

MAP NO.: 1150/14
ASSESSMENT REPORT X
PROSPECTS CONFIDENTIAL X
OPEN FILE
DOCUMENT NO: 092954
MINING DISTRICT: Dawson
TYPE OF WORK: Geology geochemistry,
geophysics

REPORT FILED UNDER: Klondike Reef Mines Ltd./Arbor Resources Ltd.

DATE PERFORMED: September 7 to October 11, 1990 DATE FILED: May 27, 1991

LOCATION: LAT.: 63°52'N AREA: King Solomon Dome

LONG.: 138°57'W VALUE \$: 42,589.93

CLAIM NAME & NO.: JAE 17-19 YA 89006 - YA 89011
JAE 17-19 YA 89319 - YA 89322

WORK DONE BY: S. Tomlinson, R.A. Gonzales

WORK DONE FOR: Klondike Reef Mines Ltd./Arbor Resources Ltd.

DATE TO GOOD STANDING:

REMARKS: #68 MITCHELL

Exploration in 1990 consisted of induced polarization, resistivity and magnetometer surveys, soil and rock geochemical sampling, and geological mapping. Soil sampling indicated a possible southern extension of the Mitchell vein.

*Summarized May 27/91
indexed June 14/91*

HUGHES LANG EXPLORATIONS LTD.
1000 - 1177 West Hastings Street
Vancouver, B.C. V6E 2K3
Phone: (604) 687-6600
Fax: (604) 687-3932

29 May 1991

Mining Recorder
Box 249
Dawson City, Y.T.
Y0B 1G0

092954

Attention: Ms. M. De Jean

Dear Ms. De Jean:

Re: JAE Claims Geological & Geochemical Assessment Report

Following your letter of 17 May 1991, please amend the Title Page of our referenced report under CLAIMS AND GRANT NUMBERS WORKED to read:

JAE 1-8,11,13,15-19 YA89006-013,016,018,318-322.

Please refer to Figure 4:

At the base of the SHEBA TRENCH (JAE 7 - 8) geology and rock chip sampling was done.

At the junction where the two spur roads join the main road (JAE 11, 13), geology, rock chip, and soil sampling was done.

Please also note that the geochemical survey was done over extended geophysical lines:

<u>Line</u>	<u>Geophysical Eastern Extent</u>	<u>Geochemical Eastern Extent</u>
L500N	1470M	1500M
L0000 (L3000S)	480M	2450M
L400S	480M	1500M

The southernmost line extends into JAE 11 & 13.

Thank you for your kind cooperation in this matter.

Yours very truly,



Scott Tomlinson,
Project Geologist

YUKON ASSESSMENT REPORT

PROPERTY: MITCHELL/SHEBA

092954

NTS MAP SHEET: 1150/15

LATITUDE: 63°52' N

LONGITUDE: 138°57' W

CLAIMS AND GRANT NUMBERS WORKED:

JAE 1-8,11,13,15-19 YA89006-013,016,018,318-322

OWNERS OF PROPERTY: A.E. Resources Inc.
Klondike Reef Mines Ltd.
Arbor Resources Inc.

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

TELEPHONE: (604) 685-2222

OPERATORS: Klondike Reef Mines Ltd.
Arbor Resources Inc.

TYPE OF WORK: Geological mapping, geophysical surveying,
and geochemical sampling.

DATES WORK WAS DONE: September 7 to October 11, 1990.

AUTHORS OF REPORT: Scott Tomlinson, B.Sc.
Ralph Gonzalez, M.Sc.

LIST OF PERSONNEL:

Scott Tomlinson, Hastings Management Corp.
Jim McFaull, Aurex Exploration
Christian Marriott, Hastings Management Corp.
Larry Johnson, Hastings Management Corp.
Allan Whalley, Hastings Management Corp.
Art Troup, Archean Engineering Ltd.
Ralph Gonzalez, Adder Exploration and Development Ltd.

YUKON ASSESSMENT REPORT

PROPERTY: MITCHELL/SHEBA

NTS MAP SHEET: 1150/14

LATITUDE: 63°52' N

LONGITUDE: 138°57' W

CLAIMS AND GRANT NUMBERS WORKED:

JAE 1-6

YA89006-YA89011

JAE 17-19

YA89319-YA89322

092954

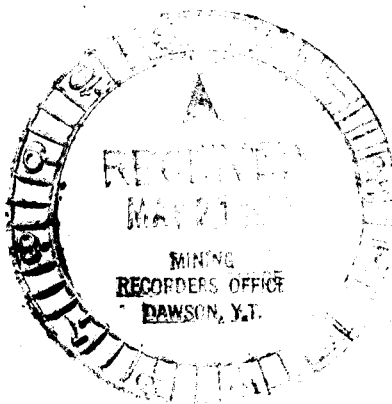
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Ralph Gonzalez, Adder Exploration and Development Ltd.

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 \$ 42,589.92.

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

GEOLOGICAL AND GEOCHEMICAL
REPORT ON THE
MITCHELL/SHEBA PROPERTY
DAWSON MINING DISTRICT, YUKON

SUMMARY

The Mitchell/Sheba property is owned equally by Klondike Reef Mines Ltd. and Arbor Resources Inc. and is located in the Klondike Mining District of northwestern Yukon Territory, approximately 31 km southeast of Dawson City. The claims are situated north of King Solomon Dome.

In 1990, Klondike Reef Mines Ltd. and Arbor Resources Inc. optioned twenty-seven quartz claims from A.E. Resources Inc.: JAE 1-27.

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 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 Sheba/Mitchell property was acquired based on regional geology and previous work done on the property. The 1990 program carried out mapping, Induced Polarization geophysics, and soil and rock chip sampling to determine the potential of the property.

Work to date indicates two types of economic mineralization: silver/gold associated with quartz veins (e.g. Mitchell Vein) and silver/lead associated with quartz veins (e.g. Sheba Vein). Beyond the well documented showings, additional anomalies have been detected indicating other quartz veins are present.

Further work should concentrate on delineating the extent of the quartz veins. Specifically, additional soil sampling with limited trenching and drilling to test the extent of the veining is recommended.

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GEOLOGICAL AND GEOCHEMICAL
REPORT ON THE
MITCHELL/SHEBA PROPERTY
DAWSON MINING DISTRICT, YUKON

1. INTRODUCTION

This report covers the field program completed between September 6 and October 11, 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 31 km southeast of Dawson City in the Klondike Mining District as shown in Figure 1. The claims are located north of King Solomon Dome and are plotted on Figure 2.

Relief is on the order of 500 m with elevations ranging from 800 m (2600 ft) to 1328 m (4048 ft). Terrestrial coordinates for the center of the claim block are: 63° 52' North Latitude, 138° 57' West Longitude.

Access to the property is provided by the Hunker-Sulphur Creek road, which bisects the property. Several unimproved roads extend northwards from the main road to the old workings.

KLONDIKE REEF MINES LTD.
& ARBOR RESOURCES INC.

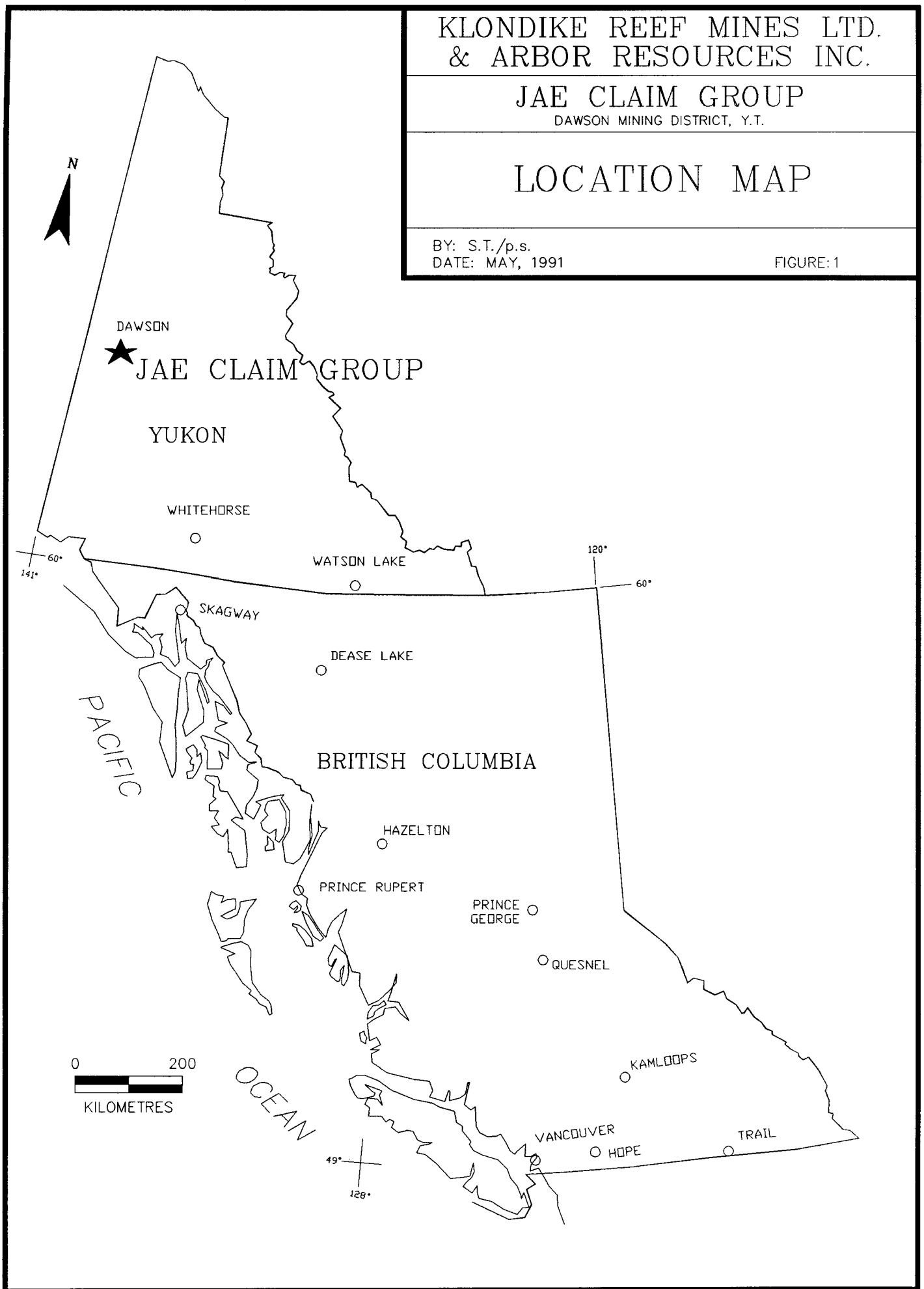
JAE CLAIM GROUP

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 (peneplane) 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 (500 ft) to 200 m (700 ft). 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.

Generally, within the Klondike region the drainage is dominated by the northerly flowing Yukon River and its westerly flowing tributaries, the Klondike River to the north and the Indian River to the south. The intervening Klondike area to the east of the Yukon River is a gently rolling, mature, and deeply dissected upland with tributaries to the Klondike and Indian Rivers radiating from a more or less centrally located topographic high point known as King Solomon Dome, located approximately 30 km southeast of Dawson City.

The Klondike proper occupies an area of approximately 30 by 60 km (18 by 37 miles). 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.

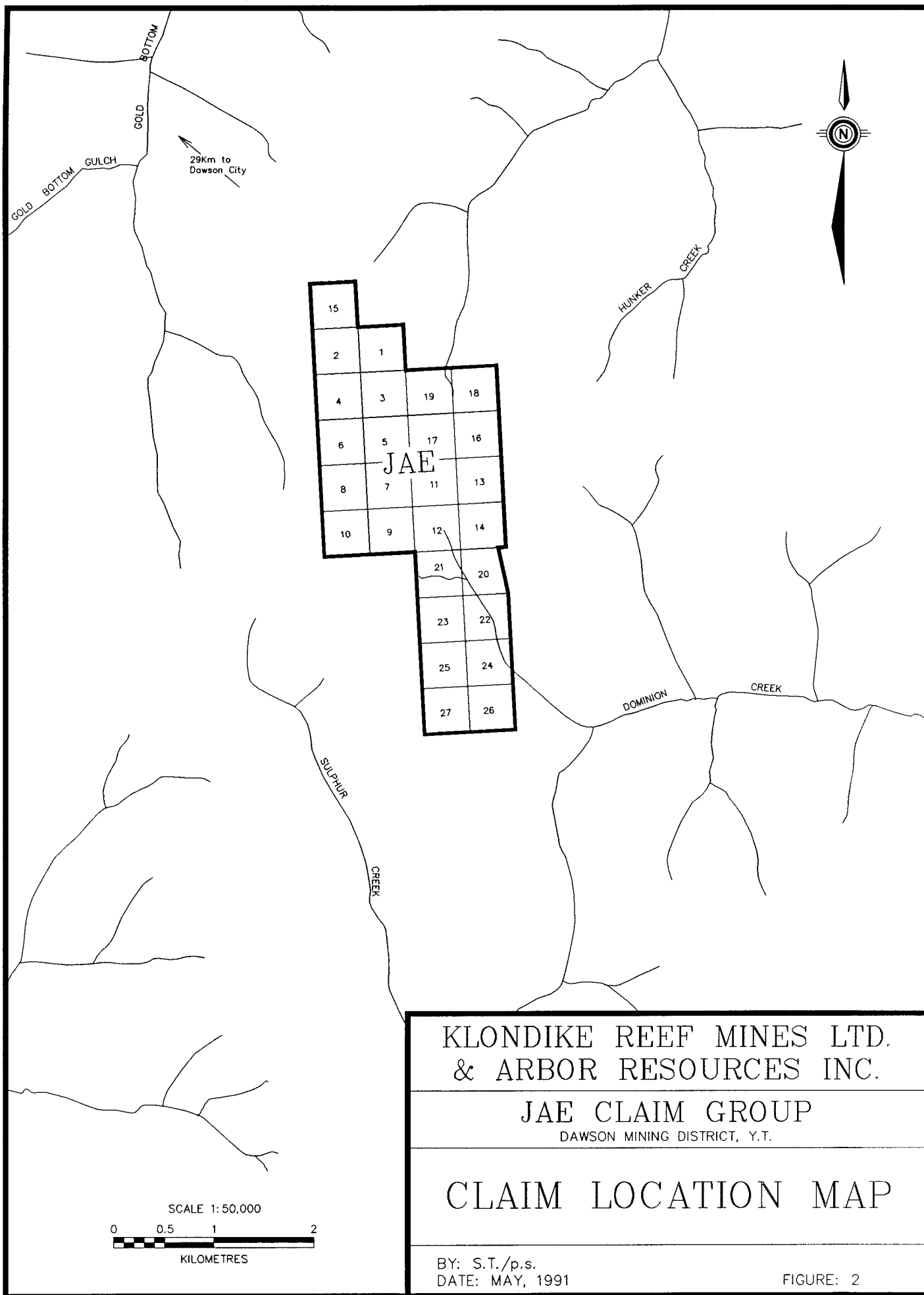
Vegetation is mixed boreal forest and tundra. Immature and stunted stands of aspen, balsam, poplar, and birch are present in the valley bottoms and are beginning to reclaim the older mining areas. Softwood timber consisting mainly of white and black spruce are limited to slopes and ridge tops.

1.3 CLAIM INFORMATION

The property is located in the Dawson Mining District of northwestern Yukon Territory and is comprised of fifty-nine located mining claims covering an area of approximately 15 sq km (6 sq miles, Figure 2). Disposition of the claims is as follows in Table I:

TABLE I
CLAIM STATUS

Claims	Grant Numbers	Anniversary
JAE 1-14	YA89006-YA89019	APRIL 1
JAE 15-19	YA89318-YA89322	AUG. 3
JAE 20-27	YA89719-YA89726	JUNE 8



1.4 HISTORY

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 million 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.

Exploration for lode gold in the Klondike has concentrated on testing quartz deposits at the head of auriferous placers. The most successful of these searches was the Lone Star showing, located near the headwaters of Eldorado Creek. Between 1912 and 1914, 7,650 tonnes (8,435 tons) grading 0.148 oz/ton Au was mined using underground and open cut methods, and processed on site using a four stamp mill.

The claims are situated at the headwaters of Hunker and Gold Bottom Creeks to the north and Sulphur, Dominion, and Quartz Creeks to the south. All of these creeks were prolific gold producers.

Prospectors in the early 1900's, searching the headwaters of Hunker Creek for the lode source of the rich placer deposits of the lower valley, were the first to discover the auriferous quartz veins in the area of the JAE claims. A report by D.D. Cairnes (1912) documented the quartz veins being trenched at 30 m intervals along 600 m of strike length and noted a shaft sunk on one of the veins that went to a depth of 26 m. These workings are on the Mitchell Vein where Cairnes collected a sample from the dump which reportedly graded 0.25 oz/T Au.

In 1969, a 3.7 tonne bulk sample was mined from the Mitchell Vein which graded 1.4 g/t Au, 4,680 g/t Ag, 0.4% Cu, 26.3% Pb, and 0.7% Zn.

1.5 RECENT EXPLORATION

In 1987, JAE Resources staked the property covering the two principal showings, the Mitchell and Sheba Veins. After staking, the original trenches were deepened and sampled.

In 1988, three reverse circulation drill holes tested the vein to a vertical depth of 16 metres. The holes were collared to test the downward extension of high grade surface exposures of the vein. Results of the drilling indicated minor amounts of gold, up to 25 oz/t of silver, and over 3% lead. Metal content and metal ratios suggest the vein is a mesothermal system which could yield high grade silver and base metals.

In 1988, a three ton bulk sample of vein material was processed at the Cominco smelter in Trail. The net value per short ton was \$1,366.42. The sample contained 34% Pb, 2% Cu, 196.25 oz/t Ag, and 0.03 oz/t Au. Lead, copper, and silver were the only paying commodities.

1.6 WORK COMPLETED IN 1990

Field work completed by Hastings Management Corp. for Klondike Reef Mines Ltd. and Arbor Resources Inc. was carried out from September 7 to October 11, 1990. This work included:

- (1) surveying and geological mapping of existing workings.
- (2) 5.79 lkm of Induced Polarization and Resistivity surveying.
- (3) 342 soil samples.
- (4) 39 rock chip samples.

2. GEOLOGY

2.1 REGIONAL GEOLOGY

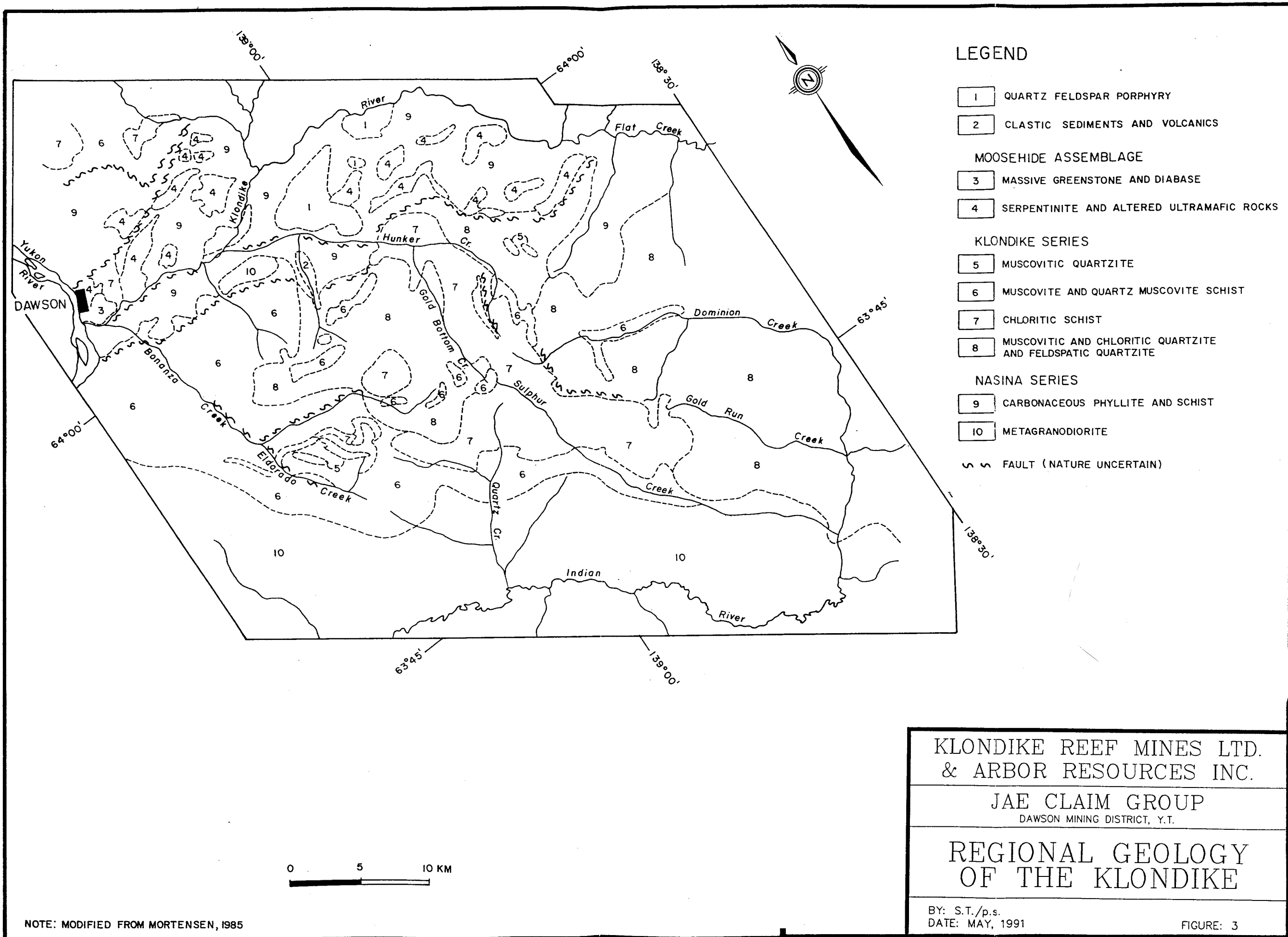
Bedrock exposures amount to less than one percent of the area and are generally confined to gulches, recent landslide areas, and road cuts. The Klondike district was first mapped by Bostock (1942), followed by Green and Roddick (1961), Metcalfe (1981), and Debicki (1984 and 1985), and most recently by 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.

The dominant 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 laid 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).



Structurally overlying 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 serpentinitized 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.

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.

2.2 PROPERTY GEOLOGY

The geology of the JAE property has been determined from trench exposures and limited outcrop along ridge tops. The lithology exposed is a dark green, well foliated, quartz chlorite to quartz feldspar schist, part of the Klondike Series. Quartz veins typically parallel the schistosity, striking in a northerly direction. The quartz is fractured, milky white, rusty weathering and occasionally coarsely crystalline. Vein width is variable but ranges up to 1.8 m. Crosscutting faults offset the lengthy veins which are traceable along strike for hundreds of metres. The aggregate amount of vein quartz on the property is considerable, and it is these veins which have economic potential.

2.3 ECONOMIC GEOLOGY

A number of quartz veins occur on the property. However, there are two principal veins, the Mitchell and the Sheba, which have been actively explored since the early 1900's.

The Mitchell Vein, the most northerly structure of the two, was explored in the early days by a 26 m shaft and a 15 m long drift. The surface exposure of the vein has also been trenched along at least 600 m of strike length. Pyrite is the predominant sulphide mineral, occurring as euhedral crystals in blebs within the quartz and disseminated in the wall rock adjacent to the vein. In places along its strike length, the quartz is barren of all sulphides. Where pyrite crystals occur in the quartz vein, they are fractured and have inclusions of galena, pyrrhotite, chalcopyrite, arsenopyrite, and gold. Gold not only forms inclusions in pyrite but also occurs within limonite filled fractures. Pyrite from the adjacent wall rock contains inclusions of galena, pyrrhotite, chalcopyrite, arsenopyrite, and probably gold. A unique feature of the Mitchell vein is that it is one of the few quartz veins in the Klondike which has a large alteration halo (J.K. Mortensen, personal communication). The adjacent schist to the vein for several metres is enriched in iron carbonate, and this alteration carries gold values.

The Sheba Vein is located 850 metres south of the Mitchell Vein. This vein, which is generally wider than the Mitchell Vein, consists mainly of white, brittle quartz and massive galena. Euhedral pyrite crystals up to one centimetre across occur within the vein and its adjacent wall rock. Fractures in quartz are filled with galena indicating a silica rich mineralization phase before precipitation of the sulphides. Galena shows fissures and cavities which are filled by cerussite and finely disseminated covellite (Debicki, 1984 and 1985; McGowan, 1989). Freibergite (argentiferous tetrahedrite) and euhedral pyrite often occur as inclusions within galena. Minor amounts of euhedral arsenopyrite, anhedral chalcopyrite, sphalerite, and pyrargyrite (dark ruby silver) also forms inclusions in galena. Fractures within the euhedral pyrite are healed by galena, freibergite, sphalerite, quartz, and cerussite. Pyrite contains inclusions of chalcopyrite, pyrrhotite, and gold. Gold inclusions occur only within pyrite.

3. GEOPHYSICS

In 1990, a total of 5.79 line-kilometres (lkm) of Induced Polarization (I.P.) and resistivity surveying was done to eight levels. This survey centered over the known showings (i.e. the Mitchell and Sheba Veins) and extended out past them to search for parallel veins. Several anomalies were detected with similar signatures to the known showings, and these should be geochemically sampled in detail. A complete description and interpretation of the geophysical program is contained in a separate report by Geotronics Surveys Ltd., written by David Marks.

4. GEOCHEMISTRY

4.1 SOIL SAMPLING

In 1990, a total of 342 soil samples were taken from three lines, as shown in Figure 4. The samples were taken on 15 m centers on lines L400S and L500N, and 25 m centers on line L3000S.

The 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 analysis results are listed in Appendix I.

There are two types of anomalies: gold, and silver/lead. These reflect the two main types of mineralization: gold bearing quartz veins (e.g. Mitchell showing), and galena bearing quartz veins (e.g. Sheba showing). The gold anomaly at L500N 030W overlies the Mitchell Vein. Other gold anomalies along L3000S between 725E and 875E probably represent similar, or possibly the same, vein. Further along L3000S, at 1025E, the gold, silver, and lead anomalies are from a quartz vein similar to the Sheba Vein. The Sheba Vein itself gave a very broad geochemical signature on L400S, with silver and lead anomalies occurring from 150W to 270E. This large anomaly may also be due to undiscovered parallel mineralized veins. Other silver/lead anomalies further to the east on this line are probably due to similar veins.

4.2 ROCK CHIP SAMPLING

A total of 33 rock chip samples were taken from the two showings: 16 from the Mitchell Vein, 17 from the Sheba Vein; an additional 6 samples were taken from other quartz outcroppings. Samples were taken from quartz veins or adjacent country rock. Sample locations for the Mitchell showing, the Sheba showing, and quartz outcroppings are shown in Figures 5, 6, and 4, respectively.

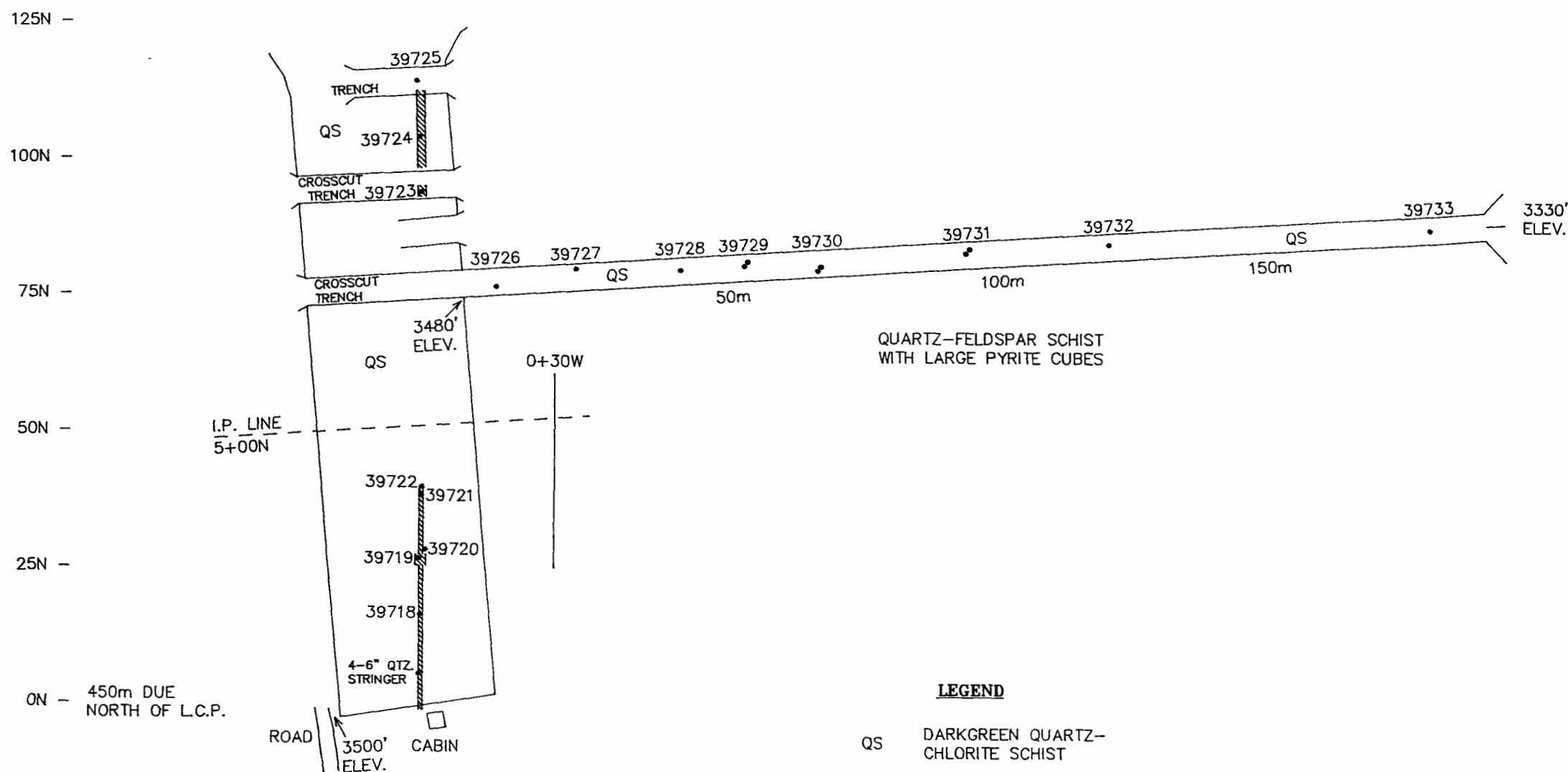
The samples were sent to Chemex Labs Ltd in North Vancouver, where they were crushed to -200 mesh. Gold was assayed using the FA-AA method, and 32 additional elements were analyzed using the ICP-AES technique. The analysis results are given in Appendix II, with significant results listed below in Table II.

