTIVITY




APPARENT CHARGEABILITY

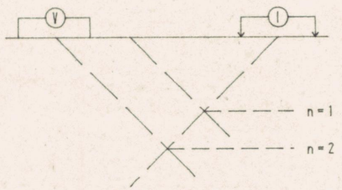
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

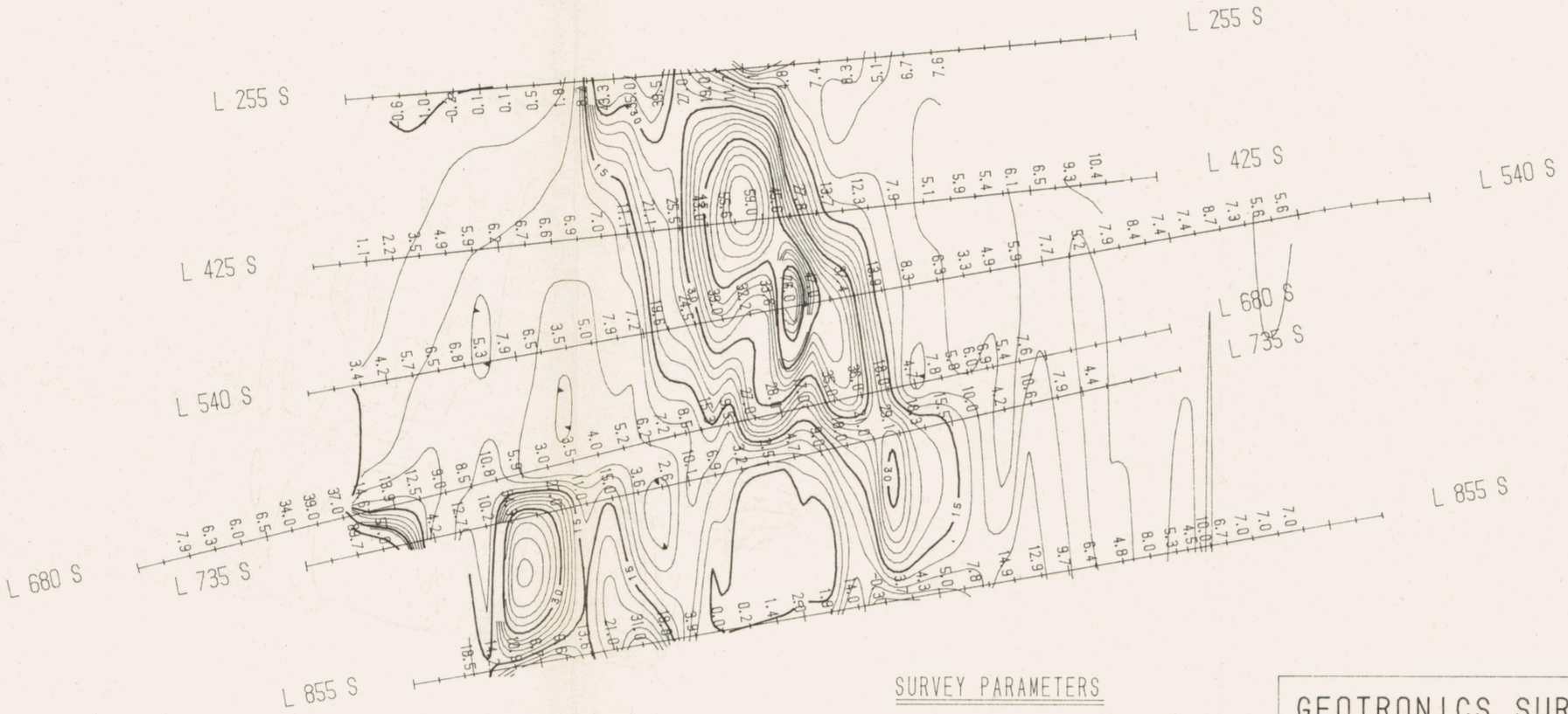
ARBOR RESOURCES INC.

# IRISH GULCH GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 14+30S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 43 |




Scale 1:5000

50 0 50 100 150 200 250

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

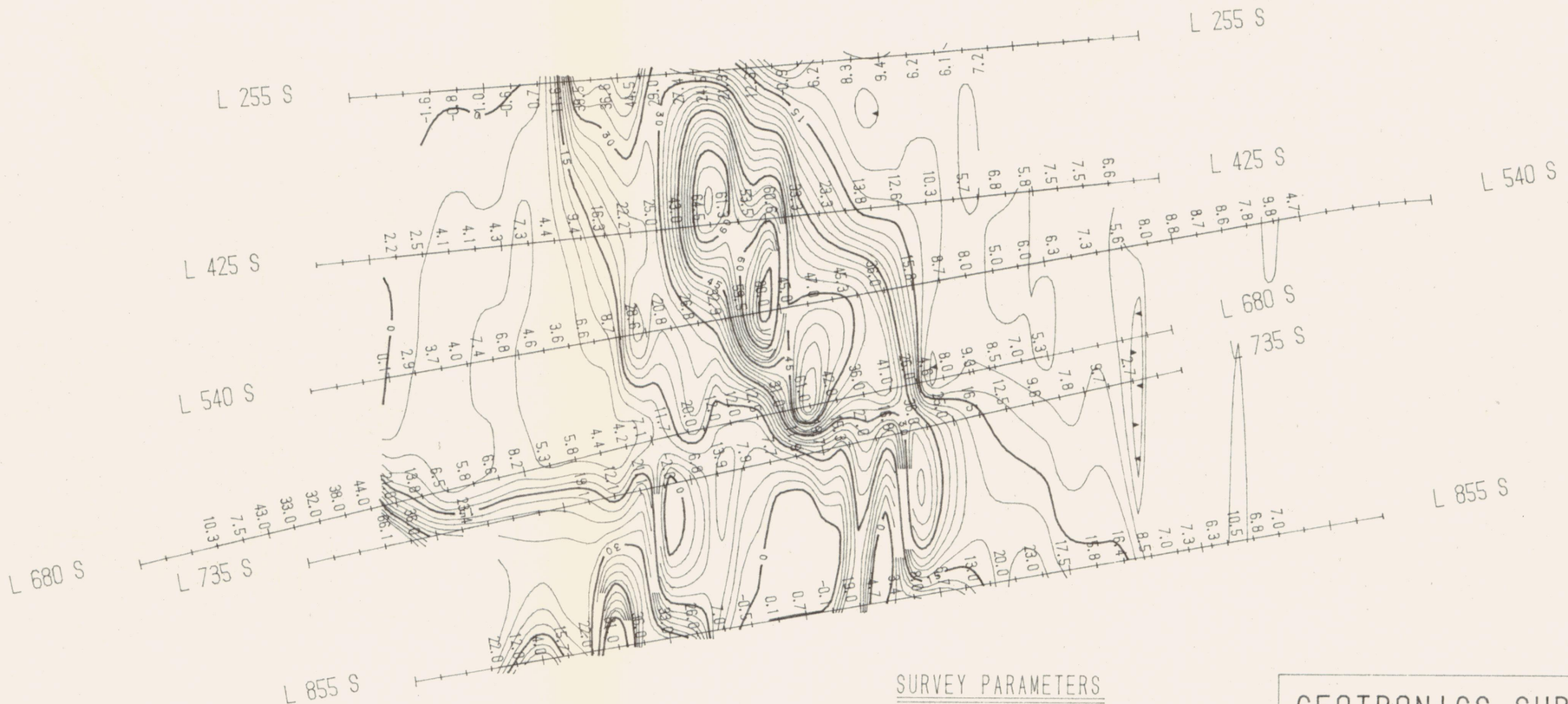
Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# FRENCH GULCH GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
## Data and Contours
## For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | 44 |




Scale 1:5000

50 0 50 100 150 200 250

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

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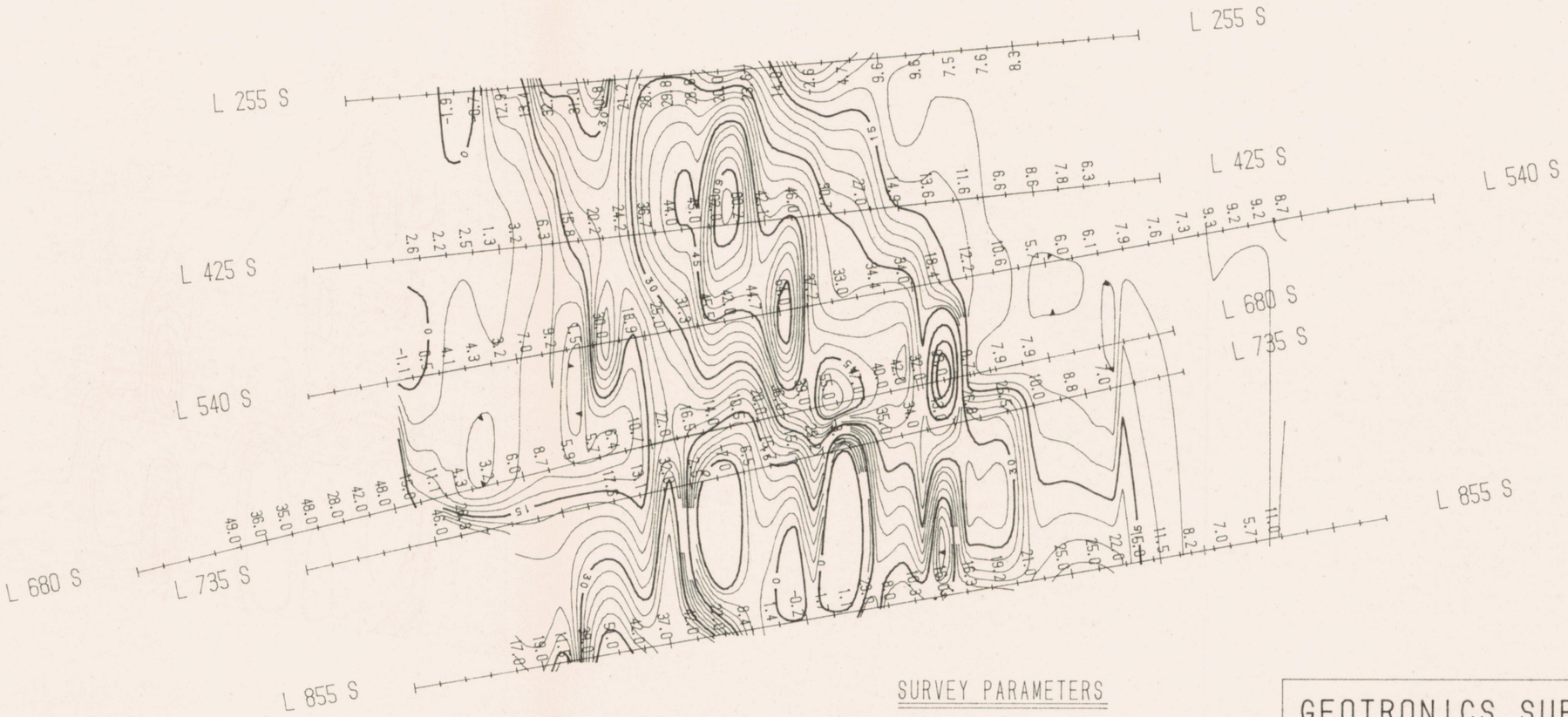
September 1990

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# FRENCH GULCH GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
Data and Contours
For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | 45 |




Scale 1:5000

50 0 50 100 150 200 250

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

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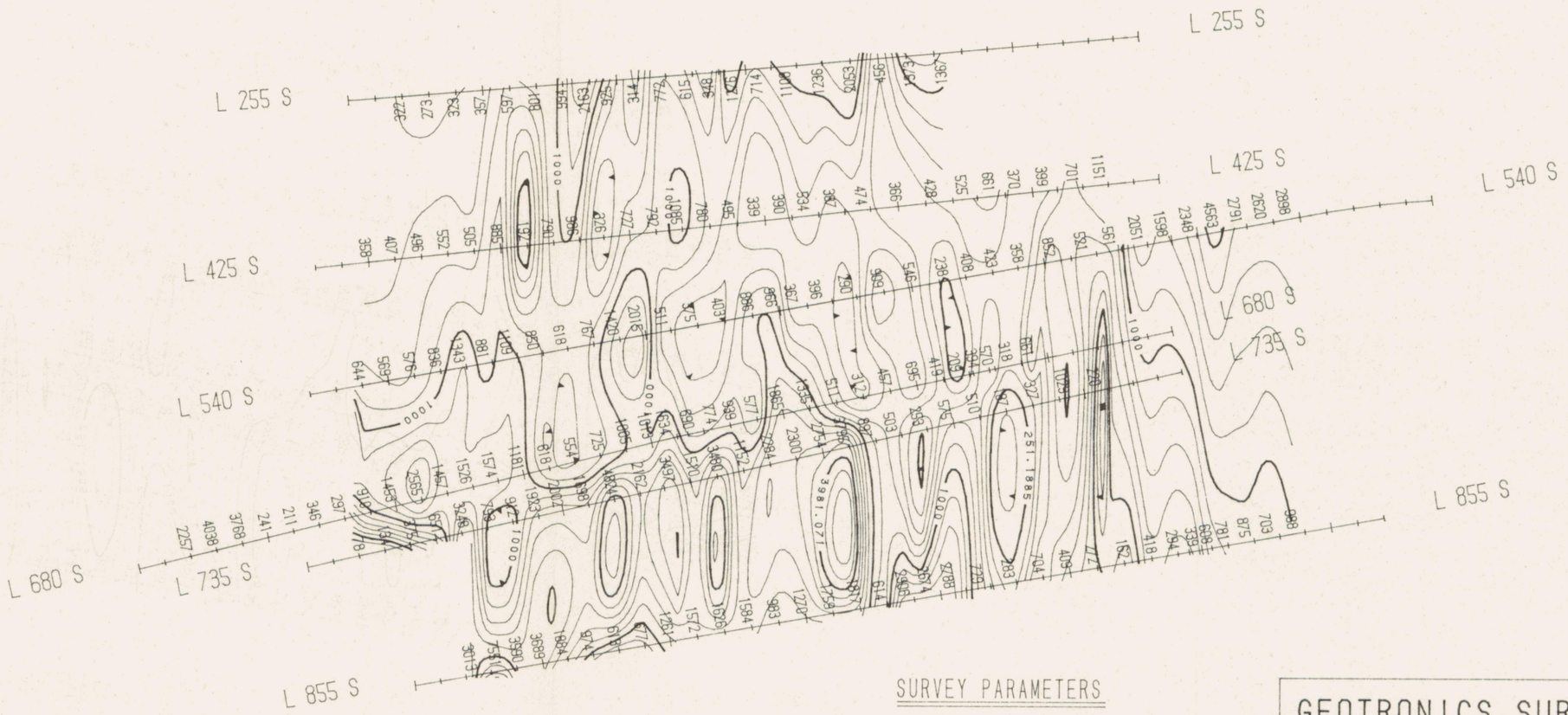
September 1990

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# FRENCH GULCH GRID
DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
Data and Contours
For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | 46 |




Scale 1:5000

50 0 50 100 150 200 250

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda-engine

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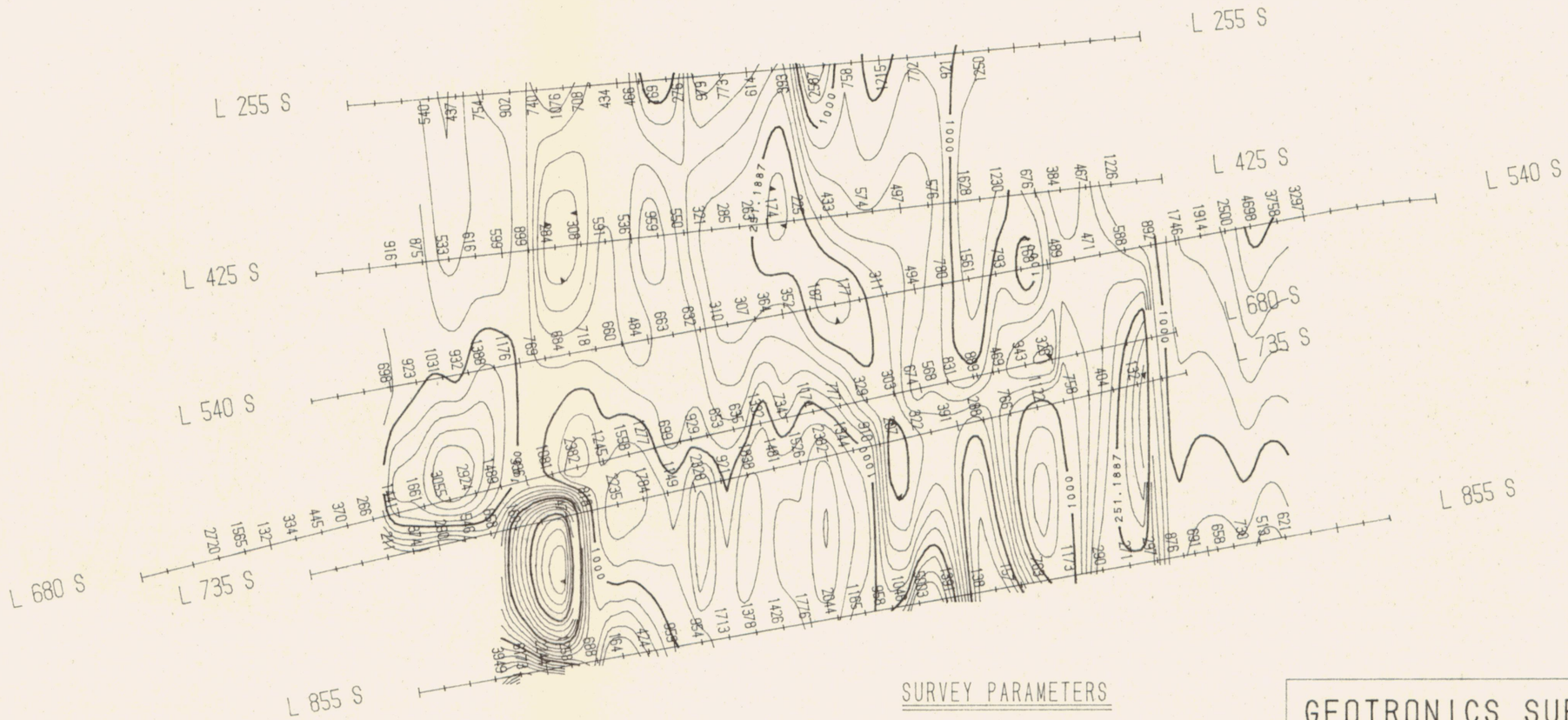
September 1990 .

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# FRENCH GULCH GRID
DAWSON CITY AREA

## Apparent RESISTIVITY Survey
Data and Contours
For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | 47 |




Scale 1:5000

50 0 50 100 150 200 250

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

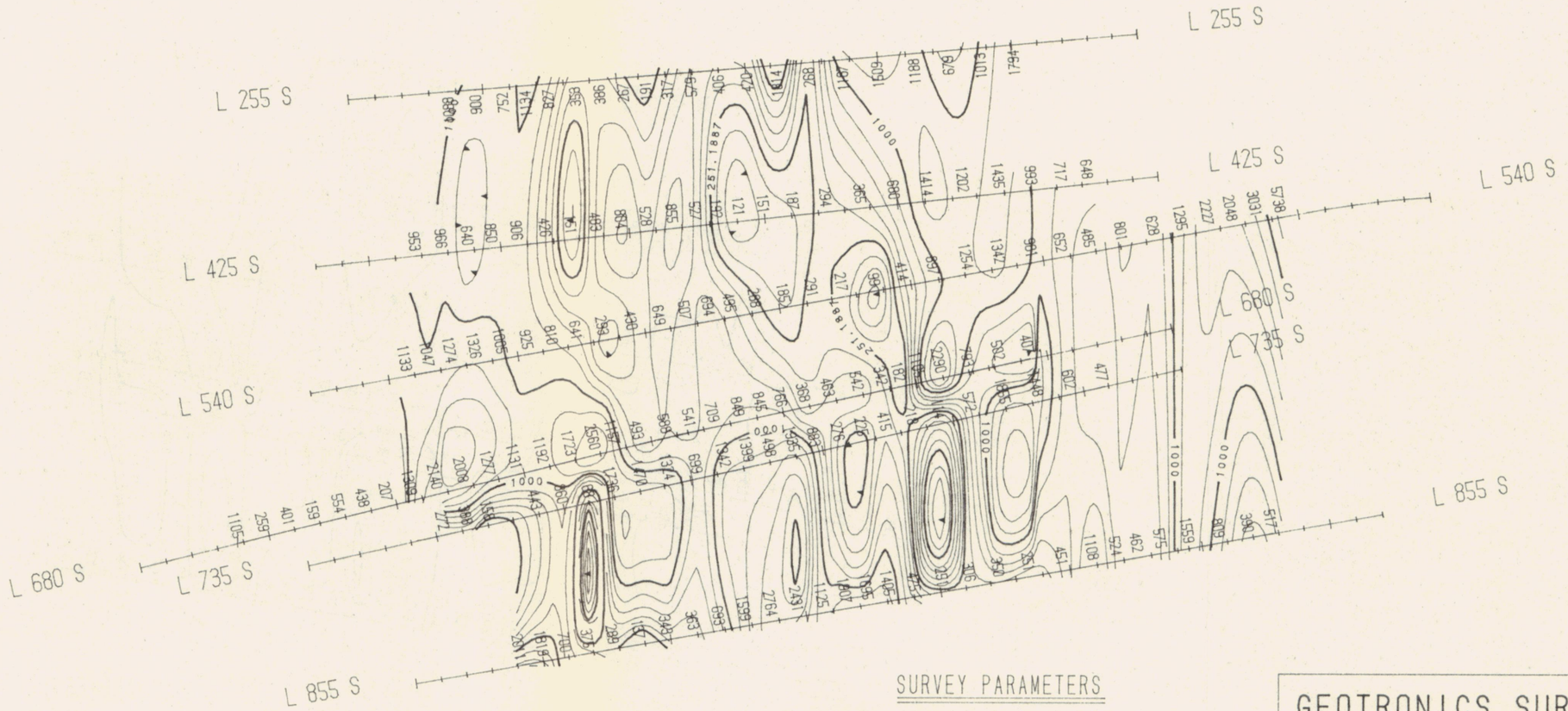
**Surveyed by GEOTRONICS SURVEYS LTD..**
**September 1990**

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# FRENCH GULCH GRID
DAWSON CITY AREA

## Apparent RESISTIVITY Survey
Data and Contours
For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-O-14 | 1:5000 | Nov/90 | 48 |




Scale 1:5000

50 0 50 100 150 200 250

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

GEOTRONICS SURVEYS LTD.

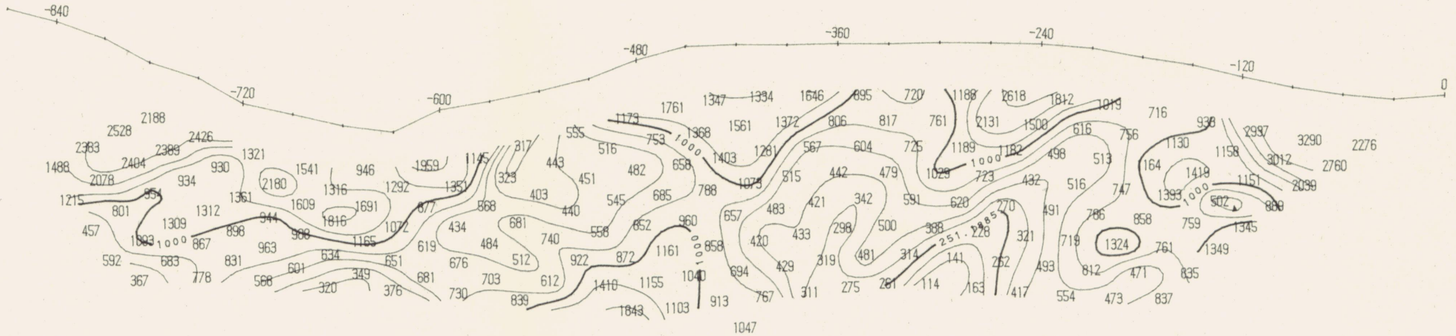
# ARBOR RESOURCES LTD
# FRENCH GULCH GRID
DAWSON CITY AREA

## Apparent RESISTIVITY Survey
Data and Contours
For Level n=6

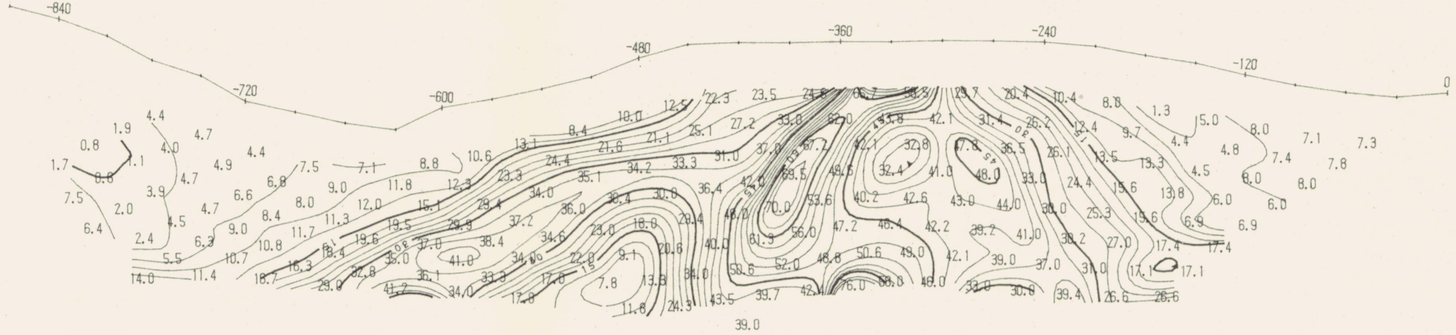
| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | 49 |

Survey Direction: South

APPARENT RESISTIVITY




APPARENT CHARGEABILITY



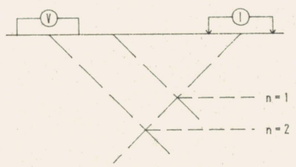

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# FRENCH GULCH GRID

DAWSON CITY, YUKON

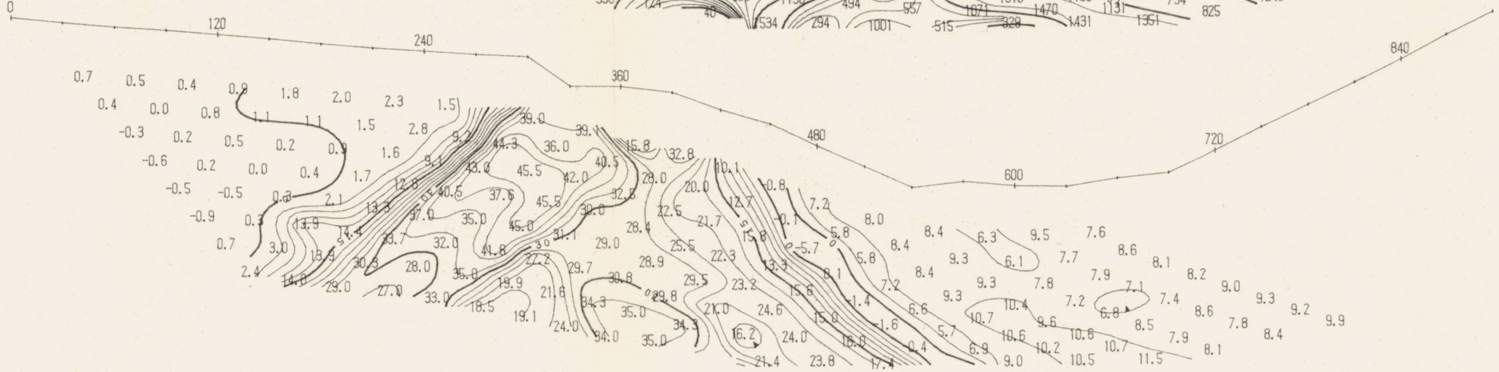
APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 3+60E

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 50 |

236

Survey Direction: 85 degrees N.E.

APPARENT RESISTIVITY



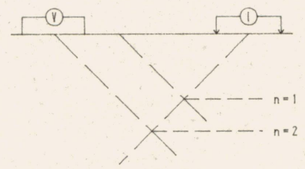

APPARENT CHARGEABILITY

Scale 1:2500

25 0 25 50 75 100 125
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervels:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# FRENCH GULCH GRID

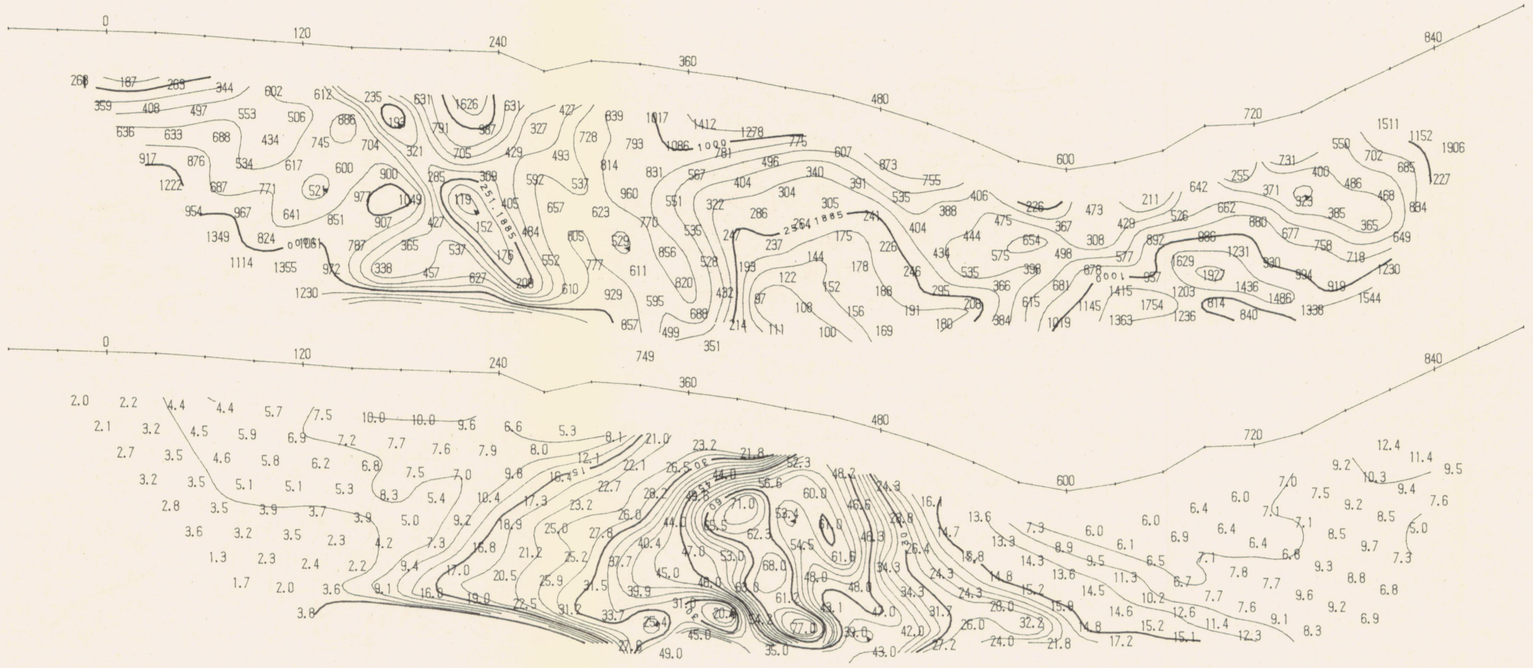
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 2+55S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 5/ |

237

Survey Direction: 84 degrees N.E.




APPARENT RESISTIVITY




APPARENT CHARGEABILITY

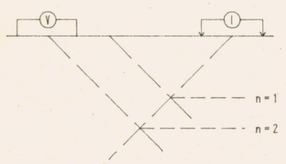
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

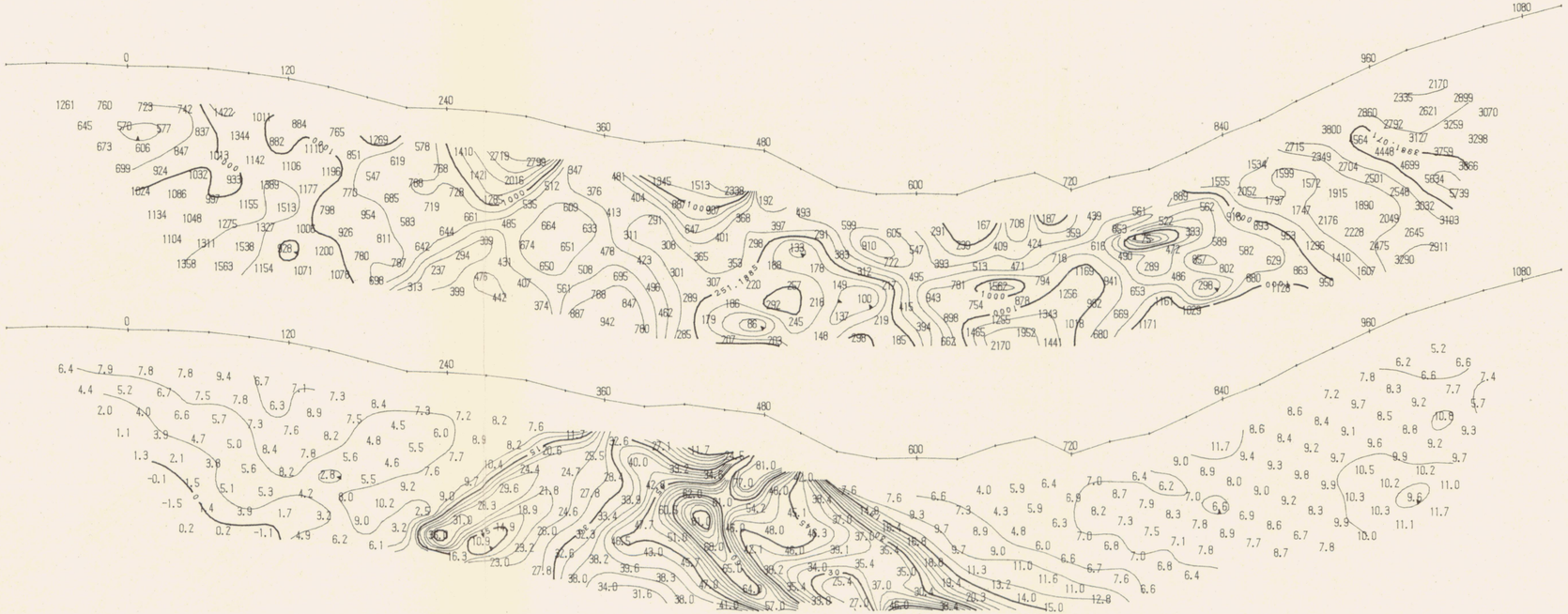
# FRENCH GULCH GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 4+25S(Fr999)

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 52 |

Survey Direction: 80 degrees N.E.



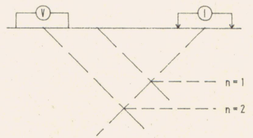

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

INSTRUMENTATION

Receiver: Huntec Model MK IV
Transmitter/Generator: Huntec Model MK IV
7.5 kWatt

SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

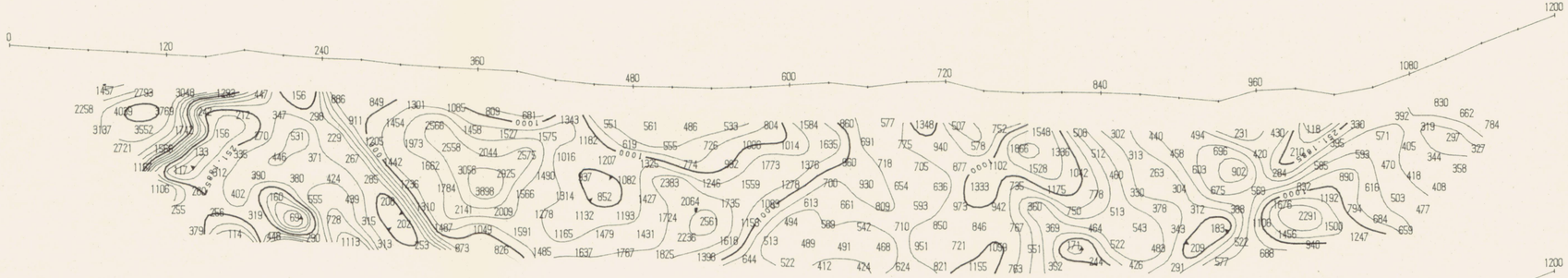
# FRENCH GULCH GRID

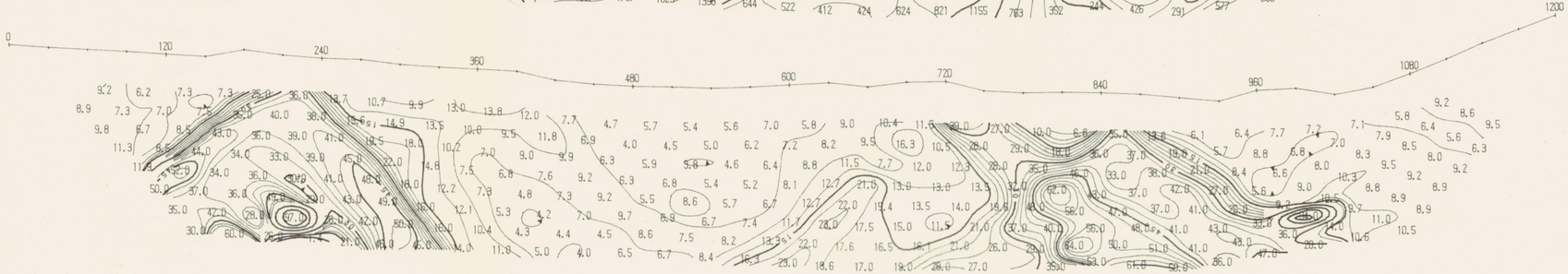
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 5+40S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 53 |

Survey Direction: 80 degrees N.E.



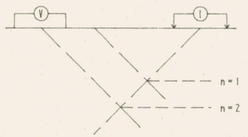

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 Feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

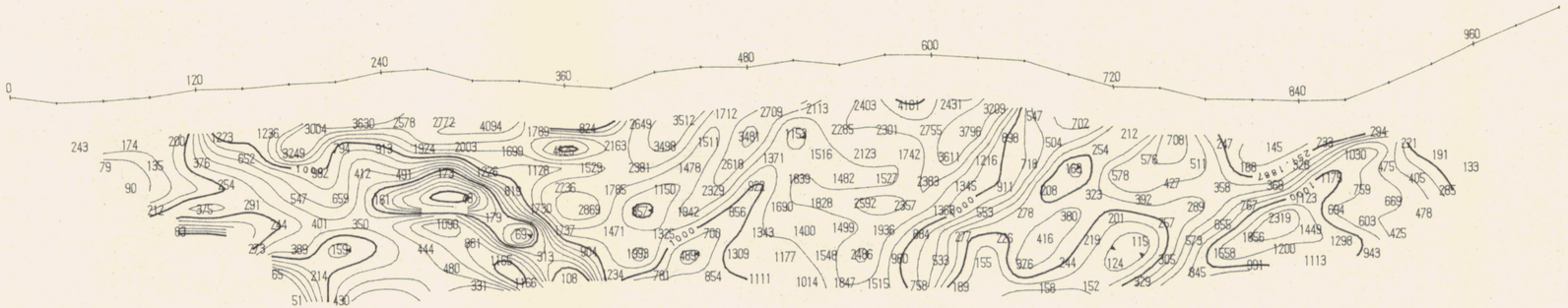
# FRENCH GULCH GRID

DAWSON CITY, YUKON

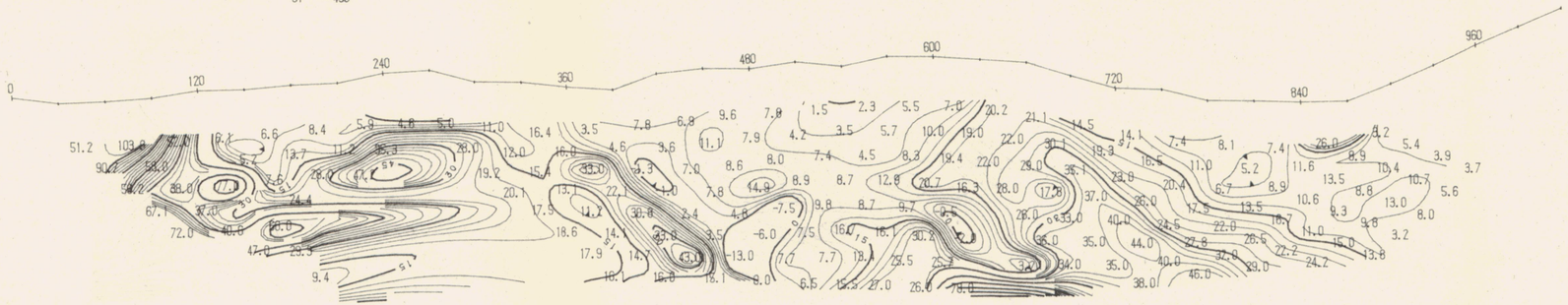
APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 6+80S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 54 |

Survey Direction: 77 degrees N.E.




APPARENT RESISTIVITY




APPARENT CHARGEABILITY

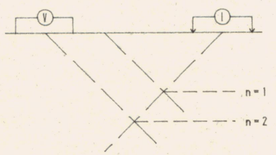
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

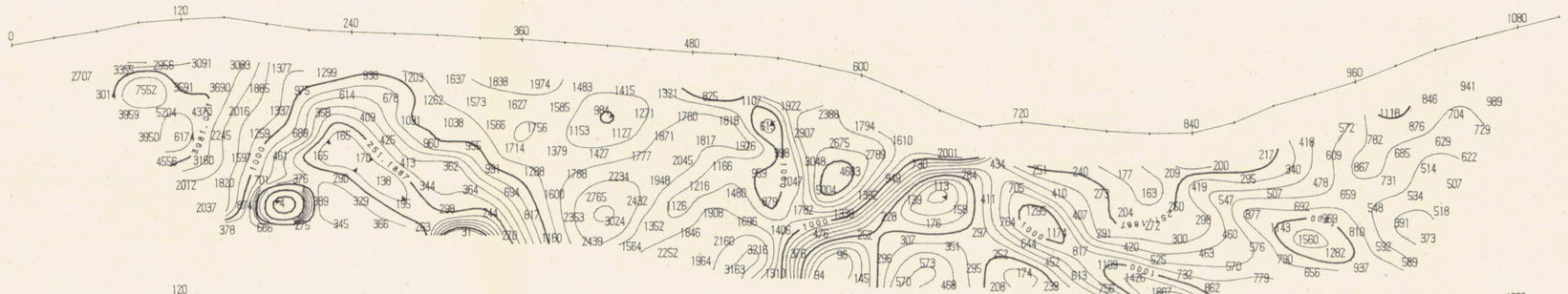
# FRENCH GULCH GRID

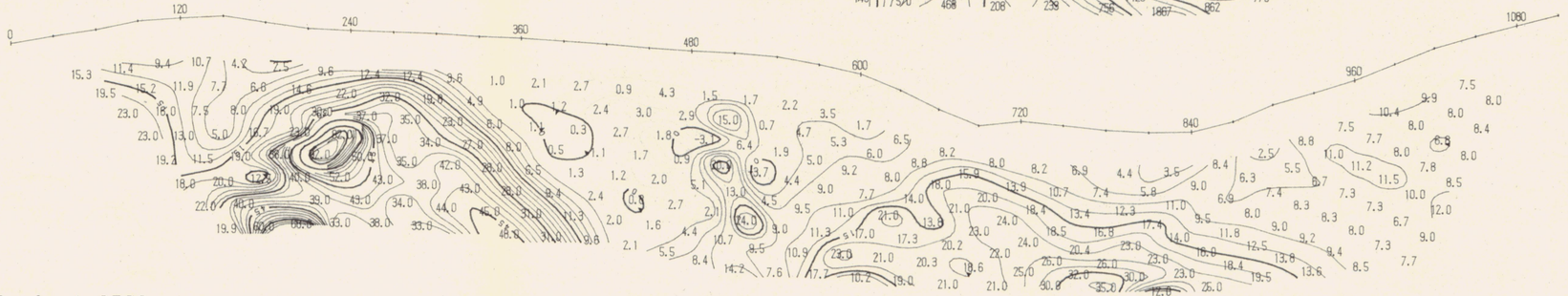
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 7+35S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 55 |

Survey Direction: 80 degrees N.E.



