

ARBOR RESOURCES LTD.

REPRESENTATION REPORT FOR REGIONAL PROSPECTING:
GEOLOGICAL MAPPING AND GEOCHEMICAL SAMPLING
ON THE ZIP 1 TO 40 MINERAL CLAIMS

DAWSON MINING DISTRICT; YUKON TERRITORY

NTS 115 O/14H

091856

BY

R. A. GONZALEZ, M.Sc., F.G.A.C., P.ENG.

ARCHEAN ENGINEERING LIMITED

AUGUST, 1986

LOCATION: 63° 58' NORTH LATITUDE: 139° 16' WEST LONGITUDE
OWNER: WILLIAM T. DAWSON
OPERATOR: ARBOR RESOURCES LTD.
CONSULTANT: ARCHEAN ENGINEERING LTD.
PROJECT GEOLOGIST: PERRY GRUNENBERG, B.Sc
DATES OF WORK: 28 MAY TO 31 JULY 1986



091856



ARCHEAN ENGINEERING 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 \$ 4600.00.

D. D. Emond

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

REPRESENTATION REPORT FOR REGIONAL PROSPECTING:**GEOLOGICAL MAPPING AND GEOCHEMICAL SAMPLING****ON THE ZIP 1 TO 40 MINERAL CLAIMS****DAWSON MINING DISTRICT; YUKON TERRITORY****NTS 115 0/14H****SUMMARY**

In late 1985, ARBOR RESOURCES LTD. optioned 40 full-size claims (ZIP 1-40) in the Klondike Gold Camp of northwestern Yukon Territory, approximately 12 km southeast of Dawson City. These claims were staked adjacent to some of the most productive placer gravel deposits in the Klondike.

The geology of the claims indicates that the area is underlain by Klondike Schist which is considered to be genetically related to the source of gold. The origin of the gold has long been debated because few sizeable, rich, primary gold-bearing deposits have ever been found in the district. Since the turn of the century it has been assumed that the gold came from quartz deposits near the headwaters of the main drainages but a recent re-interpretation of the district indicates four possible sources: 1) a relatively high-grade, undiscovered, and probably stratiform, sulfide-rich (pyritiferous schist) deposit; 2) low-grade, secondary, younger, narrow quartz veins which are abundant in the Klondike Schist; 3) chemical precipitation within the active stream channels; and 4) hydrothermal veining of possible Tertiary age along the leading edge of thrust plates.

An airborne geophysical survey completed in 1984 indicates that the area underlying the claims has a potential for hosting lode mineralization. During the early part of the 1986 field season, the area was geologically mapped, prospected, and geochemically sampled. Although geologic mapping indicates that the claims are underlain by rocks believed to be genetically related to the occurrence of gold in the region no gold mineralization has yet been discovered on the claims. Furthermore, preliminary geochemical sampling failed to detect any elevated metal values underlying the area sampled.

TABLE OF CONTENTS

	Page
SUMMARY	i
TABLE OF CONTENTS	ii
FIGURES AND TABLES	ii
1. INTRODUCTION	1
1.1 LOCATION AND ACCESS	1
1.2 PHYSIOGRAPHY AND CLIMATE	1
1.3 CLAIM INFORMATION	5
1.4 HISTORY AND PREVIOUS PRODUCTION	7
1.5 PREVIOUS WORK	8
2. GEOLOGY	9
2.1 GENERAL GEOLOGY	9
2.2 PROPERTY GEOLOGY	11
2.3 ECONOMIC GEOLOGY AND DISCUSSION	11
3. GEOCHEMISTRY	14
3.1 SOIL SAMPLING	14
4. CONCLUSIONS	15
5. REFERENCES	16
6. STATEMENT OF PROFESSIONAL QUALIFICATIONS	17
7. COST STATEMENT	18
APPENDIX A: GEOCHEMICAL RESULTS	20

FIGURES AND TABLES

Figure 1	LOCATION MAP	3
Figure 2	CLAIM MAP	4
Figure 2A	LOCATION OF SOIL SAMPLE LINES	4a
Figure 3	GENERAL GEOLOGY OF THE KLONDIKE	10
Figure 4	PROPERTY GEOLOGY	13
Table I	CLAIM STATUS	6

1.0 INTRODUCTION

During May, 1984 a fixed-wing INPUT electromagnetic and magnetic survey was completed over the area now covered by the ZIP 1 to 40 CLAIMS and held under option to ARBOR RESOURCES LTD. This report is based on 12 man days of field work done on June 5th and July 16th and 17th, 1986 undertaken with the objective of carrying out geological mapping and geochemical sampling of soils in order to evaluate the claims and provide a basis for additional work. Geologists in the field were P. Grunenberg, S. Tomlinson, and J. Boshier assisted by E. Timoshenko. Mapping was carried out by chain and compass and a 1:5,000 scale topographic map.

1.1 LOCATION AND ACCESS

Dawson City is, and has been since early gold rush days of 1897 and 1898, the principal population and supply centre of northwestern Yukon. Until 1953 it was the territorial capital. It can be reached via the two-lane, mostly gravelled, Klondike Highway from Whitehorse on the Alaska Highway, a distance of 535 km (333 miles). Dawson City is served by scheduled flights of Trans Northern Airways from Whitehorse where connections to Vancouver or Edmonton are available.

The ZIP 1 to 40 Mineral Claims are located 12 km (8 miles) southeast of Dawson City in the Klondike Mining District. The claims are located in the Bear Creek drainage, a north flowing tributary of the Klondike River (Figures 1 and 2). Relief is on the order of 580 metres (1900 feet) with elevations ranging from 640 metres (2100 feet) to 1220 metres (4000 feet). Terrestrial co-ordinates for the centre of the claim block are as follows:

63° 58' North Latitude
139° 16' West Longitude
N.T.S. 115 O/14H
Dawson Mining District

Excellent access to the property is provided by a well-maintained, all-weather, graded gravel road along the Klondike River which connects with a low-maintenance gravel road along Bear Creek Valley.

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 has been described as a typical example of a thoroughly

dissected upland which was elevated at one period in its history 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 of from 150 metres (500 ft.) to 200 metres (700 ft.). Portions of the old valley-bottoms, still covered with thick accumulations of gravel forming terraces of varying width, bordering the newer valleys (McConnell, 1905; also, G.S.C. Mem. 284, 1957). Today, the valleys are flat and wide in their lower reaches, but gradually narrowing toward their head waters into steep-sided gulches ending in broad, amphitheater-shaped bowls.

Locally within the Klondike region, 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. 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 and drainage high point known as King Solomon Dome, located approximately 32 km (20 miles) southeast of Dawson City.

ARBOR RESOURCES LTD.