TABLE II
SIGNIFICANT ROCK CHIP RESULTS

SAMPLE	LOCATION	Au ¹	Ag ²	Pb ³
39701	Sheba Vein	-	-	1,630
39703	Sheba Vein	-	>200	>10,000
39704	Sheba Vein	-	>200	>10,000
39708	Sheba Vein	-	-	1,875
39712	Sheba Vein	0.050	>200	>10,000
39713	Sheba Vein	0.172	>200	>10,000
39714	Sheba Vein	0.028	188.5	>10,000
39715	Sheba Vein	0.022	>200	>10,000
39716	Sheba Vein	-	44.8	2,970
39717	Sheba Vein	-	23.6	1,810
39718	Mitchell Vein	0.010	16.4	-
39719	Mitchell Vein	-	21.8	-
39720	Mitchell Vein	0.016	13.6	-
39721	Mitchell Vein	0.021	-	-
39734	upper road	-	10.8	8,260
39735	upper road	-	-	2,030
39738	lower road	-	18.4	-
39739	lower road	-	-	7,420

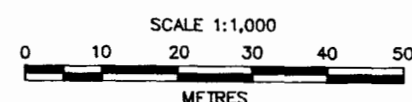
NOTES: 1: results > 0.01 oz/ton
 2: results > 10 ppm
 3: results > 1,000 ppm

As expected, the Sheba Vein and the quartz outcroppings along the roads returned anomalous silver and lead results. The Mitchell Vein returned only low gold assays, which is surprising considering that visible gold in quartz was discovered in the waste dump from the old shaft.



LEGEND

- QS DARKGREEN QUARTZ-CHLORITE SCHIST
- N QUARTZ VEINS
- ROCK CHIP SAMPLE LOCATION



NOTE: MAPPED BY LARRY JOHNSON

KLONDIKE REEF MINES LTD.
& ARBOR RESOURCES INC.

JAE CLAIM GROUP
DAWSON MINING DISTRICT, Y.T.

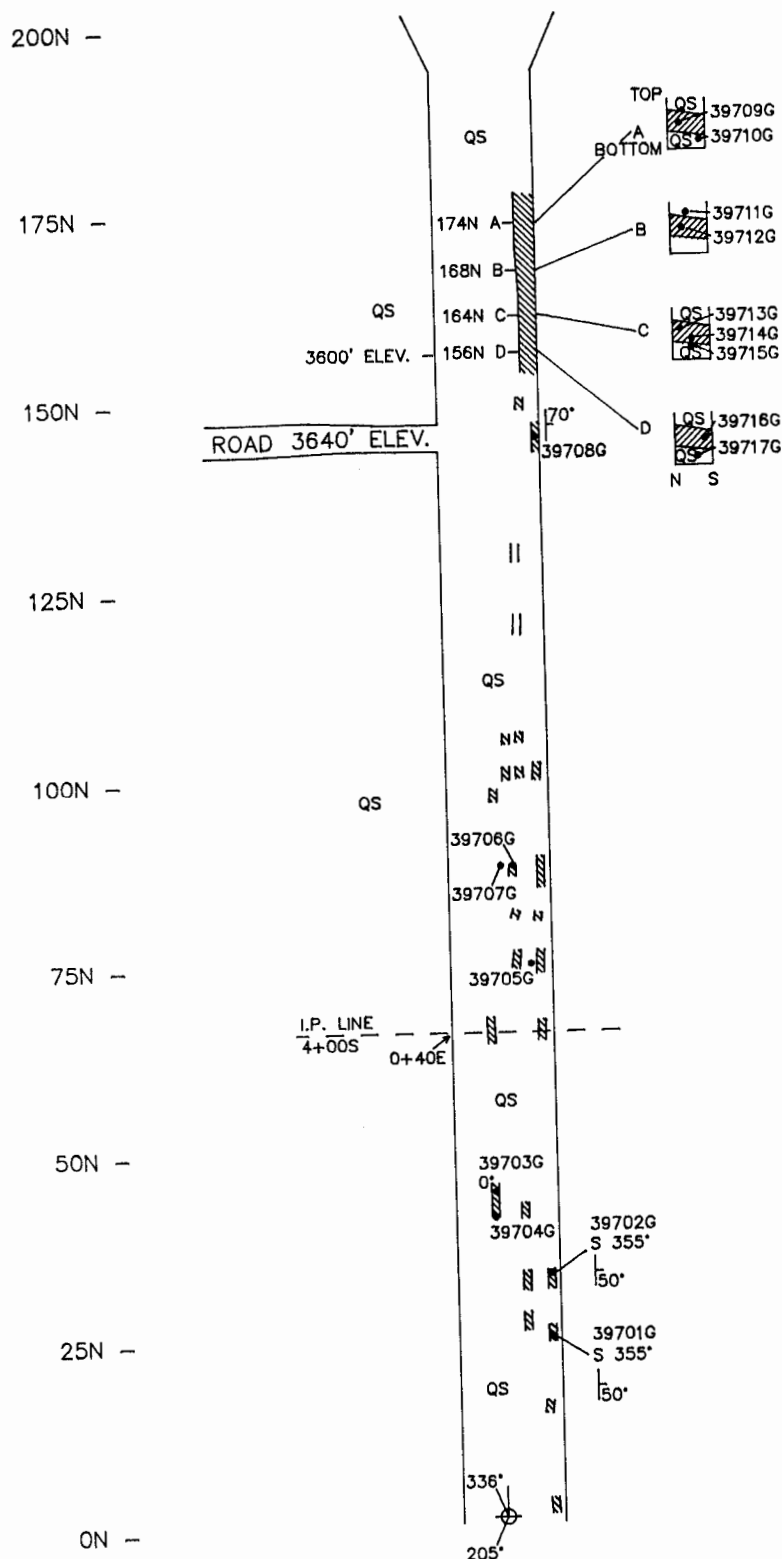
ROCK CHIP SAMPLE
LOCATIONS
MITCHELL SHOWING

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

FIGURE: 5



↑ TOPO LINE THRU CENTRE OF
TRENCH INTERSECTS I.P. LINE
2+00S 0+40E AT 277m NORTH.

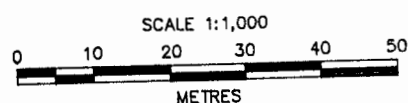


LEGEND

QS DARKGREEN, FOLIATED
QUARTZ-CHLORITE
SCHIST

N QUARTZ VEINS

• ROCK CHIP SAMPLE
LOCATION



KLONDIKE REEF MINES LTD.
& ARBOR RESOURCES INC.

JAE CLAIM GROUP
DAWSON MINING DISTRICT, Y.T.

ROCK CHIP SAMPLE
LOCATIONS
SHEBA SHOWING

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

FIGURE: 6

NOTE: MAPPED BY LARRY JOHNSON

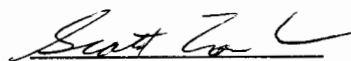
4. CONCLUSIONS

The mineral claims jointly owned by Klondike Reef Mines Ltd. and Arbor Resources Inc. are at the headwaters of some of the most productive placer creeks in the Klondike. Furthermore, significant gold, silver, copper, lead, and zinc has been historically recovered from the property.

The soil sampling discovered several gold anomalies which may show either the southern extension of the Mitchell Vein or a similar, parallel vein. In addition, several heretofore unknown silver/lead anomalies were detected, which may represent quartz veins similar to the Sheba Vein. The rock chip sampling confirmed the previously known mineralization of the major veins and other quartz outcroppings.

Work in 1991 should concentrate on infilling the existing soil grid and extending it to the north. If consistent trends can be delineated, these should be trenched. Drilling should be carried out to test the downdip extension of the Mitchell and Sheba Veins.

Respectfully submitted;

A handwritten signature in cursive script, appearing to read "Scott Tomlinson", written over a horizontal line.

Scott Tomlinson

5. REFERENCES

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6. STATEMENT OF PROFESSIONAL QUALIFICATIONS

SCOTT TOMLINSON, B.Sc.

ACADEMIC

1983
UNIVERSITY OF BRITISH COLUMBIA
B.Sc. IN GEOLOGY

PROFESSIONAL

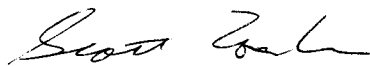
AUGUST 1990 - FEBRUARY 1991
HASTINGS MANAGEMENT
PROJECT GEOLOGIST
Responsible for regional and detailed exploration programs,
including rotary drilling, in Dawson, Yukon.

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.



SCOTT TOMLINSON

7. COST STATEMENT

LIST OF YUKON RESIDENT EMPLOYEES

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

Arbor Resources Inc. & Klondike Reef Mines Ltd.

JAE CLAIMS

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	<u>1,485.00</u>	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		<u>11,714.94</u>
TOTAL GENERAL COST		<u>\$135,377.50</u>

GEOLOGY & FIELD SUPERVISION

6 June - 15 October 1990

SALARIES & WAGES:		
S.Tomlinson 1 day @ \$160.42	\$ 160.42	
L.Johnson 9 days @ \$177.33	<u>1,595.97</u>	\$ 1,756.39
BENEFITS @ 20%		351.28
GENERAL COST APPORTIONED (10/699 X \$135,377.50)		<u>1,936.73</u>
TOTAL GEOLOGY & FIELD SUPERVISION COST		\$ <u>4,044.40</u>

GEOCHEMICAL SURVEY COST

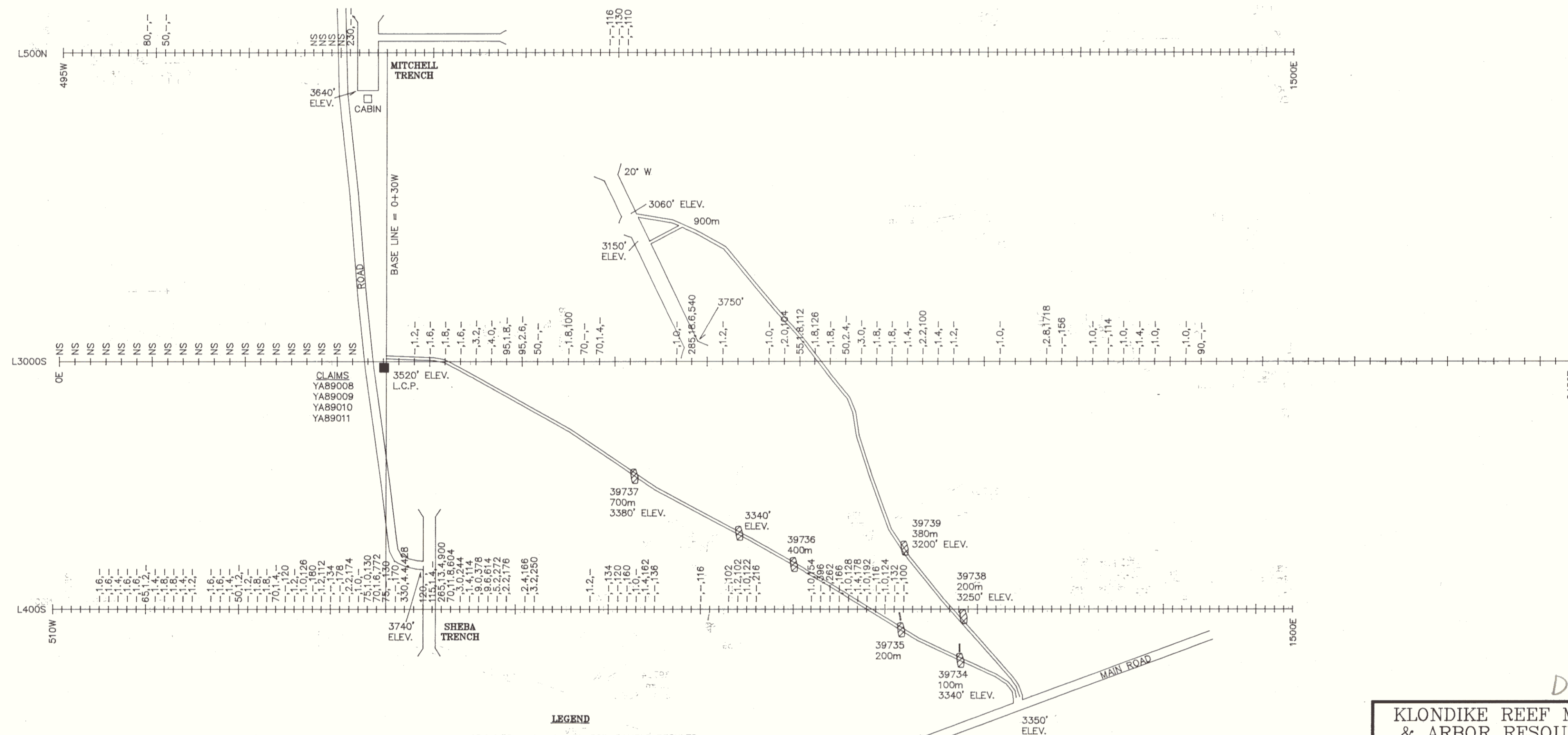
7 - 23 September 1990

SALARIES & WAGES:		
S.Tomlinson 2 days @ \$160.42	\$ 320.84	
C.Mariott 1 day	186.67	
A.Whalley 3 days @ \$140	420.00	
J.Bryde 1 day	100.00	
L.Johnson 3 days @ \$177.33	<u>531.99</u>	\$ 1,459.50
BENEFITS @ 20%		291.90
LINE-CUTTING (Marc Habel 9.8 lkm @ \$400)		3,920.00
ASSAYS & ANALYSES:		
Chemex Labs 342 Soils for Au & 32-El ICP @ \$17		5,814.00
33 Rocks for Au & 32-El ICP @ \$19.75		651.75

GENERAL COST APPORTIONED (8/699 X \$135,377.50)	\$ <u>1,549.38</u>
TOTAL GEOCHEMICAL SURVEY COST	\$ <u>13,686.53</u>

COST SUMMARY

GEOLOGICAL	\$ 4,044.40
GEOCHEMICAL	13,686.53
GEOPHYSICAL (See GEOTRONICS Report, April 1991)	<u>24,859.00</u>
TOTAL COST	\$ <u>42,589.93</u>



LEGEND

10.1,4.50 = Au, Ag, Pb SOIL SAMPLE RESULTS
Au ~ 50 ppb
Ag ~ 1.0 ppm
Pb ~ 1000 ppm
NS = NO SAMPLE
- = SAMPLE BELOW CUTOFF
○ = QUARTZ OUTCROP
| = STRIKE OF QTZ. VEIN

SCALE 1:5,000
0 50 100 150 200 250
METRES

KLONDIKE REEF MINES LTD.
& ARBOR RESOURCES INC.

JAE CLAIM GROUP
DAWSON MINING DISTRICT, Y.T.

SOIL SAMPLE AND
ROCK CHIP LOCATIONS

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

FIGURE: 4

MAP# 1150/14 Doc# 092954 (20)

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

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

Project: AOR-DAW
Comments: CC: ART TROUP

Page No. : 1-A
Total Pages : 4
Invoice Date: 11-OCT-90
Invoice No.: I-9024248
P.O. Number:

CERTIFICATE OF ANALYSIS

A9024248

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
KSD L400S 900E	203 205	< 5	< 0.2	1.66	30	280	< 0.5	< 2	0.47	< 0.5	10	17	17	2.98	< 10	< 1	0.03	10	0.80	545
KSD L400S 915E	203 205	< 5	< 0.2	1.69	25	220	< 0.5	< 2	0.52	< 0.5	10	16	14	3.34	< 10	< 1	0.02	10	0.81	565
KSD L400S 930E	203 205	< 5	< 0.2	1.61	10	190	< 0.5	< 2	0.48	0.5	11	18	12	2.98	< 10	< 1	0.03	10	0.78	615
KSD L400S 945E	203 205	10	< 0.2	1.84	45	180	< 0.5	< 2	0.58	< 0.5	10	23	32	3.30	< 10	< 1	0.06	10	1.15	655
KSD L400S 960E	203 205	< 5	< 0.2	1.57	5	190	< 0.5	< 2	0.63	< 0.5	10	26	13	2.88	< 10	< 1	0.04	10	0.83	635
KSD L400S 975E	203 205	< 5	< 0.2	1.71	15	220	< 0.5	< 2	0.87	< 0.5	10	27	17	2.85	< 10	< 1	0.04	20	0.87	1100
KSD L400S 990E	203 205	45	< 0.2	1.61	5	170	< 0.5	< 2	0.66	< 0.5	9	25	13	2.88	< 10	< 1	0.04	10	0.79	605
KSD L400S 1005E	203 205	< 5	< 0.2	1.89	10	260	< 0.5	< 2	1.03	0.5	13	24	21	3.22	< 10	< 1	0.06	20	0.93	1675
KSD L400S 1020E	203 205	< 5	< 0.2	1.70	5	200	< 0.5	< 2	0.64	< 0.5	12	26	16	3.12	< 10	< 1	0.04	10	0.91	1250
KSD L400S 1035E	203 205	10	< 0.2	1.88	< 5	200	< 0.5	< 2	0.39	< 0.5	11	35	14	3.19	< 10	< 1	0.04	10	0.98	890
KSD L400S 1050E	203 205	< 5	< 0.2	1.46	< 5	240	< 0.5	< 2	0.97	< 0.5	14	27	17	2.58	< 10	< 1	0.03	10	0.71	1730
KS 5+00N 0+15E	203 205	15	< 0.2	2.30	25	340	< 0.5	< 2	0.39	< 0.5	11	29	78	3.85	< 10	< 1	0.07	10	0.90	500
KS 5+00N 0+30E	203 205	< 5	< 0.2	2.09	< 5	160	< 0.5	< 2	0.16	< 0.5	12	27	1275	3.63	< 10	< 1	0.05	10	1.18	410
KS 5+00N 0+45E	203 205	< 5	< 0.2	1.98	15	90	< 0.5	< 2	0.12	< 0.5	10	26	51	3.77	< 10	< 1	0.04	< 10	1.11	385
KS 5+00N 0+60E	203 205	< 5	< 0.2	1.47	25	130	< 0.5	< 2	0.13	< 0.5	3	18	81	2.09	< 10	< 1	0.05	10	0.38	130
KS 5+00N 0+75E	203 205	< 5	< 0.2	2.45	15	120	< 0.5	< 2	0.16	< 0.5	14	20	31	4.75	< 10	< 1	0.32	< 10	1.70	660
KS 5+00N 0+90E	203 205	< 5	< 0.2	2.07	25	120	< 0.5	< 2	0.14	< 0.5	11	24	1140	4.07	< 10	< 1	0.20	10	1.37	635
KS 5+00N 1+05E	203 205	5	< 0.2	1.42	15	120	< 0.5	< 2	0.09	< 0.5	6	17	24	2.65	< 10	< 1	0.11	10	0.77	400
KS 5+00N 1+20E	203 205	< 5	< 0.2	2.02	25	110	< 0.5	< 2	0.11	< 0.5	8	25	23	3.57	< 10	< 1	0.10	10	1.06	395
KS 5+00N 1+35E	203 205	< 5	< 0.2	1.77	15	100	< 0.5	< 2	0.12	< 0.5	6	25	18	2.92	< 10	< 1	0.08	10	0.88	305
KS 5+00N 1+50E	203 205	< 5	< 0.2	1.64	30	180	< 0.5	< 2	0.15	< 0.5	10	41	192	2.89	< 10	< 1	0.05	10	0.96	420
KS 5+00N 1+65E	203 205	< 5	< 0.2	1.64	15	100	< 0.5	< 2	0.11	< 0.5	7	29	20	2.75	< 10	< 1	0.06	10	0.77	280
KS 5+00N 1+80E	203 205	< 5	< 0.2	1.63	15	200	< 0.5	< 2	0.17	< 0.5	9	34	234	2.87	< 10	< 1	0.05	10	0.84	390
KS 5+00N 1+95E	203 205	30	< 0.2	1.92	20	170	< 0.5	< 2	0.16	< 0.5	10	61	41	2.91	< 10	< 1	0.07	10	0.98	395
KS 5+00N 2+10E	203 205	< 5	< 0.2	1.80	10	90	< 0.5	< 2	0.18	< 0.5	11	77	210	2.89	< 10	< 1	0.06	10	1.23	360
KS 5+00N 2+25E	203 205	< 5	< 0.2	1.87	10	70	< 0.5	< 2	0.18	< 0.5	13	105	38	3.00	< 10	< 1	0.05	10	1.44	395
KS 5+00N 2+40E	203 205	< 5	< 0.2	1.99	10	80	< 0.5	< 2	0.20	< 0.5	14	158	515	2.92	< 10	< 1	0.03	10	1.75	400
KS 5+00N 2+55E	203 205	< 5	< 0.2	2.01	20	90	< 0.5	< 2	0.24	< 0.5	13	125	38	3.10	< 10	< 1	0.05	10	1.52	385
KS 5+00N 2+70E	203 205	< 5	< 0.2	1.87	15	120	< 0.5	< 2	0.19	< 0.5	10	87	355	2.85	< 10	< 1	0.05	10	1.13	325
KS 5+00N 2+85E	203 205	< 5	< 0.2	1.87	15	130	< 0.5	< 2	0.22	< 0.5	10	82	38	2.93	< 10	< 1	0.05	10	1.14	385
KS 5+00N 3+00E	203 205	< 5	< 0.2	1.72	15	110	< 0.5	< 2	0.20	< 0.5	10	77	507	2.80	< 10	< 1	0.04	10	1.12	365
KS 5+00N 3+15E	203 205	< 5	< 0.2	1.60	15	100	< 0.5	< 2	0.21	< 0.5	9	83	27	2.62	< 10	< 1	0.04	10	1.03	305
KS 5+00N 3+30E	203 205	< 5	< 0.2	1.69	5	110	< 0.5	< 2	0.20	< 0.5	9	76	348	2.73	< 10	< 1	0.04	10	1.00	310
KS 5+00N 3+45E	203 205	< 5	< 0.2	2.09	< 5	120	< 0.5	< 2	0.22	< 0.5	9	42	22	3.65	< 10	< 1	0.13	10	1.15	575
KS 5+00N 3+60E	203 205	< 5	< 0.2	1.83	5	140	< 0.5	< 2	0.22	< 0.5	7	48	80	2.85	< 10	< 1	0.07	10	0.91	355
KS 5+00N 3+75E	203 205	< 5	< 0.2	1.46	< 5	110	< 0.5	< 2	0.19	< 0.5	7	29	22	2.48	< 10	< 1	0.06	10	0.74	320
KS 5+00N 3+90E	203 205	< 5	< 0.2	1.77	10	80	< 0.5	< 2	0.23	< 0.5	13	23	670	3.46	< 10	< 1	0.10	10	1.07	900
KS 5+00N 4+05E	203 205	< 5	< 0.2	1.67	< 5	90	< 0.5	< 2	0.21	0.5	10	29	26	3.20	< 10	< 1	0.06	10	0.95	555
KS 5+00N 4+20E	203 205	< 5	< 0.2	1.61	5	90	< 0.5	< 2	0.18	0.5	11	26	816	3.22	< 10	< 1	0.05	10	1.00	515
KS 5+00N 4+35E	203 205	< 5	< 0.2	1.52	5	90	< 0.5	< 2	0.12	< 0.5	7	26	22	2.74	< 10	< 1	0.04	10	0.80	330

CERTIFICATION:

B. Coughlin



Chemex Labs Ltd.

