09180

DAWSON SYNDICATE (1983) EXPLORATION LIMITED PARTNERSHIP

091807

GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT for WORK PERFORMED by MARK MANAGEMENT LTD. on the

DAWSON PROPERTY

DAWSON MINING DISTRICT

YUKON TERRITORY

NTS 115 O/14 AND 116 B/3

February 1986

P. Grunenberg, B.Sc.
A.G. Troup, P.Eng.

Claims Worked

See Table 1A

091807

WORK PERIOD:	JUNE 28 TO SEPTEMBER 30 1985
LOCATION:	63° 59' / 139° 14'
OWNER:	WILLIAM T. DAWSON
OPERATORS:	SEE CLAIMS LIST (TABLE 1)
CONSULTANT:	A.G. TROUP, ARCHEAN ENGINEERING LTD.
PROJECT GEOLOGIST:	PERRY GRUNENBERG, MARK MANAGEMENT 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 $ -96,560.08-. (Not full amount applied for)

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

DAWSON SYNDICATE (1983) EXPLORATION LIMITED PARTNERSHIP

GEOLOGICAL, GEOCHEMICAL and GEOPHYSICAL REPORT on the DAWSON PROPERTY DAWSON MINING DISTRICT, YUKON TERRITORY NTS 115 O/14 AND 116 B/3 63° 57' NORTH LATITUDE: 139° 22' WEST LONGITUDE

SUMMARY

The **DAWSON SYNDICATE (1983) EXPLORATION LIMITED PARTNERSHIP** Dawson Property is situated four kilometres from Dawson City in the Klondike Mining District, Yukon. The property consists of 831 quartz claims along Bonanza Creek, Hunker Creek, and the Klondike River. The claims were staked adjacent to some of the most productive placer gravel deposits in the Klondike.

The property is underlain by Klondike schist which was considered to be genetically related to the source of gold. The Klondike schists are locally intruded by several types and ages of intrusives, including those belonging to the Carmacks Group.

The 1985 field programme consisted of geological mapping and prospecting, and the collecting of 123 rock samples, 372 soil samples, and 42 heavy mineral concentrate. Geophysics included 27.5 line kilometres of proton magnetometer surveys and 3.9 line kilometres of VLF-EM surveys. The majority of this work was carried out along the flanks of Bonanza Creek south of Boulder Creek, along Hunker Creek and it's tributaries to the west, and along the Klondike River valley. These surveys outline three areas of interest:

(1) a linear magnetic "low" paralleling Bonanza Creek which is believed to be the controlling structure for gold bearing solutions in this area.
(2) an extensive, apparently stratabound related, Cu,Pb,Zn, soil anomaly west of Bonanza Creek, which in places shows signs of having a paralleling gold bearing structure.
(3) hydrothermally altered areas of bedrock and overlying gravels along Hunker Creek where further work will be needed to delineate possible gold bearing zones.

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1. INTRODUCTION

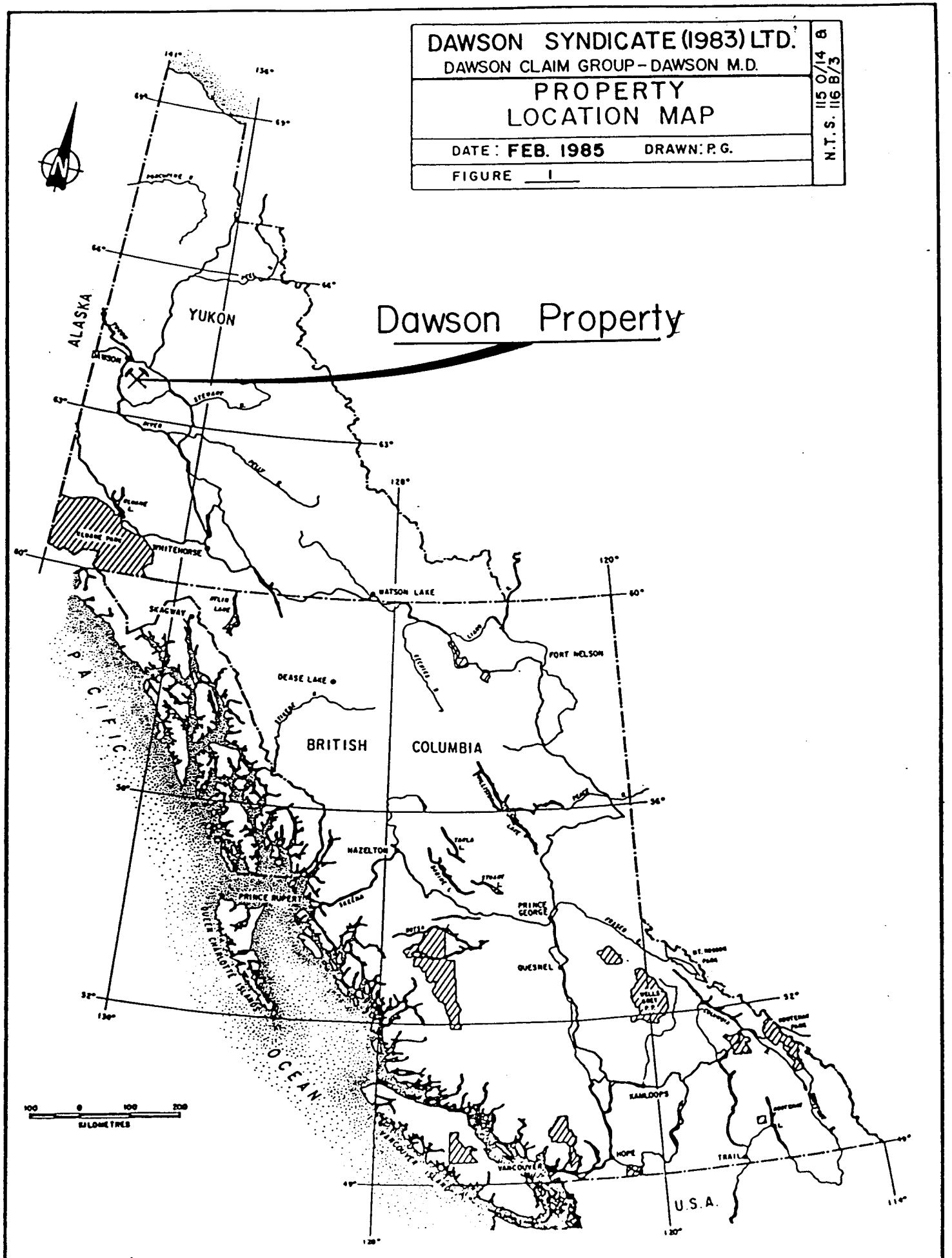
The Klondike has a long and colourful history of placer gold production since the gold rush days of 1897-98. However, even though this area represents the richest placer deposits known to man, very little systematic geologic investigation has been undertaken since the first published works by the GSC at the turn of the century. One of the pressing problems has been an attempt to locate the source area of the gold recovered by placer miners. In its nearly ninety year history, no significant lode-gold mineralization has been discovered. Not until a recent conceptual re-interpretation followed by systematic geological exploration has the origin of the districts gold been partially understood.

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 claim group is located four kilometres (2.5 miles) southeast of Dawson City in the Klondike Mining District (Figure 1). The claims are located along Bonanza Creek, Klondike River, and Hunker Creek Valleys (Figure 2). Relief is on the order of 732 metres (2400 ft.) with elevations ranging from 305 metres (1000 ft.) to 1037 metres (3400 ft.). Terrestrial coordinates for the center of the claim block are as follows:

63°59' North Latitude
139°14' West Longitude


DAWSON SYNDICATE (1983) LTD.
DAWSON CLAIM GROUP - DAWSON M.D.
PROPERTY
LOCATION MAP
DATE: FEB. 1985 DRAWN: P.G.
FIGURE 1
N.T.S. 115 O/14 & 116 B/3
Dawson Property
ALASKA
YUKON
DAWSON
WHITEHORSE
WATSON LAKE
SEAGWAY
DEASE LAKE
FORT NELSON
BRITISH
COLUMBIA
HAZELTON
PRINCE RUPERT
PRINCE GEORGE
QUESNEL
KAMLOOPS
HOPE
TRAIL
VANCOUVER
QUEEN CHARLOTTE ISLANDS
VANCOUVER ISLAND
PACIFIC
OCEAN
U.S.A.
KILOMETRES

Excellent access to all areas of the property is available by well maintained roads along the Klondike River, Bonanza Creek, Hunker Creek, and Bear Creek.

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, border 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 narrow toward their head waters into steep-sided gulches ending in broad, amphitheatre-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.

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 831 claims (Figure 2). Pertinent claim information including operators of individual claims is listed in Table 1.

TABLE 1

COMPLETE LIST OF REGIONAL CLAIMS

Claims	Grants	Anniversary	Operator
SYNDICATE 1-40	YA79198-YA79237	16 Sep	Arbor Resources
SYNDICATE 41-83	YA79238-YA79280	16 Sep	Arbor Resources
DAWSON 1-24	YA79281-YA79304	14 Oct	Ebony Gold Corp
DAWSON 25-48	YA79305-YA79328	14 Oct	Dawson Syndicate
DAWSON 49-96	YA79329-YA79376	14 Oct	Perron Gold Mines
WILLIAM 1-8	YA79377-YA79384	18 Oct	Ebony Gold Corp
DAWSON 101-124	YA79385-YA79408	21 Oct	Tiburon Petroleum
DAWSON 126-132	YA79409-YA79415	21 Oct	Tiburon Petroleum
DAWSON 134-140	YA79416-YA79422	21 Oct	Tiburon Petroleum
DAWSON 141-180	YA79423-YA79462	21 Oct	Lockwood Petroleum
DAWSON 201-237	YA79463-YA79499	21 Oct	Texoro Resources
DAWSON 239-243	YA79500-YA79504	21 Oct	Texoro Resources
DAWSON 245-248	YA79505-YA79508	21 Oct	Texoro Resources
"83" 1-30	YA79509-YA79538	1 Dec	Arbor Resources
"83" 31-40	YA79539-YA79548	1 Dec	Dawson Syndicate
"98" 1-11	YA79549-YA79559	5 Dec	Dawson Syndicate
"98" 12	YA79560	5 Dec	Arbor Resources
"98" 13-16	YA79561-YA79564	5 Dec	H-L Corp
"98" 17	YA79565	5 Dec	Arbor Resources
"98" 18-21	YA79566-YA79569	5 Dec	H-L Corp
"98" 22	YA79570	5 Dec	Arbor Resources
"98" 23-27	YA79571-YA79575	5 Dec	H-L Corp
"98" 28	YA79576	5 Dec	Arbor Resources
"98" 29-60	YA79577-YA79608	5 Dec	H-L Corp
WILD 1	YA79609	5 Dec	Dawson Syndicate
WILD CARD	YA79610	5 Dec	Dawson Syndicate
CRAZY 1-27	YA79611-YA79637	17 Feb	Eastern Mines
SHARON 1-33	YA79638-YA79670	22 Feb	Standard Gold Mines
MOON 1-55	YA79671-YA79725	27 Feb	Gallant Gold Mines
ALPHA A-P	YA79850-YA79865	22 May	Silver Sceptre
PAULA 1-4	YA79866-YA79869	22 May	Dawson Syndicate
EHYOU 1-10	YA79870-YA79879	22 May	Gallant Gold Mines
NIAN 5-6	YA79915-YA79916	15 Jun	Dawson Syndicate
NIAN 11-12	YA79921-YA79922	15 Jun	Dawson Syndicate
HAWK 1-139	YA79989-YA80127	18 Jun	Arbor Resources
KH 1-10	YA80506-YA80515	18 Jun	Arbor Resources
BETSY 1-4	YA80516-YA80519	21 Jun	Tiburon Petroleum
HAWK 140-154	YA80797-YA80811	22 Jun	Arbor Resources
PLINC 1-35	YA84100-YA84134	3 Jul	Dawson Syndicate
PLINC 36-68	YA84135-YA84167	9 Jul	Dawson Syndicate
FILLER 1-8	YA84252-YA84259	16 Jul	Arbor Resources
"98" 1 PLUS	YA84260	16 Jul	Dawson Syndicate
"98" 3 PLUS	YA84261	16 Jul	Dawson Syndicate
ALPHA Q-T	YA84286-YA84289	24 Jul	Silver Sceptre
SHARON 35-39	YA84291-YA84295	24 Jul	Standard Gold Mines
PENIBE 1-31	YA84296-YA84326	24 Jul	Silver Sceptre
SHARON 40-59	YA84408-YA84427	1 Aug	Standard Gold Mines

TABLE 1 Continued

Claims	Grants	Anniversary	Operator
ZIP 1-40	YA84428-YA84467	8 Aug	Dawson Syndicate
FISH 1-24	YA84476-YA84499	24 Aug	Arbor Resources
SNAKE 3-25	YA84563-YA84585	4 Sep	Arbor Resources
SNAKE 25A	YA84586	4 Sep	Arbor Resources
SNAKE 26-46	YA84587-YA84607	4 Sep	Arbor Resources
FINIT 1-7	YA84608-YA84614	4 Sep	Arbor Resources
CLANCY 1-2	YA84615-YA84616	4 Sep	Arbor Resources
1FORTHEMONEY	YA84617	4 Sep	Arbor Resources
2FORTHESHOW	YA84618	4 Sep	Arbor Resources
3TOGETREADY	YA84619	4 Sep	Arbor Resources
LAUREL	YA84620	4 Sep	Arbor Resources
HARDY	YA84621	4 Sep	Arbor Resources
GROUCHO	YA84622	4 Sep	Arbor Resources
CHICO	YA84623	4 Sep	Arbor Resources
HARPO	YA84624	4 Sep	Arbor Resources

TABLE 1A

Claims Worked During 1985

Claims	Grants	Claims	Grants
SYNDICATE 42	YA79239	SYNDICATE 49	YA79246
SYNDICATE 63	YA79260	SYNDICATE 67-68	YA79264-265
SYNDICATE 70-73	YA79267-270	SYNDICATE 77	YA79274
DAWSON 101	YA79385	DAWSON 109	YA79393
DAWSON 117	YA79401	DAWSON 126-127	YA79409-410
DAWSON 134	YA79416	DAWSON 141-142	YA79423-424
DAWSON 149-150	YA79431-432	DAWSON 157-158	YA79439-440
DAWSON 165	YA79447	DAWSON 173-174	YA79455-456
DAWSON 177-180	YA79459-462	"83" 21-30	YA79529-538
"83" 32-35	YA79540-543	"83" 38-40	YA79546-548
"98" 3-9	YA79551-557	"98" 12-15	YA79560-563
"98" 17-20	YA79565-568	"98" 22-25	YA79570-573
"98" 29-32	YA79577-580	"98" 37-41	YA79585-589
"98" 47-49	YA79595-597	"98" 55-56	YA79603-604
ALPHA A	YA79850	ALPHA E-I	YA79854-858
ALPHA M-N	YA79862-863	HAWK 3-6	YA79991-994
HAWK 8	YA79996	HAWK 22	YA80082
HAWK 25	YA80013	HAWK 41-50	YA80029-038
HAWK 60-70	YA80048-058	HAWK 72	YA80060
HAWK 81-88	YA80069-076	HAWK 91-92	YA80079-080
HAWK 94	YA80082	HAWK 101-103	YA80089-091
HAWK 105-108	YA80093-096	HAWK 113-114	YA80101-102
HAWK 121-123	YA80109-111	HAWK 125	YA80113
HAWK 127	YA80115	HAWK 133-136	YA80121-124
HAWK 138	YA80126	BETSY 3-4	YA80518-519
HAWK 140	YA80797	HAWK 149-150	YA80806-807
HAWK 152	YA80809	ALPHA Q	YA84286

TABLE 1A Continued

Claims Worked During 1985

Claims	Grants	Claims	Grants
FISH 1-24	YA84476-499	SNAKE 3-25	YA84563-585
FISH 25A	YA84586	FISH 26-46	YA84587-607
FINIT 1-7	YA84608-614	CLANCY 1-2	YA84615-616
1FOR THE MONEY	YA84617	2FOR THE SHOW	YA84618
3TO GET READY	YA84619	LAUREL	YA84620
HARDY	YA84621	GROUCHO	YA84622
CHICO	YA84623	HARPO	YA84624
ZEPPO	YA84625		

TABLE 1B

CLAIMS ON WHICH 1985 REGIONAL WORK FILED

SYNDICATE 1-83	"83" 1-40	"98" 1-60	FISH 1-24	SNAKE 3-46
FINIT 1-7	CLANCY 1-2	1FOR...	2FOR...	3TO...
LAUREL	HARDY	GROUCHO	CHICO	HARPO
DAWSON 101-180	ALPHA A-T	PAULA 1-4	BETSY 1-4	PENIBE 1-31
WILD 1	WILD CARD	CRAZY 13-15	CRAZY 20, 25	HAWK 1-154

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 5.5 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 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. 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.

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 to be followed up during the 1984 field season.

The 1984 field season produced a total of 8 line kilometres of VLF-EM surveys, 6.8 line kilometres of magnetometer surveys, 6.75 line kilometres of horizontal loop EM surveys, 4.98 line kilometres of induced polarization surveys, 118 silt samples, 105 heavy mineral concentrate samples, 1,997 soil samples, 105 rock samples, 3.6 kilometres of road construction, 185 metres of trenching and 2,174 feet of diamond drilling. The majority of this work was carried out along Bonanza Creek between Adams Creek and Boulder Creek.

Results of the 1984 season outlined a number of areas of interest. These are summarized as:

(1) a northwest - southeast trending Pb, Zn, Cu, Fe, Ag soil anomaly centred on the ridge between Boulder and Adams Creeks

(2) an area of highly anomalous heavy mineral concentrates and stream sediment samples from Quigley Gulch and Bear Creek

and (3) a north - south trending magnetometer anomaly believed to be a shear zone running through some of the richest placer ground on Eldorado and Bonanza Creeks.

For further information on the 1984 field season refer to Questor Surveys report of 1984, Geoterrex reports (2) of October 1984, Gonzalez/Grunenberg reports (2) on 1984 diamond drilling in Dawson, and Grunenberg/Troup Geological, Geochemical and Geophysical report of February 1985.

1.6 WORK DONE BY DAWSON SYNDICATE IN 1985

Some of the information collected from the 1984 field season suggested that lode - gold in the Klondike area may be associated with a relatively late stage hydrothermal mineralizing event. The 1985 field season was approached with this possiblity in mind.

During the 1985 field season the following surveys were conducted:

(1) Prospecting and rock chip sampling of dredge tailings carried out along Bonanza Creek above Boulder Creek, along the Klondike River valley, and along the Hunker Creek valley.

(2) Detailed geology and rock chip sampling carried out on Dago Hill using a placer drain as a bedrock trench.

(3) Soil samples were taken along slopes at 50 metre intervals along both sides of Bonanza Creek from above Grand Forks to Mosquito Gulch, along the north side of Adams Creek, along Stampede Gulch, at the head of Big Skookum Gulch, along Last Chance Creek, and from Dago Hill, Paradise Hill, Preido Hill and Nugget Hill.

(4) Heavy mineral concentrate sampling was carried out along the Klondike River with an average sample spacing of 350 metres, and at several locations on Bonanza and Eldorado Creeks between Irish Gulch and Mosquito Gulch.

(5) Magnetometer surveys were carried out on lines roughly perpendicular to Bonanza Creek between Mosquito Gulch and Grand Forks, over Last Chance Creek (Fish claims), across the Klondike valley at Quigley and Henry Gulches, and over Paradise Hill parallel to Hunker Creek. VLF-EM surveys were also run over part of the Fish claim lines and over Paradise Hill.

2. GEOLOGY

2.1 GENERAL GEOLOGY

Bedrock exposures amount to less than one per cent of the area and are generally confined to gulches, recent landslide areas, and road cuts. When exposed, the bedrock is always deeply weathered. The claims are underlain by metamorphic rocks of unknown age, believed to be late Precambrian. These are referred to as the Klondike Schists. This series of metamorphics are locally intruded at numerous points by several types of intrusives. 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 andesite are dotted irregularly throughout the district.

The Klondike Schists were considered as 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 were initially thought to be genetically related to the occurrence of gold. The rocks of this series are 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. Ferro-magnesian minerals are almost entirely absent. The rocks are greatly crushed and altered, and in places they are almost entirely recrystallized. Narrow 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.

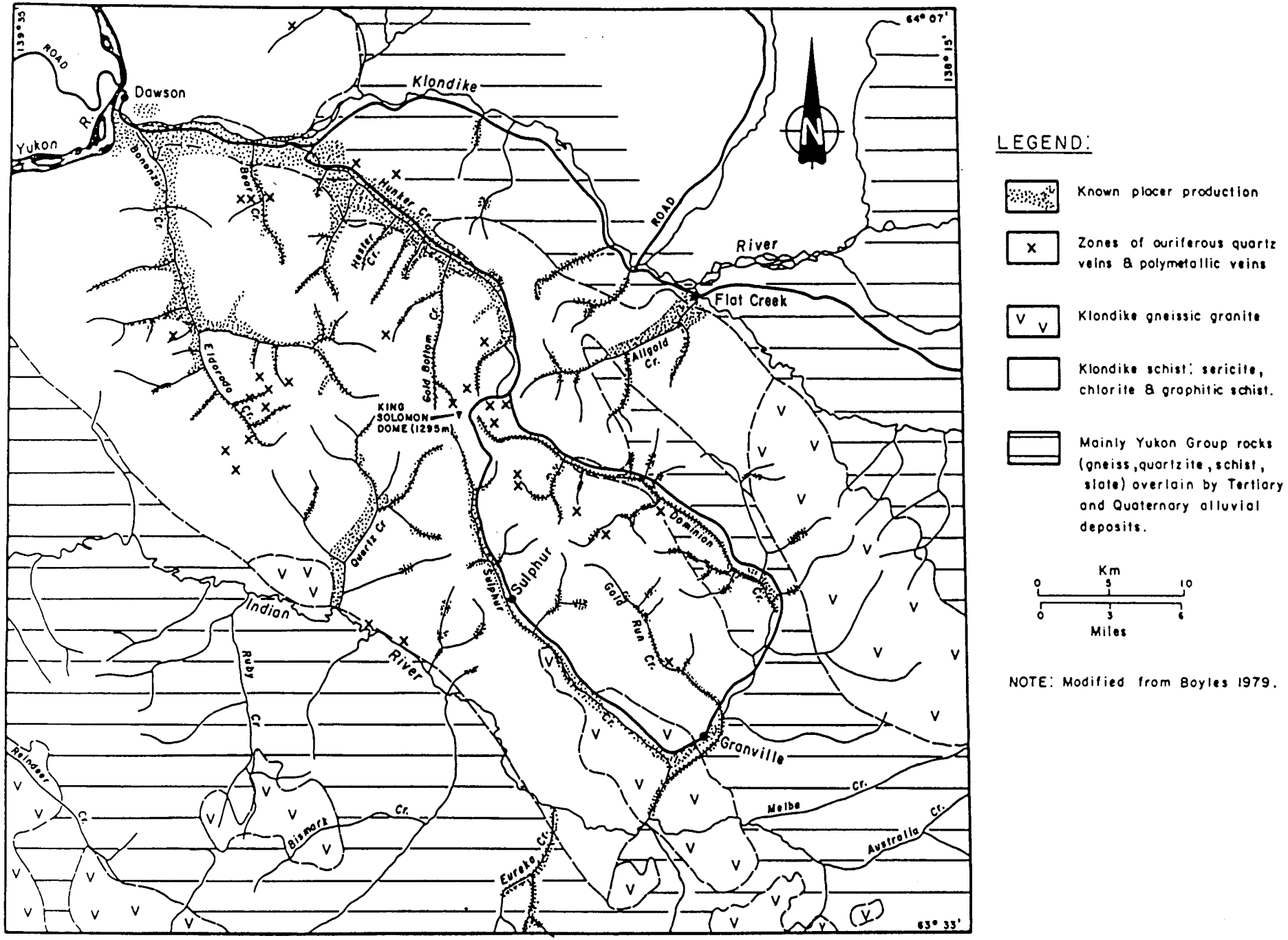


FIGURE 3 : Generalized geology of the Klondike Mining District, Yukon Territory.

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.

2.2 PROPERTY GEOLOGY

Geological mapping was carried out over all areas of the property during the 1984 field season. Much of this mapping was done concurrently with soil sampling to make use of rock chips which were often encountered during sampling. This data, supplemented by geophysical information (Questor survey) and government geology maps (Debicki, 1984) was used to compile a 1:50,000 scale geology map of the property. New geological information obtained during the 1985 field season resulted in a few changes being made to the 1984 map (Figure 4).

The majority of rocks underlaying the claim group belong to the Klondike schists. These are quartzofeldspathic schists containing varying amounts of chlorite, muscovite and sericite. Muscovite schist is the most common variety found, followed by chlorite schist, and sericite schist. The various schist types grade into one another, and contacts are often poorly defined. These rocks display a high degree of schistosity, and commonly contain porphyroblasts of quartz and/or feldspar. In the chlorite schist quartz porphyroblasts make up to 30% of the total rock. Graphite rich beds also occur within the Klondike schists. These stand out where visible in outcrop because of the contrasting black color within the light greens and greys of the surrounding schists. Graphitic beds are fairly continuous and are useful as marker horizons when following stratigraphy, especially along the Bonanza Creek side of the property. Graphite is closely associated with chlorite and sericite in graphitic schists, but is also found with marble to the west of

Bonanza Creek and in greenstones along the Klondike Valley. Bedding orientations indicate a general north-south strike with dips of 30° to 40° west. Contorted pods and lenses of quartz and quartz- calcite are common throughout the Klondike schists. These are plastically deformed to a high degree, and are generally aligned parallel to foliation. A later set of fracture filling quartz forms narrow stringers of up to 1 centimetre width which both crosscut and parallel foliations. The total amount of quartz in a given area may reach up to 50% of total rock, but averages approximately 20%. An area of coarsely crystalline white marble float was found near a tributary of Boulder Creek. It is assumed that this was derived from a unit within the Kondike schists.

To the west of the claim group Klondike schists are in contact with blocky weathering quartz-feldspar schists which in places contain upto 5% biotite. These rocks have a moderately strong, medium grained granitic texture with parallel alignment of biotite, and are not as highly cleaved as the Klondike schists. Thin section studies of these rocks (see Appendix) indicate that they were originally medium to coarse grained plutonic rocks of granodiorite to quartz diorite composition.

A porphyritic quartz-feldspar schist was mapped in places along Bonanza Creek. This rock has a bleached white matrix with disc shaped quartz blebs throughout, and is interpreted as being either a premetamorphic sill with a possible origin genetically related to the granitic body to the west, or as a siliceous rhyolitic tuff segment of the Klondike schists. Thin section studies (see Appendix) suggest that this rock is a recrystallized rhyolite tuff, which would place it as one of the original beds now comprising the Klondike schists.

Late tertiary volcanism is present as basalt dykes, as well as andesite dykes, flows and tuffs. These younger volcanic rocks are closely associated with clastic sediments which together comprise the Carmacks group as mapped by H.S.Bostock.

2.2.1 ALTERATION AND MINERALIZATION

The possiblility of hydrothermally altered zones on the property became evident when heavy mineral concentrate samples collected in 1984 were reanalysed for arsenic in early 1985 (see Figure 13). Source areas for arsenic were especially apparent on the Hunker Creek side of the property. Bedrock exposures on bench placer operations along Hunker Creek further supported the hydrothermal alteration possibility. On Nugget Hill secondary cementation of white channel gravels by an iron rich solution was found overlaying pyritiferous graphitic schists. Highly pervasively clay altered bedrock was found on Paradise, Preido and Dago Hills in trenches which reached up to 15 metres depth. Soil samples and rock chip samples from these areas commonly show high arsenic, mercury or antimony values.

Traces of galena, sphalerite, and chalcopyrite were found along with disseminated pyrite in quartz and in sheared country rock on the ridge between the headwaters of Adams and Boulder Creeks, and with mariposite (fuchsite) on Stampede Gulch. This mineralization is related to an extensive soil geochemical anomaly which parallels the contact between Klondike schists and the meta-granitic rocks to the west. Further work is needed to determine the significance of this anomalous zone.

Gold mineralization has recently been reported on properties to the immediate south of Dawson Syndicate claim holdings, on both sides of Eldorado Creek. Trenching and drilling on these properties has turned up values to 0.3 ounces per ton gold in quartz veins, and adjacent country rocks in some locations. Geological trends as mapped to date suggests that these gold bearing structures could extend onto ground now owned by Dawson Syndicate.

2.2.2 STRUCTURE

Collected field data suggests that at least two events of folding has occurred, one around a northwest-southeast trending fold axis,

followed by a second around an east-west trending fold axis. Evidence from other areas in the region suggests that four deformational events have affected the area, ranging from those related to regional metamorphism, to more localized, lower grade, minor folds.

Faulting along graphitic schists is apparent along Bonanza Creek, and along Hunker Creek to the Klondike River valley. Slickensides were found within outcrops at the mouth of Boulder Creek and on Cheechako Hill, suggesting that normal faulting to some degree has occurred within this bed. More outstanding is the tectonic melange found along some of the benches of Hunker Creek, which suggests that a higher degree of faulting has occurred parallel to the creek valley. Serpentinite float, and altered ultramafics are found along portions of the suspected fault zone. Much of the bedrock along the zone displays a high degree of clay alteration suggesting that a variety of solutions has permeated along the fault zone at different times. In other areas, abundant topographic linears suggest that small scale steep faults may be common.

3. GEOPHYSICS

3.1 Magnetometer Survey

3.1.1 Instrument and Survey Techniques

Two Model G-816 Proton Precision Magnetometers manufactured by Geometrics were utilized on this programme. The G-816 magnetometer is designed for precise mapping of very small or large amplitude anomalies and is ideal for detail follow-up of aeromagnetic reconnaissance surveys. Total Field measurements can be read with a resolution of about 1 gamma throughtout the instrument's measuring range. One G-816 was used for field measurements while the second unit was combined with an automatic analog recording device (Model G-826, Base Station System) to monitor the earth's total magnetic field including time variations and magnetic storms. All values recorded on grid lines were corrected for diurnal and day to day variations. All readings were recorded at 25 metre intervals along the grid lines.

3.1.2 Field Procedures

A summary of four different areas surveyed using the proton magnetometer are outlined below. A total of 27.5 line kilometers of survey was carried out. Locations of individual lines and grids is shown on Figure 5.

(i) Bonanza Creek

Results of the 1984 airborne magnetometer survey outlined a distinctive linear magnetic "low" which roughly parallels Bonanza Creek. This feature was covered by ground follow-up to further distinguish the position and shape of the anomaly. This follow-up consisted of 12 chained and flagged lines constructed to cross the anomaly at various points along 5 kilometres of its strike length. The ground survey covered nearly 16 line kilometers, and approximately 640 individual magnetometer readings were recorded.