ZIP CLAIMS

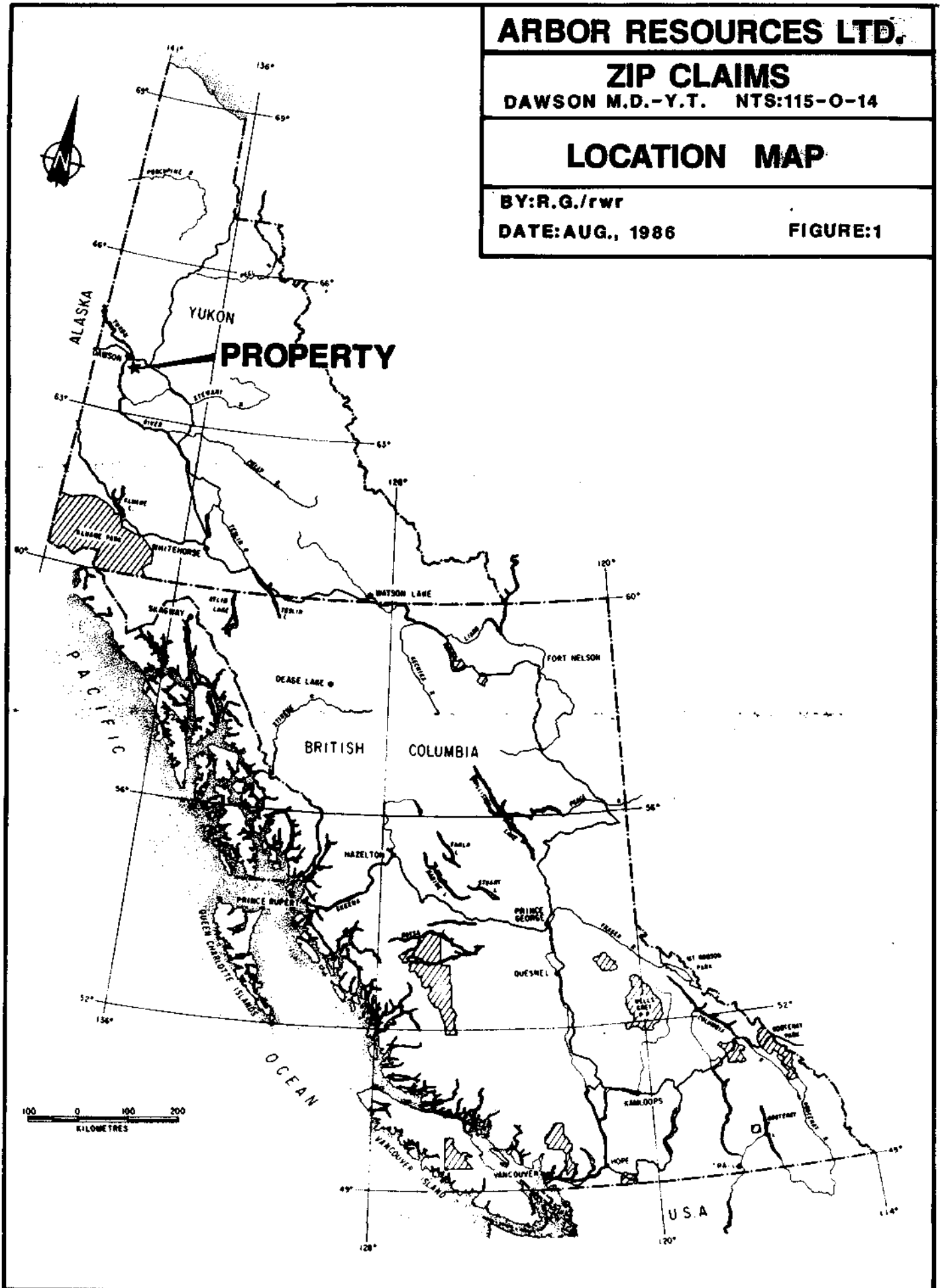
DAWSON M.D.-Y.T. NTS:115-O-14

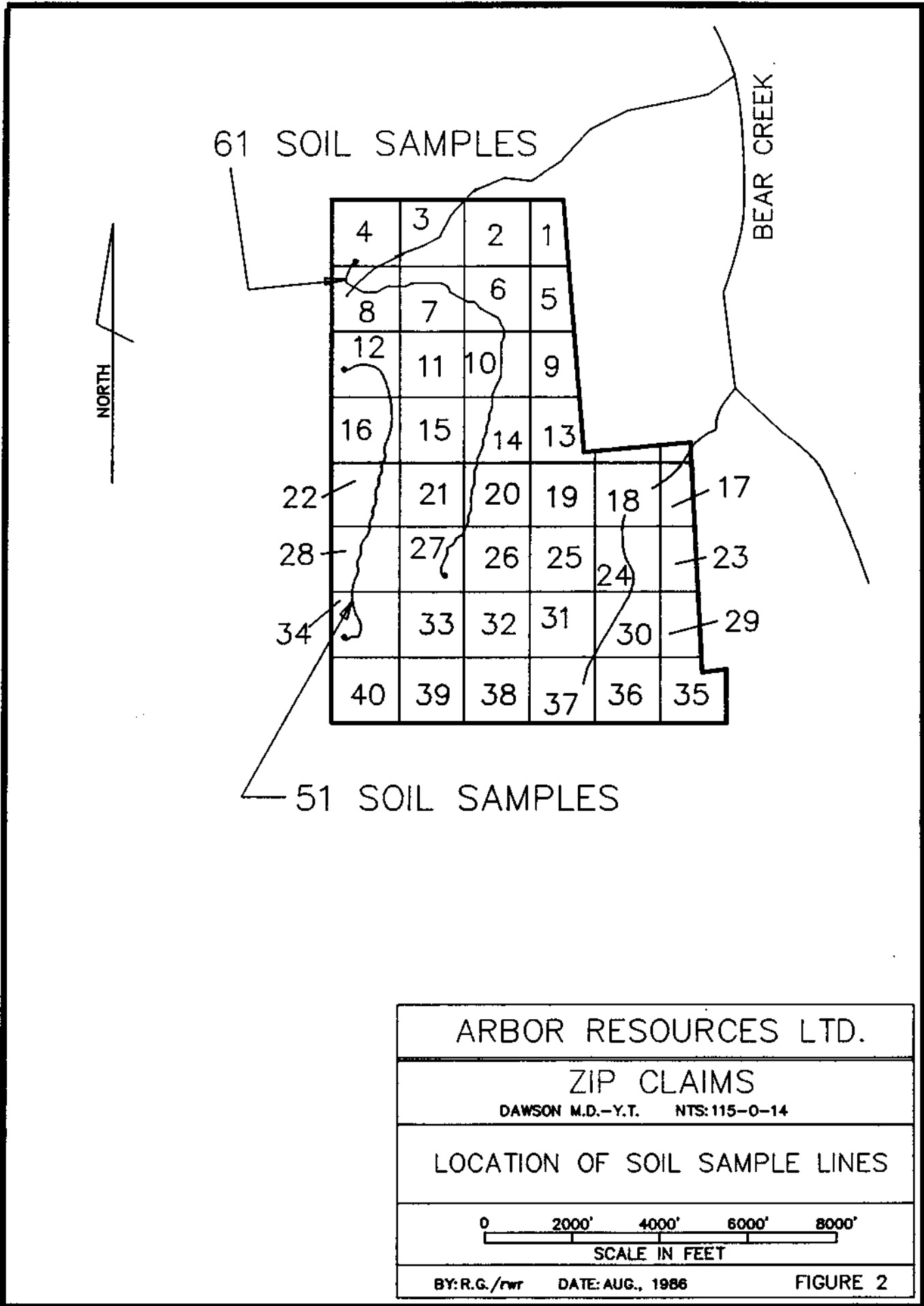
LOCATION MAP

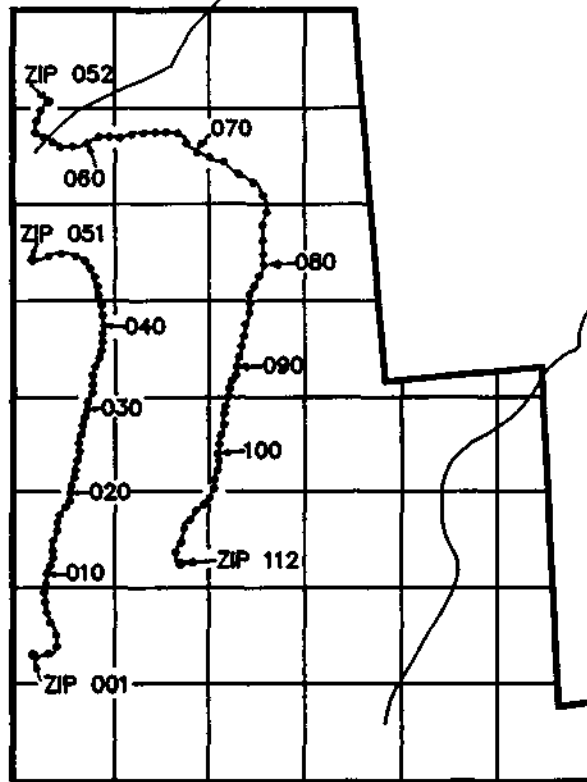
BY:R.G./rwr

DATE:AUG., 1986

FIGURE:1







LEGEND:

ZIP 001 . SOIL SAMPLE LOCATION

ARBOR RESOURCES LTD.			
ZIP CLAIMS			
DAWSON M.D.-Y.T.		NTS:115-0-14	
LOCATION OF SOIL SAMPLE LINES			
0 2000' 4000' 6000' 8000'			
SCALE IN FEET			
BY: R.G./rwr		DATE: AUG., 1986	FIGURE 2A

REVISED OCT., 1986

The Klondike proper occupies an area of approximately 30 by 60 km (18 by 37 miles) its long axis extending southeasterly from Dawson City which is situated at the northwestern apex of the main gold producing region. Elevations within the Klondike range from 320 metres (1050 ft.) at Dawson City to 1295 metres (4048 ft.) at the top of King Solomon Dome, a span of approximately 915 metres (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, often worn into fantastic shapes, occasionally project above the 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 in.) 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 consists of 40 claims covering an area of approximately 925 hectares. Claim information is listed in TABLE I below:

TABLE I
CLAIM STATUS

CLAIM NAME	RECORD NO.	DATE CLAIM RECORDED
Zip 1	YA 84428	8 August 1984
Zip 2	YA 84429	8 August 1984
Zip 3	YA 84430	8 August 1984
Zip 4	YA 84431	8 August 1984
Zip 5	YA 84432	8 August 1984
Zip 6	YA 84433	8 August 1984
Zip 7	YA 84434	8 August 1984
Zip 8	YA 84435	8 August 1984
Zip 9	YA 84436	8 August 1984
Zip 10	YA 84437	8 August 1984
Zip 11	YA 84438	8 August 1984
Zip 12	YA 84439	8 August 1984
Zip 13	YA 84440	8 August 1984
Zip 14	YA 84441	8 August 1984
Zip 15	YA 84442	8 August 1984
Zip 16	YA 84443	8 August 1984
Zip 17	YA 84444	8 August 1984
Zip 18	YA 84445	8 August 1984
Zip 19	YA 84446	8 August 1984
Zip 20	YA 84447	8 August 1984
Zip 21	YA 84448	8 August 1984
Zip 22	YA 84449	8 August 1984
Zip 23	YA 84450	8 August 1984
Zip 24	YA 84451	8 August 1984
Zip 25	YA 84452	8 August 1984
Zip 26	YA 84453	8 August 1984
Zip 27	YA 84454	8 August 1984
Zip 28	YA 84455	8 August 1984
Zip 29	YA 84456	8 August 1984
Zip 30	YA 84457	8 August 1984
Zip 31	YA 84458	8 August 1984
Zip 32	YA 84459	8 August 1984
Zip 33	YA 84460	8 August 1984
Zip 34	YA 84461	8 August 1984
Zip 35	YA 84462	8 August 1984
Zip 36	YA 84463	8 August 1984
Zip 37	YA 84464	8 August 1984
Zip 38	YA 84465	8 August 1984
Zip 39	YA 84466	8 August 1984
Zip 40	YA 84467	5 August 1984

1.4 HISTORY AND PREVIOUS PRODUCTION

The colourful history of discovery, development, and subsequent mining of placer gold in the Klondike has been documented by many authors and historians and is therefore treated only briefly herein.

The earliest reported discovery of gold dates to the mid-1800's, but not until the phenomenally rich "Klondike Discovery" in 1896 on Bonanza Creek and the subsequent gold rush of 1897-98, was much interest paid to the area. Gold production from the Western Cordillera of Canada to the end of 1978 totals 35 million ounces, of which over 11 million ounces were produced from the Klondike.

The mining history of the Klondike can be divided into four overlapping periods: 1) hand and primitive mining, 2) dredging, 3) dormant, and 4) renewed activity.

Hand and primitive mining methods lasted about nine years (1896 to 1905) and were undertaken usually by individuals or small groups. Production through these early years was estimated by McConnell in 1905 to have been over 5.5 million ounces; this production was primarily by shaft sinking and drifting along bedrock or by open-cut mining. When water was available and the topography allowed the use of hydraulicking operations, good results were possible.

The first dredge was introduced in 1903, and although there were some non-production years during the start of this period, the last dredging operation ceased production in 1966. During the more than 60 years of dredging over 400 million yards of creek and river gravels were treated and more than 5.0 million ounces of gold recovered.

Dredging operations began to decline in the late 1950's and ended in 1966 initiating the 10 to 12 year dormant period. During this time only a few hardy individuals worked their claims on a part-time basis.

In 1977 interest and activity resumed with the increase in the price of gold. Today the area is swarming with activity; although only one dredge is presently working in the Dawson Mining District (at Clear Creek), many operators have introduced the largest earth moving equipment available, and for five months a year the area is alive with small and medium-sized operations re-working or re-examining the area.

1.5 PREVIOUS WORK

No available information was found to indicate that this area had ever been staked for its lode potential; however, the hillsides are dotted with old cabins, small shafts, and workings that indicate at one time there was interest in the area if only for its placer potential.

In 1983, an independent aerial photogrametric project was carried out by Mr. William Dawson to trace geologic units and to identify source areas for gold mineralization in the Klondike placer gold camp. This survey identified the existence of a geologic, probably stratiform, unit believed to be the principal source area for placer gold in Bonanza Creek. The suspected source was staked for lode mineralization in late summer of 1984. An initial VLF-EM geophysical survey and a cursory geochemical survey outlined a coincident VLF-EM conductor and anomalous gold overlying some of the photogrametric linear. Similar linear features know to be present in the Bear Creek Valley, but insufficient geologic information was available at the time to warrant the staking of additional ground.

In May, 1984 Questor Surveys Limited of Mississauga, Ontario was contracted to fly an INPUT electromagnetic and magnetic survey over the northern portion of the Klondike. This survey outlined a number of anomalous areas which were confirmed and further delineated by detailed ground geochemistry. The airborne survey covered the area now staked as the ZIP CLAIMS and outlined several areas that required ground follow-up.

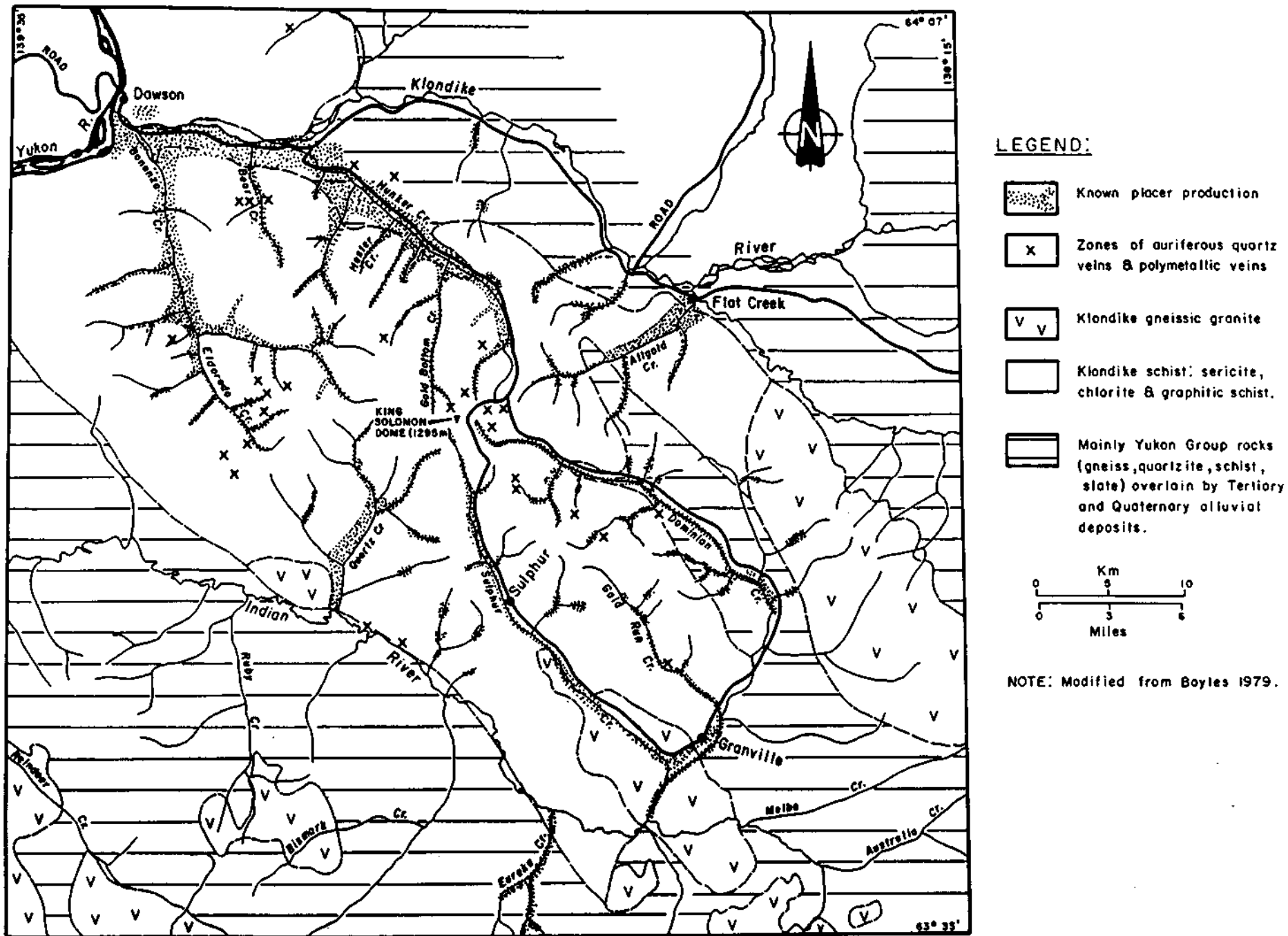
2.0 GEOLOGY

2.1 GENERAL GEOLOGY






The Klondike area is underlain by metamorphic rocks of unknown age but believed to be late Precambrian to late Paleozoic in age. These are referred to as the Klondike Schists. This series of metamorphics are locally intruded at numerous points by several types of intrusives. Although no intrusives were seen on the claims they are reported in the area. A massive coarse-grained grayish granite, similar to coast granites, cuts the schist to the west of the claim block, and serpentines, derived in part from peridotites, crop out at several points on the crest of the ridge separating Hunker Creek from the Klondike; also, numerous small, intrusions of quartz porphyry, rhyolite, and andesites are dotted irregularly throughout the district.