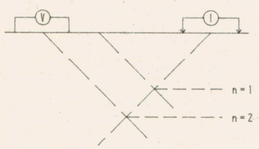




Scale 1:2500

25 0 25 50 75 100 125
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

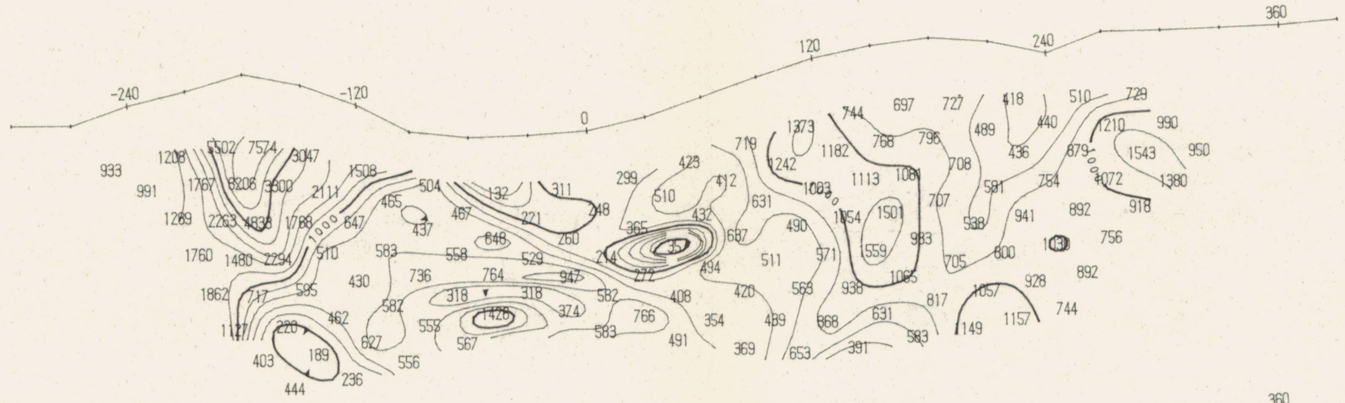
# FRENCH GULCH GRID

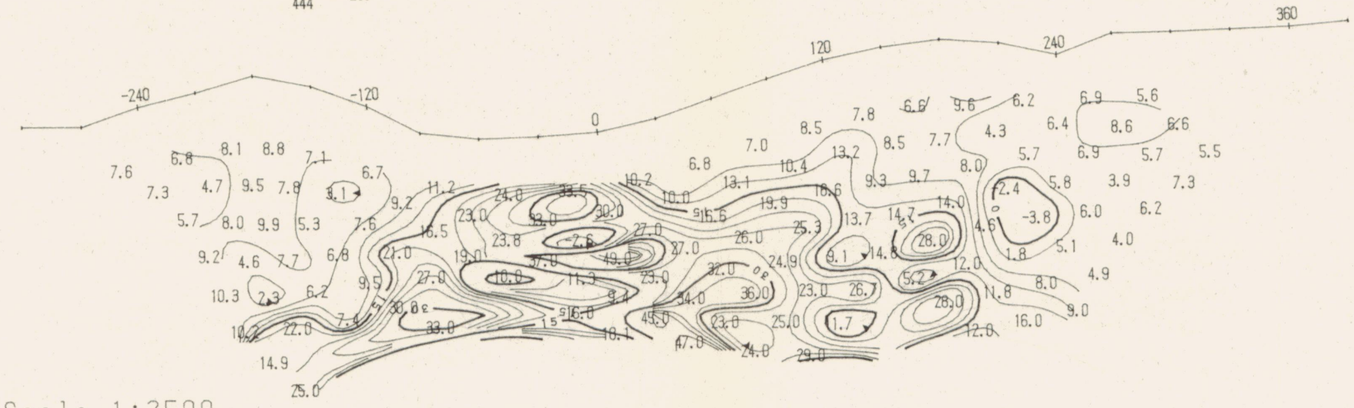
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 8+55S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 56 |

Survey Direction: 80 degrees N.E.



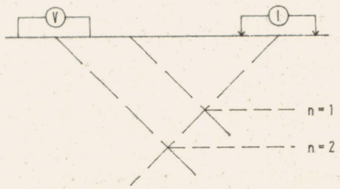




Scale 1:2500

25 0 25 50 75 100 125
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

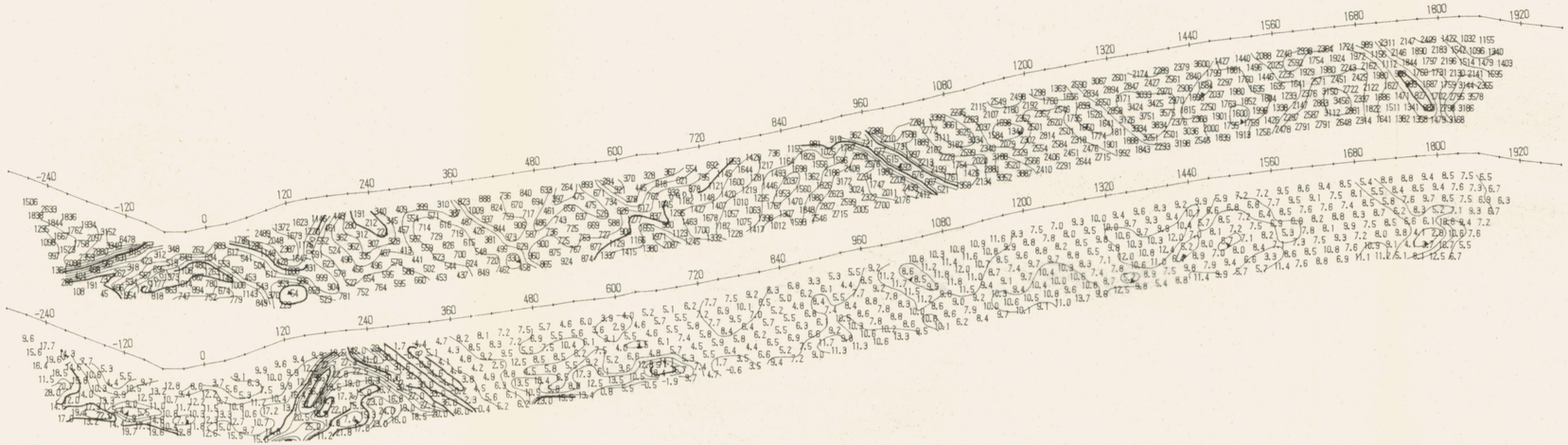
# ORO GRANDE GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 49+70S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 63 |

Survey Direction: 80 degrees N.E.



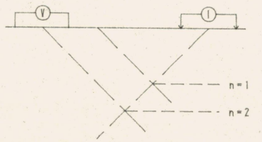

Scale 1:5000

50 0 50 100 150 200 250

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

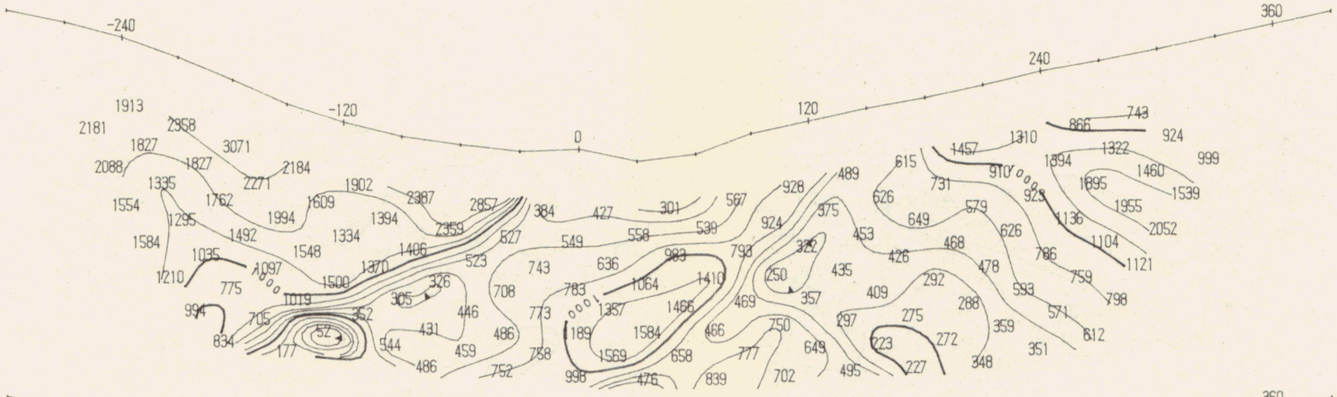
# ORO GRANDE GRID

DAWSON CITY, YUKON

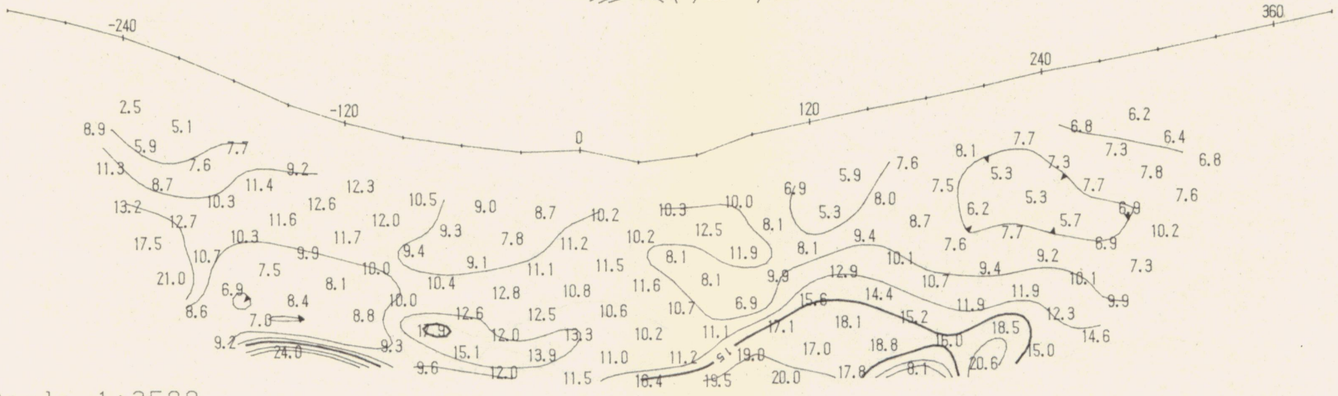
APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 52+50S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-O-14 | 1:5000 | Sept/90 | 64 |

Survey Direction: 80 degrees N.E.




APPARENT RESISTIVITY




APPARENT CHARGEABILITY

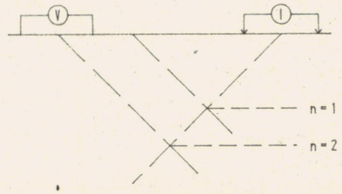
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK-IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

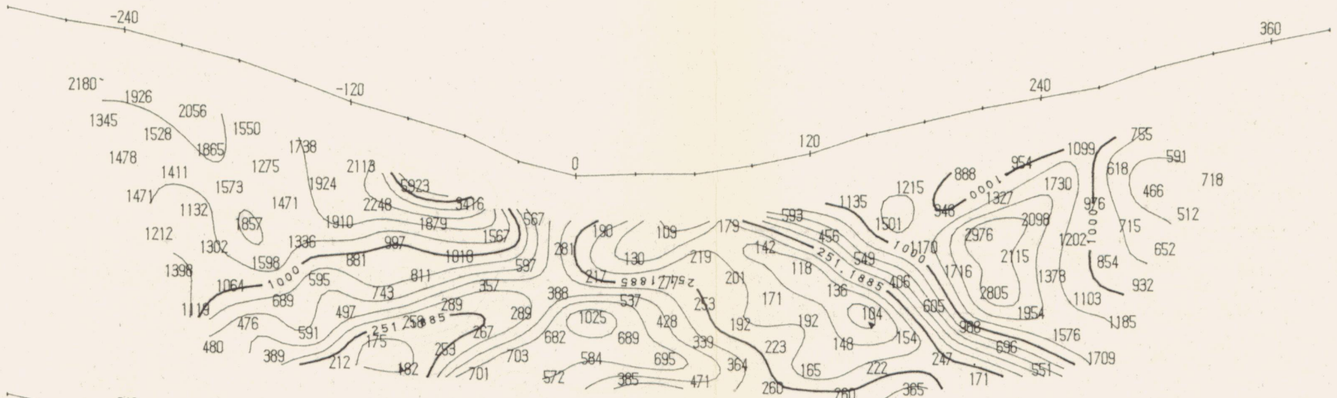
# ORO GRANDE GRID

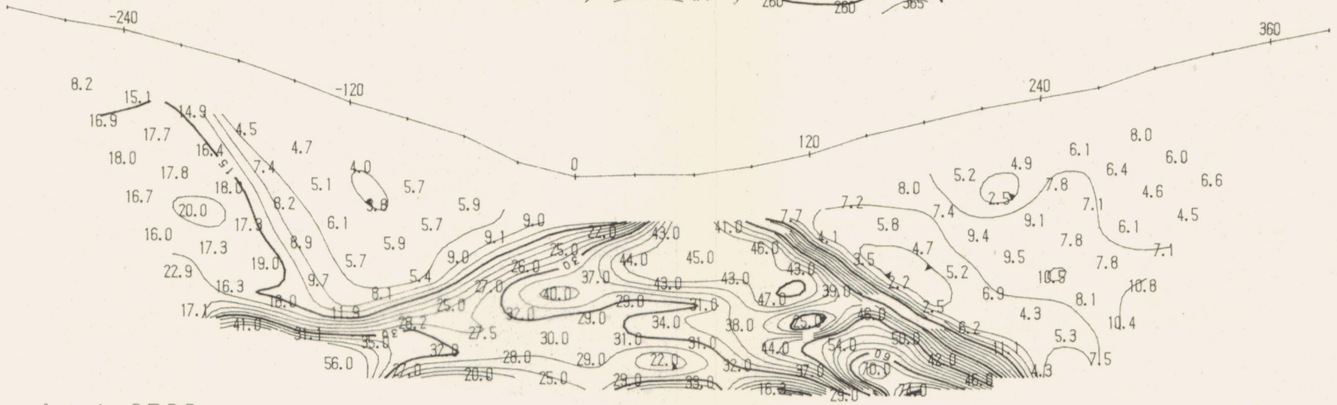
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 54+50S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 65 |

Survey Direction: 80 degrees N.E.



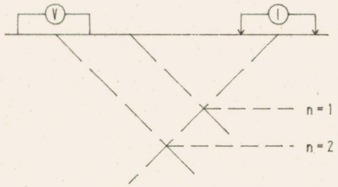

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# ORO GRANDE GRID

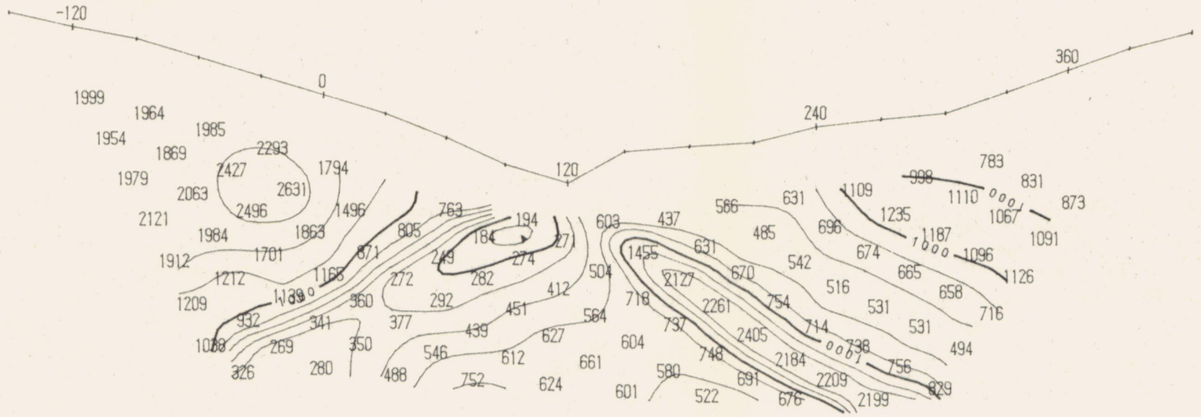
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 56+40S

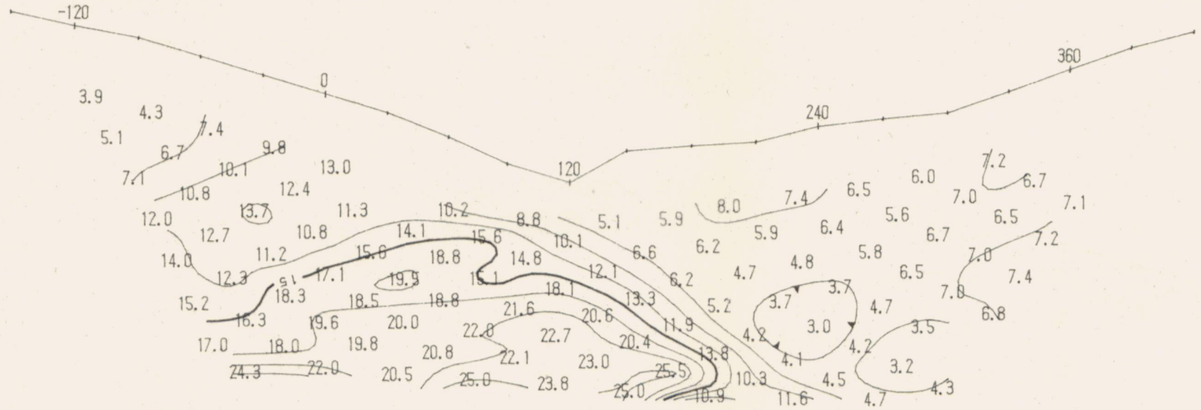
| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 66 |

Survey Direction: 76 degrees N.E.

APPARENT RESISTIVITY




APPARENT CHARGEABILITY



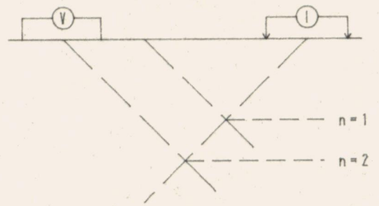

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

## Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

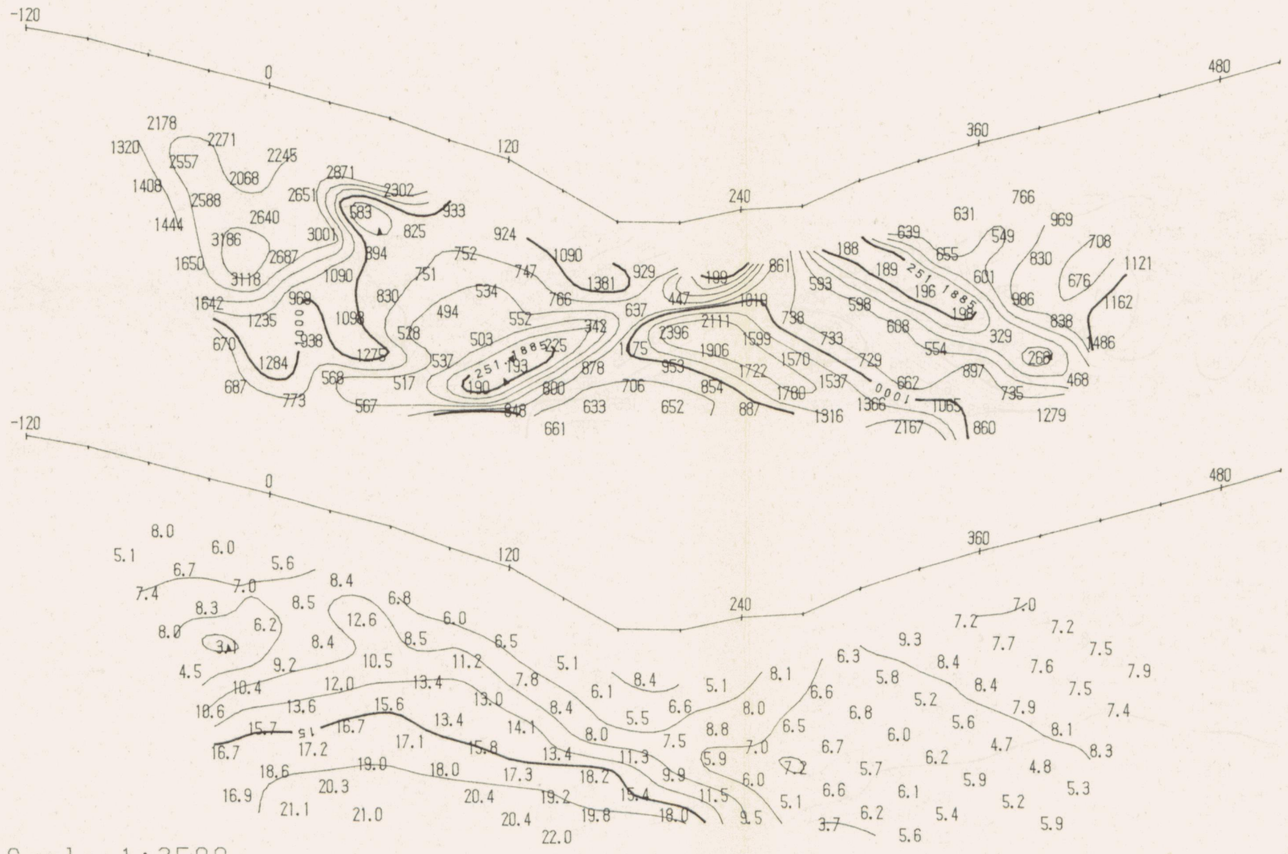
# GAY GULCH GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 2+20N

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 67 |

Survey Direction: 76 degrees N.E.




APPARENT RESISTIVITY




APPARENT CHARGEABILITY

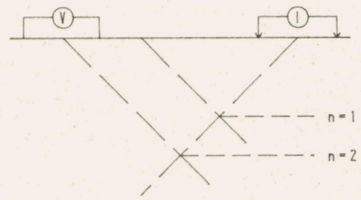
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

## Pseudosection Plotting Method




## LEGEND

Contour Intervels:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

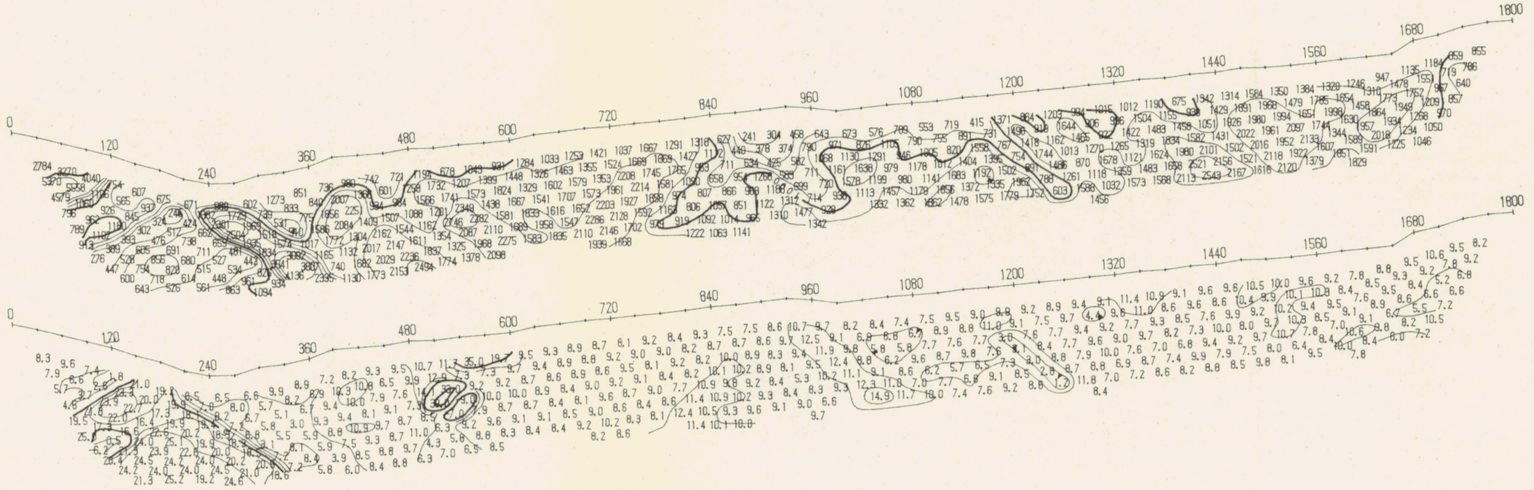
# GAY GULCH GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 1+20N

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | 68 |

Survey Direction: 77 degrees N.E.




APPARENT RESISTIVITY




APPARENT CHARGEABILITY

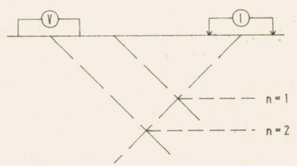
Scale 1:5000

50 0 50 100 150 200 250

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds
Survey Mode: Time Domain
Array: Double-Dipole
Dipole Length: 100 feet(30 metres)
Dipole separation: n=1 to 8

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

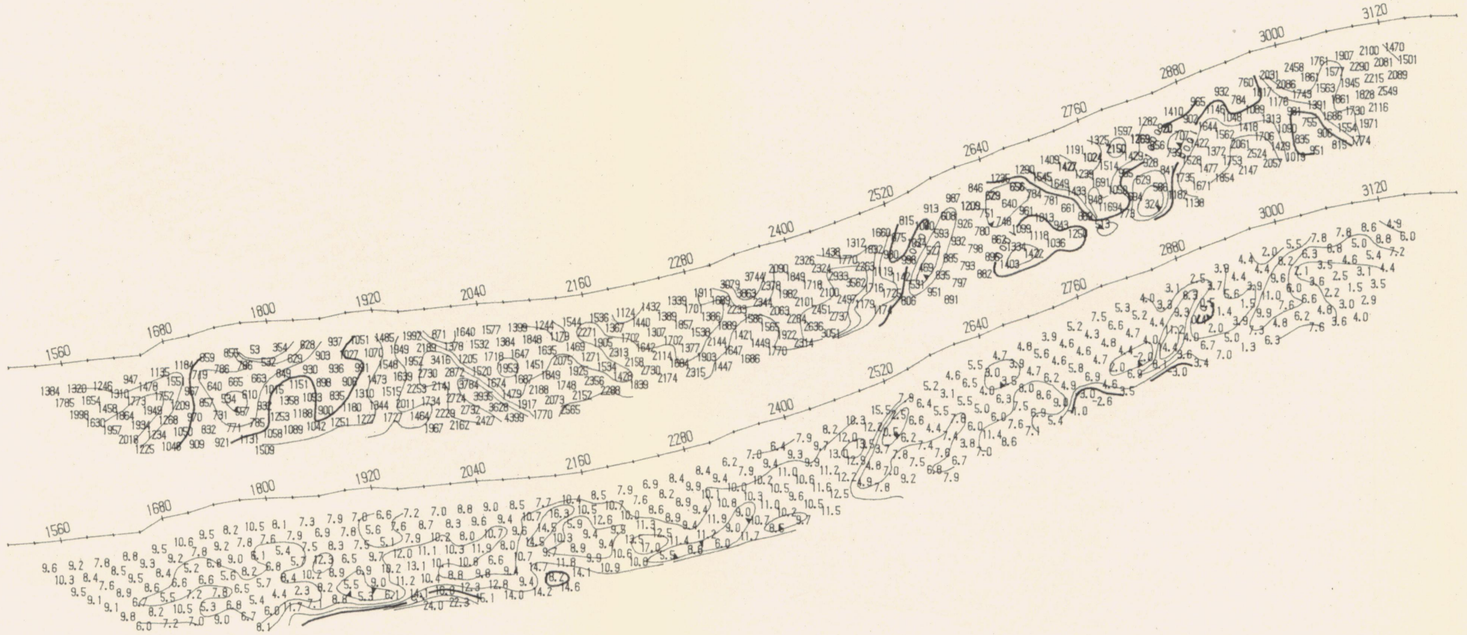
# GAY GULCH GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 0+00(W)

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-O-14 | 1:5000 | Sept/90 | 69(a) |

Survey Direction: 77 degrees N.E.

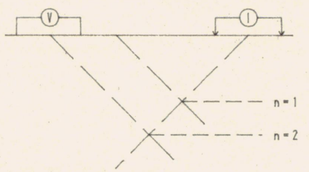



Scale 1:5000

50 0 50 100 150 200 250
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# GAY GULCH GRID

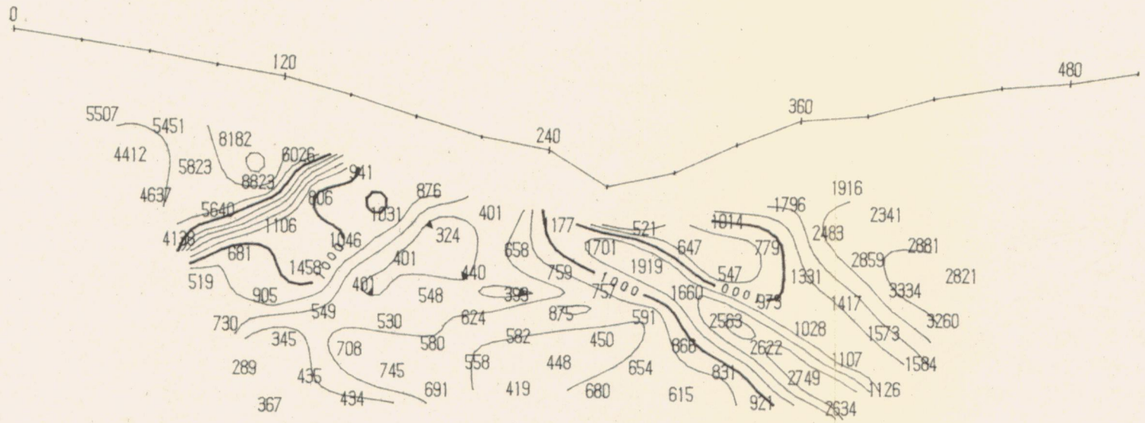
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 0+00(E)

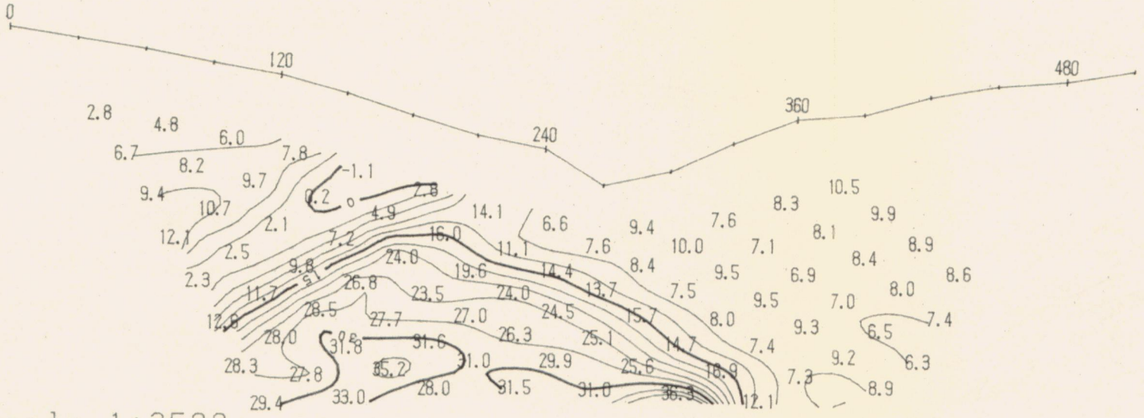
| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-O-14 | 1:5000 | Sept/90 | 69(6) |

Survey Direction: 76 degrees N.E.

APPARENT RESISTIVITY




APPARENT CHARGEABILITY

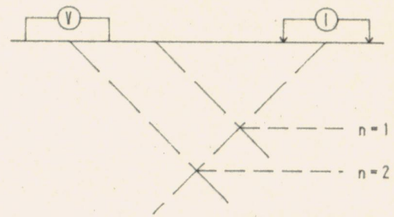



Scale 1:2500

25 0 25 50 75 100 125
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

## Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# GAY GULCH GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 1+01S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-0-14 | 1:2500 | Sept/90 | 70 |

TO DAWSON CITY

BONANZA

ELDO-444

GAUVIN GULCH

HOMESTAKE

GULCH

McKAY

IRISH GULCH GRID

L12+30S
L13+30S
L14+30S
3+00W
3+80E

IRISH GULCH

RON

FRENCH GULCH GRID

2+60S
L2+55S
L4+25S
L5+40S
L7+55S
L8+55S
0+00
0+60N
0+90W
300+6
11+10E
10+10E
1+50E
L3+60E
FRENCH L6+80S
graphitic zones
faults

RJ

CIM

McKAY O'NEIL GRID

6+60N
4+60N
L1+00S
2+60S
2+40S
3+00S
L1+00W
L1+00E
L2+00E
L0+00

GULCH

DE

O'NEIL

DN

L3+80E
L4+80E
4+00N
3+60N
7 PUP
6+30E
L0+00
7-PUP GRID
2+40S
2+30S
VICTORIA

LONE STAR GRID

6+30W
L0+50N
L0+00
L1+10S
1+50W
2+10E
5+10E

LEGEND

ROAD
TEMPORARY ROAD
RIVER
I.P. LINE
TRENCH
BUILDING

SCALE 1:10,000
0 100 200 300 400 500
METRES

ELDORADO

GRANDE

ORO GRANDE GRID

ORO
3+90E
L48+70S
L52+50S
L54+50S
L56+40S
3+00W
4+20E
5+10E
1+50W
L2+20N
L1+20W
L0+00
L1+00S
0+00

GAY GULCH GRID

GAY
CREEK

DN

19+80E

LOT 104

32+10E

GULCH

ND

NUGGET

DWG 234A

DRAFT

ARBOR RESOURCES INC.

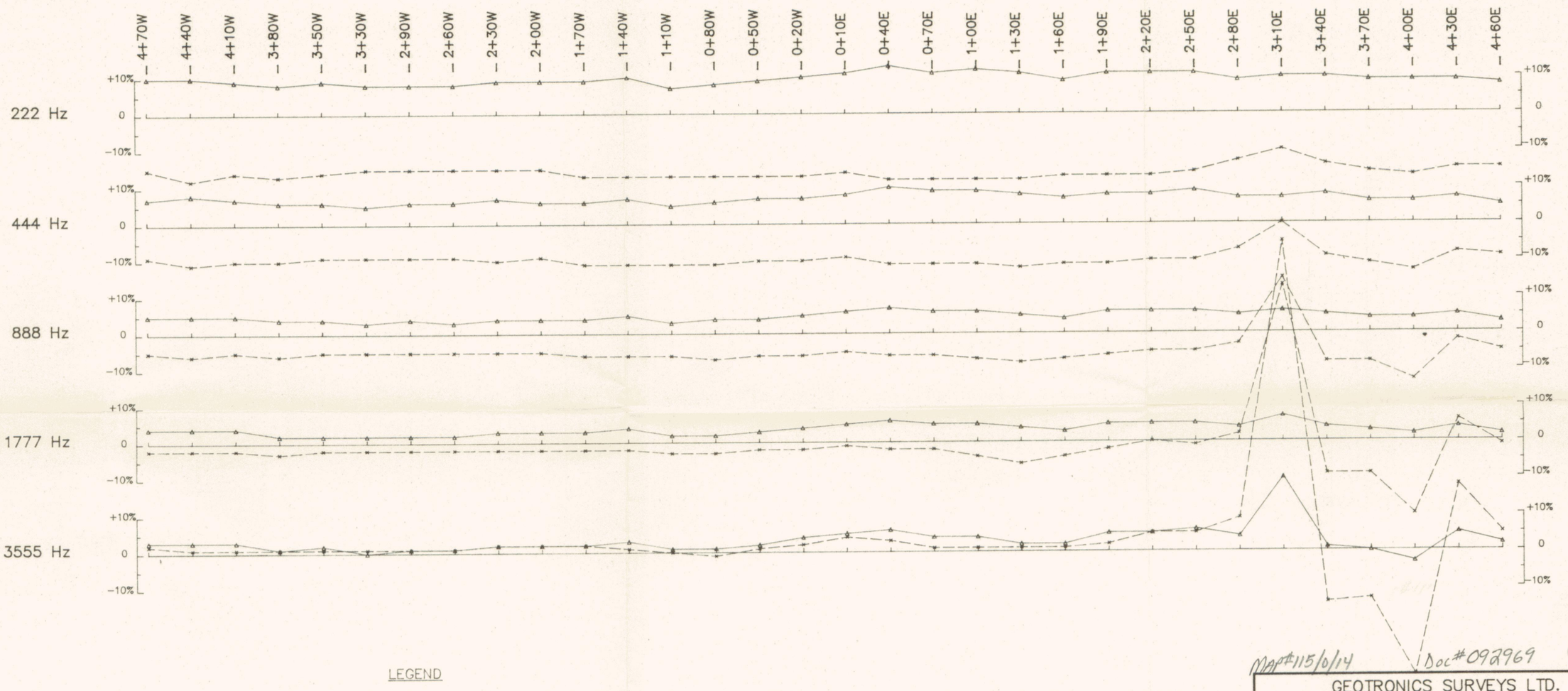
LONE STAR PROPERTY
DAWSON MINING DISTRICT, Y.T.

# 1990 GEOPHYSICAL COMPILATION MAP

092969

BY: D.M./p.s.
DATE: APRIL, 1991

MAP #4




LEGEND

% OUT-OF-PHASE
% IN-PHASE

+10% / 0 / -10% — Percent deviation from normal field

0 100 200 300 400 metres

INTSTRUMENTATION: Apex Parametrics MAX MIN II
COIL SPACING: 100 metres

TO ACCOMPANY GEOPHYSICAL REPORT BY DAVID G. MARK, GEOPHYSICIST, DATED MARCH 19, 1991

Map#115/0/14 Doc#092969 (84)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

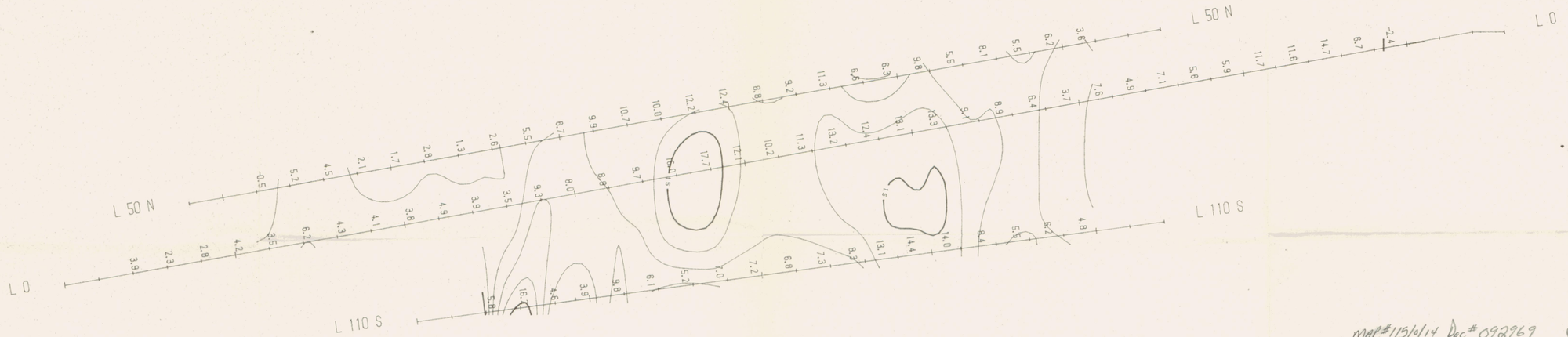
# LONESTAR GRID

BOULDER LODE, DAWSON CITY AREA
DAWSON M.D., Y.T.