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

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

Project : AOR-DAW
Comments: CC: ART TROUP

Page 1 of 1-B
Total Pages : 4
Invoice Date: 11-OCT-90
Invoice No. : I-9024248
P.O. Number :

CERTIFICATE OF ANALYSIS

A9024248

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
KSD L400S 900E	203 205	< 1	< 0.01	10	530	40	< 5	4	23	0.03	< 10	< 10	50	< 10	104
KSD L400S 915E	203 205	1	0.01	10	460	66	< 5	4	25	0.03	< 10	< 10	51	< 10	108
KSD L400S 930E	203 205	< 1	< 0.01	10	610	68	< 5	3	22	0.03	< 10	< 10	44	< 10	124
KSD L400S 945E	203 205	1	< 0.01	12	410	34	< 5	5	27	0.03	< 10	< 10	53	< 10	110
KSD L400S 960E	203 205	< 1	0.01	12	530	16	< 5	4	36	0.03	< 10	< 10	50	< 10	98
KSD L400S 975E	203 205	< 1	0.01	14	610	16	< 5	4	49	0.03	< 10	< 10	46	< 10	104
KSD L400S 990E	203 205	< 1	0.01	11	610	18	< 5	3	39	0.02	< 10	< 10	46	< 10	90
KSD L400S 1005E	203 205	< 1	0.01	13	610	18	< 5	4	58	0.03	< 10	< 10	48	< 10	112
KSD L400S 1020E	203 205	1	0.01	12	550	14	< 5	4	35	0.03	< 10	< 10	54	< 10	86
KSD L400S 1035E	203 205	< 1	< 0.01	16	540	10	< 5	4	22	0.04	< 10	< 10	53	< 10	86
KSD L400S 1050E	203 205	1	0.01	12	700	12	< 5	3	53	0.02	< 10	< 10	41	< 10	74
KS 5+00N 0+15E	203 205	< 1	0.01	14	660	8	< 5	4	22	0.04	< 10	< 10	81	< 10	72
KS 5+00N 0+30E	203 205	< 1	< 0.01	17	240	6	< 5	5	10	0.07	< 10	< 10	74	< 10	74
KS 5+00N 0+45E	203 205	1	< 0.01	13	300	20	< 5	4	7	0.08	< 10	< 10	89	< 10	72
KS 5+00N 0+60E	203 205	1	0.01	6	810	12	< 5	< 1	11	0.02	< 10	< 10	40	< 10	40
KS 5+00N 0+75E	203 205	1	< 0.01	8	400	10	< 5	10	7	0.20	< 10	< 10	122	< 10	90
KS 5+00N 0+90E	203 205	1	< 0.01	12	700	12	< 5	4	8	0.09	< 10	< 10	69	< 10	94
KS 5+00N 1+05E	203 205	< 1	< 0.01	6	420	22	< 5	3	6	0.07	< 10	< 10	50	< 10	58
KS 5+00N 1+20E	203 205	1	< 0.01	12	200	14	< 5	5	8	0.10	< 10	< 10	72	< 10	72
KS 5+00N 1+35E	203 205	< 1	< 0.01	11	180	10	< 5	4	8	0.08	< 10	< 10	62	< 10	66
KS 5+00N 1+50E	203 205	< 1	< 0.01	20	220	20	< 5	4	10	0.07	< 10	< 10	53	< 10	70
KS 5+00N 1+65E	203 205	< 1	< 0.01	14	300	14	< 5	3	7	0.06	< 10	< 10	52	< 10	64
KS 5+00N 1+80E	203 205	< 1	< 0.01	19	360	14	< 5	4	12	0.07	< 10	< 10	51	< 10	72
KS 5+00N 1+95E	203 205	< 1	< 0.01	19	470	22	< 5	4	10	0.06	< 10	< 10	58	< 10	70
KS 5+00N 2+10E	203 205	< 1	< 0.01	22	260	20	< 5	4	9	0.10	< 10	< 10	58	< 10	70
KS 5+00N 2+25E	203 205	< 1	< 0.01	28	270	20	< 5	4	7	0.11	< 10	< 10	60	< 10	66
KS 5+00N 2+40E	203 205	< 1	< 0.01	38	230	14	< 5	4	8	0.13	< 10	< 10	66	< 10	62
KS 5+00N 2+55E	203 205	< 1	< 0.01	33	240	10	< 5	4	10	0.15	< 10	< 10	67	< 10	58
KS 5+00N 2+70E	203 205	< 1	< 0.01	25	290	18	< 5	4	10	0.11	< 10	< 10	58	< 10	62
KS 5+00N 2+85E	203 205	< 1	< 0.01	24	290	20	< 5	4	11	0.09	< 10	< 10	55	< 10	74
KS 5+00N 3+00E	203 205	< 1	< 0.01	23	260	12	< 5	4	10	0.09	< 10	< 10	52	< 10	70
KS 5+00N 3+15E	203 205	< 1	< 0.01	22	320	12	< 5	3	11	0.09	< 10	< 10	55	< 10	66
KS 5+00N 3+30E	203 205	< 1	< 0.01	22	360	14	< 5	3	10	0.09	< 10	< 10	54	< 10	64
KS 5+00N 3+45E	203 205	1	< 0.01	14	460	18	< 5	5	11	0.10	< 10	< 10	65	< 10	88
KS 5+00N 3+60E	203 205	1	0.01	16	420	24	< 5	2	14	0.07	< 10	< 10	58	< 10	70
KS 5+00N 3+75E	203 205	< 1	0.01	10	540	18	< 5	2	12	0.06	< 10	< 10	48	< 10	84
KS 5+00N 3+90E	203 205	1	< 0.01	10	520	116	< 5	4	11	0.09	< 10	< 10	64	< 10	206
KS 5+00N 4+05E	203 205	< 1	< 0.01	11	530	130	< 5	3	9	0.07	< 10	< 10	56	< 10	172
KS 5+00N 4+20E	203 205	< 1	< 0.01	11	580	110	< 5	3	8	0.06	< 10	< 10	56	< 10	144
KS 5+00N 4+35E	203 205	< 1	< 0.01	11	280	48	< 5	3	6	0.06	< 10	< 10	48	< 10	84

CERTIFICATION:

B. Coughlin



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Project: AOR-DAW
Comments: CC: ART TROUP

CERTIFICATE OF ANALYSIS

A9024248

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
KS 5+00N 4+50E	203 205	< 5	< 0.2	2.13	< 5	170	< 0.5	< 2	0.25	< 0.5	13	67	465	3.72	< 10	< 1	0.27	10	1.41	610
KS 5+00N 4+65E	203 205	< 5	< 0.2	1.92	< 5	160	< 0.5	< 2	0.16	< 0.5	7	75	24	2.97	< 10	< 1	0.07	10	0.78	255
KS 5+00N 4+80E	203 205	< 5	< 0.2	1.57	< 5	100	< 0.5	< 2	0.32	< 0.5	8	174	24	2.79	< 10	< 1	0.08	10	0.78	365
KS 5+00N 4+95E	203 205	< 5	< 0.2	1.62	< 5	150	< 0.5	< 2	0.31	< 0.5	8	165	25	2.69	< 10	< 1	0.09	10	0.77	325
KS 5+00N 5+10E	203 205	< 5	< 0.2	1.96	< 5	110	< 0.5	< 2	0.45	< 0.5	11	152	23	3.42	< 10	< 1	0.10	10	1.15	465
KS 5+00N 5+25E	203 205	< 5	< 0.2	2.09	10	130	< 0.5	< 2	0.21	< 0.5	7	90	19	2.83	< 10	< 1	0.12	10	0.81	260
KS 5+00N 5+40E	203 205	< 5	< 0.2	2.02	15	200	< 0.5	< 2	0.26	< 0.5	9	93	25	3.18	< 10	< 1	0.13	10	0.95	440
KS 5+00N 5+55E	203 205	< 5	< 0.2	2.12	5	200	< 0.5	< 2	0.27	< 0.5	9	114	24	3.45	< 10	< 1	0.11	10	1.00	395
KS 5+00N 5+70E	203 205	< 5	< 0.2	2.13	10	160	< 0.5	< 2	0.31	< 0.5	13	165	33	3.13	< 10	< 1	0.07	10	1.51	370
KS 5+00N 5+85E	203 205	< 5	< 0.2	2.08	10	140	< 0.5	< 2	0.30	< 0.5	10	102	25	3.21	< 10	< 1	0.09	10	1.18	360
KS 5+00N 6+00E	203 205	< 5	< 0.2	2.31	< 5	120	< 0.5	< 2	0.44	< 0.5	14	127	66	3.89	< 10	< 1	0.06	10	1.64	445
KS 5+00N 6+15E	203 205	< 5	< 0.2	2.11	< 5	120	< 0.5	< 2	0.48	< 0.5	16	81	100	4.19	< 10	< 1	0.20	10	1.50	530
KS 5+00N 6+30E	203 205	< 5	< 0.6	1.96	< 5	180	< 0.5	< 2	0.65	< 0.5	14	66	104	4.10	< 10	< 1	0.09	10	1.37	425
KS 5+00N 6+45E	203 205	< 5	< 0.4	2.23	< 5	190	< 0.5	< 2	0.51	< 0.5	17	59	105	4.24	< 10	< 1	0.14	10	1.39	525
KS 5+00N 6+60E	203 205	< 5	< 0.2	2.69	< 5	120	< 0.5	< 2	0.53	< 0.5	17	88	110	4.54	< 10	< 1	0.19	10	2.36	525
KS 5+00N 6+75E	203 205	< 5	< 0.2	1.91	< 5	110	< 0.5	< 2	0.53	< 0.5	12	67	76	3.64	< 10	< 1	0.11	10	1.36	405
KS 5+00N 6+90E	203 205	< 5	< 0.2	1.94	< 5	170	< 0.5	< 2	0.66	< 0.5	12	64	76	3.54	< 10	< 1	0.10	10	1.32	445
KS 5+00N 7+05E	203 205	< 5	< 0.2	2.24	< 5	170	< 0.5	< 2	0.82	< 0.5	15	76	93	4.12	< 10	< 1	0.23	10	1.73	555
KS 5+00N 7+20E	203 205	< 5	< 0.2	2.04	5	150	< 0.5	< 2	0.81	< 0.5	13	69	85	3.70	< 10	< 1	0.19	10	1.60	530
KS 5+00N 7+35E	203 205	< 5	< 0.2	3.22	65	190	< 0.5	< 2	0.74	< 0.5	28	285	104	4.85	< 10	< 1	0.34	10	3.45	785
KS 5+00N 7+50E	203 205	< 5	< 0.2	2.95	70	160	< 0.5	< 2	0.69	< 0.5	25	288	82	4.47	< 10	< 1	0.24	10	3.22	690
KS 5+00N 7+65E	203 205	< 5	< 0.2	2.59	25	200	< 0.5	< 2	0.86	< 0.5	17	131	104	4.83	< 10	< 1	0.34	10	2.27	600
KS 5+00N 7+80E	203 205	< 5	< 0.6	2.57	20	260	< 0.5	< 2	0.79	< 0.5	18	129	100	4.24	< 10	< 1	0.13	20	1.91	690
KS 5+00N 7+95E	203 205	< 5	< 0.2	2.46	25	270	< 0.5	< 2	0.85	< 0.5	21	175	82	3.92	< 10	< 1	0.09	10	1.92	1255
KS 5+00N 8+10E	203 205	< 5	< 0.6	2.42	50	310	< 0.5	< 2	0.84	< 0.5	27	150	90	4.29	< 10	< 1	0.09	10	1.80	1970
KS 5+00N 8+25E	203 205	< 5	< 0.2	2.25	20	210	< 0.5	< 2	0.93	< 0.5	17	120	86	4.13	< 10	< 1	0.25	10	2.00	800
KS 5+00N 8+40E	203 205	< 5	< 0.2	1.95	20	220	< 0.5	< 2	0.76	< 0.5	14	147	51	3.52	< 10	< 1	0.12	10	1.36	830
KS 5+00N 8+55E	203 205	< 5	< 0.2	2.09	10	290	< 0.5	< 2	0.82	< 0.5	16	111	38	3.61	< 10	< 1	0.19	20	1.40	1135
KS 5+00N 8+70E	203 205	< 5	< 0.2	1.44	5	310	< 0.5	< 2	0.45	< 0.5	7	85	17	2.64	< 10	< 1	0.08	20	0.60	365
KS 5+00N 8+85E	203 205	< 5	< 0.2	1.62	< 5	360	< 0.5	< 2	0.42	< 0.5	11	79	23	2.90	< 10	< 1	0.08	20	0.58	640
KS 5+00N 9+00E	203 205	< 5	< 0.2	1.48	5	330	< 0.5	< 2	0.41	< 0.5	7	62	23	2.71	< 10	< 1	0.09	20	0.55	335
KS 5+00N 9+15E	203 205	< 5	< 0.2	1.32	< 5	240	< 0.5	< 2	0.46	< 0.5	7	94	18	2.59	< 10	< 1	0.10	20	0.56	255
KS 5+00N 9+30E	203 205	< 5	< 0.2	1.28	5	300	< 0.5	< 2	0.46	< 0.5	7	85	16	2.43	< 10	< 1	0.08	20	0.49	520
KS 5+00N 9+45E	203 205	< 5	< 0.2	1.88	5	300	< 0.5	< 2	0.39	< 0.5	8	99	17	2.73	< 10	< 1	0.09	20	0.64	610
KS 5+00N 9+60E	203 205	< 5	< 0.2	1.74	5	280	< 0.5	< 2	0.61	< 0.5	9	135	15	2.48	< 10	< 1	0.09	20	0.69	630
KS 5+00N 9+75E	203 205	< 5	< 0.2	1.53	5	250	< 0.5	< 2	0.69	< 0.5	8	114	15	2.34	< 10	< 1	0.08	20	0.65	560
KS 5+00N 9+90E	203 205	< 5	< 0.2	1.58	< 5	270	< 0.5	< 2	0.84	< 0.5	8	163	17	2.36	< 10	< 1	0.10	20	0.71	495
KS 5+00N 10+05E	203 205	< 5	< 0.2	1.54	10	230	< 0.5	< 2	0.76	< 0.5	8	116	16	2.27	< 10	< 1	0.09	20	0.69	475
KS 5+00N 10+20E	203 205	< 5	< 0.2	1.29	5	180	< 0.5	< 2	0.61	< 0.5	7	113	13	2.08	< 10	< 1	0.06	20	0.63	495
KS 5+00N 10+35E	203 205	< 5	< 0.2	1.63	< 5	250	< 0.5	< 2	0.73	< 0.5	9	94	15	2.34	< 10	< 1	0.07	20	0.74	560

CERTIFICATION:

B. Coughlin



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Project: AOR-DAW
Comments: CC: ART TROUP

CERTIFICATE OF ANALYSIS A9024248

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
KS 5+00N 4+50E	203 205	< 1	0.01	10	440	30	< 5	3	11	0.14	< 10	< 10	73	< 10	94
KS 5+00N 4+65E	203 205	1	0.01	13	390	48	< 5	3	12	0.08	< 10	< 10	62	< 10	78
KS 5+00N 4+80E	203 205	< 1	0.02	9	430	34	< 5	3	17	0.11	< 10	< 10	58	< 10	80
KS 5+00N 4+95E	203 205	< 1	0.02	9	390	22	< 5	3	18	0.10	< 10	< 10	62	< 10	72
KS 5+00N 5+10E	203 205	< 1	0.02	10	410	20	< 5	4	20	0.14	< 10	< 10	66	< 10	96
KS 5+00N 5+25E	203 205	< 1	0.02	11	230	30	< 5	4	14	0.12	< 10	< 10	67	< 10	72
KS 5+00N 5+40E	203 205	< 1	0.01	13	470	30	< 5	4	16	0.09	< 10	< 10	63	< 10	94
KS 5+00N 5+55E	203 205	< 1	0.01	16	470	24	< 5	4	17	0.10	< 10	< 10	71	< 10	96
KS 5+00N 5+70E	203 205	< 1	0.01	44	420	18	< 5	5	17	0.10	< 10	< 10	59	< 10	78
KS 5+00N 5+85E	203 205	< 1	0.01	23	380	12	< 5	4	16	0.11	< 10	< 10	64	< 10	76
KS 5+00N 6+00E	203 205	< 1	0.01	24	460	12	< 5	5	20	0.12	< 10	< 10	91	< 10	88
KS 5+00N 6+15E	203 205	1	0.01	16	470	6	< 5	4	20	0.18	< 10	< 10	108	< 10	88
KS 5+00N 6+30E	203 205	< 1	0.02	18	400	6	< 5	6	26	0.17	< 10	< 10	112	< 10	86
KS 5+00N 6+45E	203 205	< 1	0.01	17	460	4	< 5	6	19	0.16	< 10	< 10	111	< 10	84
KS 5+00N 6+60E	203 205	1	0.01	25	450	6	< 5	5	25	0.18	< 10	< 10	118	< 10	96
KS 5+00N 6+75E	203 205	< 1	0.01	16	320	8	< 5	5	24	0.15	< 10	< 10	99	< 10	82
KS 5+00N 6+90E	203 205	1	0.01	19	400	12	< 5	6	27	0.14	< 10	< 10	92	< 10	80
KS 5+00N 7+05E	203 205	1	0.02	20	500	12	< 5	6	34	0.18	< 10	< 10	116	< 10	100
KS 5+00N 7+20E	203 205	< 1	0.01	22	500	18	< 5	6	33	0.16	< 10	< 10	103	< 10	94
KS 5+00N 7+35E	203 205	< 1	0.01	135	600	6	< 5	9	38	0.14	< 10	< 10	125	< 10	112
KS 5+00N 7+50E	203 205	1	0.01	139	680	22	< 5	9	34	0.12	< 10	< 10	111	< 10	118
KS 5+00N 7+65E	203 205	< 1	0.01	51	720	14	< 5	9	47	0.15	< 10	< 10	131	< 10	114
KS 5+00N 7+80E	203 205	1	0.02	56	630	20	< 5	8	40	0.13	< 10	< 10	106	< 10	116
KS 5+00N 7+95E	203 205	1	0.02	64	620	14	< 5	8	39	0.11	< 10	< 10	95	< 10	102
KS 5+00N 8+10E	203 205	< 1	0.01	64	720	16	< 5	8	37	0.09	< 10	< 10	96	< 10	96
KS 5+00N 8+25E	203 205	1	0.01	49	660	26	< 5	8	46	0.11	< 10	< 10	98	< 10	122
KS 5+00N 8+40E	203 205	< 1	0.02	28	610	50	< 5	6	38	0.10	< 10	< 10	77	< 10	108
KS 5+00N 8+55E	203 205	1	0.02	27	700	40	< 5	7	46	0.12	< 10	< 10	93	< 10	108
KS 5+00N 8+70E	203 205	1	0.02	20	600	22	< 5	3	27	0.06	< 10	< 10	55	< 10	86
KS 5+00N 8+85E	203 205	1	0.02	18	670	14	< 5	4	25	0.06	< 10	< 10	57	< 10	92
KS 5+00N 9+00E	203 205	1	0.02	19	640	10	< 5	4	24	0.07	< 10	< 10	55	< 10	78
KS 5+00N 9+15E	203 205	< 1	0.03	18	710	6	< 5	3	26	0.08	< 10	< 10	53	< 10	80
KS 5+00N 9+30E	203 205	1	0.02	16	750	10	< 5	3	28	0.07	< 10	< 10	53	< 10	80
KS 5+00N 9+45E	203 205	1	0.01	20	680	28	< 5	4	32	0.07	< 10	< 10	54	< 10	104
KS 5+00N 9+60E	203 205	< 1	0.02	22	610	18	< 5	4	41	0.07	< 10	< 10	52	< 10	82
KS 5+00N 9+75E	203 205	< 1	0.01	22	540	16	< 5	4	42	0.06	< 10	< 10	47	< 10	74
KS 5+00N 9+90E	203 205	< 1	0.02	25	570	16	< 5	4	49	0.06	< 10	< 10	46	< 10	82
KS 5+00N 10+05E	203 205	< 1	0.01	23	540	18	< 5	4	46	0.06	< 10	< 10	46	< 10	72
KS 5+00N 10+20E	203 205	< 1	0.01	19	550	22	< 5	3	38	0.04	< 10	< 10	39	< 10	74
KS 5+00N 10+35E	203 205	< 1	0.01	25	500	20	< 5	4	43	0.05	< 10	< 10	47	< 10	80

CERTIFICATION:

B. Coughlin



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Project: AOR-DAW
Comments: CC: ART TROUP

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CERTIFICATE OF ANALYSIS

A9024248

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
KS 5+00N 10+50E	203 205	< 5	< 0.2	1.49	< 5	240	< 0.5	2	0.47	< 0.5	4	363	17	1.79	< 10	< 1	0.15	10	0.50	220
KS 5+00N 10+65E	203 205	< 5	< 0.2	1.76	< 5	210	< 0.5	2	0.44	< 0.5	6	180	22	2.16	< 10	< 1	0.14	20	0.63	275
KS 5+00N 10+80E	203 205	< 5	< 0.2	1.78	< 5	240	< 0.5	< 2	0.58	< 0.5	7	134	29	2.45	< 10	< 1	0.18	20	0.75	395
KS 5+00N 10+95E	203 205	< 5	< 0.2	1.78	< 5	280	< 0.5	< 2	1.09	< 0.5	7	275	29	2.30	< 10	< 1	0.18	20	0.72	470
KS 5+00N 11+10E	203 205	< 5	0.2	1.58	< 5	210	< 0.5	< 2	0.64	< 0.5	6	200	14	2.02	< 10	< 1	0.16	20	0.63	310
KS 5+00N 11+25E	203 205	< 5	< 0.2	1.13	< 5	160	< 0.5	2	0.11	< 0.5	1	169	11	0.91	< 10	< 1	0.16	< 10	0.13	85
KS 5+00N 11+40E	203 205	< 5	< 0.2	1.26	5	220	< 0.5	< 2	0.61	< 0.5	5	318	11	1.93	< 10	< 1	0.08	10	0.57	195
KS 5+00N 11+55E	203 205	< 5	< 0.2	1.80	15	180	< 0.5	< 2	0.63	< 0.5	11	239	19	3.13	< 10	< 1	0.14	10	1.07	465
KS 5+00N 11+70E	203 205	< 5	< 0.2	2.28	25	210	0.5	< 2	0.50	< 0.5	12	236	26	3.39	< 10	< 1	0.25	10	1.17	680
KS 5+00N 11+85E	203 205	< 5	< 0.2	2.15	< 5	260	< 0.5	< 2	1.05	< 0.5	10	241	28	2.85	< 10	< 1	0.17	20	1.14	495
KS 5+00N 12+00E	203 205	< 5	0.2	2.34	5	320	< 0.5	< 2	0.62	< 0.5	11	196	26	3.05	< 10	< 1	0.14	20	1.06	505
KS 5+00N 12+15E	203 205	< 5	0.2	2.33	< 5	330	0.5	< 2	0.58	< 0.5	11	158	29	2.96	< 10	< 1	0.16	20	1.13	400
KS 5+00N 12+30E	203 205	< 5	0.2	1.12	5	420	< 0.5	< 2	0.56	< 0.5	3	417	13	1.53	< 10	< 1	0.20	30	0.38	245
KS 5+00N 12+45E	203 205	< 5	< 0.2	1.44	10	160	< 0.5	< 2	0.21	< 0.5	5	224	10	2.06	< 10	< 1	0.22	20	0.61	290
KS 5+00N 12+60E	203 205	< 5	0.6	2.02	10	400	0.5	< 2	0.35	< 0.5	9	137	24	2.74	< 10	< 1	0.19	40	0.78	435
KS 5+00N 12+75E	203 205	< 5	< 0.2	1.76	< 5	190	< 0.5	< 2	0.20	< 0.5	6	112	17	2.54	< 10	< 1	0.10	20	0.48	235
KS 5+00N 12+90E	203 205	< 5	0.2	2.11	10	230	< 0.5	< 2	0.20	< 0.5	7	101	22	3.03	< 10	< 1	0.11	20	0.54	255
KS 5+00N 13+05E	203 205	< 5	< 0.2	1.49	5	150	< 0.5	< 2	0.15	< 0.5	4	131	10	2.34	< 10	< 1	0.13	20	0.35	250
KS 5+00N 13+20E	203 205	< 5	< 0.2	1.14	5	140	< 0.5	< 2	0.10	< 0.5	3	237	8	1.86	< 10	< 1	0.18	20	0.30	155
KS 5+00N 13+35E	203 205	< 5	< 0.2	1.02	5	120	< 0.5	2	0.08	< 0.5	2	275	6	1.49	< 10	< 1	0.14	20	0.21	140
KS 5+00N 13+50E	203 205	< 5	0.2	1.76	< 5	230	< 0.5	< 2	0.28	< 0.5	6	120	15	2.42	< 10	< 1	0.23	30	0.58	330
KS 5+00N 13+65E	203 205	< 5	0.2	1.85	5	230	< 0.5	< 2	0.25	< 0.5	5	131	17	2.46	< 10	< 1	0.12	20	0.45	205
KS 5+00N 13+80E	203 205	< 5	0.2	1.62	< 5	200	< 0.5	< 2	0.26	< 0.5	5	179	14	2.31	< 10	< 1	0.18	30	0.45	245
KS 5+00N 13+95E	203 205	< 5	0.2	1.77	5	180	< 0.5	2	0.23	< 0.5	6	124	15	2.32	< 10	< 1	0.16	20	0.46	300
KS 5+00N 14+10E	203 205	< 5	< 0.2	1.40	< 5	160	< 0.5	< 2	0.21	< 0.5	3	354	10	2.02	< 10	< 1	0.15	20	0.35	160
KS 5+00N 14+25E	203 205	< 5	< 0.2	1.49	< 5	140	< 0.5	< 2	0.12	< 0.5	3	107	10	2.41	< 10	< 1	0.12	10	0.23	290
KS 5+00N 14+40E	203 205	< 5	< 0.2	1.07	< 5	130	< 0.5	< 2	0.13	< 0.5	1	412	9	1.56	< 10	< 1	0.12	10	0.18	100
KS 5+00N 14+55E	203 205	< 5	0.6	1.10	5	270	< 0.5	< 2	0.17	< 0.5	4	240	10	1.64	< 10	< 1	0.35	30	0.33	380
KS 5+00N 14+70E	203 205	< 5	0.8	1.26	10	260	< 0.5	< 2	0.46	< 0.5	4	207	13	1.86	< 10	< 1	0.25	70	0.36	410
KS 5+00N 14+85E	203 205	< 5	0.8	1.39	5	300	< 0.5	< 2	0.55	< 0.5	4	156	12	1.87	< 10	< 1	0.26	70	0.40	300
KS 5+00N 15+00E	203 205	< 5	0.2	1.52	5	230	< 0.5	2	0.37	< 0.5	7	388	11	2.22	< 10	< 1	0.28	20	0.58	360
KS 5+00N 0+00W	203 205	< 5	< 0.2	2.16	< 5	140	< 0.5	< 2	0.36	< 0.5	10	131	152	3.64	< 10	< 1	0.09	10	0.85	285
KS 5+00N 0+15W	203 205	< 5	< 0.2	2.32	5	140	< 0.5	< 2	0.23	< 0.5	11	107	43	4.48	< 10	< 1	0.10	10	1.10	360
KS 5+00N 0+30W	203 205	230	< 0.2	2.84	85	160	< 0.5	< 2	0.63	< 0.5	22	73	105	5.13	< 10	< 1	0.26	10	2.01	905
KS 5+00N 1+05W	203 205	< 5	< 0.2	3.06	< 5	70	< 0.5	< 2	0.34	< 0.5	14	146	41	5.72	< 10	< 1	0.05	10	2.16	730
KS 5+00N 1+20W	203 205	< 5	< 0.2	2.47	< 5	50	< 0.5	< 2	0.40	< 0.5	16	96	40	4.10	< 10	< 1	0.04	< 10	1.89	595
KS 5+00N 1+35W	203 205	< 5	< 0.2	2.50	5	80	< 0.5	< 2	0.51	< 0.5	13	132	30	4.16	< 10	< 1	0.06	10	1.62	580
KS 5+00N 1+50W	203 205	< 5	< 0.2	2.76	< 5	90	< 0.5	< 2	0.54	< 0.5	15	103	45	3.92	< 10	< 1	0.07	10	1.95	535
KS 5+00N 1+65W	203 205	< 5	< 0.2	2.24	< 5	70	< 0.5	< 2	0.55	< 0.5	12	238	22	3.31	< 10	< 1	0.06	10	1.42	475
KS 5+00N 1+80W	203 205	< 5	< 0.2	2.69	5	110	< 0.5	< 2	0.47	< 0.5	13	98	34	3.83	< 10	< 1	0.08	10	1.58	425

CERTIFICATION:

B. Cough



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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ARBOR RESOURCES INC.
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VANCOUVER, BC
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Project: AOR-DAW
Comments: CC: ART TROUP

Page No: 3-B
Total Pages: 4
Invoice Date: 11-OCT-90
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P.O. Number:

CERTIFICATE OF ANALYSIS

A9024248

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
KS 5+00N 10+50E	203 205	< 1	0.02	20	530	16	< 5	3	37	0.04	< 10	< 10	33	< 10	70
KS 5+00N 10+65E	203 205	< 1	0.02	18	640	24	< 5	3	39	0.07	< 10	< 10	42	< 10	86
KS 5+00N 10+80E	203 205	< 1	0.02	22	600	10	< 5	4	43	0.07	< 10	< 10	47	< 10	90
KS 5+00N 10+95E	203 205	< 1	0.03	23	630	12	< 5	4	67	0.06	< 10	< 10	46	< 10	124
KS 5+00N 11+10E	203 205	< 1	0.02	18	670	10	< 5	3	56	0.07	< 10	< 10	41	< 10	78
KS 5+00N 11+25E	203 205	< 1	0.02	6	400	14	< 5	1	16	0.01	< 10	< 10	21	< 10	40
KS 5+00N 11+40E	203 205	< 1	0.02	18	390	2	< 5	2	54	0.06	< 10	< 10	40	< 10	52
KS 5+00N 11+55E	203 205	1	0.02	29	670	12	< 5	4	56	0.07	< 10	< 10	59	< 10	78
KS 5+00N 11+70E	203 205	1	0.01	27	570	54	< 5	6	35	0.07	< 10	< 10	71	< 10	82
KS 5+00N 11+85E	203 205	< 1	0.02	31	420	16	< 5	6	51	0.10	< 10	< 10	69	< 10	80
KS 5+00N 12+00E	203 205	< 1	0.02	34	440	14	5	7	36	0.12	< 10	< 10	73	10	74
KS 5+00N 12+15E	203 205	1	0.02	32	390	24	< 5	7	34	0.13	< 10	< 10	69	20	80
KS 5+00N 12+30E	203 205	< 1	0.02	13	440	36	5	2	32	0.02	< 10	< 10	25	< 10	54
KS 5+00N 12+45E	203 205	1	0.01	14	270	28	< 5	2	16	0.05	< 10	< 10	41	< 10	58
KS 5+00N 12+60E	203 205	2	0.02	21	370	42	< 5	6	27	0.08	< 10	< 10	57	10	86
KS 5+00N 12+75E	203 205	< 1	0.02	15	440	42	< 5	3	15	0.06	< 10	< 10	52	< 10	62
KS 5+00N 12+90E	203 205	1	0.02	19	270	26	< 5	4	17	0.09	< 10	< 10	64	< 10	72
KS 5+00N 13+05E	203 205	< 1	0.02	11	260	32	< 5	2	12	0.05	< 10	< 10	44	< 10	62
KS 5+00N 13+20E	203 205	1	0.01	10	230	28	< 5	1	9	0.03	< 10	< 10	32	< 10	52
KS 5+00N 13+35E	203 205	< 1	0.02	8	200	18	< 5	1	8	0.02	< 10	< 10	27	< 10	40
KS 5+00N 13+50E	203 205	< 1	0.02	15	350	26	< 5	3	24	0.10	< 10	< 10	49	< 10	66
KS 5+00N 13+65E	203 205	< 1	0.02	14	450	18	< 5	3	22	0.07	< 10	< 10	49	< 10	58
KS 5+00N 13+80E	203 205	< 1	0.02	13	360	16	< 5	3	21	0.06	< 10	< 10	42	< 10	58
KS 5+00N 13+95E	203 205	< 1	0.02	14	350	16	< 5	3	19	0.06	< 10	< 10	43	< 10	60
KS 5+00N 14+10E	203 205	< 1	0.02	12	280	18	< 5	2	19	0.06	< 10	< 10	39	< 10	52
KS 5+00N 14+25E	203 205	< 1	0.02	9	410	20	< 5	2	11	0.05	< 10	< 10	54	< 10	40
KS 5+00N 14+40E	203 205	< 1	0.03	9	230	18	< 5	1	14	0.03	< 10	< 10	31	< 10	34
KS 5+00N 14+55E	203 205	2	0.02	10	270	42	< 5	2	11	0.01	< 10	< 10	13	< 10	72
KS 5+00N 14+70E	203 205	3	0.01	10	350	36	< 5	3	27	0.01	< 10	< 10	21	< 10	84
KS 5+00N 14+85E	203 205	3	0.01	12	400	34	< 5	3	31	0.01	< 10	< 10	22	< 10	82
KS 5+00N 15+00E	203 205	3	0.03	11	350	34	< 5	4	23	0.07	< 10	< 10	37	< 10	110
KS 5+00N 0+00W	203 205	< 1	0.03	11	400	10	< 5	4	20	0.18	< 10	< 10	98	< 10	60
KS 5+00N 0+15W	203 205	< 1	0.02	13	290	12	< 5	6	14	0.18	< 10	< 10	132	< 10	64
KS 5+00N 0+30W	203 205	< 1	0.02	17	410	2	< 5	9	21	0.14	< 10	< 10	107	< 10	84
KS 5+00N 1+05W	203 205	< 1	0.03	8	130	4	< 5	10	9	0.37	< 10	< 10	128	< 10	98
KS 5+00N 1+20W	203 205	< 1	0.02	19	210	6	< 5	3	13	0.25	< 10	< 10	101	< 10	80
KS 5+00N 1+35W	203 205	1	0.02	17	340	4	5	4	22	0.29	< 10	< 10	115	< 10	74
KS 5+00N 1+50W	203 205	< 1	0.02	21	190	4	< 5	4	20	0.27	< 10	< 10	89	< 10	76
KS 5+00N 1+65W	203 205	< 1	0.04	17	310	6	< 5	4	25	0.24	< 10	< 10	84	< 10	70
KS 5+00N 1+80W	203 205	< 1	0.02	19	250	6	< 5	4	21	0.25	< 10	< 10	87	< 10	70