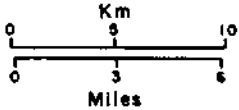
The Klondike Schists are the most important group of rocks in the district, as they constitute the country rock along the productive portions of all the richer creeks and are apparently genetically related to the occurrence of gold. The rocks of this series are now mainly light-coloured or greenish micaceous schists; the principal minerals present being quartz, orthoclase, some plagioclase, sericite, and fine-grained chlorite. The schists often occur in alternating white and green bands; the colour of the banding entirely dependent on the predominance of either sericite or chlorite. Ferromagnesian minerals are almost entirely absent. The rocks are greatly crushed and altered, and in places they are almost entirely recrystallized. Narrow discontinuous quartz veins, lenses, and blows are ubiquitous within the schists. McConnell (1905) reports that thin-section examination indicates that the schists were derived from quartz and granite porphyries.

The Klondike Schists are cut repeatedly by small faults with indicated displacements ranging from a few centimetres to several metres. Because of the depth of weathering and the resulting decomposition of the bedrock, faults are seldom conspicuous except in areas where bedrock is exposed by mining operations. Figure 3 is a generalized geologic map of the Klondike showing the approximate distribution of the Klondike Schist.



LEGEND:

-  Known placer production
-  Zones of auriferous quartz veins & polymetallic veins
-  Klondike gneissic granite
-  Klondike schist: sericite, chlorite & graphitic schist.
-  Mainly Yukon Group rocks (gneiss, quartzite, schist, slate) overlain by Tertiary and Quaternary alluvial deposits.



NOTE: Modified from Boyles 1979.

FIGURE 3 : Generalized geology of the Klondike Mining District, Yukon Territory.

2.2 PROPERTY GEOLOGY

Bedrock exposures are poor and are confined to the upper portion of Bear Creek above its junction with Lindow Creek. Geologic mapping was done by examining rock chips in soils while soil sampling along the 2500 and 3000 foot contours (see Figure 4). When exposed, bedrock is always deeply weathered.

The majority of rocks underlying the claims are made up of blocky weathering green to slightly pink quartz muscovite schist containing varying amounts of pink potassium feldspar. The intensity of pink colouration is dependent upon the feldspar content. Stratigraphically from lowest to highest this schist can be divided into a quartz-feldspar-biotite schist and a quartz-eye feldspar porphyry.

The quartz-feldspar-biotite schist has a granite like texture with a parallel alignment of biotite, much the same as a meta-granitic body found on the west side of Bonanza Creek 4 km west of Bear Creek. Similarly, the apparently overlying quartz-eye muscovite schist, found on the southern portion of the property, looks much the same as the quartz-eye schists found in contact with the same meta-granitic body.

A white to slightly grey coloured quartz-eye (small <2 mm phenocrysts and up to 3% of total rock) feldspar porphyry was encountered in float at several locations on the 3000 foot contour. This unit appears to be a more felsic phase of the quartz-eye schist.

In general rock in the area are more competent with schistose layering being less prominent than rocks found along Bonanza Creek south of Boulder Creek.

2.3 ECONOMIC GEOLOGY AND DISCUSSION

With few exceptions, economic geology of the area has always been focused on the placer deposits. Since production began in 1896, the Klondike district southeast of Dawson City has been the source of more than half the placer gold produced in Western Canada and amounted to over 11 million ounces which at today's price represents over five billion Canadian dollars.

There is little doubt that most of the Klondike gold is detrital in origin. However, the source of the placer gold has long been debated, and for nearly eighty years the only source considered has been the myriad of supposedly auriferous quartz veins within the Klondike Schist. Further, because of the extensive cover of gold-bearing White Channel gravels that blanket the area from the Yukon River to King Solomon Dome, the source of most of the gold has been thought to be centred near King Solomon Dome. Although the quartz veins seem to be the logical source for the gold, and in fact some veins contain

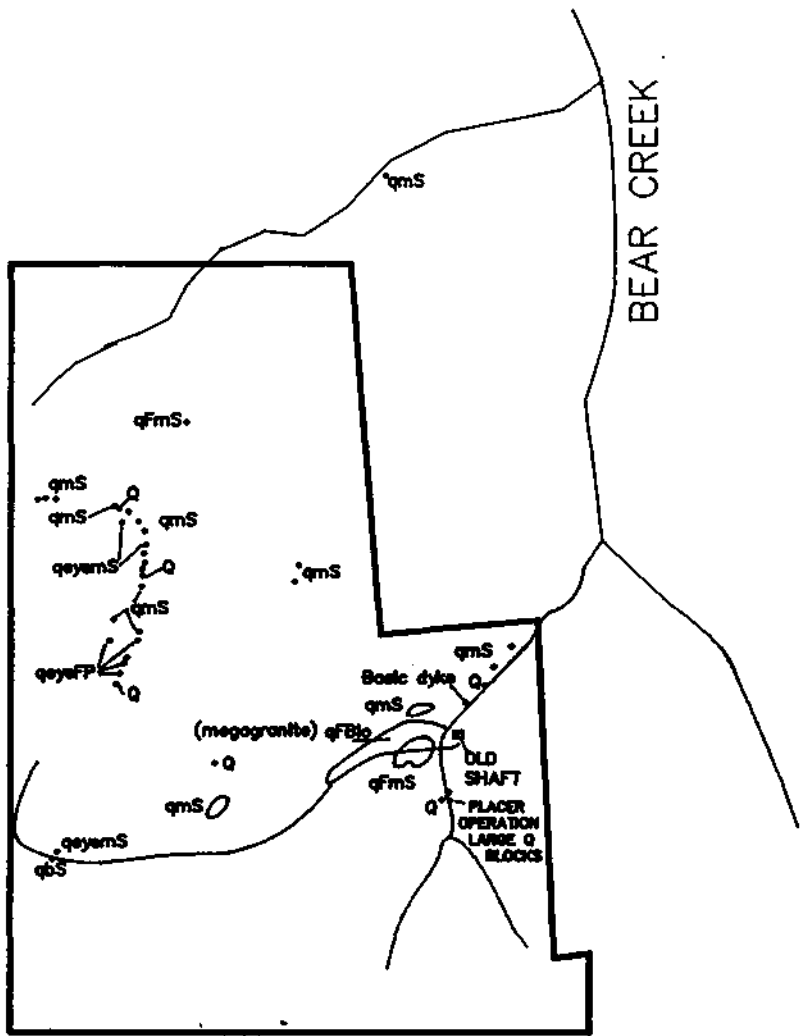
spectacular amounts of gold, a recent sampling of over 1200 previously unsampled quartz veins (sampled in 1983 by the Dept. of Indian and Northern Affairs) failed to detect more than trace amounts of gold.

The earliest reported study on the lode deposits was by Cairnes (1911) in which he briefly described the development work on some of the more promising quartz veins in the district. One property near the head waters of Victory Gulch, a tributary of Bonanza Creek, has long been considered the source of the gold in the gulch and along part of Bonanza Creek. The principal vein, with its associated surrounding mineralized zone, varies in thickness from 1 to 3 metres (3 to 10 feet) and is traceable along strike for 120 metres (400 feet) but may extend another 200 metres (600 feet). Cairnes failed to indicate the grade of this deposit, but he suggested that the gold content is in excess of 0.25 ounces per ton. Reserves in this vein indicate approximately 1500 tons per metre containing about 400 ounces per metre. McConnell (1905) reported that ten 500 foot wide claims along the gulch and Bonanza Creek produced over 200,000 ounces; the inference is that all the gold recovered in the placers could not have come solely from this vein.



