MAP No.

115 0 15

ASSESSMENT REPORT [X]
PROSPECTUS [ ]
CONFIDENTIAL [X]
OPEN FILE [ ]

DOCUMENT NO.: 091706
MINING DISTRICT: DAWSON
TYPE OF WORK: SOIL GEOCHEM, PROSPECTING

REPORT FILED UNDER: Archer, Cathro and Associates (1981) Ltd.

DATE PERFORMED: May 28, 1986 DATE FILED: May 13, 1987

LOCATION		AREA:
LAT.	63°55'N	KLONDIKE
LONG.	138°55'W	

CLAIM NAME & NO.

LAW 1-12 YA87985-YA87996

VALUE $ 2,400.00

WORK DONE BY: R.C. Carne

WORK DONE FOR: Archer, Cathro and Associates (1981) Ltd.

DATE TO GOOD STANDING

REMARKS:

#35 FAWCETT

ARCHER, CATHRO
& ASSOCIATES (1981) LIMITED
CONSULTING GEOLOGICAL ENGINEERS

1016 - 510 WEST HASTINGS STREET
VANCOUVER, B. C. V6B 1L8
(604) 688-2568

REPORT ON

SOIL GEOCHEMISTRY AND PROSPECTING

LAW 1-12 (YA87985-YA87996) CLAIMS

DAWSON MINING DISTRICT

NTS 1150/15

R.C. Carne, M.Sc.

February, 1987

Work Performed on May 28, 1986

BOX 4127, 3125 THIRD AVENUE, WHITEHORSE, Y. T. Y1A 3S9
(403) 667-4415

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 $ 2400.00 .

D.A. Emond

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

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SUMMARY AND RECOMMENDATIONS

The Law property is situated 50 km southeast of Dawson City, Yukon within the Klondike Goldfields. It covers a sequence of Paleozoic metasedimentary rocks that are cut by a thrust fault with chlorite schists in the hanging wall and quartz-muscovite schists and quartzites in the footwall. The thrust fault consists of an imbricate zone up to 100 m thick which contains discontinuous bodies of variably altered ultramafic rocks.

Several gold-bearing quartz veins occur on the property. They were trenched prior to 1912 but there is now little evidence of this work. The best assay reported from this early work was 4.1 g/t Au (0.12 opt) over 1.2 m from the Alphonse occurrence. None of the occurrences have been explored in detail in recent times by modern techniques such as soil geochemistry, bulldozer trenching or diamond drilling.

A placer mining operation on 24 Pup within the Law property is recovering extremely delicate wire-like gold. Such nuggets normally break down rapidly during mechanical transport and are usually found near their bedrock source. A number of wide spaced soil samples taken uphill from the placer operations are anomalous in gold ranging up to 107 ppb Au (above a regional background of 2 ppb Au). This anomalous area requires detailed soil sample surveys followed by bulldozer and/or excavator trenching and a budget of $20,000 is recommended.

Respectfully submitted

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

/mc

R.C. Carne.

INTRODUCTION

The Law claims were staked by Archer, Cathro & Associates (1981) Limited in May, 1986 on behalf of All-North Resources Ltd. They cover part of the expired Klaw claims which had been staked by Archer, Cathro in 1983 on behalf of Dawson Eldorado Gold Explorations Ltd. An earlier assessment report (Mortensen, 1984) describes the results of regional geochemical and geological surveys and much of the geological description in this report is based on Mortensen's work.

Showings on the Law property include those described by MacLean (1914) as the Brandon, Hillsborough and Alphonse occurrences, which are collectively referred to in Appendix IV as the Fawcett occurrence (Northern Cordillera Mineral Inventory #115 O/69).

In 1983, the Klaw property was mapped and geochemically sampled in a reconnaissance fashion and old workings in the area of the Hillsborough and Alphonse showings were sampled but no gold mineralization was found. Additional prospecting and closer spaced geochemical sampling of the Law property was carried out during 1986 by the writer assisted by Kelinda Sax and Diane Lister.

A placer operation on the Law property is recovering extremely delicate, wire-like gold which is probably close to its bedrock source.

PROPERTY, LOCATION AND ACCESS

The Law claims form a contiguous block and are registered in the Dawson Mining District as follows:

Claim Name	Grant Numbers	Expiry Date
Law 1-12	YA87985-YA87996	May 28, 1989*

*including the 1986 assessment work

The Law property is situated on claim sheet 115 O/15 (d) at latitude 63°55'N and longitude 138°55'W. The claims cover the left limit of the right fork of Hunker Creek. Road access is either up the right fork of Hunker Creek and its tributary, 24 Pup, or through the Mitchell property on the north side of King Solomon Dome (see Figure 1 on following page).

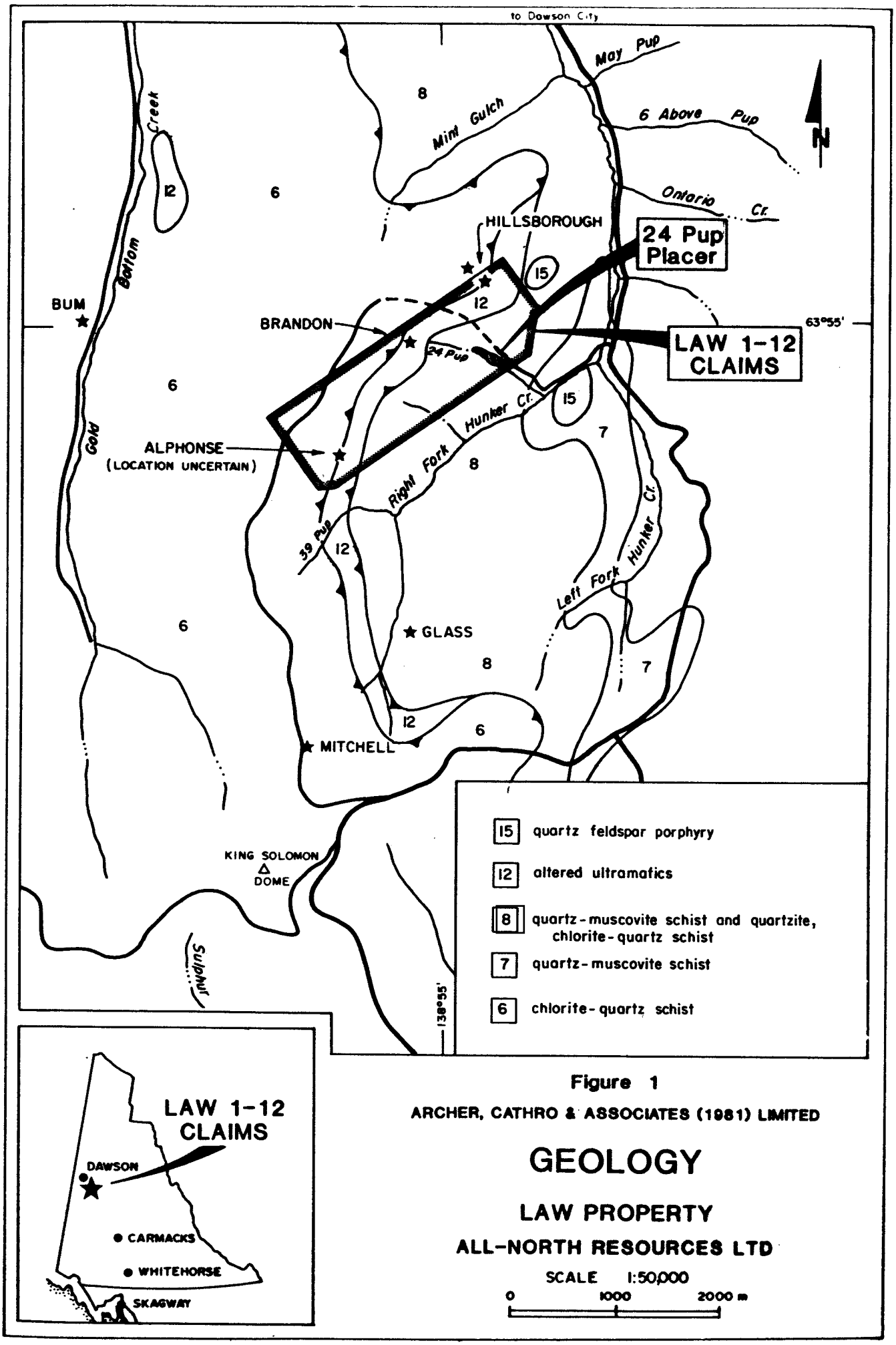


Figure 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GEOLOGY

LAW PROPERTY

ALL-NORTH RESOURCES LTD

PREVIOUS WORK

The angular nature of the rich placer paystreak on the right fork of Hunker Creek led to prospecting of the nearby ridges and the early discovery of the Mitchell-Orekon vein system at the head of the right fork. A relatively rich paystreak of fine wire-like gold is also present on a tributary, 24 Pup, indicating a lode source separate from the Mitchell-Orekon veins.

T. Fawcett located two occurrences at the headwaters of 24 Pup in 1908, which he staked as the Brandon and Hillsborough claims. Another occurrence was found on the adjacent Alphonse claim. Fawcett trenched these occurrences prior to 1912. Additional details are found in the NCMI references included as Appendix III. There is little record or evidence of the early work other than some bulldozer trenches in the area of the Hillsborough showing. Dawson Eldorado staked the area in 1983 and performed limited geochemical sampling and mapping as part of a much larger regional exploration program.

GEOLOGY

Regional

The Klondike Goldfields lie within the unglaciated portion of the Northern Cordillera where surface weathering locally extends to depths of 80 m or more. A regional approach is required to understand property geology since outcrop is scarce, limited to exposures in road cuts, placer workings and ridge crests. Rock chips in overburden can also be useful to indicate bedrock geology.

The area is primarily underlain by metasedimentary rocks that are cut by several regional-scale thrust faults. Discontinuous lenses of altered ultrabasic rocks occur along the thrust faults. An early pre-thrusting, metamorphic foliation (F1) parallels compositional layering and is pervasive in all rock units except ultrabasic rocks and younger intrusions and volcanic rocks. The thrust faults and rocks within the thrust panels are deformed by at least three later phases of deformation which produced (in succession) west- to northwest-trending folds (F2), northwest-trending folds (F3) and small scale warping (F4). Not all types of deformation are seen in all parts of the district.

Two generations of quartz veins are recognized regionally. The most abundant is an early generation of metamorphic "foliaform" quartz sweats that comprise narrow lenses and pods parallel to the F1 foliation. Minor amounts of ferroan carbonate, pyrite and white to pale pink feldspar occur locally in the foliaform quartz veins. A younger set of "discordant" quartz veins form tabular bodies that crosscut compositional layering in the schists as well as the F1 and F2 foliations. These veins, which reach 2.5 m in thickness, commonly contain pyrite as narrow selvages and other sulphides such as galena,

sphalerite, tetrahedrite, stibnite, chalcopyrite and arsenopyrite. Manganese staining is common. Free gold is sometimes present in the discordant veins but rarely, if at all, in the foliaform quartz veins.

Property Geology

The geology of the Law property is shown on Figure 1 and the units are designated the same numbers used by Mortensen (1984). A major west-dipping thrust fault zone cuts across the claim group and separates an overlying "hanging wall" sequence of Paleozoic chlorite schist, chlorite-quartz schist and minor metagabbro (Unit 6) from an underlying "footwall" sequence of Paleozoic rusty tan to orange weathering muscovite schist, quartz-muscovite schist, micaceous quartzite and chlorite-quartz schist (Unit 8). Thicknesses of individual units is not known. The units appear to dip gently to the west, generally parallel to the thrust fault.

The thrust zone, which is best exposed in a bulldozer trench up the left limit of 24 Pup, appears to be up to 100 m thick. It consists of an imbricate zone including discontinuous bodies of variably altered ultramafic rocks (serpentinite, carbonate-altered serpentinite, quartz-carbonate-chromium mica rock and talc-carbonate schist) as well as chlorite schist and metagabbro derived from the hanging wall and footwall sequences (all included in Unit 12). Subsidiary shears that roughly parallel the thrust fault occur up to 200 m structurally beneath the thrust zone. One such shear zone occurs about 200 m from the mouth of 24 Pup where a flat-lying, strongly hematitic, gouge zone at least 2 m thick cuts the relatively incompetent schist unit of the footwall sequence.

A small intrusive body of unfoliated Tertiary(?) quartz and quartz-feldspar porphyry (Unit 15) is located immediately below the mouth of 24 Pup. Similar float was also found in a hand trench on the left limit of 24 Pup, about 1 km north of the mouth and just below the thrust fault.