## HORIZONTAL LOOP EM
## Profiles — 0+00S

| Drawn by: | Date: | Job No. | Scale: | Map No. |
|---|---|---|---|---|
| Geo-Comp | Mar.'91 | 90-07 | Vert. 1cm=10% Horiz. 1:2,500 | 4 |

Geo-Comp Drawing File: LONE/0S




Scale 1:2500

25 0 25 50 75 100 125

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

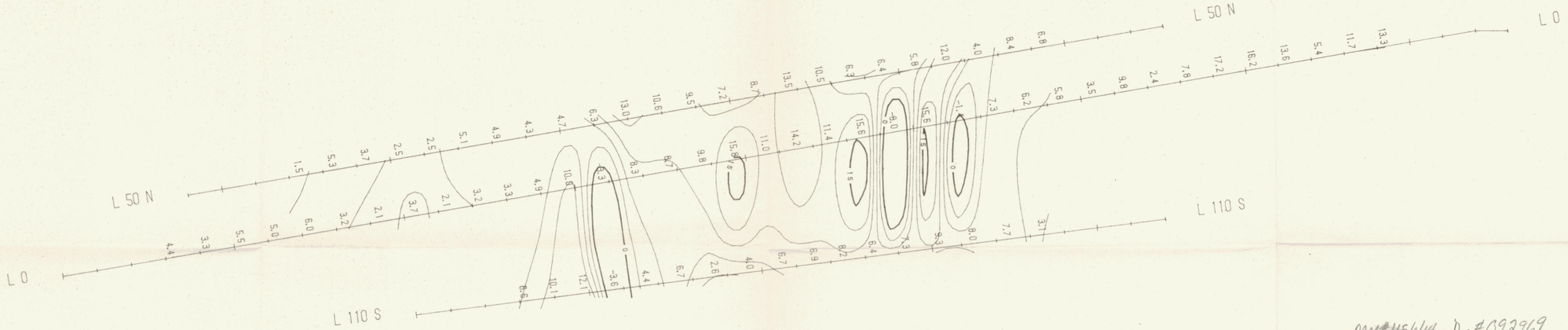
MAP #115/0/14 Doc #092969 (75)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# LONESTAR GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
## Data and Contours
## For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | LS-5 |




Scale 1:2500

25 0 25 50 75 100 125

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

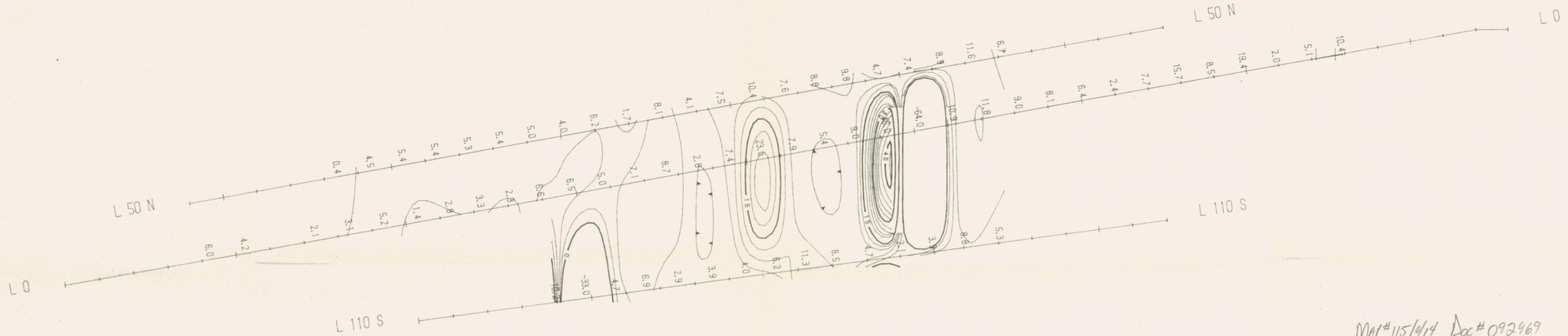
Map #115/0/14 Doc #092769 (76)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# LONESTAR GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
## Data and Contours
## For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | L 5-6 |




Scale 1:2500

25 0 25 50 75 100 125

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

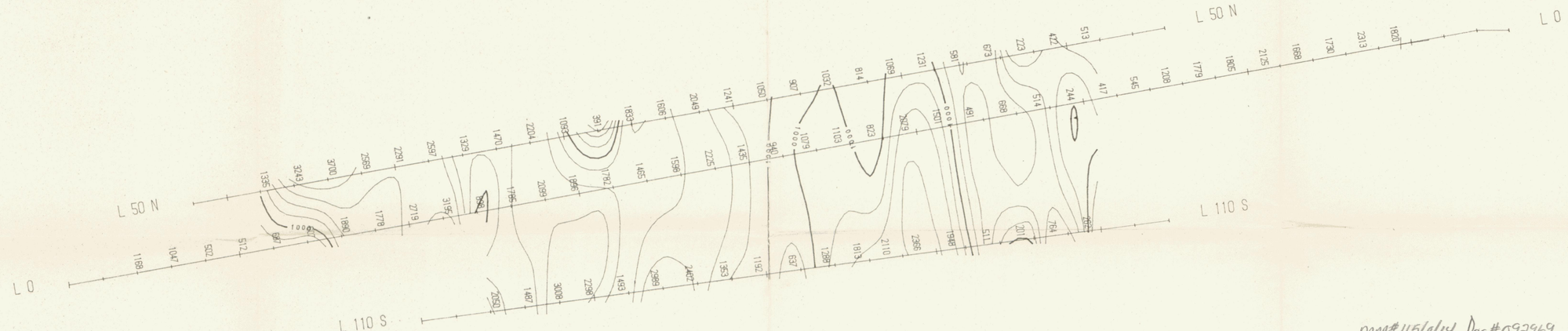
MAP #115/6/14 Doc #092469 (77)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# LONESTAR GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
Data and Contours
For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | LS-7 |




Scale 1:2500

25 0 25 50 75 100 125

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

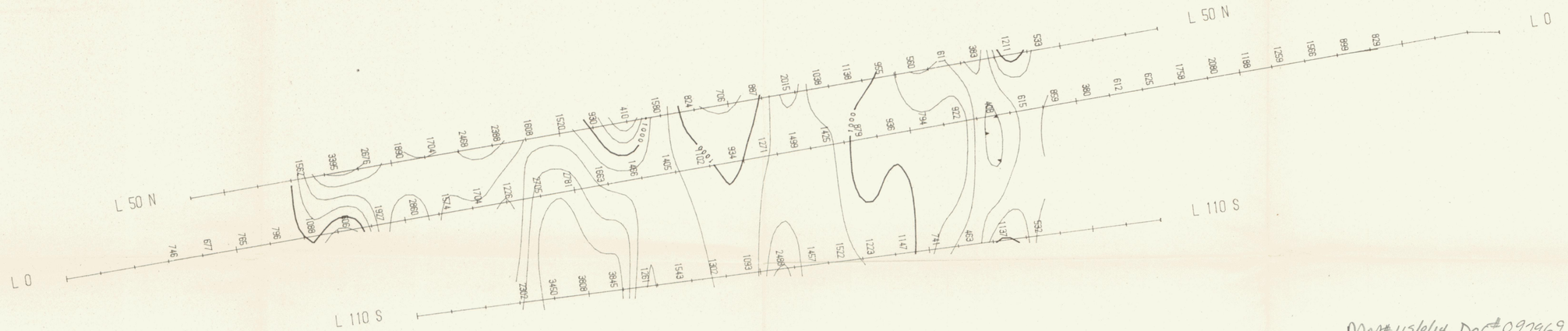
Map#115/0/14 Doc#092969 (78)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# LONESTAR GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
Data and Contours
For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | LS-8 |




Scale 1:2500

25 0 25 50 75 100 125

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

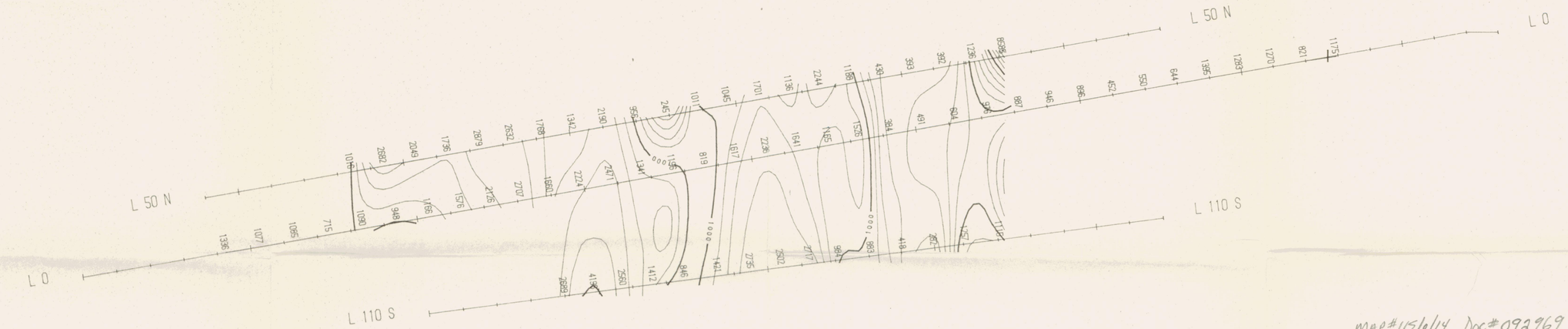
Map# 115/0/14 Doc# 092969 (79)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# LONESTAR GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
Data and Contours
For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | LS-9 |




Scale 1:2500

25 0 25 50 75 100 125

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

MAP#115/0/14 Doc#092969 (80)

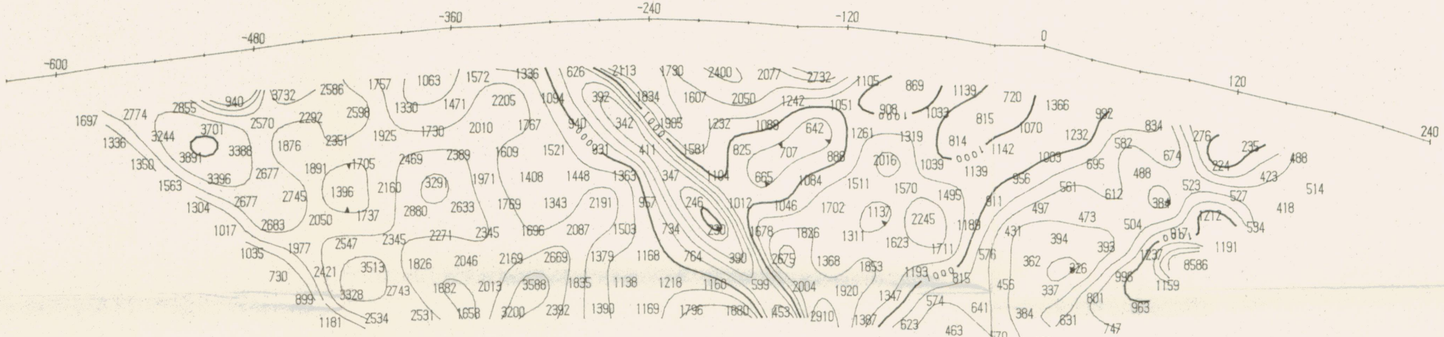
GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# LONESTAR GRID
## DAWSON CITY AREA

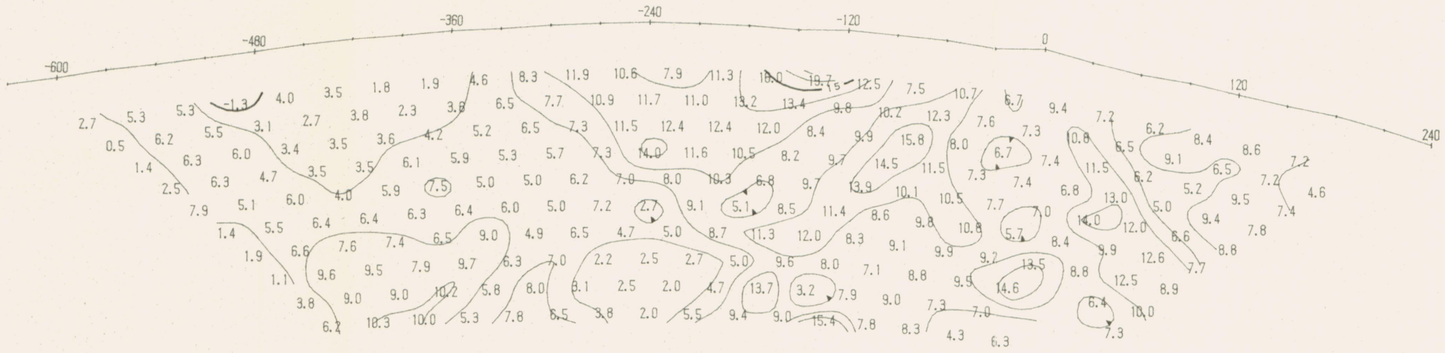
## Apparent RESISTIVITY Survey
Data and Contours
For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | LS-10 |

Survey Direction: 80 degrees N.E.




APPARENT RESISTIVITY



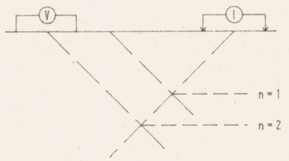

APPARENT CHARGEABILITY

Scale 1:2500

25 0 25 50 75 100 125
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 Feet(30 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

MAP #115/0/14 Doc # 092969 (61)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# LONESTAR GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 0+50N

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-0-14 | 1:2500 | Sept/90 | LS-11 |

Survey Direction: 80 degrees N.E.

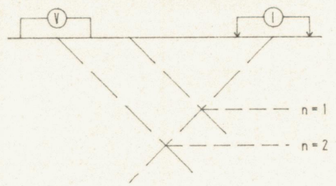
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

MAP #115/0/14 Doc #092969 (83)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# LONESTAR GRID

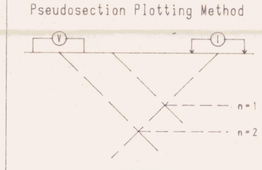
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 1+10S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | | 1:2500 | Sept/90 | L S-13 |

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 Feet(15 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

PROFILE LEGEND

VLF-EM Profile
Scale: 1 cm = 5%

DWG 127
Mar #115/6/H Doc #092969 (82)

GEOTRONICS SURVEYS LTD.

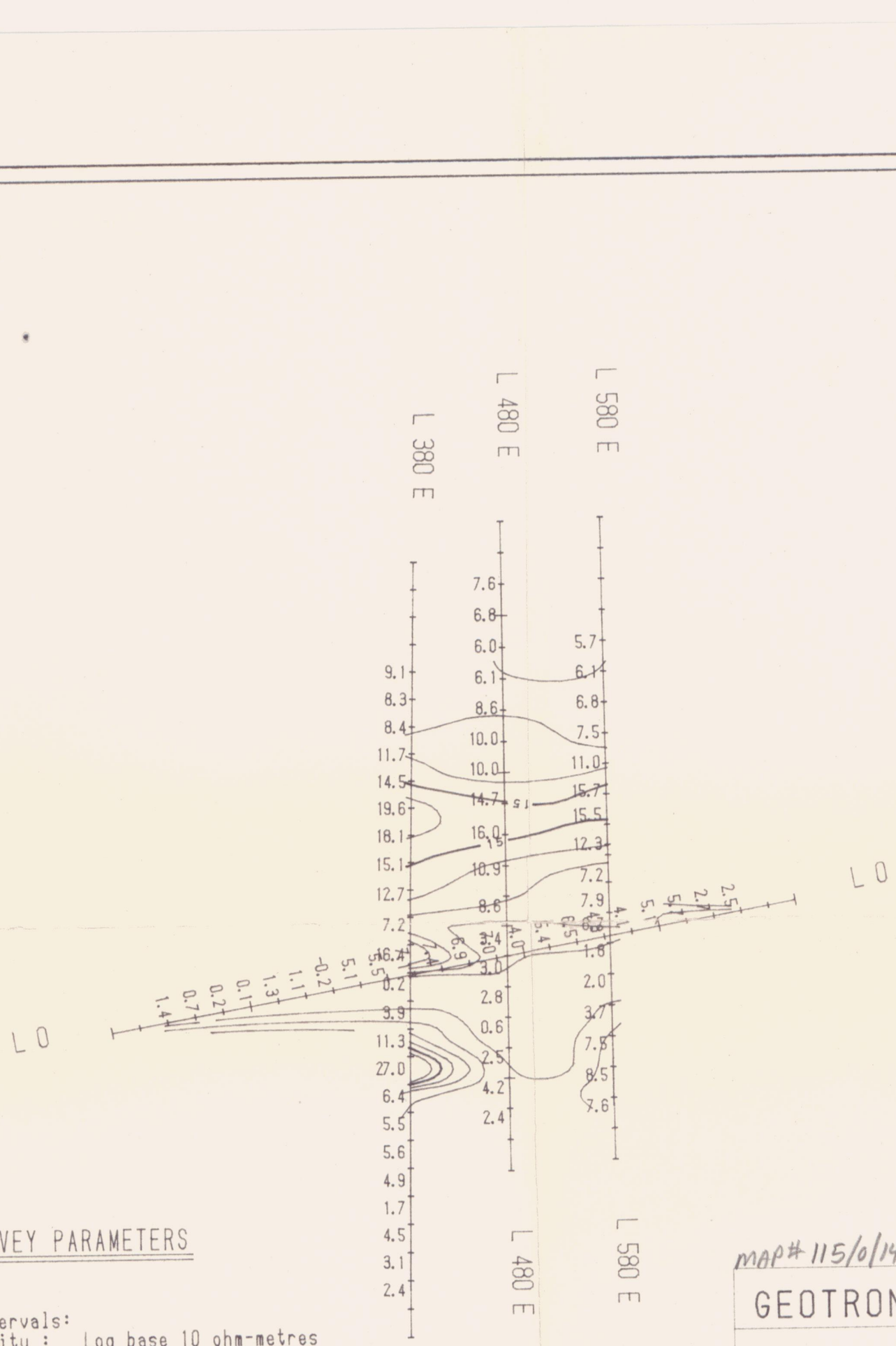
ARBOR RESOURCES INC.

# LONESTAR GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE BL000

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-O-14 | 1:2500 | Sept/90 | 2 S-12 |




## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Scale 1:5000

50 0 50 100 150 200 250
(metres)

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

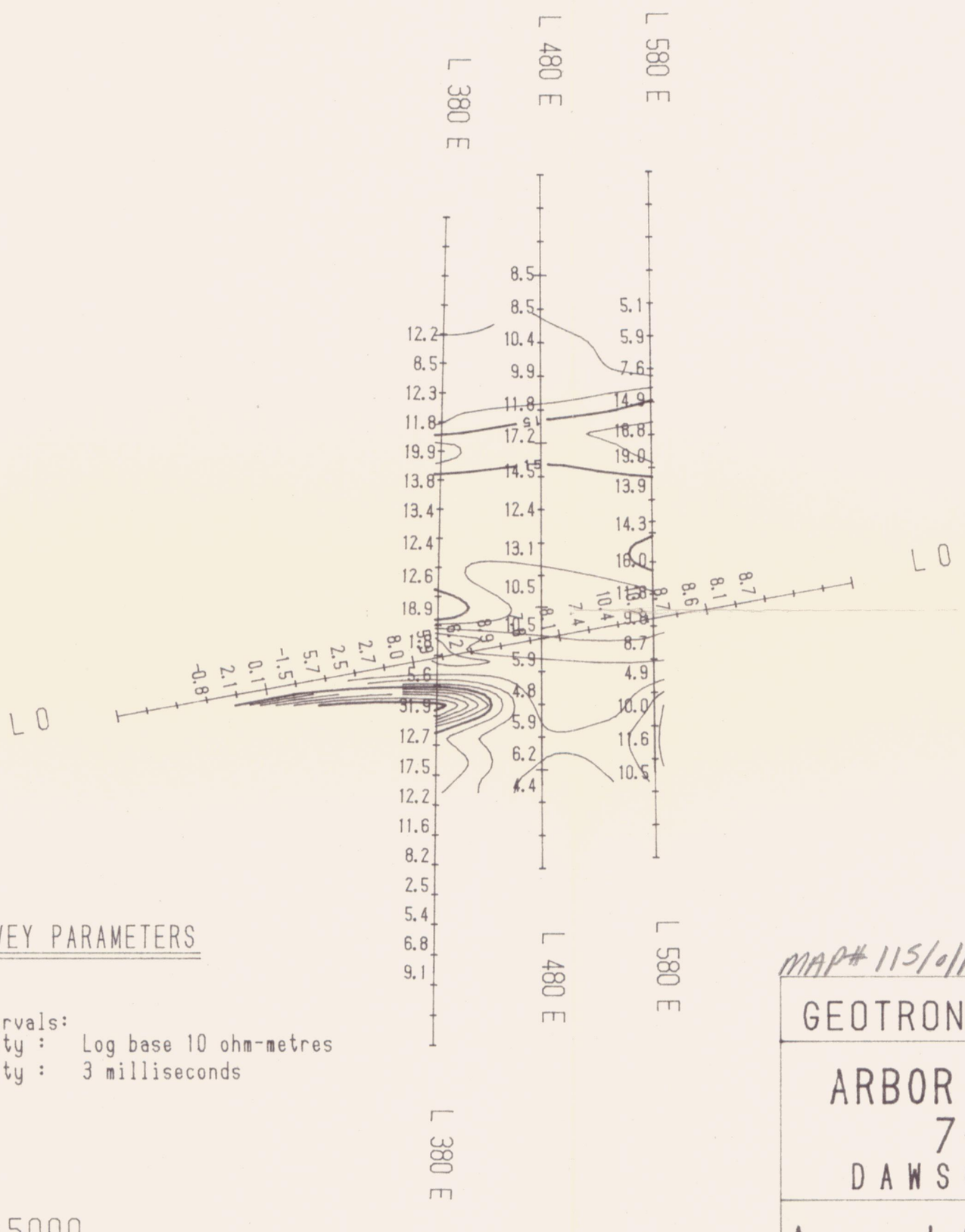
map# 115/0/14 Doc# 092969 (124)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# 7-PUP GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
## Data and Contours
## For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:5000 | Nov/90 | SP-5 |




N

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Scale 1:5000

50 0 50 100 150 200 250
(metres)

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990 .

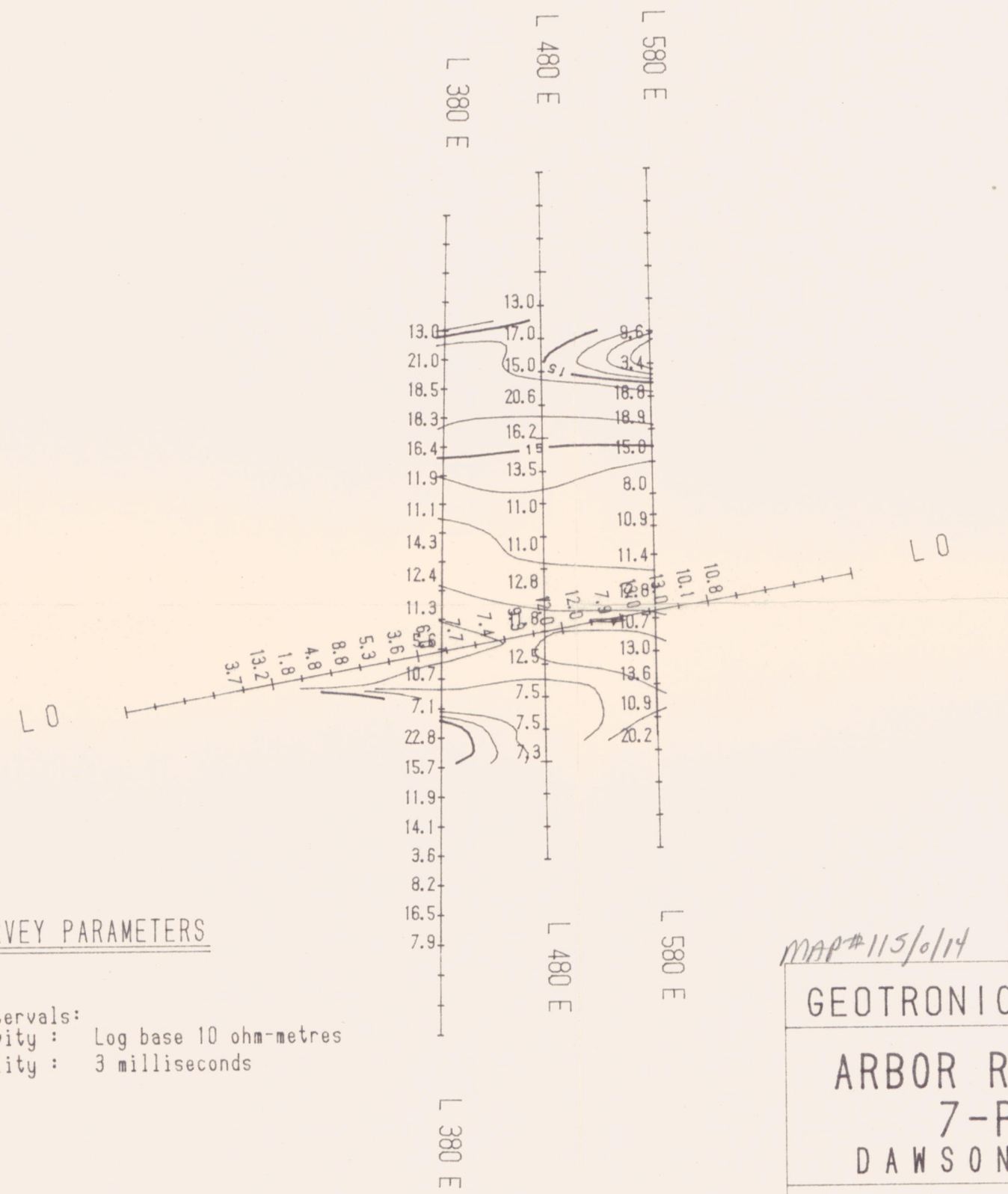
MAP# 115/0/14 Doc# 092969 (89)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# 7-PUP GRID
DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
Data and Contours
For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:5000 | Nov/90 | SP-6 |




## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Scale 1:5000

50 0 50 100 150 200 250
(metres)

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990 .

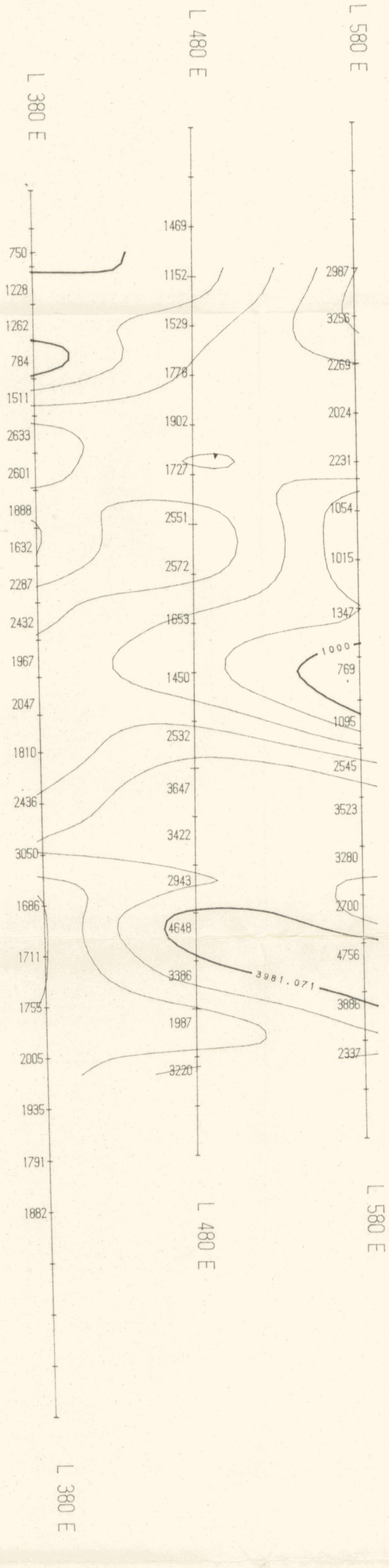
MAP#115/0/14 Doc# 092969 (90)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# 7-PUP GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
## Data and Contours
## For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:5000 | Nov/90 | SP-7 |




## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Scale 1:2500

25 0 25 50 75 100 125
(metres)

**Surveyed by GEOTRONICS SURVEYS LTD..**
**September 1990**

GEOTRONICS SURVEYS LTD.

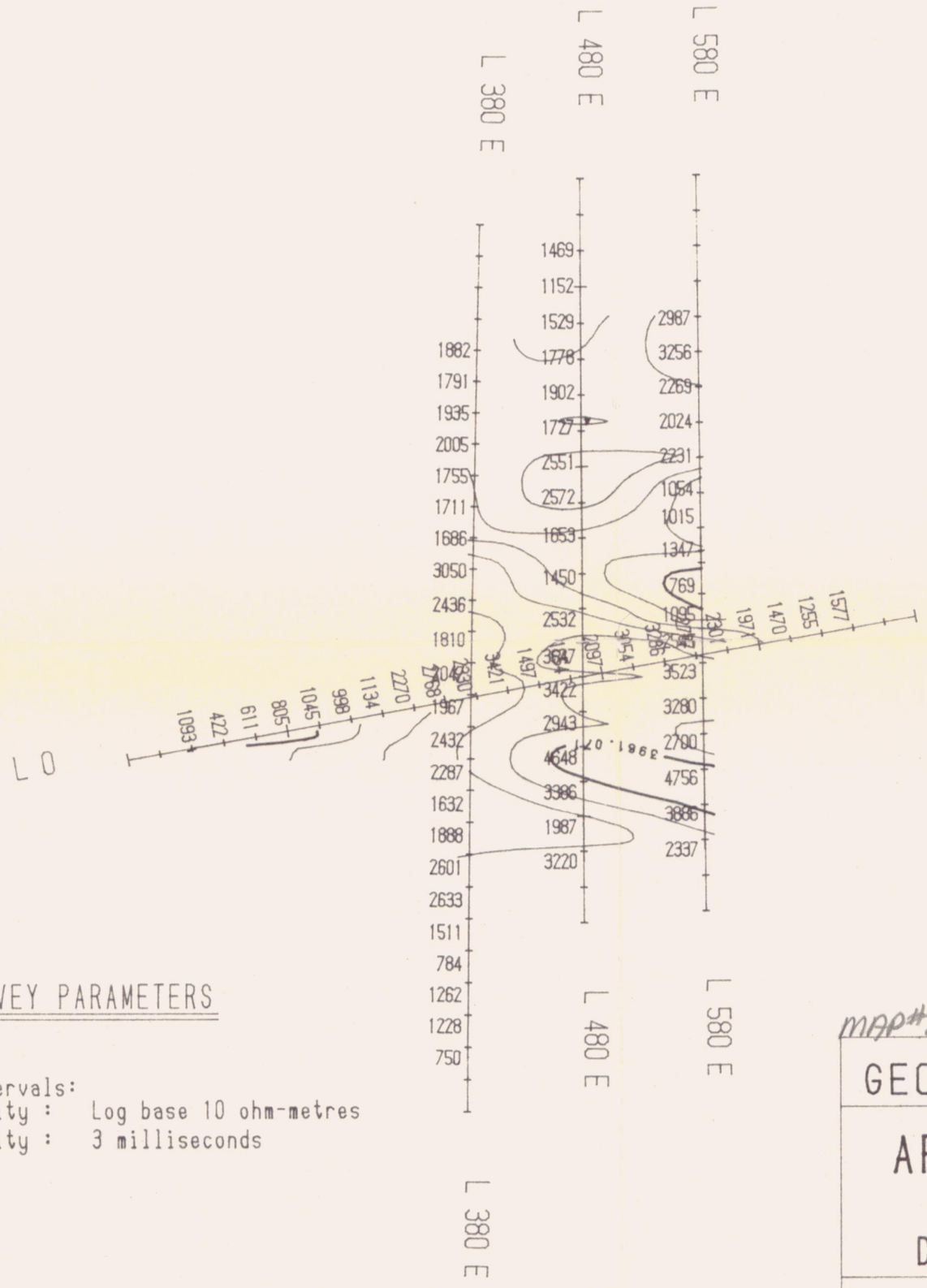
# ARBOR RESOURCES LTD
# 7-PUP GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | SP-8 |

MAP# 115/0/14 Doc#092969 (121)

7PUP – 17




## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Scale 1:5000

50 0 50 100 150 200 250
(metres)

**Surveyed by GEOTRONICS SURVEYS LTD..**
**September 1990 .**

MAP#115/0/14 Doc#092969 (128)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# 7-PUP GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:5000 | Nov/90 | SP-8 |

N

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Scale 1:5000

50 0 50 100 150 200 250
(metres)

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

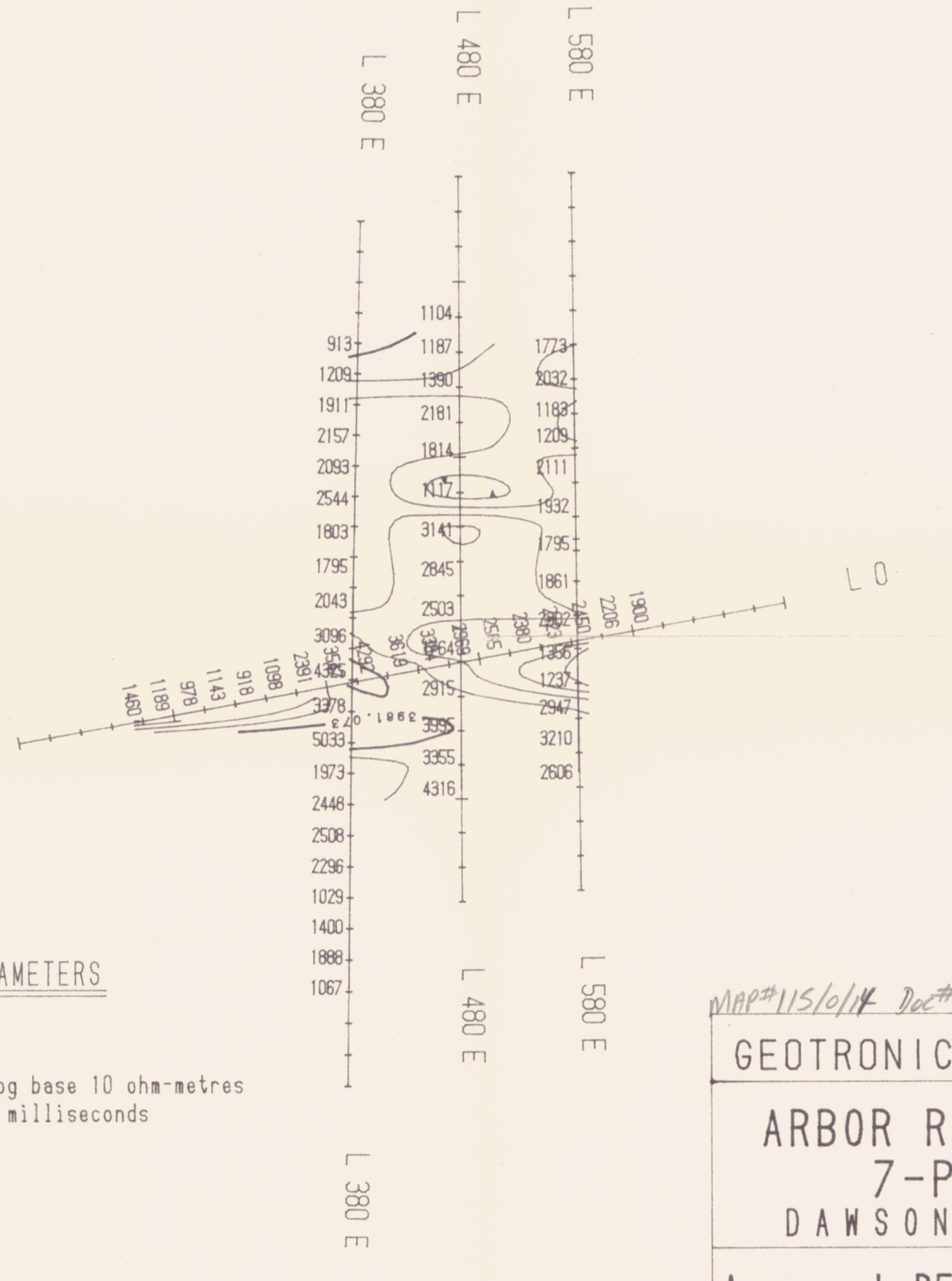
MAP# 115/0/14 Doc# 092969 (129)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# 7-PUP GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:5000 | Nov/90 | SP-7 |




## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Scale 1:5000

50 0 50 100 150 200 250
(metres)

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990 .

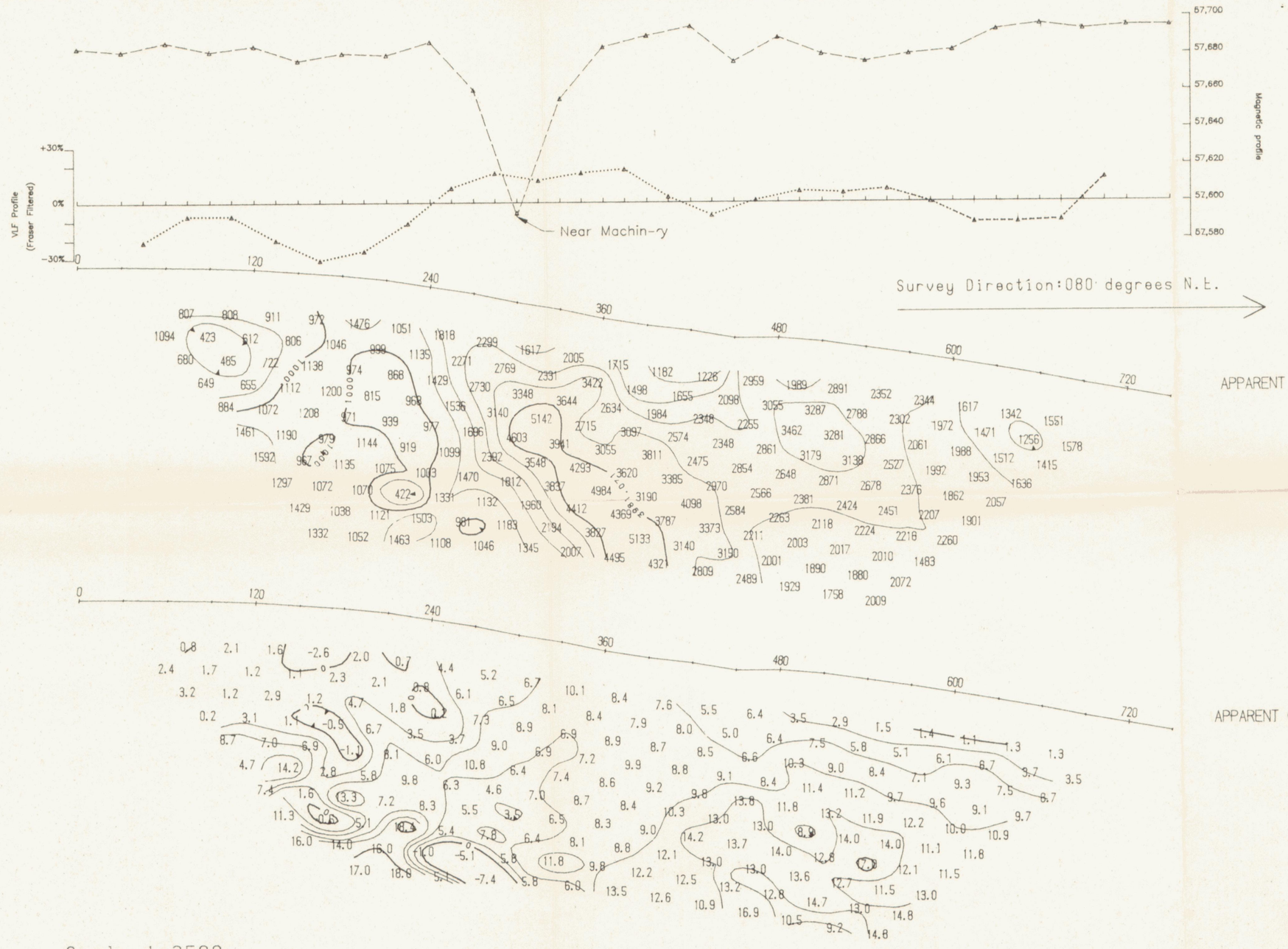
MAP# 115/0/14 Doc# 692469 (130)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# 7-PUP GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:5000 | Nov/90 | 5P-10 |

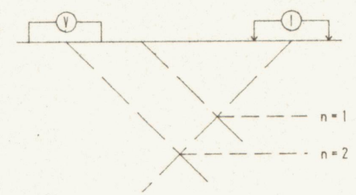



Scale 1:2500

25 0 25 50 75 100 125
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

## Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 Feet(15 metres) |
| Dipole seperation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

### PROFILE LEGEND

Magnetic profile
Scale: 1 cm = 20 gammas

VLF profile
Scale: 1 cm = 20% dip

MAP #115/0/14 Doc #092969 (131)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

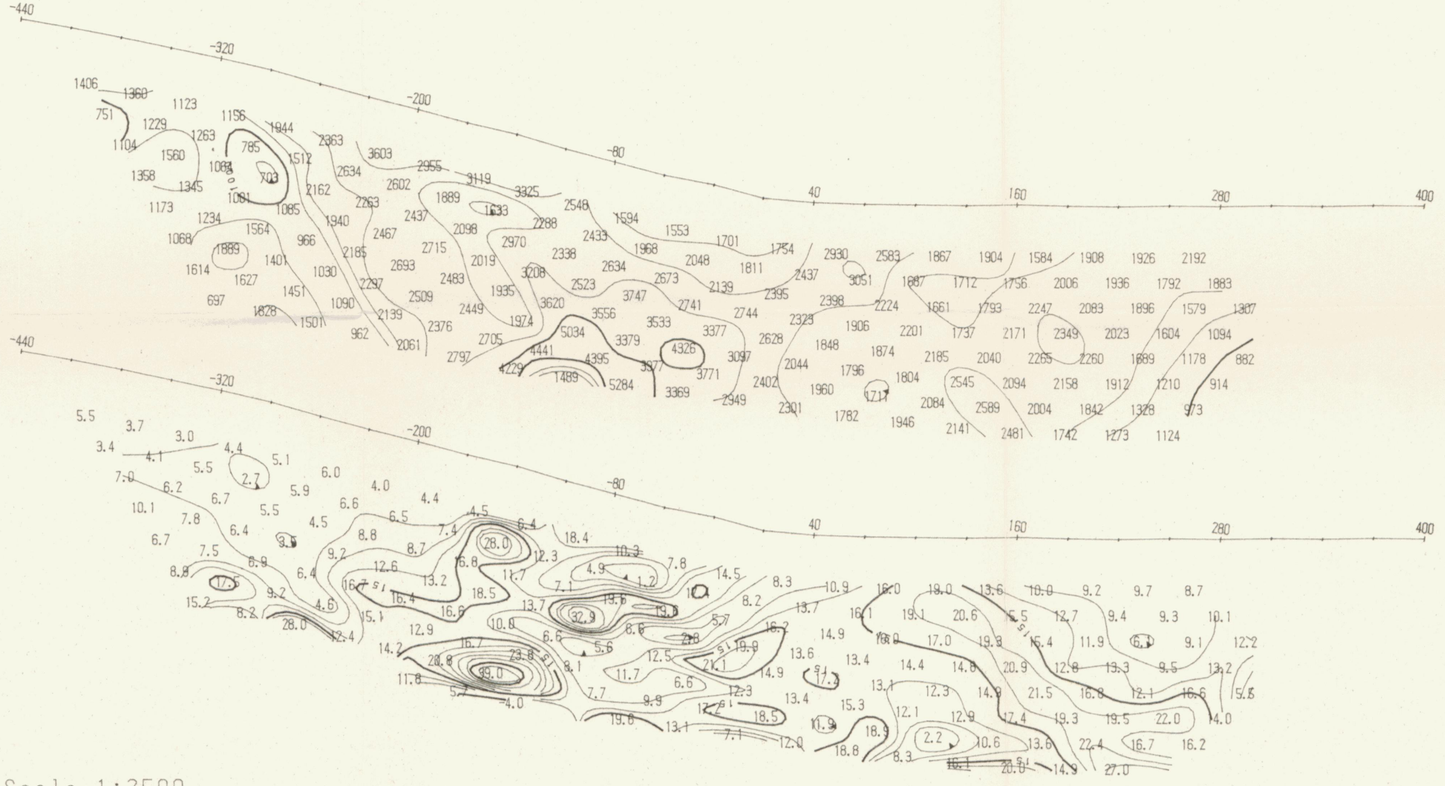
# 7-PUP GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 7-PUP(0+00)

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-0-14 | 1:2500 | Sept/90 | SP-11 |

Survey Direction: south

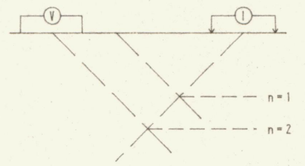



Scale 1:2500

25 0 25 50 75 100 125
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

MAP# 115/6/14 Doc# 092969 (135)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# 7-PUP GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 3+80E

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-0-14 | 1:2500 | Sept/90 | SP-12 |