The corrected data received from this survey is plotted on Figure 6 as line profiles. Shallow cultural effects (metallic waste, power lines, etc.) on the readings were removed by averaging the data over 5 reading intervals to produce a rolling mean.

(ii) "Fish" Claims

Three reconnaissance magnetometer survey lines were run on the Fish claims, crossing Last Chance Creek. Two of these lines were run along staking lines, and the third line was run intermediate to these two, to a total ground coverage of 7.4 line kilometers. Roughly 300 individual magnetometer responses were recorded. The corrected data is plotted on Figure 7 as line profiles. Shallow cultural effects have been removed using a 5 station rolling mean.

(iii) Paradise Hill

A single line magnetic survey was run over Paradise Hill, paralleling Hunker Creek, to establish the position and strength of a broad magnetic high outlined by the 1984 airborne survey. Forty-three individual magnetometer responses were recorded at 25 metre intervals, to a total of 1050 metres of line. The corrected data for this survey is profiled on Figure 8.

(iv) Klondike Valley

Geological mapping along the Klondike River valley and benches placed a major contact between graphitic schists and muscovite-chlorite-quartz schists, roughly paralleling the valley south of the Klondike River.

Evidence elsewhere suggests that faulting may have occurred along the graphitic beds which may be an important control of hydrothermal mineralization in the area. Three strategically placed magnetometer survey lines were run across the valley floor to further explore the possibility of an existing fault and/or contact paralleling the valley. The corrected data for this survey is

10 as line profiles. Shallow cultural effects have been removed using a 5 station rolling mean.

3.1.3 Discussion of Results

The Bonanza Grid survey confirms the existence and position of a magnetically "low" zone of interest as identified by the airborne survey. The anomaly is most pronounced across Queen Gulch (LQ), where no correlation could be made between outcropping rock types and the magnetic response of the area. Therefore, it is felt that the magnetic trend may be outlining a relatively deep seated structure. There is a general weakening of the anomalous zone to the north of Queen Gulch, and it appears to be diverging into two zones by the time it reaches Mosquito Gulch (L43N). To the south of Queen Gulch the anomaly trends into, and follows, the Bonanza Creek valley to Cheechako Hill. Responses recorded along the valley floor are not totally dependable because of the abundance of metallic debris left from years of placer mining in the valley. Lines 0N and 4N also crossed a second anomalously low area of magnetism approximately 1 kilometre east of Bonanza Creek. Preliminary geological mapping shows a relative abundance of quartz veins in the area of this anomaly, but it is uncertain if any correlation between the two can be made.

The Fish Grid survey appears to have been unsuccessful in locating any significant magnetic anomalies. The bedding of bedrock generally trends parallel to the direction at which the lines were run, possibly explaining the lack of responses. The few anomalies received are felt to be unimportant, not warranting any follow-up.

The single line which was run across Paradise Hill confirms the existence and position of a broad magnetically high area as identified by the airborne survey. Lack of outcrops in the area makes a direct geological correlation impossible, but serpentinite bodies surface to the east of the survey area, and an extension of these is likely reponsible for the magnetic high.

The KL-1, KL-2 lines which were run across the Klondike valley show magnetic reponses which were notably high at location 8+00S. A crossing power line was later found to explain these anomalies. The high responses recorded at station 0+00 on both lines may represent the change from Klondike schists to serpentinite rocks which are noted to be present in dredge tailings near the Klondike River. Samples of serpentinite collected near this location were found to contain chalcopyrite and native copper suggesting that further prospecting of this contact may be warranted. The KL-3 line which crosses the valley further to the west was found to be magnetically noisy. The amount of metallic debris left in the dredge tailings along this line was felt to be too overwhelming for readings along here to be reliable.

3.2 VLF-EM 16

3.2.1 Instrument and Survey Techniques

A Geonics EM-16 unit was used to carry out VLF-EM surveys on the property. Using the submarine transmitting station in Seattle, Washington (NLK, 24.8 kHz), readings were taken at 25-metre intervals along flagged lines running obliquely to the direction of the station. At each station readings were taken in an easterly direction so that west dips were indicated as negative readings.

Three VLF-EM 16 survey lines were surveyed on the property. Two of these lines were run on the Fish claims coincidental to magnetometer survey lines. The other line was run over Paradise Hill also coincidental to a magnetometer survey line (see locations on Figure 5). Total VLF-EM 16 ground surveys covered 3.9 line kilometres, and 200 individual readings were recorded.

3.2.2 Presentation and Discussion of Results

Results of the surveys are shown on profile plots Figures 8 and 11. Line LF-1 on the Fish claims shows conductive areas at both ends of the

line. At 1+75E a conductor is found coincidental to a boggy area in a valley bottom. No geological explanation could be found to explain this conductor. At 11+50E a strong conductor was located. Geological mapping in the area discovered that graphitic schist bands trend near this area and these are likely the source of this conductor. On line LF-3 the most prominant feature is an area of conductivity at 15+00E. This conductor is coincidental with Last Chance Creek, which has been interpreted as a fault valley at this location from airborne geophysical information. Further work could be done here to delineate conductive zones and correlate them with the geology in the area.

The Paradise Hill line crossed one strong conductor and three weaker conductive zones. Graphitic rocks have been noted in the area, as well as much placer mining related equipment, which may explain some of the conductors. More work would be needed here to correlate conductive zones with bedrock sources, and to sort out conductors related to metallic mining debris.

4. GEOCHEMISTRY

4.1 Heavy Mineral Concentrate Sampling

4.1.1 Sampling, Sample Preparation and Analytical Procedures

A total of 42 heavy mineral concentrate samples were taken on the property during the work period. The majority of these were taken along the Klondike River using an average sample spacing of 350 metres with sample locations being dependent on gravel availability. The rest of the samples were taken along Bonanza and Eldorado Creeks at an average sample spacing of 500 metres. To ensure that enough heavy mineral concentrate was obtained, 50-100 kg samples of gravel were sieved to minus 10 mesh, the coarse fraction discarded and the remaining fine fraction panned down to approximately 0.5 kg. Sample test sites were indicated by numbered colored flagging, and samples were placed into plastic bags bearing the corresponding number.

Samples were shipped to Chemex Labs Ltd. in North Vancouver where they were further concentrated by heavy liquid separation and magnetic mineral separation. The non-magnetic fraction was crushed to minus 200 mesh and analysed for 30 elements by ICP-AES analysis. All samples were fire assayed and measured for gold content by atomic absorption.

4.1.2 Presentation and Discussion of Results

Sample locations for all samples taken during the 1984 and 1985 seasons are shown on Figure 12. Results of the 1984 survey can be found in Dawson Syndicate's Assessment Report dated February 1985. The 1984 samples had not been analysed for arsenic, the importance of which was realized in the spring of 1985, so these samples were reanalyzed for arsenic as part of the 1985 programmme. The results for arsenic are shown on Figure 13. Other plotted results are shown

on Figures 14 to 16. Copies of Chemex Labs Certificates of Analysis for all samples can be found in the Appendix. It is felt that the total number of samples was too small, and the results too highly skewed, for a meaningful statistical analysis to be done. Therefore, the data is best interpreted as it is plotted.

Sample HMC47 was taken from a placer miner's concentrate after mining several areas as shown on the location map. This sample contains extremely high amounts of gold, and has a Ag/Au ration of approximately 1:1,000. Also of notable interest was the high Pb and W, moderately high As, and relatively low Fe in the sample. Rocks which have contained the best gold after assaying have also contained visible galena so that a Pb - Au association may be important. Moderately high Pb was found in all six of the Bonanza - Eldorado Creek samples taken in 1985. It is not yet known how important arsenic values are to the exploration of gold in this area, but observations of results from the 1984 and 1985 samples show high arsenic in many areas of the property. Samples from Last Chance Creek contained the highest string of arsenic values leading up to an apparent source (3,200 ppm) approximately 1500 metres upstream from Hunker Creek where a geochemically anomalous area of soil samples also exists. The apparent source of arsenic on Bear Creek appears to be near its headwaters (1580 ppm) and on Hester Creek the highest result was found about one half of the way up from Hunker Creek.

The Klondike River samples contain relatively low amounts of all the analysed elements. No conclusions can yet be made from the few scattered anomalous samples that are present.

4.2 Soil Sampling

4.2.1 Sampling, Sample Preparation, and Analytical Procedures.

Soil sampling surveys were carried out over several areas on the property. The majority of samples were taken along lines which contoured along slopes enabling the sampler to stay within a more

favourable sampling elevation and to avoid contamination from gold bearing placer channels. Samples were taken at spacings of 50 metres. The areas covered in this manner were Stampede Gulch south slope, Adams Creek north slope, Eldorado Creek east slope, Bonanza Creek east slope from Gauvin Gulch to Mosquito Gulch, and Last Chance Creek west slope. Other soil samples were taken off of bedrock on several placer benches along Hunker and Bonanza Creeks. These were analysed so that geochemical signatures of various rock types could be ascertained. All samples were placed in numbered Kraft envelopes and sample locations were marked with colored plastic flagging tape bearing the corresponding number. Samples were shipped to Chemex Labs Ltd. in North Vancouver for analysis. A total of 372 'B' horizon soil samples were taken.

In the laboratory, samples were oven-dried and sieved to minus 10 mesh. The coarse fraction was then discarded and the fine fraction pulverized and analysed for gold by atomic absorption. Analysis for 30 other elements was obtained using an Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES) analysis.

4.2.2 Treatment, Presentation, and Discussion of Results

Soil line and grid locations with the corresponding sample number intervals are shown in Figure 17. Copies of Chemex Labs Certificates of Analysis for all samples can be found in the Appendix. In order to interpret results, a statistical study was done to separate anomalous from background values for nine elements of greatest interest. Using the background population, threshold values were determined as the mean plus two standard deviations ($x + 2s$) so that all values higher are considered anomalous. The mean plus three standard deviations ($x + 3s$) is considered highly anomalous. Threshold and highly anomalous values for 9 elements are given in Table 2. Sample results for Ag-Au, Pb-Zn, Fe-Cu, and Cr-Ni have been plotted on Figures 18 to 29. Molybdenum values were plotted where they were notably significant.

Table 2

Mean, Threshold, and Highly Anomalous Element Values in Soil Samples

Element	Mean (X)	Threshold (X+2s)	Highly Anomalous (X+3s)
Ag	0.3	0.7	0.9 ppm
Au	6	14	18 ppb
As	14	39	51 ppm
Cr	69	128	158 ppm
Cu	19	58	77 ppm
Fe	2.54	4.65	5.71 %
Ni	20	55	72 ppm
Pb	21	40	49 ppm
Zn	69	131	162 ppm

The Adams Creek line shows an anomalous area of Cr, Ni and Fe at location AC01. This line should be continued to the west to better outline the anomaly, but it is likely that values here are reflecting a larger geochemical anomaly of multiple elements located immediately to the west. This large zone was discovered during the 1984 soil sampling programme. Au and Ag values were obtained in the area of samples AC20 to AC30 where some bench placer mining has taken place in the past, making these samples suspect of contamination from gold bearing gravels.

The Bonanza Creek grid showed numerous anomalies for various elements. The best Au values were obtained north of Adams Creek and at the southernmost end of sampling beside Eldorado Creek. At sample KG77 north of Adams Creek a high gold value was found coincident with high As and extremely high Sb (4,510 ppm). A high gold value obtained at the southern end of the Eldorado line suggests a gold source in this area. In general, a strong correlation exists between anomalous Au

values and anomalous As on the Bonanza grid. Anomalous values of Pb and Cr are often found adjacent to areas of anomalous Au suggesting that these may be good indicator elements.

The most outstanding feature of the Last Chance Creek sampling lines is a multi-element anomalous zone centred within the Dawson 180 claim. Within this zone, moderate Au and Ag values are associated with strong Pb, Zn, Cu, Mo, Cr, Ni, and As values. Highly anomalous samples of Cr and Ni collected along the benches of Hunker Creek likely reflect the presence of serpentinite rocks which have been mapped in the area.

4.3 Rock Chip Sampling

4.3.1 Sampling and Sample Treatment

Rock chip samples were taken across interesting outcrops and areas of float during geological mapping and prospecting on various parts of the claim group. A more detailed chip survey was carried out within a placer drain which cut to bedrock across Dago Hill. Sample sites were marked by writing the sample number on coloured flagging tape. The samples were then placed in bags bearing the corresponding number. A total of 123 rock samples were collected in this manner.

Samples were shipped to Chemex Labs Ltd. in North Vancouver where they were crushed to minus 200 mesh and fire assayed for gold. A perchloric-nitric acid digestion followed by atomic absorption analysis was used when samples were being analysed for other elements.

4.3.2 Presentation and Discussion of Results

Location of rock sample sites are shown on Figure 30. A brief description of individual samples with the corresponding geochemical results for samples collected along Bonanza Creek, The Klondike River, and Hunker Creek are shown in Tables 3, 4, 6, and 7. The Dago Hill sample results are shown with their corresponbding sample

intervals in Table 5. Detailed geological information on Dago Hill, with 5 metre intervals used for sampling, is shown in Figure 31.

Only one quarter of the rock chip samples taken gave gold results which were within the detection limits of analysis. The majority of these were only minimally above detection. The highest gold results (to 0.096 oz/t) are commonly found in rocks containing visible galena, and/or a high percentage of pyrite, whether in quartz or country rocks. Copper values to 4.5% were obtained from rocks near or within the serpentinite/greenstone bodies found along the Klondike River valley.

The Dago Hill trench sampling showed very little gold or silver in the rocks, but arsenic values were notably high. The highest arsenic values appear to be associated with cross cutting vein materials, suggesting that a relatively recent hydrothermal solution passed through fractures within these rocks. High Sb and Hg values were also obtained from samples of these rocks.

Table 3

Location, Assay Values and Description of Rock Chip Samples.

Klondike River Dredge Tailings

Sample	Description	Oz/T Ag	Oz/T Au	Cu
85CL38	20% pyrite in graphitic schist	0.09	0.008	
85CL38	Rusty vuggy quartz	<0.01	<0.002	
85CL39	Siliceous graphitic schist, Ga+Py	2.19	0.018	
85CL40	Quartz with pyrite	0.08	0.004	
85CL41	Siliceous graphitic schist, 5% Py	0.32	0.024	
85CL41B	Fine pyrite in quartz carbonate	0.60	0.022	
85CL42	Sugary quartz with fine pyrite	0.08	0.010	
85CL43	Sugary quartz with 10% pyrite	0.02	<0.002	
85CL44	Banded, fine Py in graphitic schist	0.01	0.002	
85CL46	Fine pyrite in quartz	0.03	<0.002	
85CL47	Fine pyrite in quartz-musc schist	0.02	<0.002	
85CL48	Fine pyrite in quartz-musc schist	0.08	<0.002	
85CL52	Sugary quartz with Cp	0.45	<0.002	4.5 %
85CL53	Fine pyrite in greenstone	0.03	<0.002	
85CL54	15% Py in greenstone	0.03	<0.002	
85P08	Serpentinite w/Cu, Cp, malachite, azurite	0.02	0.002	5000 ppm
85P09	Serpentinite with quartz and Py	0.01	<0.002	
85P10	Quartz in graphitic schist w/Py+Ga	1.02	0.096	
85P11	Graphitic schist w/quartz and Py	0.10	0.012	
95447	Quartz in graphitic schist with Py	0.01	0.002	

Table 4

Location, Assay Values and Description of Rock Chip Samples.

Hunker Creek Dredge Tailings and Benches

Sample	Description	Oz/T Ag	Oz/T Au	PPM As	PPB Hg	PPM Sb
85P06	O/c graphitic schist with Py	<0.30	0.070			
85CL32	Graphitic muscovite schist w/Py	0.03	<0.002	4	160	0.7
85CL33	Graphitic schist w/diss Py	0.02	<0.002	17	110	1.0
85CL34	50% pyrite in Qtz-graphite schist	1.80	0.012	470	60	1.6
85CL35	Quartz carbonate vein with pyrite	0.04	0.004	20	70	1.8
85CL36	O/c altered Qtz feldspar Ppry dyke	0.03	0.004	410	60	7.4
85CL45	Sericite schist with pyrite	0.03	<0.002			
95446	O/c altered serpentinite, Mg, FeOx	<0.01	<0.002	55	30	1.9
95442	O/c quartz in tertiary sediments	0.02	0.002			

Table 5

Location, Assay Values and Description
of Rock Chip Samples.

Dago Hill
(For geological descriptions see Figure 31)

Sample	Interval (m) and Side	Oz/T Ag	Oz/T Au	PPM As	PPB Hg	PPM Sb
83379	Grab	0.03	0.038			
83380	Grab	0.01	0.002			
83400	0-5 N	<0.01	<0.002	7	70	0.8
13702	0-5 S	<0.01	<0.002	17	70	1.2
13703	5-10 N	<0.01	<0.002	6	50	0.4
13704	(Offshoot to N) 12	<0.01	<0.002	5	50	0.4
13705	10-15 N	<0.01	0.004	77	120	0.8
13706	(Offshoot to S) 12	<0.01	<0.002	110	90	6.6
13707	15-20 N	<0.01	<0.002	75	80	4.4
13708	20 (2cm vein) N	0.07	0.012	2900	130	4.0
13709	20-25 N	<0.01	<0.002	140	50	2.8
13710	25-30 N	<0.01	<0.002	33	60	1.4
13711	27 (15cm vein) N	<0.01	<0.002	5	20	1.0
13712	30 (2cm vein) N	0.03	<0.002	61	80	5.4
13713	(Offshoot to N) 40	<0.01	<0.002	35	60	0.4
13714	(Offshoot to N) 40	0.01	<0.002	78	70	1.0
13715	35-40 S	0.01	<0.002	170	40	6.6
13716	30-40 S	0.01	<0.002	1100	40	10.8
13717	30-40 S	<0.01	0.004	310	30	1.8
13718	30-35 N	<0.01	<0.002	32	150	3.0
13719	35 (3cm vein) N	<0.01	<0.002	14	120	1.4
13720	40-45 N	<0.01	<0.002	53	180	0.8
13721	45-55 N	<0.01	<0.002	4	50	0.8
13722	40-50 S	0.03	<0.002	110	70	1.8
13723	55-55.5 S	0.01	<0.002	4	30	0.9
13724	58-58.5 S	0.08	<0.002	1000	60	1.8
13725	60m (shear) S	0.01	0.002	67	40	2.2
13726	55-60 S	0.01	0.002	16	40	0.8
13727	55-60 N	<0.01	<0.002	27	100	0.9
13728	60-65 N	<0.01	<0.002	38	40	0.6
13729	60-65 N	<0.01	0.002	33	100	0.6
13730	60-65 S	<0.01	<0.002	41	60	1.4
13731	65-70 N	0.01	<0.002	71	60	2.0
13732	65-70 S	0.01	<0.002	100	80	1.2
13733	70 (Shear) N	0.01	<0.002	770	50	7.0
13734	70-80 N	<0.01	<0.002	16	40	1.0
13735	70-80 S	0.01	<0.002	190	40	3.6
13736	80-85 S	<0.01	<0.002	17	40	1.2
13737	80-81 (Shear) N	0.01	0.004	320	40	3.2
13738	80-90 N	0.01	<0.002	110	40	2.4
13739	81-82 S	0.03	<0.002	1400	40	14.2
13740	80-85 S	0.01	<0.002	720	30	3.6

Table 5 Continued

Location, Assay Values and Description
of Rock Chip Samples.

Dago Hill
(For geological descriptions see Figure 31)

Sample	Interval (m) and Side	Oz/T Ag	Oz/T Au	PPM As	PPB Hg	PPM Sb
13741	100-110 N	0.11	0.006	38	90	4.4
13742	120-125 S	0.03	<0.002	16	50	1.6
13743	95 (Shear) S	0.03	<0.002	100	50	1.3
13744	165-170 S	0.01	<0.002	9	70	0.3
13745	166 (Vein) S	0.08	0.036	290	60	0.8
13746	175-180 S	0.02	<0.002	25	60	0.3
13747	175-185 N	<0.01	<0.002	22	60	0.5
13748	180-185 S	<0.01	<0.002	15	190	0.8
13749	190 (Bleb) S	0.01	<0.002	7	50	0.1
13750	185-195 N	0.03	<0.002	5	90	0.2
95401	190-195 S	<0.01	<0.002	39	110	0.3
95402	195-210 S	0.05	<0.002	6	260	0.1
95403	195-202 N	0.01	<0.002	100	50	0.2
95404	198-210 N	<0.01	<0.002	55	40	0.4
95405	230 (Shear) S	0.04	<0.002	55	80	0.4
95406	265 (Vein) N	<0.01	<0.002	190	40	0.9
95407	228 (Vein) S	<0.01	<0.002	6	40	0.1
95408	228 (Vein) S	0.06	<0.002	10	160	0.6
95445	255 (Grab)	0.01	0.002	610	40	7.0

Table 6

Location, Assay Values and Description of Rock Chip Samples.

Bonanza Creek Area

Sample	Description	Oz/T Ag	Oz/T Au	PPM Cu	PPM Pb	PPM zn	PPM As
85CL01	Quartz vein or pod	0.03	0.002				
85CL02	Quartz vein or pod	0.03	<0.002				
85CL03	Quartz vein or pod	<0.01	<0.002				
85CL04	Quartz vein or pod	<0.01	<0.002				
85CL05	Quartz vein or pod	<0.01	<0.002				
85CL06	Quartz vein or pod	<0.01	<0.002				
85CL07	Quartz vein or pod	<0.01	<0.002				
85CL08	Quartz vein or pod	0.08	<0.002				
85CL15	Quartz w/Py, Ga, (float)	0.28	<0.003				
85CL16	Quartz w/fine sulfide bands	0.14	<0.003				
85CL17	Quartz, mariposite and Py	0.15	0.002	238	443	680	
85CL18	Pocky quartz float	<0.01	<0.002				
85CL22	Dredge tailings, Lowe's fract	1.7g/t	<0.07g/t				
85CL23	Dredge tailings, Lowe's fract	2.5g/t	<0.07g/t				
85CL49	Quartz, muscovite schist, 28% Py	0.17	<0.002				
85CL50	Quartz, muscovite schist, 15% Py	0.06	<0.002				
85CL51	Graphitic schist, 10% Py	<0.01	<0.002				
85L01	Quartz pod from pit	0.01	<0.002				
85L02	Quartz float, Py, CPy	<0.01	<0.002				
85L03	Quartz vein, Py	0.03	<0.002				
85L04	Siliceous breccia	0.03	0.004				
85L07	Quartz vein	<0.01	<0.002				
85L08	Quartz float, Py	0.01	<0.002				
85L69	Quartz muscovite schist, Py	0.01	<0.002				
85P12	White rhyolite, FeOx, bxwrks	0.05	0.002				
85P13	Rhyolite-sericite schist contact	0.02	0.002				
85P14	Chlorite, muscovite schist, limonite	0.02	0.002				
85P15	Foliaform quartz, feldspar	0.03	<0.002				
85P16	Quartz, CPy, Py	1.36	0.002	88			
85P17	Quartz vein, Py	0.04	<0.002	53			
85A01	Chlorite schist on road cut	0.01	<0.002				
83381	Quartz w/sulfide bands	0.01	<0.002	18	28	158	
				PPM As	PPB Hg	PPM Sb	
95444	Rusty quartz, Monte Carlo Gulch	<0.01	<0.002	10	50	0.7	

5. CONCLUSIONS AND DISCUSSIONS

Results of the 1985 programme outlines three main areas of interest. These areas are summarized below:

(1) A linear magnetic "low" was outlined in a regional airborne survey and further delineated using ground magnetic surveys. This linear trends parallel to Bonanza Creek to the east, and continues south along Eldorado Creek. No geological expression was found at surface which would explain the phenomenon, but it is believed to be related to a moderately deep seated fault structure. Results of soil sampling over the linear suggests that gold mineralization in the area may be related to hydrothermal activity, controlled by the fault structure. Trenching, and possibly drilling of this linear may be the only sufficient method to further explore its source.

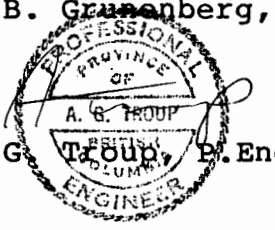
(2) An extensive northwest-southeast Cu, Pb, Zn and Ag soil geochemical anomaly which lies to the west of Bonanza Creek was outlined during the 1984 field season. Some of the samples taken during the 1985 season further substantiated this anomalous zone, and delineated a second similar zone towards the head of Last Chance Creek. The shape and trend of these anomalies suggests that they are stratigraphically controlled. In both areas the anomalies are situated about 500 metres west of a carbonaceous schist unit suspected to be the same horizon repeated by folding or faulting.

(3) Hydrothermally altered zones of bedrock and overlying gravels have been mapped on several of the benches

immediately southwest of Hunker Creek. Over these areas highly anomlous levels of As, Sb and Hg are present in rocks and soils. Further work is needed to determine the controlling structures and to delineate possible gold bearing horizons within this hydrothermal field.

Respectfully submitted

P.B. Grunenberg, B.Sc.



A.G. Troup, P.Eng.

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7. REFERENCES

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COST STATEMENT
DAWSON PROJECT
1 JUNE - 30 SEPTEMBER 1985

GENERAL COSTS

Food and Accommodation 4 pers, 247 mdays @ $27.74		$ 6,852.86
Rentals		
Mark 4wd Bronco 31May-27Sep, 94 days @ $43	$4,042.00	
Ezekiel Fld Equipment, 238 mdays @ $6	1,428.00	
Ezekiel Chain Saw, 8 days @ $30	240.00	
Spence Laycock, Equipment Storage Facility	270.00	
Hertz Marquis Sedan, 15Jul	55.65	
Visa 4wd Bronco, 16-19Jul	450.01	6,485.66
Fuel		1,924.61
Fixed Wing		
Hastings Travel 3Jul, 2CPAIR VCR-DAW RTN	$1,537.00	
Maple Leaf Travel 15Jul, 3CPAIR VCR-DAW RTN	2,754.00	4,291.00
Maintenance		
1,064.35		
Supplies		
1,848.01		
Road Repair		
G. Caley Placers	$1,580.00	
A. Fry Cat 13.5hrs and Operator	2,280.00	3,860.00
Shipping and Postage		3,449.01
Field Telephone Service		390.00
Consultant Fees - Archean Engineering Ltd.		11,143.50
Expediting and Data Handling Services		7,699,93
Report Preparation		3,300.00
TOTAL GENERAL COSTS		$52,308.93

PROSPECTING COST

Salaries Wages & Benefits		
L. Dandy	$ 664.62	
P. Grunenberg	775.38	
C. Little	2,964.50	
E. Timoshenko	-	4,404.50
General Costs Apportioned		
48/247 X $52,308.93		10,165.30
TOTAL PROSPECTING COST		**$14,569.80**

GEOCHEMICAL SURVEY COST

Salaries Wages & Benefits				
L. Dandy			$ 2,990.77	
P. Grunenberg			2,769.23	
C. Little			592.90	
E. Timoshenko			340.00	6,692.90
Assays & Analyses				
Vancouver Petrographics	4 Sections, Report		$ 179.00	
Chemex Labs Soils	2	30-element ICP @ $8.50	17.00	
	656	AU & 30-element ICP @ $16.29	10,683.95	
	50	AU HG & 30-element ICP @ $18.75	937.50	
Pulps	25	AU @ $6.25	156.25	
	21	SN @ $4	84.00	
	35	30-element ICP @ $6.50	227.50	
Silts	1	AU & 30-element ICP	14.75	
HMC	4	30-element ICP @ $20.50	82.00	
	56	AU & 30-element ICP @ $26.75	1,498.00	
Rocks	4	AU @ $11.25	45.00	
	79	AG AU @ $16.92	1,336.35	
	5	CU AG AU @ $21.15	105.75	
	1	AS AG AU	24.75	
	1	ZN AG AU	23.25	
	1	PB ZN AG AU	17.15	
	4	CU PB ZN AG AU @ $21.55	86.20	
	68	AS HG SB AG AU @ $25.50	1,734.00	
	22	AU 9AG 3CU 6PB 5ZN @ $16.34	359.48	
	2	30-element ICP @ $6.50	13.00	
Supplies			150.00	17,774.88
General Costs Apportioned				
63/247 X $52,308.93				13,341.96
TOTAL GEOCHEMICAL SURVEY COST				**$37,809.74**

GEOPHYSICAL SURVEY COST

Salaries Wages & Benefits		
L. Dandy	$ 3,101.53	
P. Grunenberg	2,326.15	
C. Little	1,016.00	
E. Timoshenko	170.00	6,614.08
Rentals		
Kangeld B/Sta Proton Mag 31May-30Sep, 5 days @ $27	$ 135.00	
Proton Mag #1 31May-30Sep, 12 days @ $27	324.00	
Proton Mag #2 31May-30Sep, 9 days @ $27	243.00	
Gallant EM-16 31May-30Sep, 13 days @ $27	351.00	1,053.00
General Costs Apportioned		
63/247 X $52,308.93		13,341.96
TOTAL GEOPHYSICAL SURVEY COST		**$21,009.04**

GEOLOGICAL SURVEY COST

Salaries Wages & Benefits		
L. Dandy	$ 3,323.08	
P. Grunenberg	4,430.77	
C. Little	84.70	
E. Timoshenko	85.00	7,923.55
General Costs Apportioned		
72/247 X $52,308.93		15,247.95
TOTAL GEOLOGICAL SURVEY COST		**$23,171.50**

STATEMENT OF QUALIFICATIONS

A. TROUP, P.ENG.

ACADEMIC

1967	B.Sc. Geology	McMaster University, Ontario
1969	M.Sc. Geochemistry	McMaster University, Ontario

PRACTICAL

1981 -	3605 Creery Ave. West Vancouver, B.C.	Consulting Geologist with Archean Engineering Ltd.
1977 - 1980	Geological Survey of Malaysia	Project Manager on a CIDA supported mineral exploration survey over peninsular Malaysia.
1969 - 1977	Rio Tinto Canadian Exploration Ltd. Vancouver, B.C.	Geologist involved in all aspects of mineral exploration in B.C., the Yukon and N.W.T.
1968	McMaster University Dept. of Geology Hamilton, Ontario	M.Sc. thesis work. Reconnaissance mapping and geochemical study, Lake Shubenicadia area, Nova Scotia.
1967 (summer)	Canex Aerial Exploration Ltd. Toronto, Ontario	Geologist in charge of detailed mapping and reconnaissance geochemical program in Gaspe, Quebec
1966 (summer)	Mcmaster University Dept. of Geology Hamilton, Ontario	Detailed and reconnaissance mapping in Northern Ontario.
1965 (summer)	International Nickel Co. of Canada Thompson, Manitoba	Detailed mapping in the Thompson area, Manitoba.
1964 (summer)	Geological Survey of Canada Ottawa, Ontario	Regional geochemical survey in the Keno Hill area, Yukon.