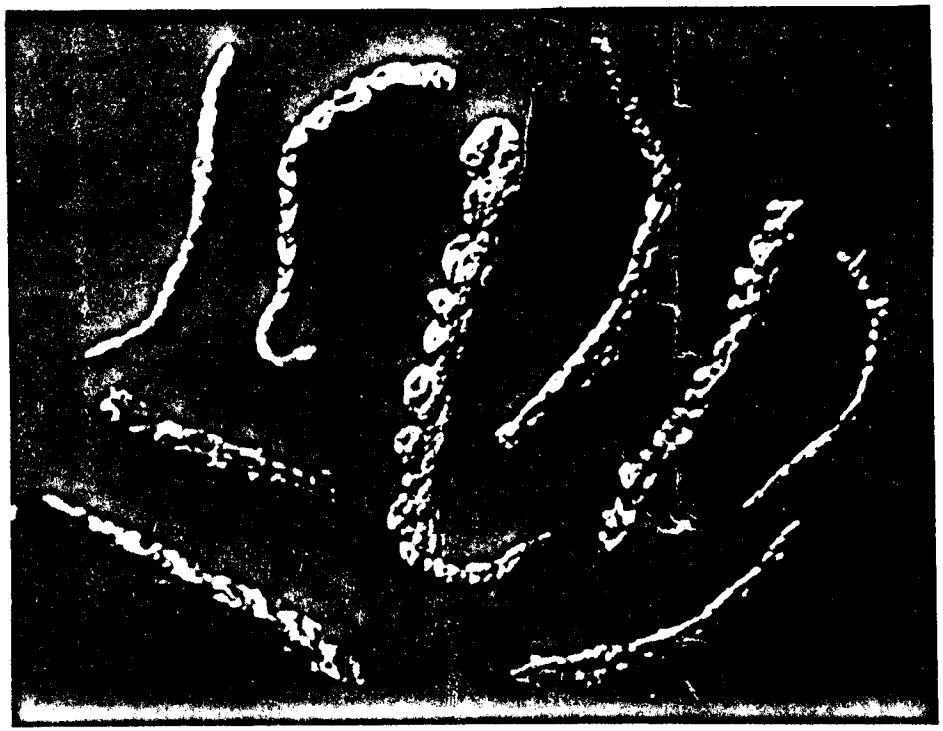
MINERALIZATION

Early exploration of the headwaters of the ridge between Gold Bottom Creek and the right fork of Hunker Creek located a number of quartz veins on ground now covered by the Law claims. These include the Brandon occurrence at the head of 24 Pup, the Hillsborough occurrence on the left limit of 24 Pup, and the Alphonse occurrence on the left limit of 39 Pup. MacLean (1914) examined these showings in 1912. A "trial sample" from a poorly exposed pyritic quartz vein on the Brandon claim assayed 0.04 oz/ton Au and 0.56 oz/ton Ag. On the Alphonse claim, an easterly-striking pyritic quartz vein dips moderately to the north and ranges from 0.6 to 1.2 m in thickness. A trench sample of 1.2 m returned an assay of 0.12 oz/ton Au. No significant gold assays were obtained from the Hillsborough occurrence, which consists of numerous quartz veinlets or sweats. It is probably more than coincidence that all three of the known occurrences are located along the trace of the regional thrust fault that crosses the property.

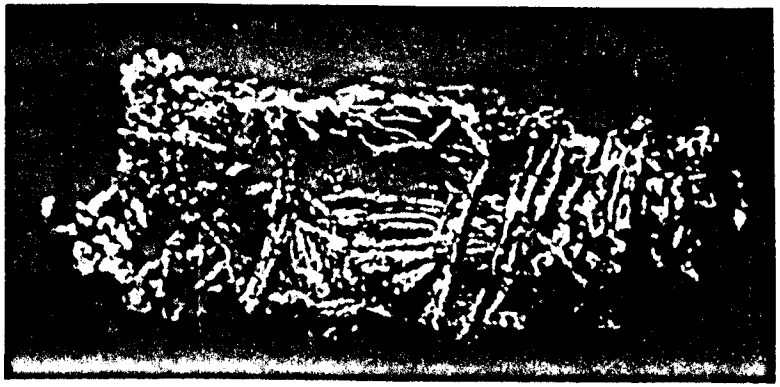
The best indication of bedrock gold mineralization on the Law property is the delicate wire-like placer gold recovered in the past five years from 24 Pup. This small operation is at an unusually high elevation of 750 m above sea level, whereas almost all the other Klondike placer workings occur below 700 m. As shown in Plate 1(a) on the following page, the gradient is steep for placer ground, with a 7° slope. The paystreak, which is very narrow and only about 0.5 m thick, is covered by coarse blocky colluvium.

The placer gold commonly consists of nuggets which average 0.5 to 1.0 gram in weight. These nuggets, as shown on Plate 1(b) are extraordinarily delicate

Plate 1(a) Placer Operation on 24 Pup, 1986



Wire gold approximately ½ inch long with some as delicate as light bulb filaments.



A ¾ inch long nugget displaying two layers of wire gold crisscrossing the surface.

Plate 1(b) Delicate Wire Gold from 24 Pup
(Ahnert, 1986)

and wire-like, occasionally falling into fragments when touched. These nuggets have obviously not travelled far from their source.

The thrust fault which crosses the property lies less than 100 m vertically above the placer operation. Since the other known gold mineralization is spacially related to this thrust fault, the source of the placer gold may be close to this fault as well.

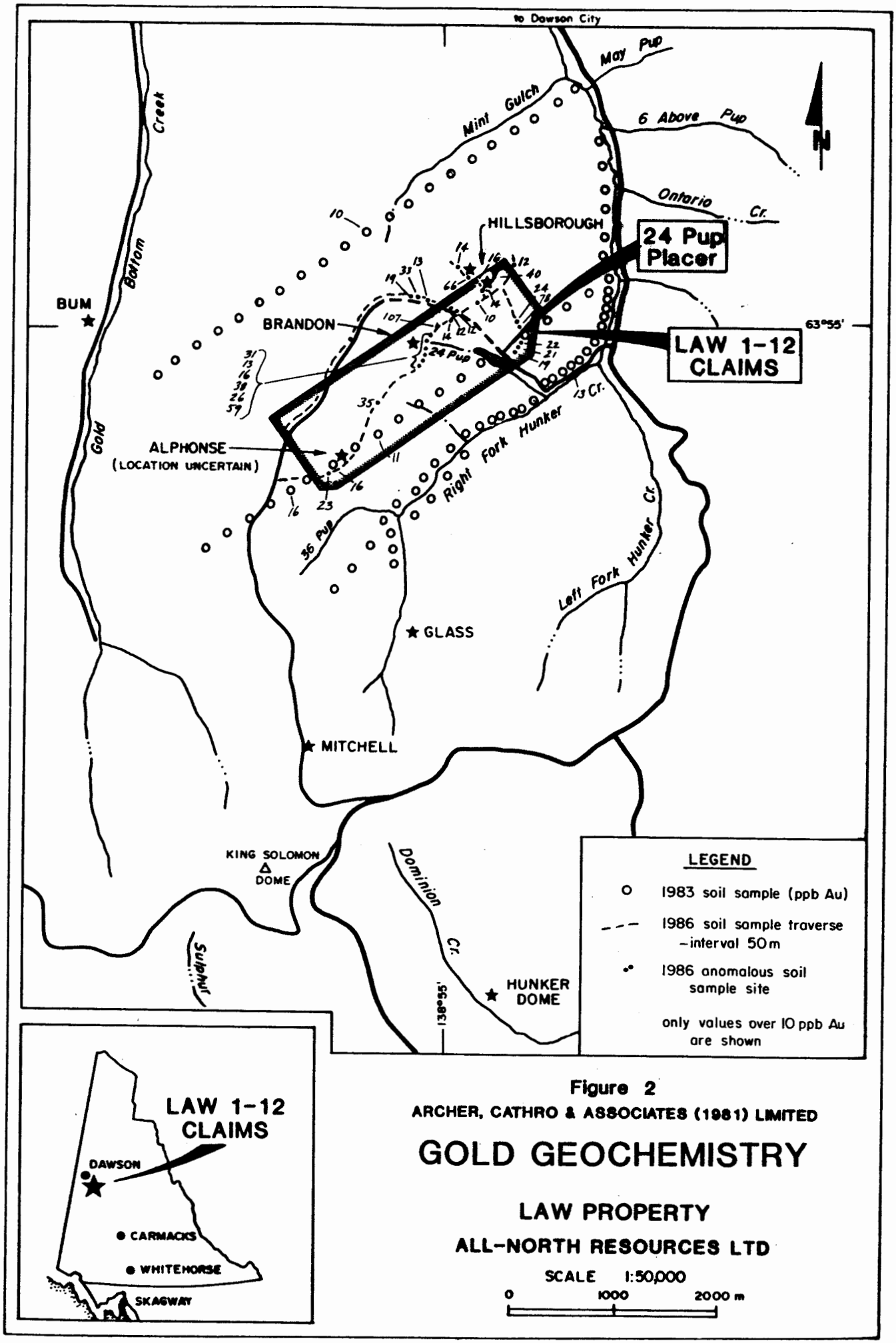


Figure 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GOLD GEOCHEMISTRY

LAW PROPERTY

ALL-NORTH RESOURCES LTD

SCALE 1:50,000

0 1000 2000 m

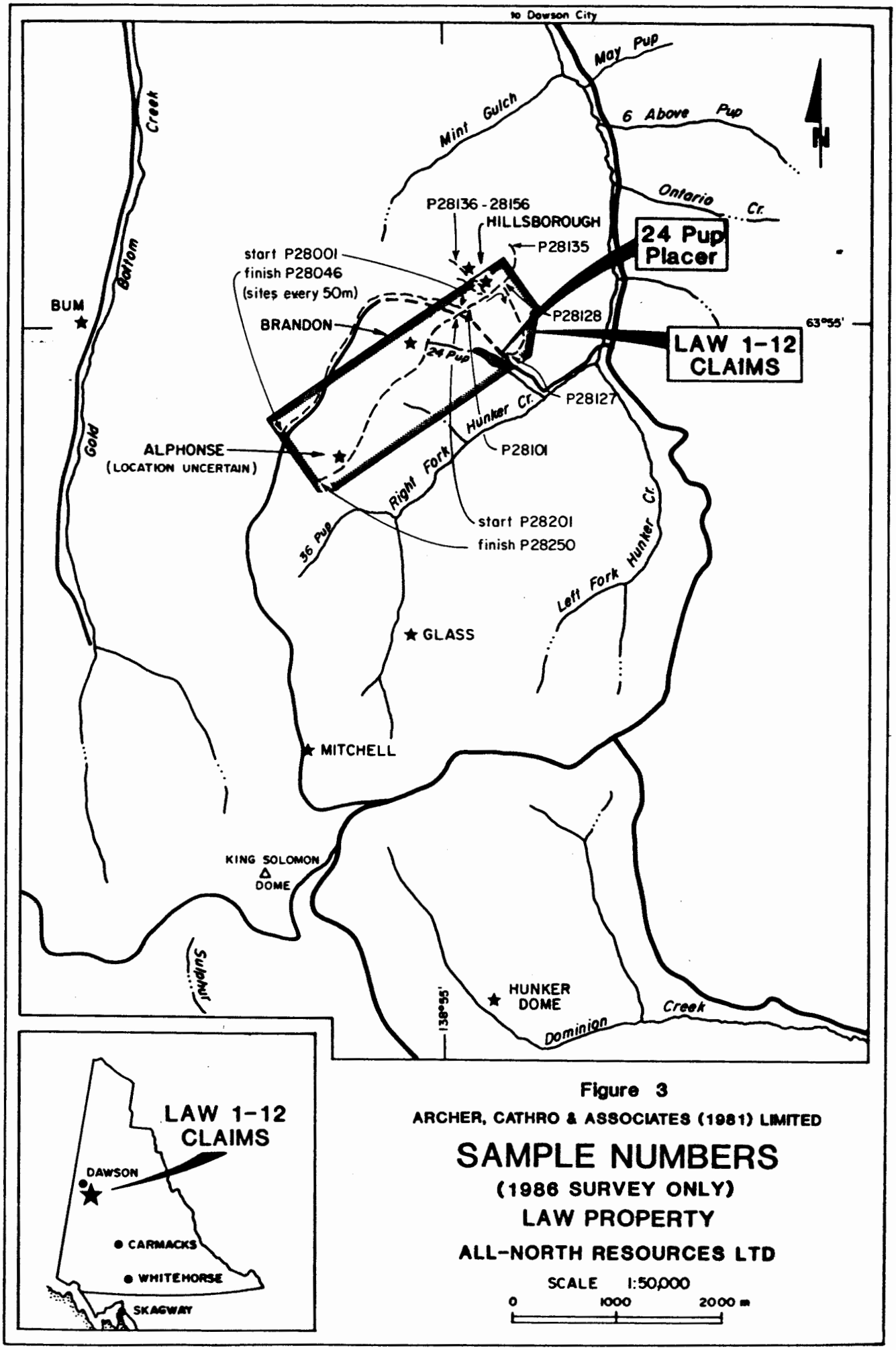


Figure 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE NUMBERS

(1986 SURVEY ONLY)

LAW PROPERTY

ALL-NORTH RESOURCES LTD

SCALE 1:50,000

1986 PROGRAM

Three mandays were spent in prospecting and geochemically sampling the Law property. Samples were generally taken at 50 m intervals along roads and old trails that cross the property. One hundred and fifty-two geochemical samples were taken from a brown clay B horizon soil, generally at depths of about 20 cm. These samples were sent by air to Chemex Labs where they were dried and the -35 mesh sieved portion was pulverized to -100 mesh. Part of this prepared material was preconcentrated by fire assay and analyzed for gold by neutron activation. Another portion was digested by nitric acid and aqua regia and analyzed semi-quantitatively by inductive coupled plasma (ICP) for 24 elements. The results of the gold analysis is shown on Figure 2 on the following page. The results of the ICP analysis are listed in Appendix IV and the sample locations are shown in Figure 3 following Figure 2. Previous samples from a similar but more wide spaced survey in 1983, which were analyzed in a similar fashion, have been compiled with the 1986 results and included on Figure 2.

No significant new mineralization was found by prospecting.