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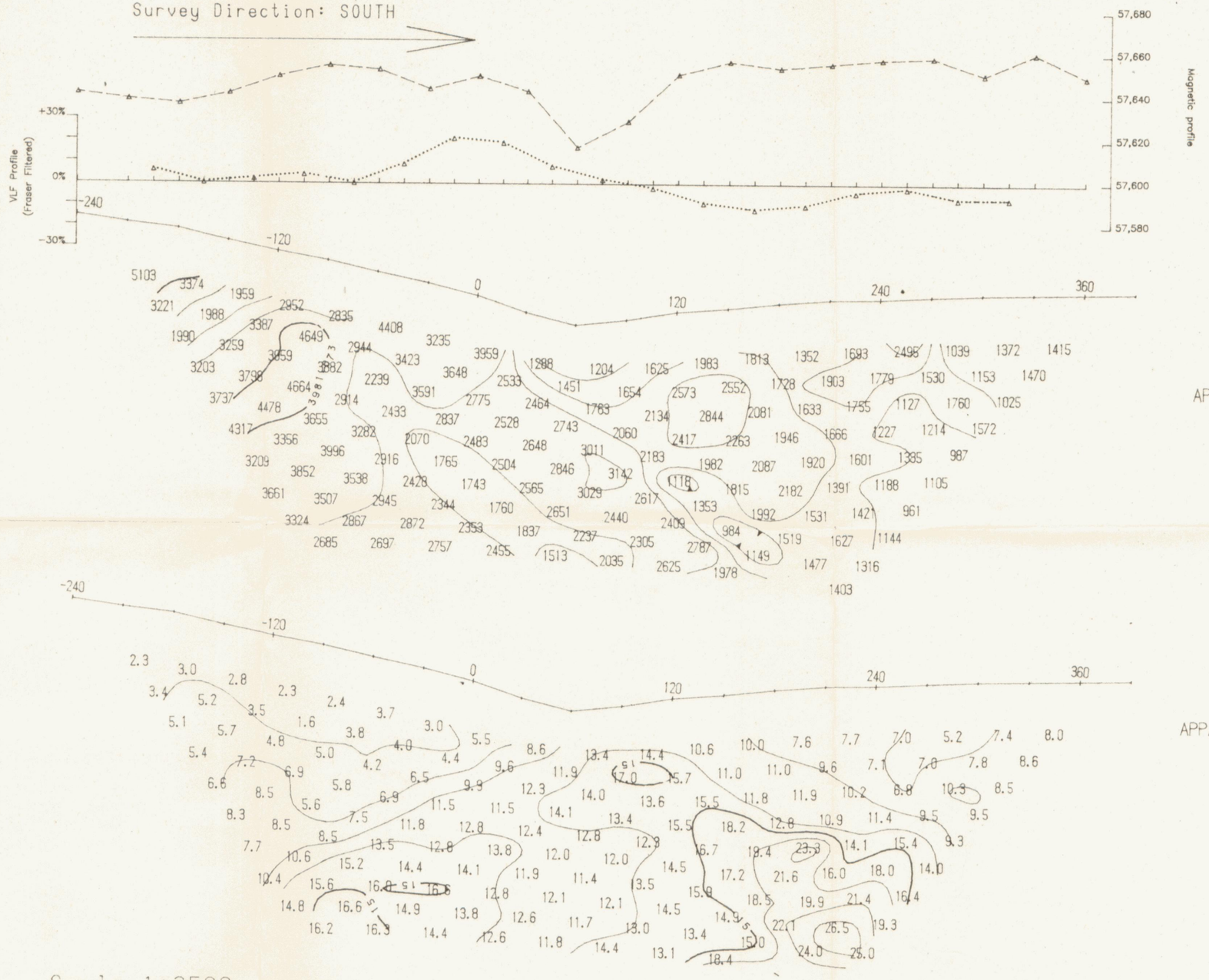
7PUP-21

Survey Direction: SOUTH




APPARENT RESISTIVITY



APPARENT CHAGEABILITY

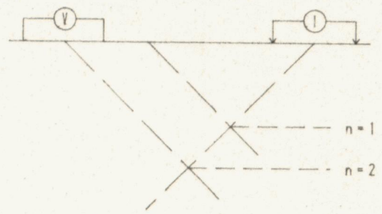
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

## Pseudosection Plotting Method




## LEGEND

Contour Intervels:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 Feet(15 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

### PROFILE LEGEND

Magnetic profile
Scale: 1 cm = 20 gammas

VLF profile
Scale: 1 cm = 20% dip

MAP# 115/0/14 Doc# 092969 (122)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# 7-PUP GRID

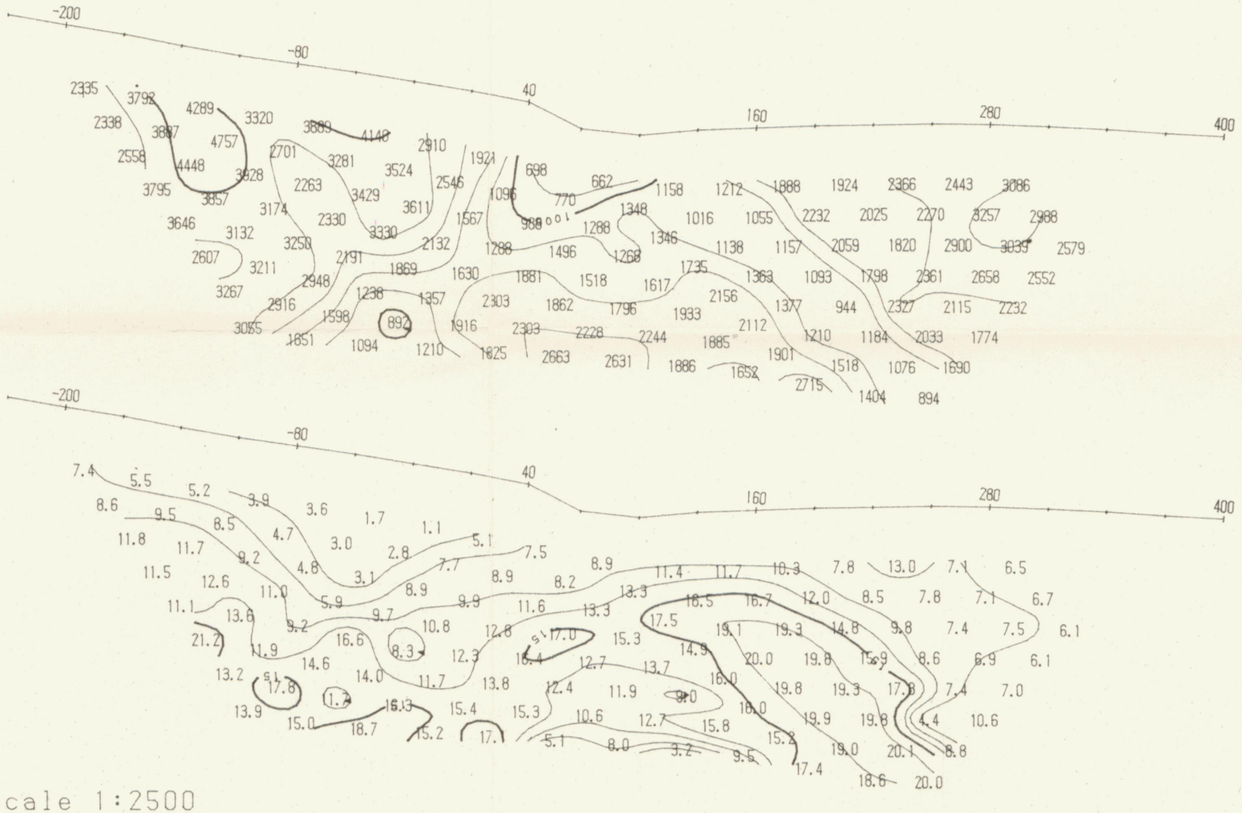
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 480E

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-0-14 | 1:2500 | Sept/90 | SP-13 |

175 7PUP - 22

Survey Direction: south



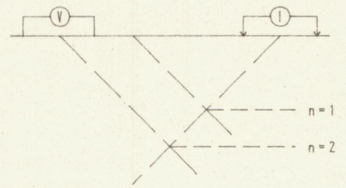

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second squere wave |

MAP# 115/0/14 Doc# 092969 (123)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

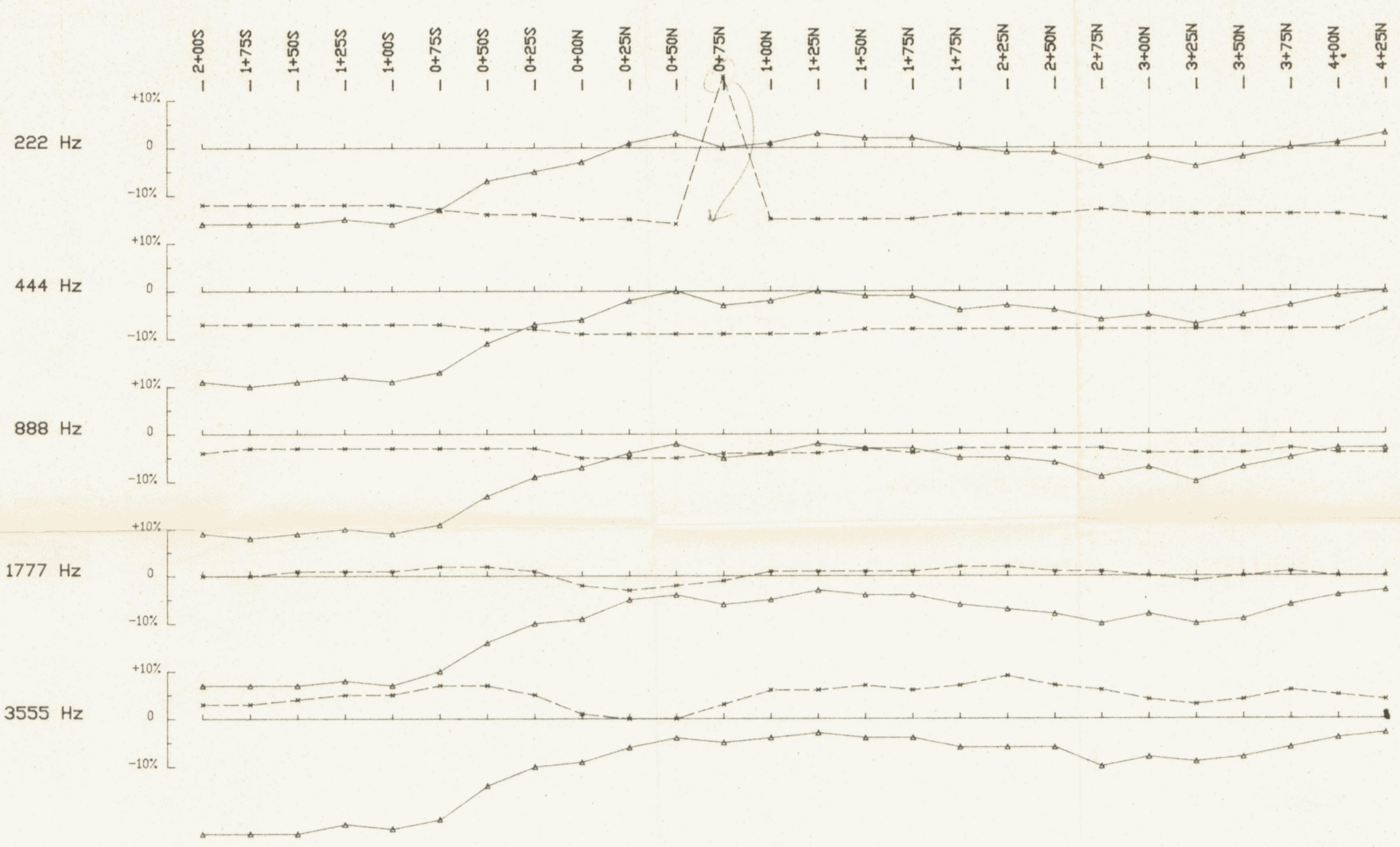
# 7-PUP GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 5+80E

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-0-14 | 1:2500 | Sept/90 | SP-14 |

176 7PUP - 23




LEGEND

% OUT-OF-PHASE
% IN-PHASE

+10% / 0 / -10% — Percent deviation from normal field

0 100 200 300 400
metres

INTSTRUMENTATION: Apex Parametrics MAX MIN II
COIL SPACING: 100 metres

TO ACCOMPANY GEOPHYSICAL REPORT BY DAVID G. MARK, GEOPHYSICIST
DATE: MARCH 19, 1991

MAP# 115/0/14 Doc#092969 (144)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# McKAY O'NEIL GRID

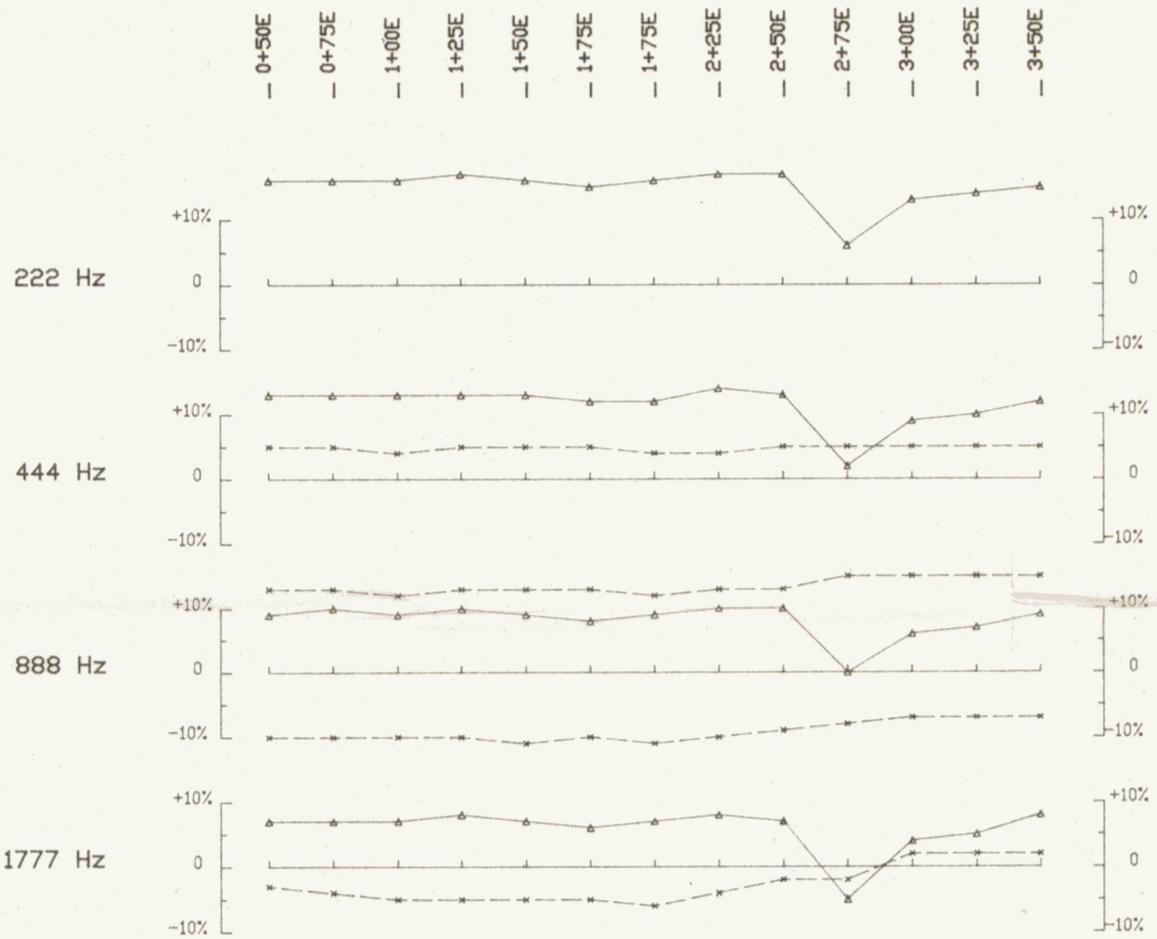
BOULDER LODE, DAWSON CITY AREA
DAWSON M.D., Y.T.

## HORIZONTAL LOOP EM
## Profiles – 1+00E

| Drawn by: | Date: | Job No. | Scale: | Map No. |
|---|---|---|---|---|
| Geo-Comp | Mar.'91 | 90-07 | Vert. 1cm=10% Horiz. 1:2,500 | 7 |

Geo-Comp Drawing File: MKY100E

197 MCKAY - 33A




LEGEND

% OUT-OF-PHASE
% IN-PHASE

+10%
0
-10%
Percent deviation from normal field

0 100 200 300 400
metres

INTSTRUMENTATION: Apex Parametrics MAX MIN II
COIL SPACING: 100 metres

TO ACCOMPANY GEOPHYSICAL REPORT BY DAVID G. MARK, GEOPHYSICIST
DATE MARCH 19, 1991

MAP# 115/0/14 Doc# 092969 (139)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.
McKAY O'NEIL GRID
BOULDER LODE, DAWSON CITY AREA
DAWSON M.D., Y.T.

# HORIZONTAL LOOP EM
## Profiles – 1+00S

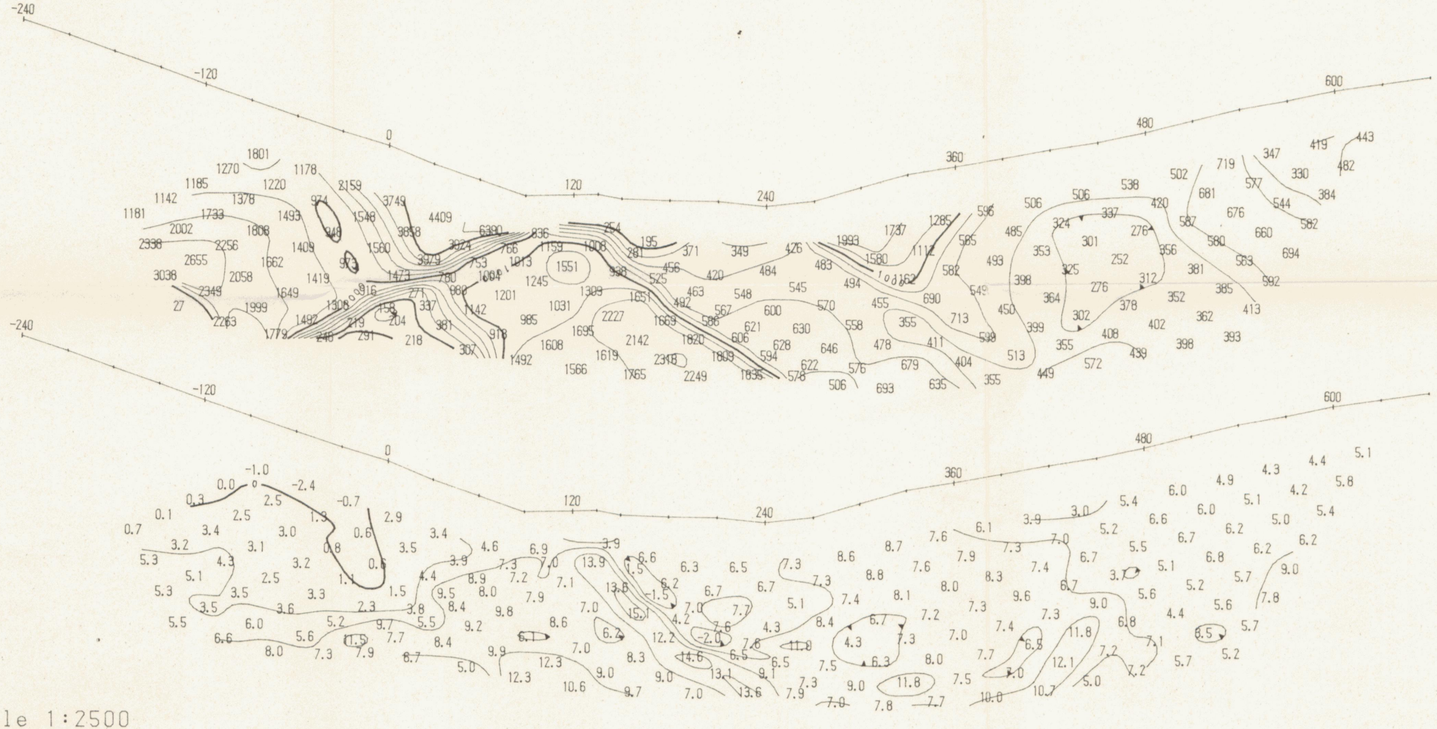
| Drawn by: | Date: | Job No. | Scale: | Map No. |
|---|---|---|---|---|
| Geo-Comp | Mar.'91 | 90-07 | Vert. 1cm=10% Horiz. 1:2,500 | MD 16 |

Geo-Comp Drawing File: MKY100S

192

MCKAY - 30A

Survey Direction: 115 degrees S.E.

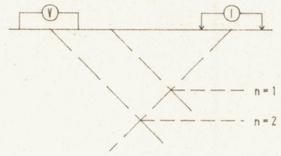



Scale 1:2500

25 0 25 50 75 100 125
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

MAP #115/0/14 Dx #092969 (141)

GEOTRONICS SURVEYS LTD.

**ARBOR RESOURCES INC.**

# McKAY-O'NEIL GRID

DAWSON CITY, YUKON

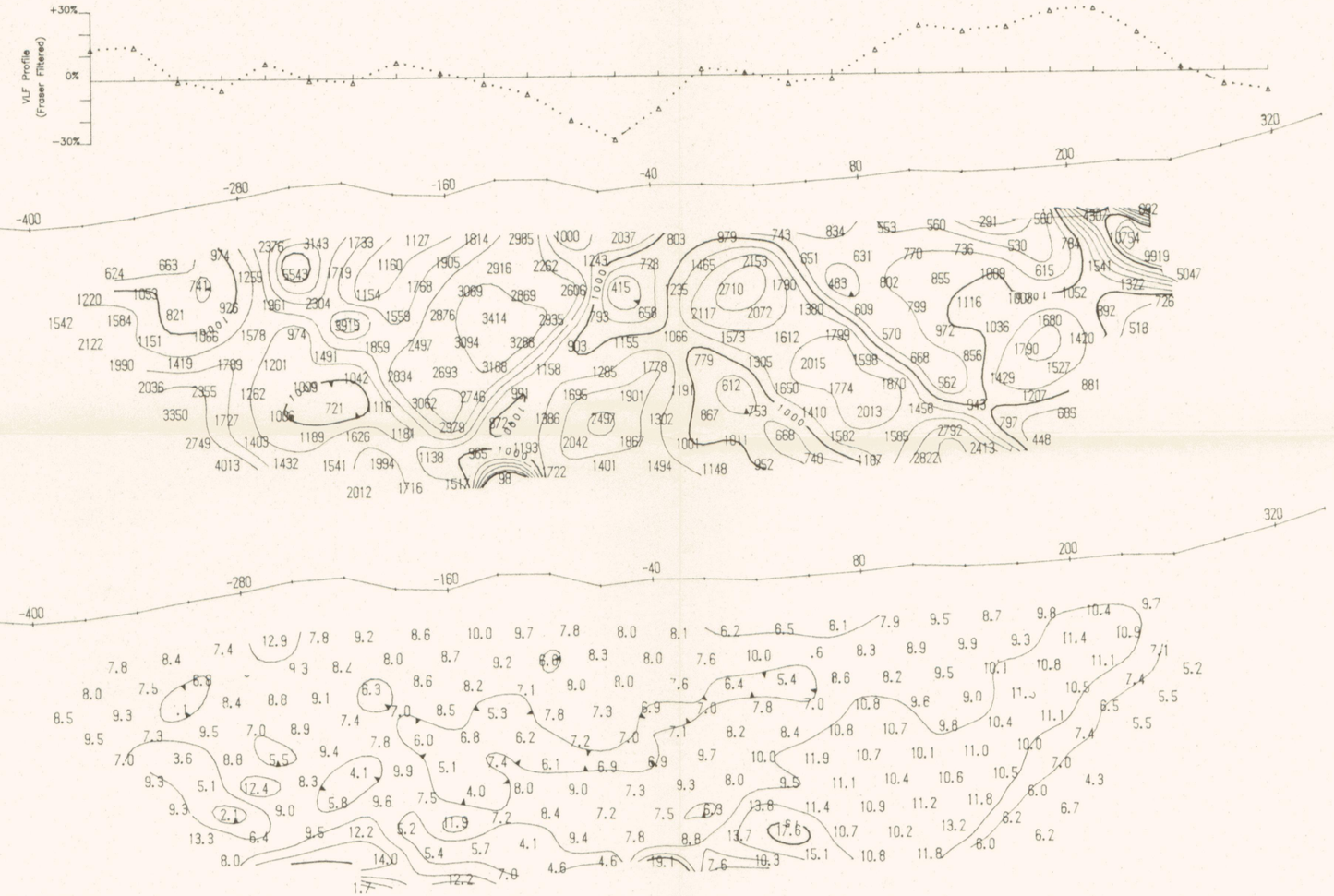
APPARENT RESISTIVITY and CHARGEABILITY-
PSEUDOSECTIONS
LINE 0+00

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-0-14 | 1:2500 | Sept/90 | M0-13 |

194

MCKAY - 32

Survey Direction: 110 degrees S.E.




APPARENT RESISTIVITY

APPARENT CHAGEABILITY

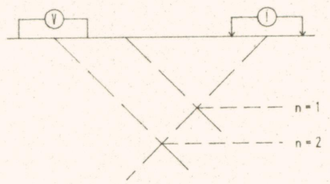
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 feet(15 metres) |
| Dipole seperation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

PROFILE LEGEND

VLF profile
Scale: 1 cm = 20% dip

map#115/0/14 Doc#092969 (138)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

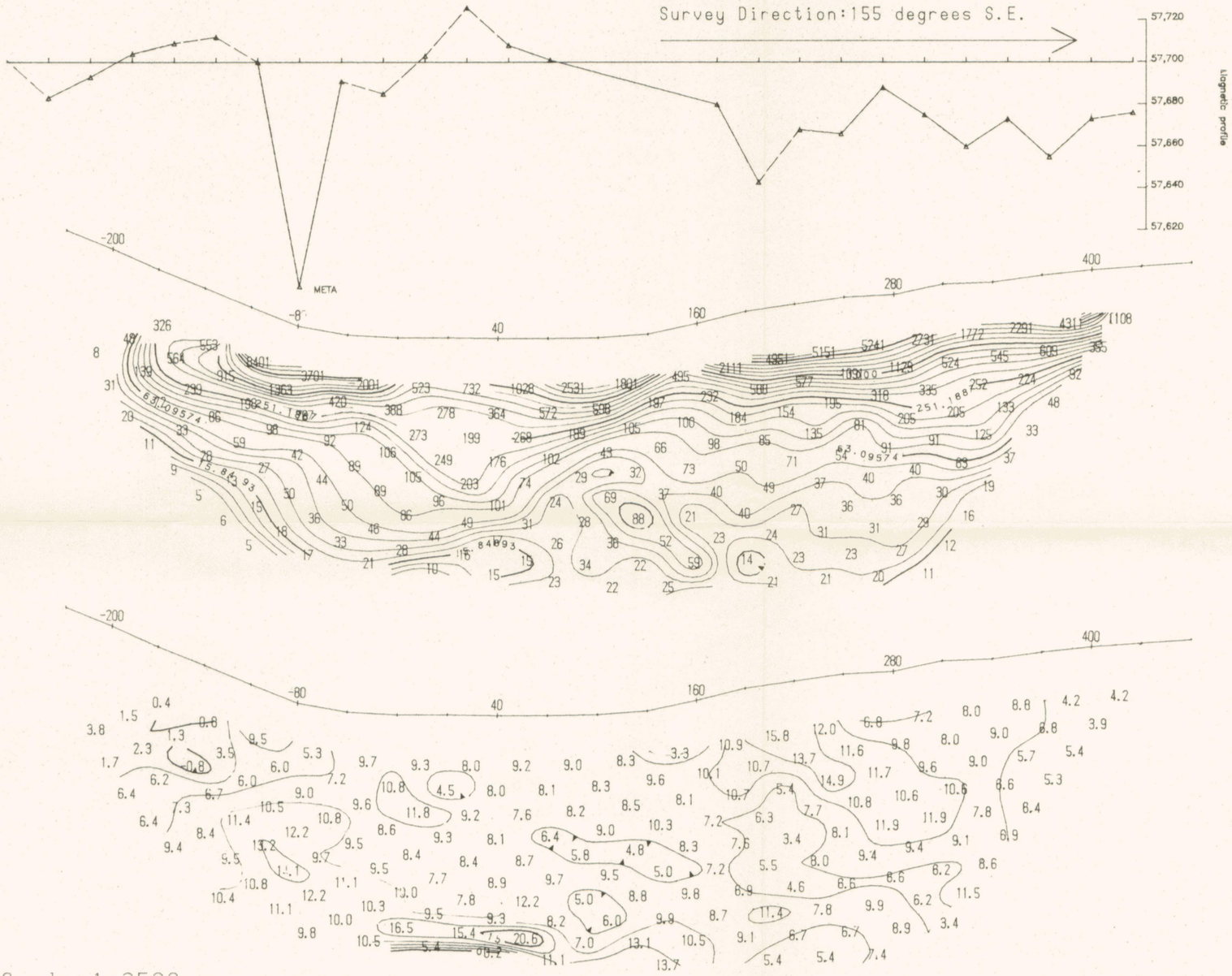
# MCKAY-O'NEIL GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 100S

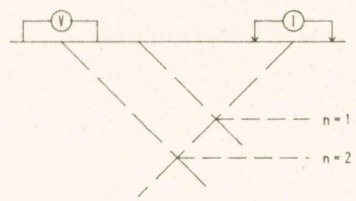
| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-0-14 | 1:2500 | Sept/90 | MO-11 |

191 MCKAY - 30




Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

## Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 feet(15 metres) |
| Dipole seperation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

PROFILE LEGEND

Magnetic profile
Scale: 1 cm = 20 gammas

MAP# 115/0/14 Doc# 092969 (142)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

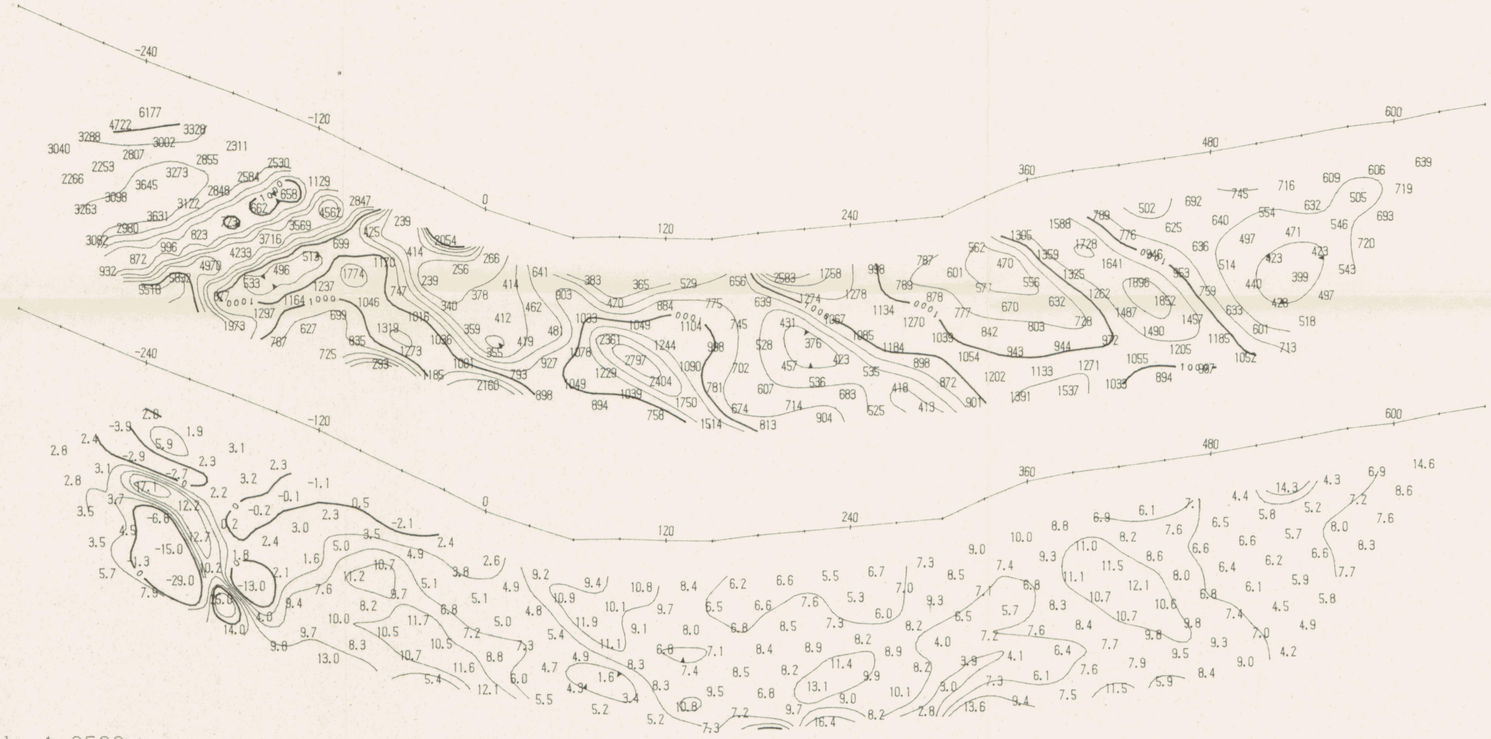
# MCKAY-O'NEIL GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 100E

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-0-14 | 1:2500 | Sept/90 | MC-14 |

Survey Direction: 115 degrees S.E.



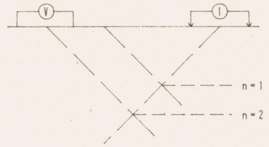

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

MM# 115/0/14 Doc# 093969 (143)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# McKAY-O'NEIL GRID

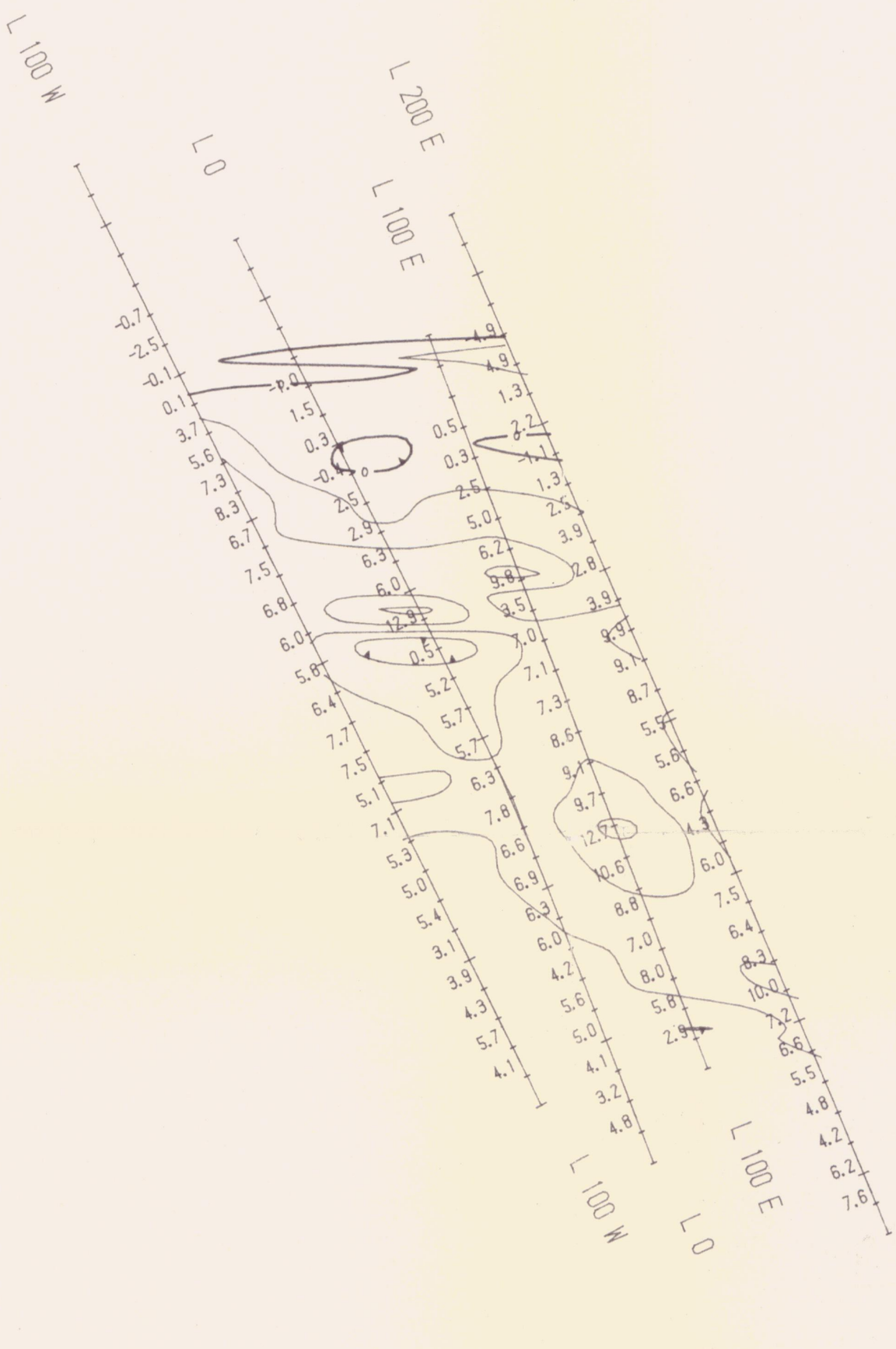
DAWSON CITY, YUKON

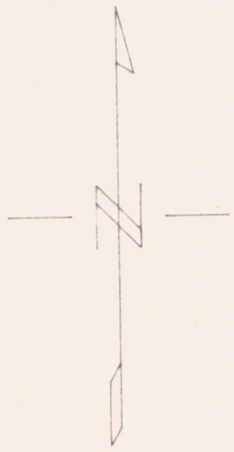
APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 2+00E

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | MO-15 |

196

McKAY - 34



SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Scale 1:5000

50 0 50 100 150 200 250
(metres)

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990 .

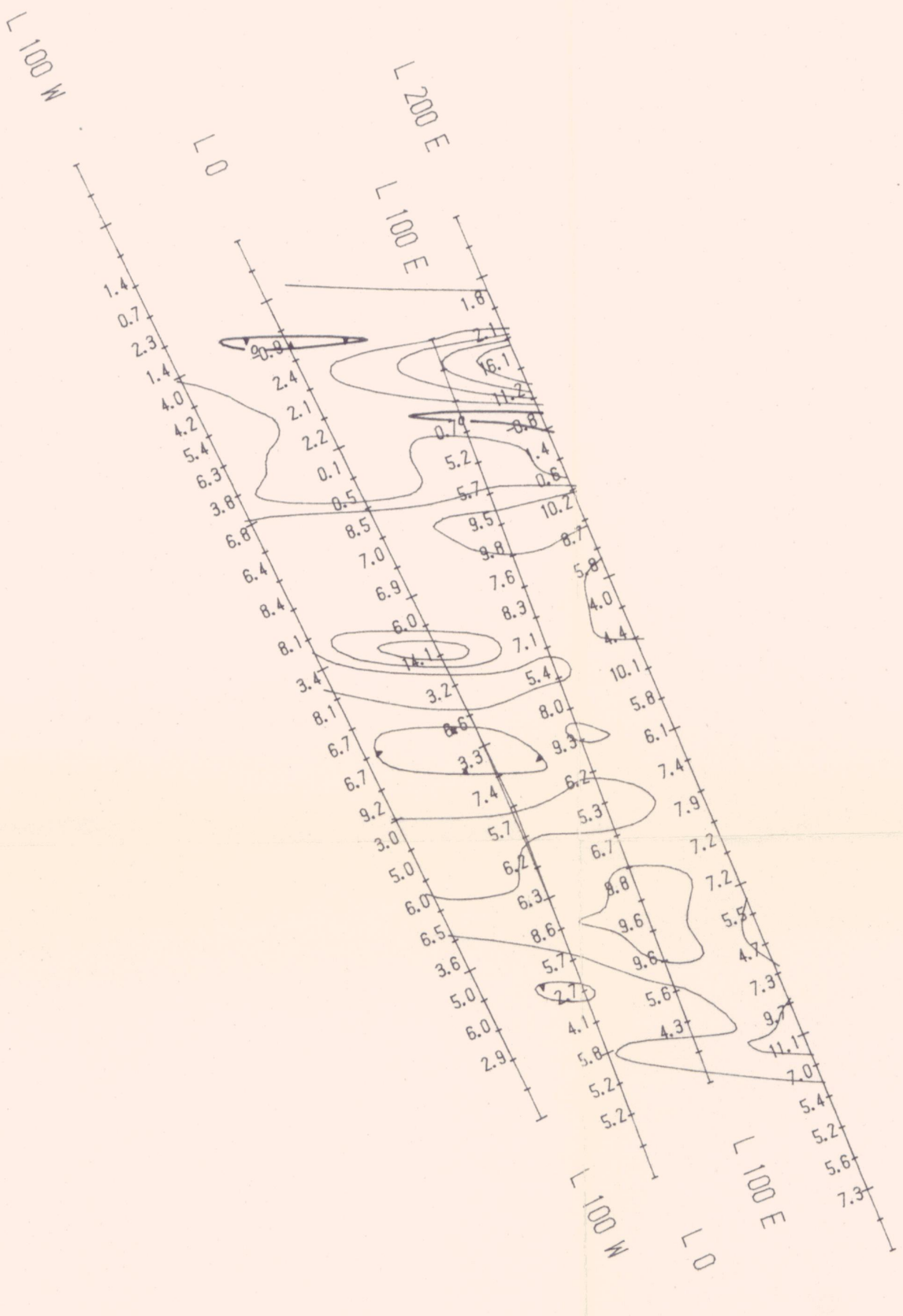
MAP#115/0/14 Doc#092969 (73)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES LTD
McKAY - O'NEIL GRID
DAWSON CITY AREA

Apparent CHARGEABILITY Survey
Data and Contours
For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:5000 | Nov/90 | MO-5 |




SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Scale 1:5000

50 0 50 100 150 200 250
(metres)

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

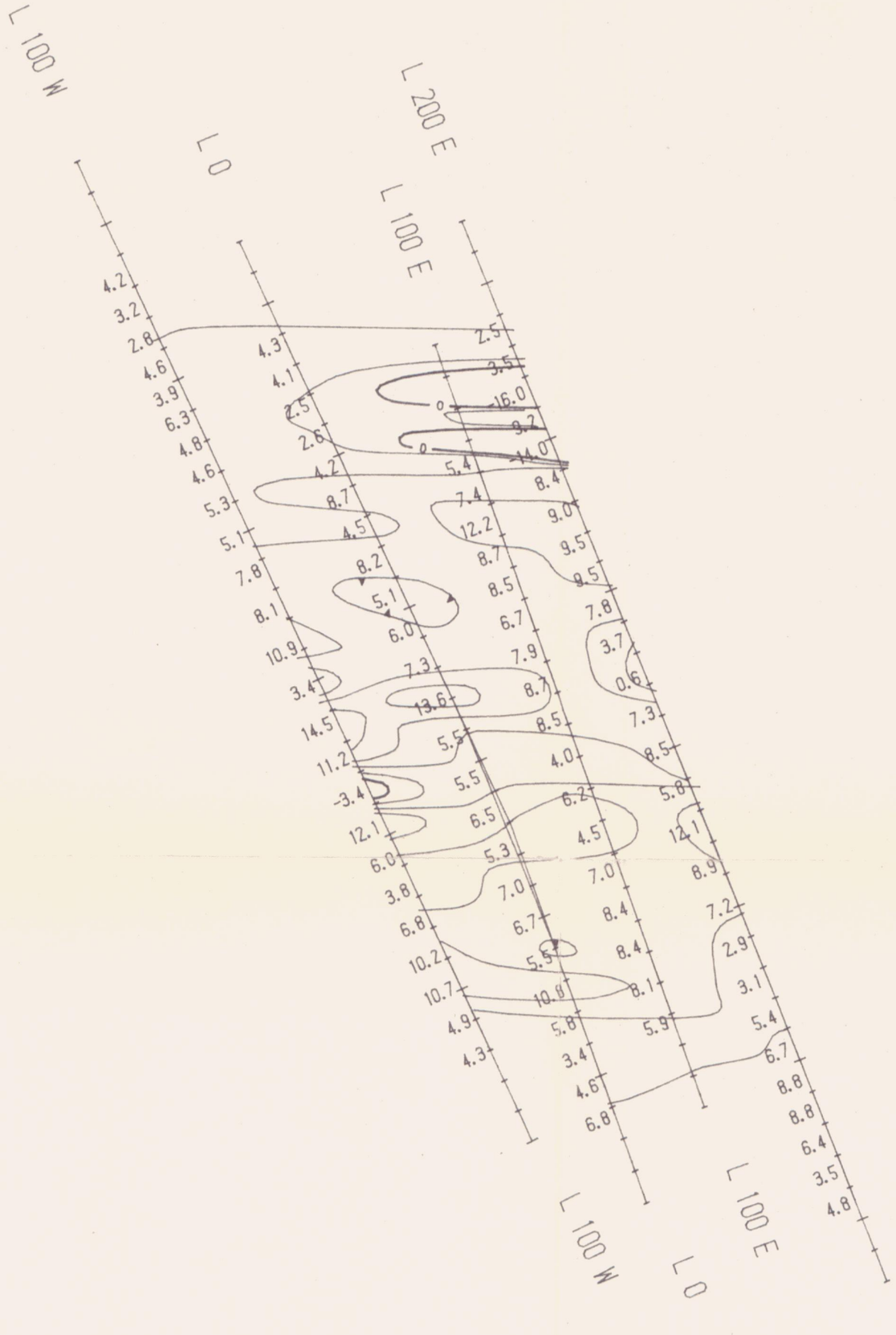
mpp#115/0/14 D.c#092969 (94)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# McKAY - O'NEIL GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
## Data and Contours
## For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:5000 | Nov/90 | MC-6 |




## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Scale 1:5000

50 0 50 100 150 200 250
(metres)

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

Map# 115/0/14 Doc# 092969 (95)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# McKAY - O'NEIL GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
## Data and Contours
## For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:5000 | Nov/90 | MC-7 |

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Scale 1:5000

50 0 50 100 150 200 250
(metres)

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990 .