CERTIFICATION:

B. Coughlin



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Page No : 4-A
Total Pages : 4
Invoice Date: 11-OCT-90
Invoice No. : I-9024248
P.O. Number :

Project : AOR-DAW
Comments : CC: ART TROUP

CERTIFICATE OF ANALYSIS

A9024248

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
KS 5+00N 1+95W	203 205	25	< 0.2	3.10	5	130	< 0.5	< 2	0.54	< 0.5	20	105	104	5.21	< 10	< 1	0.20	10	2.04	735
KS 5+00N 2+10W	203 205	< 5	< 0.2	3.27	5	80	< 0.5	< 2	0.62	< 0.5	26	104	107	6.05	< 10	< 1	0.17	10	2.29	790
KS 5+00N 2+25W	203 205	< 5	< 0.2	2.97	10	160	< 0.5	< 2	0.27	< 0.5	13	89	43	4.99	< 10	< 1	0.12	10	1.34	585
KS 5+00N 2+40W	203 205	< 5	< 0.2	2.64	< 5	130	< 0.5	< 2	0.21	< 0.5	12	84	31	5.20	< 10	< 1	0.14	10	1.21	580
KS 5+00N 2+55W	203 205	< 5	< 0.2	2.30	5	140	< 0.5	< 2	0.18	< 0.5	9	124	26	4.02	< 10	< 1	0.14	10	0.89	420
KS 5+00N 2+70W	203 205	< 5	< 0.2	2.07	5	130	< 0.5	< 2	0.18	< 0.5	8	88	20	4.06	< 10	< 1	0.26	10	0.93	480
KS 5+00N 2+85W	203 205	< 5	< 0.2	2.26	5	200	< 0.5	< 2	0.28	< 0.5	12	120	29	4.75	< 10	< 1	0.25	10	1.11	765
KS 5+00N 3+00W	203 205	< 5	< 0.2	2.14	< 5	180	< 0.5	< 2	0.25	< 0.5	9	147	24	3.83	< 10	< 1	0.21	10	0.99	500
KS 5+00N 3+15W	203 205	35	< 0.2	2.33	15	200	< 0.5	< 2	0.48	< 0.5	12	136	34	4.62	< 10	< 1	0.26	10	1.45	960
KS 5+00N 3+30W	203 205	50	< 0.2	2.58	25	240	< 0.5	< 2	0.42	< 0.5	14	120	37	5.01	< 10	< 1	0.26	10	1.55	765
KS 5+00N 3+45W	203 205	35	< 0.2	2.80	10	260	< 0.5	< 2	0.74	< 0.5	16	147	41	5.37	< 10	< 1	0.22	20	1.85	800
KS 5+00N 3+60W	203 205	80	< 0.2	2.65	10	200	< 0.5	< 2	0.66	< 0.5	14	95	36	5.22	< 10	< 1	0.39	20	1.82	825
KS 5+00N 3+75W	203 205	10	< 0.2	2.71	20	170	< 0.5	< 2	0.73	< 0.5	13	129	30	5.51	< 10	< 1	0.32	20	1.86	770
KS 5+00N 3+90W	203 205	5	< 0.2	2.76	20	150	< 0.5	< 2	0.69	< 0.5	15	108	28	5.41	< 10	< 1	0.36	20	1.96	950
KS 5+00N 4+05W	203 205	45	< 0.2	2.54	35	200	< 0.5	< 2	0.65	< 0.5	12	202	26	5.04	< 10	< 1	0.29	20	1.64	765
KS 5+00N 4+20W	203 205	< 5	< 0.2	2.37	40	240	< 0.5	< 2	1.17	< 0.5	17	96	26	4.27	< 10	< 1	0.23	20	1.45	1375
KS 5+00N 4+35W	203 205	40	< 0.2	2.36	40	130	< 0.5	< 2	0.73	< 0.5	11	84	21	4.45	< 10	< 1	0.25	10	1.84	635
KS 5+00N 4+50W	203 205	15	< 0.2	2.43	20	220	< 0.5	< 2	1.49	< 0.5	12	136	30	4.13	< 10	< 1	0.22	20	1.62	1050
KS 5+00N 4+65W	203 205	< 5	< 0.2	2.25	< 5	150	< 0.5	< 2	0.70	< 0.5	11	362	20	4.62	< 10	< 1	0.16	10	1.53	785
KS 5+00N 4+80W	203 205	< 5	< 0.2	2.69	10	210	< 0.5	< 2	0.85	< 0.5	14	78	32	5.00	< 10	< 1	0.26	20	1.99	1005
KS 5+00N 4+95W	203 205	20	< 0.2	2.42	10	180	< 0.5	2	0.52	< 0.5	12	80	24	4.41	< 10	< 1	0.12	10	1.74	605

CERTIFICATION:

B. Coughlin



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Project: AOR-DAW
Comments: CC: ART TROUP

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P.O. Number:

CERTIFICATE OF ANALYSIS

A9024248

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
KS 5+00N 1+95W	203 205	< 1	0.02	15	330	2	< 5	7	20	0.26	< 10	< 10	123	< 10	96
KS 5+00N 2+10W	203 205	< 1	0.02	14	290	2	< 5	6	24	0.35	< 10	< 10	141	< 10	110
KS 5+00N 2+25W	203 205	< 1	0.02	11	290	16	< 5	8	16	0.17	< 10	< 10	136	< 10	88
KS 5+00N 2+40W	203 205	< 1	0.02	7	360	12	< 5	9	12	0.20	< 10	< 10	152	< 10	82
KS 5+00N 2+55W	203 205	< 1	0.02	13	280	10	< 5	6	12	0.11	< 10	< 10	95	< 10	76
KS 5+00N 2+70W	203 205	< 1	0.03	5	320	8	< 5	8	13	0.14	< 10	< 10	83	< 10	82
KS 5+00N 2+85W	203 205	< 1	0.03	8	460	8	< 5	10	16	0.18	< 10	< 10	121	< 10	84
KS 5+00N 3+00W	203 205	< 1	0.03	11	370	12	< 5	8	15	0.13	< 10	< 10	100	< 10	74
KS 5+00N 3+15W	203 205	< 1	0.03	10	580	8	< 5	9	22	0.13	< 10	< 10	119	< 10	104
KS 5+00N 3+30W	203 205	< 1	0.02	12	460	12	< 5	12	19	0.16	< 10	< 10	133	< 10	94
KS 5+00N 3+45W	203 205	1	0.02	12	430	16	< 5	15	34	0.17	< 10	< 10	162	< 10	98
KS 5+00N 3+60W	203 205	< 1	0.02	11	560	8	< 5	12	28	0.16	< 10	< 10	133	< 10	104
KS 5+00N 3+75W	203 205	1	0.03	10	500	10	5	11	31	0.16	< 10	< 10	126	< 10	112
KS 5+00N 3+90W	203 205	< 1	0.03	9	580	14	< 5	10	30	0.15	< 10	< 10	117	< 10	118
KS 5+00N 4+05W	203 205	1	0.03	10	480	12	< 5	9	31	0.13	< 10	< 10	107	< 10	108
KS 5+00N 4+20W	203 205	1	0.02	8	710	16	< 5	8	56	0.08	< 10	< 10	83	< 10	102
KS 5+00N 4+35W	203 205	< 1	0.02	8	490	14	< 5	8	32	0.11	< 10	< 10	85	< 10	94
KS 5+00N 4+50W	203 205	1	0.03	9	620	10	5	8	64	0.07	< 10	< 10	82	< 10	114
KS 5+00N 4+65W	203 205	1	0.04	10	400	8	5	9	33	0.10	< 10	< 10	105	< 10	112
KS 5+00N 4+80W	203 205	1	0.02	10	520	10	5	10	37	0.10	< 10	< 10	105	< 10	114
KS 5+00N 4+95W	203 205	1	0.02	7	380	10	< 5	10	25	0.11	< 10	< 10	110	10	104

CERTIFICATION:

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

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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:

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ARBOR RESOURCES INC.
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Project: AOR-DAWSON
Comments: CC: A. TROUP

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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:

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

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
KSD 400S 0270E	203 205	30	3.2	3.13	95	250	< 0.5	< 2	0.19	0.5	17	111	79	4.77	10	< 1	0.25	10	1.83	655
KSD 400S 0285E	203 205	15	0.6	2.63	90	270	< 0.5	< 2	0.34	1.0	16	275	47	4.51	10	< 1	0.22	10	1.57	790
KSD 400S 0300E	203 205	20	0.6	2.00	80	200	< 0.5	< 2	0.19	< 0.5	9	151	96	3.42	10	< 1	0.16	10	0.80	305
KSD 400S 0315E	203 205	35	0.4	2.29	125	150	< 0.5	< 2	0.23	< 0.5	13	101	43	4.18	10	< 1	0.13	10	1.47	450
KSD 400S 0330E	203 205	20	0.4	2.35	55	180	< 0.5	< 2	0.25	< 0.5	9	138	24	3.69	10	< 1	0.18	20	0.97	300
KSD 400S 0345E	203 205	50	0.6	2.10	160	150	< 0.5	< 2	0.34	< 0.5	11	105	36	3.79	10	< 1	0.14	10	1.34	390
KSD 400S 0360E	203 205	15	1.2	2.19	105	230	< 0.5	< 2	0.38	0.5	9	126	41	3.60	10	< 1	0.17	10	0.96	365
KSD 400S 0375E	203 205	65	0.2	2.02	175	130	< 0.5	< 2	0.19	0.5	8	116	37	4.00	10	< 1	0.14	10	1.36	350
KSD 400S 0390E	203 205	85	0.8	2.50	125	170	< 0.5	< 2	0.24	< 0.5	14	110	48	4.59	10	< 1	0.21	10	1.54	830
KSD 400S 0405E	203 205	70	0.8	2.15	140	150	< 0.5	< 2	0.21	0.5	11	210	45	4.14	10	< 1	0.20	10	1.35	490
KSD 400S 0420E	203 205	50	0.6	2.26	155	200	< 0.5	< 2	0.33	0.5	13	139	70	4.46	10	< 1	0.25	10	1.41	615
KSD 400S 0435E	203 205	15	1.0	1.41	40	150	< 0.5	< 2	0.24	0.5	5	192	21	2.45	10	< 1	0.12	10	0.64	355
KSD 400S 0450E	203 205	20	1.4	2.08	100	190	< 0.5	< 2	0.14	0.5	8	78	41	3.65	< 10	< 1	0.15	10	0.92	440
KSD 400S 0465E	203 205	45	0.4	1.84	110	150	< 0.5	< 2	0.20	0.5	9	128	30	3.80	< 10	< 1	0.10	10	0.94	580
KSD 400S 0495E	203 205	15	0.4	1.71	60	160	< 0.5	< 2	0.25	< 0.5	7	122	21	3.43	< 10	< 1	0.13	10	0.82	430
KSD 400S 0510E	203 205	35	0.4	1.65	45	230	< 0.5	< 2	0.41	< 0.5	7	155	24	3.03	< 10	< 1	0.11	10	0.70	375
KSD 400S 0525E	203 205	10	0.2	2.12	25	210	< 0.5	< 2	0.28	< 0.5	11	54	33	4.34	10	< 1	0.26	10	1.24	690
KSD 400S 0540E	203 205	20	< 0.2	2.40	65	240	< 0.5	< 2	0.27	0.5	13	28	46	5.11	10	< 1	0.42	10	1.51	1050
KSD 400S 0555E	203 205	10	0.2	2.20	20	180	< 0.5	< 2	0.23	< 0.5	10	83	34	4.34	10	< 1	0.27	10	1.37	605
KSD 400S 0570E	203 205	115	0.2	2.36	20	190	< 0.5	< 2	0.42	< 0.5	10	61	37	4.58	10	< 1	0.24	10	1.58	620
KSD 400S 0585E	203 205	15	0.4	2.51	20	210	< 0.5	< 2	0.51	< 0.5	12	115	38	4.72	20	< 1	0.20	10	1.56	710
KSD 400S 0600E	203 205	15	1.2	2.59	30	260	0.5	< 2	1.01	0.5	12	96	38	4.70	20	< 1	0.17	20	1.52	680
KSD 400S 0615E	203 205	10	1.0	2.25	30	230	< 0.5	< 2	0.84	0.5	11	144	39	3.92	10	< 1	0.13	20	1.27	680
KSD 400S 0630E	203 205	5	0.8	2.10	30	190	< 0.5	< 2	0.48	0.5	11	76	35	4.20	10	< 1	0.14	10	1.38	585
KSD 400S 0645E	203 205	20	0.8	1.95	95	190	0.5	< 2	0.34	1.0	11	157	31	3.76	10	< 1	0.30	20	1.18	800
KSD 400S 0660E	203 205	35	0.6	2.07	95	210	0.5	< 2	0.36	1.0	12	89	35	4.18	10	< 1	0.19	20	1.32	785
KSD 400S 0675E	203 205	15	0.4	2.18	75	220	0.5	< 2	0.33	1.0	13	210	31	4.54	10	< 1	0.17	10	1.27	925
KSD 400S 0690E	203 205	25	0.4	1.80	40	230	< 0.5	< 2	0.56	1.5	8	113	32	3.45	10	< 1	0.11	10	0.97	580
KSD 400S 0705E	203 205	25	< 0.2	1.75	125	120	< 0.5	< 2	0.24	0.5	10	91	25	3.88	10	< 1	0.10	10	1.10	450
KSD 400S 0720E	203 205	25	1.0	2.03	100	240	0.5	< 2	0.47	1.0	9	54	36	4.02	10	< 1	0.10	10	1.09	570
KSD 400S 0735E	203 205	95	0.8	2.02	95	160	0.5	< 2	0.45	2.5	15	121	51	4.28	10	< 1	0.16	10	1.33	665
KSD 400S 0750E	203 205	120	0.8	2.13	60	210	< 0.5	< 2	0.45	1.5	12	49	34	3.84	10	< 1	0.12	20	1.29	720
KSD 400S 0765E	203 205	55	0.8	2.23	60	230	0.5	< 2	0.64	2.5	13	190	37	3.92	10	< 1	0.16	20	1.25	810
KSD 400S 0780E	203 205	30	1.0	2.30	40	250	0.5	< 2	0.36	0.5	9	51	23	3.51	10	< 1	0.10	20	1.11	580
KSD 400S 0795E	203 205	30	1.4	2.17	55	270	0.5	< 2	0.99	2.5	10	149	30	3.36	10	< 1	0.13	10	1.08	905
KSD 400S 0810E	203 205	45	1.0	2.33	60	270	0.5	< 2	0.50	4.5	15	59	26	3.41	10	< 1	0.12	10	1.17	2550
KSD 400S 0825E	203 205	30	0.6	2.22	60	270	0.5	< 2	0.72	1.0	11	113	25	3.62	10	< 1	0.10	10	1.12	910
KSD 400S 0840E	203 205	45	1.0	2.27	45	270	1.0	< 2	1.49	2.5	11	51	41	3.35	10	< 1	0.10	10	1.14	1015
KSD 400S 0855E	203 205	15	< 0.2	2.06	50	170	0.5	< 2	0.47	1.0	19	133	45	4.26	10	< 1	0.18	10	1.47	895
KSD 400S 0870E	203 205	15	0.2	1.83	55	320	0.5	< 2	1.09	1.5	10	42	19	3.09	10	< 1	0.06	10	0.80	870

CERTIFICATION:

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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
KSD 400S 0270E	203 205	1	0.03	22	320	250	5	10	11	0.05	< 10	< 10	97	< 10	196
KSD 400S 0285E	203 205	1	0.03	19	570	84	< 5	6	20	0.04	< 10	< 10	78	< 10	106
KSD 400S 0300E	203 205	1	0.03	14	520	70	< 5	3	14	0.05	< 10	< 10	61	< 10	76
KSD 400S 0315E	203 205	1	0.01	15	400	44	< 5	5	11	0.07	< 10	< 10	58	< 10	112
KSD 400S 0330E	203 205	< 1	0.03	14	300	26	< 5	5	16	0.09	< 10	< 10	72	< 10	82
KSD 400S 0345E	203 205	< 1	0.02	15	310	38	< 5	5	16	0.07	< 10	< 10	58	< 10	92
KSD 400S 0360E	203 205	< 1	0.03	14	530	68	< 5	5	23	0.06	< 10	< 10	70	< 10	80
KSD 400S 0375E	203 205	1	0.02	8	390	38	< 5	6	11	0.06	< 10	< 10	91	< 10	100
KSD 400S 0390E	203 205	1	0.03	15	390	134	< 5	8	13	0.07	< 10	< 10	79	< 10	158
KSD 400S 0405E	203 205	1	0.04	11	520	120	< 5	6	12	0.06	< 10	< 10	83	< 10	118
KSD 400S 0420E	203 205	1	0.04	11	500	160	5	7	20	0.06	< 10	< 10	89	< 10	130
KSD 400S 0435E	203 205	1	0.02	8	430	56	< 5	3	15	0.04	< 10	< 10	57	< 10	78
KSD 400S 0450E	203 205	2	0.02	11	550	162	5	4	12	0.04	< 10	< 10	62	< 10	106
KSD 400S 0465E	203 205	2	0.01	10	440	136	< 5	4	12	0.04	< 10	< 10	57	< 10	126
KSD 400S 0495E	203 205	1	0.02	10	380	80	< 5	3	14	0.04	< 10	< 10	51	< 10	108
KSD 400S 0510E	203 205	1	0.02	11	580	80	< 5	3	27	0.03	< 10	< 10	43	< 10	96
KSD 400S 0525E	203 205	2	0.01	7	470	60	< 5	9	13	0.10	< 10	< 10	91	< 10	92
KSD 400S 0540E	203 205	2	0.01	4	540	116	< 5	12	17	0.12	< 10	< 10	127	< 10	172
KSD 400S 0555E	203 205	2	0.01	7	430	70	< 5	8	11	0.10	< 10	< 10	81	< 10	124
KSD 400S 0570E	203 205	1	0.01	8	460	62	< 5	10	20	0.11	< 10	< 10	94	< 10	120
KSD 400S 0585E	203 205	1	0.01	8	430	102	< 5	11	24	0.12	< 10	< 10	105	< 10	126
KSD 400S 0600E	203 205	2	0.02	10	580	102	< 5	12	48	0.09	< 10	< 10	104	< 10	138
KSD 400S 0615E	203 205	2	0.01	12	580	122	< 5	10	40	0.07	< 10	< 10	76	< 10	136
KSD 400S 0630E	203 205	1	0.01	10	450	216	< 5	9	24	0.08	< 10	< 10	80	< 10	152
KSD 400S 0645E	203 205	2	0.01	10	510	98	< 5	6	18	0.03	< 10	< 10	46	< 10	138
KSD 400S 0660E	203 205	2	0.01	11	570	82	< 5	8	19	0.05	< 10	< 10	63	< 10	168
KSD 400S 0675E	203 205	2	0.03	11	540	68	< 5	9	18	0.07	< 10	< 10	93	< 10	172
KSD 400S 0690E	203 205	1	0.01	10	650	54	< 5	7	33	0.04	< 10	< 10	60	< 10	130
KSD 400S 0705E	203 205	2	0.01	10	500	54	< 5	5	12	0.04	< 10	< 10	57	< 10	134
KSD 400S 0720E	203 205	2	0.01	12	590	154	< 5	7	28	0.04	< 10	< 10	69	< 10	150
KSD 400S 0735E	203 205	2	0.01	13	750	390	< 5	7	20	0.03	< 10	< 10	58	< 10	304
KSD 400S 0750E	203 205	1	0.01	11	600	262	< 5	7	22	0.04	< 10	< 10	60	< 10	228
KSD 400S 0765E	203 205	1	0.02	11	660	166	< 5	7	29	0.04	< 10	< 10	62	< 10	206
KSD 400S 0780E	203 205	1	0.01	11	560	128	< 5	7	19	0.04	< 10	< 10	61	< 10	170
KSD 400S 0795E	203 205	1	0.01	11	560	178	< 5	7	48	0.04	< 10	< 10	54	< 10	250
KSD 400S 0810E	203 205	1	0.01	10	530	192	< 5	7	26	0.04	< 10	< 10	55	< 10	268
KSD 400S 0825E	203 205	1	0.01	11	580	116	< 5	7	35	0.05	< 10	< 10	58	< 10	212
KSD 400S 0840E	203 205	1	0.01	12	620	124	< 5	7	61	0.03	< 10	< 10	54	< 10	248
KSD 400S 0855E	203 205	1	0.02	9	780	132	< 5	6	16	0.07	< 10	< 10	59	< 10	182
KSD 400S 0870E	203 205	1	0.01	11	510	100	< 5	5	44	0.04	< 10	< 10	51	< 10	200

CERTIFICATION:

B. Coughlin



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ARBOR RESOURCES INC.
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Project : AOR-DAWSON
Comments: CC: A. TROUP

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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
KSD 400S 0885E	203 205	< 5	< 0.2	1.83	20	280	< 0.5	< 2	0.57	< 0.5	8	78	15	3.08	< 10	1	0.08	10	0.83	390
KSD 400S 1065E	203 205	< 5	< 0.2	1.87	5	220	< 0.5	< 2	0.43	< 0.5	9	70	15	3.03	< 10	< 1	0.06	10	0.98	435
KSD 400S 1080E	203 205	< 5	< 0.2	2.03	5	200	< 0.5	< 2	0.45	< 0.5	11	104	22	3.44	10	< 1	0.07	10	1.22	380
KSD 400S 1095E	203 205	< 5	< 0.2	2.12	< 5	190	< 0.5	< 2	0.53	< 0.5	13	118	34	3.45	10	< 1	0.05	10	1.45	500
KSD 400S 1110E	203 205	10	< 0.2	2.37	5	280	< 0.5	< 2	0.66	< 0.5	13	91	31	3.62	10	< 1	0.09	10	1.27	760
KSD 400S 1125E	203 205	15	0.2	2.18	5	280	< 0.5	< 2	0.80	< 0.5	12	80	28	3.46	10	< 1	0.07	10	1.08	630
KSD 400S 1140E	203 205	< 5	< 0.2	2.28	5	200	< 0.5	< 2	0.62	< 0.5	12	106	32	3.69	10	< 1	0.08	10	1.45	605
KSD 400S 1155E	203 205	< 5	< 0.2	2.35	< 5	170	< 0.5	< 2	0.61	< 0.5	13	136	51	3.39	10	< 1	0.06	10	1.73	390
KSD 400S 1170E	203 205	< 5	< 0.2	2.20	5	190	< 0.5	< 2	0.67	< 0.5	13	115	42	3.19	10	< 1	0.07	10	1.45	420
KSD 400S 1185E	203 205	10	< 0.2	2.14	15	180	< 0.5	< 2	0.68	< 0.5	17	104	44	3.74	10	< 1	0.05	10	1.48	540
KSD 400S 1200E	203 205	< 5	0.2	2.17	5	200	< 0.5	< 2	0.88	< 0.5	15	171	40	3.55	10	< 1	0.07	10	1.64	630
KSD 400S 1215E	203 205	< 5	< 0.2	2.19	< 5	200	< 0.5	< 2	0.75	< 0.5	14	256	35	3.33	10	< 1	0.07	10	1.72	620
KSD 400S 1230E	203 205	< 5	< 0.2	2.22	5	220	< 0.5	< 2	0.67	< 0.5	14	201	38	3.30	10	< 1	0.09	10	1.62	725
KSD 400S 1245E	203 205	15	0.2	1.76	5	150	< 0.5	< 2	0.66	< 0.5	12	128	26	3.24	10	< 1	0.07	20	1.24	520
KSD 400S 1260E	203 205	< 5	0.2	2.26	< 5	180	< 0.5	< 2	0.48	< 0.5	13	130	31	3.44	10	< 1	0.06	10	1.66	420
KSD 400S 1275E	203 205	5	0.2	2.22	10	260	< 0.5	< 2	0.50	< 0.5	14	124	38	3.49	10	< 1	0.05	10	1.33	780
KSD 400S 1290E	203 205	< 5	< 0.2	2.26	15	230	< 0.5	< 2	0.57	< 0.5	17	146	48	3.49	< 10	< 1	0.05	10	1.57	870
KSD 400S 1305E	203 205	< 5	< 0.2	2.61	5	230	< 0.5	< 2	0.62	< 0.5	18	218	57	3.68	10	< 1	0.05	10	2.14	620
KSD 400S 1320E	203 205	< 5	< 0.2	2.44	5	250	< 0.5	< 2	0.62	< 0.5	16	166	50	3.61	10	< 1	0.08	10	1.78	765
KSD 400S 1335E	203 205	15	< 0.2	2.43	10	120	< 0.5	< 2	0.63	< 0.5	20	209	67	3.73	< 10	< 1	0.04	10	2.43	655
KSD 400S 1350E	203 205	15	< 0.2	2.77	5	210	< 0.5	< 2	0.86	< 0.5	16	209	64	3.46	10	< 1	0.06	10	2.11	550
KSD 400S 1365E	203 205	15	< 0.2	2.59	< 5	240	< 0.5	< 2	0.37	< 0.5	14	98	78	4.11	10	< 1	0.06	10	1.35	625
KSD 400S 1380E	203 205	< 5	0.2	2.27	< 5	240	< 0.5	< 2	0.36	< 0.5	11	115	46	3.65	10	< 1	0.11	10	0.95	490
KSD 400S 1395E	203 205	10	< 0.2	2.09	< 5	220	< 0.5	< 2	0.37	< 0.5	12	61	58	3.55	10	< 1	0.07	10	1.00	565
KSD 400S 1410E	203 205	10	< 0.2	2.59	< 5	410	< 0.5	< 2	0.76	< 0.5	15	114	90	4.22	10	< 1	0.11	10	1.16	895
KSD 400S 1425E	203 205	< 5	< 0.2	2.70	< 5	470	< 0.5	< 2	0.64	< 0.5	17	50	148	5.39	10	< 1	0.27	10	1.48	835
KSD 400S 1440E	203 205	30	< 0.2	2.27	< 5	290	< 0.5	< 2	0.39	< 0.5	12	67	95	3.99	10	< 1	0.16	10	1.03	445
KSD 400S 1455E	203 205	20	< 0.2	2.48	< 5	360	< 0.5	< 2	0.88	< 0.5	13	91	117	4.52	10	< 1	0.08	10	1.15	750
KSD 400S 1470E	203 205	< 5	< 0.2	1.55	< 5	110	< 0.5	< 2	0.20	< 0.5	6	107	26	3.12	10	< 1	0.08	10	0.54	225
KSD 400S 1485E	203 205	5	< 0.2	2.38	< 5	340	< 0.5	< 2	0.34	< 0.5	16	46	140	4.62	10	< 1	0.24	10	1.26	605
KSD 400S 1500E	203 205	< 5	< 0.2	2.30	< 5	130	< 0.5	< 2	0.21	< 0.5	9	67	54	4.85	10	< 1	0.06	10	0.73	410
KSD 400S 0015W	203 205	15	1.0	2.12	100	200	< 0.5	< 2	0.21	0.5	8	76	59	3.37	< 10	< 1	0.06	10	0.90	335
KSD 400S 0030W	203 205	135	2.2	2.50	365	220	< 0.5	< 2	0.35	2.0	19	45	84	4.65	10	< 1	0.17	10	1.75	875
KSD 400S 0045W	203 205	35	0.2	2.43	260	170	< 0.5	< 2	0.17	0.5	12	49	50	4.18	10	< 1	0.10	10	1.37	505
KSD 400S 0060W	203 205	40	0.8	2.52	245	220	< 0.5	< 2	0.24	0.5	11	56	52	4.15	10	< 1	0.14	10	1.32	505
KSD 400S 0070W	203 205	100	1.2	2.37	110	200	< 0.5	< 2	0.22	0.5	10	57	43	3.63	10	< 1	0.12	10	1.19	405
KSD 400S 0090W	203 205	80	0.8	2.68	265	180	< 0.5	< 2	0.22	1.0	15	49	71	4.53	10	< 1	0.19	10	1.47	750
KSD 400S 0105W	203 205	70	1.0	2.38	180	170	< 0.5	< 2	0.18	0.5	9	57	48	3.87	10	< 1	0.12	10	1.09	360
KSD 400S 0120W	203 205	50	1.2	2.35	255	190	< 0.5	< 2	0.25	0.5	9	114	42	3.51	10	< 1	0.23	10	1.14	365
KSD 400S 0135W	203 205	30	0.4	2.56	275	160	< 0.5	< 2	0.19	< 0.5	11	70	52	4.25	10	< 1	0.13	10	1.21	470