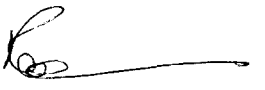
Previous regional geochemical surveys in the Klondike district have shown that gold-bearing veins generally exhibit very subtle anomalies which are often quite localized. Although sampling on the Law property is still too widespread to indicate the probable source of the mineralizations, results are encouraging as values up to 107 ppb were obtained and several samples exceeded the 20 ppb anomalous threshold. Reconnaissance soil geochemical surveys have shown that the background in the Klondike Goldfields is about 2 ppb Au.

APPENDIX I

STATEMENT OF QUALIFICATIONS

I, Robert C. Carne, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Burnaby, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 1974 with a B.Sc. and in 1979 with an M.Sc. majoring in Geological Sciences.
2. I am a member of the Geological Association of Canada.
3. From 1974 to the present, I have been actively engaged as a geologist in mineral exploration in British Columbia and Yukon Territory and on June 1, 1981 became a partner of Archer, Cathro & Associates (1981) Limited.
4. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.



Robert C. Carne, B.Sc., M.Sc.

APPENDIX II

REFERENCES

Ahnert, G.T.: Placer Gold: Mother Nature's Act, California Mining Journal, February, 1986

Debicki, R.L. (1984): Bedrock Geology and Mineralization of the Klondike Area (West), 1150/14,15 and 116B/2,3, DIAND O.F.

MacLean, T.A. (1914): Lode Mining in Yukon, Mines Branch Publication 222, p.205

Mortensen, J.K. (1984): Assessment Report on Klaw 1-24 Claims, a private report prepared for Archer, Cathro & Associates (1981) Limited

(1986): Bedrock Geology and U-Pb Geochronology of the Klondike District, West Central Yukon Territory, Canadian Journal of Earth Sciences (in press)

Northern Cordillera Mineral Inventory, NTS 115 O, Archer, Cathro & Associates (1981) Limited, private publication

APPENDIX III

SELECTED NORTHERN CORDILLERA MINERAL INVENTORY

OCCURRENCE DESCRIPTIONS

REVISED 1985

Occurrence No. 67
(Page 1)

Property Name: Common HUNKER DOME Other Dome Lode

Location: Lat. 63°52' Long. 138°55' NTS 115 0/15

Metals: Major Gold Minor Silver, Lead

Type of Mineral Deposit: Vein

History and Previous Work:

The earliest staking was probably Pride of the Mountain cl (4218) by H.N. Coleman in June /1900. Restaked as a forty claim property by Aaron Knorr, commencing with Discovery, etc (6926) in May/04 and optioned to Dome Lode Dev CL, which traced four veins on surface for 1500 ft with 4 shafts (14 to 80 ft deep) and a number of trenches. In 1909-10, a 2600 ft x-cut was driven at a cost of $70,000. About 25 claims were taken to lease, including some up to two miles northeast. Sam Thurber blasted an open cut on the Hunker claim, adjoining to the east, in 1912. Near the road, one mile to the north, W.D. MacKay put in a 50 ft shaft and an open cut on the Jennie claim and J. Cameron did some trenching on the Summit claim, all prior to 1912.

Restaked as Eleventh Hour cl (15037) in June/24 and Bridge, etc cl (39010) in Sept/37 by A.J. Matheson, who explored with hand pits until 1940-42, when he cleaned out and resampled the x-cut and drifted 122 ft.

Restaked as Dominion cl (86971) in Aug/65 by Orekon L, which bulldozer trenched in 1966 and 1972. The adit was restaked in Nov/80 as King, Solomon & Dominion cl (YA55132) by Lindex EL and transferred to Orekon L in 1982. Cominco added KSD cl (YA49490) to the west in Jan/80 and carried out mapping, geochem and IP surveys later in the year. Dawson Eldorado Gold EL restaked the KSD group as Klook cl (YA65751) in June/83 and explored with mapping and
** geochem sampling later in the year. A joint venture between United Keno Hill ML and Falconbridge L added Dom cl (YA80272) to the southwest in June/84.

Description:

The area is underlain by chlorite and chlorite-quartz schist and minor metagabbro, all of which have been thrust on top of a sequence of micaceous quartz and quartz-muscovite schist.

** Gold occurs in discordant quartz veins on and around the Klook claims. The veins located thus far appear to be confined to chloritic schists of the upper thrust panel. The Mitchell and Orekon veins, which lie north and northwest of King Solomon Dome and the veins on the ridge between Upper Dominion and Lombard Creeks occur as a large-scale en echelon sheeted vein system. Individual veins strike N-S and dip steeply to the east. Some of the veins in the Orekon system have faulted margins but generally the veins appear to be simple fillings of tension fractures. The vein material consists mainly of white, coarsely crystalline quartz with minor ferroan carbonate and pyrite. Concentrations of galena with traces of chalcopyrite and sphalerite are present locally. Traces of tetrahedrite and arsenopyrite have also been reported from the Mitchell vein. Free gold occurs sporadically in the veins, generally associated with sulphides. Wallrock alteration associated with the veins consists of widespread introduction of brown weathering ferroan carbonate and more restricted zones of pyritization.

Property Name: HUNKER DOME NTS 115 O/15

Description (cont'd):

** Assay values from veins in the vicinity of King Solomon Dome vary widely. Values of up to 1.4 oz/ton Au and 305 oz/ton Ag have been obtained from samples of the Mitchell and Orekon veins, although most samples contain only trace amounts. The veins on the ridge between Upper Dominion and Lombard Creeks have received the most development work of the Klondike District. Four veins were uncovered on surface and were explored in the early 1900's by trenches and a shallow shaft. MacLean (1914, pp.112-114) examined the property in 1912 and sampled some of the surface showings. Three samples from trenches and shafts averaged 0.08 oz/ton Au and 0.1 oz/ton Ag. The 790 m tunnel was collared approximately 150 m vertically below these showings. Between 250 and 600 m from the portal the tunnel intersected 6 veins ranging from 0.6 to 1.8 m in thickness. Very little information is available on the results of this work, but newspaper accounts report assays of up to 25.0 oz/ton Au and 3.64 oz/ton Ag.

Quartz veins containing traces of galena and pyrite are also present in old trenches and shafts on the ridge immediately west of Hunker Summit (MacKay and Summit occurrences). MacLean (1914) sampled quartz from both of these showings, but the highest assay was only 0.04 oz/ton Au.

References:

Sum. Rept. 1909, pp 17-18
"The Yukon - Its History and Resources", Dept. of Interior, 1909, pp 116-120
"Lode Mining in Yukon" by T.A. MacLean, Mines Branch Pub. 222, 1914, pp 106, 112-114, 125
** Dawson Daily News, 1908-1911
YEG 1983, p.265

REVISED 1985

Occurrence No. 68

Property Name: Common MITCHELL Other

Location: Lat. 63°53' Long. 138°57' NTS 115 O/15

Metals: Major Gold, Silver, Lead Minor Zinc, Copper

Type of Mineral Deposit: Vein

History and Previous Work:

Staked as Banner, etc cl (4575) in Aug/1900 by A. Wildhaber, who explored with shallow trenches. Starting in Aug/02, it was gradually restaked and consolidated into a 27 claim property - Belfast, etc (6025) by Mrs. Margaret Mitchell. In 1911, development consisted of a 50 ft drift from the bottom of an 84 ft shaft, and numerous trenches and shallow shafts. In 1912, the property was optioned by A.E. Garvey.

Restaked as Agnes, etc cl (57739) in July/52 by G. Murdock and G. Shaw and optioned in 1953 by Yukon Cons Gold Corp L, which cleaned out the shaft and resampled the workings. Restaked as Alpha cl (79137) in Aug/62 by C. Henderson and associates, who bulldozer trenched, and later as King Soloman et cl (86975)
* in Aug/65 by Thornburg Mg C (Orekon Synd), which conducted extensive bulldozer trenching in 1966-72. The showing was restaked in Nov/80 as Sheba, King Solomon,
** etc cl (YA55109) by Orekon and was surrounded in Jan/80 by KSD cl (YA49490) by Cominco, which carried out mapping, geochem and IP surveys later in the year.

Description:

Spectacular samples of free gold in quartz were reportedly found on surface in the early days. The main showing consists of two parallel quartz veins striking N60E that cut quartz-chlorite schist and impure quartzite. One vein is 1.2 to 2 m wide and barren, while the other is 10 to 45 m wide and contains small pockets of gold-rich sulphides. The veins have been traced for a length of 1 km. MacLean collected 34 samples and all those consisting of unmineralized quartz assayed trace in gold and silver. Traces of fine free gold were seen in a few samples. Three samples containing abundant galena and pyrite averaged 0.64 oz/ton Au and 0.1 oz/ton Ag. Yukon Cons found considerable bornite in a 10 m section of the shaft, from which assays varied from 5 to 25% Cu with about 20 oz/ton Ag. Orekon Synd located several very small, but rich, sulphide pockets in the main vein and located several parallel veins. Orekon shipped 0.9 tons to the Tacoma Smelter in 1966 which assayed 305 oz/ton Ag, 23.5% Pb and 2.9% Cu, and 4.1 tons to the Shelby Smelter in 1969 which assayed 136.5 oz/ton Ag, 26.3% Pb, 0.7% Zn, 0.4% Cu and 0.04 oz/ton Au. Seventeen grab samples of sulphides by various geologists gave an arithmetic average of 290.0 oz/ton Ag, 34.2% Pb, 2.3% Zn, 2.9% Cu and 0.2 oz/ton Au. These pockets are separated by up to 100 m of relatively barren vein. They contain pyrite, galena, sphalerite, chalcopyrite, tetrahedrite and arsenopyrite. Cathro sampled pyritized schist from the altered wallrock of the veins near the shaft in 1970 and obtained assays of 0.12 to 1.4 oz/ton Au. Apparently unpyritized schist and quartz assays 0.02 to 0.04 oz/ton Au.

* The 1980 geochem survey on the area south of the Mitchell occurrence gave generally low gold values but showed a continuous arsenic anomaly that was interpreted to be related to stratigraphy. The IP response was flat.

References:

Sum Rept 1911, p.38
"Lode Mining in Yukon" by T.A. MacLean, Mines Branch Pub 222, 1914, pp.107-111
Bull 173, pp.16-17
** YGE 1970-80, p.271; YEG 1982, p.211
ER, Dec/80 by I. Jackish for Cominco Ltd.
ER, Jan/81 by G.A. Medford for Cominco Ltd.
Northern Cordillera Mineral Inventory - 1972 - Archer, Cathro & Associates Ltd.

REVISED 1985 Occurrence No. 69

Property Name: Common FAWCETT Other Alphonse

Location: Lat. 63°55' Long. 138°54' NTS 115 O/15

Metals: Major Gold Minor Silver

Type of Mineral Deposit: Vein

History and Previous Work:

Staked as Brandon, Alphonse and Hillsborough cl (10910) in July/08 by T. Fawcett, who prospected and trenched prior to 1912. Nearby staking includes Bunker Hill and BC cl (10606) in Dec/07 by J. Cameron, which was restaked as Regina cl (1357) in Feb/09 and surveyed later in the year. Restaked as Caribou, etc cl (79144) in Aug/62 by W. Robertson and as KM and Golden Dream cl (86998) in Aug/65 by K.W. Miller and C. Anderson.

Restaked as Klaw cl (YA79121) in July/83 by Dawson Eldorado Gold EL, ** which performed mapping and geochem sampling later in the year. A joint venture between United Keno Hill ML & Falconbridge L tied on Hun cl (YA79929) to the south in June/84.

Description:

Several veins and masses of quartz occur within and adjacent to a major thrust fault zone that emplaces chlorite and chlorite-quartz schist and metagabbro above a sequence of chlorite schist, muscovite-quartz schist and quartzite. Discontinuous lenses of sheared and strongly altered ultramafic rocks occur within the fault zone.

** Thickness of the placer paystreak on the Right Fork of Hunker Creek and the rough, coarse nature of the placer gold in that paystreak led to intense prospecting of the nearby ridges and the early discovery of the Mitchell and Orekon vein systems at the head of the right fork. A relatively rich paystreak is also present, however, on 24 Pup, a tributary into the left limit of the Right Fork of Hunker, indicating a lode source separate from the Mitchell-Orekon veins. The placer gold on 24 Pup is typically fine to coarse, and very rough, including wire gold and delicate crystalline forms. Quartz is locally found intergrown with the gold.

Early exploration of the area located several bodies of gold-bearing quartz on ground now covered by the Klaw claims. MacLean (1914) examined three of these showings in 1912, including the Brandon claim at the head of 24 Pup, the Hillsborough claim on the left limit of 24 Pup, and the Alphonse claim on the left limit of 39 Pup. MacLean took 9 samples, 6 of which contained higher than trace levels of gold. A sample of pyritic quartz from an open cut on the Brandon claim assayed 0.04 oz/ton Au and 0.56 oz/ton Ag. On the Alphonse claim, a weakly pyritic quartz vein striking east and dipping moderately to the north had been uncovered by a series of 3 trenches over a strike length of 50 m. The vein ranged from 0.6 go 1.2 m in thickness. The best assay obtained by MacLean was a sample taken across the vein at its widest exposure, which returned 0.12 oz/ton Au.

Most of the old workings in the area are completely caved and those on the Hillsborough claim have been largely destroyed by bulldozer trenching. Sampling of the old workings returned low values in gold, arsenic and copper.

References.

"Lode Mining in Yukon" by T.A. MacLean, Mines Branch Pub. 222, 1914, pp.107-111

* YEG 1983, p.263

REVISED 1985

Occurrence No. 70

Property Name: Common BUM Other

Location: Lat. 63°55' Long. 138°59' NTS 115 O/15

Metals: Major Copper, Silver Minor Gold

Type of Mineral Deposit: Vein

History and Previous Work:

* Staked as Mauri Girl, etc cl (7189) in Sept/05 by S.J.B. Pinder, who shipped
* 2 tons to a smelter later in the year and explored with a 7 m drift from the bottom of a 25 m shaft, plus a second 12 m shaft, between 1906-08.