Map# 115/0/14 Doc 092969 (96)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# McKAY - O'NEIL GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:5000 | Nov/90 | M0-8 |

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Scale 1:5000

50 0 50 100 150 200 250
(metres)

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

MAP#115/0/14 Doc#092969 (97)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# McKAY - O'NEIL GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:5000 | Nov/90 | MO-9 |

151

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Scale 1:5000

50 0 50 100 150 200 250
(metres)

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990 .

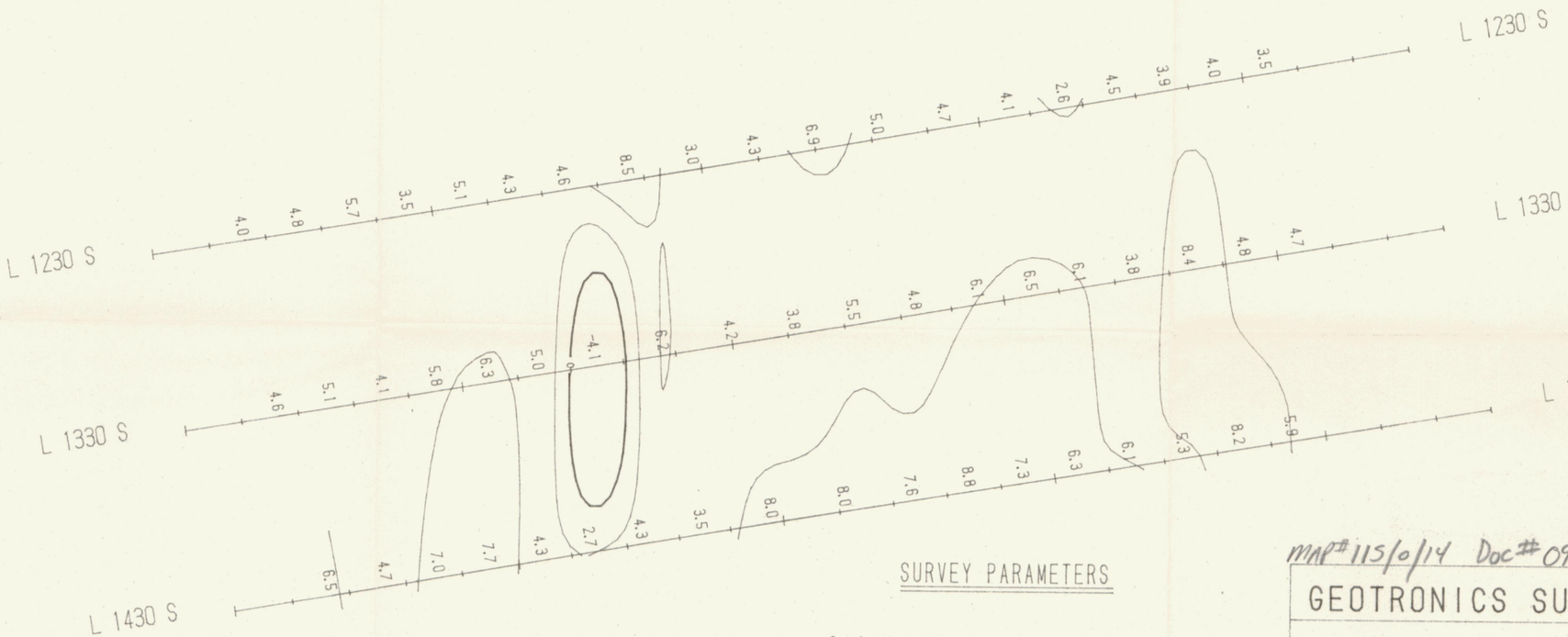
MAP#115/0/14 Doc#02969 (98)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# McKAY - O'NEIL GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:5000 | Nov/90 | M0-10 |




Scale 1:2500

25 0 25 50 75 100 125

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

**Surveyed by GEOTRONICS SURVEYS LTD..**
**September 1990**

MAP# 115/0/14 Doc# 092969 (99)

GEOTRONICS SURVEYS LTD.

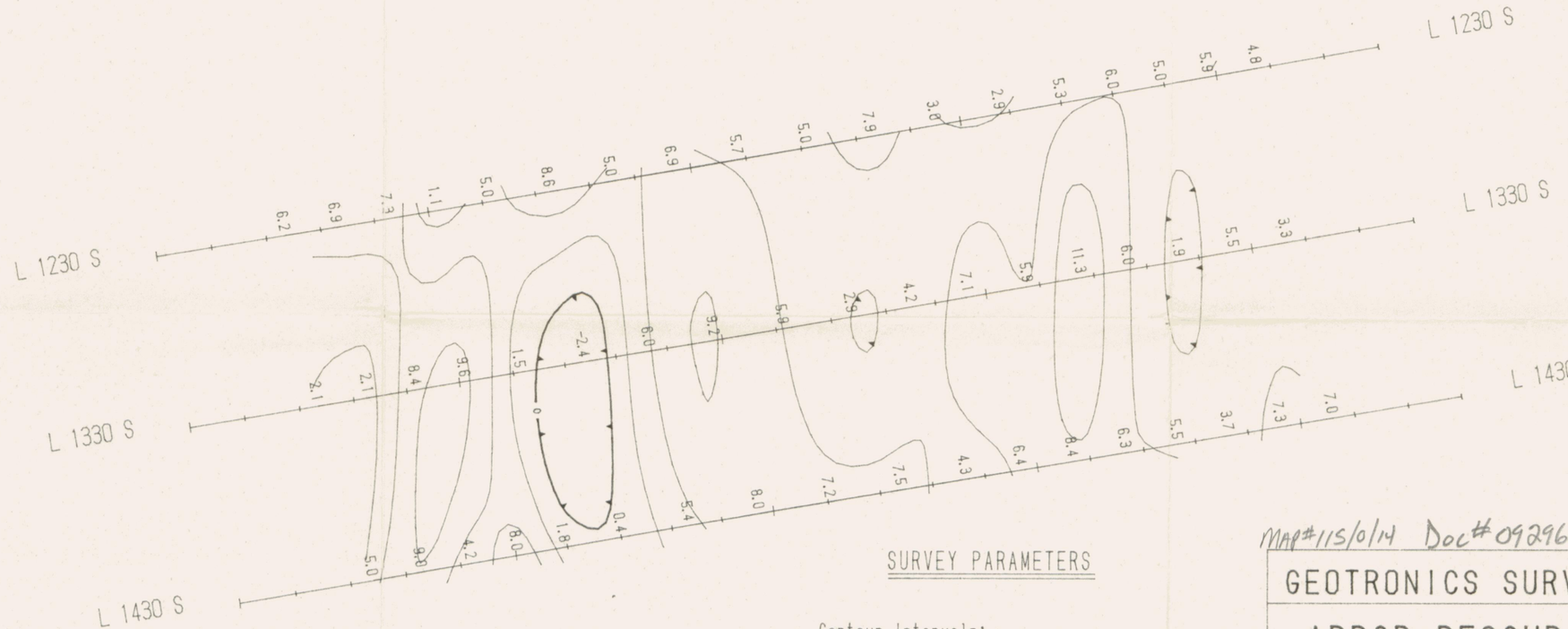
# ARBOR RESOURCES LTD
# IRISH GULCH GRID
DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
Data and Contours
For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | IG-5 |

153

IRISH - 35




Scale 1:2500

25 0 25 50 75 100 125

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

**Surveyed by GEOTRONICS SURVEYS LTD..**
**September 1990**

MAP#115/0/14 Doc#092969 (100)

GEOTRONICS SURVEYS LTD.

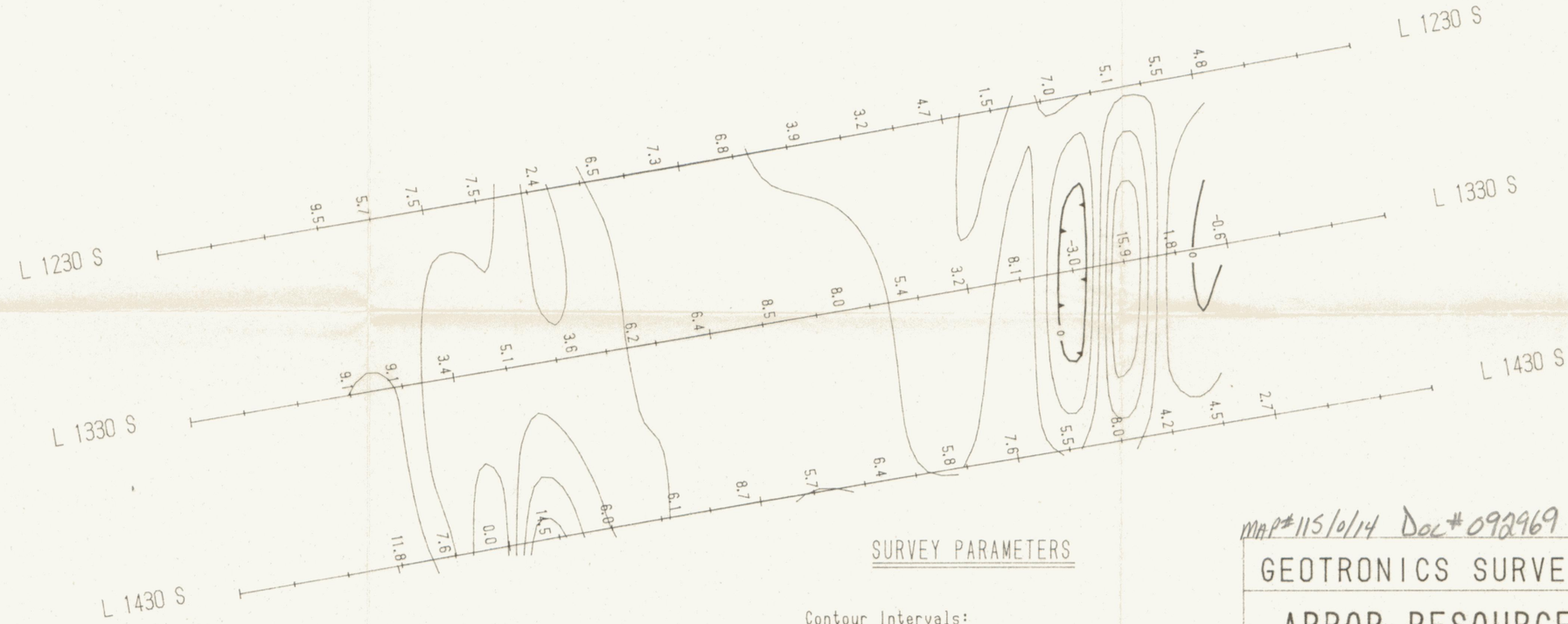
# ARBOR RESOURCES LTD
# IRISH GULCH GRID
DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
Data and Contours
For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | IG-6 |

154

IRISH - 36




Scale 1:2500

25 0 25 50 75 100 125

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

MAP# 115/0/14 Doc# 092969 (101)

GEOTRONICS SURVEYS LTD.

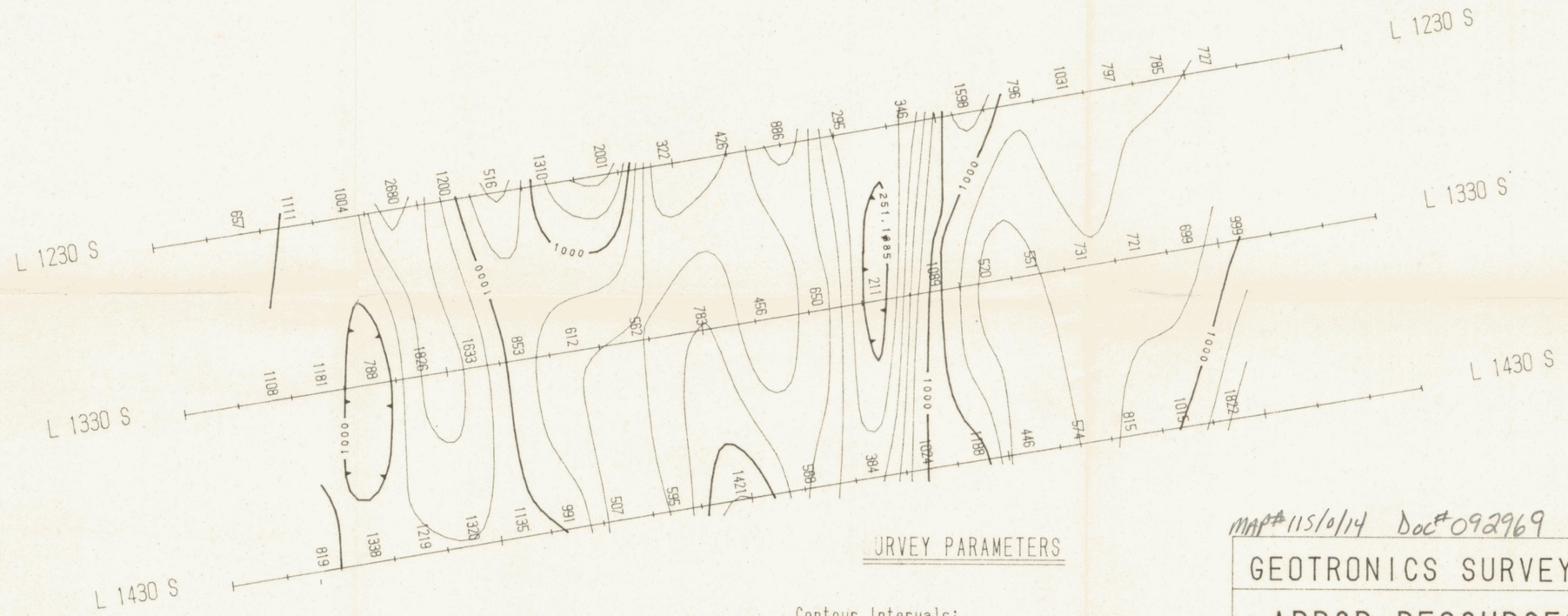
# ARBOR RESOURCES LTD
# IRISH GULCH GRID
DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
Data and Contours
For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | IG-7 |

155

IRISH - 37




Scale 1:2500

25 0 25 50 75 100 125

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

MAP# 115/0/14 Doc# 092969 (102)

GEOTRONICS SURVEYS LTD.

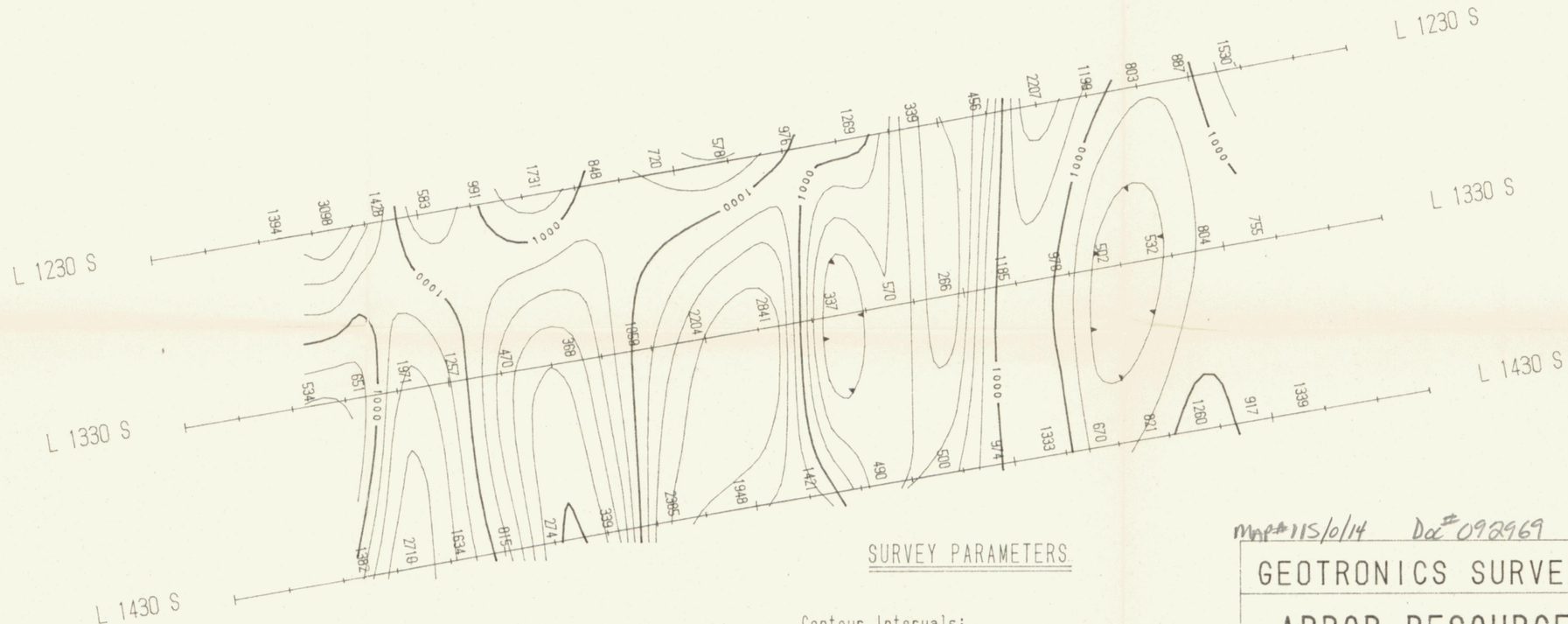
# ARBOR RESOURCES LTD
# IRISH GULCH GRID
DAWSON CITY AREA

## Apparent RESISTIVITY Survey
Data and Contours
For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | IG-8 |

156

IRISH-38




Scale 1:2500

25 0 25 50 75 100 125

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

Map# 115/0/14 Dat# 092969 (103)

GEOTRONICS SURVEYS LTD.

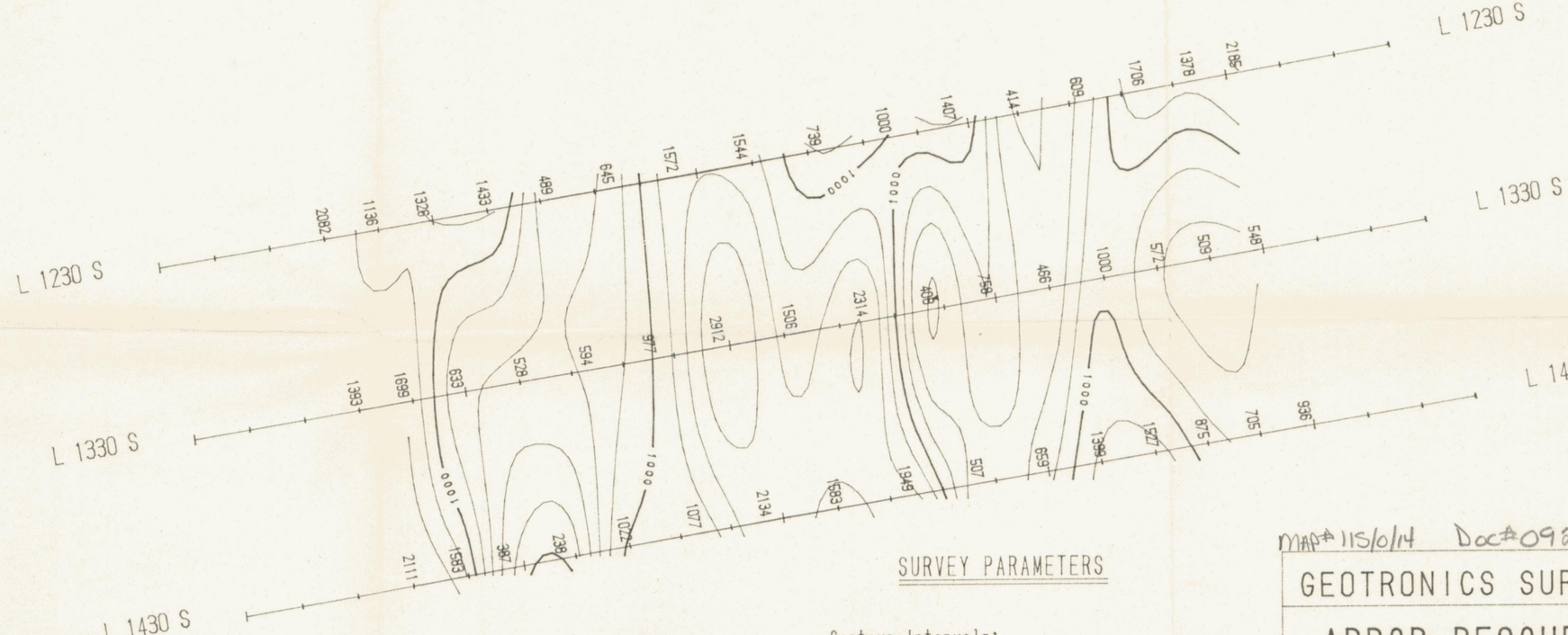
ARBOR RESOURCES LTD
IRISH GULCH GRID
DAWSON CITY AREA

Apparent RESISTIVITY Survey
Data and Contours
For Level n=4

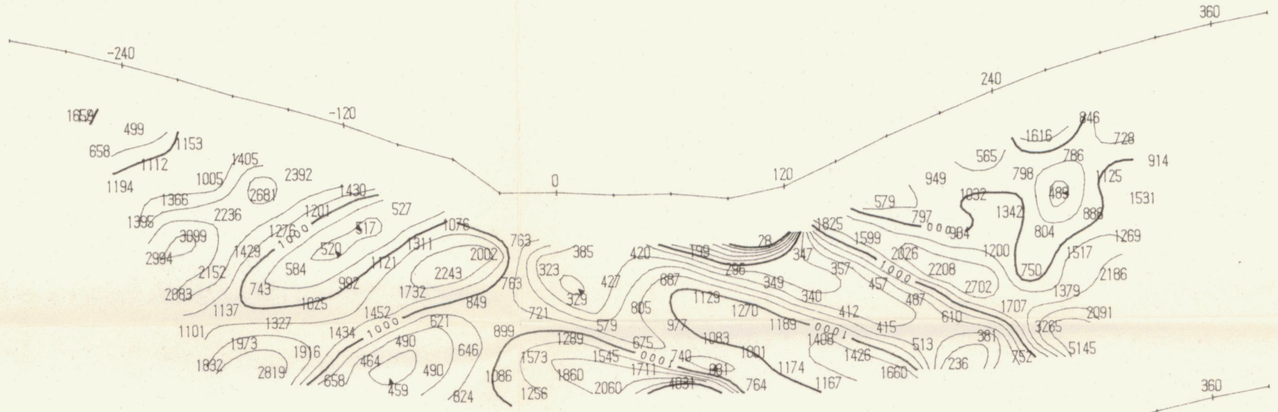
| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| A.C. | 115-0-14 | 1:2500 | Nov/90 | IG-9 |

157

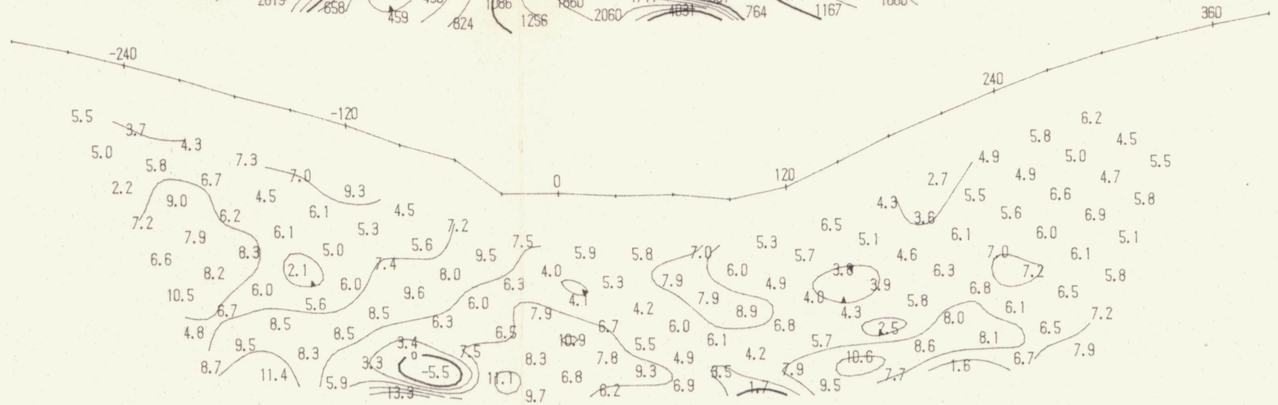
IRISH - 39


L 1230 S
L 1330 S
L 1430 S
L 1230 S
L 1330 S
L 1430 S
2082
1136
1328
1433
489
645
1572
1544
739
1000
1000
1407
414
609
1706
1378
2186
1000
1000
1000

Survey Direction: 80 degrees N.E.




APPARENT RESISTIVITY




APPARENT CHARGEABILITY

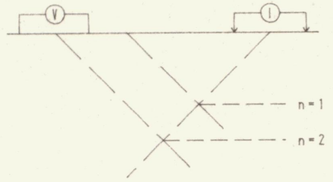
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres

Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

MAP#115/0/14 Doc#092969 (105)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# IRISH GULCH GRID

DAWSON CITY, YUKON

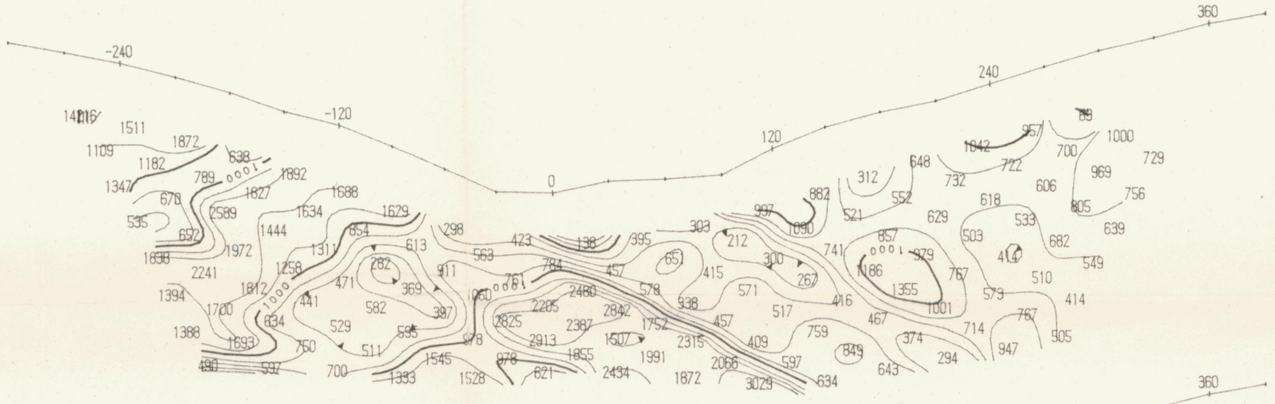
APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 12+30S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-0-14 | 1:2500 | Sept/90 | IG-11 |

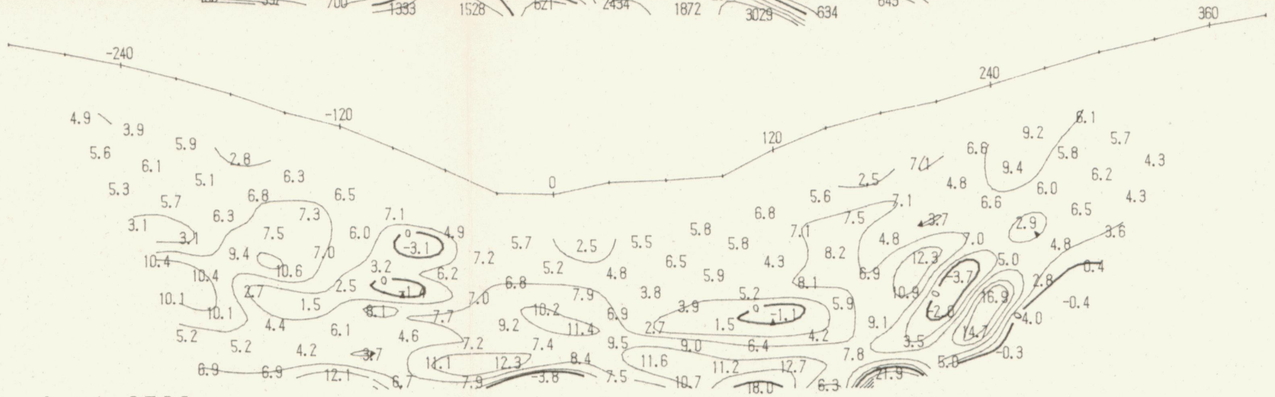
159

IRISH-411

Survey Direction: 80 degrees N.E.




APPARENT RESISTIVITY




APPARENT CHARGEABILITY

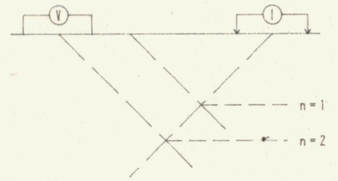
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

MAP# 115/0/14 Doc# 092969 (106)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# IRISH GULCH GRID

DAWSON CITY, YUKON

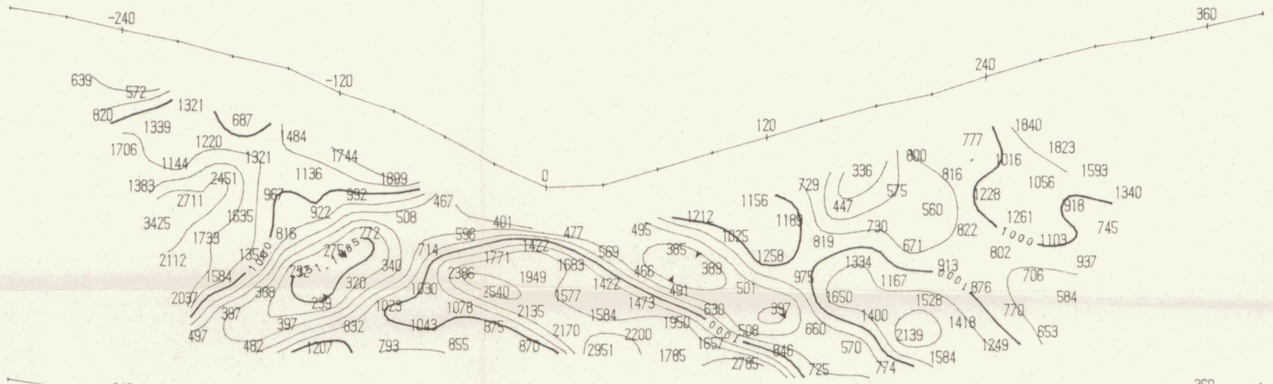
APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 13+30S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-0-14 | 1:2500 | Sept/90 | IG-12 |

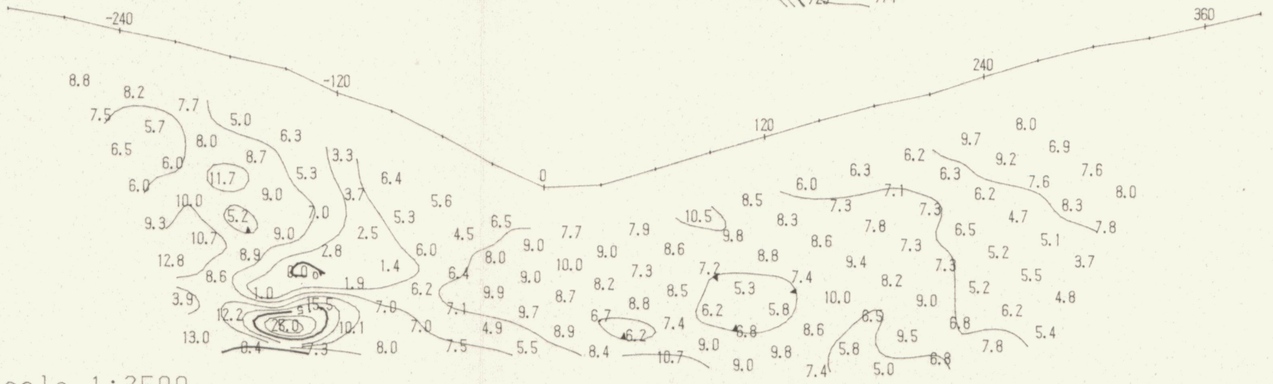
160

IRISH - 42

Survey Direction: 80 degrees N.E.




APPARENT RESISTIVITY




APPARENT CHARGEABILITY

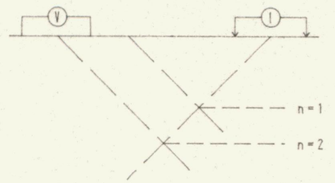
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

map#115/0/14 Doc#092969 (107)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

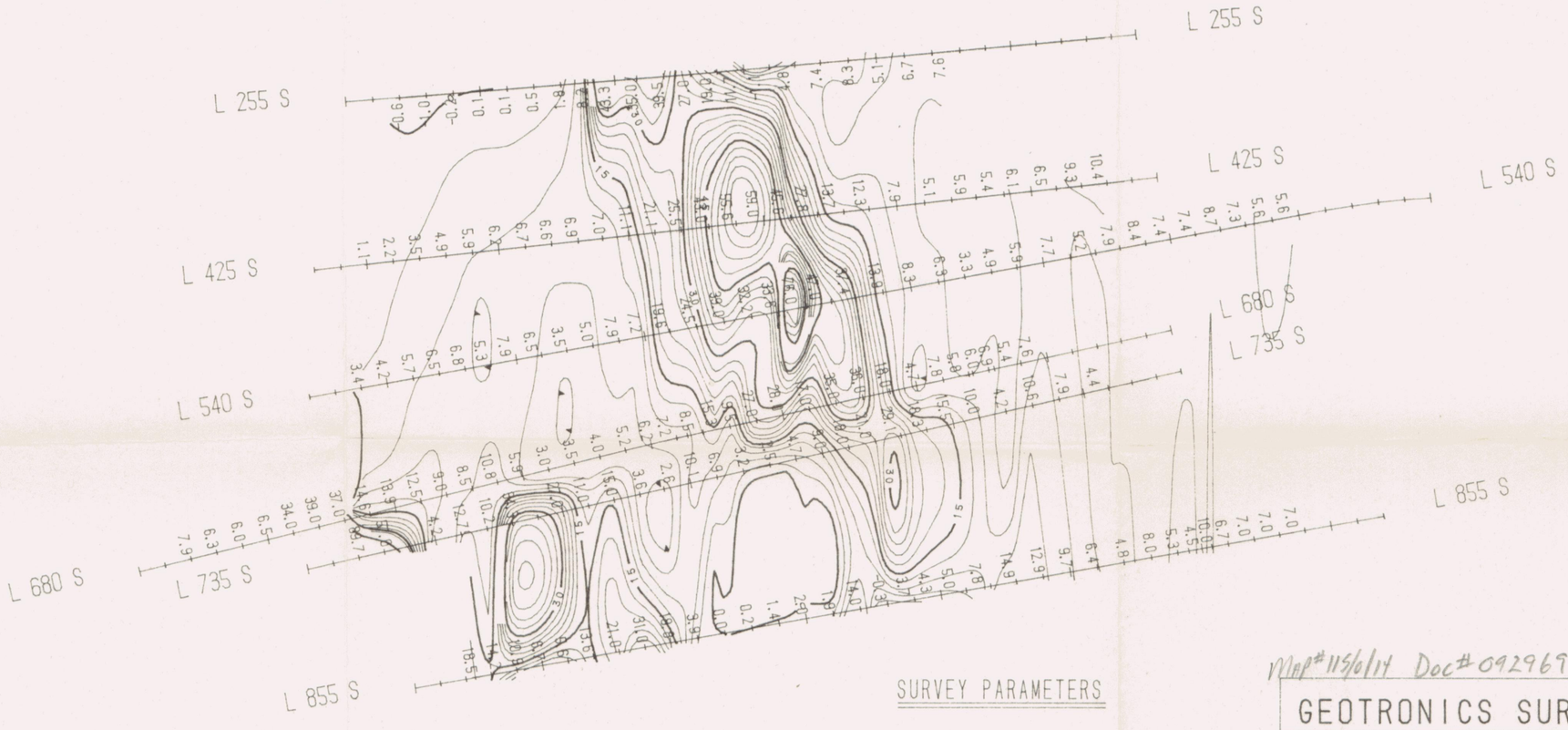
# IRISH GULCH GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 14+30S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-0-14 | 1:2500 | Sept/90 | I-13 |

161




Map# 115/6/14 Doc# 092969

(108)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

Scale 1:5000

50 0 50 100 150 200 250
(metres)

GEOTRONICS SURVEYS LTD.

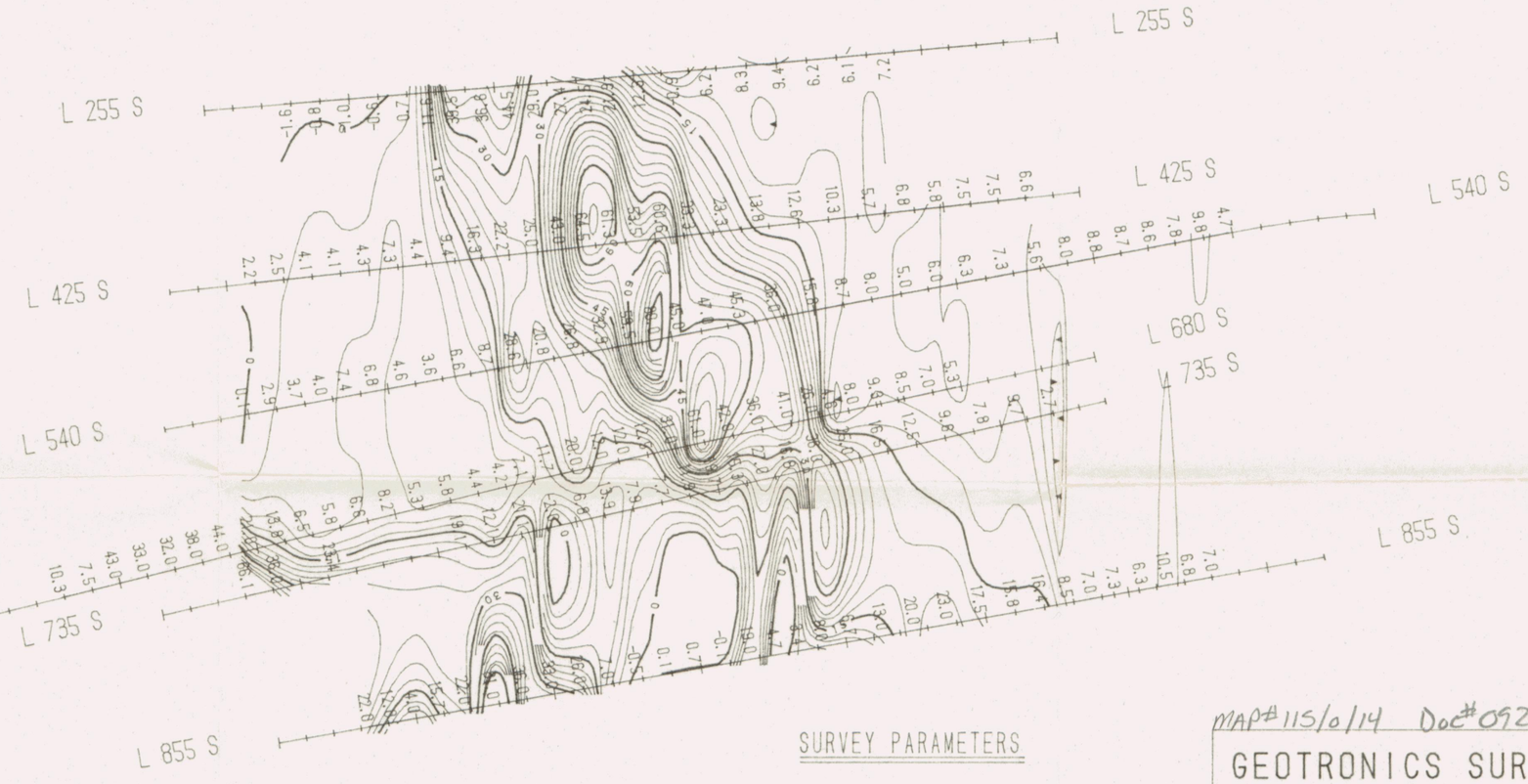
# ARBOR RESOURCES LTD
# FRENCH GULCH GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
## Data and Contours
## For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | FG-5 |

162

FRENCH-44




Scale 1:5000

50 0 50 100 150 200 250

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

MAP# 115/0/14 Doc# 092969 (109)

GEOTRONICS SURVEYS LTD.

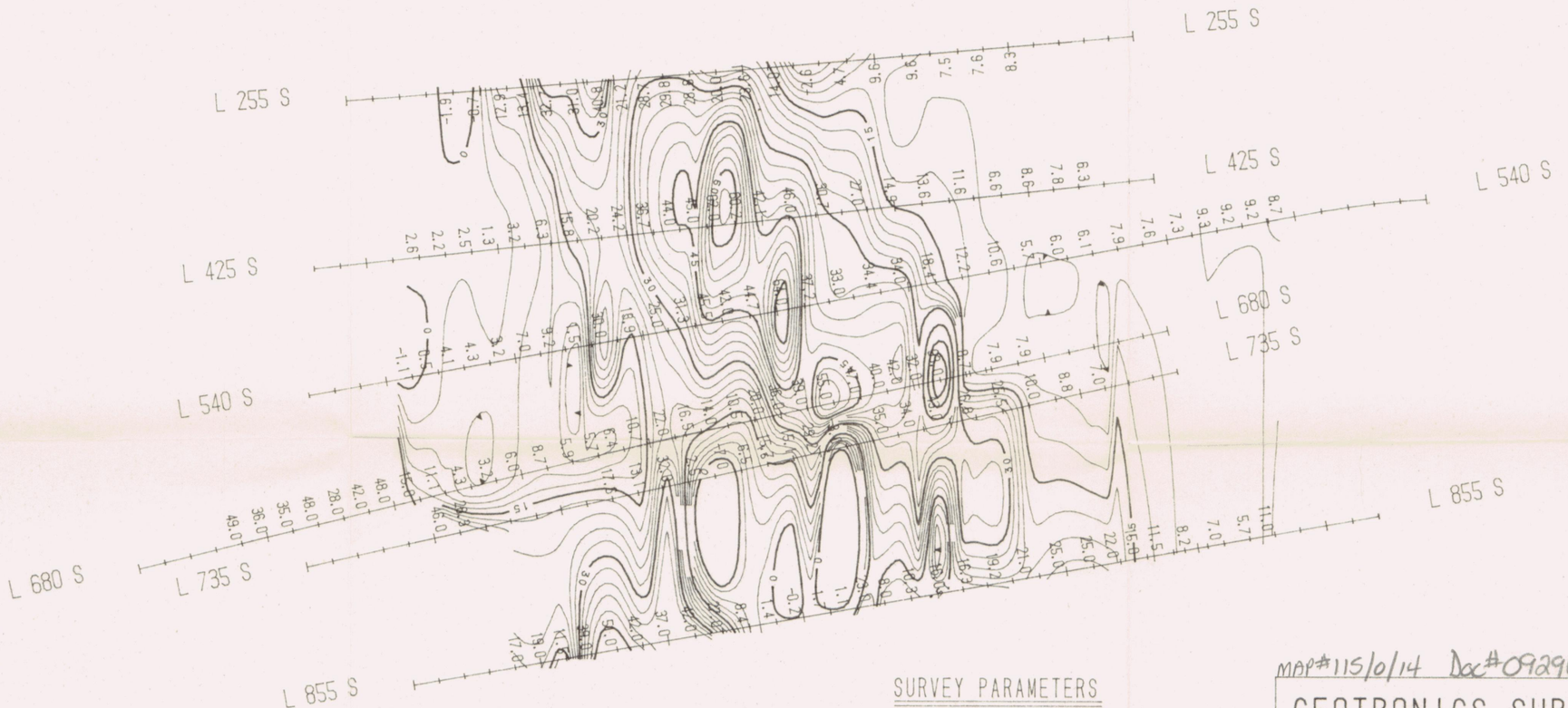
# ARBOR RESOURCES LTD
# FRENCH GULCH GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
Data and Contours
For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | FG-6 |

163

FRENCH - 45




Scale 1:5000

50 0 50 100 150 200 250

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

MAP#115/0/14 Doc#092969 (110)

GEOTRONICS SURVEYS LTD.