Very little work has been done regarding the lode potential of the area since the original work done by Cairnes. Gleeson's report (1970) gives useful information concerning possible geochemical exploration techniques and contains spectrographic analyses of gold from a number of the creeks. Such information is useful for identifying pathfinder elements. All stream samples reported the presence of Ag, Cu, Hg, Ti, Mg, Al, and Fe, and some contain traces of Pb, As, Sb, V, Ba, and Sn.

The origin of the gold in the Klondike placers has long been debated because few sizeable, rich, primary gold-bearing deposits have ever been found in the district. McConnell originally considered that the gold came from the quartz deposits in the district. While this is partially true but this source cannot account for more than a small fraction of the known gold. In addition, the volume of quartz in the White Channel gravels as estimated by Boyle (1979) should exceed 6×10^9 tons but this amount of material could not possibly have come from the myriad of narrow quartz veins impregnating the Klondike Schist. From the character of the gold and its varying fineness within a given drainage it is apparent that the source is local. In addition to the chemically precipitated gold, the most important source for gold is believed to be in pyrite and pyritiferous graphitic schist layers or beds within the Klondike Series.

NORTH




LEGEND

-  AREA OF OUTCROP
-  FLOAT BLOCKS OR CHIPS IN SOIL

- MINERALOGY
- q QUARTZ
 - m MUSCOVITE
 - Bl BIOTITE
 - F FELDSPAR
 - eye PORPHYROBLAST

- ROCKS
- Q QUARTZ
 - S SCHIST
 - P PORPHYRY

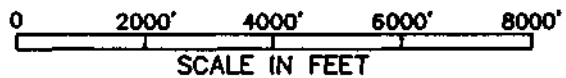
 CONTACT APPROXIMATE SCHISTOSITY

ARBOR RESOURCES LTD.

ZIP CLAIMS

DAWSON M.D.-Y.T. NTS:115-0-14

GEOLOGY



BY: R.G./rwr

DATE: AUG., 1986

FIGURE 4

3.0 GEOCHEMISTRY

3.1 SOIL SAMPLING

A total of 110 soil samples were collected along two nearly parallel contour lines (2500 and 3000 foot levels) in an area believed to have the best economic potential. Sample collection was part of the general geologic mapping programme. Soil samples were collected at 100 m intervals along the contour levels (Figure 2a). The purpose of this sampling programme was to see if there is any significant geochemical signature across areas covered by slide material or overburden. The programme was designed to collect samples, whenever possible, from the 'B' soil horizon. However, because of the dry climate and permafrost conditions the soil development is generally poor and the desired horizon was seldom available. The only sampling medium available was either a poorly developed 'B' horizon or a deeply weathered 'C' horizon. Samples were collected using either a shovel or a prospector's pick and placed into Kraft wet-strength paper envelopes. After air drying for several days the samples were boxed and shipped to Chemex Labs. Ltd. in North Vancouver, B.C.

At Chemex Labs. Ltd. the samples were analyzed for 24 elements using the I.C.P. technique. In addition, gold was analyzed by standard atomic absorption after pre-concentration by Fire Assay extraction.

Results for the soil samples were tabulated for each element and are summarized in Appendix A. Geochemical results were generally low, and because of the limited number of samples and the unusually low values, soil geochemical data were not treated statistically in order to determine background and anomalous levels.

4.0 CONCLUSIONS

Preliminary geologic mapping indicates that the claims are underlain by rocks similar to other areas in the Klondike. These rocks are believed to be genetically related to the occurrence of gold in the region. However, no gold mineralization of note was found on the ZIP Claim Group.

The preliminary geochemical work was undertaken primarily to test the gold potential and trace element signature over a portion of the claims. Results of the study indicate that all metal values are extremely low and no pathfinder element were identified.

Respectfully submitted,
ARCHEAN ENGINEERING LIMITED



R.A. Gonzalez. M.Sc., P.Eng.

5.0 REFERENCES

- Bostock, H.S., 1957; Yukon Territory-Selected Field Reports of the Geological Survey of Canada, 1893 to 1937: Geol. Surv.of Canada, Memoir 284.
- Boyle, R.W., 1979; The Geochemistry of Gold and its Deposits: Geol. Surv. of Canada, Bulletin 280, p. 350-357.
- Cairnes, D.D., 1912; Quartz Mining in the Klondike District: Geol. Surv. of Canada, Sum. Rept. for 1911, pp. 4, 17-40: Also Geol. Surv. of Canada, Memoir 284, p. 343-351.
- Debicki, R.L., 1984; Bedrock Geology and Mineralization of the Klondike Area (West), 115 O/14, 15 and 116 B/2, 3. Exploration and Geological Sciences Division, Yukon; Indian and Northern Affairs Canada, Open File 1:50,000 Map.
- Defresne, M., Morison, S.R., 1985; Sedimentology and Alteration of White Channel Gravel in the Klondike - Implications for Exploration; Presentation given at Cordilleran Geology and Exploration Roundup in Vancouver, British Columbia.
- Desborough, George A., 1970; Silver Depletion Indicated by Microanalysis of Gold from Placer Occurrences, Western United States: Econ. Geol., v. 65, no. 3, p. 304-311.
- Gleeson, C.F., 1970; Heavy Mineral Studies in the Klondike Area, Yukon Territory: Geol. Surv. of Canada, Bull. 173, 63 pp.
- Grunenberg, P., Troup, A.G., 1985; Geological, Geochemical and Geophysical Report on the Dawson Property, 42pp.
- McConnell, R.G., 1905; Report on the Klondike Gold Fields: Geol. Surv. of Canada, Annu. Rep., pt. B, v.14, p. 1-71.
- Tuck, R., 1968; Origin of the Bedrock Values of Placer Deposits: Econ. Geol., v. 63, no. 2, p. 191-193.

6.0 STATEMENT OF PROFESSIONAL QUALIFICATIONS

R.A. GONZALEZ, M.Sc., P.Eng.

ACADEMIC

1965	B.Sc. in Geology	The University of New Mexico, U.S.A.
1968	M.Sc. in Geology	The University of New Mexico, U.S.A.

PROFESSIONAL

1983	Archean Engineering Limited	Overseas Manager
1980-1983	Placer Development y Cia. Ltd. (Chile)	Ass't Exploration Manager
1977-1980	Consultant: attached to the Geological Survey of Malaysia	Ass't Project Manager on a C.I.D.A. supported mineral exploration survey over Peninsular Malaysia
1975-1977	Province of Manitoba	Resident Geologist for the Manitoba Dept. of Mines.
1971-1975	Giant Mascot Mines Limited	Senior Geologist
1970-1971	New Jersey Zinc (Canada) Ltd.	Exploration Geologist
1968-1970	Anaconda American Brass Ltd.	Research Geologist
1965-1966	Mex-Tex Mining Co. (U.S.A)	Geologist

7.0 COSTS STATEMENT

ARBOR RESOURCES LIMITED
 ZIP 1 TO 40 MINERAL CLAIMS
 28 MAY - 31 JULY 1986

GENERAL COSTS

RENTALS:

Airways 4wd Blazer: 3 day @ \$43/day	129.00	
Standard Field Equipment: 12 man days @ \$6/day	72.00	
		\$ 201.00

REPORT PREPARATION:

1,101.67

TOTAL GENERAL COSTS:

\$ 1,302.67

GEOLOGICAL MAPPING COSTS

SALARIES & WAGES:

P. Grunenberg; 5 June, 16-17 July 3 Man days @ \$116.67/day	\$350.01	
S. Tomlinson; 5 June, 16-17 July 3 Man days @ \$92.31/day	276.93	
		\$ 626.94

BENEFITS @ 20%:

125.39

GENERAL COSTS APPORTIONED:

6/12 X \$1,302.67	651.34	
		\$ 1,403.67

TOTAL GEOLOGICAL MAPPING:

\$ 1,403.67

GEOCHEMICAL SAMPLING COSTS

SALARIES & WAGES:

J. Boshier; 5 June, 16-17 July 3 Man days @ \$80.77	\$242.31	
E. Timoshenko; 5 June, 16-17 July 3 Man days @ \$76.92/day	230.76	
		\$ 473.07

BENEFITS @ 20%:

94.61

ASSAYS & ANALYSES:

Chemex Labs 110 Soils; Au + 24 elem. ICP @ \$18.75ea	2,062.50	
--	----------	--

GENERAL COSTS APPORTIONED:

3/12 X \$1,302.67	651.34	
		\$ 3,281.51

TOTAL GEOCHEMICAL SAMPLING COSTS:

\$ 3,281.51

TOTAL SURVEY COSTS

GEOLOGICAL MAPPING	\$ 1,403.67
GEOCHEMICAL SURVEY	3,281.51

TOTAL COST	\$ 4,685.18
	=====

LIST OF PERSONNEL

P. Grunenberg, 19407-62 Ave., Surrey, B.C., V3S 5M8
 S. Tomlinson, 6629 Lime St., Vancouver, B.C., V6P 5V7
 J. Boshier, 12861-104A Ave., Surrey B.C., V3T 1Y5
 E. Timoshenko, RR #9, Brampton, Ontario, L6T 3Z8

LIST OF SUPPLIERS

Airways, 2782 Grandview Highway, Vancouver, B.C., V5M 2C9
 Chemex Labs. Ltd., 212 Brooksbank Ave., North Vancouver, B.C.,
 V7J 2C1
 D. Langtree, Dawson City, Yukon Terr.
 Dawson General Store, Dawson City, Yukon Terr.
 Eldorado Hotel, Dawson City, Yukon Terr.
 Standard Gold Mines Ltd., 1900-999 W. Hastings St., Vancouver,
 B.C., V6C 2W2
 Vancal, 1180 W. Hastings St., Vancouver, B.C., V6E 1B4
 Watson Lake Hotel, Watson Lake, Yukon

LIST OF CONTRACTORS

Adder Exploration & Development Ltd., 2784 Lawson Ave., West
 Vancouver, B.C., V7V 2G4
 Archean Engineering Ltd., 3605 Creery Ave., West Vancouver, B.C.,
 V7V 2M3

APPENDIX A: GEOCHEMICAL RESULTS



Chemex Labs Ltd.

Analytical Chemists

Geochemists

Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.
VANCOUVER, B.C.
V6C 2W2

CERT. # : A8615747-001-A
INVOICE # : I8615747
DATE : 18-AUG-86
P.O. # : NONE
DAWSON-SYNDICATE ZIP

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Mo ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)	Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)
ZIP 001	2	<10	68	85	34	<2	<0.5	5	12	1810	2.26	235	73	1.00	67	7.01	1.0	0.58	23	0.4	0.347	136	1.36	3.38
ZIP 002	2	<10	81	85	32	<2	<0.5	6	12	1880	2.22	315	71	0.90	60	7.05	1.0	0.70	25	0.2	0.351	166	1.49	3.93
ZIP 003	<1	<10	57	50	26	<2	<0.5	5	13	1530	2.05	217	71	0.81	58	5.81	0.5	0.63	20	0.2	0.285	127	1.23	2.67
ZIP 004	1	<10	64	135	28	<2	<0.5	5	12	1640	2.02	215	77	0.84	57	6.00	1.0	0.59	19	0.2	0.275	124	1.18	2.98
ZIP 005	<1	<10	65	75	22	<2	<0.5	5	11	1950	1.94	225	74	0.82	50	6.46	1.0	0.59	17	0.2	0.271	148	1.28	3.16
ZIP 006	3	<10	66	140	22	<2	<0.5	6	14	1860	2.25	270	77	0.81	68	6.80	1.0	0.82	24	0.2	0.326	176	1.53	2.93
ZIP 007	4	<10	72	65	26	<2	<0.5	5	13	2090	2.38	230	68	0.89	62	7.14	1.5	0.58	21	0.2	0.293	140	1.56	3.10
ZIP 008	<1	<10	55	50	20	<2	<0.5	5	11	2060	1.81	210	66	0.92	48	6.29	1.5	0.65	18	0.2	0.258	148	1.34	2.88
ZIP 009	1	<10	68	155	20	<2	<0.5	7	20	1380	2.69	345	89	1.02	92	6.75	0.5	1.11	29	0.2	0.410	225	1.63	2.78
ZIP 010	<1	<10	69	330	30	<2	<0.5	8	19	1370	2.89	435	105	0.88	101	6.21	<0.5	1.11	30	0.6	0.412	197	1.52	2.20
ZIP 011	<1	<10	71	145	22	<2	<0.5	8	22	1350	3.03	420	88	0.90	97	6.21	<0.5	0.99	27	0.2	0.359	175	1.43	1.97
ZIP 012	1	<10	66	85	12	<2	<0.5	4	16	1460	2.50	270	89	0.89	61	6.33	1.0	0.82	20	0.4	0.350	153	1.62	2.34
ZIP 013	1	<10	59	120	12	<2	<0.5	4	16	1270	2.50	270	82	0.83	68	5.87	1.0	0.84	18	0.2	0.346	145	1.52	2.14
ZIP 014	<1	<10	64	150	14	<2	<0.5	5	17	1270	2.97	275	81	0.89	81	6.35	0.5	0.89	20	0.2	0.410	160	1.64	2.12
ZIP 015	<1	<10	74	260	24	<2	<0.5	3	14	1500	2.28	230	73	0.86	61	6.10	1.0	0.76	17	0.2	0.330	140	1.28	2.59
ZIP 016	<1	<10	49	215	18	<2	<0.5	5	14	910	2.40	305	68	0.66	66	4.68	0.5	0.79	15	0.4	0.330	128	1.09	1.55
ZIP 017	3	<10	60	270	18	<2	<0.5	5	18	1210	2.70	335	86	0.87	74	6.12	0.5	1.01	23	0.4	0.385	198	1.48	2.05
ZIP 018	2	<10	49	320	12	<2	<0.5	5	17	1030	2.43	310	81	0.82	69	5.27	0.5	1.22	22	0.4	0.378	190	1.42	1.63
ZIP 019	6	<10	72	145	20	<2	<0.5	3	11	2600	2.41	260	76	1.13	47	7.96	2.0	0.61	15	0.4	0.300	127	1.89	4.02
ZIP 020	2	<10	54	205	18	<2	<0.5	3	14	1270	2.59	265	91	0.86	84	6.39	0.5	0.98	18	0.2	0.473	190	1.62	2.63
ZIP 021	2	<10	70	215	50	<2	<0.5	4	14	1540	2.03	220	70	0.76	50	5.93	1.0	0.76	17	0.2	0.304	142	1.23	3.35
ZIP 022	3	<10	62	280	26	<2	<0.5	4	16	1210	2.95	300	83	0.87	90	6.63	0.5	1.01	25	0.4	0.471	196	1.65	2.70
ZIP 023	2	<10	61	205	22	<2	<0.5	3	12	1640	2.44	225	81	0.89	67	6.73	1.0	0.73	17	0.4	0.383	152	1.43	3.19
ZIP 024	2	<10	56	150	18	<2	<0.5	4	16	1330	2.49	265	86	0.96	74	6.45	0.5	1.03	20	0.2	0.416	205	1.64	2.80
ZIP 025	<1	<10	63	345	22	<2	<0.5	5	14	1740	2.31	275	92	1.09	54	6.31	1.5	0.76	16	0.2	0.350	126	1.31	3.62
ZIP 026	1	<10	58	160	20	<2	<0.5	4	14	1560	2.31	265	73	0.99	63	6.33	1.0	0.90	17	0.4	0.385	162	1.39	3.00
ZIP 027	1	<10	54	205	20	<2	<0.5	3	10	1740	1.95	193	78	0.96	46	6.08	1.5	0.67	16	0.2	0.290	121	1.31	3.12
ZIP 028	<1	<10	53	120	14	<2	<0.5	2	8	1800	1.68	174	65	0.96	35	6.25	1.5	0.53	11	0.2	0.277	105	1.30	3.59
ZIP 029	<1	<10	54	145	18	<2	<0.5	2	8	1930	1.83	187	70	1.08	39	6.94	1.5	0.62	13	0.2	0.307	119	1.53	3.87
ZIP 030	1	<10	52	210	36	<2	<0.5	2	9	2060	2.14	193	72	1.24	45	8.10	2.0	0.57	17	0.4	0.355	118	1.75	4.04
ZIP 031	2	<10	57	415	40	<2	<0.5	2	8	1710	2.01	210	76	0.71	46	6.73	1.0	0.52	14	0.2	0.395	123	2.44	3.48
ZIP 032	1	<10	57	150	40	<2	<0.5	3	11	1570	2.17	205	70	0.80	44	6.16	1.5	0.45	14	0.2	0.333	105	1.66	3.17
ZIP 033	1	<10	79	170	38	<2	<0.5	4	13	1760	2.79	265	89	0.94	59	7.43	1.0	0.63	20	0.2	0.414	136	2.60	3.61
ZIP 034	<1	<10	75	165	36	<2	<0.5	4	13	1690	2.67	250	86	0.90	56	6.58	1.0	0.68	14	0.2	0.416	144	1.92	3.02
ZIP 035	<1	<10	48	115	34	<2	<0.5	2	10	1610	2.13	210	72	0.80	51	6.30	1.0	0.66	13	0.2	0.395	136	1.80	2.82
ZIP 036	2	<10	54	335	38	<2	<0.5	2	11	1470	2.13	200	80	0.88	72	6.37	1.0	0.94	21	0.2	0.430	169	1.46	2.27
ZIP 037	1	<10	58	150	28	<2	<0.5	4	13	1910	2.59	255	72	1.16	56	6.84	1.5	1.38	17	0.2	0.389	235	1.78	2.80
ZIP 038	2	<10	77	320	28	<2	<0.5	4	12	1840	2.51	265	77	1.23	58	7.07	1.5	1.19	18	0.2	0.408	195	1.68	3.61
ZIP 039	1	<10	82	435	34	<2	<0.5	4	14	1660	2.45	265	88	1.00	61	6.76	1.0	0.83	20	0.2	0.404	155	1.71	3.46
ZIP 040	2	<10	58	1200	34	<2	<0.5	3	11	1110	2.07	255	67	0.66	52	5.82	1.0	0.85	27	0.2	0.327	157	1.31	2.20