Restaked as Agnes, etc cl (57739) in July/52 by G. Shaw and Associates and optioned to Yukon Cons Gold Corp, which cleaned out and sampled the deepest shaft in 1952-55, drilled 64 m in 1952 and 437 m (6 holes) in 1956, and added YCGC cl (78139) in Aug/56. After the option was dropped, the owners deepened the workings slightly in 1958.

Restaked as Thor, Nancy, etc cl (87468) in June/66 by B. Bratsburg, who bulldozer trenched and ground sluiced in 1967 and 1968; as Hobart, etc cl (Y37967) in June/69 by M.D. Crockett, and as GB cl (Y56800) in June/70 by H.S. Aikens and F. Burkhard. The Daw cl (Y65334) were staked immediately to the north in May/72 by R.G. Hilker for Sullivan and Rogers, who performed mapping and soil geochem surveys later in the year. Restaked as GEO cl (Y99841) in July/75 by L. Gatenby, and as Eagle cl (YA5169) in Aug/76 by
** H. Liedtke. M. Sutter tied on Cuag cl (YA79726) in Apr/84. These were surrounded by Bot cl (YA80474) in June/84 by a joint venture between United Keno Hill ML & Falconbridge L, which drilled a fence of percussion holes (1580 ft) one mile south later in the year.

Description:

Chalcopyrite, pyrite and bornite occur in a quartz vein cutting brecciated chloritic-quartz schist. A selected specimen assayed in 1952 reportedly returned 18% Cu and 18 oz/ton Ag, while another report claimed that a specimen assayed 7.3% Cu and 4.3 oz/ton Ag.

References:

* Dawson Daily News, 6 Nov/05
YMI 1941-59, pp.83,112,126
Bull. 173, pp.14-15
MIR, 1971-72, p.13

APPENDIX IV

ICP ANALYSES FOR SOIL GEOCHEMICAL SAMPLES

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CERTIFICATE OF ANALYSIS

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CERT. # : A8613317-005-A
INVOICE # : I8613317
DATE : 16-JUN-86
P.O. # : NONE
ALL NORTH NDR

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :
N

Sample description	Au FAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
P 28188	<1	2.31	0.2	<10	370	<0.5	<2	0.71	<0.5	14	104	38	3.50	10	0.18	10	0.55	1221	<1	0.08	22	240	6	<10	50	0.13	<10	<10	84	<10	50
P 28189	<1	2.46	0.2	10	290	<0.5	<2	0.87	<0.5	17	106	42	4.16	10	0.20	10	0.73	874	<1	0.07	24	250	4	<10	76	0.12	<10	<10	102	<10	60
P 28190	4	1.73	0.2	<10	180	<0.5	<2	0.59	<0.5	10	84	26	2.86	<10	0.14	10	0.51	457	<1	0.07	17	340	2	<10	51	0.10	<10	<10	69	<10	40
P 28191	3	1.62	0.2	<10	180	<0.5	<2	0.56	<0.5	11	52	27	2.95	<10	0.15	10	0.51	541	<1	0.04	15	340	4	<10	45	0.10	<10	<10	74	<10	40
P 28192	312	1.99	0.2	<10	220	<0.5	<2	0.78	<0.5	15	70	42	3.62	<10	0.15	10	0.60	828	<1	0.04	21	390	2	<10	63	0.09	<10	<10	88	<10	60
P 28193	<1	2.14	0.2	10	140	<0.5	<2	0.63	<0.5	14	78	32	3.47	10	0.23	10	0.55	521	<1	0.04	18	260	6	<10	49	0.11	<10	<10	86	<10	40
P 28194	3	1.49	0.2	10	150	<0.5	<2	0.71	<0.5	12	66	31	3.63	<10	0.19	10	0.44	757	<1	0.04	18	560	4	<10	58	0.04	<10	<10	62	<10	50
P 28195	8	0.93	0.2	10	150	<0.5	<2	2.57	<0.5	7	61	26	2.07	10	0.11	<10	0.35	382	<1	0.04	12	560	6	<10	90	0.05	<10	<10	46	<10	30
P 28196	4	2.68	0.2	10	220	<0.5	<2	1.23	<0.5	24	82	73	4.49	10	0.12	10	0.74	1178	<1	0.05	29	260	6	<10	59	0.05	<10	<10	103	<10	60
P 28197	<1	2.28	0.2	<10	220	<0.5	<2	0.73	<0.5	19	102	72	4.22	10	0.15	10	0.74	1178	<1	0.05	29	260	6	<10	59	0.05	<10	<10	103	<10	60
P 28201	14	2.34	0.2	10	320	<0.5	<2	1.95	<0.5	32	274	74	4.65	10	0.30	<10	2.14	1043	<1	<0.01	153	470	2	<10	30	0.05	<10	<10	97	<10	70
P 28202	7	2.28	0.2	10	320	<0.5	<2	0.93	<0.5	24	206	51	4.50	<10	0.10	10	1.83	827	<1	0.01	96	600	6	<10	25	0.06	<10	<10	93	<10	60
P 28203	107	2.32	0.2	10	390	<0.5	<2	1.72	<0.5	27	78	138	6.87	10	0.23	10	0.93	1110	<1	0.01	36	1110	2	<10	16	<0.01	<10	<10	109	<10	80
P 28204	6	2.14	0.2	60	630	<0.5	<2	0.57	<0.5	25	106	114	5.81	<10	0.18	20	1.10	1224	<1	0.01	97	740	2	<10	19	0.03	<10	<10	88	<10	90
P 28205	11	2.29	0.4	30	710	<0.5	<2	0.50	<0.5	24	102	131	5.93	10	0.41	20	1.12	1217	<1	0.01	74	1140	2	<10	18	0.07	<10	<10	134	<10	90
P 28206	4	2.62	0.2	<10	360	<0.5	<2	0.75	<0.5	25	58	142	4.66	<10	0.56	<10	1.95	716	<1	0.02	27	860	<2	<10	31	0.26	<10	<10	116	<10	70
P 28207	3	1.91	0.2	20	320	<0.5	<2	0.27	<0.5	18	123	26	3.01	<10	0.05	10	0.98	882	<1	0.01	30	550	8	<10	17	0.08	<10	<10	61	<10	50
P 28208	21	2.12	0.2	80	430	<0.5	<2	0.44	<0.5	18	93	65	4.32	<10	0.17	10	1.18	549	<1	0.01	30	560	2	<10	19	0.13	<10	<10	110	<10	60
P 28209	13	2.43	0.2	60	430	<0.5	<2	0.44	<0.5	18	107	83	4.56	10	0.16	10	1.22	542	<1	0.01	47	710	2	<10	22	0.09	<10	<10	104	<10	70
P 28210	16	3.18	0.2	50	400	<0.5	<2	0.50	<0.5	27	93	129	6.06	10	0.22	20	1.95	1198	<1	0.02	49	840	6	<10	19	0.08	<10	<10	161	<10	80
P 28211	38	2.82	0.2	130	430	<0.5	<2	0.44	<0.5	26	105	123	5.74	10	0.15	10	1.44	1376	<1	0.01	65	760	12	<10	19	0.04	<10	<10	116	<10	80
P 28212	<1	2.32	0.2	10	110	<0.5	<2	0.57	<0.5	26	118	54	3.98	<10	0.11	10	1.85	492	<1	0.01	45	280	<2	<10	9	0.40	<10	<10	90	<10	40
P 28213	26	2.69	0.2	90	1000	<0.5	<2	0.40	<0.5	26	38	167	5.77	<10	0.49	10	1.68	796	<1	0.01	21	670	<2	<10	18	0.19	<10	<10	188	<10	100
P 28214	12	1.96	0.2	10	830	<0.5	<2	0.38	<0.5	28	51	141	3.76	<10	0.28	<10	1.65	892	<1	0.01	19	580	<2	<10	18	0.27	<10	<10	138	<10	80
P 28215	4	2.54	0.2	10	910	<0.5	<2	0.44	<0.5	24	33	158	4.93	<10	0.58	<10	1.70	694	<1	0.01	19	580	<2	<10	18	0.25	<10	<10	220	<10	100
P 28216	18	3.22	0.2	30	910	<0.5	<2	0.46	<0.5	29	50	186	6.74	<10	0.70	<10	2.11	1158	<1	0.02	22	740	<2	<10	20	0.11	<10	<10	206	<10	80
P 28217	59	3.53	0.2	290	310	<0.5	<2	0.47	<0.5	26	89	138	6.62	10	0.18	10	1.99	866	<1	0.01	35	510	<2	<10	20	0.11	<10	<10	206	<10	80
P 28218	5	2.28	0.2	20	110	<0.5	<2	0.47	<0.5	18	167	37	2.46	<10	0.03	10	1.67	279	<1	0.01	75	100	4	<10	18	0.16	<10	<10	49	<10	30
P 28219	3	2.38	0.2	20	310	<0.5	<2	0.52	<0.5	16	123	60	3.74	<10	0.10	10	1.14	594	<1	0.03	36	400	6	<10	28	0.17	<10	<10	85	<10	60
P 28220	<1	2.62	0.2	10	180	<0.5	<2	0.52	<0.5	19	102	94	4.14	<10	0.08	10	1.34	502	<1	0.02	35	210	<2	<10	26	0.26	<10	<10	99	<10	60
P 28221	2	2.83	0.2	10	230	<0.5	<2	0.42	<0.5	20	207	50	3.39	<10	0.06	10	1.78	392	<1	0.02	75	140	4	<10	21	0.19	<10	<10	71	<10	50
P 28222	2	2.61	0.2	10	330	<0.5	<2	0.21	<0.5	15	140	30	3.70	<10	0.10	20	1.18	433	<1	0.02	36	210	8	<10	16	0.11	<10	<10	76	<10	70
P 28223	1	3.16	0.4	<10	300	<0.5	<2	0.67	<0.5	22	50	150	5.98	10	0.07	10	1.78	935	<1	0.01	26	460	<2	<10	39	0.21	<10	<10	174	<10	80
P 28224	4	2.31	0.2	10	350	<0.5	<2	0.28	<0.5	13	160	28	3.38	<10	0.12	20	1.21	457	<1	0.02	36	380	6	<10	18	0.10	<10	<10	62	<10	60
P 28225	5	2.32	0.2	20	290	<0.5	<2	0.36	<0.5	24	330	46	3.63	<10	0.06	10	1.66	598	<1	0.01	155	370	6	<10	20	0.09	<10	<10	67	<10	50
P 28226	5	2.18	0.2	10	250	<0.5	<2	0.29	<0.5	13	176	29	3.05	<10	0.05	10	1.10	328	<1	0.02	49	300	<2	<10	18	0.11	<10	<10	60	<10	50
P 28227	4	2.11	0.2	10	260	<0.5	<2	0.21	<0.5	12	127	27	3.16	<10	0.05	10	1.09	344	<1	0.01	36	340	4	<10	13	0.09	<10	<10	59	<10	60
P 28228	35	1.91	0.2	10	270	<0.5	<2	0.24	<0.5	13	126	25	3.01	<10	0.06	10	1.08	369	<1	0.02	39	300	2	<10	15	0.09	<10	<10	58	<10	50
P 28229	5	2.03	0.2	10	200	<0.5	<2	0.27	<0.5	15	181	29	2.83	<10	0.04	10	1.42	330	<1	0.01	67	250	4	<10	15	0.10	<10	<10	52	<10	40
P 28230	2	2.13	0.2	10	290	<0.5	<2	0.47	<0.5	20	311	46	2.94	<10	0.06	10	1.58	377	<1	0.03	136	160	8	<10	23	0.13	<10	<10	54	<10	50

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CERT. # : A8613317-006-A
INVOICE # : I8613317
DATE : 16-JUN-86
P.O. # : NONE
ALL NORTH NDR