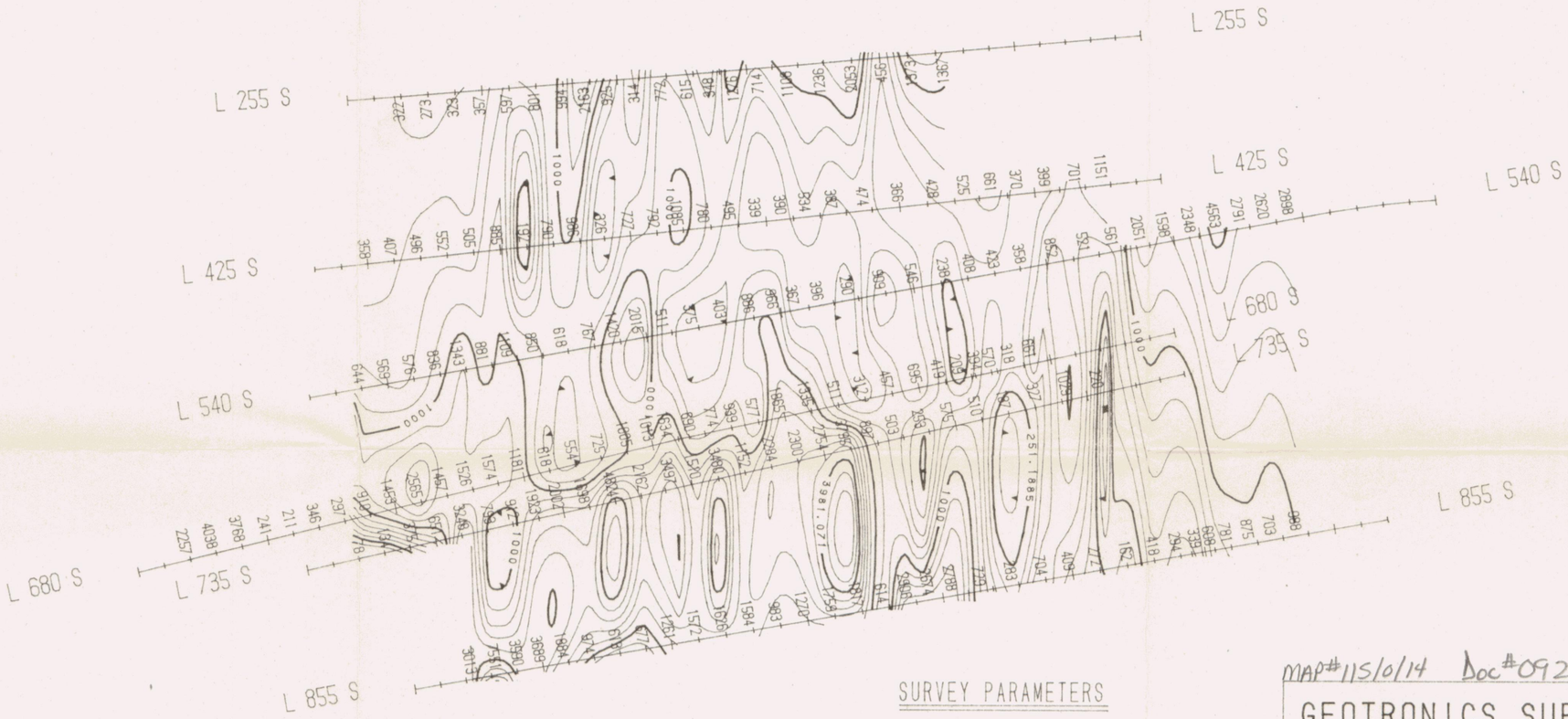
# ARBOR RESOURCES LTD
# FRENCH GULCH GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
## Data and Contours
## For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | FG-7 |

164

FRENCH-46




Scale 1:5000

50 0 50 100 150 200 250

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

MAP# 115/0/14 Doc# 092969 (111)

GEOTRONICS SURVEYS LTD.

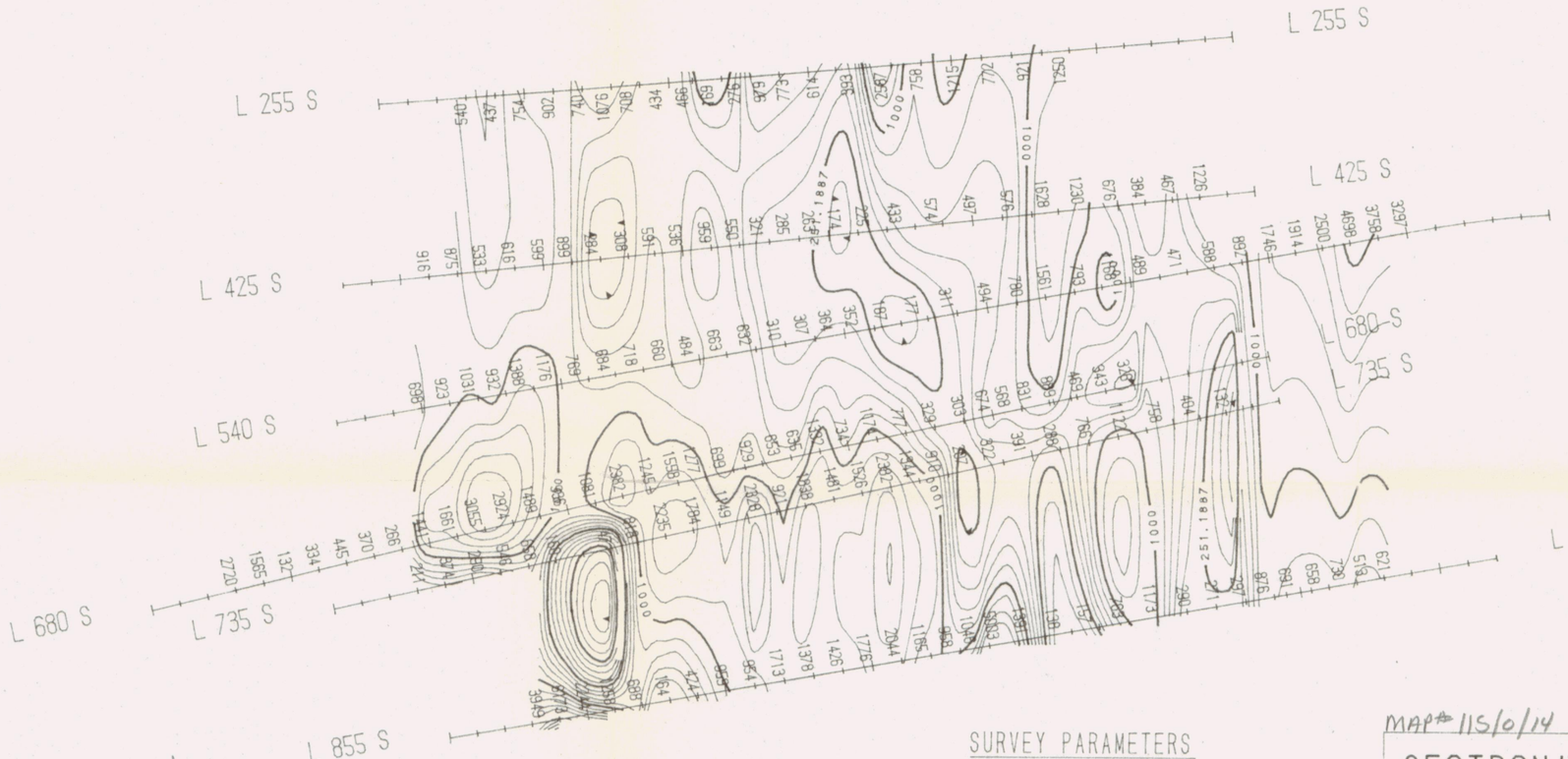
# ARBOR RESOURCES LTD
# FRENCH GULCH GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | FG-8 |

165

FRENCH - 47




Scale 1:5000

50 0 50 100 150 200 250

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

MAP# 115/0/14 Doc#092969 (112)

GEOTRONICS SURVEYS LTD.

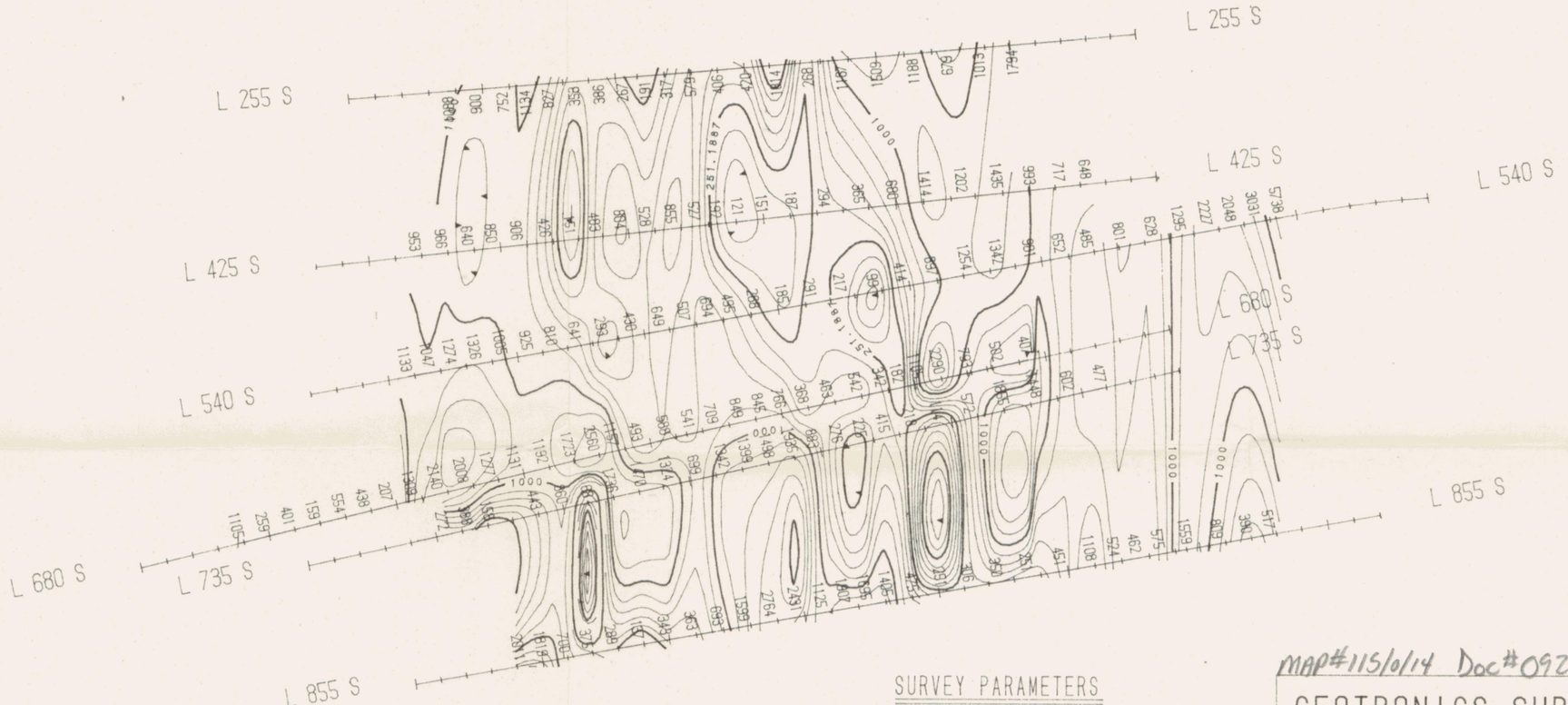
# ARBOR RESOURCES LTD
# FRENCH GULCH GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | FG-9 |

166

FRENCH - 48




Scale 1:5000

50 0 50 100 150 200 250

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

MAP#115/0/14 Doc#092969 (113)

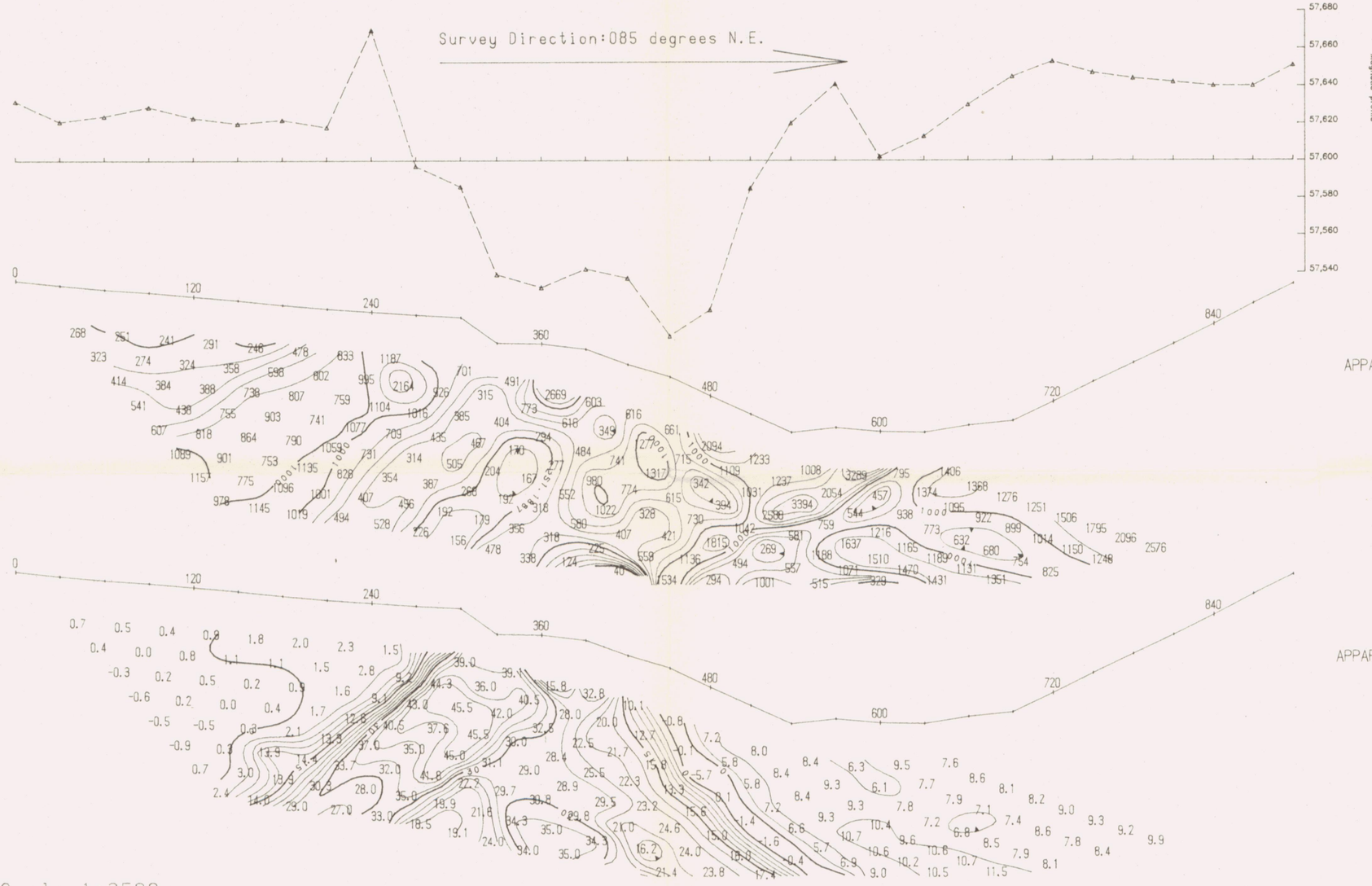
GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# FRENCH GULCH GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | FG-10 |

167



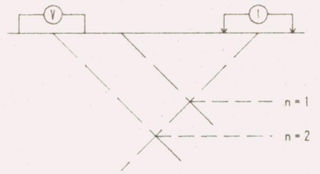

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 feet(15 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

### PROFILE LEGEND

Magnetic profile
Scale: 1 cm = 20 gammas

MAP# 115/0/14 Doc# 092969 (115)

GEOTRONICS SURVEYS LTD.

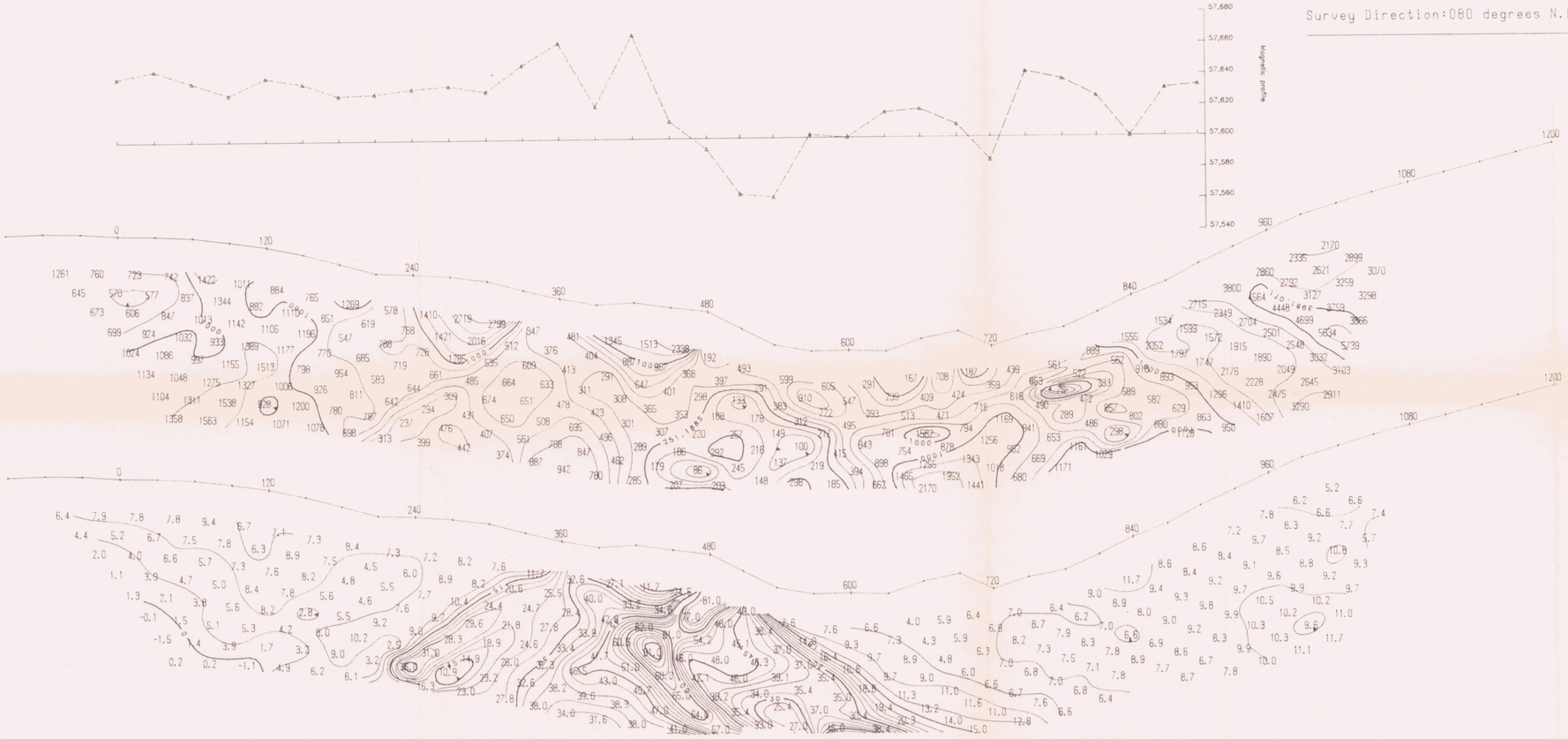
ARBOR RESOURCES INC.

# FRENCH GULCH GRID

DAWSON CITY, YUKON

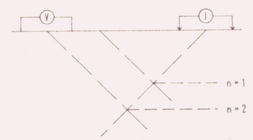
APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 255S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-0-14 | 1:2500 | Sept/90 | FG-12 |




Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 feet(15 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

### PROFILE LEGEND

Magnetic profile
Scale: 1 cm = 20 gammas

MAP# 115/0/14 Doc#092969 (117)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

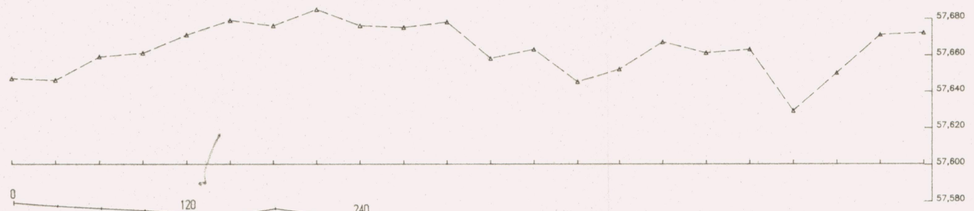
# FRENCH GULCH GRID

DAWSON CITY, YUKON

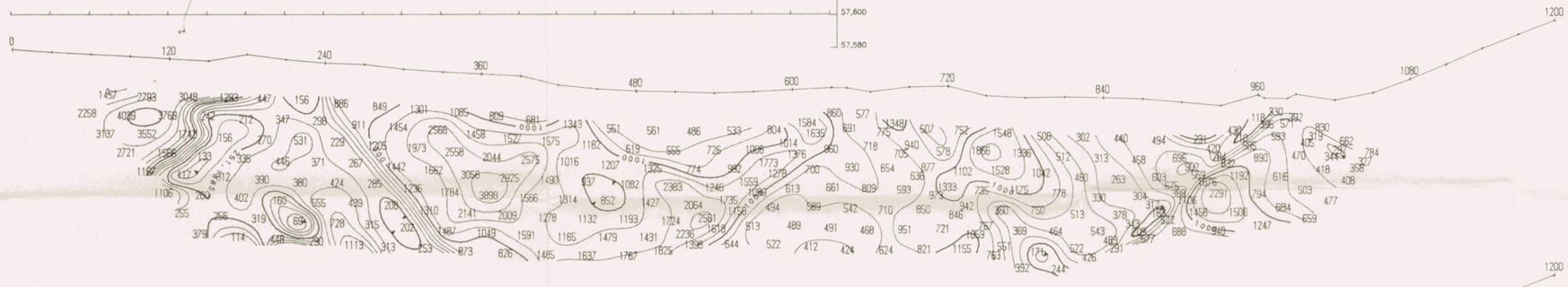
APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 540S

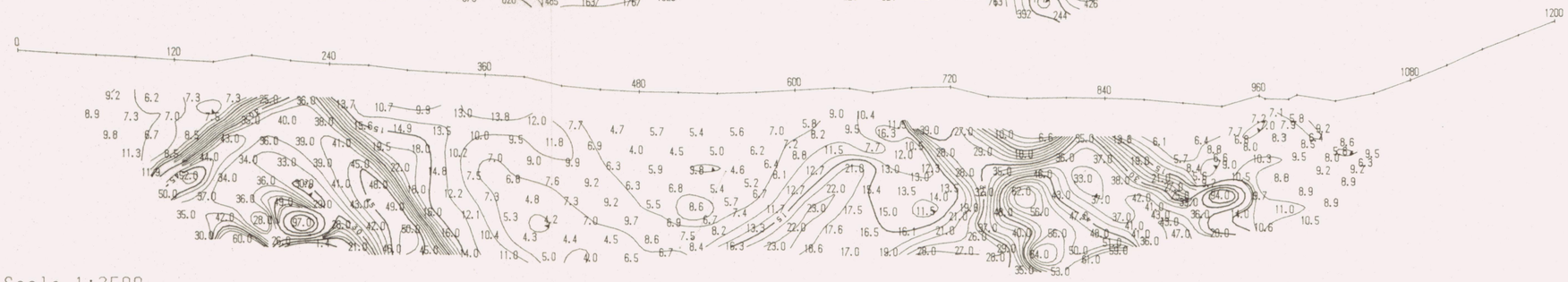
| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-0-14 | 1:2500 | Sept '90 | [illegible] |

171 FRENCH - 53




Survey Direction: 078 degrees N.E.



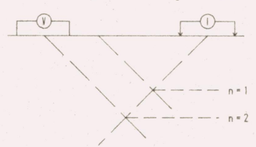

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 feet(15 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

### PROFILE LEGEND

Magnetic profile
Scale: 1 cm = 20 gammas

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# FRENCH GULCH GRID

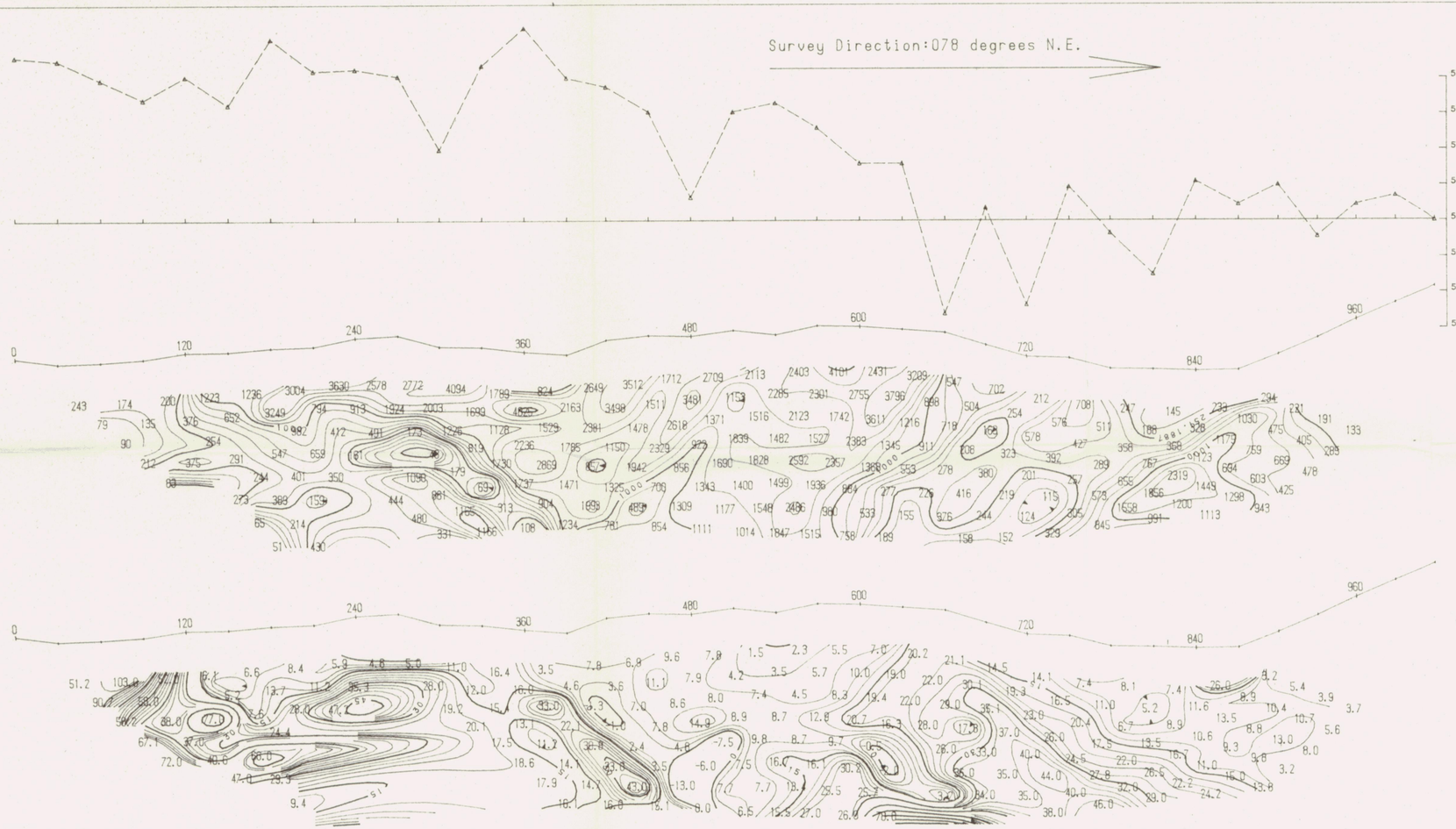
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 680S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-O-14 | 1:2500 | Sept/90 | F-G-15 |

MAP#115/O/14 Doc#092969

FRENCH 1-54 17A



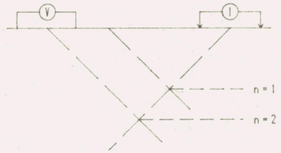

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 Feet(15 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

PROFILE LEGEND

Magnetic profile
Scale: 1 cm = 20 gammas

MAP#115/0/14 Doc#092969 (119)

GEOTRONICS SURVEYS LTD.

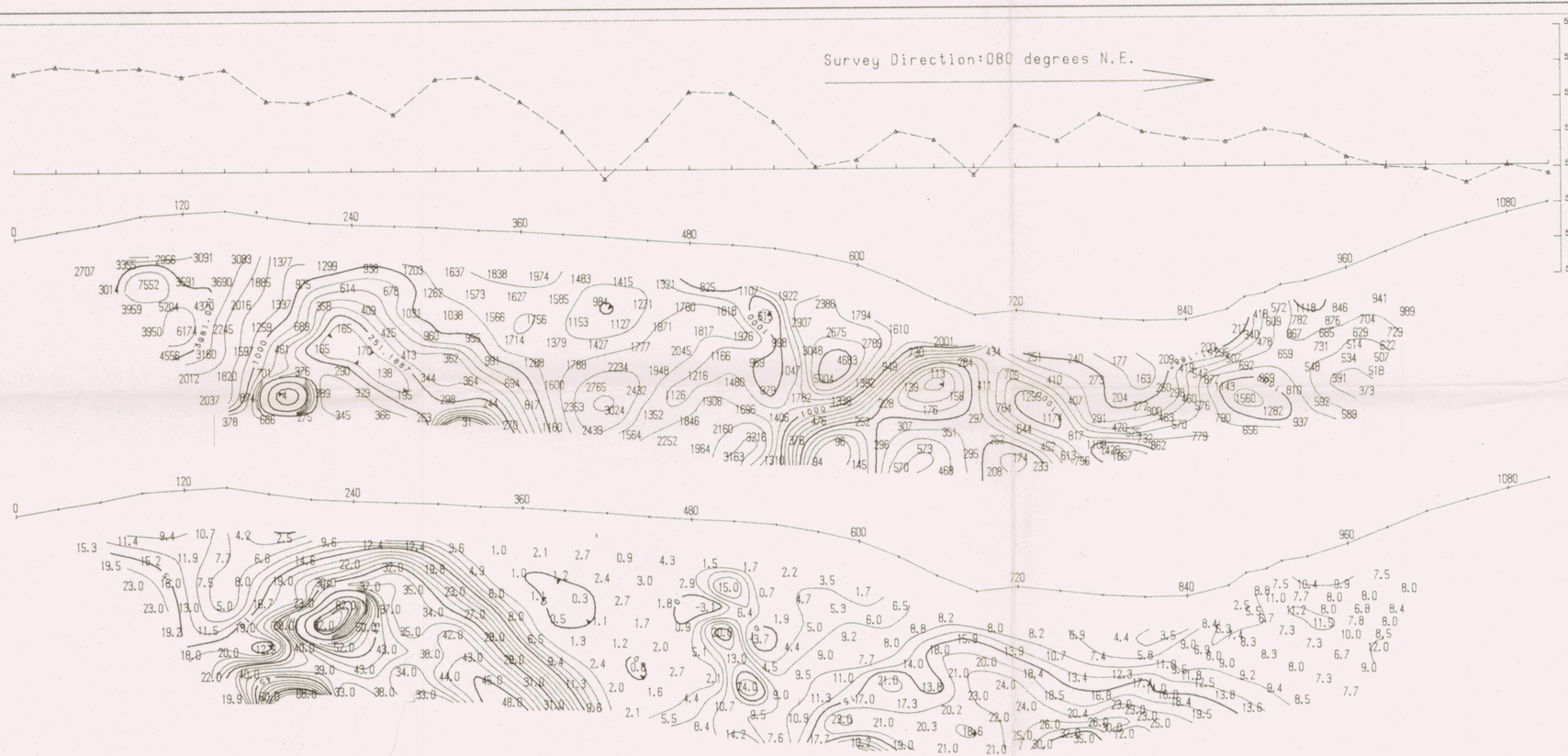
ARBOR RESOURCES INC.

# FRENCH GULCH GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 735S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-0-14 | 1:2500 | Sept/90 | FG-16 |



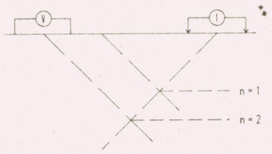

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 feet(15 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

PROFILE LEGEND

Magnetic profile
Scale: 1 cm = 20 gammas

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# FRENCH GULCH GRID

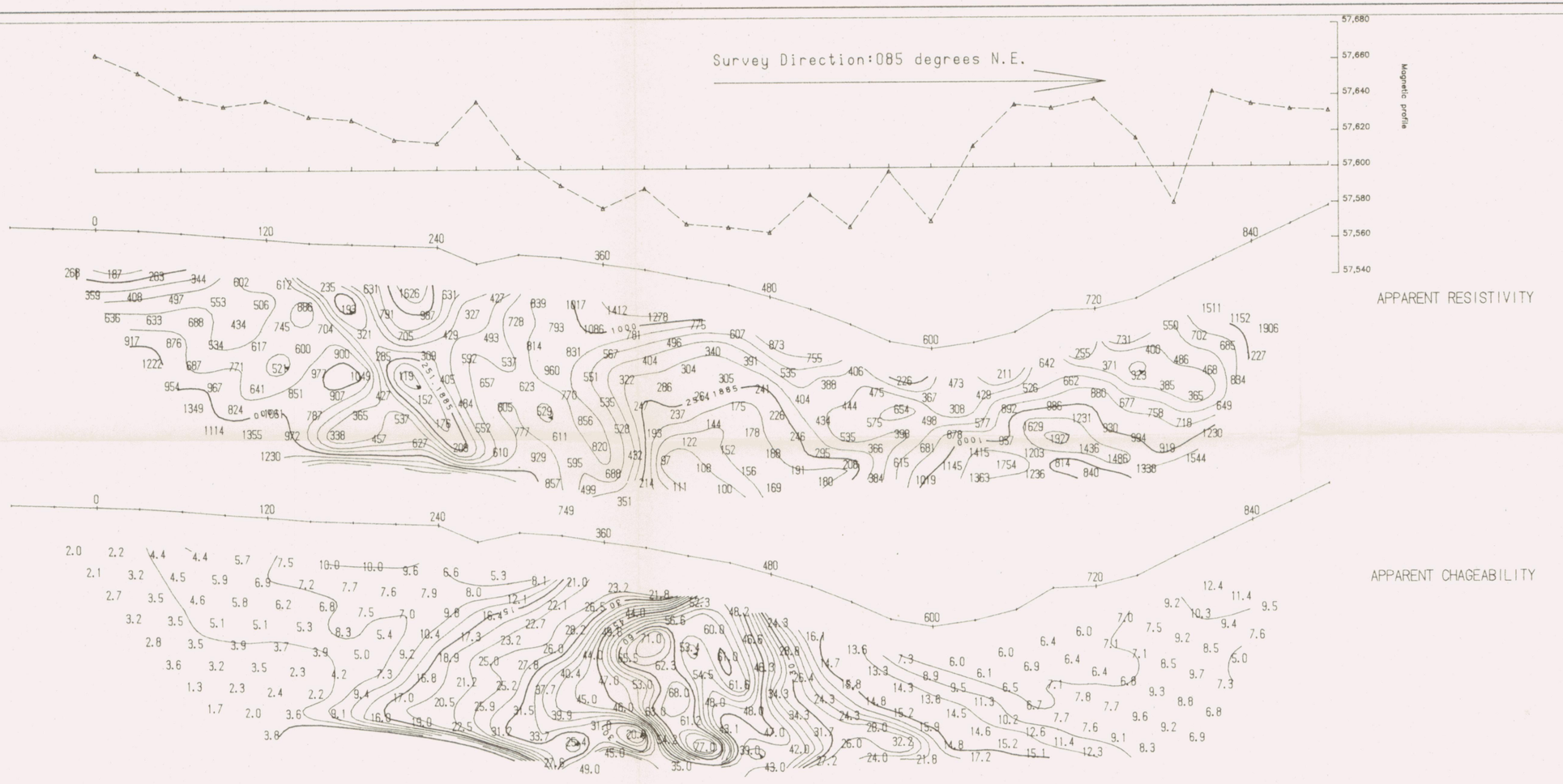
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 855S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-O-14 | 1:2500 | Sept/90 | FG-17 |

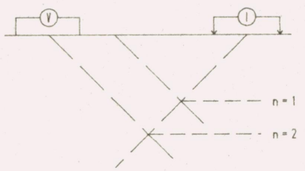
MAP# 115/O/14 Doc# 092969 (120)

FRENCH-56 173




Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 feet(15 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

### PROFILE LEGEND

Magnetic profile
Scale: 1 cm = 20 gammas

MAP# 115/0/14 Doc# 092969 (116)

GEOTRONICS SURVEYS LTD.

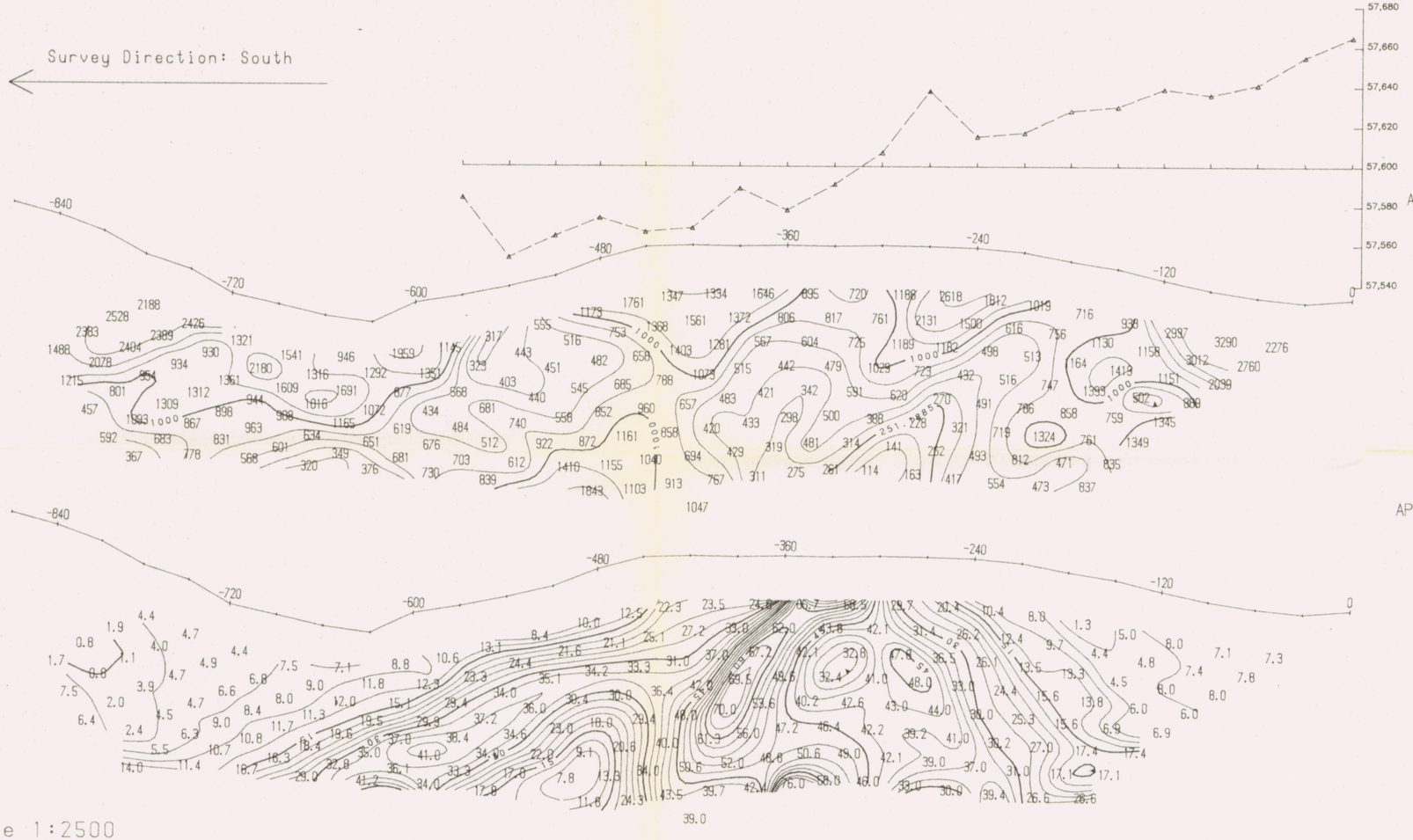
ARBOR RESOURCES INC.