Certified by



Chemex Labs Ltd.

Analytical Chemists

Geochemists

Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.
VANCOUVER, B.C.
V6C 2W2

CERT. # : AB615747-002-A
INVOICE # : 18615747
DATE : 18-AUG-86
P.O. # : NONE
DAWSON-SYNDICATE ZIP

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Mo ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)	Hg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)
ZIP 041	3	<10	61	560	22	<2	<0.5	4	13	1410	2.30	240	101	0.82	62	6.31	1.0	0.81	19	0.2	0.388	150	1.61	2.78
ZIP 042	2	<10	56	370	14	<2	<0.5	3	13	1410	2.09	220	125	0.94	57	6.25	1.0	0.92	18	0.2	0.388	161	1.60	2.79
ZIP 043	1	<10	54	470	14	<2	<0.5	4	14	1160	2.21	365	120	0.82	60	5.61	0.5	0.97	16	0.2	0.368	153	1.36	2.36
ZIP 044	<1	<10	58	480	16	<2	<0.5	5	14	1200	2.16	245	93	0.80	55	5.48	0.5	0.88	15	0.2	0.325	141	1.19	2.50
ZIP 045	<1	<10	48	410	10	<2	<0.5	4	11	1240	2.00	255	115	0.78	54	5.57	0.5	0.97	14	0.2	0.349	154	1.42	2.65
ZIP 046	1	<10	62	480	16	<2	<0.5	5	17	1190	2.46	335	110	0.81	73	5.87	0.5	1.08	19	0.2	0.386	171	1.30	2.18
ZIP 047	<1	<10	57	580	14	<2	<0.5	4	14	1190	2.26	210	110	0.81	63	5.54	0.5	1.05	13	0.2	0.372	157	1.34	2.13
ZIP 048	3	<10	58	760	14	<2	<0.5	4	16	1200	2.34	215	110	0.81	69	6.02	0.5	1.13	18	0.2	0.403	182	1.47	2.20
ZIP 049	<1	<10	57	640	16	<2	<0.5	4	15	1280	2.34	210	105	0.83	64	6.01	0.5	0.99	19	0.2	0.373	159	1.44	2.48
ZIP 050	<1	<10	46	360	22	<2	<0.5	3	9	1240	1.64	150	100	0.73	41	5.02	1.0	0.60	12	0.2	0.238	102	1.11	2.27
ZIP 051	3	<10	102	530	30	<2	<0.5	6	16	1480	2.40	255	100	0.82	74	6.72	1.0	0.80	23	0.2	0.359	151	1.23	2.61
ZIP 052	4	<10	64	345	26	<2	<0.5	6	13	1140	2.51	395	118	0.78	81	6.44	0.5	1.35	18	0.2	0.398	210	1.74	2.01
ZIP 053	<1	<10	83	395	26	<2	<0.5	7	13	1670	2.42	295	100	0.82	68	6.96	1.0	0.80	18	0.2	0.312	131	1.46	3.17
ZIP 054	2	<10	86	490	26	<2	<0.5	8	36	1460	2.73	300	185	0.89	75	6.58	1.0	0.78	22	0.2	0.401	130	1.42	2.88
ZIP 057	3	<10	64	595	24	<2	<0.5	7	45	930	2.29	300	195	0.69	75	5.22	<0.5	1.15	16	0.4	0.349	162	1.19	1.55
ZIP 058	2	<10	64	675	20	<2	<0.5	7	19	1050	2.42	270	149	0.70	72	5.60	<0.5	1.14	18	0.2	0.347	169	1.21	1.65
ZIP 059	3	<10	63	625	18	<2	<0.5	7	21	1080	2.29	300	116	0.71	72	5.30	<0.5	1.24	20	0.4	0.336	166	1.19	1.76
ZIP 060	1	<10	65	615	16	<2	<0.5	6	15	1020	2.38	235	147	0.72	76	5.48	<0.5	1.05	17	0.4	0.359	150	1.30	1.75
ZIP 061	1	<10	69	735	18	<2	<0.5	9	16	1030	2.51	395	94	0.69	73	5.29	<0.5	1.15	19	0.4	0.332	160	1.22	1.49
ZIP 062	1	<10	52	620	20	<2	<0.5	6	14	855	1.82	215	120	0.59	60	4.60	<0.5	1.12	15	0.2	0.294	146	1.09	1.16
ZIP 063	3	<10	59	550	18	<2	<0.5	6	12	1080	2.09	250	126	0.60	63	5.26	0.5	1.11	16	1.0	0.329	152	1.42	1.53
ZIP 064	4	<10	65	555	18	<2	<0.5	7	16	1210	2.18	280	129	0.70	68	5.70	0.5	1.14	21	0.4	0.355	160	1.45	1.70
ZIP 065	2	<10	89	715	20	<2	<0.5	10	21	1280	2.50	480	125	0.83	56	6.00	<0.5	1.38	36	0.6	0.355	178	1.41	1.66
ZIP 066	4	<10	70	600	20	<2	<0.5	8	16	1270	2.36	285	116	0.74	70	5.70	0.5	1.12	20	0.4	0.380	140	1.37	2.57
ZIP 067	3	<10	153	745	20	<2	2.5	8	32	1220	3.53	260	100	0.94	119	6.35	<0.5	1.16	46	1.2	0.371	142	1.09	2.18
ZIP 068	2	<10	135	745	16	<2	<0.5	8	23	1200	2.87	360	130	0.89	119	5.60	<0.5	1.19	32	0.6	0.401	155	1.38	2.10
ZIP 069	2	<10	90	540	20	<2	<0.5	5	16	835	2.22	270	93	0.76	93	4.98	<0.5	1.36	20	0.2	0.368	196	1.36	1.80
ZIP 070	3	<10	99	690	14	<2	<0.5	8	21	1030	3.05	440	139	0.99	121	6.11	<0.5	1.89	32	0.2	0.439	285	1.71	2.03
ZIP 071	3	<10	170	690	22	<2	<0.5	8	27	1250	3.36	380	111	0.83	132	5.39	<0.5	0.98	35	0.8	0.393	125	1.28	2.25
ZIP 072	<1	<10	94	395	20	<2	<0.5	5	16	1090	3.02	240	115	0.73	82	5.30	<0.5	0.68	18	0.6	0.362	98	1.26	2.52
ZIP 073	<1	<10	84	440	12	<2	<0.5	5	13	725	2.60	445	101	0.83	108	5.31	<0.5	1.07	22	0.4	0.382	190	1.41	1.76
ZIP 074	4	<10	107	365	14	<2	<0.5	8	26	860	3.69	375	114	1.01	130	5.74	<0.5	1.03	33	0.8	0.416	155	1.29	1.74
ZIP 075	1	<10	64	570	16	<2	<0.5	6	17	1390	2.42	215	110	0.60	74	5.65	0.5	0.74	21	0.2	0.385	97	1.28	2.90
ZIP 076	1	<10	56	410	18	<2	<0.5	6	17	1030	2.84	250	136	0.73	90	6.17	<0.5	1.02	20	0.2	0.452	163	1.61	2.62
ZIP 077	<1	<10	63	390	18	<2	<0.5	8	20	1060	2.94	245	118	0.73	81	6.06	<0.5	0.88	24	0.2	0.417	139	1.50	2.33
ZIP 078	4	<10	63	355	16	<2	<0.5	5	18	1110	2.68	240	129	0.82	84	7.01	0.5	0.92	26	0.2	0.483	158	1.99	2.75
ZIP 079	2	<10	69	410	16	<2	<0.5	8	23	1270	2.96	335	127	0.94	104	7.05	<0.5	1.25	35	0.2	0.492	205	1.67	2.38
ZIP 080	<1	<10	61	320	14	<2	<0.5	7	20	800	2.66	340	98	0.80	95	5.55	<0.5	1.12	29	0.2	0.400	164	1.30	1.74
ZIP 081	6	<10	124	505	14	<2	<0.5	7	32	1080	4.00	385	127	1.17	162	7.25	<0.5	1.17	50	0.2	0.481	200	1.52	2.15
ZIP 082	<1	<10	61	400	14	<2	<0.5	5	19	940	2.45	300	106	0.76	85	5.83	<0.5	1.14	23	0.2	0.405	172	1.45	1.90