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :
N

Sample description	Au FAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
P 28231	2	2.44	0.2	<10	180	<0.5	<2	0.70	<0.5	20	195	45	3.21	<10	0.04	10	1.70	423	<1	0.01	68	700	4	<10	19	0.21	<10	<10	56	<10	50	—
P 28232	2	2.37	0.2	10	270	<0.5	<2	0.23	<0.5	15	162	29	3.47	10	0.12	20	1.60	453	<1	0.01	48	270	12	<10	16	0.07	<10	<10	66	<10	80	—
P 28233	1	2.20	0.2	20	350	<0.5	<2	0.27	<0.5	10	101	27	3.39	<10	0.15	20	1.04	417	<1	0.02	25	360	10	<10	23	0.08	<10	<10	66	<10	70	—
P 28234	<1	2.54	0.2	10	290	<0.5	<2	0.17	<0.5	11	123	25	3.92	<10	0.16	20	1.30	508	<1	0.01	22	420	8	<10	17	0.06	<10	<10	71	<10	80	—
P 28235	9	2.79	0.2	10	380	<0.5	<2	0.56	<0.5	14	73	26	4.50	10	0.28	30	1.97	894	<1	0.01	26	550	8	<10	38	0.18	<10	<10	89	<10	120	—
P 28236	5	1.68	0.2	<10	270	<0.5	<2	0.28	<0.5	9	101	14	3.29	<10	0.13	10	0.74	487	<1	0.01	16	570	6	<10	20	0.12	<10	<10	71	<10	60	—
P 28237	2	2.92	0.2	10	290	<0.5	<2	0.23	<0.5	17	62	40	4.93	10	0.28	20	2.33	592	<1	0.01	17	180	8	<10	15	0.19	<10	<10	95	<10	80	—
P 28238	4	2.63	0.2	10	290	<0.5	<2	0.30	<0.5	15	102	41	4.40	10	0.24	20	1.65	612	<1	0.01	19	400	6	<10	21	0.11	<10	<10	90	<10	70	—
P 28239	23	2.06	0.2	10	250	<0.5	<2	0.19	<0.5	9	107	26	2.84	<10	0.19	30	0.67	301	<1	0.02	22	150	14	<10	18	0.09	<10	<10	56	<10	50	—
P 28240	3	2.45	0.6	10	240	<0.5	<2	0.24	<0.5	10	129	19	3.52	<10	0.15	20	0.87	385	<1	0.02	21	350	14	<10	20	0.11	<10	<10	75	<10	70	—
P 28241	5	2.26	0.2	10	320	<0.5	<2	0.39	<0.5	13	117	24	3.53	<10	0.45	20	1.40	623	<1	0.01	27	570	12	<10	26	0.13	<10	<10	67	<10	90	—
P 28244	7	2.22	0.4	<10	270	<0.5	<2	0.34	<0.5	13	111	23	3.46	10	0.19	20	1.14	670	<1	0.01	22	550	14	<10	21	0.08	<10	<10	71	<10	90	—
P 28245	2	1.59	0.2	10	300	<0.5	<2	0.29	<0.5	10	102	26	2.75	<10	0.09	20	0.72	404	<1	0.02	23	300	10	<10	22	0.08	<10	<10	53	<10	60	—
P 28246	<1	1.83	0.4	<10	160	<0.5	<2	0.20	<0.5	6	89	11	2.82	<10	0.10	10	0.88	284	<1	0.01	14	310	14	<10	13	0.07	<10	<10	55	<10	60	—
P 28247	3	2.04	0.4	<10	270	<0.5	<2	0.34	<0.5	11	103	27	3.31	<10	0.15	20	1.07	496	<1	0.01	22	430	20	<10	23	0.09	<10	<10	64	<10	70	—
P 28248	1	2.45	0.2	10	300	<0.5	<2	0.28	<0.5	12	170	28	4.12	<10	0.33	20	1.56	598	<1	0.02	24	570	6	<10	19	0.10	<10	<10	86	<10	90	—
P 28249	7	2.07	0.2	<10	230	<0.5	<2	0.24	<0.5	11	91	21	3.69	<10	0.23	10	1.22	492	<1	0.01	19	680	6	<10	17	0.09	<10	<10	81	<10	80	—
P 28250	5	2.67	0.2	<10	170	<0.5	<2	0.26	<0.5	14	61	24	4.67	<10	0.23	10	1.72	640	<1	0.01	10	350	2	<10	14	0.22	<10	<10	95	<10	70	—
P 28251	4	2.41	0.2	<10	200	<0.5	<2	1.08	<0.5	11	105	28	3.58	<10	0.07	10	0.69	364	<1	0.13	17	210	2	<10	75	0.14	<10	<10	92	<10	50	—
P 28252	8	1.40	0.2	10	160	<0.5	<2	1.26	<0.5	7	161	22	2.27	<10	0.12	10	0.56	374	<1	0.13	16	360	4	<10	75	0.11	<10	<10	55	<10	30	—
P 28253	2	1.96	0.2	<10	100	<0.5	<2	0.41	<0.5	8	93	57	3.43	<10	0.07	10	0.39	340	<1	0.11	12	510	<2	<10	30	0.20	<10	<10	98	<10	110	—
P 28254	2	1.27	0.2	<10	80	<0.5	<2	0.34	<0.5	6	74	57	2.07	<10	0.06	<10	0.29	371	<1	0.14	8	480	<2	<10	30	0.13	<10	<10	59	<10	40	—
P 28255	2	3.51	0.2	<10	150	<0.5	<2	0.53	<0.5	15	119	131	5.86	<10	0.08	10	0.77	661	<1	0.08	21	790	<2	<10	35	0.31	<10	<10	169	<10	120	—
P 28257	5	4.06	0.2	<10	360	<0.5	<2	0.69	<0.5	23	74	129	6.10	<10	0.08	10	0.87	2311	<1	0.06	26	660	2	<10	37	0.29	<10	<10	166	<10	190	—
P 28259	<1	2.38	0.2	10	10	<0.5	<2	1.69	<0.5	30	12	249	7.33	10	<0.01	10	1.11	1757	<1	0.01	9	1450	6	<10	42	0.01	<10	<10	228	<10	100	—
P 28260	11	2.42	0.2	30	150	<0.5	<2	1.07	<0.5	26	44	208	6.84	10	0.23	10	0.71	1919	<1	0.04	19	790	6	<10	43	0.10	<10	<10	153	<10	80	—
P 28261	4	3.30	0.2	10	180	<0.5	<2	1.21	<0.5	23	55	162	6.32	10	0.26	10	0.87	1517	<1	0.05	20	900	8	<10	52	0.17	<10	<10	161	<10	120	—
P 28303	3	1.08	0.2	50	90	<0.5	2	0.62	<0.5	10	61	24	2.28	<10	0.10	10	0.49	364	<1	0.04	22	470	8	<10	40	0.07	<10	<10	49	<10	30	—
P 28306	8	1.18	0.2	1850	80	<0.5	<2	0.26	<0.5	44	352	72	6.56	20	0.01	<10	3.86	1728	<1	0.01	274	510	12	<10	102	<0.01	<10	<10	75	10	40	—
P 28310	7	1.27	0.2	270	40	<0.5	<2	9.38	<0.5	68	424	91	7.06	30	<0.01	<10	3.79	1419	<1	<0.01	347	570	12	<10	66	<0.01	<10	<10	94	10	50	—

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CERTIFICATE OF ANALYSIS

TO : ARCHER CATHRO & ASSOC. (1981) LTD.
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3125 THIRD AVE.
WHITEHORSE, Y.T.
Y1A 3S9

CERT. # : A8613317-001-A
INVOICE # : I8613317
DATE : 16-JUN-86
P.O. # : NONE
ALL NORTH NDR

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :
N

Sample description	Au NAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
P 20001	12	2.20	0.2	30	400	<0.5	<2	1.01	<0.5	25	222	89	4.69	<10	0.17	10	1.52	874	<1	0.02	78	740	4	<10	26	0.06	<10	<10	102	<10	70
P 20002	12	2.40	0.2	30	350	<0.5	<2	1.05	<0.5	28	197	103	5.18	10	0.26	10	1.67	960	<1	0.02	67	930	2	<10	32	0.06	<10	<10	117	10	70
P 20003	8	2.80	0.2	20	360	<0.5	<2	0.72	<0.5	30	184	65	5.69	<10	0.21	10	1.09	1086	<1	0.01	77	800	2	<10	21	0.11	<10	<10	152	10	70
P 20004	2	3.04	0.2	10	430	<0.5	<2	0.45	<0.5	27	98	151	6.78	<10	0.16	10	1.57	1155	<1	0.01	43	1150	<2	<10	15	<0.01	<10	<10	101	10	90
P 20005	13	2.06	0.2	20	300	<0.5	<2	1.03	<0.5	36	52	104	5.44	10	0.15	10	1.64	866	<1	0.01	23	860	<2	<10	32	0.02	<10	<10	112	10	80
P 20006	33	2.73	0.2	20	410	<0.5	<2	1.33	<0.5	35	220	157	6.14	10	0.28	20	2.11	1104	<1	0.01	83	1000	6	<10	36	0.01	<10	<10	88	10	100
P 20007	19	2.19	0.2	90	280	<0.5	<2	0.43	<0.5	26	106	88	4.52	<10	0.13	10	1.60	853	<1	0.01	69	470	4	<10	16	0.06	<10	<10	81	10	60
P 20008	2	1.82	0.2	50	130	<0.5	4	0.20	<0.5	26	815	24	3.64	<10	<0.01	10	1.75	332	<1	0.01	282	210	10	<10	10	0.07	<10	<10	73	<10	40
P 20009	<1	2.31	0.2	10	100	<0.5	2	0.42	<0.5	19	194	38	2.39	<10	0.03	10	1.70	280	<1	0.01	91	170	8	<10	17	0.14	<10	<10	41	<10	30
P 20010	<1	2.54	0.2	10	20	<0.5	4	0.63	<0.5	25	366	58	2.33	<10	<0.01	<10	2.51	259	<1	0.01	108	90	4	10	14	0.15	<10	<10	28	<10	20
P 20011	8	3.05	0.4	30	230	<0.5	2	0.32	<0.5	37	215	52	4.07	<10	0.06	10	2.06	1264	<1	0.01	74	370	10	<10	17	0.09	<10	<10	89	<10	70
P 20012	1	2.38	0.2	10	310	<0.5	<2	0.18	<0.5	18	84	31	3.74	<10	0.06	20	0.52	1828	1	0.01	18	610	8	<10	16	0.10	<10	<10	79	<10	60
P 20013	4	2.05	0.2	20	260	<0.5	2	0.44	<0.5	17	162	39	3.16	<10	0.09	20	1.18	491	<1	0.02	41	570	12	<10	21	0.17	<10	<10	64	<10	60
P 20014	<1	2.37	0.4	20	130	<0.5	<2	0.13	<0.5	35	178	28	4.38	<10	0.08	10	1.44	1062	<1	0.01	43	580	8	<10	12	0.09	<10	<10	88	<10	60
P 20015	<1	2.14	0.2	10	340	<0.5	<2	0.22	<0.5	13	94	25	3.72	<10	0.44	<10	1.57	455	<1	0.01	17	590	8	<10	21	0.23	<10	<10	45	<10	100
P 20016	8	2.19	0.2	20	250	<0.5	<2	0.11	<0.5	12	87	25	3.32	<10	0.09	20	0.80	379	<1	0.01	23	280	8	<10	12	0.08	<10	<10	55	<10	60
P 20017	2	2.01	0.2	20	220	<0.5	<2	0.08	<0.5	20	88	18	3.55	<10	0.06	10	0.77	714	<1	0.01	16	370	14	<10	9	0.09	<10	<10	69	<10	40
P 20018	3	2.05	0.2	10	220	<0.5	<2	0.10	<0.5	13	78	21	3.21	<10	0.10	10	0.81	386	<1	0.01	23	230	10	<10	10	0.08	<10	<10	57	<10	60
P 20019	5	1.93	0.2	30	190	<0.5	<2	0.08	<0.5	9	93	20	3.19	<10	0.13	20	0.76	301	<1	0.01	18	220	8	<10	8	0.03	<10	<10	49	<10	60
P 20020	15	2.14	0.4	90	230	<0.5	<2	0.12	<0.5	9	83	22	3.06	<10	0.10	20	0.58	322	<1	0.01	21	230	10	<10	13	0.06	<10	<10	57	<10	50
P 20021	3	2.38	0.2	50	340	<0.5	<2	0.10	<0.5	14	157	24	3.76	<10	0.19	20	0.75	654	1	0.02	21	510	8	<10	11	0.05	<10	<10	75	<10	70
P 20022	2	2.71	0.2	20	220	<0.5	<2	0.08	<0.5	14	129	34	4.25	<10	0.15	20	1.91	486	<1	0.01	22	390	10	<10	6	0.04	<10	<10	55	<10	90
P 20023	2	2.36	0.2	150	360	<0.5	<2	0.09	<0.5	14	177	32	3.59	<10	0.28	20	1.05	452	<1	0.01	34	290	12	<10	10	0.02	<10	<10	39	<10	90
P 20024	6	2.54	0.2	50	230	<0.5	<2	0.09	<0.5	12	116	31	3.79	<10	0.09	20	1.04	323	<1	0.01	26	220	14	<10	10	0.07	<10	<10	68	<10	80
P 20025	1	2.26	0.2	60	200	<0.5	<2	0.12	<0.5	12	192	30	4.26	<10	0.16	10	0.81	450	1	0.02	24	640	6	<10	10	0.06	<10	<10	75	<10	70
P 20026	<1	2.92	0.2	30	310	<0.5	<2	0.10	<0.5	14	152	36	4.30	<10	0.11	10	1.04	491	<1	0.01	29	400	10	<10	9	0.07	<10	<10	82	<10	100
P 20027	7	2.66	3.2	80	250	<0.5	<2	0.08	<0.5	12	123	45	4.10	<10	0.16	20	0.93	350	<1	0.01	39	310	8	<10	7	0.04	<10	<10	52	<10	80
P 20028	<1	2.75	1.6	40	240	<0.5	<2	0.13	<0.5	11	143	27	4.17	<10	0.10	20	0.70	348	1	0.02	26	510	10	<10	11	0.08	<10	<10	77	<10	100
P 20029	7	2.11	0.4	50	210	<0.5	<2	0.12	<0.5	14	119	37	4.18	<10	0.21	20	0.99	545	1	0.01	25	760	18	<10	5	0.02	<10	<10	40	<10	80
P 20030	<1	2.39	0.2	60	240	<0.5	<2	0.10	<0.5	18	118	49	4.47	<10	0.27	20	1.08	697	1	0.01	39	600	14	<10	6	0.01	<10	<10	30	<10	170
P 20031	<1	2.42	0.2	30	270	<0.5	<2	0.11	<0.5	14	144	36	3.93	<10	0.16	10	1.19	651	<1	0.01	25	600	8	<10	6	0.02	<10	<10	51	<10	90
P 20032	3	3.00	0.4	20	290	<0.5	<2	0.10	<0.5	20	119	30	3.97	<10	0.14	20	1.13	440	1	0.02	27	350	10	<10	10	0.07	<10	<10	77	<10	100
P 20033	<1	1.65	0.2	10	200	<0.5	<2	0.04	<0.5	7	65	13	2.22	<10	0.24	20	0.81	296	<1	0.01	13	190	20	<10	5	0.07	<10	<10	27	<10	50
P 20034	<1	1.93	0.2	20	220	<0.5	<2	0.13	<0.5	11	164	24	2.94	<10	0.20	20	0.95	589	<1	0.02	19	560	24	<10	10	0.03	<10	<10	44	<10	70
P 20035	<1	3.00	0.2	20	260	<0.5	<2	0.08	<0.5	13	179	28	5.65	<10	0.19	20	1.69	501	<1	0.01	23	480	12	<10	8	0.05	<10	<10	77	10	100
P 20036	<1	2.66	0.2	30	280	<0.5	<2	0.23	<0.5	17	139	38	4.36	<10	0.25	30	1.74	697	<1	0.01	27	630	12	<10	12	0.10	<10	<10	68	10	100
P 20037	<1	2.25	0.2	10	230	<0.5	<2	0.19	<0.5	11	131	26	3.56	<10	0.13	20	1.06	424	<1	0.02	20	420	10	<10	12	0.10	<10	<10	65	<10	70
P 20038	4	2.01	0.2	10	220	<0.5	<2	0.19	<0.5	13	128	31	3.34	<10	0.15	20	1.10	359	<1	0.01	22	570	12	<10	10	0.07	<10	<10	48	<10	70
P 20039	3	2.18	0.2	30	250	<0.5	<2	0.14	<0.5	11	151	29	3.73	<10	0.17	10	0.96	401	<1	0.02	22	280	16	<10	10	0.09	<10	<10	58	<10	80
P 20040	3	3.20	0.2	10	380	<0.5	<2	0.15	<0.5	15	131	26	4.63	<10	0.17	20	1.65	540	<1	0.01	27	340	8	10	11	0.08	<10	<10	80	10	100

Certified by ....