# FRENCH GULCH GRID

DAWSON CITY, YUKON

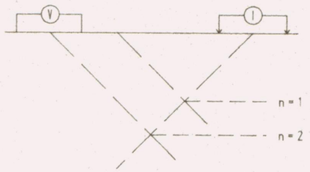
APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 999(4+25S)

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-0-14 | 1:2500 | Sept/90 | FG-13 |




Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 feet(15 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

PROFILE LEGEND

Magnetic profile
Scale: 1 cm = 20 gammas

MAP# 115/0/14 Doc# 092969 (114)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

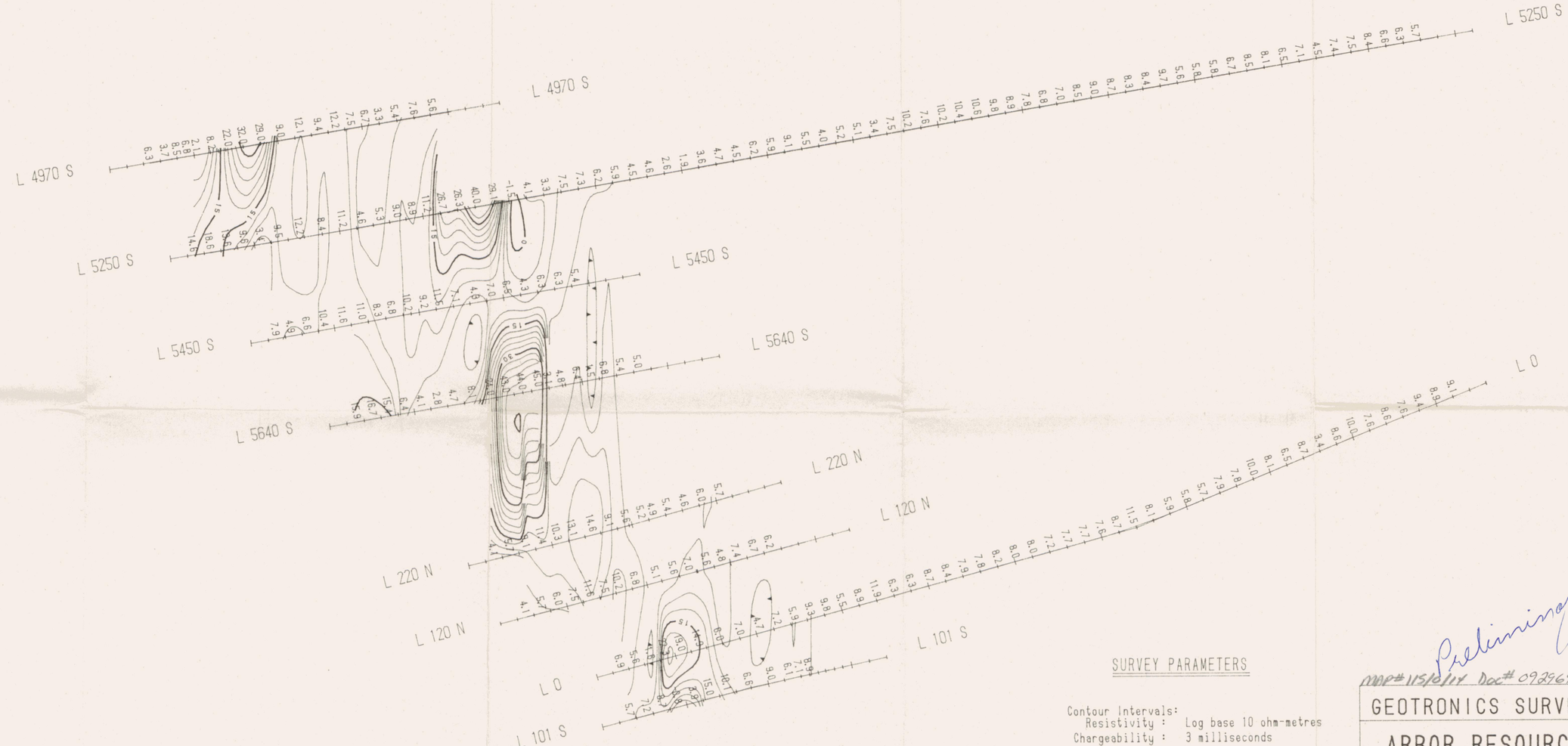
# FRENCH GULCH GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 360E

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-05 | 115-0-14 | 1:2500 | Sept/90 | FG-11 |

168
FRENCH - 50




Scale 1:5000

50 0 50 100 150 200 250

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Preliminary

MAP# 115/O/14 Doc# 092969 (32)

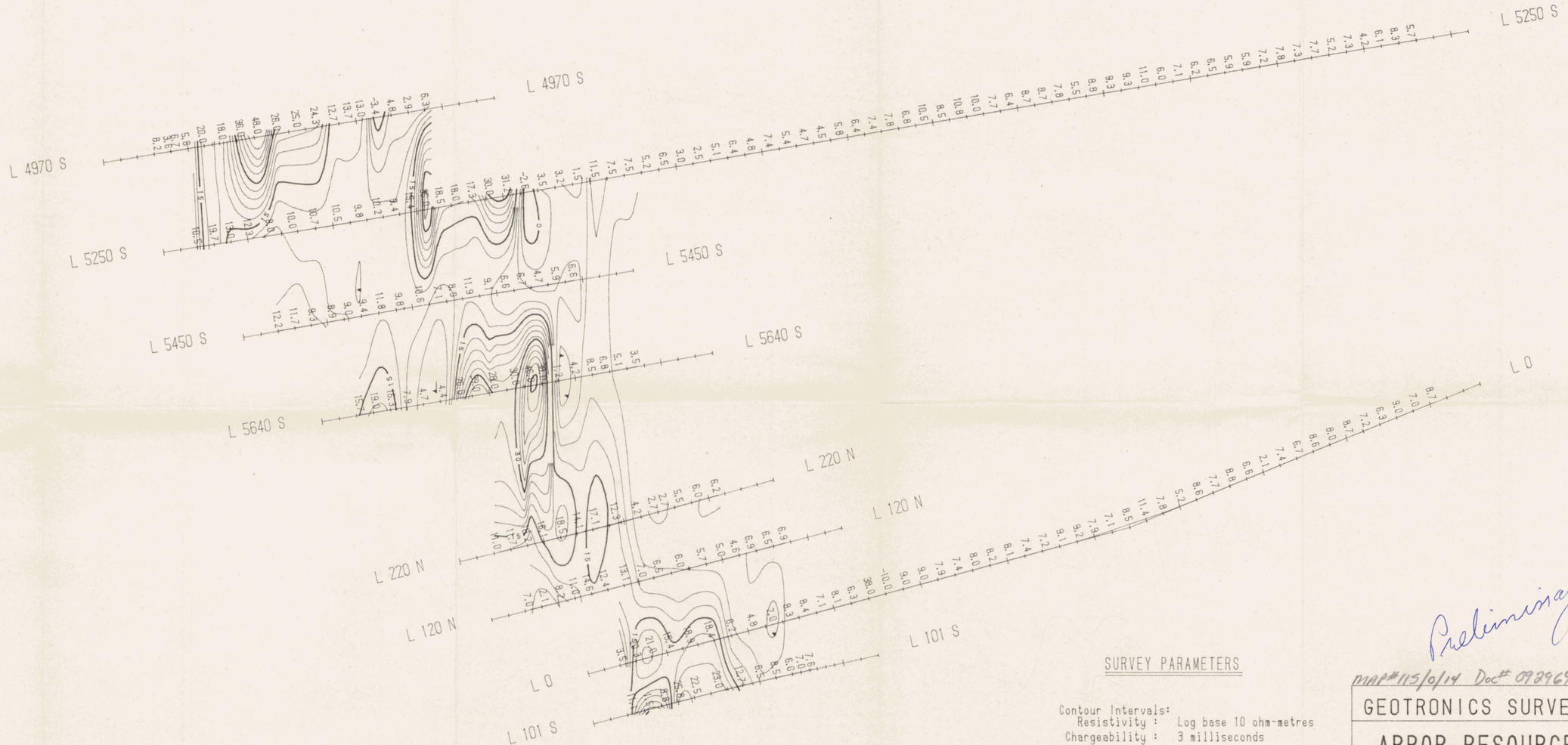
GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# ORO-GAY GRID
DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
Data and Contours
For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-O-14 | 1:5000 | Nov/90 | 57 |

092969 185




Scale 1:5000

50 0 50 100 150 200 250

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

Preliminary

MAP#115/0/14 Doc# 092969 (33)

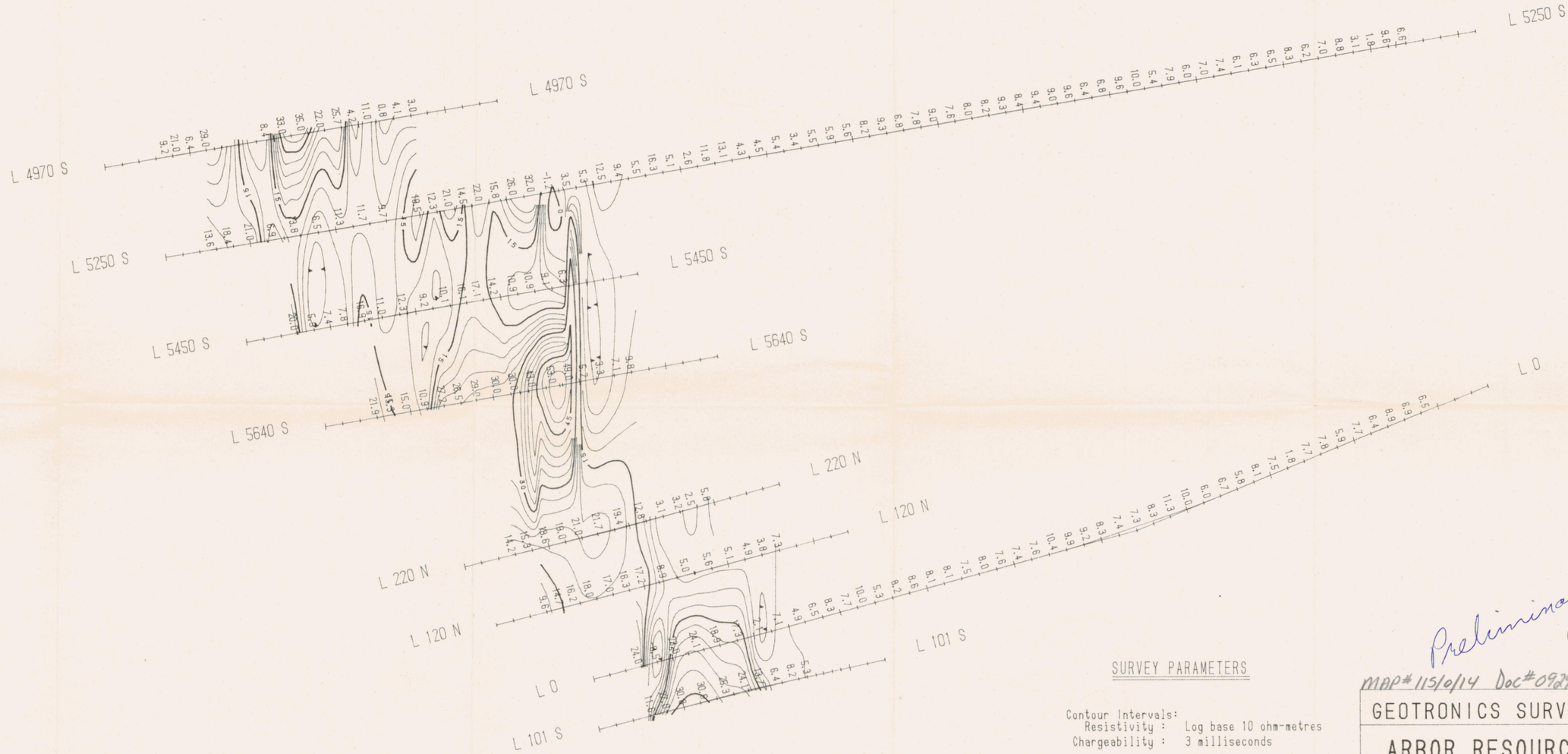
GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# ORO-GAY GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
Data and Contours
For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | 58 |

092969 186




Scale 1:5000

50 0 50 100 150 200 250

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

Preliminary

MDP# 115/0/14 Doc# 092969 (134)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# ORO-GAY GRID
## DAWSON CITY AREA

## Apparent CHARGEABILITY Survey
Data and Contours
For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | 59 |

092969 187

Scale 1:5000

50 0 50 100 150 200 250

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

Preliminary

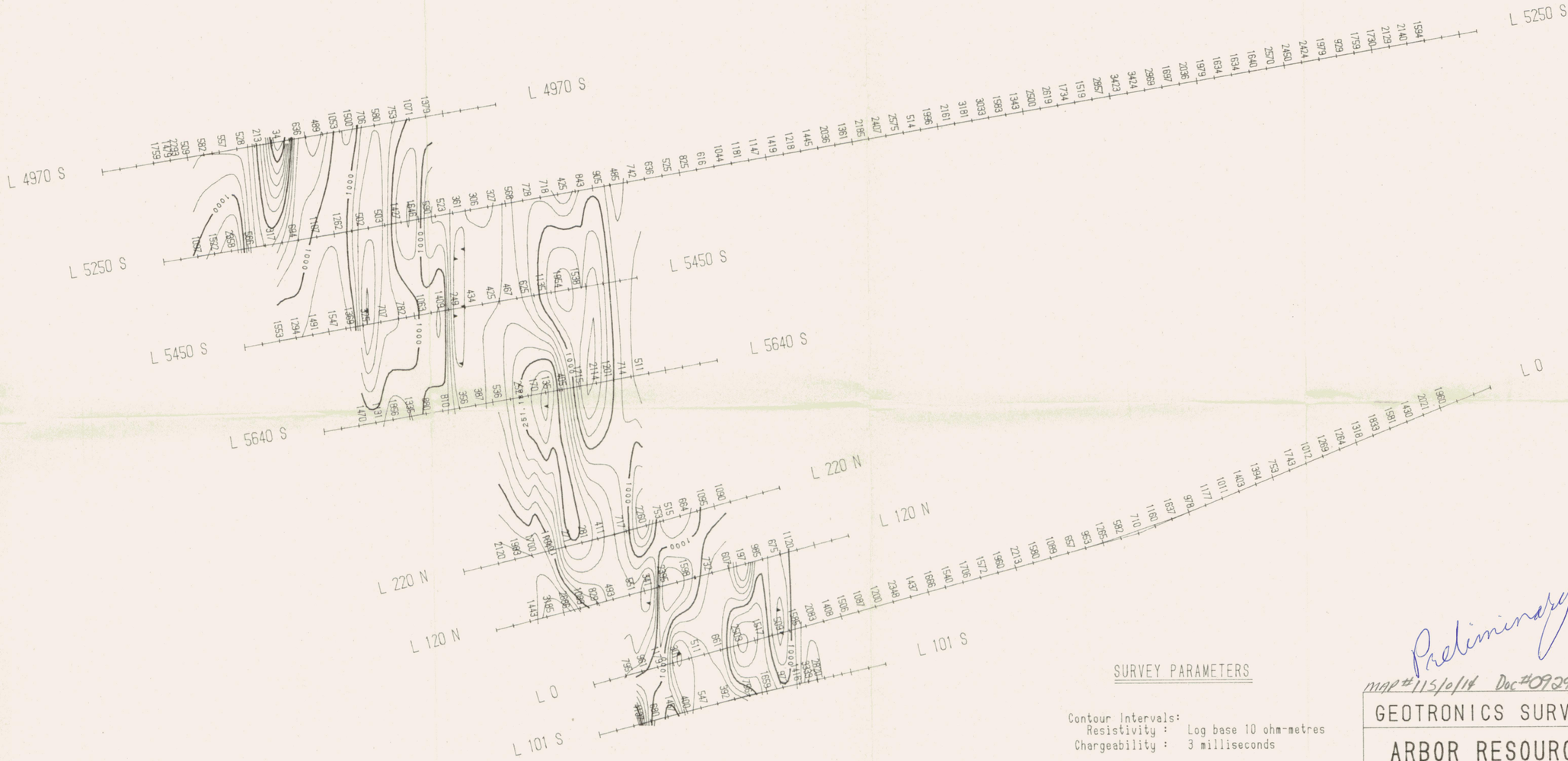
MAP# 115/0/14 Doc# 092969 (135)

GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# ORO-GAY GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
## Data and Contours
## For Level n=2

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | 60 |




Scale 1:5000

50 0 50 100 150 200 250

(metres)

SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

Preliminary

map #115/0/14 Doc #092969 (136)

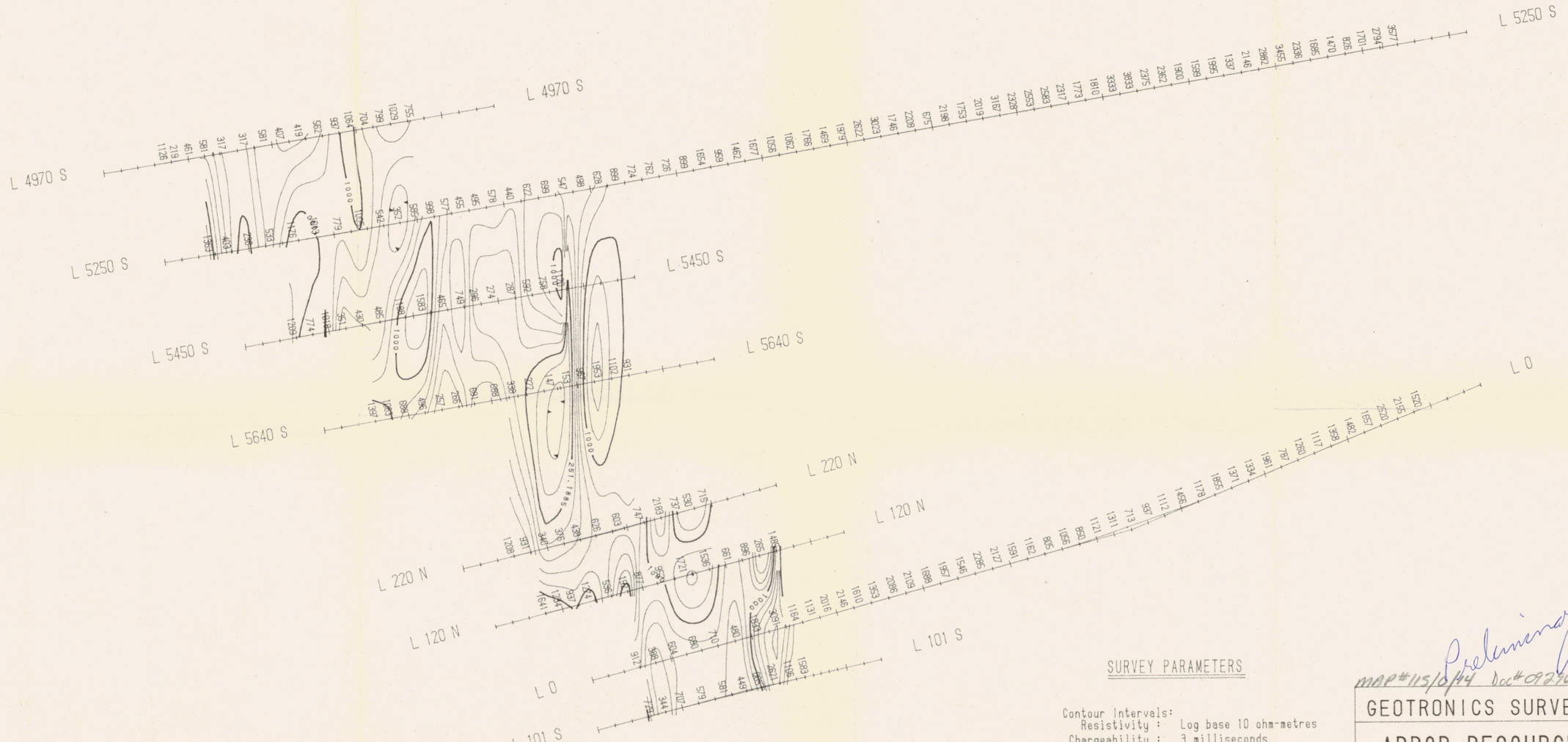
GEOTRONICS SURVEYS LTD.

# ARBOR RESOURCES LTD
# ORO-GAY GRID
## DAWSON CITY AREA

## Apparent RESISTIVITY Survey
Data and Contours
For Level n=4

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-0-14 | 1:5000 | Nov/90 | 61 |

092969 189




Scale 1:5000

50 0 50 100 150 200 250

(metres)

## SURVEY PARAMETERS

Contour Intervals:
Resistivity : Log base 10 ohm-metres
Chargeability : 3 milliseconds

Trend Enhancement: 000 degrees
Receiver: Huntec Mark IV
Transmitter: Phoenix IPT-1
Generator: Phoenix MG-2
2.5 kWatt, with
5.0 HP Honda engine

Surveyed by GEOTRONICS SURVEYS LTD..
September 1990

Preliminary

MAP# 115/O/14 Doc# 092769 (137)

GEOTRONICS SURVEYS LTD.

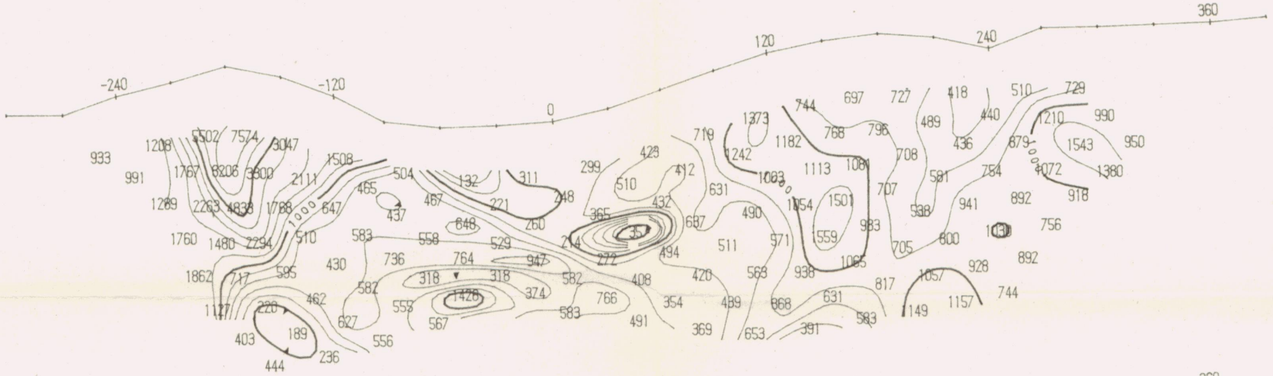
# ARBOR RESOURCES LTD
# ORO-GAY GRID
DAWSON CITY AREA

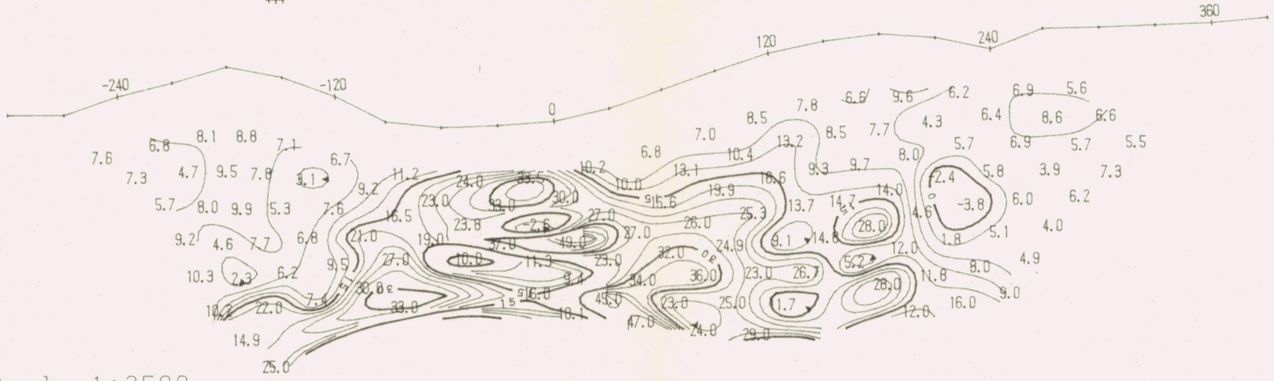
## Apparent RESISTIVITY Survey
Data and Contours
For Level n=6

| Drawn by | N.T.S. | Scale | Date | Map # |
|---|---|---|---|---|
| P.C. | 115-O-14 | 1:5000 | Nov/90 | 62 |

190 092069

Survey Direction: 80 degrees N.E.



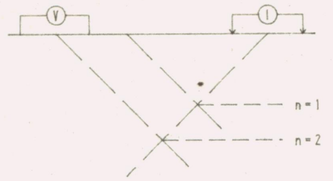

Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

MAP# 115/0/14 Doc# 092969 (85)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# ORO GRANDE GRID

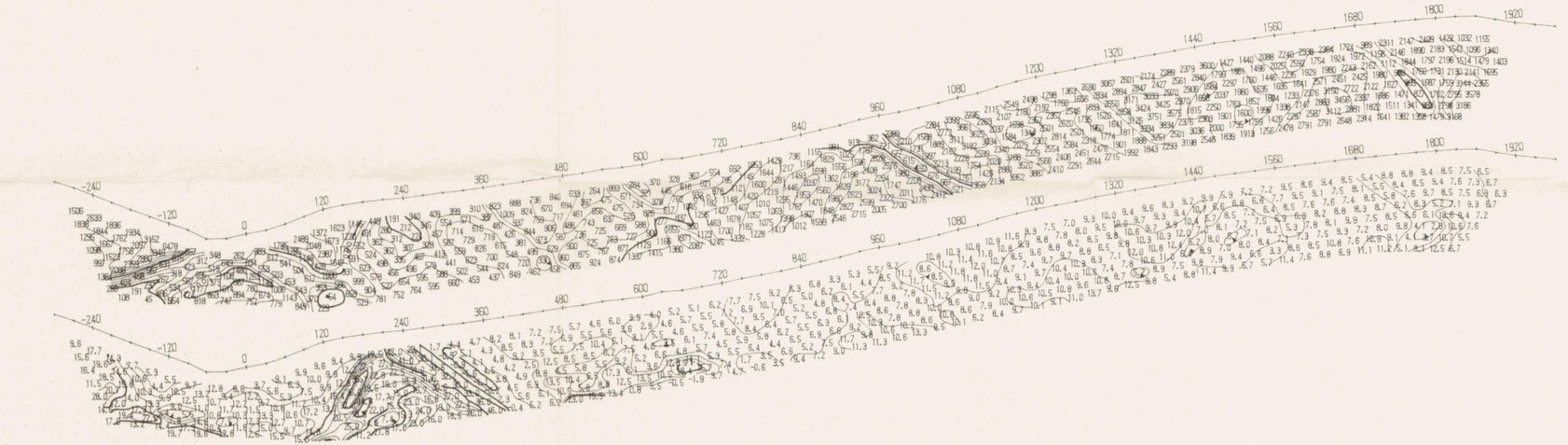
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 49+70S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-0-14 | 1:2500 | Sept/90 | OG-11 |

ORO-63
140

Survey Direction: 80 degrees N.E.




APPARENT RESISTIVITY

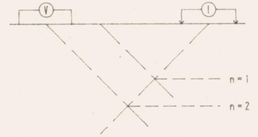
APPARENT CHARGEABILITY

Scale 1:5000

50 0 50 100 150 200 250
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




LEGEND

Contour intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 8 |

MAP 115/0/14 Doc# 62969 (28)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

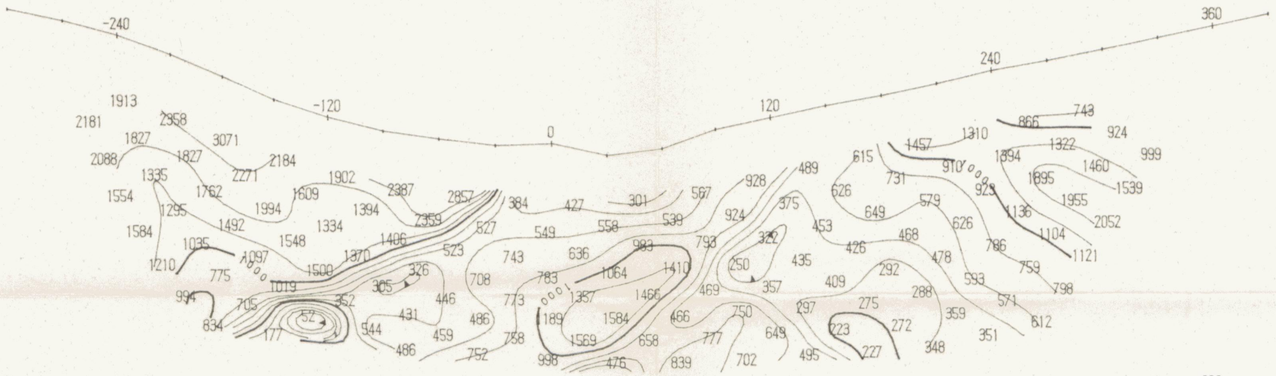
# ORO GRANDE GRID

DAWSON CITY, YUKON

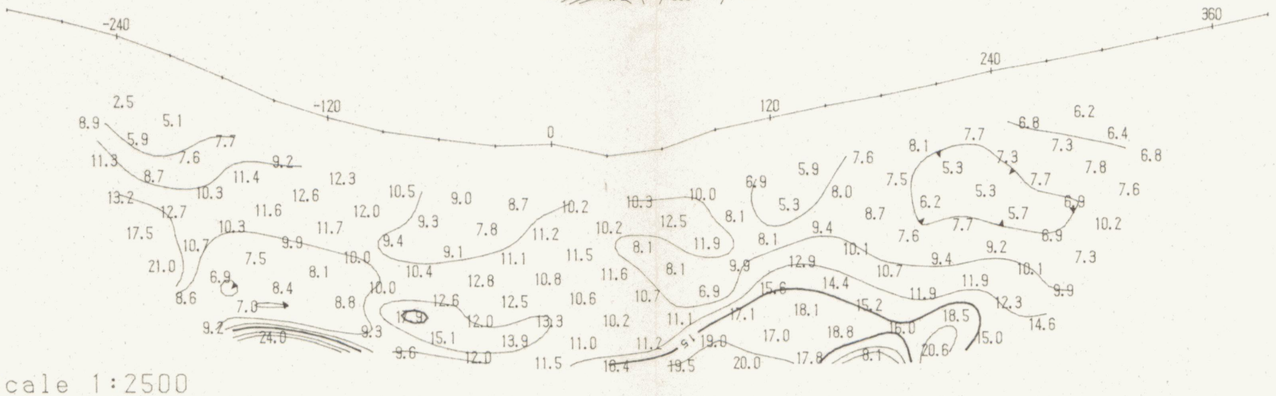
APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 52+50S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-0-14 | 1:5000 | Sept/90 | OG-12 |

Survey Direction: 80 degrees N.E.




APPARENT RESISTIVITY



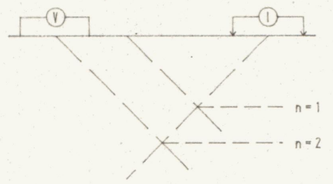

APPARENT CHARGEABILITY

Scale 1:2500

25 0 25 50 75 100 125
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

MAP#115/0/14 Dat#092969 (87)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# ORO GRANDE GRID

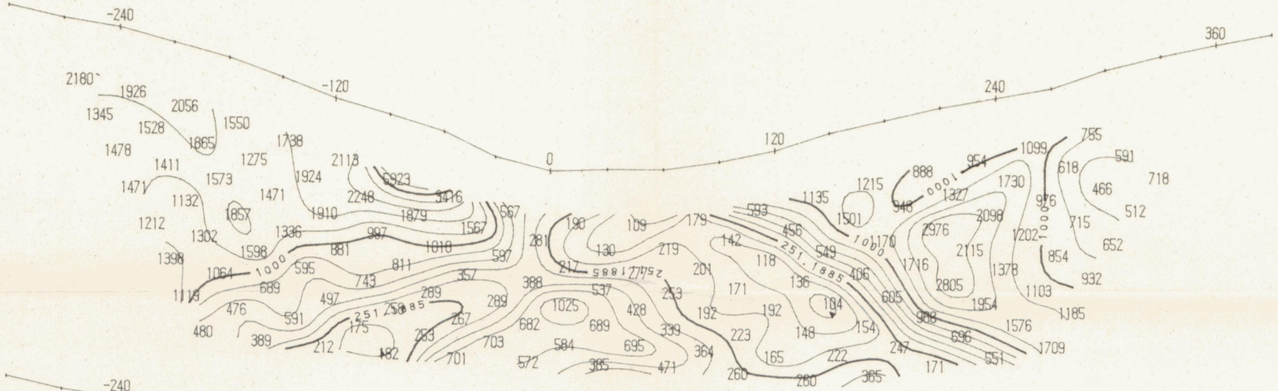
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 54+50S

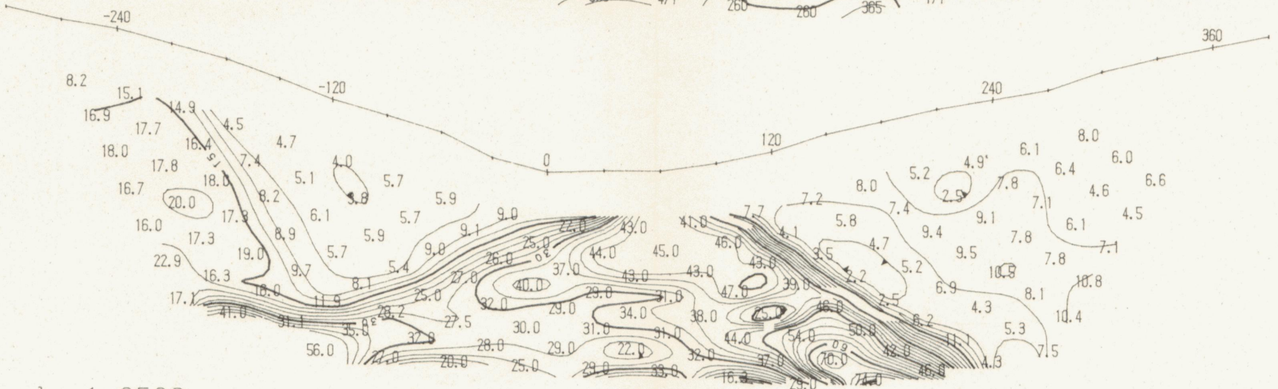
| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-0-14 | 1:2500 | Sept/90 | 06-13 |

ORO-65
142

Survey Direction: 80 degrees N.E.




APPARENT RESISTIVITY




APPARENT CHARGEABILITY

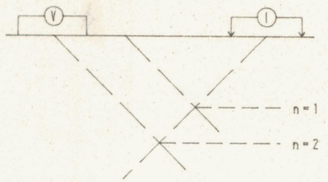
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervels:
Resistivity : log base 10 ohm-metres

Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# ORO GRANDE GRID

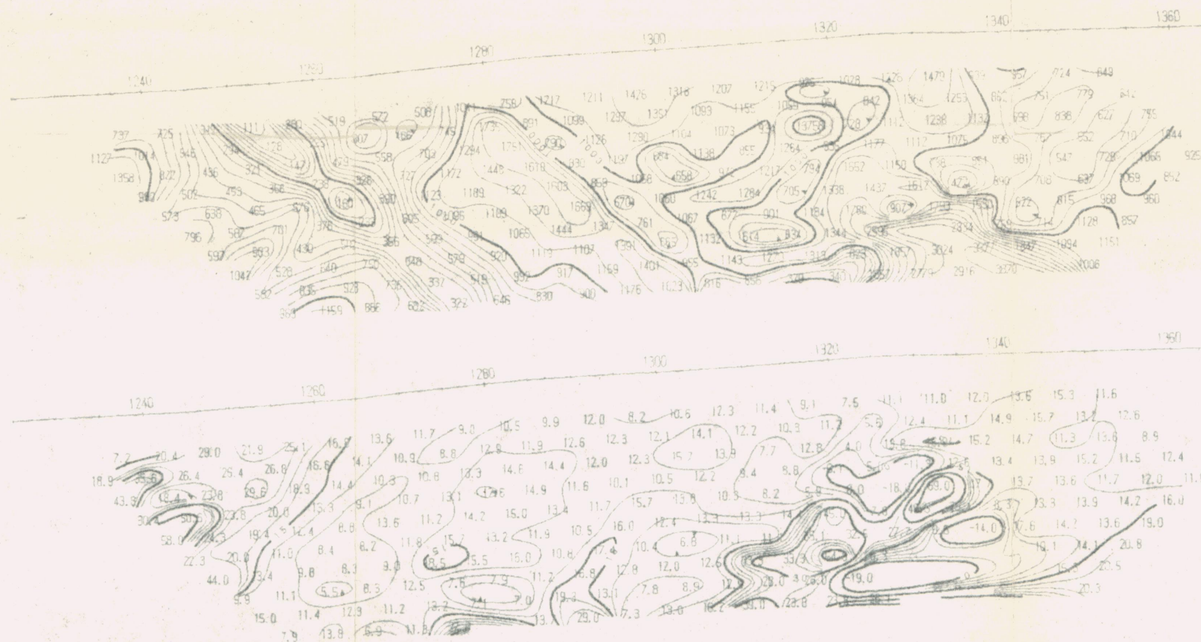
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 56+40S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-O-14 | 1:2500 | Sept/90 | OG-14 |

143 ORO-66

Survey Direction: 80 degrees N.E.




APPARENT RESISTIVITY



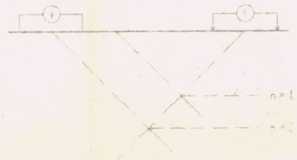

APPARENT CHARGEABILITY

Scale 1:500

5 0 5 10 15 20 25
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity: log base 10 ohm-metres
Chargeability: milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 2.5 KWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 15 feet(5 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 4 second square wave |

Map#115/0/14 Doc#092969 (72)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# GAY GULCH GRID

DAWSON CITY, YUKON

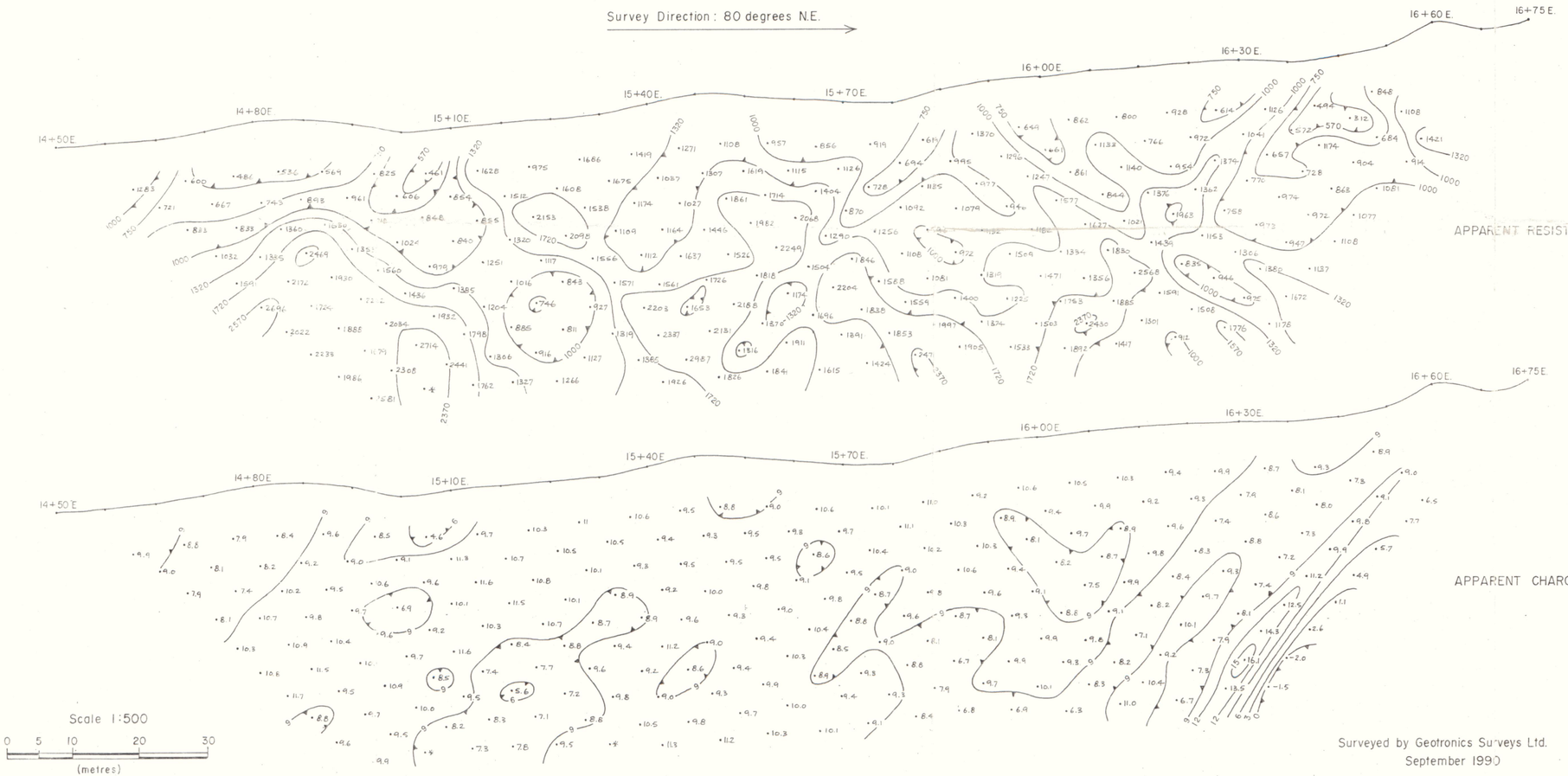
APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 0+04N

| Drawn by: | Job No: | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-0-14 | 1:500 | Sept/90 | GG-15 |

GAY - 71

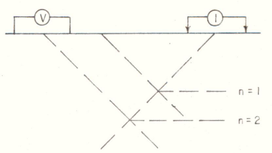


(128)




Surveyed by Geotronics Surveys Ltd.
September 1990

Pseudosection Plotting Method




## LEGEND

Contour Intervals :
Resistivity: log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array : | Double-Dipole |
| Dipole Length : | 7.5 metres |
| Dipole separation: | n = 1 to 10 |
| Delay Time : | 200 milliseconds |
| Integration Time : | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

map# 115/0/14 Doc# 09/7969 (145)

GEOTRONICS SURVEYS LTD.

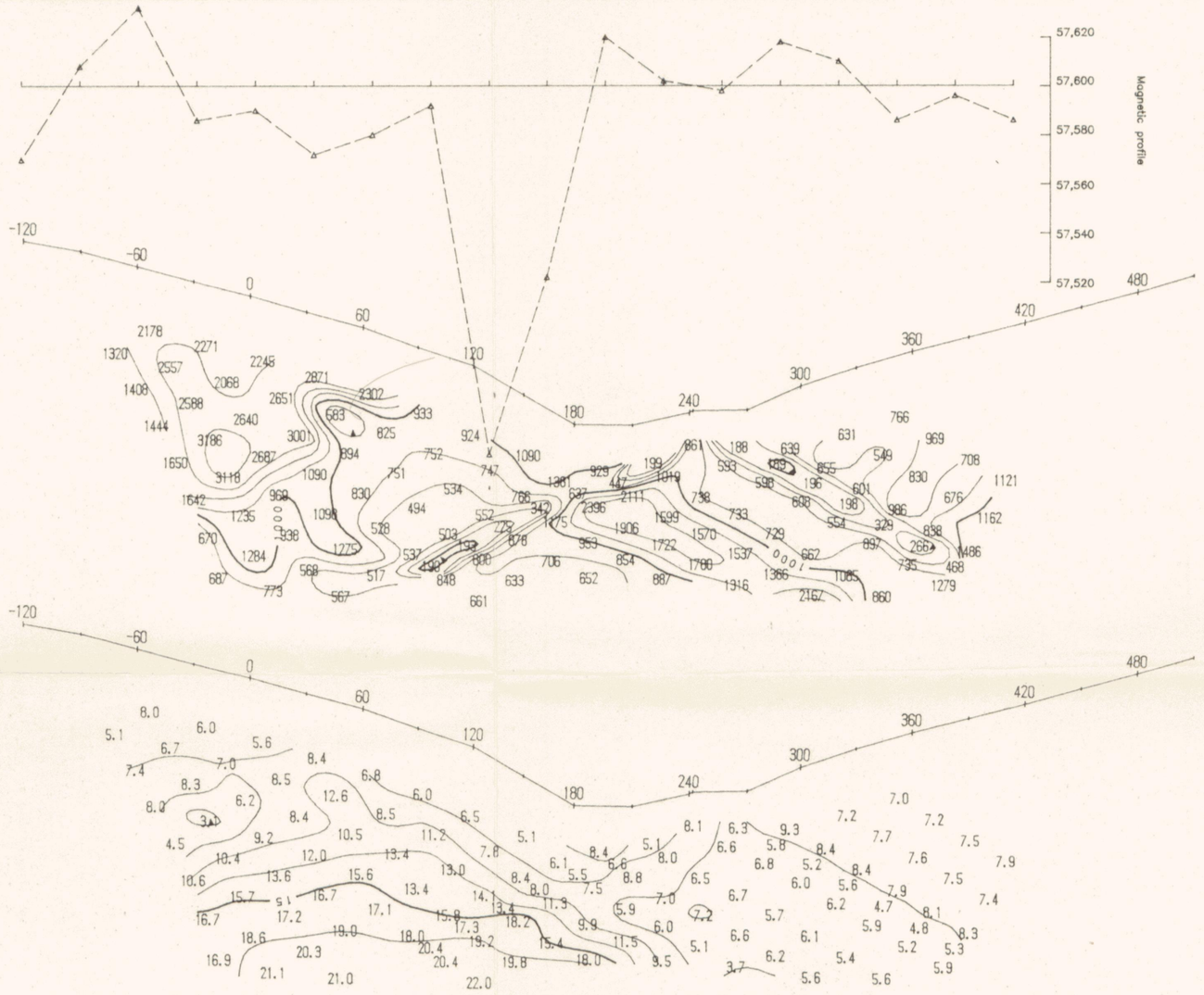
ARBOR RESOURCES INC.