STATEMENT OF QUALIFICATIONS (continued)

PERRY GRUNENBERG, B.Sc.

ACADEMIC

1982	B.Sc. in Geology	The University of British Columbia

PROFESSIONAL

1985	Mark Management Ltd. Vancouver, B.C.	Project Geologist on geological, geophysical and geochemical surveys near Dawson, Y.T.
1984	Mark Management Ltd. Vancouver, B.C.	Project Geologist on geological, geophysical, geochemical and diamond drilling programmes near Dawson, Y.T.
1983	Strato Geological Engineering Ltd. Vancouver, B.C.	Project Geologist contracted to work properties near Virginia City, Nevada, Wenatchee, Washington, and several locations in southern B.C.
1982	P and L Exploratio[illegible] Vancouver, B.C.	Geologist involved in evaluating potential placer gold prospects near Quesnel and Princeton, B.C.

SUMMER EMPLOYMENT

1981	Mark M[illegible]nagement limited	Assistant Party Chief
1980	Kennco Explorations	Senior Assistant
1979	Riocanex	Junior Assistant
1978	Riocanex	Junior Assistant

APPENDIX I

GEOCHEMICAL RESULTS CERTIFICATES

HMC RESULTS

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

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

CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8515431-001-A
INVOICE # : I8515431
DATE : 10-SEP-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
HMC 02	350	1.23	0.2	20	2190	<0.5	<2	1.58	1.0	18	109	41	4.90	<10	0.03	50	0.60	751	4	0.02	59	2180	24	<10	56	0.39	<10	30	159	<10	120	--
HMC 03	1620	1.28	0.2	30	2900	<0.5	<2	1.70	1.0	18	80	49	4.91	<10	0.05	60	0.63	740	3	0.03	46	2730	24	<10	68	0.38	10	30	148	<10	130	--
HMC 04	70000	1.19	44.0	70	2430	<0.5	<2	1.50	1.0	19	89	40	6.07	<10	0.04	50	0.61	1184	4	0.03	51	1940	20	<10	58	0.46	<10	<10	208	<10	120	--
HMC 05	2800	1.59	0.2	20	1870	<0.5	<2	1.91	1.0	17	92	47	5.59	<10	0.05	40	0.77	828	3	0.05	45	2240	18	<10	69	0.46	<10	10	174	<10	130	--
HMC 06	<10	1.62	0.2	20	2610	<0.5	<2	2.06	1.0	17	82	45	5.64	<10	0.05	50	0.76	806	3	0.05	44	2830	20	<10	84	0.46	<10	10	171	<10	130	--
HMC 07	10	1.69	0.2	20	1880	<0.5	<2	2.08	0.5	17	114	39	6.30	<10	0.04	50	0.75	1067	3	0.04	44	2210	18	<10	75	0.53	<10	<10	201	<10	120	--
HMC 08	<25	1.63	0.2	30	3420	<0.5	<2	2.20	0.5	21	85	50	5.99	<10	0.04	60	0.82	935	2	0.05	53	3020	18	<10	81	0.47	<10	<10	165	<10	150	--
HMC 09	420	0.82	0.8	140	300	<0.5	<2	1.19	1.5	59	68	104	9.10	<10	0.02	40	0.70	889	11	0.01	84	2800	86	<10	65	0.22	<10	<10	80	20	200	--
HMC 10	50	1.15	0.2	80	580	<0.5	<2	1.58	1.0	30	89	70	6.94	<10	0.03	80	0.66	946	6	0.03	57	2830	58	<10	68	0.33	<10	<10	124	10	150	--
HMC 11	<15	1.08	0.2	70	740	<0.5	<2	1.51	0.5	26	71	69	6.69	<10	0.02	90	0.63	980	5	0.02	55	2700	54	<10	64	0.32	<10	<10	117	<10	140	--
HMC 12	<20	1.80	0.2	60	190	<0.5	<2	2.08	1.0	25	107	82	6.97	<10	0.04	50	0.86	942	4	0.06	66	2870	26	<10	81	0.35	<10	<10	132	10	150	--
HMC 13	4900	1.93	0.2	70	100	<0.5	<2	2.06	1.0	33	104	108	7.94	<10	0.03	40	0.87	1083	5	0.06	86	2360	142	<10	72	0.37	<10	<10	169	10	130	--
HMC 14	<25	1.51	0.2	70	200	<0.5	<2	2.03	1.0	36	91	67	9.89	<10	0.04	60	0.71	1158	5	0.05	63	2880	156	<10	75	0.57	<10	<10	161	10	140	--
HMC 15	50	1.78	0.2	40	140	<0.5	2	1.93	0.5	26	89	117	6.57	<10	0.06	70	0.90	991	4	0.09	65	2460	30	<10	77	0.40	<10	<10	154	10	140	--
HMC 16	nss	1.13	0.2	40	3620	<0.5	<2	1.90	1.0	23	200	72	8.73	<10	0.05	130	0.60	1099	5	0.03	71	3200	36	<10	89	0.57	<10	10	259	20	160	--
HMC 17	<10	1.68	0.2	40	1630	<0.5	2	2.04	0.5	26	75	72	6.13	<10	0.03	40	0.83	963	3	0.04	59	3230	24	<10	84	0.39	<10	<10	166	<10	150	--
HMC 18	<25	1.53	0.2	50	1480	<0.5	<2	1.96	1.0	24	77	75	6.17	<10	0.03	40	0.79	886	4	0.04	58	3400	26	<10	82	0.35	<10	<10	146	<10	160	--
HMC 19	<10	1.25	0.2	60	1710	<0.5	<2	1.75	1.0	20	66	68	5.43	<10	0.03	30	0.68	772	4	0.02	50	4170	20	<10	91	0.23	<10	<10	111	<10	150	--
HMC 20	<10	1.11	0.2	120	120	<0.5	<2	1.54	1.5	31	69	91	7.95	<10	0.02	30	0.61	761	6	0.02	70	3700	24	<10	64	0.29	<10	<10	150	<10	270	--
HMC 21	50	1.54	0.2	90	120	<0.5	<2	1.81	1.5	32	62	104	8.36	<10	0.03	30	0.74	1190	7	0.04	80	3390	26	<10	71	0.29	<10	<10	143	<10	190	--
HMC 22	15	1.41	0.2	40	480	<0.5	<2	2.27	1.0	21	101	49	6.63	<10	0.06	70	0.78	978	4	0.04	52	4770	26	<10	106	0.41	<10	<10	142	<10	160	--
HMC 23	150	1.24	0.2	40	550	<0.5	<2	2.10	1.0	19	71	48	6.21	<10	0.07	80	0.70	881	4	0.03	49	4520	34	<10	101	0.41	<10	10	128	<10	160	--
HMC 24	10	1.30	0.2	70	50	<0.5	<2	1.76	1.0	24	66	90	8.12	<10	0.05	40	0.75	732	4	0.04	69	3710	30	<10	76	0.35	<10	<10	131	<10	160	--
HMC 25	<50	1.88	0.2	50	1210	<0.5	<2	2.55	0.5	24	88	63	6.13	<10	0.05	50	0.90	957	3	0.06	60	4380	28	<10	106	0.38	<10	<10	149	<10	160	--
HMC 26	300	1.47	0.2	110	840	<0.5	<2	2.29	0.5	25	76	69	6.21	<10	0.04	60	0.86	938	4	0.03	58	4500	28	<10	92	0.38	<10	<10	135	<10	170	--
HMC 27	<50	1.56	4.0	160	90	<0.5	2	1.54	1.0	34	81	132	9.22	<10	0.07	50	0.96	1188	7	0.07	78	2320	422	<10	47	0.33	<10	<10	133	<10	240	--
HMC 29	450	1.54	0.2	140	30	<0.5	<2	2.15	1.0	33	95	74	9.44	<10	0.03	40	0.64	1083	4	0.04	63	2980	34	<10	58	0.53	<10	<10	159	<10	120	--
HMC 30	6500	1.37	6.8	70	140	<0.5	<2	1.88	0.5	23	85	69	6.94	<10	0.03	60	0.63	1203	4	0.03	52	2160	24	<10	54	0.55	<10	<10	174	<10	130	--
HMC 31	35	1.37	0.8	70	40	<0.5	<2	1.55	1.0	33	72	111	7.85	<10	0.03	40	0.73	617	4	0.07	84	1790	42	<10	40	0.38	<10	<10	153	<10	130	--
HMC 32	15	1.59	0.4	90	50	<0.5	<2	2.13	1.0	42	76	85	9.32	<10	0.03	40	0.76	1025	5	0.05	85	2920	32	<10	61	0.47	<10	<10	160	<10	170	--
HMC 33	550	1.60	0.2	100	140	<0.5	<2	2.13	0.5	32	90	71	7.54	<10	0.02	40	0.76	1062	4	0.04	64	2740	34	<10	64	0.49	<10	<10	168	<10	150	--
HMC 34	25	1.30	0.2	150	170	<0.5	<2	1.99	1.0	51	89	108	12.08	<10	0.04	60	0.67	893	11	0.06	100	2890	42	<10	63	0.58	<10	<10	137	<10	200	--
HMC 35	1250	1.48	0.2	50	2010	<0.5	<2	2.26	0.5	26	79	74	6.34	<10	0.03	40	0.72	899	7	0.03	63	3820	28	<10	85	0.42	<10	<10	165	<10	170	--
HMC 36	3300	1.26	0.2	80	140	<0.5	<2	1.90	1.0	25	71	68	6.73	<10	0.02	50	0.67	930	5	0.04	59	3270	38	<10	63	0.45	<10	<10	145	<10	160	--
HMC 37	2700	1.21	0.2	70	290	<0.5	<2	2.02	0.5	35	79	66	6.70	<10	0.02	60	0.63	953	4	0.02	54	3170	32	<10	60	0.56	<10	<10	170	<10	150	--
HMC 38	20	1.09	0.4	200	60	<0.5	<2	1.66	0.5	40	77	67	11.78	<10	0.01	40	0.64	853	5	0.03	75	2630	68	<10	46	0.49	<10	<10	144	<10	160	

Certified by .....

Chemex Labs Ltd.

·Analytical Chemists ·Geochemists ·Registered Assayers

212 Brooksbank Ave.
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Telex: 043-52597

CERTIFICATE OF ANALYSIS

ATT : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER. B.C.
V6B 1N2

CERT. # : A8[illegible]41-001-A
INVOICE # : I[illegible]41
DATE : 9 [illegible]-85
P.O. # : NONE
DAWSON

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since the 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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
HMC 47	100000	0.30	104.0	350	340	<0.5	10	0.38	0.5	18	134	735	7.63	10	0.02	60	0.05	1774	19	<0.01	35	580	8370	210	44	0.14	10	<10	34	1520	100	--
HMC 48	13000	0.93	8.6	620	10	<0.5	<2	2.60	5.0	177	73	307	28.43	10	0.07	30	0.48	1290	12	0.01	149	8980	212	20	105	0.19	<10	<10	66	<10	340	--
HMC 49	nss	1.13	5.2	360	30	<0.5	4	2.33	4.0	150	106	301	27.59	10	0.10	40	0.47	1388	13	<0.01	119	5730	682	20	106	0.15	<10	<10	123	<10	270	--
HMC 50	10000	0.92	1.6	390	90	<0.5	12	2.24	2.5	142	106	223	28.19	30	0.07	80	0.43	1331	11	<0.01	117	7170	972	20	132	0.51	10	<10	165	<10	240	-
HMC 51	750	0.94	7.0	270	60	<0.5	4	2.35	3.0	118	109	224	24.70	10	0.05	50	0.42	1208	10	<0.01	88	4890	242	10	128	0.10	<10	<10	158	<10	230	--
HMC 52	nss	1.27	7.2	130	80	<0.5	2	2.70	1.5	80	119	158	19.95	20	0.07	80	0.38	1144	8	<0.01	95	3370	130	10	152	0.14	<10	<10	180	<10	150	-
85 DS 01	1080	1.28	2.4	220	80	<0.5	6	2.67	5.0	187	42	295	19.45	10	0.02	10	0.86	1316	5	<0.01	59	>9999	88	10	58	0.13	<10	<10	85	<10	250	--
85 DS 02	1950	1.42	0.2	150	3760	<0.5	4	2.57	1.0	96	193	66	15.05	70	0.07	80	0.38	2781	8	0.01	87	4950	62	20	107	1.22	<10	<10	184	<10	110	-
85 DS 03	1550	0.83	0.2	290	>9999	<0.5	10	1.58	1.0	53	115	58	16.42	50	0.04	250	0.25	1749	10	<0.01	58	4100	54	10	207	0.66	40	<10	104	<10	190	--
85 DS 04	3550	0.93	0.2	30	1050	<0.5	6	2.04	<0.5	20	128	6	5.64	40	0.03	140	0.44	760	2	0.02	27	6320	42	<10	60	0.47	20	<10	118	<10	50	-
85 DS 05	580	1.32	2.0	280	120	<0.5	4	2.29	2.0	170	55	242	20.07	<10	0.03	20	0.34	1369	6	<0.01	65	8150	86	10	54	0.13	<10	<10	34	<10	150	--
85 DS 06	nss	1.46	4.6	30	1050	<0.5	2	2.59	0.5	32	182	34	8.58	50	0.06	100	0.83	1454	2	0.05	39	3350	68	10	92	0.61	20	10	220	<10	90	-
85 DS 07	1400	1.34	2.6	210	110	<0.5	4	2.63	3.5	249	92	326	22.87	10	0.03	30	0.73	1606	6	<0.01	75	6350	274	10	78	0.14	<10	<10	135	<10	140	--
85 DS 08	240	1.36	1.6	180	60	<0.5	2	1.53	1.0	260	137	332	17.85	20	0.02	30	0.86	1092	6	<0.01	81	2710	38	10	54	0.45	<10	<10	101	<10	110	--
85 DS 09	1060	1.35	1.8	120	820	<0.5	2	1.48	0.5	132	88	136	16.42	20	0.03	20	0.65	1180	4	<0.01	47	2520	38	10	70	0.35	<10	<10	102	<10	80	--
85 DS 10	150	1.94	0.6	10	550	<0.5	<2	3.70	1.0	15	152	40	5.58	30	0.07	110	0.43	2870	2	0.01	26	5620	30	<10	175	0.18	30	<10	115	<10	90	-
85 DS 11	200	1.54	0.2	10	3560	<0.5	8	2.60	0.5	14	229	12	10.77	110	0.04	310	0.32	1347	3	0.04	32	4020	18	20	162	1.14	130	40	306	<10	70	--

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR2010940

Heather Buchholz

Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8516084-001-A
INVOICE # : I8516084
DATE : 17-SEP-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: P. GRUNENBERG

Sample description	Au ppb FA+AA	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	
HMC 40	4350	0.54	4.4	380	780	<0.5	<2	1.44	5.5	217	48	284	27.74	<10	0.01	50	0.35	1338	15	0.01	101	5620	234	<10	101	0.14	<10	<10	90	<10	280	--
HMC 41	<50	0.59	2.0	260	4740	<0.5	2	1.94	6.5	218	34	287	24.94	<10	0.01	60	0.36	1210	13	0.01	138	8520	248	<10	161	0.07	<10	<10	86	<10	450	--

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SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR2010/400

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•Analytical Chemists •Geochemists •Registered Assayers

V6B 1N2

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.

CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8516941-001-A
INVOICE # : I8516941
DATE : 9-OCT-85
P.O. # : NONE
DAWSON

COMMENTS :
ATTN: ART TROUP ✓ CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
HMC 47	100000	0.30	104.0	850	340	<0.5	10	0.38	0.5	18	134	735	7.63	10	0.02	60	.05	1774	19	<0.01	35	580	8370	210	44	0.14	10	<10	34	1520	100	--
HMC 48	13000	0.93	8.6	620	10	<0.5	<2	2.60	5.0	177	73	307	28.43	10	0.07	30	.48	1290	12	0.01	149	8980	212	20	105	0.19	<10	<10	66	<10	340	--
HMC 49	nss	1.13	5.2	360	30	<0.5	4	2.33	4.0	150	106	301	27.59	10	0.10	40	.47	1388	13	<0.01	119	5730	682	20	106	0.15	<10	<10	123	<10	270	--
HMC 50	10000	0.92	1.6	390	90	<0.5	12	2.24	2.5	142	106	223	28.19	30	0.07	80	0.43	1331	11	<0.01	117	7170	972	20	132	0.51	10	<10	165	<10	240	--
HMC 51	750	0.94	7.0	270	60	<0.5	4	2.35	3.0	118	109	224	24.70	10	0.05	50	0.42	1208	10	<0.01	88	4890	242	10	128	0.10	<10	<10	158	<10	230	--
HMC 52	nss	1.27	7.2	130	80	<0.5	2	2.70	1.5	80	119	153	19.95	20	0.07	80	0.38	1144	8	<0.01	95	3370	130	10	152	0.14	<10	<10	180	<10	150	--
85 DS 01	1080	1.28	2.4	220	80	<0.5	6	2.67	5.0	187	42	295	19.45	10	0.02	10	.86	1316	5	<0.01	59	>9999	88	10	58	0.13	<10	<10	85	<10	250	--
85 DS 02	1950	1.42	0.2	150	3760	<0.5	4	2.57	1.0	96	193	66	15.05	70	0.07	80	.38	2781	8	0.01	87	4950	62	20	107	1.22	<10	<10	184	<10	110	--
85 DS 03	1550	0.83	0.2	290	>9999	<0.5	10	1.58	1.0	53	115	58	16.42	50	0.04	250	.25	1749	10	<0.01	58	4100	54	10	207	0.66	40	<10	104	<10	100	--
85 DS 04	3550	0.93	0.2	20	1050	<0.5	6	2.04	<0.5	22	129	6	5.64	40	0.03	140	0.44	760	2	0.02	27	6320	42	<10	60	0.47	20	<10	118	<10	50	--
85 DS 05	560	1.22	2.0	280	120	<0.5	4	2.29	2.0	170	55	242	20.07	<10	0.03	20	0.84	1369	6	<0.01	65	8150	36	10	54	0.13	<10	<10	84	<10	150	--
85 DS 06	nss	1.46	4.6	20	1050	<0.5	2	2.59	0.5	32	182	34	8.58	50	0.06	100	0.63	1454	2	0.05	39	3350	68	10	92	0.61	20	10	220	<10	90	--
85 DS 07	1400	1.34	2.6	210	110	<0.5	4	2.63	3.5	249	92	326	22.87	10	0.03	30	.73	1606	6	<0.01	75	6350	274	10	78	0.14	<10	<10	135	<10	140	--
85 DS 08	240	1.36	1.6	180	60	<0.5	2	1.53	1.0	260	137	332	17.85	20	0.02	30	.80	1092	6	<0.01	81	2710	38	10	54	0.45	<10	<10	101	<10	110	--
85 DS 09	1060	1.35	1.8	130	820	<0.5	2	1.48	0.5	132	88	136	16.42	20	0.03	20	.65	1180	4	<0.01	47	2520	38	10	20	0.35	<10	<10	102	<10	80	--
85 DS 10	150	1.94	0.6	10	550	<0.5	<2	3.70	1.0	15	152	40	5.58	30	0.07	110	0.45	2870	2	0.01	26	5620	30	<10	175	0.18	30	<10	115	<10	90	--
85 DS 11	200	1.54	0.2	10	3560	<0.5	8	2.60	0.5	14	229	12	10.77	110	0.04	310	0.52	1347	2	0.04	32	4020	18	20	162	1.14	130	40	300	<10	70	--

Certified by Hart Bichler

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR2010400

Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8516502-001-A
INVOICE # : I8516502
DATE : 26-SEP-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
HMC 42	<100	1.00	<0.4	160	8400	<1.0	4	1.99	1.0	81	69	133	12.80	10	0.02	70	0.49	781	5	<0.02	51	6750	140	20	207	0.17	<20	<20	67	<20	300	--
HMC 43	<50	1.26	<0.4	90	6080	<1.0	<4	0.95	2.0	99	64	108	14.38	10	0.04	50	0.82	1440	5	<0.02	39	2560	168	<20	135	0.14	<20	<20	73	<20	220	--
HMC 44	<50	0.44	<0.4	100	4020	<1.0	<4	0.51	4.0	147	42	211	20.93	20	0.05	120	0.21	3227	6	<0.02	40	1450	338	<20	163	0.08	<20	<20	50	<20	260	--
HMC 45	<100	0.41	1.0	100	30	<0.5	<2	0.36	2.5	113	40	71	30.82	10	0.11	70	2.10	1448	10	0.01	28	1820	224	10	38	0.04	<10	<10	60	<10	450	--
HMC 46	<100	1.59	1.0	70	3090	<0.5	<2	1.16	0.5	63	86	71	11.04	10	0.03	50	0.95	579	3	<0.01	40	2600	128	<10	86	0.16	<10	<10	116	<10	100	--

Certified by Hart Bichler

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR20108400

SOIL RESULTS

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR20109A/0

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•Analytical Chemists •Geochemists •Registered Assayers

CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CONT. # : A8513728-001-A
INVOICE # : I8513728
DATE : 18-JUL-88
P.O. # : NONE
DAWSON

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 :
ATTN: ART IPCUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
KG 001	<5	1.59	0.2	<10	210	<0.5	<2	0.22	<0.5	5	6	4	3.27	<10	0.39	<10	0.65	292	<1	<0.01	6	380	4	<10	19	0.15	<10	<10	24	<10	70	--
LS 001	650	1.25	1.0	10	450	<0.5	<2	0.15	<0.5	6	21	14	1.85	<10	0.12	20	0.50	251	<1	<0.01	10	420	38	<10	17	0.01	<10	<10	16	<10	60	--
LS 002	190	0.93	0.2	<10	300	<0.5	<2	0.10	<0.5	3	10	4	1.12	<10	0.08	40	0.45	203	<1	<0.01	7	180	10	<10	10	0.02	<10	<10	11	<10	40	--

Certified by ../Hart Bichler..

Chemex Labs Ltd.

•Analytical Chemists *•Geochemists* *•Registered Assayers*

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CERTIFICATE OF ANALYSIS

IG : AMPOR RESOURCES INC.

1500 - 675 W. HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

** CERT. # : A8513798-001-A
INVOICE # : I8513798
DATE : 18-JUL-85
P.O. # : NONE
DAWSON

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 :
ATTN: PERRY GRUNENBERG

Sample description	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		
AB-1	0.61	0.2	<10	290	<0.5	<2	0.16	<0.5	3	65	<1	0.24	<10	0.28	40	0.02	18	<1	<0.01	23	80	22	<10	21	<0.01	<10	<10	1	<10	10	--	--
AB-2	0.62	0.2	<10	330	<0.5	<2	0.07	<0.5	1	41	<1	0.26	<10	0.22	60	0.04	6	<1	<0.01	1	100	16	<10	10	<0.01	10	<10	1	<10	20	--	--

Certified by: Hart Bichler

2 D.F.

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR2019400

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8514221-001-A
INVOICE # : I8514221
DATE : 9-AUG-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
FG001	<5	1.20	0.2	10	170	<0.5	<2	0.09	<0.5	5	60	19	1.93	<10	0.09	10	0.45	209	<1	0.01	10	130	12	<10	10	0.06	<10	<10	26	<10	80	--
FG002	<5	1.14	0.2	10	480	<0.5	<2	0.17	<0.5	5	68	16	1.83	<10	0.09	20	0.33	229	<1	0.01	11	230	10	<10	19	0.08	<10	<10	37	<10	60	--
FG003	<5	2.02	0.2	20	360	<0.5	<2	0.24	<0.5	9	91	39	3.17	<10	0.21	20	0.92	571	<1	0.01	18	320	18	<10	22	0.11	<10	<10	51	<10	170	--
FG004	<5	2.01	0.2	20	350	<0.5	<2	0.24	<0.5	8	89	43	3.02	<10	0.21	20	0.92	425	1	0.01	16	390	22	<10	24	0.11	<10	<10	46	<10	180	--
FG005	<5	2.13	0.4	20	340	<0.5	2	0.20	<0.5	10	88	43	3.13	<10	0.19	20	1.21	608	1	0.01	15	420	28	<10	21	0.08	<10	<10	38	<10	230	--
FG006	<5	1.44	0.2	10	370	<0.5	2	0.16	<0.5	9	92	28	2.46	<10	0.26	40	0.71	338	2	0.01	10	280	38	<10	19	0.06	<10	<10	27	<10	140	--
FG007	<5	1.75	0.8	20	590	0.5	<2	1.00	<0.5	9	55	34	2.42	10	0.16	60	0.50	540	1	0.01	18	500	24	<10	72	0.05	<10	<10	33	<10	90	--
FG008	<5	1.98	0.2	20	750	<0.5	<2	0.25	<0.5	8	63	20	3.33	<10	0.13	20	0.47	293	1	0.01	22	300	16	<10	27	0.11	<10	<10	67	<10	50	--
FG009	<5	1.68	0.2	10	780	<0.5	<2	0.19	<0.5	8	69	15	2.61	<10	0.17	20	0.46	426	<1	0.01	17	230	18	<10	18	0.09	<10	<10	49	<10	40	--
FG010	<5	1.39	0.2	10	380	<0.5	<2	0.10	<0.5	5	61	10	2.21	<10	0.34	20	0.52	201	<1	0.01	9	160	18	<10	9	0.07	<10	<10	23	<10	60	--
FG011	5	1.32	0.6	10	630	<0.5	<2	0.19	<0.5	7	89	14	2.01	<10	0.18	20	0.29	507	<1	0.02	13	330	26	<10	20	0.05	<10	<10	35	<10	30	--
FG012	10	1.58	0.4	10	830	<0.5	<2	0.27	<0.5	9	74	18	2.48	<10	0.16	30	0.39	574	<1	0.01	20	250	16	<10	25	0.08	<10	<10	50	<10	40	--
FG013	<5	1.50	0.4	10	420	<0.5	<2	0.20	<0.5	6	84	19	2.30	<10	0.20	10	0.39	187	<1	0.01	15	200	12	<10	20	0.08	<10	<10	43	<10	40	--
FG014	<5	1.26	0.2	10	270	<0.5	<2	0.16	<0.5	5	60	15	2.15	<10	0.20	10	0.38	169	1	0.01	13	300	14	<10	13	0.06	<10	<10	35	<10	40	--
FG015	<5	1.36	0.4	10	580	0.5	<2	0.23	<0.5	5	82	20	2.16	<10	0.19	20	0.35	197	<1	0.01	13	280	16	<10	19	0.07	<10	<10	41	<10	40	--
FG016	<5	1.77	0.2	20	470	<0.5	<2	0.28	<0.5	7	65	14	2.55	<10	0.12	20	0.44	228	1	0.01	15	200	16	<10	23	0.10	<10	<10	60	<10	40	--
FG017	<5	1.68	0.2	10	600	0.5	<2	0.35	<0.5	9	88	23	2.49	<10	0.14	30	0.39	233	1	0.02	18	320	16	<10	29	0.09	<10	<10	51	<10	40	--
FG018	<5	1.54	0.2	10	670	<0.5	<2	0.40	<0.5	9	110	14	2.26	<10	0.14	30	0.35	362	<1	0.03	14	310	16	<10	31	0.09	<10	<10	46	<10	40	--
FG019	<5	1.62	0.2	10	450	<0.5	<2	0.37	<0.5	8	72	19	2.55	<10	0.11	20	0.45	226	<1	0.02	18	420	10	<10	28	0.09	<10	<10	51	<10	40	--
FG020	<5	1.55	0.4	10	410	<0.5	<2	0.30	<0.5	8	107	13	2.57	<10	0.16	20	0.40	320	<1	0.02	16	500	16	<10	26	0.09	<10	<10	51	<10	40	--
FG021	<5	1.58	0.2	10	340	<0.5	<2	0.25	<0.5	7	114	14	2.35	<10	0.15	20	0.41	211	<1	0.02	15	240	14	<10	23	0.10	<10	<10	48	<10	40	--
FG022	<5	1.38	0.2	10	300	<0.5	<2	0.32	<0.5	8	111	13	2.15	<10	0.16	20	0.36	242	1	0.02	13	280	12	<10	26	0.10	<10	<10	46	<10	30	--
FG023	<5	2.02	0.4	20	280	<0.5	<2	0.22	<0.5	8	84	17	3.13	<10	0.18	10	0.45	247	1	0.01	17	290	20	<10	19	0.10	<10	<10	61	<10	50	--
FG024	<5	1.04	0.6	<10	600	<0.5	<2	0.30	<0.5	4	115	6	1.32	<10	0.25	20	0.20	260	<1	0.02	7	230	20	<10	25	0.04	<10	<10	27	<10	30	--
FG025	<5	1.37	0.6	<10	900	0.5	<2	0.31	<0.5	10	80	10	2.01	<10	0.13	30	0.29	1065	<1	0.02	14	240	22	<10	27	0.07	<10	<10	41	<10	30	--
FG026	<5	1.23	0.8	<10	540	<0.5	<2	0.25	<0.5	5	63	4	2.21	<10	0.10	10	0.26	404	<1	0.01	10	330	12	<10	20	0.05	<10	<10	42	<10	40	--
FG027	10	1.30	0.4	10	390	<0.5	<2	0.24	<0.5	7	78	10	2.27	<10	0.12	20	0.40	324	<1	0.01	14	360	16	<10	18	0.06	<10	<10	42	<10	40	--
FG028	5	1.14	0.2	<10	310	<0.5	<2	0.16	<0.5	5	62	5	1.90	<10	0.10	10	0.31	153	<1	0.01	9	120	12	<10	12	0.04	<10	<10	36	<10	30	--
FG029	<5	1.24	0.4	<10	340	<0.5	<2	0.10	<0.5	5	70	5	2.50	<10	0.44	10	0.45	380	1	0.01	7	380	22	<10	12	0.06	<10	<10	31	<10	80	--
FG030	<5	1.43	0.2	10	680	<0.5	<2	0.30	<0.5	7	97	12	2.33	<10	0.15	20	0.36	367	<1	0.02	13	260	18	<10	25	0.05	<10	<10	43	<10	30	--
FG031	5	2.26	0.4	10	1100	0.5	<2	0.69	<0.5	12	76	30	2.88	<10	0.16	30	0.53	610	1	0.01	18	510	20	<10	48	0.06	<10	<10	50	<10	50	--
FG032	<5	1.85	0.2	10	590	0.5	<2	1.06	<0.5	13	81	21	2.46	<10	0.14	20	0.55	609	<1	0.01	17	410	18	<10	54	0.09	<10	<10	47	<10	50	--
FG033	<5	2.31	0.4	10	460	<0.5	<2	0.39	<0.5	12	94	48	3.39	<10	0.13	10	0.83	371	<1	0.01	19	270	14	<10	28	0.13	<10	<10	60	<10	80	--
FG034	<5	2.13	1.4	20	410	<0.5	<2	0.38	<0.5	11	85	47	3.19	<10	0.12	10	0.69	441	<1	0.01	19	280	12	<10	24	0.10	<10	<10	64	<10	90	--
FG035	<5	1.80	1.0	10	510	0.5	<2	0.23	<0.5	19	73	37	2.79	<10	0.13	30	0.47	1290	<1	0.02	16	380	24	<10	21	0.08	<10	<10	52	<10	70	--
FG036	<5	1.27	1.0	10	350	<0.5	<2	0.20	<0.5	5	92	20	2.17	<10	0.19	20	0.33	296	<1	0.01	11	270	14	<10	15	0.05	<10	<10	36	<10	50	--
FG037	<5	0.97	0.4	<10	440	<0.5	<2	0.12	<0.5	3	114	8	1.24	<10	0.25	10	0.11	245	<1	0.01	6	240	14	<10	15	0.01	<10	<10	18	<10	30	--
FG038	<5	1.28	0.4	<10	600	<0.5	<2	0.31	<0.5	5	91	13	2.20	<10	0.22	20	0.32	340	<1	0.02	13	160	16	<10	23	0.08	<10	<10	46	<10	40	--
FG039	<5	2.96	0.8	20	1170	0.5	<2	0.64	<0.5	18	77	47	4.12	<10	0.17	20	1.14	1318	<1	0.01	23	280	14	<10	30	0.05	<10	<10	83	<10	170	--
FG040	<5	3.33	0.6	20	1130	<0.5	<2	0.72	<0.5	21	99	58	4.74	<10	0.20	10	1.61	613	<1	0.01	29	260	12	<10	34	0.10	<10	<10	122	<10	80	--