CERTIFICATION:

B. Cough



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

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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
KSD 400S 0885E	203 205	1	0.02	10	550	46	< 5	4	25	0.04	< 10	< 10	50	< 10	118
KSD 400S 1065E	203 205	1	0.01	16	430	18	< 5	4	22	0.03	< 10	< 10	51	< 10	82
KSD 400S 1080E	203 205	1	0.01	24	520	10	< 5	5	20	0.05	< 10	< 10	59	< 10	80
KSD 400S 1095E	203 205	1	0.01	30	600	4	< 5	5	20	0.07	< 10	< 10	63	< 10	82
KSD 400S 1110E	203 205	1	0.01	24	580	10	< 5	6	29	0.06	< 10	< 10	66	< 10	92
KSD 400S 1125E	203 205	1	0.01	18	570	10	< 5	6	32	0.04	< 10	< 10	61	< 10	88
KSD 400S 1140E	203 205	1	0.01	24	570	16	< 5	7	23	0.06	< 10	< 10	63	< 10	96
KSD 400S 1155E	203 205	< 1	0.01	42	560	6	< 5	6	21	0.09	< 10	< 10	63	< 10	80
KSD 400S 1170E	203 205	1	0.01	31	520	6	< 5	6	26	0.08	< 10	< 10	61	< 10	82
KSD 400S 1185E	203 205	1	0.01	33	570	2	< 5	8	27	0.09	< 10	< 10	66	< 10	76
KSD 400S 1200E	203 205	1	0.01	40	600	6	< 5	7	34	0.07	< 10	< 10	61	< 10	88
KSD 400S 1215E	203 205	1	0.02	45	540	4	< 5	7	29	0.06	< 10	< 10	57	< 10	82
KSD 400S 1230E	203 205	1	0.02	43	580	4	< 5	7	28	0.06	< 10	< 10	58	< 10	88
KSD 400S 1245E	203 205	1	0.02	28	580	2	< 5	5	26	0.08	< 10	< 10	58	< 10	80
KSD 400S 1260E	203 205	1	0.01	37	610	< 2	< 5	7	19	0.08	< 10	< 10	68	< 10	70
KSD 400S 1275E	203 205	1	0.01	37	620	4	< 5	6	24	0.04	< 10	< 10	61	< 10	78
KSD 400S 1290E	203 205	1	0.01	55	540	6	< 5	6	25	0.03	< 10	< 10	57	< 10	76
KSD 400S 1305E	203 205	1	0.01	81	520	4	< 5	8	27	0.04	< 10	< 10	66	< 10	80
KSD 400S 1320E	203 205	< 1	0.02	56	530	6	< 5	7	26	0.05	< 10	< 10	66	< 10	82
KSD 400S 1335E	203 205	1	0.01	80	480	< 2	< 5	9	22	0.04	< 10	< 10	73	< 10	68
KSD 400S 1350E	203 205	1	0.02	73	470	4	< 5	9	33	0.05	< 10	< 10	76	< 10	74
KSD 400S 1365E	203 205	1	0.02	32	430	6	< 5	8	18	0.06	< 10	< 10	98	< 10	76
KSD 400S 1380E	203 205	1	0.03	23	370	6	< 5	6	20	0.09	< 10	< 10	89	< 10	68
KSD 400S 1395E	203 205	< 1	0.02	20	390	2	< 5	6	19	0.09	< 10	< 10	80	< 10	68
KSD 400S 1410E	203 205	1	0.02	20	610	16	< 5	8	32	0.08	< 10	< 10	100	< 10	84
KSD 400S 1425E	203 205	1	0.01	16	510	4	< 5	8	21	0.16	< 10	< 10	172	< 10	98
KSD 400S 1440E	203 205	1	0.02	19	420	2	< 5	5	18	0.12	< 10	< 10	103	< 10	74
KSD 400S 1455E	203 205	1	0.01	17	500	4	< 5	7	31	0.10	< 10	< 10	124	< 10	86
KSD 400S 1470E	203 205	1	0.02	7	200	2	< 5	3	13	0.11	< 10	< 10	125	< 10	42
KSD 400S 1485E	203 205	< 1	0.02	16	470	< 2	< 5	5	12	0.13	< 10	< 10	138	< 10	82
KSD 400S 1500E	203 205	2	0.01	13	390	6	< 5	3	11	0.11	< 10	< 10	113	< 10	76
KSD 400S 0015W	203 205	1	0.01	17	330	96	< 5	6	14	0.03	< 10	< 10	64	< 10	104
KSD 400S 0030W	203 205	1	0.01	18	480	174	< 5	9	18	0.04	< 10	< 10	68	10	184
KSD 400S 0045W	203 205	2	0.01	16	380	178	< 5	6	10	0.04	< 10	< 10	65	< 10	162
KSD 400S 0060W	203 205	2	0.02	18	340	134	< 5	7	15	0.06	< 10	< 10	72	< 10	150
KSD 400S 0070W	203 205	1	0.01	16	270	112	< 5	5	13	0.05	< 10	< 10	60	< 10	162
KSD 400S 0090W	203 205	1	0.02	15	450	180	< 5	6	11	0.03	< 10	< 10	71	< 10	188
KSD 400S 0105W	203 205	1	0.01	15	320	126	< 5	5	11	0.05	< 10	< 10	66	10	150
KSD 400S 0120W	203 205	1	0.03	12	420	88	< 5	5	16	0.04	< 10	< 10	70	< 10	124
KSD 400S 0135W	203 205	2	0.02	14	390	120	< 5	5	12	0.04	< 10	< 10	72	< 10	138

CERTIFICATION:

B. Cough



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

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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
KSD 400S 0150W	203 205	70	1.4	3.03	275	160	< 0.5	< 2	0.23	1.5	21	53	78	5.09	10	< 1	0.18	10	1.89	1055
KSD 400S 0165W	203 205	35	1.8	2.84	205	230	< 0.5	4	0.29	1.0	16	58	57	4.16	10	< 1	0.17	10	1.42	715
KSD 400S 0180W	203 205	30	1.8	2.74	165	190	< 0.5	4	0.25	1.0	15	68	62	4.26	10	< 1	0.14	10	1.58	595
KSD 400S 0195W	203 205	10	1.2	3.03	150	190	< 0.5	< 2	0.24	0.5	17	78	51	4.60	10	< 1	0.15	10	1.83	800
KSD 400S 0210W	203 205	50	1.2	2.63	110	220	< 0.5	2	0.29	1.0	16	79	56	4.02	10	< 1	0.14	10	1.62	740
KSD 400S 0225W	203 205	35	1.4	2.78	140	250	< 0.5	4	0.49	1.0	16	59	60	4.11	10	< 1	0.14	10	1.42	815
KSD 400S 0240W	203 205	10	1.6	1.97	95	170	< 0.5	4	0.28	1.0	7	43	37	2.59	10	< 1	0.14	10	0.72	215
KSD 400S 0255W	203 205	15	1.6	2.33	125	240	< 0.5	2	0.77	2.0	15	66	56	3.50	10	< 1	0.16	10	1.31	835
KSD 400S 0270W	203 205	20	0.8	2.57	130	220	< 0.5	8	0.63	2.0	16	74	3490	3.99	10	< 1	0.13	10	1.68	745
KSD 400S 0285W	203 205	30	1.2	2.81	115	240	< 0.5	6	0.81	1.0	15	59	64	4.00	10	< 1	0.14	10	1.54	680
KSD 400S 0300W	203 205	35	1.4	2.59	150	200	< 0.5	4	1.05	1.5	16	72	83	3.84	10	< 1	0.15	10	1.65	735
KSD 400S 0315W	203 205	35	1.8	2.42	130	210	< 0.5	2	1.75	1.5	13	47	66	3.31	10	< 1	0.15	10	1.39	600
KSD 400S 0330W	203 205	30	1.8	2.60	130	260	< 0.5	< 2	1.53	1.0	14	43	69	3.67	10	< 1	0.14	10	1.44	615
KSD 400S 0345W	203 205	20	1.4	2.34	120	220	< 0.5	2	1.68	1.0	13	43	54	3.39	10	< 1	0.12	10	1.36	550
KSD 400S 0360W	203 205	65	1.2	2.39	90	220	< 0.5	2	0.87	0.5	13	58	48	3.54	10	< 1	0.12	10	1.48	540
KSD 400S 0375W	203 205	20	1.6	2.26	85	240	< 0.5	< 2	1.79	1.0	13	59	49	3.31	10	< 1	0.14	10	1.36	670
KSD 400S 0390W	203 205	30	1.6	2.45	100	200	< 0.5	2	1.03	0.5	14	56	43	3.70	10	< 1	0.12	10	1.53	615
KSD 400S 0405W	203 205	20	1.4	2.23	95	200	< 0.5	4	1.15	0.5	13	47	41	3.40	10	< 1	0.10	10	1.40	675
KSD 400S 0420W	203 205	20	1.6	2.22	90	210	< 0.5	4	1.48	0.5	13	43	54	3.32	10	< 1	0.10	10	1.35	600
KSD 400S 0435W	203 205	25	1.6	1.97	75	200	< 0.5	4	1.32	0.5	12	46	38	2.99	10	< 1	0.09	10	1.20	685
KSD 400S 0450W	203 205	15	0.2	1.97	50	210	< 0.5	< 2	1.78	0.5	12	47	45	2.93	10	< 1	0.10	10	1.36	670
KSD 400S 0465W	203 205	10	0.4	2.03	60	210	< 0.5	< 2	1.50	0.5	13	66	46	3.00	10	< 1	0.12	10	1.27	610
KSD 400S 0480W	203 205	20	0.2	2.07	70	240	< 0.5	< 2	1.69	0.5	12	59	42	2.96	10	< 1	0.12	10	1.18	685
KSD 400S 0495W	203 205	15	0.6	2.26	65	240	< 0.5	< 2	1.60	0.5	14	71	37	3.16	10	< 1	0.14	10	1.28	760
KSD 400S 0510W	203 205	15	0.4	2.28	55	260	< 0.5	< 2	1.88	0.5	13	74	38	3.03	10	< 1	0.17	10	1.23	650
KSD 30+00S 5+00E	203 205	20	0.2	2.34	125	210	< 0.5	< 2	1.67	0.5	13	71	33	3.52	10	< 1	0.18	10	1.65	700
KSD 30+00S 5+25E	203 205	25	0.4	1.63	70	250	< 0.5	< 2	1.81	0.5	12	60	31	2.42	10	< 1	0.13	10	0.97	800
KSD 30+00S 5+50E	203 205	15	0.8	2.22	115	280	< 0.5	< 2	1.32	0.5	14	57	37	3.20	10	< 1	0.14	10	1.31	1300
KSD 30+00S 5+75E	203 205	10	1.2	2.61	120	320	< 0.5	< 2	1.04	1.0	13	76	38	3.81	10	< 1	0.20	10	1.45	580
KSD 30+00S 6+00E	203 205	25	1.6	3.06	140	320	< 0.5	< 2	0.82	1.0	13	71	48	4.13	10	< 1	0.22	10	1.52	685
KSD 30+00S 6+25E	203 205	20	1.8	2.56	140	290	< 0.5	< 2	0.97	1.0	10	66	42	3.55	10	< 1	0.21	10	1.25	475
KSD 30+00S 6+50E	203 205	30	1.6	3.14	190	290	< 0.5	< 2	0.90	0.5	16	53	55	4.19	10	< 1	0.21	10	1.66	825
KSD 30+00S 6+75E	203 205	40	3.2	3.34	285	330	< 0.5	< 2	1.01	0.5	17	57	64	4.51	20	< 1	0.20	10	1.54	1080
KSD 30+00S 7+00E	203 205	35	4.0	2.99	235	320	< 0.5	< 2	1.14	0.5	21	65	64	4.12	10	< 1	0.18	10	1.31	1575
KSD 30+00S 7+25E	203 205	95	1.8	3.14	350	210	< 0.5	< 2	0.51	0.5	21	58	80	4.87	10	< 1	0.18	10	2.06	1100
KSD 30+00S 7+50E	203 205	95	2.6	3.16	420	300	< 0.5	< 2	0.67	0.5	28	65	64	4.82	10	< 1	0.20	10	1.63	2320
KSD 30+00S 7+75E	203 205	50	0.8	2.82	305	180	< 0.5	< 2	0.31	0.5	19	57	50	4.50	10	< 1	0.18	10	1.89	850
KSD 30+00S 8+00E	203 205	25	0.8	2.83	260	210	< 0.5	2	0.39	0.5	13	75	34	4.38	20	< 1	0.19	10	1.49	415
KSD 30+00S 8+25E	203 205	20	1.8	2.82	150	330	< 0.5	< 2	0.68	1.5	22	64	64	4.20	10	< 1	0.17	10	0.89	1855
KSD 30+00S 8+50E	203 205	70	0.4	3.36	275	170	< 0.5	< 2	0.20	< 0.5	22	156	64	5.26	10	< 1	0.18	10	1.98	730

CERTIFICATION:

B. Cough



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
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Project : AOR-DAWSON
Comments: CC: A. TROUP

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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
KSD 400S 0150W	203 205	< 1	0.02	16	410	90	< 5	9	15	0.05	< 10	< 10	101	10	154
KSD 400S 0165W	203 205	< 1	0.02	17	370	98	< 5	7	22	0.06	< 10	< 10	78	< 10	142
KSD 400S 0180W	203 205	< 1	0.02	15	460	78	< 5	7	18	0.05	< 10	< 10	89	< 10	126
KSD 400S 0195W	203 205	1	0.03	16	430	64	< 5	9	16	0.06	< 10	< 10	115	< 10	124
KSD 400S 0210W	203 205	< 1	0.02	17	440	68	< 5	8	20	0.06	< 10	< 10	82	< 10	126
KSD 400S 0225W	203 205	< 1	0.02	17	400	74	< 5	8	31	0.04	< 10	< 10	85	< 10	146
KSD 400S 0240W	203 205	< 1	0.02	11	350	34	< 5	4	26	0.04	< 10	< 10	70	< 10	94
KSD 400S 0255W	203 205	1	0.02	16	490	64	< 5	6	46	0.04	< 10	< 10	69	< 10	144
KSD 400S 0270W	203 205	1	0.02	20	480	72	< 5	8	35	0.05	< 10	< 10	79	< 10	152
KSD 400S 0285W	203 205	1	0.02	18	420	86	< 5	9	49	0.05	< 10	< 10	84	< 10	150
KSD 400S 0300W	203 205	< 1	0.02	18	530	62	< 5	9	55	0.05	< 10	< 10	74	< 10	134
KSD 400S 0315W	203 205	< 1	0.02	17	620	52	< 5	9	84	0.04	< 10	< 10	65	< 10	132
KSD 400S 0330W	203 205	1	0.02	19	520	46	< 5	10	77	0.06	< 10	< 10	72	< 10	130
KSD 400S 0345W	203 205	< 1	0.01	16	580	60	< 5	8	82	0.04	< 10	< 10	61	< 10	132
KSD 400S 0360W	203 205	< 1	0.02	16	510	60	< 5	8	47	0.04	< 10	< 10	66	< 10	128
KSD 400S 0375W	203 205	< 1	0.02	16	620	48	< 5	7	85	0.04	< 10	< 10	63	< 10	136
KSD 400S 0390W	203 205	1	0.02	17	570	50	< 5	8	54	0.06	< 10	< 10	70	< 10	122
KSD 400S 0405W	203 205	< 1	0.01	16	520	48	< 5	7	57	0.05	< 10	< 10	62	< 10	126
KSD 400S 0420W	203 205	< 1	0.02	16	590	48	< 5	7	70	0.05	< 10	< 10	61	< 10	132
KSD 400S 0435W	203 205	< 1	0.01	14	530	44	< 5	6	62	0.04	< 10	< 10	55	< 10	112
KSD 400S 0450W	203 205	< 1	0.01	15	510	36	< 5	7	82	0.04	< 10	< 10	57	< 10	110
KSD 400S 0465W	203 205	< 1	0.02	16	550	38	< 5	7	72	0.04	< 10	< 10	60	< 10	108
KSD 400S 0480W	203 205	< 1	0.02	17	560	40	< 5	7	83	0.04	< 10	< 10	60	< 10	112
KSD 400S 0495W	203 205	< 1	0.02	17	550	38	5	7	79	0.06	< 10	< 10	67	< 10	126
KSD 400S 0510W	203 205	< 1	0.02	17	570	40	< 5	8	92	0.06	< 10	< 10	67	< 10	122
KSD 30+00S 5+00E	203 205	< 1	0.02	13	500	18	5	10	80	0.06	< 10	< 10	67	< 10	96
KSD 30+00S 5+25E	203 205	< 1	0.02	10	880	28	< 5	6	87	0.04	< 10	< 10	45	< 10	92
KSD 30+00S 5+50E	203 205	< 1	0.02	14	720	36	< 5	8	67	0.05	< 10	< 10	66	< 10	102
KSD 30+00S 5+75E	203 205	< 1	0.02	18	610	32	< 5	8	55	0.07	< 10	< 10	79	< 10	128
KSD 30+00S 6+00E	203 205	< 1	0.02	19	600	44	< 5	9	47	0.08	< 10	< 10	89	< 10	128
KSD 30+00S 6+25E	203 205	< 1	0.02	17	600	30	< 5	7	53	0.07	< 10	< 10	79	< 10	128
KSD 30+00S 6+50E	203 205	< 1	0.01	22	520	48	5	9	52	0.08	< 10	< 10	88	< 10	132
KSD 30+00S 6+75E	203 205	< 1	0.02	22	690	56	5	10	59	0.08	< 10	< 10	95	< 10	140
KSD 30+00S 7+00E	203 205	< 1	0.02	20	1050	56	< 5	10	68	0.07	< 10	< 10	86	< 10	136
KSD 30+00S 7+25E	203 205	< 1	0.01	22	450	64	< 5	10	27	0.07	< 10	< 10	91	< 10	126
KSD 30+00S 7+50E	203 205	< 1	0.02	21	760	72	< 5	10	40	0.07	< 10	< 10	91	< 10	144
KSD 30+00S 7+75E	203 205	< 1	0.01	19	370	48	< 5	8	17	0.08	< 10	< 10	83	< 10	114
KSD 30+00S 8+00E	203 205	1	0.02	16	560	62	< 5	7	24	0.09	< 10	< 10	107	< 10	108
KSD 30+00S 8+25E	203 205	< 1	0.03	22	1220	100	< 5	7	46	0.08	< 10	< 10	90	< 10	136
KSD 30+00S 8+50E	203 205	10	0.01	87	330	66	< 5	10	13	0.10	< 10	< 10	108	< 10	122

CERTIFICATION:

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: ARBOR RESOURCES INC.
ATTN: LARRY MCLEAN
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Project: AOR-DAWSON
Comments: CC: A. TROUP

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Invoice No.: I-9024267
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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
KSD 30+00S 8+75E	203 205	70	1.4	1.57	75	160	< 0.5	< 2	0.24	1.0	7	195	34	2.46	10	< 1	0.10	10	0.58	220
KSD 30+00S 9+00E	203 205	45	0.4	2.55	230	160	< 0.5	< 2	0.20	0.5	11	52	36	3.99	10	< 1	0.13	10	1.07	370
KSD 30+00S 9+25E	203 205	45	0.8	2.87	585	200	< 0.5	< 2	0.31	1.0	14	57	47	4.91	10	< 1	0.14	10	1.38	525
KSD 30+00S 9+50E	203 205	30	0.6	3.01	215	200	< 0.5	< 2	0.15	0.5	11	61	35	4.70	10	< 1	0.14	10	1.20	380
KSD 30+00S 9+75E	203 205	15	0.8	3.36	45	170	< 0.5	< 2	0.12	0.5	15	66	40	5.30	10	< 1	0.11	10	2.05	520
KSD30+00E 10+00E	203 205	10	1.0	3.87	35	160	< 0.5	< 2	0.14	1.0	22	45	87	5.41	10	< 1	0.21	10	3.20	1085
KSD30+00E 10+25E	203 205	285	18.6	2.98	430	150	< 0.5	< 2	0.16	1.5	20	42	82	4.82	10	< 1	0.21	10	2.15	760
KSD30+00E 10+50E	203 205	5	0.4	0.78	10	80	< 0.5	2	0.14	< 0.5	2	77	15	1.11	< 10	< 1	0.05	< 10	0.17	70
KSD30+00E 10+75E	203 205	15	1.2	0.96	50	150	< 0.5	4	0.47	1.0	4	30	25	1.50	< 10	< 1	0.09	10	0.33	190
KSD30+00E 11+00E	203 205	20	0.4	2.56	75	160	0.5	< 2	0.44	0.5	15	72	45	4.09	10	< 1	0.14	10	1.60	545
KSD30+00E 11+25E	203 205	25	0.6	2.89	50	240	1.5	< 2	0.51	0.5	19	47	50	6.40	20	< 1	0.43	10	2.00	1505
KSD30+00E 11+50E	203 205	20	1.0	2.21	85	250	0.5	< 2	1.19	1.0	17	72	44	3.56	10	< 1	0.16	10	1.13	1285
KSD30+00E 11+75E	203 205	30	2.0	1.15	35	150	< 0.5	2	1.02	1.5	6	67	25	1.70	10	< 1	0.15	10	0.44	210
KSD30+00E 12+00E	203 205	55	1.8	2.81	115	220	< 0.5	< 2	0.81	1.0	17	55	54	4.35	10	< 1	0.23	10	1.72	745
KSD30+00E 12+25E	203 205	40	1.8	1.53	160	210	< 0.5	4	2.62	5.0	9	54	51	2.20	10	< 1	0.14	< 10	0.88	605
KSD30+00E 12+50E	203 205	45	1.8	2.07	270	260	< 0.5	2	2.03	1.5	11	57	47	3.03	10	< 1	0.19	10	1.11	540
KSD30+00E 12+75E	203 205	50	2.4	2.43	105	270	< 0.5	2	1.21	2.0	11	48	44	3.70	10	< 1	0.17	10	1.24	480
KSD30+00E 13+00E	203 205	40	3.0	2.39	50	330	< 0.5	< 2	1.89	1.5	12	69	56	3.35	10	< 1	0.20	10	1.28	630
KSD30+00E 13+25E	203 205	35	1.8	2.63	35	270	1.0	< 2	0.65	1.0	16	84	33	3.82	10	< 1	0.16	10	1.60	745
KSD30+00E 13+50E	203 205	25	1.8	2.52	40	330	1.5	4	0.92	1.5	16	89	36	3.96	20	< 1	0.17	10	1.55	795
KSD30+00E 13+75E	203 205	20	1.4	2.21	45	310	< 0.5	< 2	1.08	1.0	13	83	32	3.21	10	< 1	0.18	10	1.24	610
KSD30+00E 14+00E	203 205	35	2.2	2.59	85	330	< 0.5	< 2	0.76	1.0	16	88	33	3.81	10	< 1	0.18	10	1.45	865
KSD30+00E 14+25E	203 205	25	1.4	2.42	25	260	< 0.5	< 2	0.65	1.0	15	75	29	3.71	10	< 1	0.14	10	1.38	915
KSD30+00E 14+50E	203 205	25	1.2	2.33	30	250	< 0.5	< 2	0.75	0.5	14	80	28	3.69	10	< 1	0.14	10	1.50	760
KSD30+00E 14+75E	203 205	20	0.6	2.36	35	230	< 0.5	4	0.44	0.5	15	79	17	3.95	10	< 1	0.12	10	1.42	860
KSD30+00E 15+00E	203 205	15	0.8	2.48	30	330	< 0.5	< 2	0.61	0.5	12	118	21	3.64	10	< 1	0.22	10	1.19	845
KSD30+00E 15+25E	203 205	30	1.0	2.29	15	320	< 0.5	2	0.62	1.0	11	130	25	3.47	20	< 1	0.22	20	1.20	600
KSD30+00E 15+50E	203 205	30	0.4	2.43	5	290	< 0.5	< 2	0.51	0.5	13	214	22	3.63	10	< 1	0.17	10	1.47	625
KSD30+00E 15+75E	203 205	30	0.8	2.03	15	160	< 0.5	< 2	0.43	0.5	11	67	33	3.37	10	< 1	0.16	20	1.21	550
KSD30+00E 16+00E	203 205	40	2.8	1.90	60	190	< 0.5	< 2	0.31	5.5	14	84	86	3.54	10	< 1	0.26	10	1.20	1060
KSD30+00E 16+25E	203 205	20	0.6	1.89	25	190	< 0.5	< 2	0.36	1.0	10	67	28	3.15	10	< 1	0.14	10	1.05	480
KSD30+00E 16+50E	203 205	15	0.8	1.81	10	290	< 0.5	2	0.50	1.0	7	72	24	2.41	10	< 1	0.12	20	0.68	245
KSD30+00E 16+75E	203 205	20	1.0	2.21	15	350	< 0.5	< 2	0.52	1.0	10	56	29	2.93	10	< 1	0.14	20	0.93	505
KSD30+00E 17+00E	203 205	25	0.6	2.31	30	330	< 0.5	< 2	0.41	0.5	10	61	29	3.23	10	< 1	0.15	20	0.98	415
KSD30+00E 17+25E	203 205	25	1.0	2.17	25	230	< 0.5	< 2	0.34	0.5	11	71	24	3.28	10	< 1	0.13	10	1.02	525
KSD30+00E 17+50E	203 205	25	1.4	2.28	10	300	< 0.5	2	0.46	1.0	10	56	29	3.13	10	< 1	0.14	20	0.95	410
KSD30+00E 17+75E	203 205	15	1.0	2.34	15	290	< 0.5	4	0.46	1.0	12	65	28	3.45	10	< 1	0.15	20	1.07	545
KSD30+00E 18+00E	203 205	25	0.8	2.41	20	240	< 0.5	< 2	0.39	0.5	13	55	27	3.68	10	< 1	0.14	20	1.21	540
KSD30+00E 18+25E	203 205	25	1.0	2.55	25	320	< 0.5	2	0.61	1.0	11	63	30	3.65	20	< 1	0.17	20	1.21	470
KSD30+00E 18+50E	203 205	90	0.8	2.33	35	290	< 0.5	2	0.51	0.5	10	71	28	3.37	10	< 1	0.14	10	1.07	415

CERTIFICATION:

B. Coughlin



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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
KSD 30+00S 8+75E	203 205	17	0.02	90	760	62	< 5	2	20	0.05	< 10	< 10	60	< 10	130
KSD 30+00S 9+00E	203 205	< 1	0.01	18	330	50	< 5	6	17	0.08	< 10	< 10	90	< 10	102
KSD 30+00S 9+25E	203 205	< 1	0.01	22	330	28	< 5	7	20	0.08	< 10	< 10	85	< 10	90
KSD 30+00S 9+50E	203 205	1	0.01	19	340	20	< 5	8	16	0.10	< 10	< 10	112	< 10	80
KSD 30+00S 9+75E	203 205	< 1	0.01	20	300	66	< 5	10	11	0.07	< 10	< 10	113	< 10	112
KSD30+00E 10+00E	203 205	8	0.01	16	270	8	< 5	10	7	0.01	< 10	< 10	107	< 10	86
KSD30+00E 10+25E	203 205	< 1	0.01	19	300	540	5	6	11	0.06	< 10	< 10	59	< 10	248
KSD30+00E 10+50E	203 205	< 1	0.02	6	760	16	< 5	< 1	12	0.02	< 10	< 10	27	< 10	54
KSD30+00E 10+75E	203 205	< 1	0.02	6	1050	38	< 5	1	30	0.02	< 10	< 10	26	< 10	64
KSD30+00E 11+00E	203 205	< 1	0.02	17	430	18	< 5	9	25	0.08	< 10	< 10	96	< 10	92
KSD30+00E 11+25E	203 205	1	0.02	4	750	30	5	14	16	0.14	< 10	< 10	159	< 10	120
KSD30+00E 11+50E	203 205	1	0.01	14	790	46	< 5	7	56	0.06	< 10	< 10	65	< 10	120
KSD30+00E 11+75E	203 205	< 1	0.02	9	940	104	< 5	4	53	0.04	< 10	< 10	38	< 10	96
KSD30+00E 12+00E	203 205	< 1	0.01	19	480	112	< 5	10	41	0.10	< 10	< 10	84	< 10	190
KSD30+00E 12+25E	203 205	< 1	0.01	16	800	126	< 5	4	103	0.04	< 10	< 10	39	< 10	230
KSD30+00E 12+50E	203 205	1	0.02	17	930	46	5	7	94	0.05	< 10	< 10	52	< 10	164
KSD30+00E 12+75E	203 205	1	0.02	16	610	80	< 5	9	62	0.06	< 10	< 10	65	< 10	178
KSD30+00E 13+00E	203 205	1	0.02	17	770	68	< 5	9	90	0.06	< 10	< 10	64	< 10	166
KSD30+00E 13+25E	203 205	< 1	0.02	19	580	72	< 5	9	34	0.08	< 10	< 10	78	< 10	168
KSD30+00E 13+50E	203 205	< 1	0.02	19	610	96	< 5	9	46	0.09	< 10	< 10	76	< 10	184
KSD30+00E 13+75E	203 205	< 1	0.02	18	480	58	< 5	7	57	0.07	< 10	< 10	64	< 10	164
KSD30+00E 14+00E	203 205	< 1	0.02	18	570	100	5	8	43	0.07	< 10	< 10	82	< 10	170
KSD30+00E 14+25E	203 205	< 1	0.02	16	610	54	< 5	8	38	0.07	< 10	< 10	81	< 10	144
KSD30+00E 14+50E	203 205	< 1	0.01	18	560	46	< 5	8	38	0.09	< 10	< 10	76	< 10	132
KSD30+00E 14+75E	203 205	< 1	0.01	14	560	48	< 5	7	24	0.09	< 10	< 10	72	< 10	126
KSD30+00E 15+00E	203 205	< 1	0.03	15	590	54	< 5	8	36	0.11	< 10	< 10	75	< 10	140
KSD30+00E 15+25E	203 205	< 1	0.02	14	640	36	< 5	7	36	0.10	< 10	< 10	67	< 10	138
KSD30+00E 15+50E	203 205	< 1	0.02	14	620	22	< 5	7	29	0.14	< 10	< 10	69	< 10	122
KSD30+00E 15+75E	203 205	< 1	0.01	14	610	86	< 5	7	22	0.08	< 10	< 10	62	< 10	154
KSD30+00E 16+00E	203 205	2	0.01	8	580	1780	< 5	5	15	0.03	< 10	< 10	44	< 10	912
KSD30+00E 16+25E	203 205	< 1	0.01	12	520	156	< 5	6	18	0.07	< 10	< 10	53	< 10	178
KSD30+00E 16+50E	203 205	< 1	0.01	14	670	48	< 5	6	34	0.05	< 10	< 10	47	< 10	110
KSD30+00E 16+75E	203 205	< 1	0.01	16	650	84	< 5	6	34	0.06	< 10	< 10	58	< 10	120
KSD30+00E 17+00E	203 205	1	0.01	16	660	114	< 5	7	28	0.06	< 10	< 10	64	< 10	138
KSD30+00E 17+25E	203 205	< 1	0.01	15	510	60	< 5	6	21	0.07	< 10	< 10	62	< 10	124
KSD30+00E 17+50E	203 205	< 1	0.01	16	630	66	< 5	8	29	0.05	< 10	< 10	59	< 10	108
KSD30+00E 17+75E	203 205	< 1	0.01	16	600	60	< 5	7	27	0.07	< 10	< 10	67	< 10	114
KSD30+00E 18+00E	203 205	< 1	0.01	15	530	44	< 5	7	22	0.08	< 10	< 10	72	< 10	124
KSD30+00E 18+25E	203 205	< 1	0.01	20	530	34	< 5	7	35	0.06	< 10	< 10	67	< 10	120
KSD30+00E 18+50E	203 205	< 1	0.01	17	670	26	< 5	7	32	0.05	< 10	< 10	65	< 10	98

CERTIFICATION:

B. Coughlin



Chemex Labs Ltd.