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Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :
N

Sample description	Au FAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
P 28041 DLB6-1	2	2.60	0.2	20	90	<0.5	<2	0.14	<0.5	14	72	32	4.08	<10	0.06	20	1.54	602	<1	<0.01	25	260	10	<10	5	0.02	<10	<10	48	<10	100
P 28042 LAW	<1	3.08	0.2	10	120	<0.5	<2	0.13	<0.5	19	55	41	5.37	10	0.13	10	2.20	828	<1	0.01	20	500	14	<10	6	0.06	<10	<10	74	<10	100
P 28043	<1	2.44	0.2	10	120	<0.5	<2	0.15	<0.5	13	97	35	4.42	10	0.06	10	1.28	432	1	0.01	31	460	12	<10	7	0.05	<10	<10	72	<10	100
P 28044	<1	2.69	0.2	<10	140	<0.5	<2	0.20	<0.5	13	82	22	3.76	<10	0.05	10	1.17	421	<1	0.01	26	290	28	<10	10	0.08	<10	<10	76	<10	130
P 28045	<1	2.90	0.2	10	100	<0.5	<2	0.18	<0.5	15	103	44	4.41	10	0.08	10	1.75	572	<1	0.01	36	310	16	<10	7	0.01	<10	<10	72	<10	130
P 28046	<1	3.33	0.2	20	130	<0.5	<2	0.29	<0.5	18	127	32	5.27	10	0.09	20	2.31	777	<1	0.01	34	390	20	<10	11	0.02	<10	<10	93	<10	150
P 28047	7	1.46	0.2	10	160	<0.5	<2	0.17	<0.5	15	145	99	1.02	<10	0.03	20	0.11	144	<1	0.02	26	130	10	<10	80	0.02	<10	<10	124	<10	50
P 28048	6	1.75	0.2	<10	50	<0.5	<2	0.15	<0.5	9	48	58	3.71	<10	0.05	10	0.89	358	<1	0.01	9	180	<2	<10	60	0.01	<10	<10	182	<10	10
P 28049	5	1.56	0.2	<10	210	<0.5	<2	1.64	<0.5	26	51	113	6.37	10	0.18	20	0.41	1143	<1	0.02	16	1230	2	<10	121	0.01	<10	<10	175	<10	80
P 28050	9	2.07	0.2	<10	160	<0.5	<2	1.03	<0.5	21	28	130	5.55	10	0.21	10	0.88	1565	<1	0.02	13	1320	2	<10	60	0.01	<10	<10	97	<10	70
P 28052 Kalland Ck	1	2.06	0.2	<10	100	<0.5	<2	0.90	<0.5	10	39	34	3.02	10	0.11	10	0.58	232	<1	0.04	12	130	6	<10	61	0.06	<10	<10	70	<10	30
P 28053	2	1.86	0.2	10	130	<0.5	<2	0.44	<0.5	9	38	15	3.07	<10	0.16	10	0.41	279	<1	0.02	9	250	4	<10	42	0.08	<10	<10	69	<10	30
P 28054 AH'	6	1.27	0.2	<10	130	<0.5	<2	0.96	<0.5	7	27	28	2.26	<10	0.13	10	0.38	801	<1	0.06	11	700	4	<10	59	0.05	<10	<10	47	<10	60
P 28055 target	<1	1.51	0.2	<10	110	<0.5	<2	0.45	<0.5	8	63	11	2.48	<10	0.14	10	0.34	233	<1	0.03	10	90	2	<10	40	0.10	<10	<10	61	<10	20
P 28056	177	1.76	0.2	10	120	<0.5	<2	0.41	<0.5	17	55	66	4.81	<10	0.09	10	0.33	601	<1	0.01	16	340	2	<10	60	0.02	<10	<10	115	<10	50
P 28058	6	1.09	0.2	10	100	<0.5	<2	0.71	<0.5	7	38	20	2.53	<10	0.08	10	0.33	408	<1	0.05	10	670	4	<10	51	0.09	<10	<10	64	<10	40
P 28059 DLB6-2	2	1.52	0.2	10	140	<0.5	<2	0.77	<0.5	9	46	23	2.64	10	0.11	10	0.37	419	<1	0.04	16	210	4	<10	58	0.07	<10	<10	61	<10	30
P 28061	8	2.47	0.2	20	740	<0.5	<2	2.84	<0.5	23	61	119	4.51	20	0.19	<10	0.68	756	<1	0.04	21	710	8	<10	133	0.17	<10	<10	101	<10	60
P 28062	3	0.99	0.2	10	90	<0.5	<2	0.53	<0.5	8	31	20	2.27	<10	0.07	10	0.30	501	<1	0.04	8	530	4	<10	48	0.06	<10	<10	51	<10	30
P 28063	2	1.88	0.2	<10	100	<0.5	<2	0.31	<0.5	10	49	20	2.89	<10	0.14	10	0.40	258	<1	0.04	12	140	2	<10	40	0.07	<10	<10	69	<10	30
P 28064	2	1.22	0.2	<10	110	<0.5	<2	0.31	<0.5	6	47	11	2.11	<10	0.09	10	0.26	161	<1	0.03	10	80	4	<10	36	0.07	<10	<10	52	<10	20
P 28065	17	2.67	0.2	10	90	<0.5	<2	0.69	<0.5	16	49	85	4.55	10	0.04	10	0.43	332	1	0.06	13	200	<2	<10	23	0.10	<10	<10	106	<10	30
P 28066	9	2.30	0.2	10	90	<0.5	<2	0.62	<0.5	16	33	38	3.47	10	0.13	10	0.31	454	<1	0.07	11	250	2	<10	38	0.07	<10	<10	64	<10	20
P 28067	(324)/324	2.74	0.3	(3220)/3220	200	<0.5	<2	1.00	<0.5	46	33	314	13.72	20	0.21	20	0.37	152	97	0.06	6	1300	<2	<10	84	0.01	<10	<10	163	<10	10
P 28068	1	3.04	0.2	10	100	<0.5	<2	0.30	<0.5	9	39	36	2.95	<10	0.06	10	0.29	229	<1	0.04	12	120	4	<10	34	0.05	<10	<10	64	<10	20
P 28069	13	1.96	0.2	10	120	<0.5	<2	0.52	<0.5	12	44	39	3.42	10	0.20	20	0.43	325	<1	0.03	16	140	6	<10	42	0.08	<10	<10	69	<10	30
P 28070	34	2.45	0.2	10	150	<0.5	<2	0.28	<0.5	7	53	25	3.17	10	0.13	10	0.47	240	<1	0.03	13	150	4	<10	27	0.11	<10	<10	71	<10	30
P 28071	4	2.03	0.2	<10	130	<0.5	<2	0.53	<0.5	11	37	40	3.45	<10	0.08	10	0.40	440	<1	0.02	11	160	2	<10	42	0.05	<10	<10	77	<10	30
P 28072	3	1.73	0.2	<10	110	<0.5	<2	0.37	<0.5	10	43	33	2.71	<10	0.08	10	0.38	246	<1	0.03	15	110	6	<10	41	0.06	<10	<10	62	<10	30
P 28073	14	1.36	0.2	<10	90	<0.5	<2	0.34	<0.5	8	36	32	2.56	<10	0.13	20	0.34	375	<1	0.02	16	200	2	<10	43	0.04	<10	<10	54	<10	30
P 28074	<1	1.32	0.2	<10	120	<0.5	<2	0.28	<0.5	8	30	13	2.49	<10	0.09	10	0.33	241	<1	0.04	8	100	4	<10	29	0.07	<10	<10	59	<10	30
P 28075	3	1.50	0.2	<10	130	<0.5	<2	0.47	<0.5	8	49	13	2.36	<10	0.15	10	0.39	296	<1	0.03	11	190	4	<10	30	0.11	<10	<10	56	<10	30
P 28076	13	1.51	0.2	<10	150	<0.5	<2	0.40	<0.5	14	41	53	3.95	<10	0.07	10	0.32	448	<1	0.03	13	120	2	<10	42	0.05	<10	<10	91	<10	30
P 28077	18	1.83	0.2	<10	100	<0.5	<2	0.26	<0.5	21	48	74	4.92	<10	0.05	10	0.33	574	<1	0.04	14	180	<2	<10	41	0.02	<10	<10	118	<10	40
P 28078 V	38	1.74	0.2	10	190	<0.5	<2	0.53	<0.5	16	52	35	4.24	10	0.09	10	0.43	725	<1	0.04	17	380	6	<10	43	0.07	<10	<10	88	<10	40
P 28079	6	1.33	0.2	<10	160	<0.5	<2	0.92	<0.5	8	36	50	2.39	<10	0.11	20	0.49	333	<1	0.04	15	540	4	<10	58	0.09	<10	<10	52	<10	30
P 28101	8	1.95	0.2	10	320	<0.5	<2	0.75	<0.5	37	517	52	4.24	<10	0.08	10	2.71	921	<1	0.01	394	390	6	<10	26	0.06	<10	<10	75	<10	50
P 28102 Law	4	2.10	0.2	50	200	<0.5	<2	0.45	<0.5	32	703	40	4.13	<10	<0.01	10	2.90	815	<1	0.01	258	410	8	<10	17	0.04	<10	<10	71	<10	50
P 28103 KS 8L1	4	2.25	0.2	30	130	<0.5	<2	0.59	<0.5	26	100	65	5.78	10	0.05	50	1.37	897	<1	<0.01	77	2000	12	<10	17	<0.01	<10	<10	49	<10	80
P 28104	5	1.32	0.2	10	130	<0.5	<2	2.47	<0.5	15	74	60	4.07	10	0.11	40	0.72	804	<1	<0.01	64	830	10	<10	38	<0.01	<10	<10	15	<10	80

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CERTIFICATE OF ANALYSIS

TO : ARCHER CATHRO & ASSOC. (1981) LTD.
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Y1A 3S9