Certified by Heath Bickstein

SYSTEMS HOUSE FORMS LIMITED VANCOUVER TH2U9A40

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8514221-002-A
INVOICE # : I8514221
DATE : 9-AUG-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
FG041	<5	2.21	0.6	40	820	<0.5	<2	0.24	<0.5	22	41	50	3.58	<10	0.20	30	0.63	902	<1	0.01	31	310	30	<10	22	0.07	<10	<10	53	<10	130	--
FG042	<5	1.79	0.8	20	720	0.5	<2	0.18	<0.5	9	40	33	2.52	<10	0.14	30	0.35	377	<1	0.01	15	240	64	<10	17	0.06	<10	<10	40	<10	70	--
FG043	<5	1.78	0.4	10	690	<0.5	<2	0.20	<0.5	6	43	10	2.70	<10	0.14	20	0.40	314	<1	0.01	15	200	22	<10	17	0.10	<10	<10	52	<10	50	--
FG044	<5	1.84	0.8	10	1240	0.5	<2	0.48	<0.5	16	39	15	2.90	<10	0.17	20	0.46	2334	<1	0.01	23	360	30	<10	38	0.10	<10	<10	58	<10	70	--
FG045	<5	1.30	0.4	10	470	<0.5	<2	0.24	<0.5	8	35	13	2.34	<10	0.10	20	0.34	565	<1	0.01	14	230	22	<10	18	0.07	<10	<10	39	<10	40	--
FG046	<5	1.00	0.2	<10	380	<0.5	<2	0.15	<0.5	2	31	4	1.42	<10	0.12	20	0.21	238	<1	<0.01	6	140	14	<10	12	0.05	<10	<10	30	<10	20	--
FG047	<5	1.19	0.2	<10	390	<0.5	<2	0.18	<0.5	5	37	7	1.84	<10	0.14	20	0.30	229	<1	0.01	10	110	38	<10	16	0.07	<10	<10	36	<10	40	--
FG048	<5	1.23	0.4	<10	300	<0.5	<2	0.23	<0.5	5	37	7	1.93	<10	0.12	20	0.37	213	<1	0.01	10	120	28	<10	20	0.09	<10	<10	39	<10	50	--
FG049	<5	1.76	0.4	10	590	0.5	<2	0.24	0.5	10	42	15	2.50	<10	0.15	30	0.34	829	<1	0.01	13	320	78	<10	21	0.08	<10	<10	45	<10	80	--
FG050	<5	2.17	0.4	20	490	<0.5	<2	0.21	<0.5	8	42	32	3.62	<10	0.22	30	0.93	302	<1	<0.01	22	480	26	<10	16	0.03	<10	<10	41	<10	110	--
FG051	<5	1.37	0.4	10	540	<0.5	<2	0.21	<0.5	5	39	15	1.86	<10	0.19	50	0.61	259	<1	0.01	11	340	28	<10	19	0.04	<10	<10	25	<10	90	--
FG052	<5	1.99	0.4	20	360	<0.5	<2	0.42	<0.5	11	83	34	3.35	<10	0.11	20	0.93	533	<1	0.01	25	320	34	<10	21	0.07	<10	<10	49	<10	110	--
FG053	<5	1.62	0.6	20	320	<0.5	<2	1.15	<0.5	14	54	59	3.19	<10	0.09	30	1.02	1019	<1	<0.01	26	740	26	<10	45	0.06	<10	<10	40	<10	90	--
FG054	<5	2.24	6.0	40	410	0.5	10	0.77	1.0	28	50	196	5.01	<10	0.14	20	1.53	1878	<1	0.01	38	700	106	<10	30	0.03	<10	<10	48	<10	340	--
FG055	5	2.08	0.8	40	360	<0.5	<2	0.41	<0.5	12	46	34	4.47	<10	0.10	20	1.33	783	<1	0.01	28	460	68	<10	33	0.09	<10	<10	41	<10	600	--
FG056	<5	1.90	0.6	30	160	0.5	2	0.49	<0.5	20	56	49	4.75	<10	0.11	20	1.86	1389	<1	<0.01	32	640	42	<10	26	0.16	<10	<10	41	<10	200	--
FG057	<5	1.97	0.6	20	410	0.5	<2	0.33	<0.5	9	57	24	3.32	<10	0.12	20	0.73	360	<1	0.01	19	230	12	<10	20	0.06	<10	<10	52	<10	60	--
FG058	5	1.84	0.8	20	390	0.5	<2	0.27	<0.5	11	81	37	3.16	<10	0.12	20	1.04	360	<1	0.01	26	320	12	<10	17	0.07	<10	<10	50	<10	70	--
FG059	<5	2.32	0.6	80	280	1.0	<2	0.29	<0.5	12	107	40	4.27	<10	0.14	20	1.95	463	<1	<0.01	42	770	14	<10	17	0.08	<10	<10	65	<10	110	--
FG060	<5	1.90	0.4	50	320	0.5	2	0.19	<0.5	8	48	19	3.21	<10	0.09	20	0.85	267	<1	0.01	24	230	10	<10	14	0.08	<10	<10	52	<10	60	--
FG061	<5	2.28	0.8	30	260	1.0	<2	0.20	<0.5	9	57	15	3.27	<10	0.06	20	0.61	238	<1	0.01	24	230	14	<10	17	0.10	<10	<10	67	<10	60	--
FG062	10	2.26	0.8	30	350	1.0	2	0.19	<0.5	10	85	36	3.71	<10	0.09	20	1.39	331	<1	<0.01	35	510	18	<10	15	0.06	<10	<10	68	<10	100	--
FG063	5	1.23	1.4	20	240	0.5	<2	0.17	<0.5	6	37	11	1.98	<10	0.13	20	0.31	137	<1	<0.01	13	650	22	<10	17	0.05	<10	<10	33	<10	40	--
FG064	<5	1.46	0.4	10	290	0.5	<2	0.17	<0.5	6	38	8	2.07	<10	0.14	20	0.31	120	<1	<0.01	14	440	18	<10	13	0.06	<10	<10	40	<10	40	--
FG065	<5	1.65	0.2	10	260	0.5	<2	0.30	<0.5	8	39	17	2.61	<10	0.12	20	0.84	218	<1	<0.01	16	1030	14	<10	18	0.04	<10	<10	43	<10	60	--
FG066	<5	2.92	0.6	10	240	1.0	<2	0.16	<0.5	12	59	12	3.75	<10	0.04	20	1.55	387	<1	<0.01	21	320	8	<10	10	0.07	<10	<10	83	<10	70	--
FG067	<5	2.15	0.4	10	300	0.5	2	0.25	<0.5	9	56	14	3.01	<10	0.04	10	0.80	248	<1	0.01	20	180	10	<10	17	0.10	<10	<10	66	<10	50	--
FG068	<5	3.48	0.2	10	450	1.0	2	0.53	<0.5	21	58	48	5.57	<10	0.06	20	2.11	585	<1	0.01	22	310	10	<10	16	0.04	<10	<10	100	<10	70	--
FG069	<5	2.50	0.4	10	270	0.5	2	0.84	<0.5	14	63	41	3.78	<10	0.05	20	1.27	770	<1	0.01	30	520	16	<10	18	0.04	<10	<10	65	<10	60	--
FG070	<5	2.64	1.0	10	460	0.5	2	0.55	<0.5	17	48	34	4.02	<10	0.04	20	1.46	447	<1	0.01	27	240	18	<10	19	0.05	<10	<10	66	<10	60	--
FG071	<5	2.69	0.4	30	410	1.0	2	0.44	<0.5	23	288	47	4.52	<10	0.03	10	2.01	778	<1	0.01	80	220	22	<10	20	0.05	<10	<10	79	<10	70	--
FG072	30	2.76	2.0	20	490	1.0	<2	0.53	<0.5	22	73	66	5.36	<10	0.08	10	1.43	1110	<1	0.01	36	380	20	<10	21	0.03	<10	<10	75	<10	80	--
FG073	<5	3.48	0.4	20	370	0.5	2	0.41	<0.5	23	304	32	4.66	<10	0.02	10	2.76	533	<1	<0.01	95	310	8	<10	13	0.02	<10	<10	72	<10	70	--
FG074	15	2.53	7.8	20	480	1.0	<2	0.32	<0.5	22	153	104	5.07	<10	0.03	10	1.93	621	<1	<0.01	83	510	100	10	16	0.01	<10	<10	49	<10	100	--
FG075	<5	2.52	0.8	60	350	1.0	<2	0.48	<0.5	16	79	43	4.51	<10	0.04	20	1.49	638	<1	0.01	37	720	12	<10	15	0.02	<10	<10	55	<10	90	--
FG076	<5	2.50	0.2	20	340	0.5	<2	0.34	<0.5	14	74	28	3.85	<10	0.04	20	1.46	352	<1	<0.01	31	430	16	<10	14	0.04	<10	<10	65	<10	70	--
FG077	<5	2.19	0.2	10	340	1.0	<2	0.34	<0.5	9	64	19	3.20	<10	0.04	10	1.17	292	<1	<0.01	24	450	10	<10	14	0.06	<10	<10	54	<10	60	--
IG01	<5	2.95	0.2	20	210	1.0	<2	0.24	<0.5	13	52	32	4.59	<10	0.05	20	1.96	595	<1	<0.01	26	720	10	<10	12	0.03	<10	<10	73	<10	90	--
IG02	<5	2.36	0.4	10	400	1.0	<2	0.64	<0.5	13	54	29	3.45	<10	0.08	30	1.29	590	<1	0.01	22	760	10	<10	38	0.04	<10	<10	54	<10	70	--
IG03	<5	2.12	0.2	10	200	0.5	<2	0.30	<0.5	12	48	24	3.44	<10	0.08	20	1.38	404	<1	0.01	20	770	8	<10	19	0.03	<10	<10	56	<10	60	--

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BUSINESS FORMS LIMITED VANCOUVER TH2010940

Chemex Labs Ltd.

Analytical Chemists · *Geochemists* · *Registered Assayers*

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

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.

CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8514221-003-A
INVOICE # : I8514221
DATE : 9-AUG-85
P.O. # : NONE
DAWSON

COMMENTS :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
IG04	10	2.54	0.2	10	390	1.0	<2	0.42	<0.5	20	81	36	3.94	<10	0.13	20	1.63	962	<1	0.01	27	780	28	<10	33	0.04	<10	<10	69	<10	80	--
IG05	15	3.19	0.2	20	260	1.5	<2	0.82	<0.5	26	61	65	5.66	<10	0.07	10	2.50	1108	<1	0.01	30	660	16	<10	28	0.02	<10	<10	87	<10	90	--
IG06	15	2.30	0.8	20	170	1.0	<2	1.51	<0.5	24	174	61	4.34	<10	0.07	10	2.28	964	<1	0.01	75	530	26	<10	43	0.01	<10	<10	46	<10	70	--
IG07	5	2.67	0.6	80	230	1.0	<2	0.82	<0.5	19	75	38	4.72	<10	0.11	30	2.35	612	<1	<0.01	35	1020	10	<10	28	0.01	<10	<10	43	<10	110	--
IG08	<5	2.71	0.2	20	740	1.0	<2	0.75	<0.5	14	111	23	4.02	<10	0.20	20	1.37	945	<1	0.01	30	630	10	<10	34	0.10	<10	<10	64	<10	80	--
IG09	<5	2.60	0.2	20	450	1.0	<2	0.59	<0.5	16	73	34	4.28	<10	0.20	20	1.40	581	<1	0.01	28	430	10	<10	29	0.08	<10	<10	66	<10	80	--
IG10	<5	2.04	0.2	20	550	1.0	<2	0.62	<0.5	10	92	21	3.48	<10	0.17	20	1.19	461	<1	0.01	20	490	10	<10	31	0.08	<10	<10	51	<10	70	--
IG11	<5	2.18	0.4	50	380	1.0	<2	0.48	<0.5	9	52	19	3.62	<10	0.25	30	1.55	715	<1	0.01	17	680	22	<10	23	0.02	<10	<10	35	<10	90	--
IG12	<5	2.35	0.2	20	540	1.0	<2	0.45	<0.5	12	119	20	3.94	<10	0.15	20	1.34	844	<1	0.01	22	640	12	<10	25	0.06	<10	<10	52	<10	80	--
IG13	<5	2.41	0.4	20	410	1.0	<2	0.42	<0.5	9	78	21	4.00	<10	0.11	20	1.48	514	<1	0.01	21	670	8	<10	19	0.05	<10	<10	52	<10	90	--
IG14	<5	2.05	0.2	20	440	1.0	<2	0.47	<0.5	9	90	26	3.44	<10	0.11	20	1.24	462	<1	0.01	21	660	10	<10	25	0.05	<10	<10	44	<10	70	--
IG15	<5	2.06	0.2	20	420	1.0	<2	0.53	<0.5	9	66	19	3.44	<10	0.11	20	1.23	499	<1	0.01	17	750	6	<10	25	0.04	<10	<10	44	<10	70	--
IG16	20	1.95	0.4	30	430	1.0	<2	0.62	<0.5	9	86	22	3.39	<10	0.12	20	1.06	549	<1	0.01	20	950	6	<10	33	0.04	<10	<10	45	<10	80	--
IG17	10	1.77	0.4	20	360	0.5	<2	0.36	<0.5	5	62	12	2.81	<10	0.12	20	0.86	233	<1	0.01	14	550	8	<10	20	0.05	<10	<10	48	<10	60	--
IG18	<5	2.09	0.2	20	400	1.0	<2	0.62	<0.5	8	118	21	3.68	<10	0.10	20	1.21	459	<1	0.01	19	1110	6	<10	33	0.09	<10	<10	60	<10	90	--
IG19	<5	1.30	0.2	30	300	0.5	<2	0.42	<0.5	6	67	9	2.21	<10	0.21	20	0.69	386	<1	<0.01	11	690	8	<10	24	0.03	<10	<10	32	<10	50	--
IG20	<5	1.55	0.2	40	470	1.0	<2	0.46	<0.5	6	75	14	2.45	<10	0.15	20	0.56	283	<1	0.01	13	430	12	<10	26	0.03	<10	<10	33	<10	70	--
IG21	<5	1.78	0.2	40	450	1.0	<2	0.51	<0.5	6	49	11	2.72	<10	0.18	20	0.63	331	<1	0.01	16	380	14	<10	30	0.04	<10	<10	40	<10	70	--
IG22	10	1.69	0.4	30	630	1.0	<2	0.67	<0.5	6	105	20	2.47	<10	0.17	30	0.44	430	<1	0.01	12	410	12	<10	40	0.03	<10	<10	28	<10	80	--
IG23	<5	1.55	0.2	20	600	1.0	<2	0.44	<0.5	6	33	15	2.34	<10	0.29	20	0.39	658	<1	0.01	7	380	12	<10	27	0.04	<10	<10	28	<10	70	--
IG24	<5	1.07	0.2	10	430	0.5	<2	0.25	<0.5	5	75	8	1.72	<10	0.30	30	0.29	343	<1	0.01	9	220	12	<10	19	0.04	<10	<10	30	<10	40	--
IG25	<5	1.63	0.2	10	470	1.0	<2	0.29	<0.5	8	54	11	2.60	<10	0.18	20	0.40	305	<1	0.01	14	240	14	<10	23	0.08	<10	<10	51	<10	50	--
IG26	<5	1.56	0.4	<10	1280	0.5	<2	0.38	<0.5	5	80	12	1.78	<10	0.19	30	0.41	445	<1	0.02	9	180	24	<10	26	0.03	<10	<10	28	<10	50	--
IG27	<5	1.11	0.4	<10	520	0.5	<2	0.09	<0.5	2	35	4	1.36	<10	0.21	20	0.39	106	<1	<0.01	3	100	14	<10	10	0.01	<10	<10	15	<10	40	--
IG28	<5	1.05	0.2	10	640	0.5	<2	0.10	<0.5	3	59	7	1.56	<10	0.14	10	0.26	104	<1	0.01	8	80	12	<10	11	0.04	<10	<10	25	<10	30	--
IG29	<5	1.35	0.2	10	460	0.5	<2	0.21	<0.5	4	30	10	2.20	<10	0.21	30	0.60	238	<1	0.01	6	230	12	<10	20	0.05	<10	<10	18	<10	80	--
IG30	<5	0.97	0.2	10	460	0.5	<2	0.15	<0.5	2	55	8	1.61	<10	0.20	20	0.27	169	<1	<0.01	5	230	12	<10	16	0.02	<10	<10	14	<10	110	--
IG31	<5	1.50	1.2	10	950	1.0	<2	0.26	<0.5	9	31	23	2.08	<10	0.18	30	0.33	812	<1	0.01	13	400	44	<10	24	0.03	<10	<10	28	<10	60	--
IG32	<5	1.67	0.4	20	920	0.5	<2	0.35	<0.5	10	106	26	2.80	<10	0.16	20	0.88	804	<1	0.01	21	600	24	<10	25	0.03	<10	<10	36	<10	80	--
IG33	<5	2.45	3.2	10	410	0.5	8	0.43	<0.5	8	41	13	3.52	<10	0.08	20	1.33	452	<1	0.01	13	430	72	<10	26	0.10	<10	<10	45	<10	140	--
IG34	<5	1.42	0.2	10	370	0.5	<2	0.57	<0.5	9	101	17	2.67	<10	0.11	20	0.82	426	<1	0.01	19	710	10	<10	29	0.09	<10	<10	42	<10	70	--
SG01	<5	1.05	0.8	10	420	0.5	<2	0.25	<0.5	5	79	30	2.15	<10	0.12	20	0.26	235	<1	0.01	9	300	24	<10	22	0.05	<10	<10	27	<10	80	--
SG02	<5	0.99	0.2	10	400	0.5	<2	0.23	<0.5	5	73	29	2.04	<10	0.10	20	0.25	222	<1	0.01	8	280	20	<10	21	0.04	<10	<10	25	<10	80	--
SG03	<5	1.26	0.2	10	540	0.5	<2	0.27	<0.5	4	43	20	2.22	<10	0.10	40	0.27	168	<1	0.01	10	390	58	<10	21	0.04	<10	<10	26	<10	70	--
SG04	<5	1.15	0.4	<10	160	<0.5	<2	0.04	<0.5	1	107	5	2.13	<10	0.06	10	0.10	110	<1	0.01	6	240	14	<10	7	0.06	<10	<10	53	<10	30	--
SG05	<5	1.18	0.4	10	540	0.5	<2	0.20	<0.5	4	49	13	1.88	<10	0.09	40	0.23	199	<1	0.01	9	480	32	<10	17	0.04	<10	<10	29	<10	50	--
SG07	<5	1.10	0.2	10	330	<0.5	<2	0.18	<0.5	2	103	6	1.41	<10	0.09	20	0.20	74	<1	0.01	7	390	16	<10	17	0.03	<10	<10	17	<10	30	--
SG08	<5	0.66	0.2	<10	220	<0.5	<2	0.10	<0.5	1	62	6	1.00	<10	0.05	10	0.13	46	<1	0.01	5	280	12	<10	10	0.02	<10	<10	12	<10	20	--
SG09	20	1.16	0.4	10	300	0.5	<2	0.16	<0.5	4	135	19	2.54	<10	0.07	10	0.38	140	<1	0.02	10	650	30	<10	15	0.04	<10	<10	32	<10	50	--
SG10	<5	2.10	2.4	20	310	0.5	2	0.32	<0.5	7	65	71	3.16	<10	0.09	20	1.00	413	<1	0.01	19	650	44	<10	20	0.08	<10	<10	48	<10	160	--

Certified by .Hawth Bichler....

SYSTEMS FORMS LIMITED VANCOUVER TR2010940

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Telex: 043-52597

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.

CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8514221-004-A
INVOICE # : I8514221
DATE : 9-AUG-85
P.O. # : NONE
DAWSON

COMMENTS :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
SG11	10	2.77	<2.8	20	430	1.0	2	0.40	0.5	11	131	96	4.26	<10	0.14	20	1.14	577	<1	0.02	23	560	48	<10	24	0.13	<10	<10	75	<10	250	--
SG12	35	2.58	<1.4	30	330	0.5	2	0.37	1.0	18	74	97	4.43	<10	0.10	10	1.55	1163	<1	0.01	24	410	66	<10	18	0.12	<10	<10	69	<10	440	--
SG13	5	2.18	<0.8	30	320	0.5	<2	0.51	2.0	22	110	99	4.33	<10	0.17	30	1.68	2016	<1	0.01	33	950	62	<10	19	0.08	<10	<10	41	<10	640	--
SG14	<5	1.96	<0.2	20	280	0.5	<2	0.48	<0.5	12	89	41	3.85	<10	0.17	20	1.32	748	<1	0.01	22	650	42	<10	22	0.14	<10	<10	58	<10	200	--
SG15	<5	1.80	<1.2	20	260	0.5	<2	0.31	<0.5	12	103	61	3.71	<10	0.18	20	1.20	688	<1	0.01	17	650	46	<10	17	0.13	<10	<10	48	<10	200	--
SG16	5	1.70	<0.8	20	370	0.5	<2	0.76	<0.5	10	71	37	2.81	<10	0.16	30	1.09	660	<1	0.01	20	800	18	<10	45	0.08	<10	<10	37	<10	110	--
SG17	5	2.17	<0.2	20	460	0.5	<2	0.35	<0.5	10	125	39	3.16	<10	0.14	30	0.91	377	<1	0.02	22	640	22	<10	23	0.09	<10	<10	54	<10	120	--
SG18	5	1.89	<0.2	10	490	0.5	<2	0.36	<0.5	10	79	25	2.72	<10	0.14	30	0.77	396	<1	0.02	20	660	32	<10	24	0.07	<10	<10	42	<10	100	--
SG19	<5	1.77	<0.2	<10	380	0.5	<2	0.37	<0.5	10	94	22	2.71	<10	0.09	20	0.76	300	<1	0.01	20	590	16	<10	22	0.08	<10	<10	44	<10	70	--
SG20	<5	1.76	<0.2	<10	310	0.5	<2	0.31	<0.5	7	49	17	2.60	<10	0.06	20	0.68	215	<1	0.01	18	570	8	<10	19	0.08	<10	<10	47	<10	60	--
SG21	<5	1.86	<0.4	<10	290	1.0	<2	0.29	<0.5	11	106	19	3.32	<10	0.07	20	0.86	377	<1	0.01	22	610	10	<10	20	0.10	<10	<10	67	<10	70	--
SG22	<5	1.84	<0.2	<20	340	0.5	<2	0.42	<0.5	11	64	23	3.00	<10	0.09	30	0.90	315	<1	0.01	25	790	12	<10	27	0.11	<10	<10	56	<10	80	--
SG23	10	1.76	<0.2	<10	350	0.5	<2	0.34	<0.5	9	83	17	2.95	<10	0.06	20	0.75	354	<1	0.01	21	740	10	<10	25	0.07	<10	<10	55	<10	70	--
SG28	5	2.09	<0.2	10	180	0.5	<2	0.25	<0.5	15	93	16	3.45	<10	0.06	10	1.27	564	<1	0.01	17	610	6	<10	13	0.05	<10	<10	60	<10	70	--
SG29	5	1.94	<0.2	10	260	0.5	<2	0.29	<0.5	12	99	24	3.34	<10	0.10	10	1.12	360	<1	0.01	23	530	6	<10	14	0.13	<10	<10	49	<10	70	--
SG30	<5	1.97	0.2	10	270	0.5	<2	0.30	<0.5	9	111	18	3.33	<10	0.10	10	1.00	346	<1	0.01	18	600	8	<10	15	0.09	<10	<10	53	<10	60	--
SG31	<5	2.03	0.2	20	320	0.5	<2	0.42	<0.5	13	119	22	3.38	<10	0.12	20	1.20	398	<1	0.01	23	790	8	<10	21	0.14	<10	<10	57	<10	70	--
SG32	<5	1.44	0.2	10	230	0.5	<2	0.30	<0.5	4	148	13	2.44	<10	0.09	10	0.51	203	<1	0.01	13	550	4	<10	19	0.13	<10	<10	54	<10	40	--
SG33	<5	1.91	0.2	20	240	0.5	<2	0.36	<0.5	8	104	15	3.17	<10	0.12	10	1.04	312	<1	0.01	16	600	6	<10	18	0.15	<10	<10	58	<10	70	--
SG34	<5	2.08	0.4	10	400	0.5	<2	0.55	<0.5	9	102	16	2.98	<10	0.09	20	1.00	313	<1	0.01	18	760	8	<10	30	0.11	<10	<10	54	<10	80	--
SG35	<5	1.89	0.2	10	380	0.5	<2	0.51	<0.5	13	61	17	3.16	<10	0.08	20	0.80	629	<1	0.01	19	780	10	<10	29	0.08	<10	<10	60	<10	70	--
SG36	<5	1.48	0.2	10	300	0.5	<2	0.46	<0.5	9	47	15	2.58	<10	0.07	20	0.51	340	<1	0.01	18	790	8	<10	26	0.09	<10	<10	53	<10	70	--
SG37	<5	1.64	0.2	10	430	0.5	<2	0.73	<0.5	13	56	40	3.30	<10	0.10	20	0.76	568	<1	0.03	34	810	10	<10	39	0.11	<10	<10	63	<10	80	--
85CL09	10	1.86	0.2	10	480	0.5	<2	0.44	<0.5	10	86	29	3.08	<10	0.08	20	1.00	373	<1	0.01	31	430	10	<10	25	0.11	<10	<10	50	<10	70	--
85CL10	<5	1.88	0.2	20	570	0.5	<2	0.65	<0.5	12	209	27	3.04	<10	0.10	20	0.97	432	<1	0.02	32	500	10	<10	37	0.14	<10	<10	53	<10	70	--

Certified by Hart Bichler

SYSTEMS INTERFACE FORMS LIMITED VANCOUVER TH/2010/410

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8514487-001-A
INVOICE # : I8514487
DATE : 13-AUG-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
IB01	<5	6.27	0.6	80	910	1.0	2	0.81	0.5	32	74	26	8.19	20	0.20	50	0.85	652	1	0.02	72	2560	12	10	134	0.25	<10	<10	116	<10	250	--