# GAY GULCH GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE No. (DETAIL) 0+10N.

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| J.W. | 90-06 | 115-0-14 | 1:500 | Sept./90 | GG-16 |




APPARENT RESISTIVITY




APPARENT CHAGEABILITY

Survey Direction: 030 degrees N.E.

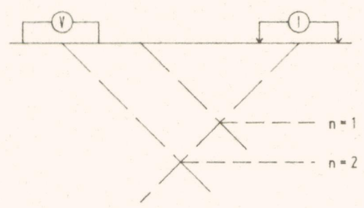
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

## Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 feet(15 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 millseconds |
| Charge Cycle: | 8 second square wave |

### PROFILE LEGEND

Magnetic profile
Scale: 1 cm = 20 gammas

MAP #115/0/14 Doc #092969 (68)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# GAY GULCH GRID

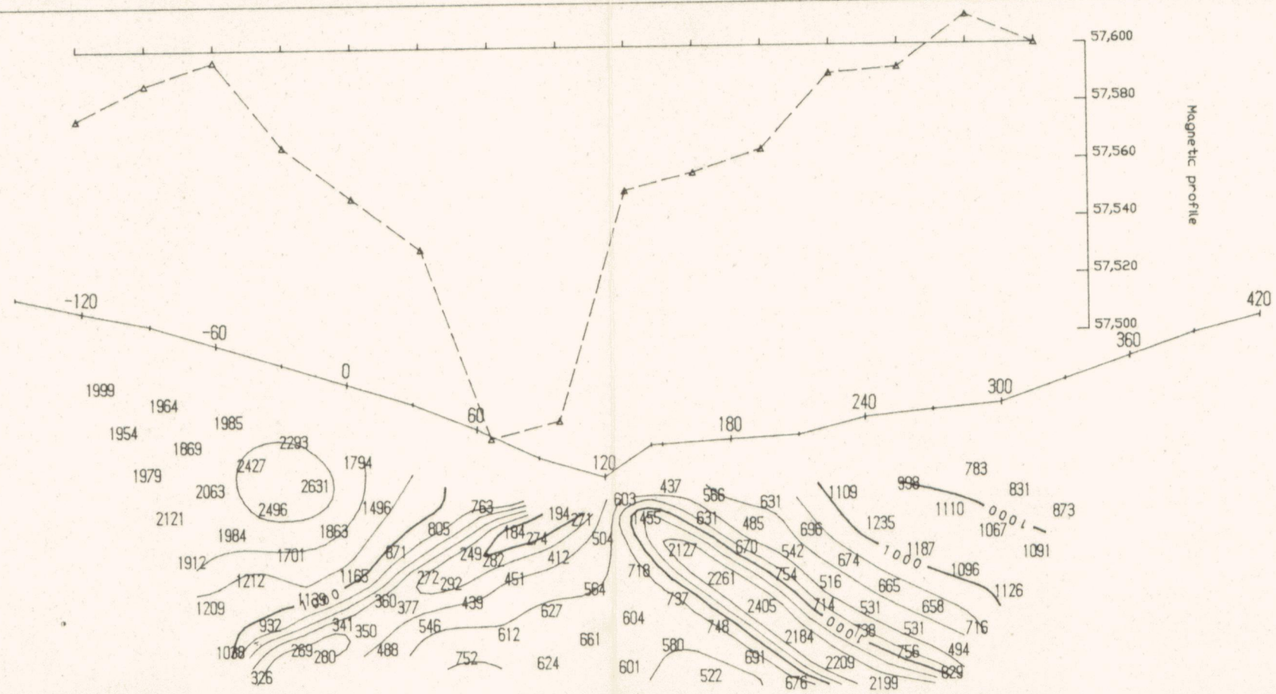
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 120N

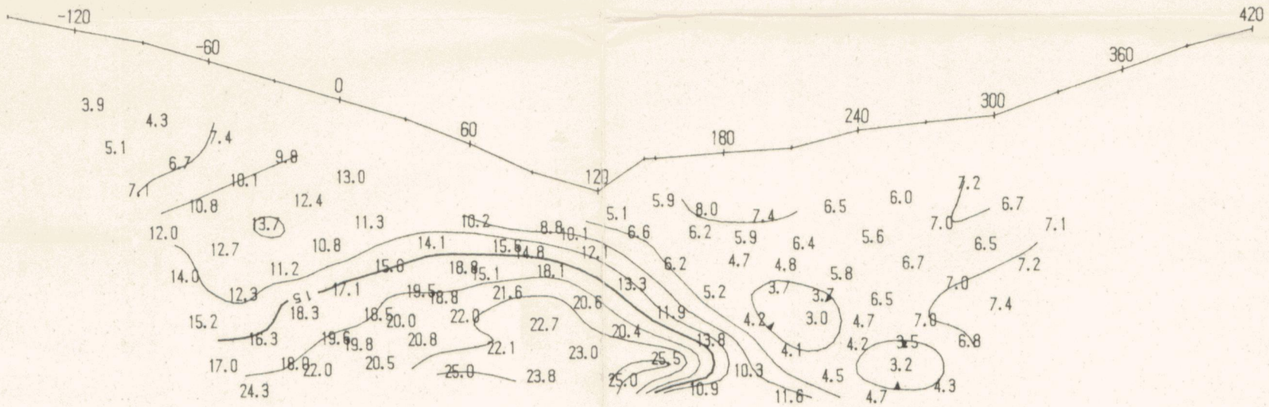
| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-0-14 | 1:2500 | Sept/90 | GG-12 |

(124)

GAY - 68




APPARENT RESISTIVITY




APPARENT CHAGEABILITY

Survey Direction: 030 degrees N.E.

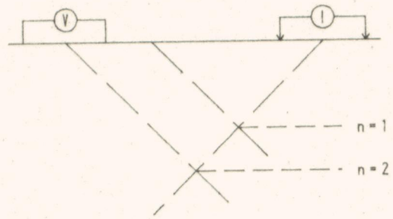
Scale 1:2500

25 0 25 50 75 100 125

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

## Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 feet(15 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

PROFILE LEGEND

Magnetic profile
Scale: 1 cm = 20 gammas

MAP# 115/0/14 Doc#092969 (67)

GEOTRONICS SURVEYS LTD.

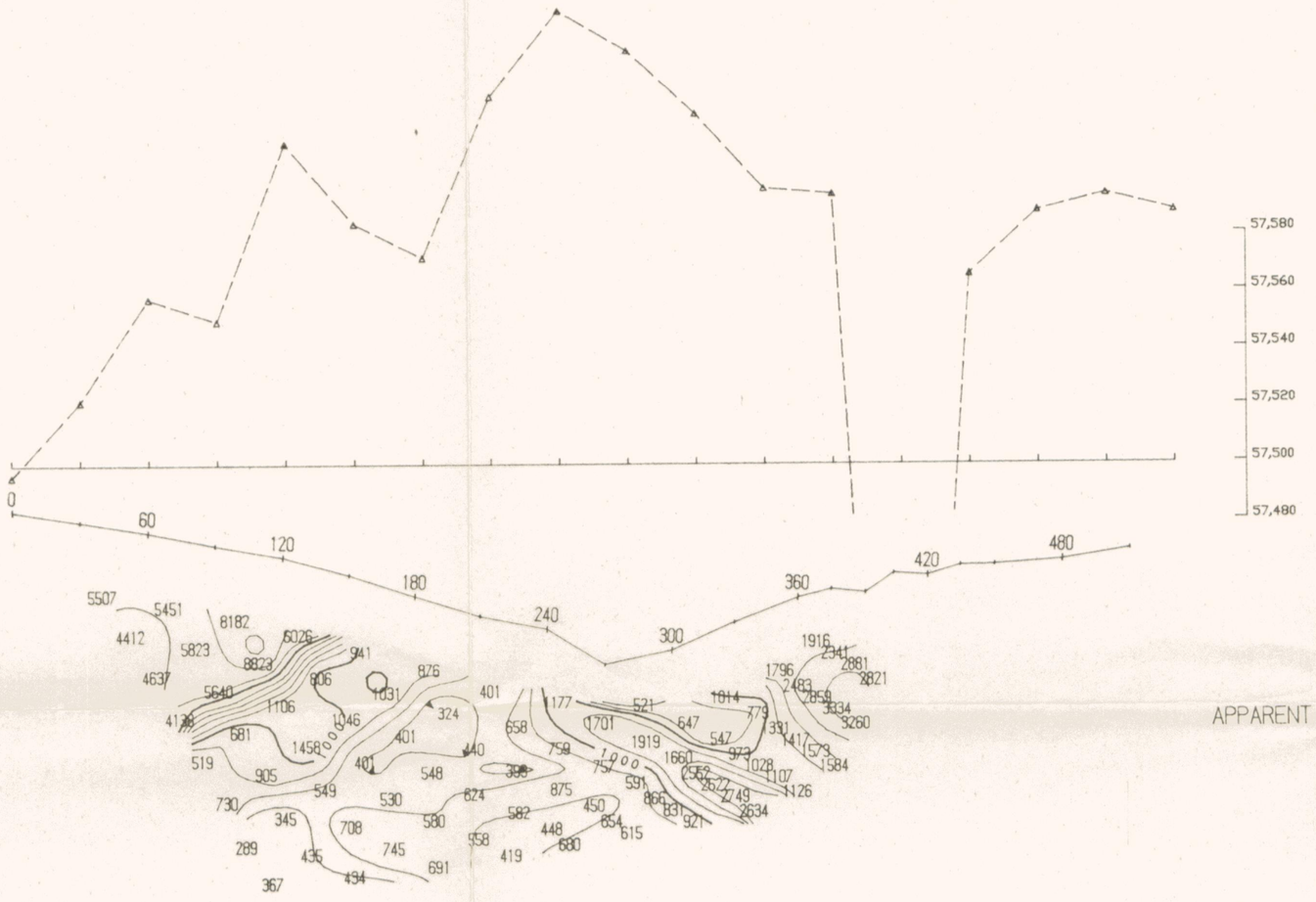
ARBOR RESOURCES INC.

# GAY GULCH GRID

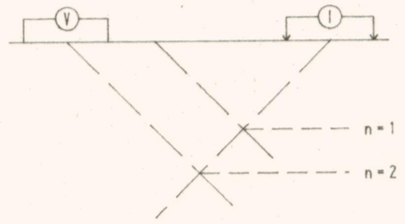
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 220N

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-06 | 115-0-14 | 1:2500 | Sept/90 | GG-11 |




## Pseudosection Plotting Method




## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

### INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

### SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 50 feet(15 metres) |
| Dipole separation: | n=1 to 10 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

### PROFILE LEGEND

Magnetic profile
Scale: 1 cm = 20 gammas

MAP #115/0/14 Dat#092969

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

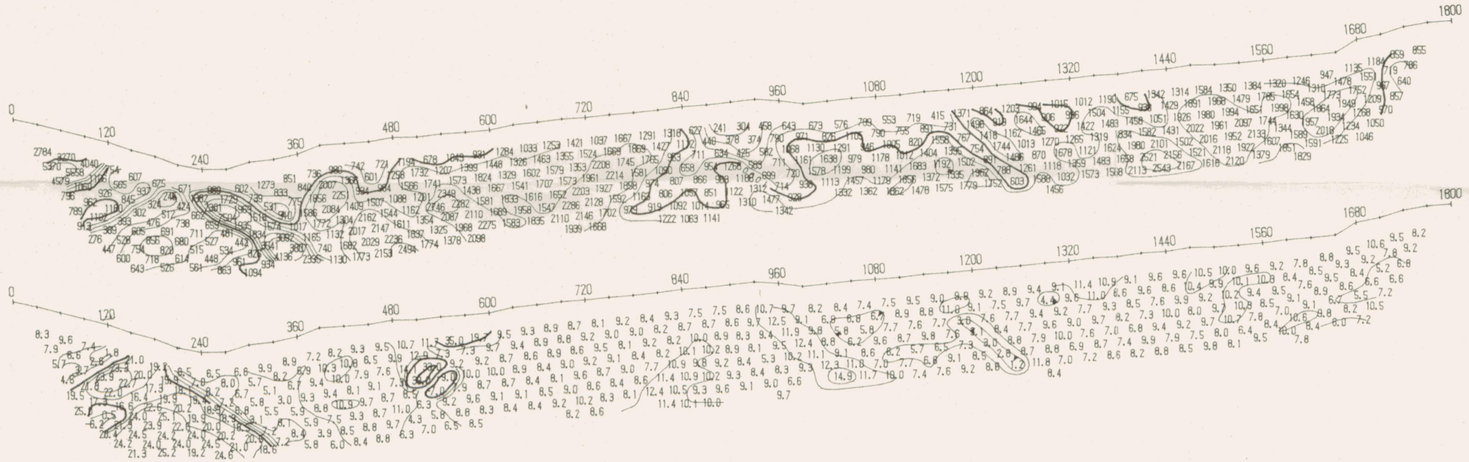
# GAY GULCH GRID

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 100S

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-05 | 115-0-14 | 1:2500 | Sept/90 | G-G-14 |

Survey Direction: 77 degrees N.E.




APPARENT RESISTIVITY



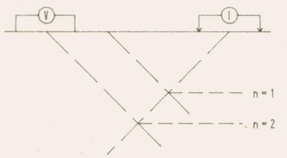

APPARENT CHARGEABILITY

Scale 1:5000

50 0 50 100 150 200 250
(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




LEGEND

Contour Intervels:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds
Survey Mode: Time Domain
Array: Double-Dipole
Dipole Length: 100 Feet(30 metres)
Dipole separation: n=1 to 8

MAP# 115/0/14 Doc# 092969 (69)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# GAY GULCH GRID

DAWSON CITY, YUKON

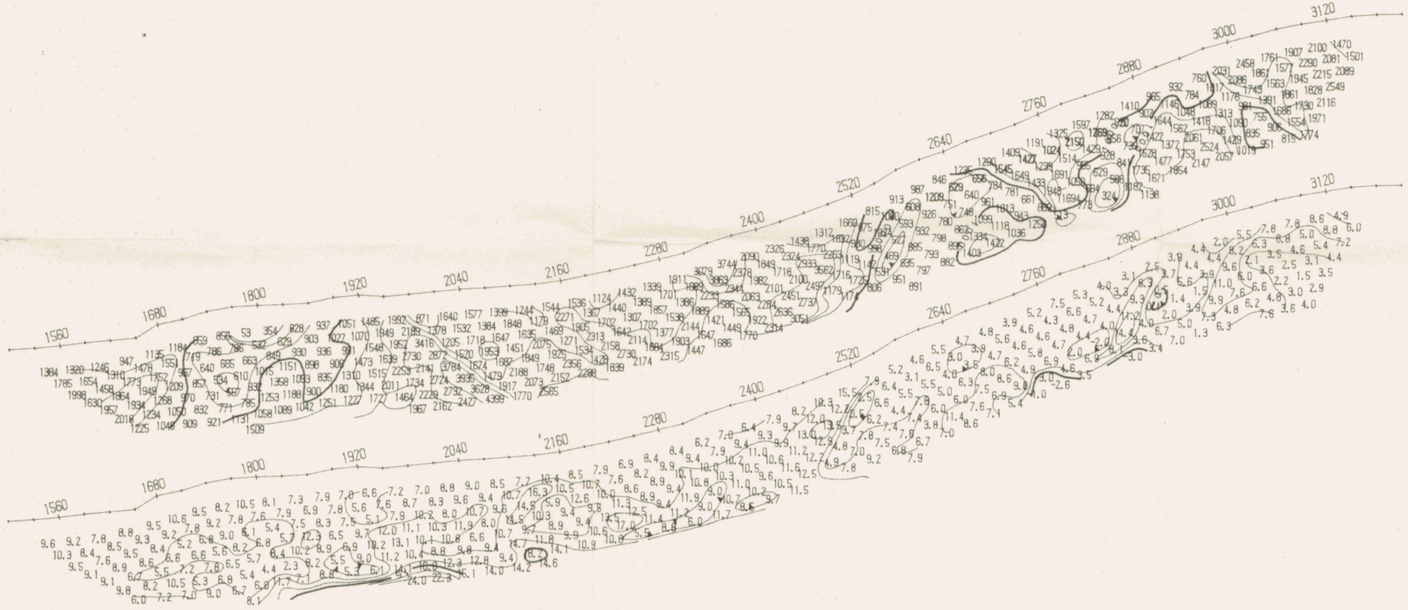
APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 0+00(W)

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-0-14 | 1:5000 | Sept/90 | GG-13(1) |

(125)

GAY - 69A

Survey Direction: 77 degrees N.E.



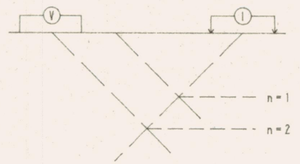

Scale 1:5000

50 0 50 100 150 200 250

(metres)

Surveyed by GEOTRONICS SURVEYS LTD.
September 1990

Pseudosection Plotting Method




LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 3 milliseconds

INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV 7.5 kWatt |

SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole seperation: | n=1 to 8 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

MAP # 115/0/14 Doc # 692969 (70)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES INC.

# GAY GULCH GRID

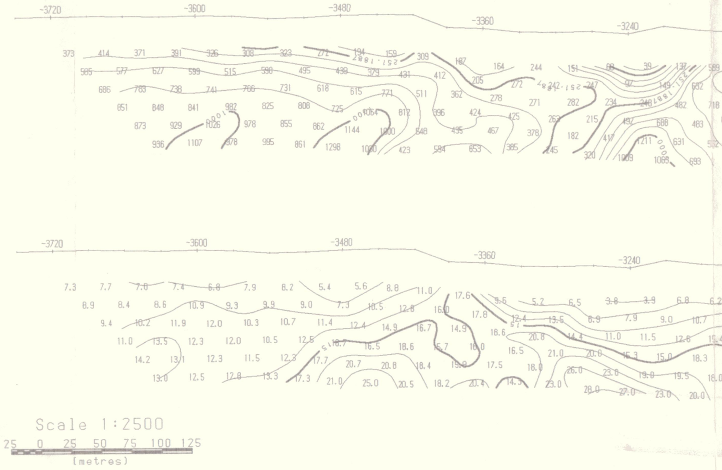
DAWSON CITY, YUKON

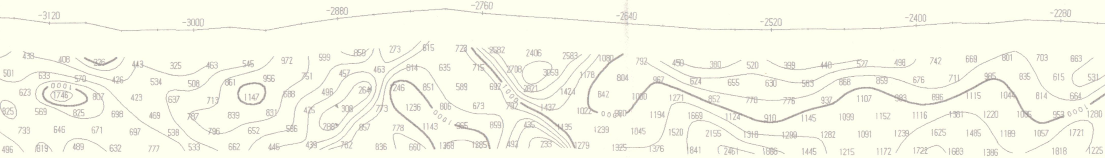
APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS
LINE 0+00(E)

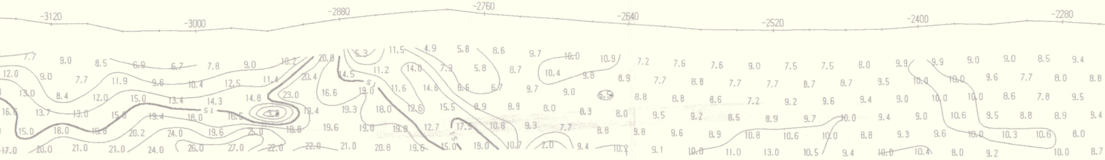
| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| AC | 90-07 | 115-0-14 | 1:5000 | Sept/90 | GG-13(6) |

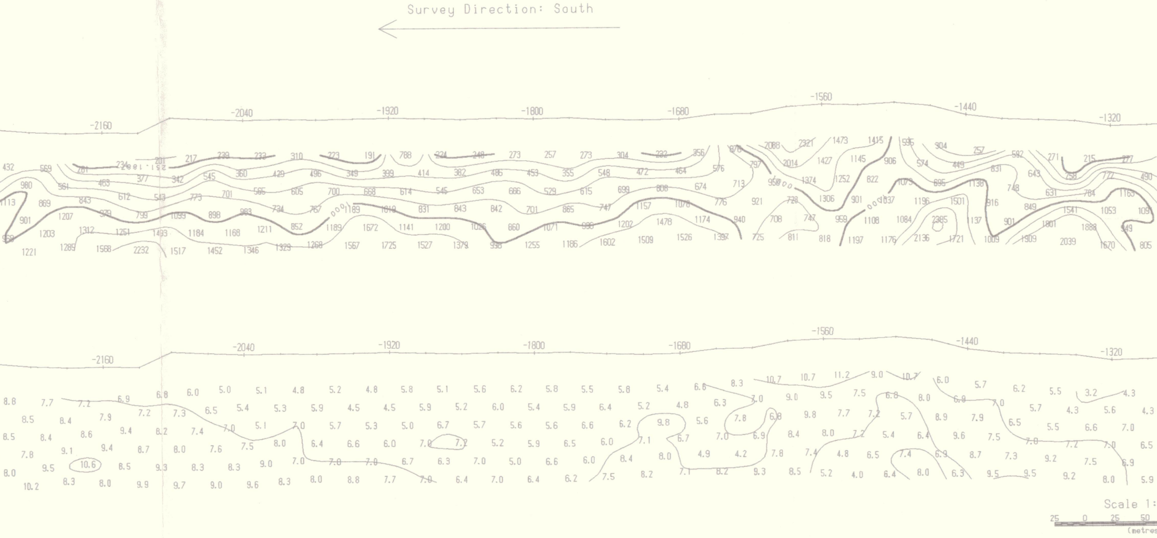
(126)

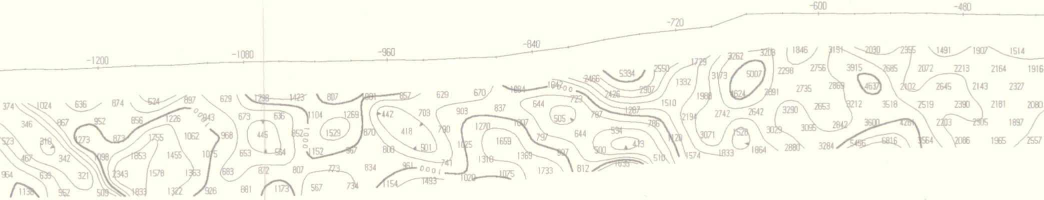
GAY - 69B

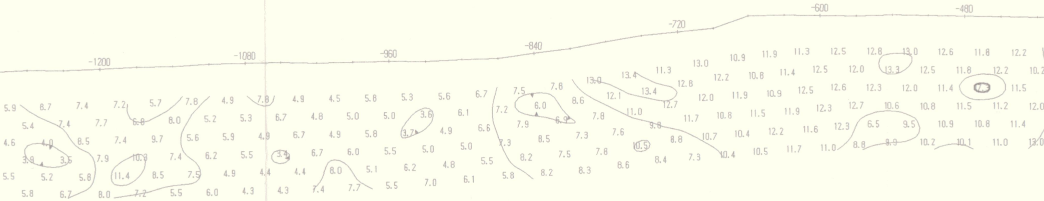

-3720
-3600
-3480
-3360
-3240
-3720
-3600
-3480
-3360
-3240
Scale 1:2500
25 0 25 50 75 100 125
(metres)


-3120
-3000
-2880
-2760
-2640
-2520
-2400
-2280
1000


-3120
-3000
-2880
-2760
-2640
-2520
-2400
-2280
15


Survey Direction: South
-2160
-2040
-1920
-1800
-1680
-1560
-1440
-1320
-2160
-2040
-1920
-1800
-1680
-1560
-1440
-1320
Scale 1:
25
0
25
50
(metres

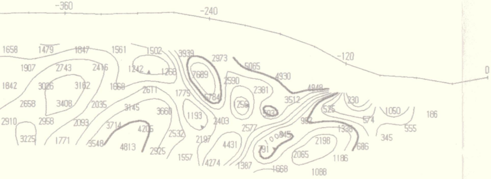

-1200
-1080
-960
-840
-720
-600
-480


-1200
-1080
-960
-840
-720
-600
-480

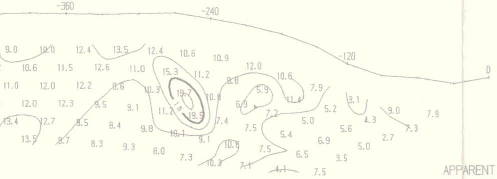
2500

75 100 125

This northern porti
southern portion by



APPARENT RESISTIVITY

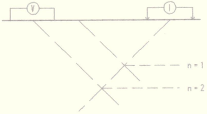


APPARENT CHARGEABILITY

on of the line overlaps the
approximately 360 metres

Surveyed by GEOTRONICS SURVEYS LTD.
October 1990

Pseudosection Plotting Method



LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 5 milliseconds

INSTRUMENTATION

Receiver:	Huntec Model MK IV
Transmitter/Generator:	Huntec Model MK IV 7.5 kWatt

SURVEY PARAMETERS

Survey Mode:	Time Domain
Array:	Double-Dipole
Dipole Length:	100 feet(30 metres)
Dipole separation:	n=1 to 8
Delay Time:	200 milliseconds
Integration Time:	1500 milliseconds
Charge Cycle:	8 second square wave

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES LTD

ELDORADO LINE

DAWSON CITY, YUKON

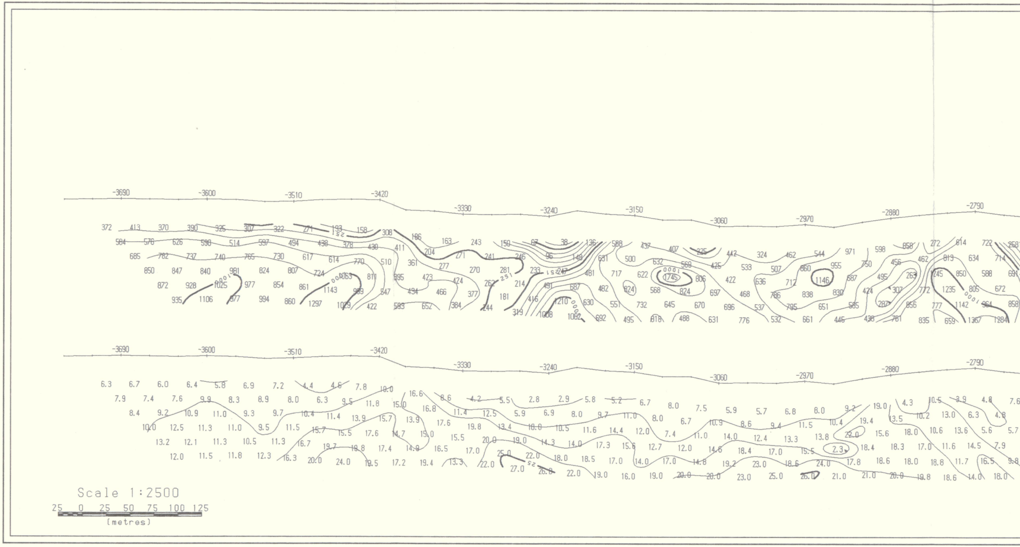
APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS

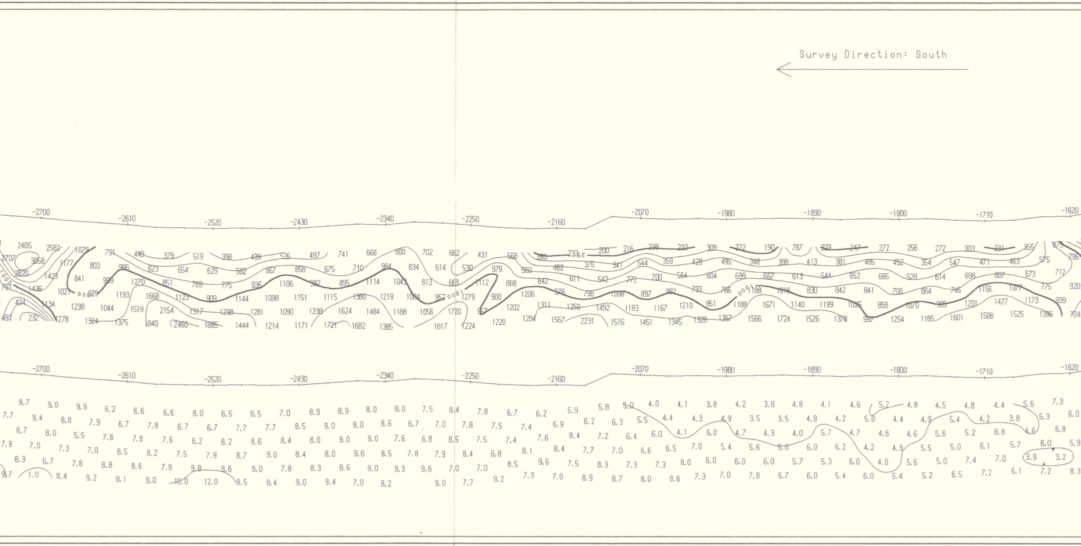
LINE 4+44 (North Half)

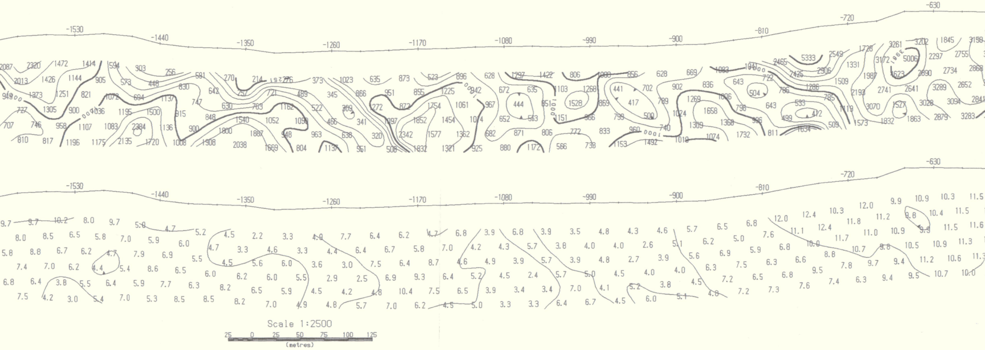
Drawn by:	Job No.	NTS	Scale	Date	Map No.
PC	90-07	115-0-14	1:2500	June/91	73A

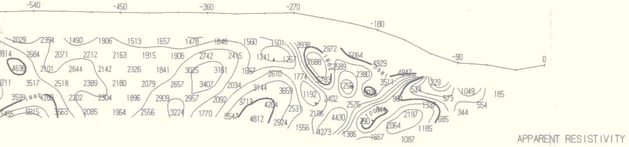
MAP# 115/0/14 Doc# 092969 (73)

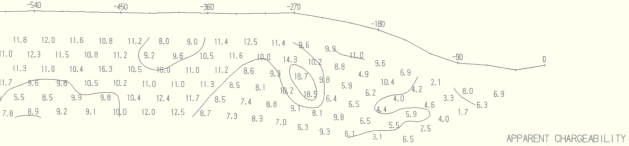
DWG 252




Survey Direction: South
-2700
-2610
-2520
-2430
-2340
-2250
-2160
-2070
-1980
-1890
-1800
-1710
-1620


-1530
-1440
-1350
-1260
-1170
-1080
-990
-900
-810
-720
-630
Scale 1:2500
25 0 25 50 75 100 125
(metres)

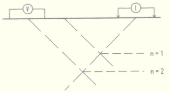




This northern portion of the line overlaps the
southern portion by approximately 360 metres

Surveyed by GEOTRONICS SURVEYS LTD.
October 1990

Pseudosection Plotting Method



LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 5 milliseconds

INSTRUMENTATION

Receiver:	Huntec Model MK IV
Transmitter/Generator:	Huntec Model MK IV 7.5 kWatt

SURVEY PARAMETERS

Survey Mode:	Time Domain
Array:	Double-Dipole
Dipole Length:	100 feet(30 metres)
Dipole separation:	n=1 to 6
Delay Time:	200 milliseconds
Integration Time:	1500 milliseconds
Charge Cycle:	8 second square wave

DWG 128

MAP#115/0/14 Doc# 092969 (91)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES LTD

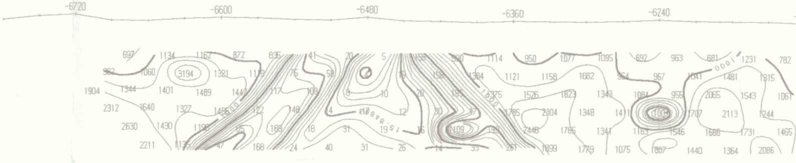
ELDORADO LINE

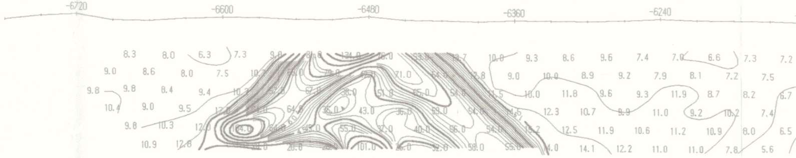
DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS LINE 4+44 (North Half)

Drawn by:	Job No.	NTS	Scale	Date	Map No.
PC	90-07	115-0-14	1:2500	June/91	EC-5(b)

255

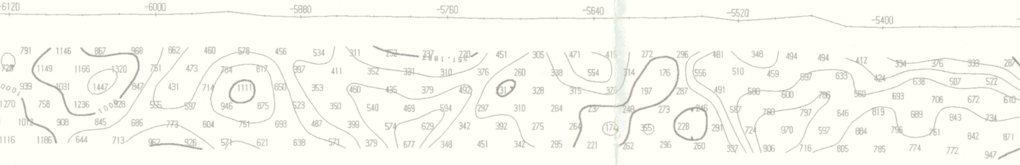

-6720
-6600
-6480
-6360
-6240

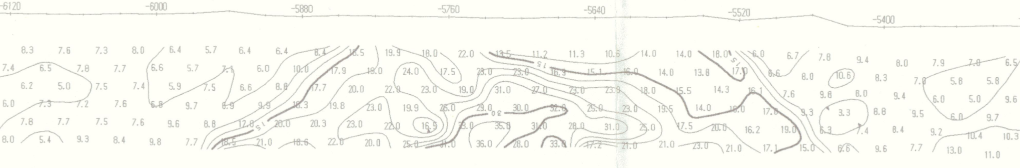

-6720
-6600
-6480
-6360
-6240

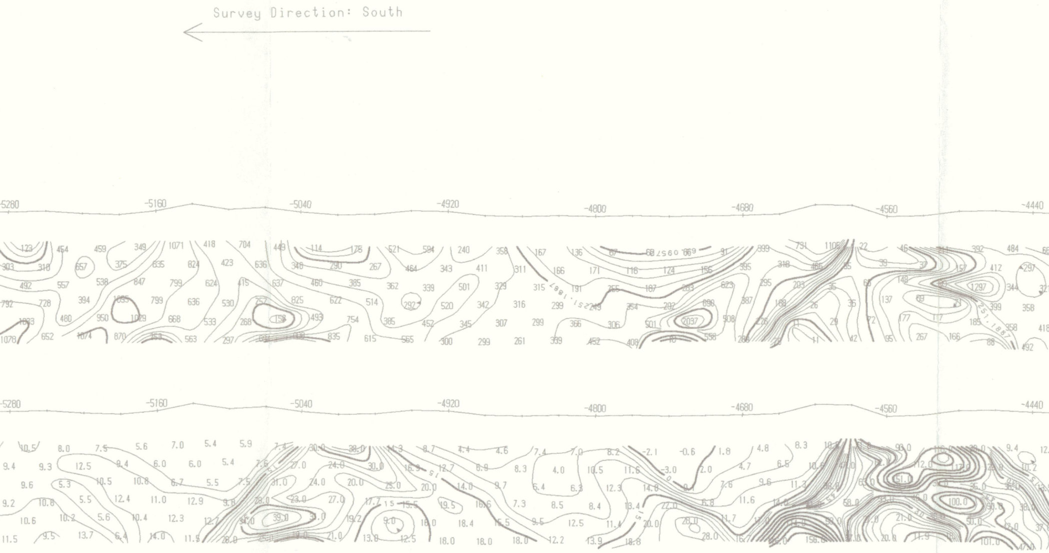
Scale 1:2500

25 0 25 50 75 100 125

(metres)


-6120
-6000
-5880
-5760
-5640
-5520
-5400


-6120
-6000
-5880
-5760
-5640
-5520
-5400

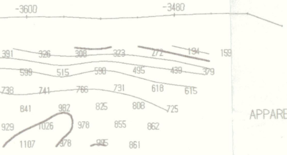

Survey Direction: South
-5280
-5160
-5040
-4920
-4800
-4680
-4560
-4440
-5280
-5160
-5040
-4920
-4800
-4680
-4560
-4440

Scale 1:2500

25 0 25 50 75 100 125

(metres)

This southern portion of the line overlaps the northern portion by approximately 360 metres

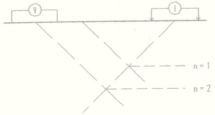


APPARENT RESISTIVITY

APPARENT CHARGEABILITY

Surveyed by GEOTRONICS SURVEYS LTD.
October 1990

Pseudosection Plotting Method



LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 5 milliseconds

INSTRUMENTATION

Receiver:	Huntec Model MK IV
Transmitter/Generator:	Huntec Model MK IV 7.5 kWatt

SURVEY PARAMETERS

Survey Mode:	Time Domain
Array:	Double-Dipole
Dipole Length:	100 feet(30 metres)
Dipole separation:	n=1 to 6
Delay Time:	200 milliseconds
Integration Time:	1500 milliseconds
Charge Cycle:	8 second square wave

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES LTD

ELDORADO LINE

DAWSON CITY, YUKON

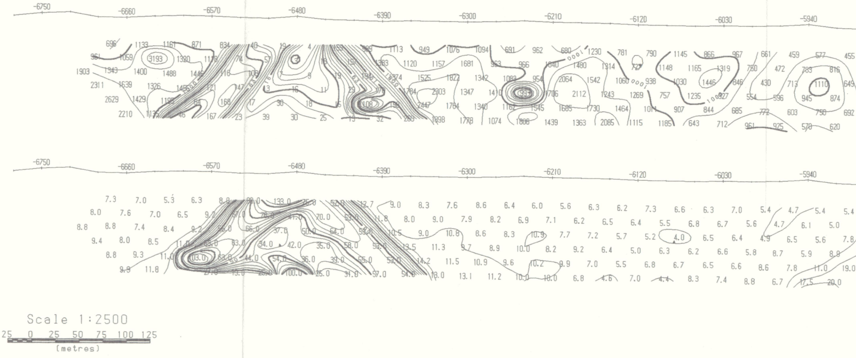
APPARENT RESISTIVITY and CHARGEABILITY PSEUDOSECTIONS LINE 4+44 (South Half)

Drawn by:	Job No.	NTS	Scale	Date	Map No.
PC	90-07	115-O-14	1:2500	June/91	73B

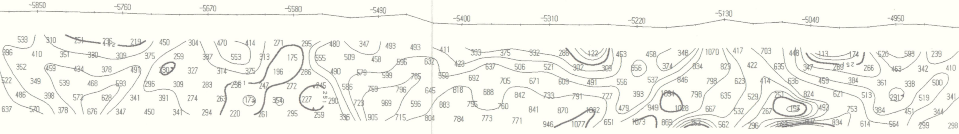
MAP# 115/0/14 Doc #092969

(74)

DWG 253


-6750
-6660
-6570
-6480
-6390
-6300
-6210
-6120
-6030
-5940
Scale 1:2500
25 0 25 50 75 100 125
(metres)

Survey Direction: South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-5670
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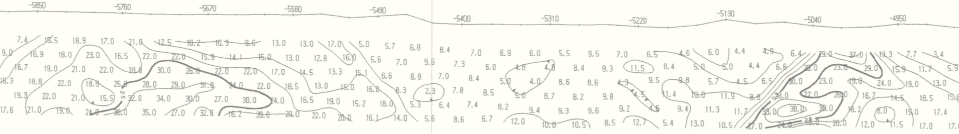
-5130
-5040
-4950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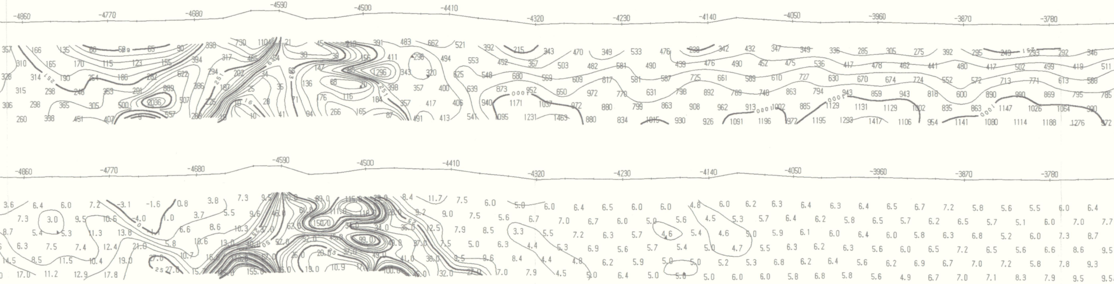
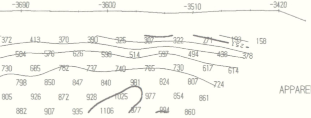
-5130
-5040
-4950


-4860
-4770
-4680
-4590
-4500
-4410
-4320
-4230
-4140
-4050
-3960
-3870
-3780

Scale 1:2500
25 0 25 50 75 100 125
(metres)

This southern portion of the line
northern portion by approximately



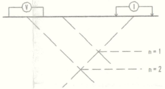
APPARENT RESISTIVITY

APPARENT CHARGEABILITY

overlaps the
360 metres

Surveyed by GEOTRONICS SURVEYS LTD.
October 1990

## Pseudosection Plotting Method



## LEGEND

Contour Intervals:
Resistivity : log base 10 ohm-metres
Chargeability: 5 milliseconds

## INSTRUMENTATION

| | |
|---|---|
| Receiver: | Huntec Model MK IV |
| Transmitter/Generator: | Huntec Model MK IV<br>7.5 kWatt |

## SURVEY PARAMETERS

| | |
|---|---|
| Survey Mode: | Time Domain |
| Array: | Double-Dipole |
| Dipole Length: | 100 feet(30 metres) |
| Dipole separation: | n=1 to 6 |
| Delay Time: | 200 milliseconds |
| Integration Time: | 1500 milliseconds |
| Charge Cycle: | 8 second square wave |

DWG 129

MAP#115/0/14 Doc#092969 (92)

GEOTRONICS SURVEYS LTD.

ARBOR RESOURCES LTD

# ELDORADO LINE

DAWSON CITY, YUKON

APPARENT RESISTIVITY and CHARGEABILITY
PSEUDOSECTIONS
LINE 4+44 (South Half)

| Drawn by: | Job No. | NTS | Scale | Date | Map No. |
|---|---|---|---|---|---|
| PC | 90-07 | 115-0-14 | 1:2500 | June/91 | EC-5(a) |

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