Certified by



Chemex Labs Ltd.

Analytical Chemists

Geochemists

Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ANALYSIS

ID : MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.
VANCOUVER, B.C.
V6C 2W2

CERT. # : ABG15747-003-A
INVOICE # : I8G15747
DATE : 18-AUG-86
P.O. # : NONE
DAWSON-SYNDICATE ZIP

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Mo ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)	Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)
ZIP 083	2	<10	161	585	26	<2	1.0	8	33	1180	3.16	410	175	0.81	123	6.14	<0.5	1.10	43	0.2	0.371	177	1.42	1.77
ZIP 084	1	<10	78	505	18	<2	<0.5	7	15	1150	2.55	340	103	0.72	76	5.95	<0.5	1.34	23	0.2	0.410	197	1.50	1.59
ZIP 085	<1	<10	60	335	20	<2	<0.5	5	19	1040	2.35	265	156	0.75	66	6.13	<0.5	1.20	20	0.2	0.406	187	1.49	1.89
ZIP 086	<1	<10	66	435	20	<2	<0.5	5	14	1110	2.32	215	108	0.74	61	5.92	0.5	0.80	20	0.2	0.359	124	1.38	1.87
ZIP 087	2	<10	67	345	20	<2	<0.5	5	14	1390	2.35	240	139	0.77	61	6.45	0.5	0.79	21	0.2	0.382	129	1.49	2.49
ZIP 088	2	<10	80	360	22	<2	<0.5	5	14	1170	2.69	255	107	0.80	83	6.67	<0.5	1.02	25	0.2	0.389	191	1.51	1.90
ZIP 089	<1	<10	56	335	20	<2	<0.5	6	15	1120	2.61	260	132	0.80	72	6.47	<0.5	1.14	22	0.2	0.412	180	1.57	1.96
ZIP 090	3	<10	62	480	20	<2	<0.5	5	18	1420	2.56	285	118	0.79	65	6.44	0.5	0.81	23	0.2	0.368	129	1.44	2.49
ZIP 091	2	<10	60	445	20	<2	<0.5	5	14	1570	2.59	250	175	0.87	66	7.03	0.5	0.83	19	0.2	0.398	133	1.64	2.80
ZIP 092	1	<10	51	265	20	<2	<0.5	4	9	1040	1.90	187	84	0.58	45	5.56	0.5	0.75	13	0.2	0.271	115	1.37	1.68
ZIP 093	<1	<10	49	155	16	<2	<0.5	4	13	1100	1.96	187	139	0.65	52	5.60	0.5	0.87	15	0.2	0.307	139	1.45	1.67
ZIP 094	<1	<10	71	485	24	<2	<0.5	5	13	1320	2.30	220	76	0.76	56	6.05	0.5	0.79	18	0.2	0.293	124	1.08	1.87
ZIP 095	<1	<10	54	270	20	<2	<0.5	5	12	1240	2.03	220	136	0.72	53	5.79	0.5	0.89	15	0.2	0.311	138	1.30	1.91
ZIP 096	2	<10	52	325	18	<2	<0.5	4	11	1190	1.88	196	86	0.69	50	5.39	0.5	0.85	16	0.2	0.282	129	1.15	1.76
ZIP 097	2	<10	52	240	20	<2	<0.5	5	11	1320	2.09	210	127	0.67	51	5.79	0.5	0.70	14	0.2	0.276	117	1.19	2.11
ZIP 098	<1	<10	53	315	20	<2	<0.5	5	13	1050	2.03	205	81	0.70	57	5.30	<0.5	1.00	16	0.2	0.296	141	1.11	1.63
ZIP 099	<1	<10	53	320	22	<2	<0.5	5	13	1280	2.11	235	134	0.77	57	5.82	0.5	1.10	17	0.2	0.317	159	1.32	2.14
ZIP 100	2	<10	53	325	22	<2	<0.5	5	12	1270	1.95	210	103	0.65	56	5.66	0.5	0.86	15	0.2	0.288	129	1.10	2.23
ZIP 101	<1	<10	59	360	26	<2	<0.5	7	17	1260	2.30	295	150	0.76	66	5.73	0.5	1.31	21	0.2	0.339	171	1.24	2.14
ZIP 102	3	<10	55	445	20	<2	<0.5	6	21	1070	2.33	320	106	0.78	72	5.56	<0.5	1.50	21	0.2	0.359	192	1.31	1.47
ZIP 103	2	<10	71	350	32	<2	<0.5	11	18	1310	2.86	405	128	0.82	81	6.69	0.5	1.01	29	0.2	0.322	162	1.21	1.84
ZIP 104	2	<10	64	390	20	<2	<0.5	7	17	1430	2.58	325	89	0.91	73	6.64	0.5	1.24	24	0.2	0.346	187	1.42	1.88
ZIP 105	2	<10	72	285	24	<2	<0.5	8	18	1540	2.64	320	285	0.94	74	6.90	0.5	1.38	22	0.2	0.359	250	1.40	1.93
ZIP 106	1	<10	71	350	28	<2	<0.5	7	14	1910	2.39	255	164	0.83	50	6.80	1.5	0.72	19	0.2	0.270	120	0.94	2.82
ZIP 107	1	<10	60	265	22	<2	<0.5	6	14	1640	2.33	285	128	0.78	57	6.38	1.0	0.83	17	0.2	0.304	137	1.26	2.70
ZIP 108	3	<10	57	400	26	<2	<0.5	5	10	1310	1.74	360	94	0.68	33	5.10	1.0	1.93	17	0.6	0.187	215	0.78	1.98
ZIP 109	3	<10	80	170	28	<2	<0.5	4	6	2260	2.19	210	110	0.84	22	8.06	2.0	0.37	14	0.4	0.225	87	1.41	3.62
ZIP 110	3	<10	77	280	24	<2	<0.5	6	14	1710	2.49	235	102	1.06	52	7.04	1.5	1.03	18	0.4	0.318	159	1.25	3.21
ZIP 111	1	<10	69	250	38	<2	<0.5	4	9	2350	1.89	178	124	0.99	30	8.15	2.0	0.34	16	0.2	0.244	80	1.34	3.71
ZIP 112	2	<10	69	155	60	<2	<0.5	5	5	2120	1.99	575	70	0.79	16	7.00	2.0	0.21	12	0.2	0.178	68	1.28	4.31

Certified by *[Signature]*



Chemex Labs Ltd.

Analytical Chemists Geochemists Registered Assayers

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

CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.
VANCOUVER, B.C.
V6C 2W2

CERT. # : A8615747-003-B
INVOICE # : I8615747
DATE : 18-AUG-86
P.O. # : NONE
DAWSON-SYNDICATE ZIP

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA																						
ZIP 083	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 084	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 085	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 086	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 087	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 088	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 089	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 090	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 091	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 092	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 093	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 094	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 095	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 096	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 097	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 098	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 099	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 100	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 101	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 102	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 103	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 104	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 105	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 106	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 107	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 108	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 109	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 110	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 111	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZIP 112	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Certified by *H. P. [Signature]*