Certified by Hart Bichler

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR2109410

Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : [illegible]-001-A
INVOICE # : 18514489
DATE : 19-AUG-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	Al %	As 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	
FG078	<5	1.62	0.4	<10	450	<0.5	<2	0.27	<0.5	6	93	28	2.34	<10	0.30	30	0.66	359	<1	0.02	13	340	26	<10	23	0.08	<10	<10	36	<10	120	--
FG079	<5	1.56	0.4	<10	810	<0.5	<2	0.28	<0.5	8	54	65	2.69	10	0.15	50	0.58	333	<1	0.01	22	200	50	<10	24	0.09	<10	<10	47	<10	100	--
FG080	<5	1.57	0.2	<10	640	<0.5	<2	0.30	0.5	7	53	32	2.16	10	0.65	100	1.10	853	<1	0.01	8	790	96	<10	22	0.04	<10	<10	14	<10	140	--
FG081	<5	1.46	0.4	<10	320	<0.5	<2	0.15	<0.5	7	37	43	2.21	<10	0.40	40	0.77	536	<1	0.01	10	410	24	<10	14	0.06	<10	<10	21	<10	120	--
FG082	<5	1.58	0.2	<10	1420	<0.5	<2	0.26	<0.5	7	70	31	2.10	<10	0.40	40	1.10	388	<1	0.01	10	330	48	<10	32	0.06	<10	<10	19	<10	140	--
FG083	<5	1.76	0.2	<10	880	<0.5	<2	0.33	<0.5	8	101	31	2.54	<10	0.21	30	0.70	288	<1	0.02	18	320	18	<10	28	0.09	<10	<10	42	<10	90	--
FG084	<5	1.66	0.4	<10	520	<0.5	<2	0.42	<0.5	9	87	30	2.85	<10	0.23	30	0.67	381	<1	0.03	21	660	24	<10	32	0.10	<10	<10	51	<10	90	--
FG085	<5	1.71	0.4	<10	640	<0.5	<2	0.22	<0.5	5	57	17	2.26	<10	0.15	20	0.57	322	<1	0.01	12	140	20	<10	21	0.10	<10	<10	41	<10	70	--
FG086	<5	1.82	0.6	<10	510	<0.5	<2	0.30	<0.5	7	89	21	2.46	<10	0.28	30	0.61	316	<1	0.02	14	550	24	<10	27	0.08	<10	<10	40	<10	90	--
FG087	<5	1.70	0.2	<10	950	<0.5	<2	0.15	<0.5	7	78	59	2.58	<10	0.73	90	0.77	792	<1	0.01	7	540	34	<10	22	0.07	<10	<10	14	<10	260	--
FG088	<5	1.34	0.2	<10	850	<0.5	3	0.27	1.5	8	97	37	2.58	<10	0.64	60	0.88	1680	<1	0.02	14	500	38	<10	25	0.07	<10	<10	25	<10	170	--
FG089	<5	2.09	0.4	<10	510	<0.5	<2	0.30	<0.5	13	67	38	2.92	<10	0.21	30	0.66	1024	<1	0.02	18	330	26	<10	26	0.10	<10	<10	50	<10	120	--
FG090	<5	1.48	0.4	<10	440	<0.5	<2	0.29	<0.5	6	135	24	2.32	<10	0.29	30	0.66	408	<1	0.02	11	410	20	<10	24	0.08	<10	<10	32	<10	120	--
FG091	<5	1.12	0.4	<10	460	<0.5	<2	0.15	<0.5	5	64	24	2.20	<10	0.24	50	0.51	241	<1	0.01	8	310	68	<10	23	0.05	<10	<10	22	<10	110	--
FG092	<5	1.52	0.4	<10	320	<0.5	<2	0.13	<0.5	5	91	25	2.47	<10	0.18	20	0.43	302	<1	0.02	12	240	42	<10	18	0.07	<10	<10	38	<10	80	--
FG093	<5	1.07	0.2	<10	420	<0.5	<2	0.09	<0.5	5	59	19	2.07	<10	0.22	60	0.34	229	<1	0.01	10	260	36	<10	16	0.03	<10	<10	20	<10	80	--
FG094	<5	1.34	0.4	<10	470	<0.5	<2	0.33	<0.5	5	100	19	2.19	<10	0.10	20	0.50	231	<1	0.02	14	460	12	<10	25	0.08	<10	<10	40	<10	80	--
FG095	<5	1.38	0.6	<10	400	<0.5	<2	0.26	<0.5	5	51	21	2.24	<10	0.08	20	0.49	361	<1	0.01	14	360	16	<10	20	0.07	<10	<10	39	<10	80	--
FG096	<5	0.93	0.6	<10	320	<0.5	<2	0.11	<0.5	2	82	19	1.22	10	0.37	150	0.46	533	<1	0.01	3	290	50	<10	10	0.01	30	<10	6	<10	120	--
FG097	<5	1.46	0.4	<10	820	<0.5	<2	0.34	<0.5	9	48	40	2.76	<10	0.13	30	0.64	512	<1	0.02	20	410	32	<10	23	0.08	<10	<10	40	<10	110	--
FG098	<5	1.67	0.4	<10	620	<0.5	<2	0.32	<0.5	9	68	34	2.74	<10	0.13	40	0.56	469	<1	0.01	19	260	24	<10	25	0.07	<10	<10	44	<10	90	--
FG099	<5	1.40	0.2	<10	500	<0.5	<2	0.20	<0.5	5	50	21	2.26	<10	0.14	30	0.50	277	<1	0.01	13	210	24	<10	18	0.05	<10	<10	31	<10	90	--
FG100	<5	1.42	0.2	<10	740	<0.5	<2	0.17	<0.5	5	92	35	2.23	<10	0.19	40	0.61	305	<1	0.01	10	220	120	<10	19	0.05	<10	<10	24	<10	140	--
FG101	<5	1.41	0.4	<10	410	<0.5	<2	0.25	<0.5	7	62	26	2.29	<10	0.11	30	0.55	313	<1	0.01	15	250	18	<10	21	0.07	<10	<10	36	<10	100	--
FG102	<5	1.58	0.6	<10	470	<0.5	<2	0.07	<0.5	9	89	16	2.67	<10	0.31	50	0.61	248	1	0.01	10	420	22	<10	17	0.05	<10	<10	18	<10	110	--
FG103	<5	1.07	0.4	<10	480	<0.5	<2	0.07	<0.5	3	62	11	2.27	<10	0.33	50	0.52	179	1	0.02	7	360	68	<10	54	0.04	<10	<10	15	<10	80	--
FG104	<5	1.37	0.4	<10	430	<0.5	<2	0.15	<0.5	5	110	15	2.41	<10	0.29	40	0.68	278	<1	0.01	11	520	28	<10	38	0.05	<10	<10	24	<10	110	--
FG105	<5	1.24	0.6	<10	730	<0.5	<2	0.38	0.5	8	65	21	2.33	<10	0.21	50	0.54	500	1	0.01	13	550	68	<10	36	0.04	<10	<10	24	<10	130	--
FG106	<5	1.29	0.4	<10	290	<0.5	<2	0.05	<0.5	5	79	38	1.80	<10	0.37	10	0.28	219	<1	0.01	8	240	24	<10	5	0.02	<10	<10	20	<10	70	--
FG107	<5	1.55	0.4	<10	440	<0.5	<2	0.13	<0.5	5	51	37	2.41	<10	0.55	70	0.97	442	<1	0.01	9	500	88	<10	6	0.05	<10	<10	15	<10	160	--
FG108	<5	1.65	0.2	<10	360	<0.5	<2	0.12	<0.5	5	62	13	2.42	<10	0.16	10	0.33	365	<1	0.01	12	320	46	<10	12	0.05	<10	<10	45	<10	70	--
FG109	<5	1.09	0.8	<10	290	<0.5	<2	0.15	<0.5	8	62	14	1.87	<10	0.13	20	0.27	507	<1	0.01	12	380	36	<10	11	0.04	<10	<10	29	<10	40	--
FG110	<5	1.66	0.6	<10	440	<0.5	3	0.33	<0.5	9	82	19	2.49	<10	0.20	20	0.51	325	<1	0.02	17	430	18	<10	17	0.08	<10	<10	44	<10	60	--
FG111	<5	1.61	0.6	10	340	<0.5	<2	0.19	<0.5	9	53	37	3.16	<10	0.13	20	0.56	786	<1	0.01	30	180	24	<10	17	0.10	<10	<10	63	<10	70	--
FG112	<5	1.48	0.4	10	440	<0.5	<2	0.17	<0.5	10	70	38	3.34	<10	0.17	10	0.61	1120	<1	0.02	30	360	24	<10	17	0.11	<10	<10	67	<10	60	--
FG113	<5	2.06	0.4	10	320	<0.5	<2	0.15	<0.5	9	48	29	2.72	<10	0.15	20	0.53	336	<1	0.01	21	140	22	<10	14	0.09	<10	<10	48	<10	60	--
FG114	<5	2.35	0.4	<10	460	<0.5	<2	0.21	<0.5	10	70	36	3.15	<10	0.18	40	0.62	591	<1	0.03	23	150	28	<10	21	0.11	<10	<10	61	<10	70	--
FG115	<5	1.78	0.4	<10	360	<0.5	<2	0.14	<0.5	5	53	17	2.35	<10	0.21	20	0.43	704	<1	0.01	14	160	20	<10	14	0.07	<10	<10	40	<10	50	--
FG116	<5	1.83	0.4	10	510	<0.5	3	0.37	0.5	14	73	32	3.09	<10	0.22	50	0.90	875	1	0.01	33	470	26	<10	25	0.09	<10	<10	50	<10	100	--
FG117	<5	1.36	0.4	<10	330	<0.5	<2	0.11	<0.5	6	44	29	2.35	<10	0.17	30	0.44	439	<1	0.01	12	560	32	<10	6	0.04	<10	<10	12	<10	100	--

Certified by .....

SYSTEM 34 FORMS LIMITED VANCOUVER TH/010940

Chemex Labs Ltd.

·Analytical Chemists ·Geochemists ·Registered Assayers

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

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

CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8514409-002-A
INVOICE # : I8514409
DATE : 19-AUG-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
FG118	<5	1.10	0.2	<10	350	<0.5	<2	0.14	<0.5	6	42	33	1.77	<10	0.42	30	0.35	485	<1	0.01	8	560	30	<10	7	0.02	<10	<10	11	<10	70	--
FG119	<5	1.80	0.2	10	620	<0.5	<2	0.35	<0.5	9	84	29	2.54	<10	0.16	40	0.51	439	<1	0.02	22	440	30	<10	28	0.10	<10	<10	52	<10	60	--
FG120	<5	0.71	0.2	<10	660	<0.5	<2	0.10	<0.5	3	52	11	0.89	<10	0.23	50	0.13	196	<1	0.01	5	190	34	<10	9	0.01	<10	<10	9	<10	30	--
SG038	<5	1.63	0.6	10	530	<0.5	<2	1.36	<0.5	12	87	41	2.97	<10	0.13	20	0.80	492	<1	0.03	34	780	12	<10	48	0.12	<10	<10	66	<10	80	--
SG039	<5	1.41	0.2	<10	460	<0.5	<2	1.30	<0.5	9	78	28	2.43	<10	0.10	20	0.61	448	<1	0.03	25	750	10	<10	54	0.11	<10	<10	57	<10	70	--
SG040	<5	1.51	0.6	10	320	<0.5	<2	0.77	<0.5	11	92	21	2.74	<10	0.13	20	0.64	408	<1	0.04	27	780	12	<10	40	0.12	<10	<10	62	<10	70	--
SG041	<5	1.55	0.6	<10	340	<0.5	<2	0.79	<0.5	10	93	20	2.69	<10	0.11	20	0.67	422	<1	0.03	23	780	8	<10	40	0.12	<10	<10	61	<10	70	--
SG042	<5	1.63	0.4	<10	390	<0.5	<2	0.72	<0.5	9	80	16	2.56	<10	0.09	20	0.65	371	<1	0.02	19	700	8	<10	40	0.10	<10	<10	54	<10	80	--
SG043	80	1.60	0.4	<10	380	<0.5	<2	0.79	<0.5	10	91	18	2.54	<10	0.10	20	0.62	341	<1	0.03	21	760	10	<10	45	0.11	<10	<10	57	<10	70	--
SG044	<5	1.33	0.6	<10	310	<0.5	<2	0.58	<0.5	9	88	16	2.39	<10	0.08	20	0.60	395	<1	0.02	18	730	8	<10	32	0.09	<10	<10	49	<10	60	--
SG045	<5	1.55	0.4	<10	420	<0.5	<2	0.73	<0.5	9	88	19	2.51	<10	0.08	20	0.62	487	<1	0.02	21	680	8	<10	40	0.09	<10	<10	51	<10	60	--
SG046	<5	1.51	0.4	<10	380	<0.5	<2	0.62	<0.5	9	122	18	2.57	<10	0.08	20	0.62	495	<1	0.02	19	700	10	<10	35	0.10	<10	<10	51	<10	70	--
SG047	<5	1.44	0.4	10	350	<0.5	<2	0.44	<0.5	9	75	16	2.53	<10	0.06	20	0.57	435	<1	0.02	20	650	8	<10	26	0.09	<10	<10	51	<10	60	--
SG048	<5	1.66	0.2	<10	410	<0.5	2	0.51	<0.5	9	77	19	2.64	<10	0.08	20	0.63	390	<1	0.02	21	580	8	<10	32	0.10	<10	<10	57	<10	60	--
SG049	5	1.67	0.4	<10	380	<0.5	<2	0.57	<0.5	7	80	15	2.38	<10	0.11	20	0.62	378	<1	0.02	18	600	8	<10	36	0.12	<10	<10	58	<10	60	--
SG050	<5	1.57	0.4	<10	340	<0.5	<2	0.54	<0.5	8	118	14	2.58	<10	0.10	20	0.63	367	<1	0.02	18	660	8	<10	35	0.13	<10	<10	56	<10	60	--

Certified by .....

SAMPLES RECEIVED BY CHEMEX LABS LIMITED VANCOUVER TH2019400

Chemex Labs Ltd.

·Analytical Chemists ·Geochemists ·Registered Assayers

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8514799-001-A
INVOICE # : I8514799
DATE : 19-AUG-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
NV01	<5	1.35	0.2	10	260	<0.5	<2	0.15	<0.5	4	40	1	2.21	<10	0.09	30	[redacted]40	166	<1	<0.01	13	180	14	<10	13	0.07	<10	<10	37	<10	50	--
NV02	<5	1.47	0.2	10	250	<0.5	<2	0.11	<0.5	4	35	2	2.35	<10	0.07	10	[redacted]32	190	<1	<0.01	12	200	22	<10	10	0.06	<10	<10	39	<10	50	--
NV03	10	1.38	0.2	10	430	<0.5	2	0.21	<0.5	6	22	5	2.85	<10	0.41	40	[redacted]55	508	<1	<0.01	12	440	20	<10	14	0.05	<10	<10	26	<10	80	--
NV04	100	1.62	0.2	10	910	<0.5	<2	0.19	<0.5	8	39	38	2.93	<10	0.16	30	[redacted]40	396	<1	<0.01	18	250	86	<10	25	0.05	<10	<10	39	<10	70	--
NV05	<5	1.61	0.2	10	330	<0.5	<2	0.09	<0.5	4	25	13	2.01	<10	0.08	10	[redacted]28	120	<1	<0.01	11	130	66	<10	9	0.04	<10	<10	33	<10	40	--
NV06	95	1.50	0.2	10	300	<0.5	<2	0.09	<0.5	4	34	1	2.84	<10	0.07	10	[redacted]26	154	<1	<0.01	9	290	30	<10	11	0.07	<10	<10	63	<10	40	--
NV07	<5	2.31	0.2	10	350	<0.5	<2	0.15	<0.5	10	48	7	3.75	<10	0.10	20	[redacted]53	342	<1	0.01	20	500	32	<10	15	0.11	<10	<10	71	<10	60	--
NV09	30	2.16	0.6	20	330	<0.5	<2	0.12	<0.5	8	47	14	2.79	<10	0.09	10	[redacted]39	241	<1	<0.01	20	330	114	<10	12	0.07	<10	<10	51	<10	60	--
NV10	<5	2.56	0.2	20	490	<0.5	<2	0.14	<0.5	11	54	10	3.61	<10	0.23	10	0.68	296	<1	<0.01	27	260	22	<10	13	0.08	<10	<10	58	<10	80	--
NV11	<5	1.45	0.2	10	550	<0.5	<2	0.10	<0.5	10	36	20	2.71	<10	0.47	40	0.75	545	<1	<0.01	23	200	58	<10	8	0.04	<10	<10	24	<10	80	--
NV12	<5	1.15	0.2	10	170	<0.5	<2	0.06	<0.5	3	23	<1	1.73	<10	0.11	20	0.17	129	<1	<0.01	7	200	30	<10	6	0.02	<10	<10	27	<10	20	--
NV13	<5	1.32	0.2	10	290	<0.5	<2	0.11	<0.5	8	39	21	2.13	<10	0.18	10	[redacted]24	406	<1	<0.01	12	250	104	<10	19	0.04	<10	<10	35	<10	50	--

Certified by Hartt Bichler

BUSINESS FORMS LIMITED VANCOUVER TR2109&10

Chemex Labs Ltd.

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COMMENTS :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
FG078	<5	1.62	0.4	<10	450	<0.5	<2	0.27	<0.5	6	93	28	2.34	<10	0.30	30	0.66	359	<1	0.02	13	340	26	<10	23	0.08	<10	<10	36	<10	120	--
FG079	<5	1.56	0.4	<10	810	<0.5	<2	0.38	<0.5	8	54	65	2.69	10	0.15	50	0.58	323	<1	0.01	22	200	50	<10	24	0.09	<10	<10	47	<10	100	--
FG080	<5	1.57	0.2	<10	640	<0.5	<2	0.30	0.5	7	53	32	2.16	10	0.65	100	1.13	853	<1	0.01	8	790	96	<10	22	0.04	<10	<10	14	<10	140	--
FG081	<5	1.46	0.4	<10	320	<0.5	<2	0.15	<0.5	7	37	43	2.21	<10	0.40	40	0.77	536	<1	0.01	10	410	24	<10	14	0.06	<10	<10	21	<10	120	--
FG082	<5	1.58	0.2	<10	1420	<0.5	<2	0.26	<0.5	7	70	31	2.10	<10	0.40	40	1.10	388	<1	0.01	10	330	48	<10	32	0.06	<10	<10	19	<10	140	--
FG083	<5	1.76	0.2	<10	880	<0.5	<2	0.33	<0.5	8	101	31	2.54	<10	0.21	30	0.70	298	<1	0.02	18	320	18	<10	28	0.09	<10	<10	42	<10	90	--
FG084	<5	1.66	0.4	<10	520	<0.5	<2	0.42	<0.5	9	87	30	2.85	<10	0.23	30	0.67	281	<1	0.03	21	660	24	<10	32	0.10	<10	<10	51	<10	90	--
FG085	<5	1.71	0.4	<10	640	<0.5	<2	0.22	<0.5	5	57	17	2.26	<10	0.15	20	0.57	222	<1	0.01	12	140	20	<10	21	0.10	<10	<10	41	<10	70	--
FG086	<5	1.82	0.6	<10	510	<0.5	<2	0.30	<0.5	7	89	21	2.46	<10	0.28	30	0.61	316	<1	0.02	14	550	24	<10	27	0.08	<10	<10	40	<10	90	--
FG087	<5	1.70	0.2	<10	950	<0.5	<2	0.15	<0.5	7	78	59	2.58	<10	0.78	90	0.77	792	<1	0.01	7	540	34	<10	32	0.07	<10	<10	14	<10	260	--
FG088	<5	1.34	0.2	<10	850	<0.5	3	0.27	1.5	8	97	37	2.58	<10	0.64	60	0.88	1680	<1	0.02	14	500	38	<10	25	0.07	<10	<10	25	<10	170	--
FG089	<5	2.09	0.4	<10	510	<0.5	<2	0.30	<0.5	13	67	38	2.92	<10	0.21	30	0.66	1024	<1	0.02	18	330	26	<10	26	0.10	<10	<10	50	<10	120	--
FG090	<5	1.48	0.4	<10	440	<0.5	<2	0.29	<0.5	6	135	24	2.32	<10	0.29	30	0.66	408	<1	0.02	11	410	20	<10	24	0.08	<10	<10	32	<10	120	--
FG091	<5	1.12	0.4	<10	460	<0.5	<2	0.15	<0.5	5	64	24	2.20	<10	0.24	50	0.51	341	<1	0.01	8	310	68	<10	23	0.05	<10	<10	22	<10	110	--
FG092	<5	1.52	0.4	<10	320	<0.5	<2	0.13	<0.5	5	91	25	2.47	<10	0.18	20	0.43	302	<1	0.02	12	240	42	<10	18	0.07	<10	<10	38	<10	80	--
FG093	<5	1.07	0.2	<10	420	<0.5	<2	0.09	<0.5	5	55	19	2.07	<10	0.22	60	0.34	209	<1	0.01	10	260	36	<10	16	0.03	<10	<10	20	<10	80	--
FG094	<5	1.34	0.4	<10	470	<0.5	<2	0.33	<0.5	5	103	19	2.19	<10	0.10	20	0.50	731	<1	0.02	14	460	12	<10	25	0.08	<10	<10	40	<10	80	--
FG095	<5	1.38	0.6	<10	400	<0.5	<2	0.26	<0.5	5	51	21	2.24	<10	0.08	20	0.49	361	<1	0.01	14	360	16	<10	20	0.07	<10	<10	39	<10	80	--
FG096	<5	0.93	0.6	<10	320	<0.5	<2	0.11	<0.5	2	82	19	1.22	10	0.37	150	0.46	533	<1	0.01	3	290	50	<10	10	0.01	30	<10	6	<10	120	--
FG097	<5	1.46	0.4	<10	820	<0.5	<2	0.34	<0.5	9	48	40	2.76	<10	0.13	30	0.64	512	<1	0.02	20	410	32	<10	23	0.08	<10	<10	40	<10	110	--
FG098	<5	1.67	0.4	<10	620	<0.5	<2	0.32	<0.5	9	68	34	2.74	<10	0.13	40	0.56	469	<1	0.01	19	260	24	<10	25	0.07	<10	<10	44	<10	90	--
FG099	<5	1.40	0.2	<10	500	<0.5	<2	0.20	<0.5	5	52	21	2.26	<10	0.14	30	0.50	377	<1	0.01	13	210	24	<10	18	0.05	<10	<10	31	<10	90	--
FG100	<5	1.42	0.2	<10	740	<0.5	<2	0.17	<0.5	5	93	35	2.23	<10	0.19	40	0.61	305	<1	0.01	10	320	120	<10	19	0.05	<10	<10	24	<10	140	--
FG101	<5	1.41	0.4	<10	410	<0.5	<2	0.25	<0.5	7	62	26	2.29	<10	0.11	30	0.55	313	<1	0.01	15	250	18	<10	21	0.07	<10	<10	36	<10	100	--
FG102	<5	1.58	0.6	<10	470	<0.5	<2	0.07	<0.5	9	89	16	2.67	<10	0.31	50	0.61	248	1	0.01	10	420	22	<10	17	0.05	<10	<10	18	<10	110	--
FG103	<5	1.07	0.4	<10	480	<0.5	<2	0.07	<0.5	3	62	11	2.27	<10	0.33	50	0.52	179	1	0.02	7	360	68	<10	54	0.04	<10	<10	15	<10	80	--
FG104	<5	1.37	0.4	<10	430	<0.5	<2	0.15	<0.5	5	110	15	2.41	<10	0.39	40	0.68	373	<1	0.01	11	530	28	<10	38	0.05	<10	<10	24	<10	110	--
FG105	<5	1.24	0.6	<10	730	<0.5	<2	0.38	0.5	8	65	21	2.33	<10	0.21	50	0.54	500	1	0.01	13	550	68	<10	36	0.04	<10	<10	24	<10	130	--
FG106	<5	1.29	0.4	<10	290	<0.5	<2	0.05	<0.5	5	79	38	1.80	<10	0.37	10	0.28	519	<1	0.01	8	240	24	<10	5	0.02	<10	<10	20	<10	70	--
FG107	<5	1.55	0.4	<10	440	<0.5	<2	0.13	<0.5	5	51	37	2.41	<10	0.55	70	0.97	442	<1	0.01	9	500	88	<10	6	0.05	<10	<10	15	<10	160	--
FG108	<5	1.65	0.2	<10	360	<0.5	<2	0.12	<0.5	5	62	13	2.42	<10	0.16	10	0.33	365	<1	0.01	12	320	46	<10	12	0.05	<10	<10	45	<10	70	--
FG109	<5	1.09	0.8	<10	290	<0.5	<2	0.15	<0.5	8	62	14	1.87	<10	0.13	20	0.27	507	<1	0.01	12	380	36	<10	11	0.04	<10	<10	29	<10	40	--
FG110	<5	1.66	0.6	<10	440	<0.5	<2	0.23	<0.5	9	82	19	2.49	<10	0.20	20	0.51	325	<1	0.02	17	430	18	<10	17	0.08	<10	<10	44	<10	60	--
FG111	<5	2.61	0.6	10	340	<0.5	<2	0.19	<0.5	9	53	27	3.16	<10	0.13	20	0.56	286	<1	0.01	20	180	24	<10	17	0.10	<10	<10	63	<10	70	--
FG112	<5	2.48	0.4	10	440	<0.5	<2	0.17	<0.5	10	70	28	3.04	<10	0.17	10	0.60	370	<1	0.02	20	360	24	<10	17	0.11	<10	<10	67	<10	60	--
FG113	<5	2.06	0.4	10	320	<0.5	<2	0.13	<0.5	9	48	29	2.72	<10	0.15	20	0.53	286	<1	0.01	21	140	22	<10	14	0.09	<10	<10	48	<10	60	--
FG114	<5	2.35	0.4	<10	460	<0.5	<2	0.21	<0.5	10	70	36	3.15	<10	0.18	40	0.62	391	<1	0.02	23	150	20	<10	21	0.11	<10	<10	61	<10	70	--
FG115	<5	1.78	0.4	<10	360	<0.5	<2	0.14	<0.5	5	53	17	2.35	<10	0.21	20	0.43	304	<1	0.01	14	160	20	<10	14	0.07	<10	<10	40	<10	50	--
FG116	<5	1.03	0.4	<10	510	<0.5	<2	0.30	<0.5	14	71	33	3.09	<10	0.21	50	0.99	475	<1	0.01	33	470	26	<10	25	0.09	<10	<10	50	<10	100	--
FG117	<5	1.36	0.4	10	330	<0.5	<2	0.10	<0.5	6	44	29	2.35	<10	0.17	30	0.44	309	<1	0.01	12	560	32	<10	6	0.04	<10	<10	12	<10	100	--

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SAMPLE DISPOSAL STORAGE FOR ONE YEAR AFTER ANALYSIS - ASSAY REJECTS AND PULPS STORAGE FOR ONE MONTH FREE, THEREAFTER STORAGE CHARGES APPLY - ANALYTICAL REPORTS AND INVOICES ARE CONFIDENTIAL TO CLIENTS, PARTIES OTHER THAN CLIENTS MAY OBTAIN COPIES ONLY WITH CLIENTS WRITTEN PERMISSION - CHEMEX LABS LIMITED VANCOUVER TH/2010/MO

Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS

IO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8514489-002-A
INVOICE # : I8514489
DATE : 19-AUG-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
FG118	<5	1.10	0.2	<10	350	<0.5	<2	0.14	<0.5	6	42	33	1.77	<10	0.42	30	0.35	485	<1	0.01	8	560	30	<10	7	0.02	<10	<10	11	<10	70	--
FG119	<5	1.80	0.2	10	620	<0.5	<2	0.35	<0.5	9	84	29	2.54	<10	0.16	40	0.51	439	<1	0.02	22	440	30	<10	28	0.10	<10	<10	52	<10	60	--
FG120	<5	0.71	0.2	<10	660	<0.5	<2	0.10	<0.5	3	52	11	0.89	<10	0.23	50	0.13	196	<1	0.01	5	190	34	<10	9	0.01	<10	<10	9	<10	30	--
SG038	<5	1.63	0.6	10	530	<0.5	<2	1.36	<0.5	12	87	41	2.97	<10	0.13	20	0.80	492	<1	0.03	34	780	12	<10	48	0.12	<10	<10	66	<10	80	--
SG039	<5	1.41	0.3	<10	460	<0.5	<2	1.30	<0.5	9	78	38	2.43	<10	0.10	20	0.61	448	<1	0.03	25	750	10	<10	54	0.11	<10	<10	57	<10	70	--
SG040	<5	1.51	0.6	10	320	<0.5	<2	0.77	<0.5	11	92	21	2.74	<10	0.13	20	0.64	408	<1	0.04	27	780	12	<10	40	0.12	<10	<10	62	<10	70	--
SG041	<5	1.55	0.6	<10	340	<0.5	<2	0.79	<0.5	10	93	20	2.69	<10	0.11	20	0.67	422	<1	0.03	23	780	8	<10	40	0.12	<10	<10	61	<10	70	--
SG042	<5	1.63	0.4	<10	390	<0.5	<2	0.72	<0.5	9	80	16	2.56	<10	0.09	20	0.65	371	<1	0.02	19	700	8	<10	40	0.10	<10	<10	54	<10	80	--
SG043	80	1.60	0.4	<10	380	<0.5	<2	0.79	<0.5	10	91	18	2.54	<10	0.10	20	0.62	541	<1	0.03	21	760	10	<10	45	0.11	<10	<10	57	<10	70	--
SG044	<5	1.33	0.6	<10	310	<0.5	<2	0.58	<0.5	9	88	16	2.39	<10	0.08	20	0.66	395	<1	0.02	18	730	8	<10	32	0.09	<10	<10	49	<10	60	--
SG045	<5	1.55	0.4	<10	420	<0.5	<2	0.73	<0.5	9	68	19	2.51	<10	0.08	20	0.62	487	<1	0.02	31	680	8	<10	40	0.09	<10	<10	51	<10	60	--
SG046	<5	1.51	0.4	<10	380	<0.5	<2	0.62	<0.5	9	122	18	2.57	<10	0.08	20	0.62	495	<1	0.02	19	700	10	<10	35	0.10	<10	<10	51	<10	70	--
SG047	<5	1.44	0.4	10	350	<0.5	<2	0.44	<0.5	9	75	16	2.53	<10	0.06	20	0.57	435	<1	0.02	20	650	8	<10	26	0.09	<10	<10	51	<10	60	--
SG048	<5	1.66	0.2	<10	410	<0.5	2	0.51	<0.5	9	77	19	2.64	<10	0.08	20	0.63	390	<1	0.02	21	580	8	<10	32	0.10	<10	<10	57	<10	60	--
SG049	5	1.67	0.4	<10	380	<0.5	<2	0.57	<0.5	7	80	15	2.38	<10	0.11	20	0.62	378	<1	0.02	18	600	8	<10	36	0.12	<10	<10	58	<10	60	--
SG050	<5	1.57	0.4	<10	340	<0.5	<2	0.54	<0.5	8	118	14	2.58	<10	0.10	20	0.63	367	<1	0.02	18	660	8	<10	35	0.13	<10	<10	56	<10	60	--

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·Analytical Chemists *·Geochemists* *·Registered Assayers*

CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8515106-001-A
INVOICE # : I8515106
DATE : 21-AUG-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
D02	<5	0.68	0.6	10	3500	<0.5	<2	0.05	0.5	4	150	10	2.17	<10	0.13	20	0.03	50	2	0.03	24	400	16	<10	40	<0.01	<10	<10	5	<10	110	--
D03	<5	0.55	0.4	<10	570	<0.5	<2	0.03	<0.5	1	95	7	0.36	<10	0.17	20	0.03	15	<1	<0.01	5	70	28	<10	23	<0.01	<10	<10	2	<10	20	--
D04	<5	0.66	0.2	<10	450	<0.5	<2	0.03	<0.5	2	148	5	0.24	<10	0.12	20	0.02	15	1	0.03	9	60	12	<10	9	<0.01	<10	<10	3	<10	10	--
D05	<5	0.77	0.4	<10	350	0.5	<2	0.02	<0.5	1	83	4	0.16	<10	0.24	40	0.02	12	1	0.01	5	90	24	<10	7	<0.01	10	10	2	<10	10	--
D06	10	0.70	0.6	10	1250	<0.5	<2	0.03	<0.5	5	105	36	1.39	<10	0.15	20	0.04	29	3	<0.01	62	420	52	<10	124	<0.01	<10	<10	28	<10	120	--
D07	<5	0.69	0.2	30	3190	1.0	<2	0.05	<0.5	8	67	29	3.93	<10	0.16	10	0.02	84	1	<0.01	76	640	38	<10	27	<0.01	<10	10	12	<10	110	--

Certified by Hartt Bichler

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•Analytical Chemists •Geochemists •Registered Assayers

CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
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CERT. # : A8515296-001-A
INVOICE # : I8515296
DATE : 3-SEP-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
BREMNER 01	15	1.00	0.4	10	680	<0.5	<2	0.36	<0.5	4	187	16	0.78	10	0.36	50	0.13	87	2	0.01	14	700	22	<10	44	0.01	<10	<10	26	<10	20	--
BREMNER 02	15	1.00	0.4	20	250	<0.5	<2	0.07	<0.5	26	2558	8	1.52	<10	<0.01	<10	2.30	63	1	<0.01	351	100	20	10	8	<0.01	<10	<10	25	<10	80	--
LC01	<5	1.65	0.2	30	500	<0.5	<2	1.55	<0.5	15	67	32	3.14	<10	0.13	20	0.79	584	1	0.04	32	860	16	<10	57	0.13	<10	10	69	<10	90	--
LC02	<5	1.36	0.2	50	610	<0.5	<2	0.38	<0.5	8	151	5	1.90	10	0.11	40	0.54	275	2	0.01	21	590	16	<10	42	0.03	<10	10	28	<10	60	--
LC03	5	1.97	0.4	260	620	<0.5	<2	0.60	0.5	18	74	14	4.71	10	0.15	40	0.56	1238	3	0.02	27	830	40	<10	77	0.08	<10	10	57	<10	110	--
LC04	5	1.44	0.2	10	220	<0.5	<2	0.59	<0.5	10	73	18	2.41	<10	0.13	20	0.49	281	1	0.03	22	530	10	<10	32	0.12	<10	10	54	<10	60	--
LC05	<5	2.22	0.4	30	870	<0.5	<2	0.63	<0.5	27	65	14	3.09	10	0.16	30	0.64	4184	3	0.02	27	650	28	<10	72	0.08	<10	10	46	<10	70	--
LC06	<5	1.48	0.2	20	280	<0.5	<2	0.53	<0.5	10	65	14	2.48	<10	0.09	20	0.47	336	1	0.02	22	600	10	<10	35	0.12	<10	<10	55	<10	50	--
LC07	<5	1.34	0.2	20	400	<0.5	<2	0.86	0.5	10	96	21	2.21	<10	0.09	30	0.70	308	3	0.02	29	750	32	<10	55	0.07	<10	<10	40	<10	100	--
LC08	15	1.33	0.4	10	300	<0.5	<2	0.56	<0.5	8	97	19	2.45	<10	0.10	20	0.53	182	1	0.02	21	750	16	<10	45	0.10	<10	<10	48	<10	70	--
LC09	<5	1.35	0.2	10	280	<0.5	<2	0.78	<0.5	5	107	2	1.67	<10	0.07	20	0.66	114	1	0.01	11	330	16	<10	63	0.06	<10	<10	19	<10	50	--
LC10	5	1.05	0.2	10	320	<0.5	<2	0.31	<0.5	5	126	<1	1.36	<10	0.08	20	0.56	107	1	0.01	8	350	14	<10	35	0.04	<10	<10	13	<10	40	--
LC11	<5	1.25	0.2	10	290	<0.5	<2	0.31	<0.5	4	158	3	1.60	<10	0.10	20	0.66	102	1	0.02	8	320	20	<10	37	0.05	<10	10	11	<10	40	--
LC12	<5	1.52	0.6	40	520	<0.5	<2	0.49	<0.5	8	181	8	1.97	10	0.26	30	0.58	212	2	0.02	16	490	24	<10	52	0.05	<10	10	27	<10	50	--
LC15	<5	1.43	0.2	80	510	<0.5	<2	0.25	1.5	13	221	40	2.91	<10	0.18	30	0.69	367	14	0.01	78	810	44	<10	29	<0.01	<10	<10	31	<10	150	--
LC16	<5	1.15	0.2	40	310	<0.5	<2	0.20	1.0	9	124	26	2.43	<10	0.13	20	0.41	379	12	0.01	46	690	28	<10	23	0.02	<10	<10	27	<10	140	--
LC17	<5	0.98	0.2	20	330	<0.5	<2	0.20	<0.5	4	139	6	2.08	<10	0.24	20	0.22	70	5	0.01	17	270	24	<10	32	0.01	<10	<10	14	<10	50	--
LC18	<5	1.11	0.2	20	470	<0.5	<2	0.31	<0.5	9	153	19	2.21	<10	0.12	30	0.44	102	4	0.01	77	220	24	<10	42	0.02	<10	<10	22	<10	60	--
LC19	<5	1.35	0.4	30	480	<0.5	<2	0.69	<0.5	12	92	22	2.89	<10	0.07	20	0.49	473	5	0.02	30	960	16	<10	47	0.09	<10	<10	51	<10	70	--
LC20	<5	1.90	1.2	100	420	<0.5	<2	0.27	2.5	23	121	97	6.37	10	0.10	60	1.22	391	41	<0.01	130	910	76	10	36	<0.01	10	10	40	<10	400	--
LC21	10	2.01	0.6	60	460	<0.5	<2	0.79	3.5	19	88	66	3.38	10	0.10	30	0.82	346	13	0.01	98	910	40	<10	72	0.01	<10	<10	45	<10	270	--
LC22	5	2.08	0.4	50	330	<0.5	<2	0.25	<0.5	5	165	36	2.01	10	0.12	50	1.72	80	5	<0.01	69	830	34	<10	25	<0.01	<10	<10	40	<10	190	--
LC23	15	1.57	0.8	80	320	<0.5	<2	0.12	<0.5	7	179	32	1.85	10	0.12	40	1.22	122	8	<0.01	65	450	46	<10	13	<0.01	<10	<10	31	<10	230	--
LC24	<5	1.35	1.0	90	300	<0.5	<2	0.16	<0.5	4	140	17	1.59	<10	0.14	30	0.78	65	16	0.02	29	600	92	<10	50	<0.01	<10	<10	30	<10	70	--
LC25	10	3.18	0.6	20	110	<0.5	<2	0.39	<0.5	12	179	60	4.89	10	<0.01	20	2.52	407	2	<0.01	57	1700	40	10	23	0.01	<10	<10	145	<10	190	--
LC26	20	0.47	1.6	20	290	<0.5	<2	0.06	<0.5	2	133	22	0.60	<10	0.10	30	0.08	25	9	<0.01	8	490	84	<10	55	<0.01	<10	20	15	<10	20	--
LC27	10	1.44	0.8	70	290	<0.5	<2	0.09	<0.5	4	160	37	3.20	10	0.09	40	1.18	71	11	0.09	19	1130	56	<10	46	<0.01	<10	10	31	<10	70	--
LC28	5	2.08	0.6	90	210	<0.5	<2	0.09	<0.5	12	154	99	2.83	10	0.05	50	1.92	94	39	<0.01	58	780	202	10	40	<0.01	<10	10	48	<10	210	--
LC29	<5	1.76	0.4	50	340	<0.5	<2	0.30	0.5	13	159	24	2.90	<10	0.15	30	0.53	336	4	0.01	53	600	36	<10	34	0.06	<10	<10	39	<10	120	--
LC30	<5	1.05	2.2	100	260	<0.5	<2	0.12	0.5	14	126	81	5.20	<10	0.18	20	0.35	38	70	0.01	41	1700	132	10	43	<0.01	<10	10	42	<10	100	--
LC31	<5	2.22	0.6	30	300	<0.5	<2	0.18	<0.5	5	151	47	1.89	10	0.13	50	1.63	81	4	<0.01	54	1070	68	<10	77	<0.01	<10	<10	56	<10	110	--
LC32	5	1.39	0.2	30	250	<0.5	<2	0.25	<0.5	12	84	17	1.75	<10	0.13	40	0.60	53	4	<0.01	34	740	38	<10	17	<0.01	<10	<10	8	<10	100	--
LC33	<5	1.92	0.4	110	300	<0.5	<2	0.33	<0.5	14	99	7	3.21	10	0.15	40	0.97	137	5	0.01	21	860	40	<10	25	<0.01	<10	<10	13	<10	110	--
LC34	<5	2.28	0.2	20	290	<0.5	<2	0.34	<0.5	11	70	7	2.43	10	0.13	40	1.55	227	3	<0.01	16	850	30	<10	20	<0.01	<10	<10	10	<10	110	--
LC35	<5	1.84	0.2	40	280	<0.5	<2	0.27	<0.5	8	109	10	2.23	10	0.15	40	0.94	189	2	0.01	17	600	32	<10	18	0.01	<10	10	14	<10	80	--
LC36	<5	2.05	0.2	20	200	<0.5	<2	0.27	<0.5	10	82	2	2.03	10	0.12	30	1.71	193	1	0.01	14	790	34	<10	13	<0.01	<10	<10	10	<10	90	--
LC37	<5	1.70	0.2	10	350	<0.5	<2	0.20	<0.5	7	99	<1	2.10	<10	0.09	40	0.98	144	<1	0.01	13	580	24	<10	13	<0.01	<10	<10	8	<10	80	--
LC38	5	2.11	0.2	<10	430	<0.5	<2	0.05	<0.5	9	131	47	2.51	<10	0.15	10	0.95	88	5	0.01	82	230	56	<10	21	<0.01	<10	<10	46	<10	160	--
NUG 01	<5	0.56	0.2	<10	120	<0.5	<2	0.02	<0.5	2	98	<1	0.54	<10	0.08	20	0.02	150	4	<0.01	5	150	22	<10	12	<0.01	<10	<10	8	<10	10	--
NUG 02	5	1.55	1.0	150	660	<0.5	<2	0.09	1.0	23	82	48	4.15	<10	0.13	40	0.05	2909	28	0.01	24	1340	18	<10	50	<0.01	<10	10	48	<10	70	--

Certified by ../Stan B. Buchler...

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•Analytical Chemists •Geochemists •Registered Assayers

CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8515296-002-A
INVOICE # : I8515296
DATE : 3-SEP-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
NUG 03	<5	1.86	0.2	30	340	<0.5	<2	0.11	1.0	18	87	100	2.86	10	0.09	40	0.40	1238	14	<0.01	33	780	24	<10	14	<0.01	<10	10	31	<10	100	--
NUG 04	<5	1.81	0.2	80	510	<0.5	<2	0.11	1.0	29	83	67	5.07	10	0.09	30	0.10	2409	28	<0.01	32	1480	30	<10	23	0.02	<10	20	39	<10	100	--
NUG 05	<5	0.90	0.2	20	170	<0.5	<2	0.05	0.5	14	119	34	2.44	<10	0.05	30	0.04	736	10	<0.01	22	710	26	<10	13	<0.01	<10	10	17	<10	40	--
NUG 06	<5	0.72	0.2	<10	140	<0.5	<2	0.05	<0.5	6	71	<1	0.63	<10	0.10	30	0.02	333	7	0.01	11	190	10	<10	10	<0.01	<10	<10	8	<10	20	--
NUG 07	<5	1.51	0.2	60	230	<0.5	<2	0.14	2.0	16	118	30	5.88	10	0.10	20	0.19	960	23	<0.01	61	1840	36	<10	38	0.05	<10	20	39	<10	200	--
NUG 08	80	2.18	0.2	<10	240	<0.5	<2	0.19	0.5	24	137	23	2.32	10	0.15	70	1.12	1048	7	0.01	35	290	26	<10	19	<0.01	10	<10	38	<10	230	--
NUG 09	4200	2.33	1.2	50	270	<0.5	<2	0.15	2.0	15	87	98	4.41	10	0.10	60	0.28	2215	23	<0.01	92	1600	54	<10	40	<0.01	10	20	52	<10	280	--
NUG 10	<5	1.37	0.6	10	230	<0.5	<2	0.09	0.5	10	107	15	1.70	<10	0.12	40	0.55	2690	13	0.01	48	520	28	<10	34	<0.01	<10	10	23	<10	140	--
NUG 11	<5	1.07	0.2	<10	120	<0.5	<2	0.06	<0.5	2	102	10	0.74	<10	0.07	30	0.26	121	3	0.01	9	260	20	<10	13	<0.01	<10	<10	19	<10	40	--
NUG 12	<5	1.57	1.4	50	140	<0.5	<2	0.16	1.0	18	104	64	4.43	10	0.11	50	0.75	514	22	<0.01	43	970	52	<10	28	<0.01	<10	20	63	<10	210	--
NUG8	3600	1.79	1.0	<10	560	<0.5	2	0.15	0.5	12	76	85	3.43	<10	0.29	30	0.40	1363	1	0.01	17	700	1568	<10	19	0.05	<10	<10	44	<10	70	--
PAR 01	<5	1.43	0.2	10	490	<0.5	2	6.85	<0.5	25	15	12	7.19	20	0.32	<10	2.46	4156	2	<0.01	19	500	36	<10	213	<0.01	<10	<10	33	<10	140	--
PAR 02	<5	2.04	0.2	<10	450	<0.5	<2	2.68	<0.5	17	67	26	3.77	10	0.34	<10	1.19	1061	1	0.02	35	1160	26	<10	203	<0.01	<10	<10	60	<10	90	--
PAR 03	<5	2.69	0.2	<10	290	<0.5	<2	0.47	0.5	15	111	17	1.78	10	0.27	20	0.51	122	<1	0.01	41	1290	10	<10	93	<0.01	<10	<10	63	<10	60	--
PAR 04	<5	0.20	0.2	110	<10	<0.5	2	0.01	1.0	44	1124	17	2.37	<10	<0.01	<10	0.90	128	1	<0.01	879	170	38	<10	1	<0.01	<10	<10	17	<10	40	--
PAR 05	<5	3.20	0.2	<10	10	<0.5	<2	0.02	0.5	22	1469	38	2.77	<10	<0.01	<10	5.74	164	<1	<0.01	462	90	22	<10	3	<0.01	<10	<10	59	<10	120	--
PAR 06	<5	0.60	0.2	10	200	1.5	<2	0.08	0.5	7	223	29	0.66	<10	0.14	30	0.14	25	<1	0.01	148	550	18	<10	113	<0.01	<10	<10	16	<10	50	--
PAR 07	<5	0.62	0.2	10	60	<0.5	<2	0.12	<0.5	2	69	<1	0.72	<10	0.08	10	0.23	31	2	0.02	6	690	6	<10	17	<0.01	<10	<10	15	<10	<10	--
PREIDO-01	<5	0.84	0.2	90	60	<0.5	<2	0.14	13.0	51	124	178	6.58	10	0.11	40	0.05	510	3	<0.01	158	1170	18	<10	9	<0.01	10	10	61	<10	390	--
PREIDO-02	<5	0.76	0.2	60	110	<0.5	<2	0.05	1.0	21	159	64	4.53	<10	0.09	<10	0.07	129	1	<0.01	274	730	4	2310	9	<0.01	<10	<10	88	<10	550	--
PREIDO-03	10	1.85	0.2	40	260	<0.5	<2	0.12	0.5	17	114	76	3.09	<10	0.17	40	0.32	154	1	<0.01	225	630	34	<10	40	0.02	<10	<10	47	<10	260	--

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
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CERT. # : A8515939-001-A
INVOICE # : I8515939
DATE : 17-SEP-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNGNBERG

Sample description	Au ppb FA+AA	Hg 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
AC-01	10	--	2.71	0.2	<10	380	<0.5	<2	0.47	<0.5	17	92	22	3.57	<10	0.07	10	1.58	540	<1	0.02	38	370	28	<10	31	0.07	<10	<10	74	<10	60
AC-02	5	--	3.85	0.2	<10	110	<0.5	<2	0.22	<0.5	22	130	33	5.09	<10	0.02	<10	3.51	504	<1	0.01	50	370	36	<10	7	0.10	<10	<10	105	10	70
AC-03	5	--	3.08	0.2	<10	270	<0.5	<2	0.25	<0.5	22	234	19	4.65	<10	0.07	10	2.08	323	<1	0.02	72	510	30	<10	15	0.04	<10	<10	88	<10	70
AC-04	<5	--	1.46	0.2	10	350	<0.5	<2	0.33	<0.5	8	45	1	2.62	<10	0.25	20	0.52	169	<1	0.01	9	530	18	<10	19	0.04	<10	<10	23	<10	80
AC-05	<5	--	2.15	0.2	<10	320	<0.5	<2	0.42	<0.5	12	89	5	3.06	<10	0.11	10	0.98	353	<1	0.02	34	490	24	<10	25	0.10	<10	<10	57	<10	60
AC-06	<5	--	1.70	0.2	<10	340	<0.5	<2	0.56	<0.5	9	81	5	2.51	<10	0.11	20	0.65	327	<1	0.03	21	550	22	<10	33	0.10	<10	<10	47	<10	60
AC-07	5	--	1.12	0.2	<10	400	<0.5	<2	0.29	<0.5	5	33	<1	2.25	<10	0.34	30	0.22	134	<1	0.01	7	940	18	<10	10	<0.01	<10	<10	8	<10	70
AC-08	5	--	1.68	0.2	20	400	<0.5	<2	0.47	<0.5	9	82	10	2.85	<10	0.17	20	0.58	226	<1	0.02	22	600	18	<10	30	0.06	<10	<10	40	<10	100
AC-09	5	--	1.66	0.2	<10	320	<0.5	<2	0.45	<0.5	6	55	<1	2.32	<10	0.13	10	0.53	168	1	0.02	14	420	14	<10	27	0.10	<10	<10	46	<10	50
AC-10	15	--	1.56	0.2	<10	300	<0.5	<2	0.44	<0.5	9	58	2	2.54	<10	0.14	10	0.53	206	1	0.01	17	540	18	<10	26	0.09	<10	<10	33	<10	70
AC-11	<5	--	1.71	0.2	<10	380	<0.5	<2	0.45	<0.5	10	78	5	2.67	<10	0.11	10	0.69	287	<1	0.02	21	480	16	<10	27	0.10	<10	<10	49	<10	60
AC-12	<5	--	1.50	0.2	10	500	<0.5	<2	0.69	<0.5	11	55	12	2.79	<10	0.11	20	0.61	432	<1	0.04	29	790	18	<10	38	0.11	<10	<10	55	<10	80
AC-13	<5	--	2.35	0.2	<10	750	<0.5	<2	0.36	<0.5	13	52	<1	3.14	10	0.25	10	0.41	1425	1	0.02	16	410	20	<10	29	0.08	<10	<10	57	<10	90
AC-14	10	--	1.83	0.2	<10	1080	<0.5	<2	0.39	<0.5	7	34	<1	2.55	<10	0.29	20	0.38	363	<1	0.02	12	320	18	<10	23	0.04	<10	<10	34	<10	60
AC-15	5	--	0.89	0.2	<10	320	<0.5	<2	0.34	<0.5	5	33	2	1.80	<10	0.29	<10	0.30	558	<1	0.01	6	460	16	<10	20	0.06	<10	<10	13	<10	70
AC-16	10	--	2.65	0.2	<10	910	<0.5	<2	0.68	<0.5	7	34	<1	3.25	10	0.59	30	0.31	994	<1	0.01	9	720	24	<10	23	0.01	<10	<10	23	<10	90
AC-17	10	--	1.19	0.2	<10	590	<0.5	<2	0.40	<0.5	4	47	<1	1.79	<10	0.44	10	0.20	477	<1	0.01	7	540	14	<10	22	0.03	<10	<10	14	<10	50
AC-18	10	--	1.84	0.2	10	540	<0.5	<2	0.45	<0.5	11	63	16	3.00	<10	0.13	20	0.74	305	1	0.02	34	500	18	<10	29	0.06	<10	<10	42	<10	80
AC-19	30	--	1.31	0.8	10	470	<0.5	<2	0.38	<0.5	8	46	4	1.79	<10	0.40	20	0.24	526	1	0.01	13	520	20	<10	24	0.01	<10	<10	15	<10	60
AC-20	5	--	1.54	0.2	10	470	<0.5	<2	0.56	<0.5	10	67	13	2.45	<10	0.14	10	0.53	309	1	0.02	20	520	16	<10	33	0.06	<10	<10	41	<10	50
AC-21	35	--	1.67	0.6	50	630	<0.5	<2	0.38	<0.5	10	51	<1	2.37	10	0.39	20	0.24	1746	1	0.01	14	640	24	<10	28	0.01	<10	10	16	<10	90
AC-22	5	--	1.72	0.2	10	320	<0.5	<2	1.04	<0.5	11	95	19	2.61	<10	0.14	10	0.86	413	<1	0.02	27	670	14	<10	52	0.07	<10	<10	48	<10	80
AC-23	<5	--	1.92	0.2	70	430	<0.5	<2	0.49	<0.5	9	82	15	2.81	<10	0.17	20	0.96	268	3	0.01	34	810	22	<10	33	0.02	<10	<10	36	<10	130
AC-24	20	--	1.72	0.8	20	490	<0.5	<2	0.79	1.0	11	82	37	2.89	10	0.16	20	0.82	463	5	0.02	50	1060	20	<10	39	0.04	<10	<10	49	<10	150
AC-25	5	--	1.76	0.4	<10	600	<0.5	<2	0.72	<0.5	8	62	16	2.31	<10	0.15	20	0.52	433	<1	0.02	21	500	14	<10	45	0.04	<10	<10	38	<10	70
AC-26	10	--	1.08	0.2	<10	410	<0.5	<2	0.29	<0.5	6	48	2	1.51	<10	0.20	20	0.26	277	1	0.02	12	330	14	<10	20	0.03	<10	<10	24	<10	50
AC-27	25	--	1.57	0.2	10	590	<0.5	<2	0.36	<0.5	7	77	7	2.13	10	0.23	20	0.38	249	1	0.02	18	330	20	<10	24	0.04	<10	<10	32	<10	60
AC-28	30	--	1.52	0.2	10	410	<0.5	<2	0.38	<0.5	7	56	5	2.21	<10	0.17	20	0.41	201	1	0.02	16	340	20	<10	25	0.06	<10	<10	39	<10	60
AC-29	<5	--	1.17	0.2	<10	440	<0.5	<2	0.32	<0.5	4	52	<1	1.70	<10	0.13	10	0.29	197	<1	0.02	8	330	10	<10	22	0.05	<10	<10	31	<10	40
AC-30	25	--	1.62	0.6	10	560	<0.5	<2	0.39	<0.5	9	51	2	2.33	<10	0.18	10	0.41	401	1	0.02	18	470	18	<10	27	0.05	<10	<10	45	<10	50
AC-31	<5	--	1.39	0.2	10	520	<0.5	<2	0.30	<0.5	11	52	<1	2.31	<10	0.20	10	0.34	420	1	0.01	13	390	20	<10	21	0.03	<10	<10	37	<10	60
AC-32	<5	--	1.52	0.2	20	930	<0.5	<2	1.33	0.5	9	65	30	2.27	10	0.11	10	0.64	433	2	0.02	34	1090	16	<10	76	0.03	<10	10	40	<10	110
AC-33	<5	--	1.21	0.2	<10	410	<0.5	<2	0.34	<0.5	7	63	4	2.05	<10	0.16	20	0.48	207	1	0.02	13	420	26	<10	26	0.05	<10	<10	29	<10	90
AC-34	40	--	1.47	0.2	<10	670	<0.5	<2	0.17	<0.5	5	81	<1	1.85	<10	0.14	20	0.50	136	1	0.02	11	200	16	<10	16	0.04	<10	10	30	<10	60
AC-35	<5	--	1.36	0.2	10	960	<0.5	<2	0.42	<0.5	7	66	9	2.15	<10	0.15	30	0.52	168	1	0.02	19	560	24	<10	35	0.05	<10	<10	34	<10	80
AC-36	<5	--	1.34	0.2	<10	520	<0.5	<2	0.16	<0.5	4	54	<1	1.72	<10	0.16	20	0.39	151	<1	0.01	9	190	14	<10	14	0.02	<10	<10	23	<10	60
AC-37	<5	--	1.72	0.4	<10	360	<0.5	<2	0.09	<0.5	6	50	1	2.23	<10	0.05	10	1.01	186	<1	0.01	14	130	16	<10	10	0.03	<10	<10	26	<10	80
AC-38	<5	--	1.87	0.2	<10	1130	<0.5	<2	0.22	<0.5	9	62	15	2.75	10	0.11	70	0.49	258	<1	0.02	21	150	32	<10	20	0.03	10	<10	37	<10	120
AC-39	<5	--	1.38	0.2	<10	460	<0.5	<2	0.16	<0.5	6	71	<1	2.15	<10	0.10	10	0.38	188	<1	0.02	11	220	12	<10	12	0.04	<10	<10	32	<10	70
AC-40	<5	--	1.94	0.2	10	460	<0.5	<2	0.38	<0.5	12	68	4	3.57	<10	0.17	20	0.75	363	<1	0.02	22	370	16	<10	28	0.06	<10	<10	53	<10	70

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

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CERT. # : A8515939-002-A
INVOICE # : I8515939
DATE : 17-SEP-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNGNBERG

Sample description	Au ppb FA+AA	Hg 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
AC-41	<5	--	1.53	0.2	10	420	<0.5	<2	0.50	<0.5	11	56	8	2.57	<10	0.16	20	0.58	551	1	0.02	22	580	20	<10	34	0.05	<10	<10	38	<10	90
AC-42	<5	--	1.43	0.2	<10	360	<0.5	<2	0.52	<0.5	7	143	4	2.23	<10	0.17	20	0.47	212	1	0.03	23	660	22	<10	29	0.07	<10	10	38	<10	70
AC-43	<5	--	1.92	0.2	<10	490	<0.5	<2	0.39	<0.5	11	65	4	2.70	<10	0.11	20	0.50	307	1	0.02	23	400	20	<10	26	0.08	<10	<10	49	<10	70
AC-44	<5	--	1.46	0.2	<10	390	<0.5	<2	0.44	<0.5	10	48	8	2.45	<10	0.11	10	0.44	345	1	0.02	22	580	14	<10	25	0.07	<10	<10	41	<10	60
AC-45	<5	--	1.44	0.2	<10	320	<0.5	<2	0.39	<0.5	7	35	2	2.23	<10	0.08	10	0.39	229	1	0.02	19	490	12	<10	23	0.08	<10	<10	40	<10	50
AC-46	<5	--	1.33	0.2	10	370	<0.5	<2	0.53	<0.5	11	42	10	2.53	<10	0.10	20	0.46	438	<1	0.02	27	730	14	<10	28	0.08	<10	<10	43	<10	60
AC-47	<5	--	1.64	0.2	<10	350	<0.5	<2	0.44	<0.5	9	43	8	2.56	<10	0.06	20	0.44	196	<1	0.02	21	610	12	<10	28	0.08	<10	<10	45	<10	50
AC-48	<5	--	1.53	0.2	<10	350	<0.5	<2	0.44	<0.5	7	38	<1	2.28	<10	0.06	10	0.41	135	<1	0.02	18	540	14	<10	27	0.07	<10	<10	42	<10	50
AC-49	<5	--	1.41	0.2	<10	350	<0.5	<2	0.41	<0.5	9	38	9	2.39	<10	0.06	10	0.42	235	<1	0.02	19	580	14	<10	27	0.07	<10	<10	41	<10	60
AC-50	<5	--	1.49	0.2	<10	320	<0.5	<2	0.44	<0.5	9	38	9	2.39	<10	0.07	20	0.42	234	<1	0.02	18	610	12	<10	27	0.08	<10	<10	41	<10	50
BAC-51	<5	20	0.77	0.2	<10	230	<0.5	<2	0.07	<0.5	2	51	5	0.53	<10	0.17	10	0.21	49	<1	0.01	2	50	12	<10	7	0.01	<10	<10	4	<10	50
BAC-52	<5	30	0.63	0.2	<10	260	<0.5	<2	0.06	<0.5	1	21	1	0.38	<10	0.31	30	0.07	33	<1	0.01	<1	40	8	<10	12	<0.01	<10	<10	2	<10	40
BAC-53	10	50	1.05	0.2	<10	310	<0.5	<2	0.13	<0.5	3	64	20	1.47	<10	0.25	40	0.23	72	1	0.01	6	200	30	<10	12	0.01	<10	<10	9	<10	80
BAC-53 A	5	40	0.83	0.2	<10	330	<0.5	<2	0.11	<0.5	2	49	6	0.76	<10	0.19	30	0.13	27	<1	0.01	4	200	20	<10	17	0.01	<10	<10	6	<10	50
BAC-54	<5	40	0.61	0.2	<10	300	<0.5	<2	0.06	<0.5	1	43	3	0.33	<10	0.23	40	0.04	16	1	0.01	3	160	18	<10	6	<0.01	<10	<10	2	<10	30
BAC-55	5	100	1.11	0.2	<10	210	<0.5	<2	0.06	<0.5	1	43	23	0.69	<10	0.24	30	0.12	11	2	0.01	4	80	38	<10	6	<0.01	<10	10	5	<10	70
BAC-56	<5	30	1.06	0.2	<10	210	<0.5	<2	0.09	<0.5	3	44	26	1.53	10	0.22	40	0.22	36	1	0.01	6	250	40	<10	9	<0.01	30	10	13	<10	110
BAC-57	<5	30	0.39	0.2	<10	160	<0.5	<2	0.06	<0.5	<1	42	<1	0.16	<10	0.20	30	0.04	6	<1	<0.01	1	50	14	<10	8	<0.01	<10	<10	<1	<10	10
BAC-58	<5	20	0.31	0.2	<10	130	<0.5	<2	0.03	<0.5	<1	36	<1	0.18	<10	0.21	50	0.02	9	<1	<0.01	2	80	16	<10	8	<0.01	10	10	1	<10	10
BAC-59	<5	50	0.44	0.2	<10	130	<0.5	<2	0.02	<0.5	<1	31	<1	0.12	<10	0.21	20	0.01	6	<1	0.01	1	40	10	<10	4	<0.01	<10	10	1	<10	10
BAC-60	<5	30	0.89	0.2	<10	250	<0.5	<2	0.12	<0.5	3	66	<1	1.18	<10	0.13	10	0.20	68	1	0.01	6	120	18	<10	10	0.03	<10	<10	16	<10	30
BAC-61	<5	30	0.29	0.2	<10	930	<0.5	<2	0.01	<0.5	<1	47	<1	0.13	<10	0.16	40	0.02	12	<1	0.01	2	60	16	<10	7	<0.01	10	<10	<1	<10	10
BAC-62	<5	50	0.32	0.2	<10	1040	<0.5	<2	0.02	<0.5	<1	34	4	0.11	<10	0.16	30	0.02	8	<1	0.01	2	60	18	<10	9	<0.01	<10	<10	<1	<10	10
BAC-63	10	40	0.25	0.2	<10	660	<0.5	<2	0.03	<0.5	<1	35	2	0.14	<10	0.19	40	0.01	7	<1	0.01	<1	90	32	<10	10	<0.01	<10	<10	<1	<10	10
BAC-64	<5	60	0.42	0.2	<10	230	<0.5	<2	0.03	<0.5	<1	37	1	0.13	<10	0.16	40	0.02	13	1	0.01	3	100	30	<10	5	<0.01	10	10	1	<10	10
BAC-65	35	50	0.35	0.2	10	260	<0.5	<2	0.03	<0.5	<1	27	4	0.24	<10	0.28	40	0.02	8	1	0.01	2	110	34	<10	10	<0.01	10	<10	1	<10	20
BAC-66	<5	40	0.36	0.2	10	310	<0.5	<2	0.04	<0.5	<1	36	<1	0.24	<10	0.24	30	0.02	8	1	0.01	3	100	24	<10	10	<0.01	<10	<10	1	<10	10
BAC-67	10	60	0.80	0.2	50	290	<0.5	<2	0.26	<0.5	5	48	13	1.67	<10	0.22	20	0.29	203	1	0.02	13	420	34	<10	21	0.03	<10	<10	21	<10	60
BAC-68	65	70	0.55	0.4	1780	960	<0.5	<2	0.10	<0.5	1	37	4	1.73	<10	0.41	40	0.12	54	1	0.01	3	140	42	<10	51	<0.01	<10	<10	1	<10	30
BAC-69	20	100	0.67	0.4	70	400	<0.5	<2	0.07	<0.5	2	35	27	1.23	<10	0.38	50	0.09	34	1	0.01	2	100	36	<10	9	<0.01	10	<10	1	<10	90
BAC-70	5	50	0.38	0.2	<10	210	<0.5	<2	0.02	<0.5	<1	39	<1	0.17	<10	0.32	40	0.02	17	<1	0.01	1	70	14	<10	8	<0.01	10	<10	1	<10	10
BAC-71	5	60	0.41	0.2	<10	210	<0.5	<2	0.02	<0.5	<1	24	9	0.20	<10	0.22	20	0.02	9	1	0.01	2	50	24	<10	6	<0.01	<10	<10	2	<10	10
BAC-72	<5	50	0.47	0.2	20	230	<0.5	<2	0.02	<0.5	2	29	5	0.42	<10	0.26	30	0.02	40	2	0.01	3	70	22	<10	9	<0.01	<10	<10	3	<10	20
BAC-73	5	40	0.42	0.2	<10	230	<0.5	<2	0.03	<0.5	1	35	<1	0.30	<10	0.27	30	0.04	30	<1	0.01	<1	70	18	<10	7	<0.01	<10	<10	1	<10	20
BAC-74	<5	40	0.41	0.2	<10	300	<0.5	2	0.03	<0.5	<1	37	<1	0.28	<10	0.29	30	0.03	21	1	0.01	2	80	18	<10	8	<0.01	<10	<10	1	<10	20
BAC-75	5	30	0.33	0.2	<10	230	<0.5	<2	0.05	<0.5	<1	27	<1	0.21	<10	0.22	20	0.03	17	<1	0.01	2	60	18	<10	10	<0.01	<10	<10	1	<10	10
BAC-76	60	30	0.35	0.2	<10	220	<0.5	<2	0.11	<0.5	<1	26	<1	0.15	<10	0.17	10	0.01	13	<1	0.01	<1	30	14	<10	17	0.02	<10	<10	<1	<10	10
BAC-77	10	30	0.38	0.2	<10	170	<0.5	<2	0.05	<0.5	<1	27	5	0.16	<10	0.20	10	0.03	10	<1	0.01	2	50	22	<10	10	<0.01	<10	10	1	<10	20
BAC-78	15	40	0.27	0.4	10	170	<0.5	<2	0.02	<0.5	<1	27	<1	0.27	<10	0.19	20	0.02	8	1	0.01	1	70	46	<10	13	<0.01	<10	<10	<1	<10	10
BAC-79	<5	40	0.39	0.2	<10	210	<0.5	<2	0.01	<0.5	<1	23	<1	0.27	<10	0.36	40	0.01	6	<1	0.01	<1	60	14	<10	8	<0.01	10	<10	<1	<10	10