CERT. # : A8613317-003-A
INVOICE # : I8613317
DATE : 16-JUN-86
P.O. # : NONE
ALL NORTH NDR

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :
N

Sample description	Au AAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
P 28105	3	2.74	0.2	60	480	<0.5	<2	0.52	<0.5	27	417	60	4.98	10	0.15	20	1.70	935	<1	0.02	183	350	12	<10	26	0.06	<10	<10	96	<10	80	--
P 28106	10	2.45	0.2	10	390	<0.5	<2	0.35	<0.5	22	434	46	3.88	10	0.10	20	1.71	693	<1	0.02	210	300	14	<10	20	0.06	<10	<10	76	<10	60	--
P 28107	8	2.70	0.8	60	420	<0.5	<2	0.18	<0.5	32	328	238	6.01	10	0.25	20	1.09	1373	<1	0.01	136	600	4	<10	10	0.01	<10	<10	77	<10	110	--
P 28108	2	3.09	0.2	10	640	<0.5	<2	0.33	<0.5	21	197	44	4.00	10	0.20	20	1.10	815	1	0.03	83	190	14	<10	20	0.10	<10	<10	91	<10	70	--
P 28109	5	0.90	0.2	40	310	<0.5	<2	0.13	<0.5	17	259	101	3.50	<10	0.20	10	0.45	1300	1	0.01	138	370	2	<10	9	<0.01	<10	<10	37	<10	60	--
P 28110	6	1.26	0.2	10	360	<0.5	<2	0.28	<0.5	28	109	108	6.75	<10	0.24	10	0.52	1529	<1	0.01	96	730	10	<10	13	0.01	<10	<10	83	<10	100	--
P 28111	<1	3.28	0.2	30	240	<0.5	2	0.22	<0.5	29	498	20	4.55	<10	0.15	10	2.00	555	1	0.02	280	260	12	10	18	0.12	<10	<10	92	10	70	--
P 28112	4	3.26	0.2	10	340	<0.5	<2	0.20	<0.5	20	125	29	4.55	<10	0.08	20	1.09	414	<1	0.02	65	170	4	<10	18	0.09	<10	<10	103	<10	70	--
P 28113	<1	4.46	0.2	<10	200	<0.5	<2	0.15	<0.5	37	372	83	6.78	<10	<0.01	20	3.63	742	<1	0.01	160	130	<2	10	8	0.10	<10	<10	212	10	90	--
P 28114	2	1.30	0.2	20	250	<0.5	<2	0.21	<0.5	14	108	44	3.67	<10	0.26	50	0.19	475	1	0.01	47	210	12	<10	11	<0.01	10	<10	21	<10	60	--
P 28115	<1	0.99	0.2	30	180	<0.5	<2	1.88	<0.5	13	55	49	4.74	10	0.21	10	0.24	1203	1	0.02	13	730	4	<10	15	<0.01	<10	<10	36	10	90	--
P 28116	9	2.70	0.2	10	530	<0.5	<2	2.54	<0.5	37	495	32	5.99	10	0.52	20	2.82	1215	<1	0.01	263	700	10	10	54	0.17	<10	<10	131	20	90	--
P 28117	21	2.68	0.2	30	510	<0.5	<2	2.26	<0.5	37	394	51	5.86	10	0.24	10	1.79	1168	<1	0.02	272	590	8	<10	27	0.13	<10	<10	115	10	70	--
P 28118 KS-Be-1	2	1.98	0.2	10	450	<0.5	<2	0.96	<0.5	15	174	16	3.21	<10	0.16	20	0.78	813	<1	0.03	67	200	10	<10	42	0.08	<10	<10	74	<10	50	--
P 28119	70	1.13	0.2	60	360	<0.5	<2	0.23	<0.5	4	100	8	2.09	<10	0.27	70	0.10	444	1	<0.01	11	180	24	<10	14	<0.01	10	<10	3	<10	30	--
P 28120	2	0.99	0.2	<10	260	<0.5	<2	0.22	<0.5	4	79	5	2.28	<10	0.47	20	0.27	389	<1	0.03	7	610	16	<10	30	0.04	<10	<10	8	<10	60	--
P 28121 Lava	22	1.67	0.2	10	420	<0.5	<2	0.27	<0.5	11	78	19	3.20	<10	0.24	20	0.29	407	<1	0.01	23	170	16	<10	21	0.01	<10	<10	28	<10	60	--
P 28122	21	1.71	0.2	10	570	<0.5	<2	0.43	<0.5	11	82	13	2.72	<10	0.13	30	0.43	419	<1	0.02	20	260	14	<10	22	0.06	<10	<10	44	<10	40	--
P 28123	19	0.88	0.2	20	440	<0.5	<2	0.15	<0.5	4	116	4	1.69	<10	0.27	40	0.15	181	<1	0.03	12	140	14	<10	11	0.01	<10	<10	12	<10	20	--
P 28124	4	0.78	0.2	<10	230	<0.5	<2	0.08	<0.5	3	105	<1	1.25	<10	0.46	20	0.26	194	<1	0.02	5	170	14	<10	9	0.01	<10	<10	3	<10	30	--
P 28125	2	0.72	0.2	<10	350	<0.5	<2	0.07	<0.5	2	124	4	1.11	<10	0.30	40	0.13	153	<1	0.03	5	170	22	<10	8	<0.01	<10	<10	4	<10	40	--
P 28126	5	1.12	0.2	<10	360	<0.5	<2	0.19	<0.5	4	151	3	1.59	<10	0.42	30	0.23	259	1	0.03	9	170	22	<10	19	0.02	<10	<10	15	<10	40	--
P 28127	9	0.83	0.2	<10	850	<0.5	<2	0.19	<0.5	8	61	12	1.64	<10	0.36	50	0.34	494	<1	0.01	14	490	26	<10	14	0.01	<10	<10	9	<10	70	--
P 28128	7	2.72	0.2	20	450	<0.5	<2	0.22	<0.5	23	332	42	4.37	<10	0.07	30	1.33	623	<1	0.02	182	220	12	<10	23	0.09	<10	<10	89	10	80	--
P 28129	4	2.23	0.2	30	290	<0.5	<2	0.15	<0.5	14	193	39	3.87	<10	0.13	20	0.62	312	<1	0.02	51	190	6	<10	14	0.05	<10	<10	68	<10	60	--
P 28130	5	3.88	0.4	<10	410	<0.5	<2	0.27	<0.5	70	881	69	8.67	<10	<0.01	10	4.09	2679	<1	<0.01	490	1220	<2	10	15	0.04	<10	<10	176	20	90	--
P 28131	3	4.55	0.2	<10	350	<0.5	<2	1.64	<0.5	73	972	57	7.39	<10	1.20	10	5.41	544	<1	0.01	502	500	<2	10	72	0.25	<10	<10	244	20	90	--
P 28132	12	3.12	0.2	<10	750	<0.5	<2	2.89	<0.5	44	777	39	5.63	<10	0.07	<10	4.41	1056	<1	0.01	357	720	<2	10	100	0.23	<10	<10	179	20	70	--
P 28133	<1	2.60	0.2	10	230	<0.5	2	0.67	<0.5	37	556	79	3.92	<10	0.28	20	2.25	441	<1	<0.01	396	380	14	10	38	0.05	<10	<10	87	10	80	--
P 28134	4	2.54	0.2	20	360	<0.5	<2	0.70	<0.5	24	292	39	4.16	<10	0.09	20	1.68	707	<1	0.02	132	690	8	<10	29	0.15	<10	<10	100	10	70	--
P 28135	1	3.63	0.2	30	320	<0.5	2	0.54	<0.5	27	455	54	6.22	<10	0.19	20	2.10	795	<1	0.01	171	770	8	10	21	0.12	<10	<10	88	10	70	--
P 28136	<1	2.36	0.2	10	190	<0.5	2	5.66	<0.5	37	700	47	5.80	20	0.46	<10	2.80	1006	<1	<0.01	521	460	14	10	63	0.06	<10	<10	127	30	70	--
P 28137	5	2.04	0.2	60	450	<0.5	<2	0.26	<0.5	36	562	56	5.04	<10	0.15	20	1.34	1426	<1	0.01	341	510	6	<10	10	<0.01	<10	<10	67	10	70	--
P 28138	40	4.06	0.2	<10	200	<0.5	<2	0.89	<0.5	48	235	78	7.33	10	0.31	10	3.24	1519	<1	0.01	77	1220	<2	10	15	0.04	<10	<10	207	20	90	--
P 28139	4	3.62	0.2	<10	240	<0.5	<2	0.71	<0.5	42	325	78	5.71	<10	0.06	10	2.39	943	<1	0.02	148	550	<2	10	23	0.26	<10	<10	167	10	70	--
P 28140	14	0.83	0.2	70	320	<0.5	<2	6.85	<0.5	33	121	134	6.53	20	0.11	<10	0.19	1606	<1	<0.01	123	890	8	<10	10	<0.01	<10	<10	157	20	90	--
P 28141	60	1.07	0.2	20	190	<0.5	<2	0.35	<0.5	32	155	141	7.05	<10	0.08	30	0.46	1452	<1	0.01	120	1170	2	<10	12	<0.01	<10	<10	96	10	120	--
P 28142	10	1.70	0.2	10	380	<0.5	<2	0.25	<0.5	18	78	110	5.29	<10	0.05	10	0.49	548	<1	0.01	24	320	<2	<10	13	0.04	<10	<10	94	10	70	--
P 28143	6	0.60	0.2	20	240	<0.5	<2	0.07	<0.5	11	220	59	3.10	<10	0.20	20	0.07	1030	2	0.01	41	500	6	<10	7	<0.01	<10	<10	10	<10	60	--
P 28144	3	2.93	0.2	10	90	<0.5	2	0.05	<0.5	34	409	43	5.18	<10	<0.01	10	2.44	687	<1	<0.01	264	180	2	<10	3	0.01	<10	<10	105	10	70	--

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Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Ti, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :
N

CERTIFICATE OF ANALYSIS

TO : ARCHER CATHRO & ASSOC. (1981) LTD.
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CERT. # : A8613317-004-A
INVOICE # : I8613317
DATE : 16-JUN-86
P.O. # : NONE
ALL NORTH NDR

Sample description	Au AAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
P 28148	<1	5.42	0.2	<10	1010	<0.5	<2	3.61	<0.5	75	1226	30	6.32	10	0.55	<10	0.73	857	<1	0.01	869	30	22	10	220	0.25	<10	<10	199	30	290	—
P 28149	<1	2.35	0.2	20	600	<0.5	4	0.81	<0.5	40	791	67	4.60	<10	0.56	20	2.30	753	1	0.01	370	360	20	<10	42	0.06	<10	<10	86	10	110	—
P 28150	11	0.97	0.2	100	360	<0.5	<2	0.15	<0.5	44	198	123	8.40	<10	0.10	20	0.19	1468	1	0.01	305	680	2	<10	12	<0.01	<10	<10	65	10	120	—
P 28151	14	3.24	0.2	10	250	<0.5	<2	5.73	<0.5	45	186	66	7.00	<10	0.53	<10	2.47	1214	<1	0.03	78	1040	<2	10	98	0.47	<10	<10	203	30	100	—
P 28152	6	3.64	0.2	10	120	<0.5	<2	0.23	<0.5	46	251	71	7.64	<10	0.03	10	2.58	1584	<1	0.01	86	800	<2	10	8	0.02	<10	<10	210	20	100	—
P 28153	<1	1.06	0.2	10	220	<0.5	<2	2.62	<0.5	32	456	55	5.77	10	0.13	10	0.63	1340	2	0.02	279	660	4	<10	25	0.01	<10	<10	87	<10	80	—
P 28154	<1	1.85	0.2	30	270	<0.5	2	0.27	<0.5	26	371	50	4.12	<10	0.14	10	1.20	658	1	0.01	232	390	22	<10	18	0.08	<10	<10	78	<10	90	—
P 28155	<1	1.60	0.4	10	250	<0.5	<2	0.16	<0.5	14	391	39	3.15	<10	0.10	10	0.65	374	<1	0.01	84	270	8	<10	11	0.06	<10	<10	50	<10	60	—
P 28156	3	1.74	0.2	50	370	<0.5	2	0.27	<0.5	25	354	81	4.43	<10	0.12	20	1.20	897	<1	0.01	158	630	6	<10	13	<0.01	<10	<10	61	<10	90	—
P 28157	3	2.00	0.2	10	130	<0.5	2	0.47	<0.5	12	172	31	3.38	<10	0.14	20	0.45	400	<1	0.00	19	210	4	<10	57	0.08	<10	<10	75	<10	30	—
P 28158	3	1.54	0.2	10	160	<0.5	<2	0.54	<0.5	10	88	27	2.84	<10	0.16	10	0.41	421	<1	0.05	15	170	2	<10	50	0.09	<10	<10	67	<10	30	—
P 28159	<1	2.04	0.2	10	250	<0.5	<2	0.72	<0.5	11	283	18	3.07	<10	0.21	10	0.50	482	<1	0.13	17	220	3	<10	68	0.13	<10	<10	73	<10	40	—
P 28160	<1	1.65	0.2	10	170	<0.5	<2	0.71	<0.5	10	115	27	2.99	<10	0.18	10	0.48	375	<1	0.06	15	200	<2	<10	62	0.10	<10	<10	78	<10	30	—
P 28161	<1	1.95	0.2	20	140	<0.5	<2	0.75	<0.5	14	184	47	4.07	<10	0.08	10	0.49	514	<1	0.07	17	160	<2	<10	54	0.10	<10	<10	100	<10	40	—
P 28162	14	2.78	0.2	20	180	<0.5	<2	1.20	<0.5	19	98	73	4.43	10	0.11	10	0.69	741	<1	0.09	19	240	<2	<10	64	0.04	<10	<10	106	<10	30	—
P 28163	6	2.46	0.2	10	220	<0.5	<2	1.00	<0.5	18	114	70	4.28	<10	0.13	10	0.58	1015	<1	0.06	18	220	<2	<10	51	0.08	<10	<10	96	<10	40	—
P 28164	3	1.43	0.2	10	120	<0.5	<2	1.06	<0.5	10	79	48	2.81	<10	0.07	10	0.46	385	<1	0.07	17	380	2	<10	69	0.07	<10	<10	64	<10	30	—
P 28165	<1	2.73	0.2	10	170	<0.5	<2	0.94	<0.5	17	174	32	4.27	<10	0.16	10	0.69	581	<1	0.07	17	240	<2	<10	53	0.10	<10	<10	105	<10	40	—
P 28166	6	1.24	0.2	30	170	<0.5	<2	1.27	<0.5	12	91	42	3.65	<10	0.08	10	0.45	742	<1	0.10	16	580	2	<10	67	0.06	<10	<10	59	<10	30	—
P 28167	<1	1.39	0.2	60	140	<0.5	<2	1.01	<0.5	11	156	21	2.57	<10	0.14	10	0.44	340	<1	0.06	20	230	2	<10	51	0.09	<10	<10	52	<10	30	—
P 28168	5	1.98	0.2	10	160	<0.5	<2	1.25	<0.5	15	96	33	3.50	<10	0.14	10	0.65	878	<1	0.09	15	790	2	<10	74	0.07	<10	<10	85	<10	40	—
P 28169	3	1.96	0.2	20	140	<0.5	<2	0.83	<0.5	14	166	39	3.18	<10	0.09	10	0.62	726	<1	0.04	18	290	<2	<10	44	0.11	<10	<10	74	<10	50	—
P 28170	3	2.70	0.2	20	200	<0.5	<2	1.23	<0.5	19	86	60	4.66	10	0.19	10	0.82	824	<1	0.05	20	660	2	<10	63	0.09	<10	<10	114	<10	50	—
P 28171	11	3.03	0.2	30	170	<0.5	<2	1.42	<0.5	24	134	123	6.96	10	0.21	10	1.03	1184	<1	0.10	25	380	<2	<10	62	0.11	<10	<10	123	<10	50	—
P 28172	10	2.89	0.2	20	100	<0.5	<2	1.32	<0.5	24	80	126	5.54	10	0.10	10	1.04	1090	<1	0.05	25	470	<2	<10	50	0.03	<10	<10	123	<10	50	—
P 28173	<1	1.70	0.2	10	100	<0.5	<2	0.45	<0.5	9	187	20	2.72	<10	0.10	10	0.38	242	<1	0.06	12	170	2	<10	35	0.10	<10	<10	66	<10	30	—
P 28174	<1	2.07	0.2	10	160	<0.5	<2	0.70	<0.5	14	217	65	3.43	<10	0.09	10	0.49	556	<1	0.09	19	190	<2	<10	44	0.12	<10	<10	83	<10	30	—
P 28175	<1	1.82	0.2	10	100	<0.5	<2	0.50	<0.5	10	96	22	3.05	<10	0.06	10	0.40	269	<1	0.05	12	160	<2	<10	33	0.12	<10	<10	75	<10	40	—
P 28176	<1	1.87	0.2	10	110	<0.5	<2	0.57	<0.5	9	206	32	2.90	<10	0.07	10	0.47	360	<1	0.06	16	150	2	<10	41	0.11	<10	<10	78	<10	30	—
P 28177	4	1.72	0.2	20	140	<0.5	<2	0.57	<0.5	10	107	17	2.74	<10	0.15	10	0.40	419	<1	0.06	16	190	4	<10	51	0.09	<10	<10	60	<10	30	—
P 28178	47	1.89	0.2	10	140	<0.5	<2	0.69	<0.5	14	84	43	3.41	<10	0.07	20	0.46	515	<1	0.05	24	190	2	<10	59	0.07	<10	<10	79	<10	40	—
P 28179	<1	3.04	0.2	<10	180	<0.5	<2	0.78	<0.5	15	76	22	4.13	<10	0.10	10	0.67	365	<1	0.06	15	190	<2	<10	48	0.13	<10	<10	107	<10	60	—
P 28180	<1	1.75	0.2	10	140	<0.5	<2	0.67	<0.5	8	153	15	2.55	<10	0.15	10	0.48	251	<1	0.06	15	330	2	<10	42	0.15	<10	<10	64	<10	30	—
P 28181	<1	0.95	0.2	<10	100	<0.5	<2	0.32	<0.5	3	63	9	1.47	<10	0.08	<10	0.22	153	<1	0.03	8	190	<2	<10	24	0.07	<10	<10	35	<10	20	—
P 28182	3	1.98	0.2	10	200	<0.5	<2	0.64	<0.5	12	185	17	2.71	<10	0.16	10	0.49	558	<1	0.06	18	310	2	<10	44	0.17	<10	<10	67	<10	70	—
P 28183	<1	1.91	0.2	<10	150	<0.5	<2	0.57	<0.5	11	80	20	2.86	<10	0.15	10	0.46	368	<1	0.04	17	190	2	<10	44	0.13	<10	<10	70	<10	30	—
P 28184	<1	2.16	0.2	10	240	<0.5	<2	0.90	<0.5	12	147	25	3.09	<10	0.11	20	0.63	554	<1	0.06	20	320	2	<10	54	0.16	<10	<10	73	<10	50	—
P 28185	<1	2.08	0.2	<10	200	<0.5	<2	0.73	<0.5	10	119	16	2.81	<10	0.17	10	0.51	386	<1	0.09	16	250	4	<10	52	0.16	<10	<10	67	<10	30	—
P 28186	2	2.07	0.2	10	210	<0.5	<2	0.76	<0.5	12	133	22	3.22	<10	0.29	10	0.57	529	<1	0.05	17	470	2	<10	57	0.17	<10	<10	70	<10	50	—
P 28187	<1	2.25	0.2	10	210	<0.5	<2	0.65	<0.5	14	80	35	3.24	<10	0.17	10	0.62	595	<1	0.04	23	300	2	<10	41	0.15	<10	<10	84	<10	40	—