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

To: ARBOR RESOURCES INC.
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V6B 1N2

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

Page : 3-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
KSD30+00E 18+75E	203 205	10	0.4	3.33	15	140	< 0.5	< 2	0.78	< 0.5	21	278	54	3.46	10	< 1	0.09	10	3.00	520
KSD30+00E 19+00E	203 205	15	0.4	2.60	20	170	< 0.5	< 2	0.49	0.5	17	142	30	3.43	10	< 1	0.09	10	1.79	740
KSD30+00E 19+25E	203 205	10	0.6	3.12	10	330	< 0.5	< 2	0.55	1.0	16	152	35	3.81	10	< 1	0.16	20	1.92	665
KSD30+00E 19+50E	203 205	15	0.4	1.91	10	200	< 0.5	< 2	0.48	0.5	11	83	20	3.18	10	< 1	0.06	10	1.09	460
KSD30+00E 19+75E	203 205	< 5	< 0.2	1.88	40	250	< 0.5	< 2	0.60	0.5	12	82	21	3.63	10	< 1	0.10	10	0.99	690
KSD30+00E 20+00E	203 205	15	< 0.2	1.92	5	230	< 0.5	< 2	0.43	0.5	10	82	19	2.61	10	< 1	0.06	10	1.06	350
KSD30+00E 20+25E	203 205	< 5	0.4	2.25	5	390	< 0.5	< 2	0.91	0.5	14	122	68	3.48	10	< 1	0.10	10	1.19	615
KSD30+00E 20+50E	203 205	< 5	0.2	2.18	10	330	< 0.5	< 2	0.73	< 0.5	14	95	55	3.61	10	< 1	0.07	10	1.28	610
KSD30+00E 20+75E	203 205	10	0.4	2.38	10	460	< 0.5	< 2	0.83	< 0.5	17	110	46	3.48	10	< 1	0.10	20	1.22	1390
KSD30+00E 21+00E	203 205	5	0.4	2.17	10	360	< 0.5	< 2	0.95	0.5	15	101	55	3.30	10	< 1	0.08	10	1.21	890
KSD30+00E 21+25E	203 205	10	0.4	2.42	15	380	< 0.5	< 2	1.09	< 0.5	15	115	70	3.43	10	< 1	0.11	10	1.35	780
KSD30+00E 21+50E	203 205	10	0.4	2.74	40	320	< 0.5	< 2	0.85	0.5	17	183	85	4.09	10	< 1	0.12	20	1.91	740
KSD30+00E 21+75E	203 205	< 5	0.6	2.40	< 5	220	< 0.5	< 2	0.53	0.5	13	144	74	3.69	10	< 1	0.12	10	1.27	440
KSD30+00E 22+00E	203 205	< 5	0.4	2.21	15	230	< 0.5	< 2	0.46	< 0.5	12	101	48	3.48	10	< 1	0.06	10	1.21	405
KSD30+00E 22+25E	203 205	< 5	0.4	2.49	10	270	< 0.5	< 2	0.68	< 0.5	14	131	53	3.73	10	< 1	0.10	20	1.39	530
KSD30+00E 22+50E	203 205	15	0.6	2.64	20	360	< 0.5	< 2	0.86	< 0.5	16	134	77	3.75	10	< 1	0.12	20	1.50	685
KSD30+00E 22+75E	203 205	< 5	0.4	2.51	15	280	< 0.5	< 2	0.71	< 0.5	15	139	58	3.65	10	< 1	0.10	10	1.51	530
KSD30+00E 23+00E	203 205	< 5	0.2	2.26	< 5	320	< 0.5	< 2	0.91	0.5	13	111	69	3.25	10	< 1	0.08	10	1.27	515
KSD30+00E 23+25E	203 205	< 5	0.2	2.41	< 5	380	< 0.5	< 2	1.23	0.5	17	111	68	3.56	10	< 1	0.09	10	1.35	865
KSD30+00E 23+50E	203 205	< 5	0.2	2.40	70	320	0.5	< 2	0.90	< 0.5	17	116	43	3.87	10	4	0.08	20	1.28	750
KSD30+00E 23+75E	203 205	15	0.2	2.03	5	360	< 0.5	< 2	1.36	< 0.5	15	76	36	3.21	10	< 1	0.08	10	0.88	765
KSD30+00E 24+00E	203 205	10	0.2	2.22	15	360	< 0.5	< 2	1.26	< 0.5	17	114	51	3.66	10	< 1	0.09	20	1.17	1170
KSD30+00E 24+25E	203 205	10	0.8	2.64	25	220	< 0.5	< 2	0.78	< 0.5	21	243	83	3.73	10	< 1	0.10	20	2.10	500
KSD30+00E 24+50E	203 205	< 5	0.4	2.63	10	170	< 0.5	< 2	0.48	< 0.5	19	159	120	4.61	10	< 1	0.18	10	1.82	555
OPC 0+00N 0+00W	203 205	15	0.2	1.51	< 5	310	< 0.5	< 2	0.60	0.5	8	71	13	2.47	10	< 1	0.12	20	0.63	365
OPC 0+00N 0+10W	203 205	10	0.2	1.46	< 5	290	< 0.5	< 2	0.47	< 0.5	5	70	7	2.48	10	< 1	0.16	20	0.57	195
OPC 0+00N 0+20W	203 205	< 5	0.2	1.27	5	350	< 0.5	< 2	0.40	< 0.5	9	102	7	2.50	10	< 1	0.18	20	0.60	495
OPC 0+00N 0+30W	203 205	10	0.8	1.59	< 5	780	< 0.5	< 2	0.57	1.5	11	60	17	2.65	10	< 1	0.28	50	0.59	735
OPC 0+00N 0+40W	203 205	15	< 0.2	0.11	5	40	< 0.5	< 2	0.02	< 0.5	< 1	1	< 1	0.17	< 10	< 1	0.01	< 10	0.04	25
OPC 0+00N 0+50W	203 205	< 5	0.6	1.70	< 5	670	< 0.5	< 2	0.56	0.5	5	63	13	2.08	10	< 1	0.22	40	0.47	175
OPC 0+00N 0+55W	203 205	< 5	1.2	1.27	< 5	650	< 0.5	< 2	0.37	5.0	152	77	12	8.83	20	< 1	0.33	50	0.34	>10000
OPC 0+00N 0+60W	203 205	< 5	0.4	1.30	5	380	< 0.5	< 2	0.59	0.5	9	63	20	2.55	10	< 1	0.15	20	0.54	605
OPC 0+00N 0+70W	203 205	10	0.2	1.61	5	310	< 0.5	< 2	0.55	< 0.5	9	68	16	2.59	10	< 1	0.10	20	0.53	375
OPC 0+00N 0+80W	203 205	< 5	0.4	1.55	5	230	< 0.5	< 2	0.53	< 0.5	9	61	19	2.57	10	< 1	0.10	20	0.57	330
OPC 0+00N 0+90W	203 205	10	0.6	1.81	10	240	< 0.5	< 2	0.45	< 0.5	10	57	26	2.85	10	< 1	0.09	20	0.59	300
OPC 0+00N 1+00W	203 205	< 5	0.6	2.17	5	350	< 0.5	< 2	0.47	< 0.5	9	65	13	2.95	10	< 1	0.13	20	0.52	345
OPC 0+00N 1+10W	203 205	< 5	0.6	2.01	5	380	< 0.5	< 2	0.56	< 0.5	10	90	23	2.97	10	< 1	0.16	20	0.59	405
OPC 0+00N 1+30W	203 205	< 5	0.6	2.00	10	400	< 0.5	< 2	0.52	< 0.5	9	65	16	2.89	10	< 1	0.14	20	0.58	315
OPC 0+00N 1+50W	203 205	< 5	0.8	1.80	< 5	510	< 0.5	2	0.84	0.5	7	64	24	3.07	20	< 1	0.17	40	0.56	335
OPC 0+00N 1+70W	203 205	< 5	0.8	1.59	< 5	550	< 0.5	2	0.34	< 0.5	8	64	14	2.06	10	< 1	0.23	30	0.46	260

CERTIFICATION:

B. Cough



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

Page: 3-B
Total Pages: 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
KSD30+00E 18+75E	203 205	< 1	0.02	96	330	6	< 5	9	36	0.15	< 10	< 10	71	< 10	78
KSD30+00E 19+00E	203 205	1	0.01	48	510	22	< 5	7	24	0.11	< 10	< 10	65	< 10	100
KSD30+00E 19+25E	203 205	1	0.02	48	610	30	< 5	9	32	0.11	< 10	< 10	74	< 10	114
KSD30+00E 19+50E	203 205	1	0.01	16	640	20	< 5	5	25	0.07	< 10	< 10	51	< 10	96
KSD30+00E 19+75E	203 205	< 1	0.01	16	560	42	< 5	5	32	0.06	< 10	< 10	56	< 10	112
KSD30+00E 20+00E	203 205	< 1	0.01	21	530	24	< 5	5	26	0.07	< 10	< 10	53	< 10	98
KSD30+00E 20+25E	203 205	< 1	0.02	30	930	4	< 5	7	53	0.12	< 10	< 10	83	< 10	90
KSD30+00E 20+50E	203 205	< 1	0.01	34	710	4	< 5	7	39	0.10	< 10	< 10	92	< 10	90
KSD30+00E 20+75E	203 205	< 1	0.02	37	620	2	< 5	7	48	0.11	< 10	< 10	85	< 10	102
KSD30+00E 21+00E	203 205	< 1	0.01	41	710	6	< 5	7	49	0.09	< 10	< 10	81	< 10	94
KSD30+00E 21+25E	203 205	< 1	0.01	46	720	4	< 5	8	60	0.10	< 10	< 10	90	< 10	92
KSD30+00E 21+50E	203 205	< 1	0.01	77	610	6	5	9	48	0.14	< 10	< 10	102	< 10	114
KSD30+00E 21+75E	203 205	< 1	0.02	34	540	< 2	< 5	6	34	0.16	< 10	< 10	97	< 10	80
KSD30+00E 22+00E	203 205	< 1	0.01	35	510	< 2	< 5	6	27	0.12	< 10	< 10	83	< 10	82
KSD30+00E 22+25E	203 205	< 1	0.02	42	610	< 2	< 5	8	40	0.16	< 10	< 10	96	< 10	80
KSD30+00E 22+50E	203 205	< 1	0.02	57	800	< 2	< 5	8	51	0.13	< 10	< 10	93	< 10	84
KSD30+00E 22+75E	203 205	< 1	0.01	52	730	2	< 5	7	40	0.13	< 10	< 10	90	< 10	84
KSD30+00E 23+00E	203 205	< 1	0.01	44	630	2	< 5	7	50	0.13	< 10	< 10	81	< 10	76
KSD30+00E 23+25E	203 205	< 1	0.01	52	710	4	< 5	7	63	0.09	< 10	< 10	82	< 10	90
KSD30+00E 23+50E	203 205	< 1	0.01	52	630	2	25	6	49	0.13	< 10	< 10	95	< 10	86
KSD30+00E 23+75E	203 205	1	0.01	30	760	4	< 5	5	72	0.09	< 10	< 10	74	< 10	84
KSD30+00E 24+00E	203 205	1	0.02	55	740	6	5	6	63	0.14	< 10	< 10	85	< 10	86
KSD30+00E 24+25E	203 205	< 1	0.01	152	750	< 2	< 5	6	30	0.22	< 10	< 10	70	< 10	82
KSD30+00E 24+50E	203 205	< 1	0.02	79	760	< 2	< 5	5	23	0.21	< 10	< 10	104	< 10	94
OPC 0+00N 0+00W	203 205	1	0.02	16	730	2	< 5	3	36	0.09	< 10	< 10	50	< 10	82
OPC 0+00N 0+10W	203 205	1	0.02	13	620	10	< 5	3	31	0.07	< 10	< 10	40	< 10	78
OPC 0+00N 0+20W	203 205	1	0.02	11	570	8	< 5	2	31	0.06	< 10	< 10	34	< 10	72
OPC 0+00N 0+30W	203 205	2	0.02	15	520	24	< 5	3	73	0.07	< 10	< 10	31	< 10	130
OPC 0+00N 0+40W	203 205	< 1	< 0.01	1	20	< 2	5	< 1	4	< 0.01	< 10	< 10	2	< 10	10
OPC 0+00N 0+50W	203 205	< 1	0.02	13	560	18	< 5	3	59	0.09	< 10	< 10	36	< 10	118
OPC 0+00N 0+55W	203 205	6	0.01	68	390	18	< 5	2	45	0.03	< 10	< 10	7	< 10	1085
OPC 0+00N 0+60W	203 205	< 1	0.02	19	630	12	< 5	3	44	0.08	< 10	< 10	41	< 10	112
OPC 0+00N 0+70W	203 205	< 1	0.02	19	480	6	< 5	4	36	0.09	< 10	< 10	52	< 10	64
OPC 0+00N 0+80W	203 205	< 1	0.03	21	450	6	< 5	4	34	0.09	< 10	< 10	50	< 10	58
OPC 0+00N 0+90W	203 205	< 1	0.02	26	330	8	< 5	6	31	0.10	< 10	< 10	58	< 10	58
OPC 0+00N 1+00W	203 205	< 1	0.02	22	210	8	< 5	5	32	0.12	< 10	< 10	65	< 10	56
OPC 0+00N 1+10W	203 205	< 1	0.04	25	240	4	< 5	6	42	0.12	< 10	< 10	63	< 10	64
OPC 0+00N 1+30W	203 205	< 1	0.03	22	380	6	< 5	5	37	0.10	< 10	< 10	58	< 10	64
OPC 0+00N 1+50W	203 205	1	0.02	19	410	8	< 5	4	45	0.08	< 10	< 10	51	< 10	88
OPC 0+00N 1+70W	203 205	< 1	0.01	13	420	22	< 5	3	26	0.07	< 10	< 10	34	< 10	68

CERTIFICATION:

B. Campbell

APPENDIX II

ROCK CHIP SAMPLES CERTIFICATES OF ANALYSES



Chemex Labs Ltd.

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Project: AOR-DAW
Comments: CC: ART TROUP

Page 1 of 1
Total Fees: \$ 2
Invoice Date: 11-OCT-90
Invoice No.: I-9024247
P.O. Number:

CERTIFICATE OF ANALYSIS

A9024247

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
39701 G	208 294	< 0.002	4.0	0.03	40	< 10	< 0.5	< 2	0.01	0.5	1	218	74	0.46	< 10	< 1	< 0.01	< 10	0.02	25
39702 G	208 294	< 0.002	0.6	0.06	40	20	< 0.5	< 2	0.01	0.5	< 1	237	56	0.50	< 10	< 1	< 0.01	< 10	0.03	25
39703 G	208 294	0.004 >200		0.03	195	< 10	< 0.5	2	0.01	5.5	< 1	204	589	1.12	< 10	< 1	< 0.01	< 10	0.01	20
39704 G	208 294	0.002 >200		0.02	200	< 10	< 0.5	< 2	< 0.01	3.0	< 1	234	540	0.97	< 10	< 1	< 0.01	< 10	< 0.01	20
39705 G	208 294	< 0.002	6.8	1.44	325	220	< 0.5	< 2	0.15	0.5	6	195	31	4.99	< 10	< 1	0.29	< 10	1.44	185
39706 G	208 294	0.002	3.4	3.07	810	100	< 0.5	< 2	2.30	12.0	18	79	160	5.49	< 10	< 1	0.17	< 10	3.08	780
39707 G	208 294	< 0.002	3.0	0.97	100	60	< 0.5	2	0.05	2.5	7	371	22	2.01	< 10	< 1	0.11	< 10	0.87	240
39708 G	208 294	0.002	8.6	0.16	140	50	< 0.5	4	0.02	1.5	< 1	160	117	0.93	< 10	< 1	0.06	< 10	0.09	40
39709 G	208 294	< 0.002	5.0	3.11	1020	110	< 0.5	2	0.24	30.5	32	79	95	5.74	< 10	< 1	0.14	< 10	3.65	1170
39710 G	208 294	< 0.002	0.6	0.05	75	< 10	< 0.5	< 2	< 0.01	1.0	< 1	197	29	0.64	< 10	< 1	< 0.01	< 10	0.03	30
39711 G	208 294	< 0.002	4.6	3.43	1655	260	< 0.5	< 2	0.23	44.0	30	123	103	5.99	< 10	< 1	0.33	10	3.87	1165
39712 G	208 294	0.050 >200		0.15	1210	10	< 0.5	< 2	0.04	52.5	< 1	168	>10000	2.74	< 10	< 1	< 0.01	< 10	0.08	40
39713 G	208 294	0.172 >200		0.18	865	20	< 0.5	< 2	0.02	>100.0	< 1	369	>10000	5.02	< 10	< 1	< 0.01	< 10	0.04	35
39714 G	208 294	0.028 188.5		0.12	370	< 10	< 0.5	< 2	0.06	13.5	< 1	248	1290	1.28	< 10	< 1	< 0.01	< 10	0.08	25
39715 G	208 294	0.022 >200		0.59	2370	210	< 0.5	< 2	0.03	29.0	< 1	177	3890	>15.00	< 10	< 1	2.18	< 10	0.06	10
39716 G	208 294	0.002	44.8	0.11	180	30	< 0.5	4	0.01	2.5	< 1	255	256	1.13	< 10	< 1	0.06	< 10	0.03	25
39717 G	208 294	0.004	23.6	2.98	535	90	< 0.5	8	0.19	18.5	9	80	310	6.55	< 10	< 1	0.16	< 10	3.13	840
39718 G	208 294	0.010	16.4	0.21	30	20	< 0.5	2	0.24	0.5	2	216	71	0.95	< 10	< 1	0.03	< 10	0.19	155
39719 G	208 294	< 0.002	21.8	0.03	20	< 10	< 0.5	2	0.01	0.5	1	236	82	0.50	< 10	< 1	< 0.01	< 10	0.02	30
39720 G	208 294	0.016	13.6	1.58	90	240	< 0.5	4	0.56	0.5	15	58	54	5.63	< 10	< 1	0.62	10	1.00	680
39721 G	208 294	0.012	3.8	0.18	40	30	< 0.5	< 2	0.03	0.5	2	451	24	1.58	< 10	< 1	0.02	< 10	0.09	105
39722 G	208 294	< 0.002	3.0	2.00	15	150	< 0.5	2	0.66	2.5	17	40	102	4.59	< 10	< 1	0.35	10	1.40	870
39723 G	208 294	< 0.002	0.8	0.05	< 5	< 10	< 0.5	4	0.02	< 0.5	1	445	7	0.56	< 10	< 1	< 0.01	< 10	0.02	40
39724 G	208 294	< 0.002	4.6	0.04	< 5	< 10	< 0.5	2	0.05	< 0.5	< 1	263	14	0.33	< 10	< 1	< 0.01	< 10	0.03	45
39725 G	208 294	0.002	1.4	1.79	5	140	< 0.5	6	0.61	< 0.5	12	202	21	2.78	< 10	< 1	0.20	20	1.58	440
39726 G	208 294	< 0.002	1.8	0.18	5	10	< 0.5	2	0.20	< 0.5	2	236	13	0.49	< 10	< 1	< 0.01	< 10	0.18	60
39727 G	208 294	< 0.002	0.2	1.13	35	330	< 0.5	2	0.35	< 0.5	8	205	12	2.69	< 10	< 1	0.06	< 10	0.86	490
39728 G	208 294	< 0.002	< 0.2	1.01	5	20	< 0.5	4	0.13	< 0.5	4	156	19	2.20	< 10	< 1	0.03	< 10	0.84	350
39729 G	208 294	< 0.002	< 0.2	1.04	5	70	< 0.5	6	0.19	< 0.5	1	113	11	2.79	< 10	< 1	0.08	10	0.37	420
39730 G	208 294	< 0.002	< 0.2	2.11	10	470	< 0.5	6	0.34	< 0.5	11	160	30	3.82	< 10	1	0.33	10	1.63	840
39731 G	208 294	< 0.002	< 0.2	1.64	< 5	640	< 0.5	4	1.65	< 0.5	10	52	27	4.57	< 10	< 1	1.10	10	1.13	900
39732 G	208 294	< 0.002	0.2	1.29	55	170	< 0.5	2	0.90	< 0.5	15	46	43	3.85	< 10	< 1	0.16	10	0.86	560
39733 G	208 294	< 0.002	0.6	0.26	< 5	70	< 0.5	< 2	0.04	< 0.5	1	246	5	0.50	< 10	< 1	0.07	< 10	0.15	150
39734 G	208 294	< 0.002	10.8	0.03	55	10	< 0.5	< 2	< 0.01	8.5	< 1	134	130	0.41	< 10	< 1	< 0.01	< 10	0.01	20
39735 G	208 294	< 0.002	4.4	0.02	40	< 10	< 0.5	< 2	< 0.01	0.5	< 1	200	8	0.43	< 10	1	< 0.01	< 10	< 0.01	30
39736 G	208 294	< 0.002	0.2	0.04	< 5	20	< 0.5	< 2	< 0.01	< 0.5	< 1	281	3	0.29	< 10	< 1	< 0.01	< 10	0.01	35
39737 G	208 294	< 0.002	0.2	0.03	10	< 10	< 0.5	< 2	0.01	< 0.5	< 1	269	5	0.41	< 10	< 1	< 0.01	< 10	0.03	125
39738 G	208 294	< 0.002	18.4	0.16	70	40	< 0.5	6	0.01	2.5	< 1	234	15	0.78	< 10	< 1	0.03	< 10	0.09	110
39739 G	208 294	< 0.002	0.6	0.01	< 5	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	381	2	0.43	< 10	< 1	< 0.01	< 10	< 0.01	40
39740 G	208 294	< 0.002	3.0	0.03	40	< 10	< 0.5	< 2	< 0.01	1.0	< 1	187	5	0.66	< 10	< 1	< 0.01	< 10	0.01	35

CERTIFICATION:

B. Coughlin



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
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VANCOUVER, BC
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Project: AOR-DAW
Comments: CC: ART TROUP

Page: 1-B
Total Pages: 2
Invoice Date: 11-OCT-90
Invoice No.: I-9024247
P.O. Number:

CERTIFICATE OF ANALYSIS

A9024247

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
39701 G	208 294	1 < 0.01		3	10	1630	< 5	< 1	< 1 < 0.01	< 10	< 10	1	< 10	72	
39702 G	208 294	1 < 0.01		4	10	146	< 5	< 1	1 < 0.01	< 10	< 10	2	< 10	98	
39703 G	208 294	4 < 0.01		2	40	>10000	55	< 1	11 < 0.01	< 10	< 10	2	< 10	104	
39704 G	208 294	3 < 0.01		3	20	>10000	25	< 1	6 < 0.01	< 10	< 10	1	< 10	56	
39705 G	208 294	1 < 0.01		9	50	666	5	4	10 < 0.01	< 10	< 10	33	< 10	114	
39706 G	208 294	< 1 < 0.01		22	460	136	5	6	137 < 0.01	< 10	< 10	58	< 10	868	
39707 G	208 294	< 1 < 0.01		9	70	342	< 5	2	3 < 0.01	< 10	< 10	18	< 10	256	
39708 G	208 294	1 < 0.01		3	20	1875	< 5	< 1	4 < 0.01	< 10	< 10	5	< 10	218	
39709 G	208 294	< 1 < 0.01		33	390	308	5	8	17 < 0.02	< 10	< 10	51	< 10	1790	
39710 G	208 294	1 < 0.01		2	20	232	< 5	< 1	< 1 < 0.01	< 10	< 10	1	< 10	114	
39711 G	208 294	< 1 < 0.01		43	330	206	5	9	19 < 0.01	< 10	< 10	61	< 10	2120	
39712 G	208 294	8 < 0.01		3	< 10	>10000	940	< 1	27 < 0.01	< 10	< 10	2	50	2060	
39713 G	208 294	19 < 0.01		6	< 10	>10000	3790	1	19 < 0.01	< 10	< 10	2	50	4160	
39714 G	208 294	5 < 0.01		2	240	>10000	230	< 1	12 < 0.01	< 10	< 10	3	< 10	730	
39715 G	208 294	< 1 < 0.01		2	20	>10000	915	3	14 < 0.01	< 10	< 10	23	< 50	1620	
39716 G	208 294	3 < 0.01		3	30	2970	35	< 1	2 < 0.01	< 10	< 10	4	< 10	214	
39717 G	208 294	< 1 < 0.01		16	370	1810	15	7	17 < 0.01	< 10	< 10	90	< 10	3280	
39718 G	208 294	< 1 < 0.01		5	930	732	10	1	19 < 0.01	< 10	< 10	10	< 10	70	
39719 G	208 294	1 < 0.01		3	20	950	15	< 1	2 < 0.01	< 10	< 10	2	< 10	38	
39720 G	208 294	< 1 < 0.01		8	610	258	< 5	5	68 < 0.06	< 10	< 10	44	< 10	48	
39721 G	208 294	2 < 0.01		7	90	146	< 5	< 1	16 < 0.01	< 10	< 10	12	< 10	36	
39722 G	208 294	< 1 < 0.01		7	690	120	< 5	5	18 < 0.14	< 10	< 10	77	< 10	80	
39723 G	208 294	1 < 0.01		4	40	54	< 5	< 1	2 < 0.01	< 10	< 10	4	< 10	4	
39724 G	208 294	< 1 < 0.01		5	180	138	< 5	< 1	3 < 0.01	< 10	< 10	2	< 10	4	
39725 G	208 294	< 1 < 0.02		35	570	66	< 5	5	23 < 0.06	< 10	< 10	60	< 10	64	
39726 G	208 294	< 1 < 0.01		4	760	82	< 5	1	12 < 0.01	< 10	< 10	6	< 10	16	
39727 G	208 294	< 1 < 0.02		5	330	44	< 5	6	13 < 0.13	< 10	< 10	59	< 10	62	
39728 G	208 294	< 1 < 0.01		2	360	14	< 5	3	6 < 0.01	< 10	< 10	22	< 10	44	
39729 G	208 294	< 1 < 0.07		2	290	34	< 5	7	13 < 0.08	< 10	< 10	2	< 10	64	
39730 G	208 294	< 1 < 0.05		20	670	18	< 5	6	13 < 0.11	< 10	< 10	66	< 10	90	
39731 G	208 294	< 1 < 0.02		1	1020	22	5	8	55 < 0.21	< 10	< 10	43	< 10	94	
39732 G	208 294	< 1 < 0.02		7	1190	80	< 5	5	41 < 0.12	< 10	< 10	80	< 10	44	
39733 G	208 294	< 1 < 0.01		4	70	20	< 5	< 1	2 < 0.01	< 10	< 10	4	< 10	8	
39734 G	208 294	< 1 < 0.01		3	10	8260	5	< 1	3 < 0.01	< 10	< 10	1	< 10	434	
39735 G	208 294	1 < 0.01		2	< 10	2030	< 5	< 1	2 < 0.01	< 10	< 10	< 1	< 10	66	
39736 G	208 294	< 1 < 0.01		4	< 10	84	< 5	< 1	< 1 < 0.01	< 10	< 10	< 1	< 10	4	
39737 G	208 294	1 < 0.01		2	30	40	< 5	< 1	1 < 0.01	< 10	< 10	1	< 10	30	
39738 G	208 294	1 < 0.01		5	20	7420	5	< 1	3 < 0.01	< 10	< 10	3	< 10	210	
39739 G	208 294	< 1 < 0.01		5	< 10	194	< 5	< 1	1 < 0.01	< 10	< 10	< 1	< 10	10	
39740 G	208 294	1 < 0.01		3	< 10	1675	< 5	< 1	1 < 0.01	< 10	< 10	3	< 10	98	

CERTIFICATION:

B. Coughlin

GEOFYSICAL REPORT
ON
INDUCED POLARIZATION, RESISTIVITY,
AND MAGNETIC SURVEYS
OVER PORTIONS OF THE
JAE AND DAWSON CLAIMS
HUNKER CREEK, DAWSON CITY AREA
DAWSON M.D., YUKON TERRITORY

092954

PROPERTY - JAE : Center is 31.5 km S 50°E of Dawson City
: 63°52' North Latitude, 138°57' West Longitude
: N.T.S. 115 0/15

- DAWSON : Center is 18.0 km S 25°E of Dawson City
: 63°59' N latitude, 139°04'W longitude
: N.T.S. 115 0/14

CLAIMS WORKED : See Table II

SURVEY PERIOD : September 5 - November 4, 1990

WRITTEN FOR : KLONDIKE REEF MINES LTD.
: ARBOR RESOURCES INC.
: APPIAN RESOURCES LTD.
: 1000 - 1177 West Hastings Street
: Vancouver, B.C. V6E 2K3

WRITTEN BY : David G. Mark, Geophysicist
: GEOTRONICS SURVEYS LTD.
: #530 - 800 West Pender Street
: Vancouver, B.C., V6C 2V6

DATE : April, 1991



GEOTRONICS SURVEYS LTD.
Engineering & Mining Geophysicists
VANCOUVER, CANADA

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II

LIST OF ILLUSTRATIONS

AT END OF REPORT

	<u>Scale</u>	<u>Map #</u>
Location Map	1: 9,175,000	1
Claim Map - JAE	1: 50,000	J-2
- Dawson	1: 50,000	FS-2
Survey Plan	1: 5,000	J-3
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JAE Grid

1) Survey Data Plans

Apparent Chargeability, n=2	1: 5,000	J-4
Apparent Chargeability, n=4	1: 5,000	J-5
Apparent Chargeability, n=6	1: 5,000	J-6
Apparent Resistivity, n=2	1: 5,000	J-7
Apparent Resistivity, n=4	1: 5,000	J-8
Apparent Resistivity, n=6	1: 5,000	J-9
Magnetic Survey	1: 5,000	J-10

2) Pseudosections

Line 4 + 00S	1: 2,500	J-11
Line 2 + 00S	1: 2,500	J-12
Line 0 + 00	1: 2,500	J-13
Line 5 + 00N	1: 2,500	J-14
Line 6 + 50N	1: 2,500	J-15

	<u>Scale</u>	<u>Map #</u>
<u>Frank Short's Pit Grid (Dawson Claims)</u>		
1) Survey Data Plans		
Apparent Chargeability, n=2	1: 2,500	FS-4
Apparent Resistivity, n=2	1: 2,500	FS-5
2) Pseudosections		
Line 0 + 00	1: 2,500	FS-6
Line 1 + 15S	1: 2,500	FS-7

SUMMARY

IP, resistivity, and magnetic surveys were carried out over a portion of the JAE claims and IP and resistivity surveys over a portion of the Dawson claims. Klondike Reef Mines Ltd. is optioning 50% of both properties. Both properties occur within the Klondike mining camp; (1) the JAE claims on King Solomon's Dome 31.5 km southeast of Dawson City, and (2) the Dawson claims on Last Chance Creek 18.0 km southeast of Dawson City.

On the JAE claims, the purpose of the work was to determine the geophysical response of the Mitchell and Sheba veins, whether there was any strike extension to the veins, and whether other vein-type mineralization occurs on the property. Across Frank Short's Pit, the purpose was to determine the geophysical response, especially resistivity, across the epithermal alteration zone.

The JAE claims are underlain mostly by Klondike schists. Numerous quartz veins occur on the property usually parallel to the schistosity striking in a northerly direction. The two main veins, with widths up to 1.8 m, are the Mitchell and the Sheba, both dipping about 45° easterly. The sulphides are pyrite, galena, pyrrhotite, chalcopyrite, arsenopyrite, freibergite and gold. A 1988 three-ton bulk sample to Trail contained 34% lead, 2% copper 196.25 oz/ton silver, and 0.03 oz/ton gold.

The Dawson claims are also mostly underlain by Klondike Schists. The bedrock within Frank Short's pit, which occurs a few hundred meters southwest of the Nasina carbonaceous rocks, was highly clay altered indicating an epithermal system. The placer operations had mined into the bedrock suggesting it to be gold-mineralized.

The IP and resistivity surveys were carried out using a Hunttec receiver operating in the time-domain mode. The array used was dipole-dipole read at seven or eight separations with a dipole length and reading interval of 30 m. Three lines were carried out across and to the north of the Sheba showing, two lines across and to the north of the Mitchell showing, and two lines across and to the southeast of Frank Short's Pit.

The magnetic survey was carried out only on the JAE claims, which included the three Sheba lines and the Mitchell line across the showing. Readings were taken every 30 m with a Scintrex MP-2 proton precession magnetometer.

CONCLUSIONS

Jae Grid

- (1) The IP, resistivity, and magnetic surveys responded very well to the Sheba showing indicating it to have a minimum strike length of 400 m, being open both to the north and to the south.
- (2) The same surveys indicate a parallel vein occurring 60 to 90 m to the west of the Sheba showing.
- (3) The IP survey also indicates a third zone of sulphide mineralization occurring on the west side of the Sheba lines (4+00S, 2+00S and 0+00) that becomes stronger along strike to the north. A fourth but smaller system occurs on the east side of the Sheba lines.
- (4) The Mitchell showing is also reflected by the IP, resistivity and magnetic surveys. Since only two lines were done across and to the north of the showing, it's minimum strike length is 150 m being open to the north and to the south.
- (5) The IP survey, on the two km long line 5+00N, revealed at least ten lineal-shaped anomalies that could be caused by Mitchell-and Sheba-type mineralization. Like the Mitchell and Sheba veins, all the anomalies, except for perhaps two, dip easterly.
- (6) Epithermal alteration associated with epithermal gold/silver veins may occur on the property as is suggested by a broad resistivity low on line 5+00N.

Frank Short's Pit

- (1) The pit area is underlain by a two closely-spaced resistivity lows that are caused by two zones of epithermal alteration dipping northeasterly.
- (2) The alteration zones are likely associated with epithermal gold/silver mineralization. This is supported by the fact that the placer operation mined three to five m of bedrock.
- (3) IP anomalies to the northeast are probably reflecting graphitic quartzite and graphitic schist of the Nasina series.

RECOMMENDATIONS

JAE Grid

There is no doubt that drill targets do occur on the Mitchell-Sheba property especially the IP-indicated extensions to the Mitchell and Sheba veins. At this point, however, the writer would prefer that additional ground work be done, especially fill-in, IP, resistivity, and magnetic surveying as well as geological mapping. This would optimize the drill targets.

If drilling were to take place at this point, targets would include:

- (1) the Sheba vein
- (2) the IP anomaly immediately east of the Sheba vein
- (3) the Mitchell vein on strike
- (4) the IP target on the west side of line 0+00
- (5) the IP target to the west of the Mitchell showing

Ideally the location of the drill hole collars and the dip of the drill holes should be determined in consultation with a geologist knowledgeable on the property.

The resistivity low on line 5+00N that is suggestive of an epithermal system should be checked out by further ground work. This may include geological mapping, soil sampling, and possibly trenching if the permafrost permits it.

Frank Short's Pit Grid

The footwall of the two resistivity lows within the pit area could be drilled at this point, especially because of the probable occurrence of gold mineralization (Epithermal veins should occur near the footwall of the epithermal system. The alteration occurs largely in the hanging wall). However, as with the JAE grid, it would be preferable to carry out additional resistivity mapping in order to optimize the drill targets.

GEOPHYSICAL REPORT

ON

INDUCED POLARIZATION, RESISTIVITY AND

MAGNETIC SURVEYS

OVER PORTIONS OF THE

JAE AND DAWSON CLAIMS

HUNKER CREEK, DAWSON CITY AREA

DAWSON M.D., YUKON TERRITORY

INTRODUCTION AND GENERAL REMARKS

This report discusses the instrumentation, theory, field procedure and results of induced polarization (IP), resistivity, and magnetic surveys carried out over portions of the JAE claims and the Dawson claims. The center of the JAE property is located 31.5 km S 50°E of Dawson City and occurs on the upper reaches of Hunker Creek, within the west central part of the Yukon. The center of the Dawson Claims occurs 18.0 km S 25°E of Dawson City to the southwest of Hunker Creek.

The field work was completed from September 5 to November 4, 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 Mitchell and Sheba showings on the JAE claims consist of various sulphides with associated gold and silver values. Therefore the purpose of the IP (chargeability) survey was to determine the extent of these zones as well as to determine the possibility of whether these zones were connected. A second purpose was to locate additional zones. It was unknown what the correlating resistivity response would be. It could be moderately high due to the quartz veining, or possibly moderately low due to associated structure. The IP and resistivity response is expected to contrast with that over graphitic zones which are reflected by very 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 some dykes in the area seemed to be reflected as resistivity lows); alteration zones as resistivity lows; and siliceous zones as resistivity highs.

The purpose of the magnetic survey was to locate intrusive dykes, especially the diabase dykes which respond as reverse polarity magnetic lows.

On the Dawson claims, the two lines done over Frank Short's Pit were carried out to determine the geophysical response, mainly resistivity, over the pit area. The pit had just been dug down to bedrock for placer mining the previous year. It therefore was examined during the 1990 season by Art Troup and other geologists since it could be seen the bedrock was heavily altered over a wide area. The type of alteration appeared to be epithermal. This conclusion was especially interesting since it could be seen the placer miners had mined three to five meters of bedrock and since much of the gold they obtained was fairly fine (typical of epithermal gold). The writer has had considerable experience in carrying out resistivity surveys over epithermal gold deposits. The normal response is a resistivity low which reflects the associated alteration. The epithermal vein should occur close to the footwall of this alteration.

The Geotronics crew was located onto the properties 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 Ralph A. Gonzalez's report of August, 1990 on the JAE claims. The writer has condensed the property description (physiography, geology, etc.) and thus a more thorough description is given in his report. For the Frank Short Pit grid, the geological description was provided verbally by Art Troup, geological engineer and exploration manager.

PROPERTY AND OWNERSHIP

The JAE property consists of 27 located contiguous mineral claims and the Dawson property, 42 contiguous claims. They are shown on maps #J-2 and #FS-2, respectively, and as described below in Table I:

TABLE I - PROPERTY CLAIMS

<u>CLAIM NAME</u>	<u>GRANT NO.</u>	<u>ANNIVERSARY DATE</u>
(1) JAE		
JAE 1 - 14	YA 89006 - YA 89019	April 1
JAE 15 - 19	YA 89318 - YA 89322	August 3
JAE 20 - 27	YA 89719 - YA 89726	June 8

All claims are held by Mr. John Erickson and Mr. Herman Liedtke (A.E. Resources Inc.) of Dawson City and have been optioned to Arbor Resources. 50% of this option is optioned to Klondike Reef Mines.

(2) Dawson

DAWSON 141 - 180	YA 79423 - 462	October 21
MIKE 2, 4	YB 17462 - 463	July 29

These claims have been optioned to Klondike Reef Mines and Appian Resources from William T. Dawson on behalf of the Dawson Syndicate (1983).

LOCATION AND ACCESS

The center of the JAE property is located 31.5 km (19.6 miles) S50°E (130°E) of the town of Dawson City which is the principal supply center of the northwestern Yukon. The property is located on King Solomon Dome to the immediate north of its peak (see map #J-2). The upper reaches of the Hunker and Dominion creeks as well as perhaps Gold Bottom Creek drain the property.

The geographical coordinates are 63°52'N latitude and 138°57'W longitude.

The center of the Dawson (Last Chance Creek) property is located 18.0 km S25°E of Dawson City to the immediate southwest of Hunker Creek and largely to the southeast of Last Chance Creek (see map #FS-2).

The geographical coordinates are 63°59'N latitude and 139°04'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).

For the JAE claims, a local, all-weather road extends from Dawson City along Highway #2 and then up Hunker Creek for a total driving distance of 38 kilometres (24 miles). This road dissects the property into north and south halves and skirts the southwestern edge of the claims. Local trails, suitable for four wheel drive vehicles, provide additional access to the property and surrounding areas.

For the Dawson claims, one travels about 5 km along the Hunker Creek road from Highway #2 (this intersection is about 16 km from Dawson City). At this point a southwesterly-running road gives access to the Frank Short placer operations which occur along the northeastern part of the property.

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.

Topographically, the JAE Claims are located at the upper portion of the Klondike region and are immediately east of King Solomon Dome. Elevations on the property range between 800 m (2600 feet) at the head waters of Hunker and Dominion Creeks and 1328 m (4048 feet) on King Solomon Dome.

As for the Dawson and Mike claims, this property occurs to the immediate south of Preido Hill and to the south of the confluence of the northeasterly-flowing Last Chance Creek with the northwesterly-flowing Hunker Creek. Last Chance Creek and its tributaries drain the property along its northwestern edge. The elevations of the property vary from 425 m (1400 feet) at its northwestern and northeastern corners to over 700 m (2300 feet) within the southeastern part of the property to give a range of 275 m (900 feet).

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

Prospectors in the early 1900's, searching the headwaters of Hunker Creek for the lode source of the rich placer deposits of the lower valley were the first to discover the auriferous quartz veins in the area of the JAE Claims. A report by D.D. Cairnes (1912) documented quartz veins being trenched at 100 foot intervals along 2,000 feet of strike length and noted a shaft sunk on one of the veins that went to a depth of 84 feet. These workings are on the Mitchell Vein where Cairnes collected a sample from the dump which reportedly graded 0.25 oz/T Au.

In 1969, a 3.7 tonne bulk sample was mined from the Mitchell Vein which graded 1.4 g/t Au, 4680 g/t Ag, 0.4% Cu, 26.3% Pb, and 0.7% Zn.

In 1987, JAE Resources staked the property covering the two principal known showings, the Mitchell and Sheba Veins. After staking, the original trenches were deepened and sampled.

In 1988, three reverse circulation drill holes tested the vein to a vertical depth of 16 metres (50 feet). The holes were collared to test the downward occurrence of high grade surface exposures of the vein. Results of the drilling indicated minor amounts of gold, up to 25 ounces of silver, and over 3 per cent lead. Metal content and metal ratios suggest the vein is a mesothermal system which could yield high grade silver and base metals.

In 1988, a three ton bulk sample of vein material was processed at the Cominco smelter in Trail. The net value per short dry ton was equal to \$1,366.42 and contained 34% Pb, 2% Cu, 196.25 oz/ton Ag, and 0.03 oz/ton Au. Lead, copper, and silver were the only paying commodities.

As for the Dawson and Mike Claims, no previous ground work is known to be done. However, the placer operations currently underway at the northeastern end of the property have revealed widespread heavy clay alteration suggestive of epithermal gold mineralization. As mentioned in the "Introduction", it is quite apparent that the placer operations had mined three to five metres of bedrock. Therefore exploration interest has greatly increased on this property.

GEOLOGY

(1) Regional

The following description of the geology is based on mapping carried out by McConnell (1906 and 1908); Bostock (1942); Metcalfe (1981); Debicki (1985); Troup, Grunenburg, and Gonzalez (Assessment Reports 1984 to 1988).

Bedrock is exposed in some of the old placer workings, in road cuts, along the gulches and on some ridge tops, but the total exposed bedrock is much less than one per cent. The area has not been glaciated but solifluction has masked the bedrock and severely limited airphoto interpretation of the geology.

The oldest rocks in the area belong to the Nasina Series which includes graphitic schists, graphitic quartzites, and siliceous marble with minor chlorite and muscovite schist. These rocks have been metamorphosed to upper greenschist to middle amphibolite facies. The Nasina does not crop out on or near the JAE property but is found near the mouth of Hunker Creek and along the northeastern edge of the Dawson/Mike property.

The Klondike Series occurs throughout the Klondike area. It is composed of quartzite, quartz-chlorite, quartz-sericite schist, and graphitic schist. Because of its schistose nature, the Klondike Series is often referred to as the Klondike Schists. These rocks are believed to be the metamorphic equivalents of a series of arenaceous and tuffaceous clastic sediments. Like the Nasina Series, metamorphism ranges from upper greenschist to amphibolite facies. The Klondike Series is thought to be of Late Paleozoic age.

To the west, the Klondike Schists are in contact with a blocky-weathering feldspar-quartz-biotite rock which appears to be less highly metamorphosed than the Klondike Schist. Thin section studies show this rock to have been a medium-to coarse-grained granodiorite to quartz diorite.

The Moosehide mafic to ultramafic assemblage structurally overlies the Klondike Series. These rocks are strongly metamorphosed but unfoliated and are thought to have been emplaced tectonically. They are not known to occur on the JAE Claims.

The Mitchell Vein, the most northerly structure of the two, was explored in the early days by a 25 metre (84 feet) shaft and 15 metre (50 feet) long drift. The surface exposure of the vein has also been trenched along at least 600 metres (2,000 feet) of strike length. Pyrite is the predominant sulphide mineral, occurring as euhedral crystals in blebs within the quartz and disseminated in the wall rock adjacent to the vein. In places along its strike length, the quartz is barren of all sulphides. Where pyrite crystals occur in the quartz vein, they are fractured and have inclusions of galena, pyrrhotite, chalcopryite, arsenopyrite and gold. Gold not only forms inclusion in pyrite but also occurs within limonite filled fractures. Pyrite from the adjacent wall rock contains inclusions of galena, pyrrhotite, chalcopryite, arsenopyrite, and probably gold.

The Sheba Vein is located 850 metres south of the Mitchell Vein. This Vein, which is generally wider than the Mitchell Vein, consists mainly of white, brittle quartz and massive galena. Euhedral pyrite crystals up to one centimetre across occur within the vein and its adjacent wall rock. Fractures in quartz are filled with galena indicating a silica rich mineralization phase before precipitation of the sulphides.

Galena shows fissures and cavities which are filled by cerussite and finely disseminated covellite (Debicki, 1984 and 1985; and McGowan, 1989). Freibergite (argentiferous tetrahedrite) and euhedral pyrite often occur as inclusions within galena. Minor amounts of euhedral arsenopyrite, anhedral chalcopryite, sphalerite, and pyrargyrite (dark ruby silver) also forms inclusions in galena. Fractures within the euhedral pyrite are healed by galena, freibergite, sphalerite, quartz and cerussite. Pyrite contains inclusions of chalcopryite, pyrrhotite and gold. Gold inclusions only occur within pyrite.

(3) Dawson/Mike Property

Few outcrops occur on this property, but it appears to be almost totally underlain by muscovite-quartz-feldspar quartz schist (some with quartz phenocrysts) of the Klondike Series. Along the northeastern edge of the property is a northwesterly-striking band of carbonaceous schist and/or quartzite of the Nasina series. The contact between these two rock types is a northwesterly-trending thrust fault.

Where the placer mining took place (Frank Short's pit) widespread argillic clay alteration was encountered in the bedrock, probably Klondike Series schist. Through the center of the pit occurs a 10-meter wide highly altered diabase (?) dyke striking in a northwesterly direction. The dyke is a few hundred meters southwest of the Nasina Series carbonaceous rocks where occur outcroppings of serpentinite.

CLAIMS WORKED

The following table gives the names of the claims on which geophysics was carried out on.

TABLE II - CLAIMS WORKED

<u>CLAIM NAME</u>	<u>GRANT NO.</u>	<u>ANNIVERSARY DATE</u>
(1) JAE Grid		
JAE 1 - 6	YA 89006 - '011	April 1
JAE 17 - 19	YA 89320 - '322	August 3
(2) Frank Short's Pit Grid		
DAWSON 141, 142	YA 79423, '24	October 21
DAWSON 149, 150	YA 79431, '32	October 21

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 Huntect ('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 Huntect ('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.

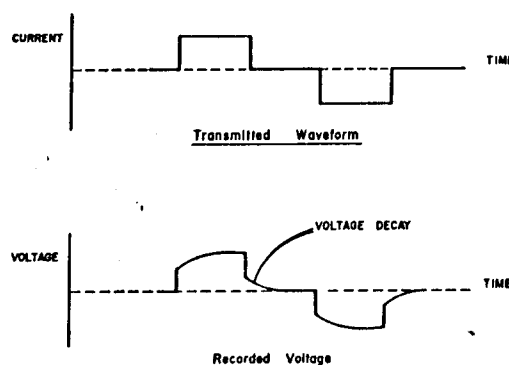
(2) Theory

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, ρ_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:

$$\frac{R_o}{R_w} = O^{-2}$$

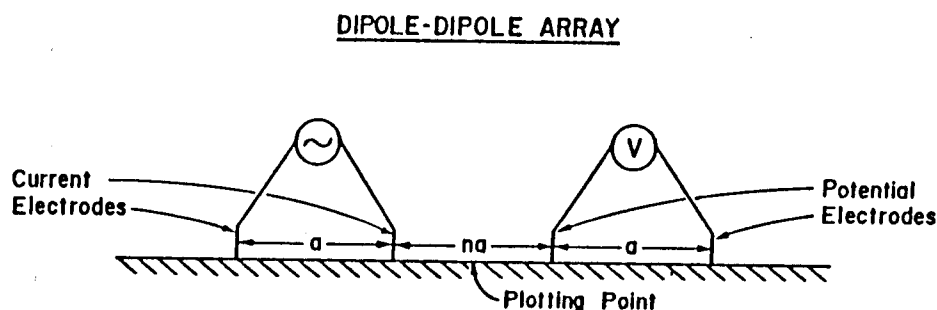
Where: R_o is formation resistivity, R_w is pore water resistivity, O is porosity

(3) Survey Procedure

All lines were cut out and the stations marked thereon by a separate contractor hired by Arbor Resources.

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 milliseconds divided into 10 windows.

The array chosen was the dipole-dipole shown as follows:



The dipole length and reading interval was chosen to be 30 metres for all survey lines. The lines were read to seven separations other than lines 0+00 and 2+00S of the JAE grid which were read to eight. Seven separations give a theoretical depth penetration of 125 m, and 8 separations, 140 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.

For the JAE grid, readings were taken along 5 east-west lines as shown on the survey plan (map #J-3) to give a total survey length of 5.79 km. On Frank Short's Pit grid, two northeast-southwest lines were done as shown on the survey plan, map #FS-3.

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

<u>LINE NO.</u>	<u>STATIONS</u>	<u># OF SEPARATIONS</u>	<u>LENGTH</u>
(1) JAE Grid			
Line 4+00S	480E to 510W	7	0.99
Line 2+00S	540E to 390W	8	0.93
Line 0+00	480E to 480W	8	0.96
Line 5+00N	1470E to 480W	7	1.95
Line 6+50N	470E to 280W	7	<u>0.75</u>
			5.58 km
(2) Frank Short's Pit Grid			
Line 0+00	420E to 480W	7	0.90
Line 1+15S	210E to 270W	7	<u>0.48</u>
			1.38

(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. 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 the JAE grid, six survey plans were drawn at a scale of 1: 5,000. These consisted of apparent chargeability at three different separations ($n=2, 4$, and 6) and apparent resistivity at the same separations. For the Frank Short's Pit grid, only two survey plans were drawn which consisted of the $n=2$ level (or separation) for the apparent chargeability and for the apparent resistivity, respectively. 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 ± 1 gamma, over a range of 20,000 - 100,000 gammas. The operating temperature range is -35° to $+50^{\circ}$ 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 only along four lines and on the JAE grid 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 3.84 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. In addition a 1:5,000 plan map was produced.

TABLE IV
MAGNETIC SURVEY

<u>LINE NO.</u>	<u>STATIONS</u>	<u>LENGTH (km)</u>
4+00S	480E to 510W	0.99
2+00S	510E to 510W	1.02
0+00	480E to 450W	0.93
5+00N	480E to 420W	<u>0.90</u>
		3.84

DISCUSSION OF RESULTS

(1) JAE Grid

The Sheba vein occurs on line 4+00S at about 90E. Upon looking on the pseudosection for this line it can be seen the showing has a definite geophysical signature consisting of an IP chargeable high (11.9 msec), a resistivity low, and a magnetic low. The IP high is caused by the sulphides. However, the cause of the resistivity low is less clear. It may be due to a fault/shear zone (most likely), associated fracturing, and/or alteration. The cause of the magnetic low may be a diabase dyke which are known to have reverse polarity in the area. However, no dyking of any kind have been noted on the property (though this is not conclusive because of the extensive overburden). The cause of the magnetic low is likely the same as that of the resistivity low, that is, faulting, shearing, fracturing, and/or alteration.

Just east of 0+00 on line 4+00S occurs a second IP anomaly. This one, somewhat stronger, indicates a second or parallel vein system to the Sheba. A second magnetic low as well as a minor resistivity low also occurs, though to the immediate west of the IP anomaly.

Of strong exploration interest is the fact that all three geophysical methods indicate the Sheba vein, as well as the IP anomaly west of the Sheba vein, extends to the north occurring on line 2+00S and 0+00. This indicates a minimum strike length of 400 m (1312 feet) being open both to the south and to the north. The strike direction appears to be N20° to N30°W (330°E to 340°E), as indicated by the n=2 survey plans for both the IP chargeable and resistivity data. The magnetic data also indicates the same strike direction, though it is not as apparent on the survey plan.

On line 2+00S, the Sheba vein, as indicated by the IP anomaly at 120E appears not to surface, but occur a few tens of meters below the surface. Otherwise, the cause of the lack of anomalous IP results at the surface may be due to (1) sulphides having been oxidized, or (2) a low level of groundwater to act as an electrolyte.

At about 90E to 180E on all three lines occurs an IP anomaly at depth that is weakest on line 4+00S, becomes stronger on line 2+00S, and is strongest on line 0+00. On line 0+00, the anomaly appears to be caused by two different sources, one sub-outcropping at 60W and the second at 120W. The apparent dip is westerly.

The resistivity and magnetic data correlates as follows: (1) a resistivity low and magnetic low with the eastern IP anomaly at 120W, and (2) a resistivity high and a magnetic high with the western IP anomaly at 60W. The suggested interpretation is a Sheba-type mineralized vein occurring to the west of an intrusive dyke that is also mineralized. Obviously, this geophysical feature is an exploration target.