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

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CERT. # : A8515939-003-A
INVOICE # : I8515939
DATE : 17-SEP-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNGNBERG

Sample description	Au ppb FA+AA	Hg 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
BAC-80	5	100	0.31	0.2	<10	160	<0.5	<2	0.02	<0.5	<1	12	<1	0.17	<10	0.26	40	0.02	5	<1	0.01	<1	60	16	<10	7	<0.01	<10	<10	<1	<10	20
FG-121	<5	--	1.10	0.4	10	360	<0.5	<2	0.11	<0.5	4	26	6	1.96	<10	0.15	10	0.20	468	1	0.01	7	280	32	<10	8	0.02	<10	<10	27	<10	60
FG-122	20	--	1.29	0.2	100	220	<0.5	<2	0.46	<0.5	8	45	18	2.79	<10	0.12	10	0.77	415	1	0.01	20	970	36	<10	21	0.01	<10	<10	31	<10	110
FG-123	<5	--	1.87	0.2	10	260	<0.5	<2	0.47	<0.5	10	50	11	2.89	<10	0.14	10	0.75	483	1	0.01	14	490	18	<10	23	0.04	<10	<10	35	<10	90
FG-124	30	--	1.06	0.2	10	270	<0.5	<2	0.29	<0.5	8	25	2	1.63	<10	0.26	10	0.32	808	1	0.01	7	610	22	<10	14	0.01	<10	<10	15	<10	50
FG-125	<5	--	1.31	0.4	10	350	<0.5	<2	0.44	<0.5	4	36	4	1.89	<10	0.20	10	0.34	202	1	0.01	8	430	18	<10	27	0.02	<10	<10	22	<10	50
FG-126	<5	--	1.47	0.2	10	230	<0.5	<2	0.17	<0.5	6	41	3	2.75	<10	0.12	10	0.58	224	1	0.01	12	410	20	<10	12	0.07	<10	<10	44	<10	70
FG-127	55	--	1.87	0.2	10	320	<0.5	<2	0.18	<0.5	11	61	7	2.93	<10	0.11	10	0.71	473	2	0.01	19	390	22	<10	11	0.05	<10	<10	49	<10	70
FG-128	<5	--	1.97	0.2	10	240	<0.5	<2	0.19	<0.5	8	47	10	3.11	<10	0.10	10	0.67	241	2	0.01	19	330	36	<10	12	0.06	<10	<10	50	<10	80
FG-129	<10	--	2.06	0.2	10	270	<0.5	<2	0.17	<0.5	9	61	11	3.53	<10	0.12	10	0.68	276	2	0.01	21	420	30	<10	11	0.06	<10	<10	56	<10	80
FG-130	25	--	1.58	1.2	10	410	<0.5	<2	1.03	<0.5	7	42	25	2.32	10	0.16	40	0.57	338	1	0.01	17	520	26	<10	63	0.03	<10	<10	36	<10	90
FG-131	10	--	1.86	0.2	20	270	<0.5	<2	0.47	<0.5	12	83	10	3.19	<10	0.16	20	1.05	484	2	0.01	23	540	28	<10	30	0.05	<10	<10	49	<10	100
FG-132	5	--	1.63	0.2	20	270	<0.5	<2	0.30	<0.5	10	45	15	3.21	<10	0.23	20	0.96	389	<1	0.01	20	640	38	<10	19	0.05	<10	<10	36	<10	100
FG-133	10	--	2.51	0.2	40	200	<0.5	<2	0.27	<0.5	20	93	34	4.74	<10	0.09	10	1.27	353	2	0.01	48	540	26	<10	19	0.07	<10	<10	76	<10	90
FG-134	10	--	1.94	0.2	30	250	<0.5	<2	0.96	<0.5	23	110	23	3.51	10	0.04	10	1.53	2201	2	0.01	33	920	30	<10	53	0.01	<10	<10	66	<10	80
FG-137	<5	--	1.28	0.2	10	280	<0.5	<2	0.45	<0.5	10	52	18	2.37	<10	0.11	10	0.55	394	1	0.02	21	610	24	<10	26	0.07	<10	<10	37	<10	70
FG-138	10	--	0.49	0.2	<10	240	<0.5	<2	0.13	<0.5	1	51	<1	0.58	<10	0.18	10	0.16	69	<1	0.01	3	260	16	<10	10	0.01	<10	<10	6	<10	30
FG-139	5	--	1.06	0.2	60	240	<0.5	<2	0.29	<0.5	10	94	27	2.37	<10	0.15	10	0.67	284	2	0.01	26	640	28	<10	22	0.01	<10	<10	29	<10	90
FG-140	15	--	1.63	0.2	20	310	<0.5	<2	0.56	<0.5	12	81	18	2.97	<10	0.07	10	0.85	361	1	0.01	26	720	20	<10	38	0.05	<10	<10	49	<10	60
KS-01	265	--	1.03	0.2	<10	290	<0.5	<2	0.13	<0.5	3	59	<1	1.43	<10	0.11	10	0.22	90	1	0.01	10	190	22	<10	12	0.05	<10	<10	27	<10	30
KS-02	15	--	0.97	0.2	<10	230	<0.5	<2	0.16	<0.5	3	44	5	1.41	<10	0.10	20	0.22	97	1	0.01	9	130	20	<10	14	0.06	<10	<10	28	<10	30
KS-03	10	--	0.99	0.2	<10	370	<0.5	<2	0.14	<0.5	3	64	<1	1.37	<10	0.18	30	0.20	101	1	0.01	8	190	24	<10	14	0.04	<10	<10	24	<10	30
KS-04	15	--	1.59	0.2	20	490	<0.5	<2	0.76	<0.5	12	49	27	2.93	<10	0.12	20	0.60	509	1	0.03	29	910	22	<10	39	0.11	<10	<10	58	<10	70
KS-05	15	--	3.29	1.2	10	1450	<0.5	<2	0.42	0.5	27	55	49	3.88	10	0.22	50	0.42	763	4	0.02	30	1000	56	<10	49	0.07	<10	<10	59	<10	90
KS-06	<5	--	1.01	0.2	10	330	<0.5	<2	0.20	<0.5	4	46	<1	1.35	<10	0.13	20	0.23	108	1	0.01	9	250	24	<10	17	0.05	<10	<10	24	<10	40
KS-07	5	--	1.03	0.2	<10	300	<0.5	<2	0.19	<0.5	4	81	3	1.57	<10	0.11	20	0.25	161	1	0.02	9	220	18	<10	17	0.06	<10	<10	31	<10	30
KS-08	5	--	1.93	0.2	<10	540	<0.5	<2	0.28	<0.5	7	50	9	2.53	<10	0.16	20	0.40	265	2	0.02	16	340	28	<10	25	0.08	<10	<10	48	<10	70
KS-09	<5	--	1.43	0.2	10	360	<0.5	<2	0.75	<0.5	8	64	16	2.37	<10	0.09	20	0.52	236	1	0.03	23	700	18	<10	39	0.10	<10	<10	49	<10	60
KS-10	<5	--	1.24	0.2	10	400	<0.5	<2	0.45	<0.5	8	46	14	2.05	<10	0.11	20	0.43	332	1	0.02	20	350	24	<10	28	0.08	<10	<10	38	<10	50
KS-11	5	--	1.70	0.2	20	550	<0.5	<2	0.73	<0.5	17	60	32	3.28	<10	0.13	10	0.69	1359	2	0.03	34	850	24	<10	45	0.09	<10	<10	58	<10	110
KS-12	<5	--	1.52	0.2	10	390	<0.5	<2	0.69	<0.5	11	48	18	2.74	<10	0.08	20	0.54	400	2	0.03	27	790	20	<10	36	0.10	<10	<10	55	<10	70
KS-13	<5	--	1.65	0.2	20	370	<0.5	<2	0.67	<0.5	14	60	24	3.13	<10	0.09	10	0.66	447	<1	0.03	31	750	24	<10	34	0.10	<10	<10	60	<10	70
KS-14	<5	--	1.45	0.2	10	460	<0.5	<2	0.98	<0.5	12	45	30	2.77	<10	0.07	10	0.59	545	2	0.02	32	880	18	<10	45	0.08	<10	<10	53	<10	80
KS-15	<5	--	1.32	0.2	10	420	<0.5	<2	0.68	<0.5	13	57	25	2.76	<10	0.07	10	0.55	647	2	0.02	31	780	20	10	34	0.07	<10	<10	50	<10	70
KS-16	<5	--	1.26	0.2	10	460	<0.5	<2	0.66	<0.5	11	42	28	2.53	<10	0.08	10	0.48	484	1	0.02	31	650	20	<10	35	0.07	<10	<10	45	<10	70
KS-17	<5	--	1.17	0.2	20	350	<0.5	<2	0.81	<0.5	11	68	14	2.46	<10	0.08	10	0.50	481	2	0.02	25	770	18	<10	36	0.06	<10	<10	46	<10	70
LC-39	<5	160	1.71	0.2	20	200	<0.5	<2	7.64	<0.5	15	46	40	2.92	20	0.20	<10	0.76	1810	1	<0.01	45	900	28	<10	156	<0.01	<10	10	34	<10	90
LC-40	<5	90	1.99	0.2	10	260	<0.5	<2	0.77	<0.5	15	61	36	3.54	<10	0.14	20	0.83	637	2	0.02	47	770	26	<10	61	0.04	<10	<10	58	<10	90
LC-41	<5	90	1.68	0.2	10	330	<0.5	<2	2.12	<0.5	11	41	39	2.53	10	0.10	10	0.73	745	1	0.02	28	890	18	<10	217	0.04	<10	10	49	<10	60
LC-42	<5	90	1.58	0.2	20	350	<0.5	<2	0.85	<0.5	11	58	22	2.80	<10	0.10	20	0.62	455	1	0.03	30	560	22	<10	61	0.08	<10	<10	54	<10	60

Certified by : Iturt Bichler...

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8515939-004-A
INVOICE # : I8515939
DATE : 17-SEP-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNGNBERG

Sample description	Au ppb FA+AA	Hg 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
LC-43	<5	60	1.88	0.2	10	310	<0.5	<2	0.69	<0.5	12	56	23	3.10	<10	0.07	20	0.87	556	1	0.02	33	440	24	<10	59	0.06	<10	<10	63	<10	60
LC-44	<5	100	2.52	0.2	20	310	<0.5	<2	0.84	<0.5	25	140	47	3.63	10	0.15	20	1.88	676	3	0.03	111	1090	36	<10	51	0.05	<10	<10	71	<10	80
LC-45	<5	40	0.58	0.2	20	130	<0.5	<2	0.12	<0.5	5	94	1	1.05	<10	0.11	10	0.19	139	2	0.01	13	220	18	<10	11	<0.01	<10	<10	14	<10	30
LC-46	<5	40	0.79	0.2	20	190	<0.5	<2	0.27	<0.5	5	88	4	1.39	<10	0.11	10	0.28	157	2	0.01	17	340	22	<10	20	0.01	<10	<10	20	<10	40
LC-47	<5	40	1.31	0.2	20	270	<0.5	<2	6.30	<0.5	8	44	9	2.10	20	0.03	<10	0.58	413	1	<0.01	20	470	18	<10	664	0.02	<10	<10	36	<10	40
LC-48	<5	30	0.68	0.2	10	130	<0.5	<2	0.20	<0.5	6	134	3	1.28	<10	0.12	10	0.23	202	2	0.01	15	310	20	<10	16	<0.01	<10	<10	14	<10	40
LC-49	<5	50	1.43	0.2	30	250	<0.5	<2	0.25	<0.5	12	68	26	2.68	<10	0.09	20	0.45	356	4	0.01	21	340	44	<10	27	0.02	<10	<10	47	<10	50
LC-50	5	70	1.01	0.2	30	380	<0.5	<2	6.59	<0.5	21	22	15	4.72	20	0.18	<10	2.36	2488	3	0.02	22	1140	24	<10	78	<0.01	<10	20	55	10	90
LC-51	<5	70	2.56	0.2	10	290	<0.5	<2	0.71	<0.5	18	45	17	5.12	10	0.13	20	1.02	929	1	0.01	24	630	18	<10	149	<0.01	<10	<10	86	10	70
LC-52	<5	50	1.04	0.2	10	180	<0.5	<2	0.76	<0.5	8	123	12	2.16	<10	0.16	10	0.52	430	1	0.01	22	490	14	<10	58	<0.01	<10	<10	29	<10	50
LC-53	<5	50	1.68	0.2	<10	240	<0.5	<2	1.43	<0.5	12	48	14	3.08	10	0.17	10	0.75	698	<1	0.02	34	510	18	<10	93	0.01	<10	<10	43	<10	60
LC-54	<5	60	1.78	0.2	<10	330	<0.5	<2	1.26	<0.5	14	52	23	4.19	10	0.25	20	0.73	790	1	0.01	22	1000	24	<10	117	<0.01	<10	<10	50	10	60
LC-55	<5	70	1.71	0.2	10	470	<0.5	<2	1.20	<0.5	12	57	28	3.37	10	0.20	20	0.51	513	1	0.02	27	720	20	<10	104	0.02	<10	<10	53	<10	50
LC-56	<5	70	1.29	0.2	10	510	<0.5	<2	1.69	<0.5	11	79	25	2.74	<10	0.13	10	0.86	439	1	0.04	29	840	16	<10	55	0.08	<10	10	48	<10	80
LC-57	<5	110	2.18	0.2	<10	890	<0.5	<2	1.89	<0.5	19	68	32	4.65	10	0.35	20	0.47	1273	2	0.01	34	1060	34	<10	246	<0.01	<10	10	69	10	90
SILT-02	<5	--	1.22	0.2	50	230	<0.5	<2	0.39	<0.5	9	90	7	2.33	<10	0.15	10	0.75	402	1	0.01	19	810	26	<10	19	0.02	<10	<10	30	<10	80

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A9516083-001-A
INVOICE # : I9516083
DATE : 20-SEP-95
P.O. # : NONE
DAWSON

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since the 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 :
ATTN: ART TROUP CC: P. GRUNENBERG

Sample description	Au ppb FA+AA	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	
PG 53+40	35	2.40	11.0	40	150	<0.5	100	0.37	2.0	25	73	126	4.83	<10	0.17	20	2.49	1422	1	0.01	44	900	162	<10	15	0.01	<10	<10	36	<10	360	--
PG 141	<5	0.89	0.2	10	290	<0.5	<2	0.05	<0.5	4	30	9	2.33	<10	0.14	20	0.16	144	1	0.01	6	200	48	<10	6	0.02	<10	<10	15	<10	90	-
PG 142	<5	1.41	0.2	10	510	<0.5	<2	0.15	<0.5	6	35	2	2.14	<10	0.10	30	0.34	250	<1	0.01	12	220	40	<10	14	0.05	<10	<10	34	<10	60	--
PG 143	<5	1.72	0.2	10	480	<0.5	<2	0.14	<0.5	5	44	9	2.80	<10	0.09	20	0.31	251	<1	0.01	13	360	26	<10	14	0.05	<10	<10	47	<10	50	--
PG 144	<5	1.22	0.2	10	400	<0.5	<2	0.18	<0.5	7	45	13	2.08	<10	0.13	20	0.28	341	<1	0.01	14	360	28	<10	15	0.05	<10	<10	33	<10	50	--
PG 145	<5	0.90	0.2	40	280	<0.5	<2	0.11	<0.5	3	35	5	1.54	<10	0.18	20	0.14	159	<1	0.01	6	200	28	<10	12	0.02	<10	<10	19	<10	40	--
PG 146	<5	1.41	0.2	10	410	<0.5	<2	0.20	<0.5	5	51	11	2.08	<10	0.15	20	0.30	207	<1	0.02	12	330	26	<10	18	0.05	<10	<10	36	<10	60	--
PG 147	5	1.60	0.2	10	530	<0.5	<2	0.24	<0.5	8	52	10	2.46	<10	0.16	20	0.39	305	<1	0.02	16	470	26	<10	21	0.06	<10	<10	46	<10	70	--
PG 148	<5	1.78	0.2	10	810	<0.5	<2	0.39	<0.5	8	40	12	2.47	<10	0.14	30	0.36	189	<1	0.02	17	830	22	<10	35	0.05	<10	<10	36	<10	70	--
PG 149	<5	1.85	0.2	10	840	<0.5	<2	0.28	<0.5	6	38	9	2.30	10	0.24	80	0.36	185	<1	0.02	13	520	42	<10	30	0.04	<10	<10	33	<10	70	-
PG 150	<5	1.40	1.0	40	490	<0.5	<2	0.25	2.5	10	57	82	3.13	<10	0.21	40	0.69	588	1	0.02	27	590	124	<10	21	0.04	<10	<10	32	<10	450	--
PG 151	<5	2.02	0.2	30	410	<0.5	<2	0.21	<0.5	9	66	27	3.08	<10	0.22	30	0.84	412	<1	0.01	23	400	68	<10	16	0.06	<10	<10	47	<10	130	-
PG 152	5	2.07	0.2	30	370	<0.5	4	0.29	<0.5	15	78	100	3.60	<10	0.45	30	1.47	721	1	0.01	37	660	116	<10	18	0.12	<10	<10	50	<10	290	--
PG 153	<5	2.31	0.2	30	280	<0.5	4	0.14	<0.5	8	54	124	3.93	<10	0.17	10	0.80	399	<1	0.02	17	320	92	<10	15	0.10	<10	<10	62	<10	260	--
PG 154	<5	2.40	0.2	50	150	<0.5	<2	0.31	<0.5	28	60	50	5.21	<10	0.18	30	2.23	1194	<1	0.01	39	950	40	<10	3	0.12	<10	<10	38	<10	140	--
PG 155	<5	2.49	0.6	40	370	<0.5	<2	0.09	<0.5	12	82	54	4.42	<10	0.15	10	1.18	505	<1	0.01	34	230	22	<10	6	0.06	<10	<10	53	<10	120	--
PG 156	<5	1.98	0.2	30	280	<0.5	<2	0.09	<0.5	9	60	100	3.08	<10	0.22	30	1.17	327	<1	0.01	23	290	20	<10	8	0.04	<10	<10	37	<10	150	--
PG 157	<5	1.95	0.2	20	280	<0.5	<2	0.14	<0.5	7	49	34	2.98	<10	0.12	10	0.86	289	<1	0.01	15	190	16	<10	6	0.15	<10	<10	46	<10	110	-
PG 158	<5	1.93	0.2	10	430	<0.5	<2	0.09	<0.5	7	42	22	2.67	<10	0.17	30	0.54	188	<1	0.01	13	290	54	<10	8	0.04	<10	<10	38	<10	70	--
PG 159	<5	2.71	0.2	20	400	<0.5	<2	0.22	<0.5	16	107	38	4.18	10	0.23	40	1.89	462	<1	0.01	52	770	14	<10	15	0.04	<10	<10	54	<10	120	--
PG 160	<5	1.78	0.2	40	430	<0.5	<2	0.22	<0.5	11	52	36	3.38	10	0.25	40	0.88	351	<1	0.01	39	850	16	<10	21	0.01	<10	<10	31	<10	100	--
PG 161	<5	1.28	0.2	10	290	<0.5	<2	0.12	<0.5	4	30	<1	1.68	10	0.23	50	0.20	109	<1	0.01	9	430	28	<10	12	0.01	<10	<10	26	<10	40	--
PG 162	<5	1.47	0.2	10	500	<0.5	<2	0.29	<0.5	5	64	28	1.87	<10	0.13	20	0.30	157	<1	0.02	21	410	20	<10	27	0.07	<10	<10	43	<10	50	--
PG 163	<5	2.17	0.2	30	450	<0.5	2	0.36	<0.5	11	61	48	3.53	<10	0.24	20	1.02	539	<1	0.02	23	590	32	<10	22	0.04	<10	<10	45	<10	130	-
PG 164	<5	2.12	1.2	30	490	<0.5	4	1.10	1.5	18	66	67	3.22	<10	0.17	30	0.99	2118	<1	0.02	36	640	36	<10	60	0.08	<10	<10	52	<10	170	--
PG 165	<5	2.20	0.8	50	340	<0.5	2	0.67	0.5	15	61	71	3.79	<10	0.20	20	1.41	887	<1	0.01	27	670	36	<10	35	0.08	<10	<10	48	<10	200	--
PG 166	<5	2.20	0.2	20	550	<0.5	<2	0.77	<0.5	13	69	54	3.58	<10	0.21	30	1.20	814	1	0.01	26	830	36	<10	42	0.12	<10	<10	51	<10	150	--
PG 167	<5	2.12	0.2	30	710	<0.5	<2	0.83	0.5	20	55	51	3.37	<10	0.17	30	0.94	1437	1	0.01	24	780	46	<10	51	0.03	<10	<10	43	<10	140	-
PG 168	<5	1.81	0.2	10	630	<0.5	<2	0.25	<0.5	7	47	22	2.48	<10	0.15	20	0.58	244	<1	0.02	16	290	30	<10	23	0.04	<10	<10	40	<10	90	--
PG 169	<5	1.79	0.2	10	650	<0.5	<2	0.25	<0.5	7	50	10	2.49	<10	0.13	20	0.43	219	<1	0.02	16	260	22	<10	24	0.05	<10	<10	44	<10	70	-
PG 170	<5	1.77	0.2	<10	410	<0.5	<2	0.17	<0.5	8	48	15	2.68	<10	0.13	30	0.42	228	<1	0.02	17	310	20	<10	18	0.06	<10	<10	52	<10	70	--
PG 171	<5	1.73	0.2	<10	530	<0.5	<2	0.23	<0.5	6	47	17	2.62	<10	0.15	20	0.39	236	<1	0.02	17	420	26	<10	23	0.05	<10	<10	49	<10	70	--
PG 172	<5	1.38	0.2	<10	340	<0.5	<2	0.21	<0.5	5	41	12	2.30	<10	0.14	20	0.39	241	<1	0.02	14	320	34	<10	18	0.06	<10	<10	39	<10	60	--
PG 173	<5	1.84	0.2	<10	340	<0.5	<2	0.13	<0.5	5	37	7	2.04	<10	0.16	30	0.31	217	<1	0.02	9	220	24	<10	14	0.05	<10	<10	32	<10	50	-
PG 174	<5	1.20	0.2	10	200	<0.5	<2	0.06	<0.5	2	41	11	1.60	<10	0.09	30	0.14	121	<1	0.02	5	340	30	<10	10	0.02	<10	<10	32	<10	40	-
PG 175	<5	1.10	0.2	<10	240	<0.5	<2	0.10	<0.5	2	42	9	1.37	<10	0.07	10	0.14	80	<1	0.02	5	390	18	<10	15	0.02	<10	<10	29	<10	30	
PG 176	<5	1.54	0.2	<10	280	<0.5	<2	0.06	<0.5	4	32	3	2.45	<10	0.10	10	0.20	136	<1	0.01	9	330	16	<10	7	0.03	<10	<10	35	<10	60	--
PG 177	<5	2.57	0.2	<10	670	<0.5	<2	0.18	<0.5	10	52	7	3.37	<10	0.09	10	0.37	445	<1	0.02	17	330	26	<10	14	0.09	<10	<10	68	<10	110	-
PG 178	<5	2.85	0.2	10	470	<0.5	<2	0.16	<0.5	8	53	11	3.64	<10	0.10	20	0.51	303	<1	0.02	20	230	16	<10	17	0.13	<10	<10	76	<10	60	--
PG 179	<5	1.81	0.2	<10	400	<0.5	<2	0.12	<0.5	8	42	4	2.71	<10	0.09	20	0.34	706	<1	0.02	12	260	28	<10	14	0.09	<10	<10	62	<10	60	

Certified by: Marie Bichler

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

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CERT. # : A8516083-002-A
INVOICE # : I8516083
DATE : 28-SEP-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: P. GRUNENBERG