Certified by .

ARCHER, CATHRO
& ASSOCIATES LIMITED

CONSULTING GEOLOGICAL ENGINEERS

VANCOUVER, B.C. (604) 688-2568

BOX 4127, WHITEHORSE, Y.T. Y1A 3S9 (403) 667-4415

1016 - 510 WEST HASTINGS STREET
VANCOUVER, B.C. V6B 1L8

AFFIDAVIT

I, Joan Mariacher, of Vancouver, B.C. make oath and say:

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the Law 1-12 mineral claims on Claim Sheet 1150/15 is accurate.

Joan Mariacher

Sworn before me at Vancouver, B.C.

this 24th day of

April, 1987

Notary, Yukon Territory

Statement of Expenditures
Law 1 - 12 Mineral Claims
April 23, 1987

Labour

R.Carne (geologist) - May 29, 1986 - 1 day at $270/day		$ 270.00
K. Sax (helper) - May 29, 1986 - 1 day at $119/day		119.00
D. Lister (helper) - May 29, 1986 - 1 day at $106/day		106.00
C. Main (geologist) - Feb. 11, 1987 - 1 day report at $285/day		285.00
		780.00

Expenses

Field room and board - 3 mandays at $60/day	$ 180.00	
Chemex Labs - 152 samples for Au and ICP	1,937.93	2,117.93
		$2,897.93

M - MARG
R - [illegible]
L - LIVINGSTONE
S - SPOCK Co

In Account With

Project - ALL-NORTH RES. LTD
Date - - MAY 31, 1986

LAW - [illegible]
NDR = NEW DAWSON RANGE
G = general

			Total
MANAGEMENT			
A. Archer - 1 hr office	50.00	G	
R. Carlson - 21 hr " (200 L, 300 M, 100 R, 50 L, 50 S, 350 G)	1050.00		
			1100.0
LABOUR			
~~Supervisory~~			
R. Carne - 10 days office compilation and field ($1485 ~~NDR~~ 1215 LAW)	2700.		
~~Field~~ D. LISTER - 5 days @ 106	530.	LAW	
K. SAX - 6 days @ 119	714.	LAW	
			3944.0
plus %			
Casual			
M. Cook - 3 hrs office @ 22.35/hr.	67.05	G	
			67.05
EXPENSES			
Accounting / Expediting } Jim [illegible] - 9 hrs Vancouver office @ 30.25 plus 5 1/4 hr Whitehorse @ $35/hr	460.50	G	
Room & Board in Whse 7 days @ $60/d	420.00	LAW	DV
total days at $ /day			
Field equipment from AC stock	246.32	LAW	D1
Xerox copies, 176 copies at 25¢/copy	44.00	G	C1
Radio rental			
Rental AC truck at $ /mo.			
plus (to) kms at /km			
Petty cash $8+	8.00	G	CV
Telephone 6.08 + 18.40 + 24.46	48.94	G	CV
Blueprinting, sq. ft. Ozalid at c/ft. plus sq. ft. Dilar at $ /ft.			
Drafting, hrs. at $ /hr.			
Euroworld Travel, employees Van to Whse	511.10	G	D3
R. Carne expenses, May 21	122.11	LAW	CV
Receiver General, second Spock 1-4	45.50	S	F
CP Air exp.	22.00	G	D3
Motorways	16.00	G	D3
Rec. Gen.	12.00	LAW	CV
M. Phillips expenses - C2	1.00	G	CV
Durham Equip.	13.14	G	D1
			1970.6
			7081.6
Credit			
overcharge Euroworld Travel	(90.95)	G	D3
overcharge Clemco drilling, AC " "	(3.00)	G	E
			(93.9
Total			6987.

In Account With

M = MARG
LAW = LAW
G = GEN
R = RWLH

Project - ALL-NORTH RES. LTD
Date -- FEB 28, 1987

		Total
MANAGEMENT, CONSULTING FEES		
R. CARTER - 65 hrs @ 55/h. (55R, 990 M, 110 LAW, 2420 G)	3575.00	
		3575.00
LABOUR		
Field		
D. BATON - 3½ days @ 285/d	997.50	M
R. CRANE - 2 days @ 285/d	570.00	M
C. MAIN - 4 day @ 285/d (285 LAW, 570 M, 285 G)	1140.00	
Secretarial		2707.50
M. COOKE - 53 hrs @ 22.35/h (690.50 M, 145.28 LAW, 368.77 G)	1184.55	
Accounting & Expediting		
J. MARINCHER - 4 1/4 hrs @ 29.30	124.53	G
		1309.08
EXPENSES		
Xerox copies, copies at 25 / copy (144.75 M, 49.25 G, 46 LAW)	240.00	
Petty cash		
Telephone 17.49 G, 18.06 G	35.55	
Blueprinting, sq. ft. Ozalid at c/ft plus sq. ft Dilar at $ /ft	58.41 *	
Drafting, 84 hrs at $ 28 /hr. (980 M, 294 LAW, 1078 G)	2352.00	
Vancouver Reprographics	17.09	G
Computer Charges	11.85	G
		2714.90
Total		10,306.48

* 44.58 M, 13.83 G)

Chemex Labs Ltd.

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
Telex: 043-52597

Analytical Chemists • Geochemists • Registered Assayers

*** INVOICE ***

o : ARCHER CATHRO & ASSOC. (1981) LTD.
BOX 4127
3125 THIRD AVE.
WHITEHORSE, Y.T.
Y1Z 3S9

Invoice # : I8613317
Date : 16-JUN-86
P.O. # : NONE
Project ALL NORTH NDR

Invoice for analytical work reported on certificate(s) A8613317-001 to -006

Quantity	Analysed for code	description		unit price	amount
230	101	- Au NAA	ppb		
	921	- Al	%		
	922	- Ag	ppm		
	923	- As	ppm		
	924	- Ba	ppm		
	925	- Be	ppm		
	926	- Bi	ppm		
	927	- Ca	%		
	928	- Cd	ppm		
	929	- Co	ppm		
	930	- Cr	ppm		
	931	- Cu	ppm		
	932	- Fe	%		
	933	- Ga	ppm		
	934	- K	%		
	935	- La	ppm		
	936	- Mg	%		
	937	- Mn	ppm		
	938	- Mo	ppm		
	939	- Na	%		
	940	- Ni	ppm		
	941	- P	ppm		
	942	- Pb	ppm		
	943	- Sb	ppm		
	944	- Sr	ppm		
	945	- Ti	%		
	946	- Tl	ppm		
	947	- U	ppm		
	948	- V	ppm		
	949	- W	ppm		
	950	- Zn	ppm	13.00	2990.00
Sample preparation and other charges :					
230	203	- -35 mesh sieve + ring		2.25	517.50
230	238	- ICP aqua-regia digestion		0.00	0.00
				TOTAL	$ 3507.50
				Discount (10 %)	$ 350.75
				Please pay this amount ---->	$ 3156.75

Law - 46.
53
38
137

137/230 = 60% = 1880.32

All North - (93) - Purkland Creek area.
(including Stock claims)

Law - 1880.33
from - 1176

TERMS -- NET 30 DAYS
1.5 % per month (18 % per annum) charged on overdue accounts

VOI rev. 4/

Chemex Labs Ltd.

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
Telex: 043-52597

Analytical Chemists • Geochemists • Registered Assayers

*** INVOICE ***

o : ARCHER CATHRO & ASSOC. (1981) LTD.
BOX 4127
3125 THIRD AVE.
WHITEHORSE, Y.T.
Y1Z 3S9

Invoice # : I8613321
Date : 16-JUN-86
P.O. # : NONE
Project

Invoice for analytical work reported on certificate(s) A8613321-001

Quantity	Analysed for code	description		unit price	amount
25	101	- Au NAA	ppb		
	921	- Al	%		
	922	- Ag	ppm		
	923	- As	ppm		
	924	- Ba	ppm		
	925	- Be	ppm		
	926	- Bi	ppm		
	927	- Ca	%		
	928	- Cd	ppm		
	929	- Co	ppm		
	930	- Cr	ppm		
	931	- Cu	ppm		
	932	- Fe	%		
	933	- Ga	ppm		
	934	- K	%		
	935	- La	ppm		
	936	- Mg	%		
	937	- Mn	ppm		
	938	- Mo	ppm		
	939	- Na	%		
	940	- Ni	ppm		
	941	- P	ppm		
	942	- Pb	ppm		
	943	- Sb	ppm		
	944	- Sr	ppm		
	945	- Ti	%		
	946	- Tl	ppm		
	947	- U	ppm		
	948	- V	ppm		
	949	- W	ppm		
	950	- Zn	ppm	13.00	325.00
Sample preparation and other charges :					
25	205	- Rock geochem - RING		2.75	68.75
25	238	- ICP aqua-regia digestion		0.00	0.00

16% LAW = $56.70

(4 samples - LAW (A) ... Spod etal ...)

Law - 56.70
Spod - 297.67

TOTAL	$ 393.75
Discount (10 %)	$ 39.38
Please pay this amount ---->	$ 354.37 ✓

TERMS -- NET 30 DAYS

VOI rev. 4/85

1.5 % per month (18 % per annum) charged on overdue accounts