To the east of the Sheba vein on all three lines at 180E to 300E occurs two smaller anomalies at depth. There is a resistivity low correlation but no magnetic correlation. There is also a silver-gold-lead soil geochemistry anomalous expression that is relatively small in amplitude. This would be expected if the causative source is at depth.

On the eastern part of the survey area occurs a narrow magnetic high of small amplitude (20 to 30 gammas). It correlates with a resistivity high. The causative source is very likely a dyke. This feature can also be seen on line 5+00N.

The Mitchell vein occurs at about 50W on line 5+00N. The geophysical expression for this showing is an IP high correlating with a resistivity high and with a magnetic high. The IP high is caused by the sulphides and the resistivity high may be due to the quartz veining and associated carbonate alteration. However, the magnetic high is probably caused by an associated intrusive dyke which may also be the cause of the resistivity high. But, as noted above, no intrusive dykes were noted near the showings or on the property.

The Mitchell showing, as indicated by the IP and resistivity results appears to extend 150m north to line 6+50N at about 40W (no magnetic readings were taken on this line). This gives a minimum strike length of 150 m being open both to the north and to the south.

It is still inconclusive whether the Mitchell and Sheba veins are one and the same. They strike toward each other but have a slightly different mineralogical make-up as well as a different geophysical signature.

Line 5+00N, largely because of its 2 km length, has revealed at least 10 lineal-shaped anomalies. All apparently dip easterly except for the western two, which appear to dip westerly, but this is open to interpretation. Though line 6+50N is a much shorter line, some of the western anomalies appear to extend onto this line. Any or all of the anomalies could easily be caused by Mitchell- or Sheba-vein type mineralization. The anomalies sub-outcrop as follows:

- (1) 240W, correlates with resistivity high
- (2) 120W, correlates with resistivity high
- (3) 0 to 60E, unclear resistivity correlation, correlates with strong magnetic low
- (4) 130E, correlates with resistivity high, minor magnetic low that is adjacent to a magnetic high (probably intrusive dyke)
- (5) 240E, correlates with minor resistivity low and minor magnetic low that is adjacent to a magnetic high (probably intrusive dyke)
- (6) 540E, occurs on edge of major resistivity low which is discussed below.
- (7) 930E, correlates with resistivity high
- (8) 1065E, unclear resistivity correlation
- (9) 1160E, appears to correlate with localized resistivity low
- (10) 1260E to
 1290E, correlates with edge of resistivity high

Occurring between the first two IP anomalies at 240W and 120W, respectively, is a very strong (that is, for this area) magnetic high that is about 250 gammas above background. The causative source is probably a highly altered serpentinite. This rock-type is not known to occur on the property but Ruth Debicki has mapped an occurrence 1900 m north-northeasterly of the Mitchell showing.

Of very strong exploration interest is a resistivity low occurring from about 510E to 790E (on the surface) on the west bank of the Hunker Creek tributary. There is a strong possibility that this low is caused by epithermal alteration associated with an epithermal gold/silver vein (or, more likely, veins) especially considering the strong evidence of epithermal gold/silver mineralization to the northwest, such as in Frank Short's Pit. The dip of the possible alteration (and therefore veins) is difficult to say at this point since additional resistivity mapping needs to be done, but it appears to be westerly.

The correlating IP highs may be due to pyritization as an alteration product of the epithermal system.

Also of interest are soil geochemistry anomalous results that occur to the south of the resistivity low on lines 0+00 and 4+00S.

(2) Frank Short's Pit Grid

A very strong resistivity low occurs across the pit on line 0+00 that is very likely caused by epithermal alteration associated with a gold/silver epithermal vein. The reasons are:

- (1) The geological evidence in the pit area is strongly suggestive of epithermal alteration.
- (2) It is similar in style and shape to other resistivity lows encountered by the writer across epithermal alteration halos throughout western North America.
- (3) It is evident that the placer miners mined into the bedrock. It seems obvious therefore the bedrock contained gold mineralization.
- (4) It was reported verbally to the writer by Art Troup that much of the gold was fine-grained which is typical of epithermal systems.

There appears to be two epithermal systems, each dipping northeasterly. The footwall of one sub-outcrops at about 0+00 or just west of 0+00, and the footwall of the other sub-outcrops at 120W to 150W. The resistivity high between the two lows is caused by the highly altered diabase (?) dyke within the pit area.

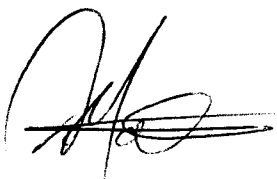
The two resistivity lows can also be seen on line 1+15S suggesting therefore a minimum strike length of 115m. But on this line the system appears to have much less depth therefore suggesting the system plunges to the northwest.

A resistivity low at 210W on both lines could be a third, but weaker epithermal system. Along strike it could well become much stronger.

An IP high occurs at 120E on both lines, and a second one at 240E on line 0+00. The southwestern IP anomaly correlates with a resistivity high, and the northeastern one with a resistivity low. It is likely the causative source of the IP anomalies is graphitic (carbonaceous) rocks of the Nasina Series. Possibly the southwestern anomaly is caused by graphitic quartzite, and the northeastern one by graphitic schist.

Respectfully submitted,
GEOTRONICS SURVEYS LTD.

April 27, 1991

A handwritten signature in black ink, appearing to read 'D. Mark', with a horizontal line drawn through the middle of the signature.

David G. Mark,
Geophysicist

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GEOPHYSICIST'S CERTIFICATE

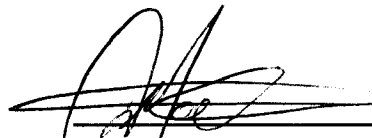
I, David G. Mark, of the City of Vancouver, in the Province of British Columbia, do hereby certify:

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 and magnetic surveys carried out over portions of the JAE claims and the Dawson claims by a crew of Geotronics Surveys Ltd., under the supervision of myself and under the field supervision of Alain Charest, geophysical technician, from September 5 to November 4, 1990.
4. I hold no interest in Klondike Reef Mines Ltd., Arbor Resources Inc., Applan Resources Ltd. nor in the properties discussed in this report, nor will I receive any interest as a result of writing this report.

April 27, 1991



David G. Mark,
Geophysicist

AFFIDAVIT OF EXPENSES - JAE

IP, resistivity and magnetic surveys were carried out over a portion of the JAE claims from September 5 to October 12, 1990, located on King Solomon's Dome 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	<u>2,916</u>
Sub-Total	<u>14,182</u>
JAE Grid's Pro Rata share at 13%	\$ 1,844

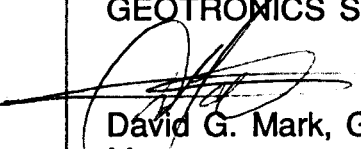
4-man crew, 10 days at \$1,100/day	\$ 11,000
3-man crew, 0.5 days at \$950/day	475
Truck rental and gas, Suburban 4X4, 10.5 days at \$100/day	1,050
Room and board, 44 man-days at \$65/man-day	2,860
Linecutting, all-in cost, 5.8 km at \$400/km	<u>2,320</u>
Sub-Total	<u>\$17,655</u>

OFFICE

Senior geophysicist, 30 hours @ \$45/hour	\$ 1,350
Geological consultation (Art Troup & Scott Tomlinson)	1,000
Geophysical technician with computer, 74 hours @ \$30/hour	2,220
Computer-aided drafting & plotting 13 hours at \$30/hour	390
Report generation and printing (share)	<u>400</u>
Sub-Total	<u>\$ 5,360</u>

Grand Total **\$24,859**

Respectfully submitted,
GEOTRONICS SURVEYS LTD.


David G. Mark, Geophysicist
Manager

AFFIDAVIT OF EXPENSES - DAWSON MIKE CLAIMS

IP and resistivity surveys were carried out over a portion of the Dawson claims on November 2nd and 4th, 1990 located on Last Chance Creek 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	<u>2,916</u>
Sub-Total	<u>14,182</u>
Dawson claims' Pro Rata share at 2%	\$ 284

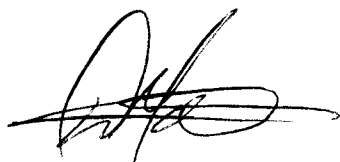
4-man crew, 1-6 days at \$1,100/day	\$ 1,760
Truck rental and gas, Suburban 4X4, 2 days at \$100/day	200
Room and board, 8 man-days at \$65/man-day	520
Linecutting, all-in cost, 1.6 km at \$400/km	<u>640</u>
Sub-Total	<u>\$ 3,120</u>

OFFICE

Senior geophysicist, 10 hours @ \$45/hour	\$ 450
Geological consultation (Art Troup & Scott Tomlinson)	500
Geophysical technician with computer, 18 hours @ \$30/hour	540
Computer-aided drafting & plotting 8 hours at \$30/hour	240
Report generation and printing (share)	<u>100</u>
Sub-Total	<u>\$ 1,830</u>

Grand Total \$ 5,234

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.

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.

All room and board, and supplies were purchased locally.

KLONDIKE REEF MINES LTD.

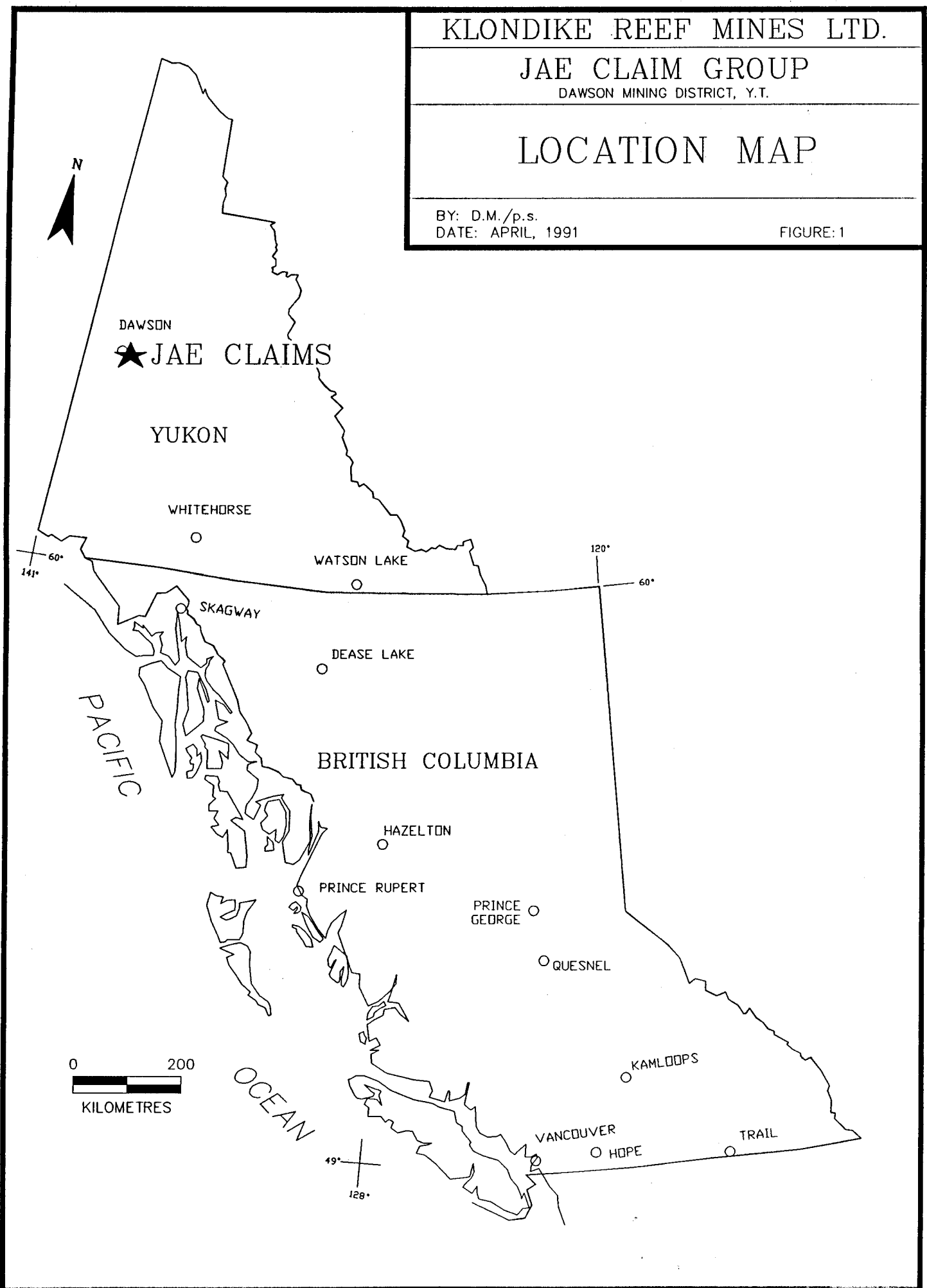
JAE CLAIM GROUP

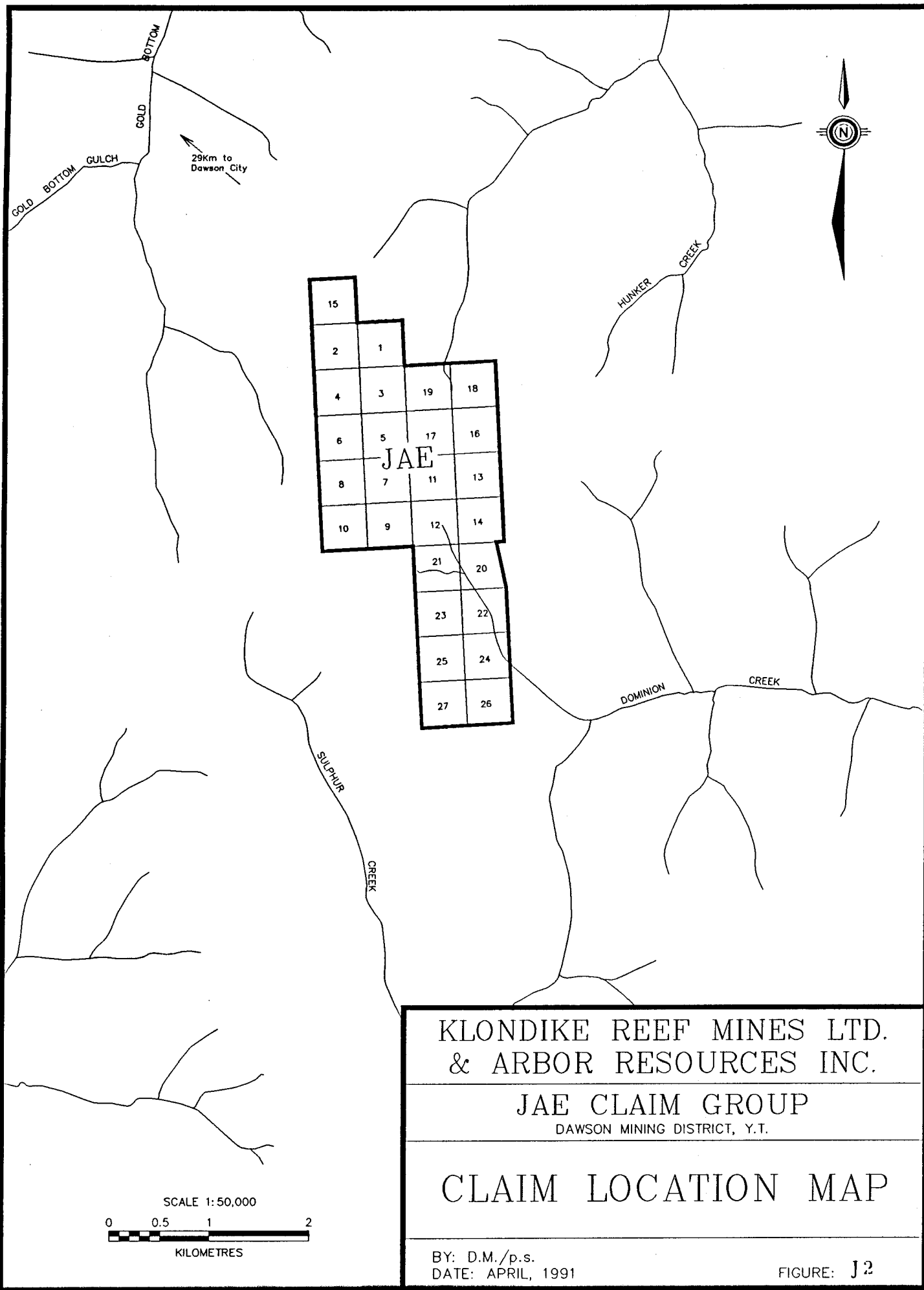
DAWSON MINING DISTRICT, Y.T.

LOCATION MAP

BY: D.M./p.s.
DATE: APRIL, 1991

FIGURE: 1





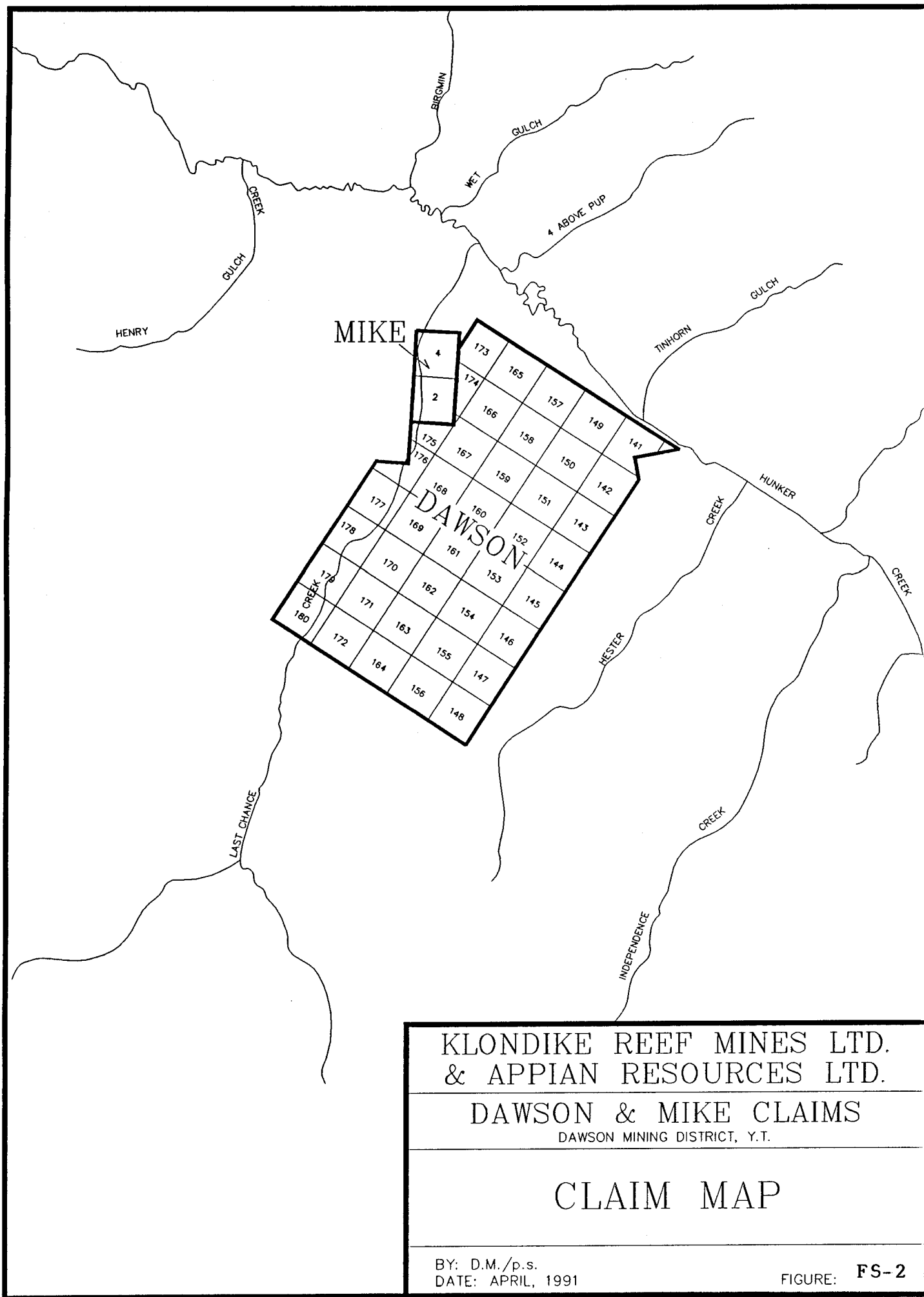
KLONDIKE REEF MINES LTD.
& ARBOR RESOURCES INC.

JAE CLAIM GROUP
DAWSON MINING DISTRICT, Y.T.

CLAIM LOCATION MAP

BY: D.M./p.s.
DATE: APRIL, 1991

FIGURE: J2



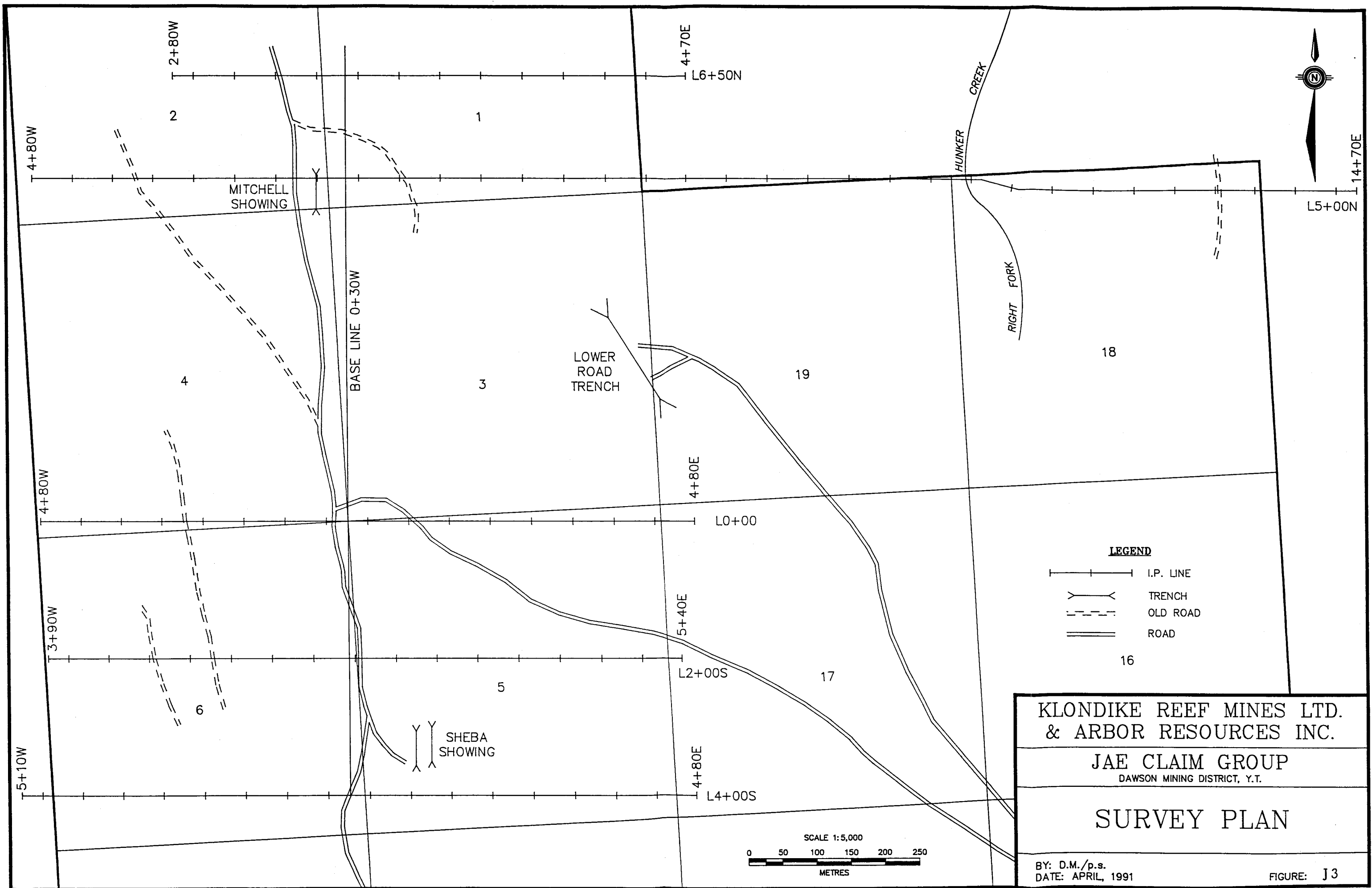
KLONDIKE REEF MINES LTD.
& APPIAN RESOURCES LTD.

DAWSON & MIKE CLAIMS
DAWSON MINING DISTRICT, Y.T.

CLAIM MAP

BY: D.M./p.s.
DATE: APRIL, 1991

FIGURE: FS-2



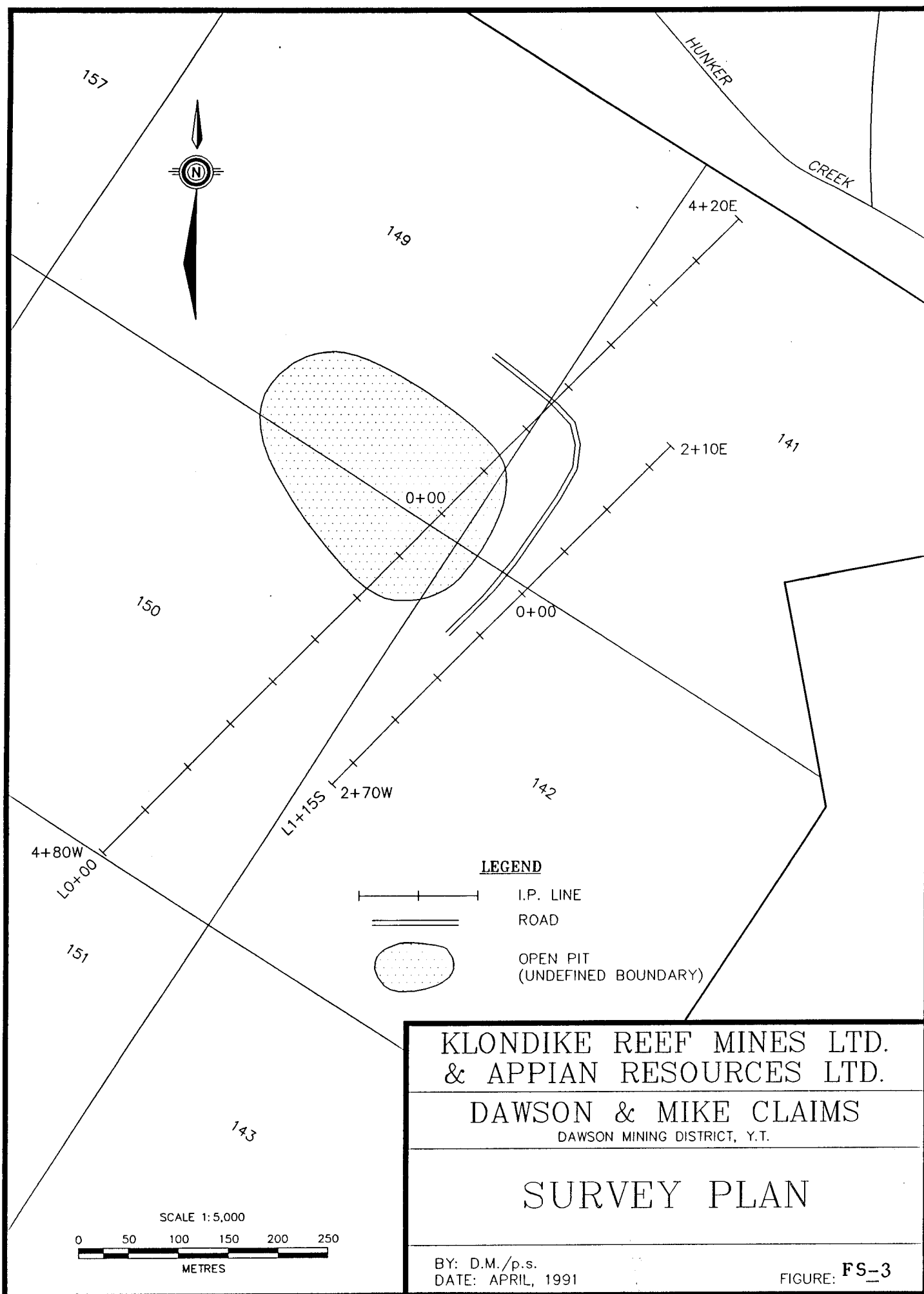
KLONDIKE REEF MINES LTD.
& ARBOR RESOURCES INC.

JAE CLAIM GROUP
DAWSON MINING DISTRICT, Y.T.

SURVEY PLAN

BY: D.M./p.s.
DATE: APRIL, 1991

FIGURE: J3



KLONDIKE REEF MINES LTD.
& APIAN RESOURCES LTD.

DAWSON & MIKE CLAIMS
DAWSON MINING DISTRICT, Y.T.

SURVEY PLAN

BY: D.M./p.s.
DATE: APRIL, 1991

FIGURE: FS-3