Sample description	Au ppb FA+AA	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	
PG 180	--	<5	1.54	-0.2	10	350	<0.5	<2	0.12	<0.5	5	33	5	2.36	<10	0.11	30	0.26	327	1	0.02	9	280	58	<10	12	0.08	<10	<10	55	<10	60	--
PG 181	-	<5	1.60	-0.2	170	410	<0.5	<2	0.07	<0.5	4	25	20	2.61	<10	0.13	20	0.20	141	1	0.01	13	280	102	<10	13	0.01	<10	<10	33	<10	110	--
PG 182		<5	2.65	0.2	10	380	<0.5	<2	0.11	<0.5	12	55	67	4.03	<10	0.06	10	0.58	468	<1	0.01	21	530	18	<10	12	0.08	<10	<10	74	<10	80	--
PG 183		<5	1.57	1.4	10	660	<0.5	<2	0.17	<0.5	12	43	21	3.17	<10	0.12	20	0.34	981	1	0.02	18	850	48	<10	18	0.07	<10	<10	58	<10	80	--
PG 184		<5	0.91	0.2	10	320	<0.5	<2	0.04	<0.5	2	15	26	1.80	<10	0.15	30	0.11	52	1	0.02	3	270	296	<10	13	0.02	<10	<10	18	<10	50	--
PG 185		<5	0.82	0.2	<10	440	<0.5	<2	0.07	<0.5	2	16	<1	1.21	<10	0.15	20	0.12	171	<1	0.01	3	220	22	<10	9	0.01	<10	<10	17	<10	40	
PG 186		<5	2.22	0.2	<10	480	<0.5	<2	0.13	<0.5	7	38	5	3.57	<10	0.11	20	0.44	258	<1	0.01	14	220	32	<10	14	0.08	<10	<10	65	<10	60	--
PG 187		<5	1.94	0.2	<10	320	<0.5	<2	0.17	<0.5	7	37	4	3.19	<10	0.08	20	0.37	360	<1	0.01	12	280	18	<10	17	0.11	<10	<10	76	<10	40	--
PG 188		<5	2.30	0.2	<10	310	<0.5	<2	0.11	<0.5	7	39	5	3.56	<10	0.13	10	0.40	251	<1	0.01	15	190	24	<10	13	0.08	<10	<10	61	<10	60	--
PG 189		<5	2.04	0.2	<10	380	<0.5	<2	0.20	<0.5	6	34	5	2.71	<10	0.10	20	0.36	270	<1	0.02	14	240	28	<10	19	0.08	<10	<10	56	<10	60	--
PG 190		<5	1.38	0.2	<10	440	<0.5	<2	0.18	<0.5	5	32	7	2.34	<10	0.15	30	0.34	283	<1	0.02	11	250	42	<10	17	0.08	<10	<10	54	<10	50	--
PG 191		<5	0.69	0.2	<10	410	<0.5	<2	0.11	<0.5	1	62	2	1.02	<10	0.19	30	0.10	241	<1	0.02	3	200	18	<10	15	0.02	<10	<10	19	<10	40	--
PG 192		<5	1.73	0.2	<10	690	<0.5	<2	0.17	<0.5	5	84	4	2.25	<10	0.24	40	0.42	167	<1	0.02	13	110	20	<10	17	0.05	<10	<10	39	<10	50	--
PG 193		<5	1.05	0.2	<10	380	<0.5	<2	0.09	<0.5	3	52	2	1.55	<10	0.19	20	0.21	157	<1	0.01	6	130	14	<10	11	0.03	<10	<10	26	<10	40	--
PG 194		<5	1.60	0.2	30	460	<0.5	<2	0.09	<0.5	6	45	56	2.76	<10	0.23	30	0.47	283	<1	0.01	18	330	48	<10	11	0.03	<10	<10	28	<10	270	--
PG 195		<5	2.77	1.6	20	400	<0.5	<2	0.20	0.5	11	106	63	3.98	<10	0.13	20	1.13	628	1	0.02	26	460	232	10	18	0.08	<10	<10	86	<10	370	--
PG 196		<5	2.46	0.2	10	340	<0.5	<2	0.17	<0.5	9	86	23	3.67	<10	0.16	20	0.91	313	<1	0.02	26	250	32	<10	17	0.10	<10	<10	65	<10	90	--
PG 197		<5	1.95	0.8	10	410	<0.5	<2	0.10	<0.5	7	65	89	3.07	<10	0.28	30	0.72	425	<1	0.01	18	230	14	<10	13	0.03	<10	<10	33	<10	70	--
PG 198		<5	2.29	0.4	10	290	<0.5	<2	0.17	<0.5	10	73	28	3.87	<10	0.14	20	0.80	334	1	0.02	25	360	10	<10	15	0.06	<10	<10	70	<10	70	--
PG 199		<5	2.52	0.4	130	350	<0.5	<2	0.30	<0.5	14	76	68	4.46	<10	0.21	20	1.75	843	<1	0.01	26	480	22	<10	13	0.05	<10	<10	59	<10	200	--
PG 200		<5	2.28	0.6	20	340	<0.5	2	0.11	<0.5	8	88	80	3.94	<10	0.27	20	1.42	380	<1	0.02	21	360	48	<10	20	0.08	<10	<10	68	<10	120	--
PG 201		<5	2.58	0.2	10	230	<0.5	<2	0.23	<0.5	16	88	47	4.44	<10	0.17	20	2.11	919	<1	0.01	29	470	102	<10	7	0.16	<10	<10	59	<10	330	--
PG 202		<5	2.10	0.2	<10	290	<0.5	<2	0.16	<0.5	9	58	36	3.05	<10	0.15	20	1.00	293	<1	0.01	21	290	12	<10	11	0.06	<10	<10	48	<10	80	--
PG 203		<5	2.11	0.2	<10	270	<0.5	<2	0.25	<0.5	10	71	29	3.39	<10	0.11	20	1.21	360	<1	0.01	25	340	20	<10	16	0.05	<10	<10	54	<10	100	--
PG 204		<5	1.68	0.2	10	250	<0.5	<2	0.31	<0.5	5	73	21	2.29	<10	0.12	20	0.86	253	<1	0.02	16	550	20	<10	22	0.08	<10	<10	39	<10	110	--
PG 205		<5	1.62	0.2	<10	230	<0.5	<2	0.29	<0.5	5	76	15	2.27	<10	0.11	20	0.82	245	<1	0.02	16	420	18	<10	19	0.08	<10	<10	43	<10	90	--
PG 206		<5	2.32	1.6	20	320	<0.5	<2	0.37	<0.5	8	89	55	3.39	<10	0.18	20	1.46	390	<1	0.02	24	720	30	<10	26	0.10	<10	<10	50	<10	220	--
PG 207		<5	2.13	0.6	40	550	<0.5	<2	0.36	0.5	8	69	34	2.73	<10	0.17	20	0.79	282	<1	0.02	20	590	42	<10	28	0.07	<10	<10	44	<10	160	--
PG 208		<5	1.49	0.2	30	270	<0.5	<2	0.24	<0.5	10	75	23	2.50	<10	0.14	20	0.61	497	1	0.02	17	620	58	150	17	0.06	<10	<10	37	<10	200	--
PG 209		<5	1.78	0.2	<10	490	<0.5	<2	0.28	<0.5	8	69	19	2.22	<10	0.19	30	0.45	329	<1	0.02	14	320	34	<10	25	0.07	<10	<10	38	<10	80	--
PG 210		5	1.93	1.0	<10	800	<0.5	<2	0.50	1.0	16	48	49	2.48	<10	0.24	30	0.41	1030	1	0.02	20	630	48	<10	45	0.04	<10	<10	36	<10	100	--
PG 211		<5	2.97	0.6	<10	1260	<0.5	<2	0.59	0.5	13	47	29	3.55	<10	0.17	60	0.36	534	<1	0.02	25	1010	40	<10	57	0.04	<10	<10	50	<10	80	--
PG 212		<5	2.18	0.2	<10	490	<0.5	<2	0.19	<0.5	7	64	11	2.94	<10	0.19	20	0.52	255	<1	0.02	17	390	24	<10	20	0.08	<10	<10	51	<10	70	--
PG 213		<5	1.91	0.2	<10	520	<0.5	<2	0.16	<0.5	5	69	14	2.39	<10	0.24	20	0.31	172	1	0.02	13	350	28	<10	19	0.05	<10	<10	42	<10	60	
PG 214		<5	1.35	0.2	<10	250	<0.5	<2	0.07	<0.5	7	45	9	2.19	<10	0.12	10	0.24	445	1	0.01	10	330	30	<10	9	0.02	<10	<10	32	<10	40	--
PG 215		<5	2.07	0.2	<10	440	<0.5	<2	0.09	<0.5	7	59	9	3.09	<10	0.07	30	0.41	239	<1	0.02	17	150	14	110	10	0.05	<10	<10	48	<10	60	
PG 216		<5	1.72	0.2	<10	280	<0.5	<2	0.11	<0.5	6	47	12	2.52	<10	0.06	10	0.40	190	<1	0.01	16	110	18	<10	12	0.07	<10	<10	47	<10	40	--
PG 217		<5	1.20	0.2	<10	800	<0.5	<2	0.14	<0.5	4	57	7	1.84	<10	0.12	20	0.23	359	<1	0.02	9	320	44	<10	17	0.03	<10	<10	33	<10	60	
PG 218		<5	0.84	0.2	<10	480	<0.5	<2	0.06	<0.5	3	36	2	1.34	<10	0.11	20	0.12	139	<1	0.01	5	190	20	<10	9	0.02	<10	<10	20	<10	40	--
PG 219		<5	1.50	0.2	10	380	<0.5	<2	0.04	<0.5	5	44	32	2.84	<10	0.10	30	0.26	188	1	0.01	24	270	26	<10	7	0.02	<10	<10	23	<10	120	

Certified by Stan Beckler

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A9516083-003-A
INVOICE # : I9516083
DATE : 20-SEP-95
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: P. GRUNENBERG

Sample description	Au ppb FA+AA	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	
FG 220	<5	1.98	0.2	10	400	<0.5	<2	0.11	<0.5	9	74	21	2.74	<10	0.12	20	0.37	305	1	0.02	20	210	30	<10	13	0.05	<10	<10	46	<10	60	--
FG 221	<5	1.85	<0.2	30	820	<0.5	<2	0.09	<0.5	18	102	55	3.88	<10	0.24	40	0.44	852	1	0.02	34	750	36	<10	12	0.03	<10	<10	39	<10	80	--
FG 222	<5	2.10	<1.4	10	400	<0.5	<2	0.14	<0.5	14	68	94	3.65	<10	0.13	20	0.54	595	<1	0.02	18	680	22	<10	14	0.06	<10	<10	60	<10	80	--
FG 223	<5	1.35	<0.2	10	370	<0.5	<2	0.13	<0.5	8	64	16	2.24	<10	0.14	30	0.26	686	<1	0.02	10	270	12	<10	14	0.05	<10	<10	44	<10	50	-
FG 224	<5	3.52	<0.2	<10	370	<0.5	<2	0.46	0.3	18	50	27	4.42	<10	0.17	10	1.12	821	<1	0.02	15	370	10	<10	21	0.15	<10	<10	74	<10	120	--
FRENCH RD 14+50W	<5	2.24	0.4	20	300	<0.5	<2	0.48	<0.5	13	87	68	4.03	<10	0.16	20	1.22	601	<1	0.02	26	480	32	<10	27	0.08	<10	<10	55	<10	160	--
FRENCH RD 15+00W	<5	2.51	0.2	10	180	<0.5	<2	0.37	<0.5	18	66	74	5.08	<10	0.19	30	1.84	1466	1	0.01	39	1010	26	<10	18	0.01	<10	<10	40	<10	180	--
FRENCH RD 15+50W	<5	1.57	0.2	10	300	<0.5	<2	0.29	<0.5	6	58	56	2.68	<10	0.30	20	0.54	903	<1	0.02	12	570	8	<10	13	0.06	<10	<10	24	<10	70	--
KG-002	<5	1.92	0.2	<10	760	<0.5	<2	0.53	<0.5	9	91	14	2.58	<10	0.21	30	0.50	498	1	0.02	16	200	22	<10	40	0.06	<10	<10	47	<10	40	--
KG-003	<5	0.71	0.2	<10	260	<0.5	<2	0.12	<0.5	2	62	<1	0.92	<10	0.20	40	0.20	65	<1	0.01	5	90	22	<10	12	0.02	<10	<10	15	<10	20	-
KG-004	<5	0.72	0.2	<10	470	<0.5	<2	0.08	<0.5	2	105	1	0.95	<10	0.26	50	0.19	192	<1	0.02	6	90	42	<10	10	0.01	<10	<10	9	<10	30	--
KG-005	<5	0.89	0.2	<10	530	<0.5	<2	0.22	<0.5	3	98	9	1.31	<10	0.19	30	0.24	373	<1	0.02	10	110	16	<10	19	0.04	<10	<10	21	<10	30	--
KG-006	<5	0.96	0.2	<10	640	<0.5	<2	0.23	<0.5	3	73	2	1.44	<10	0.16	30	0.28	147	<1	0.02	9	140	22	<10	20	0.04	<10	<10	21	<10	30	--
KG-007	<5	1.04	0.2	<10	580	<0.5	<2	0.23	<0.5	5	80	4	1.61	<10	0.14	20	0.36	136	<1	0.02	11	120	20	<10	18	0.05	<10	<10	24	<10	30	--
KG-008	<5	0.87	0.2	10	780	<0.5	<2	0.22	<0.5	4	57	7	1.41	<10	0.17	40	0.35	171	<1	0.02	9	210	26	<10	24	0.02	<10	<10	16	<10	40	--
KG-009	<5	0.74	0.2	<10	1070	<0.5	<2	0.12	<0.5	2	45	4	1.02	<10	0.20	50	0.34	150	<1	0.01	6	150	36	<10	19	0.02	<10	<10	8	<10	50	--
KG-010	<5	0.99	0.2	<10	490	<0.5	<2	0.20	<0.5	3	62	3	1.43	<10	0.19	30	0.28	167	<1	0.01	6	170	20	<10	15	0.02	<10	<10	19	<10	40	--
KG-011	<5	0.54	0.2	<10	990	<0.5	<2	0.07	<0.5	2	60	11	0.80	<10	0.22	70	0.16	157	<1	0.01	2	170	86	<10	10	<0.01	<10	<10	4	<10	70	--
KG-012	<5	0.56	0.2	<10	400	<0.5	<2	0.08	<0.5	1	69	2	0.72	<10	0.21	50	0.15	41	<1	0.01	2	100	22	<10	8	<0.01	<10	<10	4	<10	40	--
KG-013	<5	1.17	0.2	<10	540	<0.5	<2	0.24	<0.5	5	83	2	1.68	<10	0.20	30	0.36	175	<1	0.02	11	160	38	<10	17	0.05	<10	<10	26	<10	50	--
KG-014	<5	1.09	0.2	<10	420	<0.5	<2	0.27	<0.5	3	42	6	1.21	<10	0.24	50	0.50	124	<1	0.01	5	240	44	<10	18	0.01	<10	<10	10	<10	60	--
KG-015	<5	0.98	0.2	10	370	<0.5	<2	0.36	<0.5	9	77	7	2.10	<10	0.10	10	0.55	460	<1	0.01	13	530	28	<10	24	0.06	<10	<10	21	<10	70	--
KG-016	<5	1.16	0.2	10	640	<0.5	<2	0.18	<0.5	5	60	4	1.81	<10	0.15	30	0.29	186	<1	0.02	12	170	28	<10	16	0.06	<10	<10	33	<10	50	--
KG-017	<5	1.11	0.2	<10	340	<0.5	<2	0.17	<0.5	3	47	30	1.64	<10	0.21	30	0.36	102	<1	0.01	10	170	36	<10	15	0.03	<10	<10	21	<10	70	--
KG-018	<5	0.54	0.2	<10	1090	<0.5	<2	0.17	<0.5	2	39	11	0.78	<10	0.19	20	0.13	84	<1	0.01	2	90	20	<10	31	0.02	<10	<10	5	<10	30	--
KG-019	<5	0.65	0.2	<10	1830	<0.5	<2	0.05	<0.5	1	38	2	0.74	<10	0.25	50	0.18	60	<1	0.01	3	90	18	<10	17	<0.01	<10	<10	4	<10	30	--
KG-020	<5	0.59	0.2	<10	1640	<0.5	<2	0.06	<0.5	2	34	3	0.79	<10	0.22	30	0.16	57	<1	0.01	4	90	14	<10	32	0.01	<10	<10	9	<10	20	--
KG-021	<5	1.35	0.2	<10	710	<0.5	<2	0.28	<0.5	6	52	1	2.22	<10	0.19	20	0.42	261	<1	0.02	15	150	18	<10	24	0.08	<10	<10	42	<10	50	--
KG-022	<5	0.74	0.2	<10	440	<0.5	<2	0.13	<0.5	3	39	4	1.11	<10	0.22	20	0.20	85	<1	0.01	5	100	24	<10	13	0.02	<10	<10	15	<10	30	--
KG-023	<5	0.51	0.2	<10	870	<0.5	<2	0.06	<0.5	2	41	<1	0.70	<10	0.19	30	0.13	83	<1	0.01	3	70	12	<10	18	0.01	<10	<10	8	<10	20	--
KG-024	<5	0.70	0.2	<10	1080	<0.5	<2	0.09	<0.5	2	27	<1	0.90	<10	0.18	40	0.20	66	<1	0.01	5	80	24	<10	20	0.01	<10	<10	8	<10	30	--
KG-025	<5	0.60	0.2	<10	550	<0.5	<2	0.10	<0.5	3	34	9	0.91	<10	0.16	30	0.18	110	<1	0.01	8	100	24	<10	14	0.01	<10	<10	9	<10	30	--
KG-026	<5	1.45	0.2	<10	740	<0.5	<2	0.27	<0.5	8	62	<1	2.41	<10	0.22	30	0.47	274	<1	0.02	14	170	26	<10	21	0.05	<10	<10	36	<10	40	--
KG-027	<5	0.61	0.2	<10	320	<0.5	<2	0.10	<0.5	2	40	<1	0.84	<10	0.17	30	0.14	50	<1	0.01	4	70	16	<10	10	0.01	<10	<10	8	<10	20	--
KG-028	<5	0.72	0.2	<10	280	<0.5	<2	0.07	<0.5	3	29	3	0.98	<10	0.21	60	0.25	93	<1	0.01	5	100	42	<10	10	<0.01	<10	<10	7	<10	30	--
KG-029	<5	1.01	0.2	<10	480	<0.5	<2	0.12	<0.5	2	24	6	1.07	<10	0.36	70	0.34	97	<1	0.01	4	150	18	<10	14	<0.01	<10	<10	7	<10	30	-
KG-030	<5	0.83	0.2	<10	340	<0.5	<2	0.09	<0.5	3	34	2	1.16	<10	0.30	70	0.36	97	<1	0.01	5	110	38	<10	17	0.02	<10	<10	6	<10	30	--
KG-031	<5	0.66	0.2	<10	250	<0.5	<2	0.05	<0.5	2	36	<1	0.88	<10	0.27	30	0.17	54	<1	0.01	3	100	14	<10	9	<0.01	<10	<10	6	<10	20	--
KG-032	<5	0.80	0.2	<10	260	<0.5	<2	0.12	<0.5	2	38	5	1.00	<10	0.23	50	0.28	114	<1	0.01	5	100	28	<10	12	<0.01	<10	<10	7	<10	30	--
KG-033	<5	0.80	0.2	<10	400	<0.5	<2	0.13	<0.5	3	47	2	1.15	<10	0.20	30	0.16	166	<1	0.01	5	100	30	<10	12	0.02	<10	<10	15	<10	20	--

Certified by Stewart Bachlet

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

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CERT. # : A8516083-004-A
INVOICE # : I8516083
DATE : 20-SEP-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: P. GRUNENBERG

Sample description	Au ppb FA+AA	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	
KG-034	<5	0.74	0.2	<10	590	<0.5	<2	0.13	<0.5	3	89	9	1.24	<10	0.23	70	0.22	155	<1	0.01	7	130	56	<10	14	0.01	<10	<10	10	<10	50	--
KG-035	<5	0.94	0.2	10	430	<0.5	<2	0.20	<0.5	3	41	4	1.38	<10	0.23	60	0.33	151	<1	0.01	7	100	22	<10	19	0.02	<10	<10	12	<10	50	--
KG-036	<5	1.29	0.2	20	640	<0.5	<2	0.20	<0.5	6	96	27	2.11	10	0.31	100	0.37	437	<1	0.01	12	210	54	<10	17	0.01	<10	<10	15	<10	80	--
KG-037	<5	0.86	0.2	10	360	<0.5	<2	0.13	<0.5	3	53	11	1.50	<10	0.23	10	0.22	125	<1	0.01	8	150	14	<10	10	0.01	<10	<10	14	<10	50	--
KG-038	<5	1.89	2.0	10	660	<0.5	<2	0.17	<0.5	7	165	23	3.72	<10	0.24	20	1.24	334	2	0.03	16	450	94	<10	37	0.07	<10	<10	43	<10	130	--
KG-039	<5	1.39	0.6	<10	610	<0.5	<2	0.39	<0.5	8	70	17	3.16	<10	0.22	20	0.76	316	<1	0.02	17	530	52	<10	48	0.14	<10	<10	32	<10	90	--
KG-040	25	1.91	2.0	60	620	<0.5	<2	0.43	<0.5	9	120	27	3.69	<10	0.15	20	1.18	387	1	0.02	19	540	32	<10	41	0.04	<10	<10	35	<10	90	--
KG-041	<5	1.08	0.2	10	1440	<0.5	<2	0.70	<0.5	10	82	14	3.53	<10	0.13	10	0.68	628	<1	0.02	14	850	14	<10	77	0.08	<10	<10	24	<10	80	-
KG-042	5	1.80	1.6	20	570	<0.5	<2	1.01	<0.5	17	119	34	4.03	<10	0.15	20	1.09	816	1	0.02	28	880	24	<10	72	0.09	<10	<10	39	<10	120	--
KG-043	<5	1.35	0.2	10	480	<0.5	<2	2.31	<0.5	11	77	27	2.53	<10	0.20	10	0.68	389	<1	0.01	19	830	6	<10	80	0.05	<10	<10	27	<10	90	--
KG-044	<5	1.62	0.2	10	480	<0.5	<2	1.07	<0.5	13	125	30	3.31	<10	0.29	20	0.94	589	<1	0.01	22	1110	10	<10	49	0.10	<10	<10	35	<10	90	--
KG-045	<5	1.88	0.2	<10	630	<0.5	<2	0.90	<0.5	13	71	30	3.54	<10	0.33	20	0.97	557	<1	0.01	18	760	12	<10	48	0.11	<10	<10	32	<10	100	--
KG-046	<5	1.54	0.2	10	650	<0.5	<2	0.61	0.5	13	91	16	3.89	<10	0.30	30	0.96	328	<1	0.01	13	1100	24	<10	38	0.08	<10	<10	17	<10	120	--
KG-047	<5	1.53	0.2	<10	640	<0.5	<2	0.91	<0.5	8	72	15	2.60	<10	0.20	20	0.70	492	<1	0.01	14	710	12	<10	49	0.06	<10	<10	27	<10	70	--
KG-048	<5	1.69	0.2	10	620	<0.5	<2	1.06	<0.5	10	110	23	3.09	<10	0.23	20	0.86	389	<1	0.01	16	640	12	<10	54	0.14	<10	<10	34	<10	80	--
KG-049	<5	1.59	0.2	10	540	<0.5	<2	1.54	<0.5	10	72	16	2.84	<10	0.17	20	0.94	291	<1	0.01	16	810	8	<10	79	0.11	<10	<10	32	<10	80	--
KG-050	<5	1.67	0.2	<10	460	<0.5	<2	1.06	<0.5	10	115	16	2.62	<10	0.21	20	0.84	258	<1	0.02	18	790	10	<10	59	0.11	<10	<10	36	<10	60	--
KG-051	<5	2.32	0.2	<10	550	<0.5	<2	0.56	<0.5	10	76	9	3.42	<10	0.20	10	1.05	322	<1	0.02	16	580	10	<10	40	0.10	<10	<10	45	<10	80	--
KG-052	<5	3.07	0.2	10	470	<0.5	<2	0.60	<0.5	9	107	7	3.32	<10	0.15	10	0.94	301	<1	0.02	17	730	8	<10	35	0.08	<10	<10	44	<10	90	--
KG-053	<5	2.09	0.2	20	270	<0.5	<2	0.42	<0.5	13	39	19	3.73	<10	0.09	20	1.26	299	<1	0.01	21	1210	12	<10	20	0.06	<10	<10	26	<10	120	--
KG-054	10	1.67	0.2	50	350	<0.5	<2	0.26	<0.5	11	78	32	3.50	<10	0.11	30	1.00	291	<1	0.01	36	840	8	<10	16	0.03	<10	<10	40	<10	130	--
KG-055	<5	1.49	0.2	10	560	<0.5	<2	0.39	<0.5	8	69	7	2.51	<10	0.16	30	0.51	328	<1	0.02	15	480	14	<10	30	0.07	<10	<10	41	<10	60	--
KG-056	<5	1.10	0.2	10	440	<0.5	<2	0.21	<0.5	5	117	4	1.92	<10	0.16	40	0.48	149	<1	0.01	15	340	24	<10	19	0.04	<10	<10	21	<10	60	--
KG-057	5	1.29	0.2	10	420	<0.5	<2	0.32	<0.5	10	61	13	2.49	<10	0.14	30	0.55	376	<1	0.01	18	560	24	<10	27	0.07	<10	<10	31	<10	70	-
KG-058	<5	1.58	0.2	<10	490	<0.5	<2	0.34	<0.5	7	122	3	2.40	<10	0.15	20	0.59	235	<1	0.02	14	490	14	<10	27	0.08	<10	<10	39	<10	60	--
KG-059	<5	1.10	0.2	60	330	<0.5	<2	0.15	<0.5	7	47	13	2.48	<10	0.17	60	0.59	179	<1	0.01	32	380	48	<10	15	0.01	<10	<10	9	<10	120	--
KG-060	<5	1.10	0.2	20	530	<0.5	<2	0.41	<0.5	6	102	13	2.01	<10	0.17	40	0.55	239	<1	0.01	18	440	30	<10	31	0.04	<10	<10	17	<10	70	--
KG-061	<5	1.38	0.2	10	490	<0.5	<2	0.38	<0.5	7	52	12	2.29	<10	0.21	30	0.67	251	<1	0.01	14	620	20	<10	30	0.08	<10	<10	25	<10	70	-
KG-062	<5	1.06	0.2	<10	480	<0.5	<2	0.26	<0.5	4	126	1	1.43	<10	0.18	10	0.35	105	<1	0.02	7	180	18	<10	35	0.05	<10	<10	20	<10	40	--
KG-063	<5	1.10	0.2	<10	480	<0.5	<2	0.27	<0.5	5	64	<1	1.54	<10	0.18	20	0.46	154	<1	0.01	7	200	16	<10	30	0.05	<10	<10	21	<10	50	-
KG-064	<5	1.02	0.2	<10	430	<0.5	<2	0.25	<0.5	4	124	<1	1.25	<10	0.20	10	0.39	99	<1	0.01	6	110	14	<10	39	0.05	<10	<10	15	<10	40	--
KG-065	<5	0.95	0.2	<10	740	<0.5	<2	0.81	<0.5	5	71	8	1.42	<10	0.17	40	0.45	288	<1	0.01	12	410	18	<10	68	0.03	<10	<10	16	<10	50	--
KG-066	<5	0.88	0.2	20	450	<0.5	<2	0.36	<0.5	4	88	1	1.56	<10	0.18	50	0.42	240	<1	0.01	11	350	22	<10	33	0.03	<10	<10	17	<10	40	--
KG-067	<5	1.41	0.2	20	580	<0.5	<2	0.86	<0.5	7	80	23	2.94	<10	0.22	40	0.97	427	<1	0.02	26	760	18	<10	64	0.08	<10	<10	35	<10	80	
KG-068	10	1.51	0.2	<10	470	<0.5	<2	0.57	<0.5	11	108	17	3.24	<10	0.26	40	0.89	382	<1	0.03	35	440	22	<10	48	0.11	<10	<10	41	<10	70	--
KG-069	<5	0.92	0.2	<10	760	<0.5	2	1.00	0.5	3	49	8	1.36	10	0.27	90	0.60	302	<1	0.01	4	200	50	<10	86	<0.01	10	10	4	<10	60	-
KG-070	<5	1.70	0.2	40	400	<0.5	<2	0.52	0.5	11	161	34	3.59	<10	0.36	50	1.58	496	1	0.02	38	980	22	<10	44	0.16	<10	<10	38	<10	100	--
KG-071	<5	1.17	1.2	<10	470	<0.5	<2	0.31	<0.5	7	82	55	4.58	<10	0.28	40	0.83	368	<1	0.02	17	640	18	<10	123	0.38	<10	<10	34	<10	90	
KG-072	<5	1.60	0.2	10	550	<0.5	<2	0.62	<0.5	10	107	15	2.76	<10	0.18	30	0.62	466	<1	0.03	33	780	12	<10	43	0.11	<10	<10	56	<10	80	--
KG-073	<5	1.58	0.6	20	580	<0.5	<2	0.42	<0.5	9	85	19	3.17	<10	0.33	30	0.72	273	<1	0.02	24	730	20	<10	36	0.14	<10	<10	40	<10	80	

Certified by Stan B. Beckler

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

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CERT. # : A8516083-005-A
INVOICE # : I8516083
DATE : 20-SEP-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: P. GRUNENBERG

Sample description	Au ppb FA+AA	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	
KG-074	5	1.84	0.2	20	450	<0.5	<2	0.28	<0.5	14	73	34	3.25	<10	0.26	90	1.46	588	<1	0.02	45	410	24	<10	24	0.04	<10	<10	28	<10	110	--
KG-075	10	1.19	0.2	<10	590	<0.5	<2	0.91	<0.5	5	31	12	1.62	10	0.25	110	0.58	177	<1	0.01	15	200	46	<10	37	<0.01	20	<10	8	<10	70	--
KG-076	<5	0.86	0.2	<10	450	<0.5	<2	0.07	<0.5	1	48	<1	0.91	<10	0.26	20	0.33	48	<1	0.01	4	80	18	<10	10	<0.01	<10	<10	3	<10	30	--
KG-077	325	1.85	0.2	90	510	<0.5	<2	0.25	0.5	11	94	29	3.72	<10	0.24	30	1.10	330	<1	0.02	37	630	14	4510	30	0.07	<10	<10	47	<10	110	-
KG-078	60	1.61	0.2	10	740	<0.5	<2	0.53	<0.5	9	64	43	2.93	<10	0.29	30	0.70	686	<1	0.03	24	1060	44	<10	41	0.09	<10	<10	42	<10	130	--
KG-079	<5	1.80	1.2	<10	780	<0.5	<2	0.38	<0.5	9	85	21	2.87	<10	0.22	30	0.67	249	<1	0.03	22	470	20	<10	29	0.12	<10	<10	49	<10	70	-
KG-080	30	1.84	1.0	<10	720	<0.5	<2	0.75	<0.5	12	73	24	3.13	<10	0.22	20	0.74	520	<1	0.03	25	790	202	<10	48	0.11	<10	<10	52	<10	100	--
KG-081	10	1.74	0.2	<10	690	<0.5	<2	0.71	<0.5	12	84	17	2.90	<10	0.14	30	0.71	514	<1	0.03	27	740	12	<10	48	0.10	<10	<10	55	<10	70	--
KG-082	10	1.36	0.2	10	730	<0.5	<2	0.64	<0.5	8	54	13	2.08	<10	0.11	30	0.54	396	<1	0.01	17	540	16	<10	45	0.05	<10	<10	33	<10	50	--
KG-083	<5	1.08	0.2	<10	420	<0.5	<2	0.35	<0.5	5	62	<1	1.77	<10	0.18	20	0.30	251	<1	0.01	10	310	18	<10	38	0.04	<10	<10	28	<10	40	-
KG-084	<5	1.25	0.2	10	620	<0.5	<2	0.25	<0.5	5	43	<1	1.80	<10	0.15	30	0.46	174	<1	0.01	10	250	18	<10	23	0.03	<10	<10	25	<10	50	--
KG-085	<5	0.91	0.2	10	330	<0.5	<2	0.22	<0.5	5	56	<1	1.73	<10	0.14	20	0.29	160	<1	0.01	9	320	20	<10	16	0.04	<10	<10	26	<10	40	--
KG-086	<5	0.68	0.2	10	230	<0.5	<2	0.22	<0.5	4	48	1	1.44	<10	0.12	20	0.24	128	<1	0.01	7	290	20	<10	16	0.05	<10	<10	24	<10	30	--
KG-087	<5	1.20	0.2	40	300	<0.5	<2	0.35	<0.5	7	62	3	2.48	<10	0.17	30	0.43	242	<1	0.02	13	510	20	<10	23	0.07	<10	<10	39	<10	70	--
KG-088	<5	1.60	0.2	10	500	<0.5	<2	0.39	<0.5	9	56	7	2.61	<10	0.14	20	0.49	335	<1	0.02	17	320	16	<10	29	0.09	<10	<10	49	<10	60	--
KG-089	<5	1.59	0.2	20	430	<0.5	<2	0.47	<0.5	9	63	7	2.94	<10	0.16	20	0.63	259	<1	0.02	17	600	16	<10	31	0.10	<10	<10	50	<10	60	-
KG-090	<5	1.91	0.2	50	1060	<0.5	<2	0.91	<0.5	19	54	17	4.78	<10	0.15	30	1.19	737	<1	0.04	25	1410	8	<10	64	0.10	<10	<10	61	<10	100	--
KG-091	5	1.60	0.2	30	500	<0.5	<2	0.35	<0.5	8	55	4	2.50	<10	0.17	40	0.43	249	<1	0.02	14	390	24	<10	28	0.07	<10	<10	41	<10	60	--
KG-092	5	1.48	0.2	<10	440	<0.5	<2	0.69	<0.5	9	65	18	2.77	<10	0.12	20	0.60	312	<1	0.02	24	720	10	<10	35	0.10	<10	<10	55	<10	70	--
KG-093	<5	1.40	0.2	10	570	<0.5	<2	1.01	<0.5	11	50	25	2.81	<10	0.13	20	0.73	459	<1	0.03	29	880	8	<10	45	0.11	<10	<10	55	<10	80	--
KG-094	<5	1.14	0.2	10	290	<0.5	<2	0.68	<0.5	8	80	7	2.11	<10	0.11	20	0.47	408	<1	0.02	18	680	8	<10	34	0.08	<10	<10	42	<10	70	--
KG-095	<5	0.96	0.2	10	360	<0.5	<2	0.17	<0.5	2	55	<1	1.10	<10	0.20	30	0.19	77	<1	0.01	6	140	30	<10	20	0.02	<10	<10	16	<10	20	-
KG-096	<5	1.35	0.2	<10	560	<0.5	<2	0.31	<0.5	6	76	<1	1.70	<10	0.29	50	0.41	270	<1	0.01	10	320	20	<10	30	0.03	<10	<10	22	<10	60	--
KG-097	<5	1.26	0.2	<10	370	<0.5	<2	0.25	<0.5	6	66	<1	1.62	<10	0.16	30	0.26	330	<1	0.01	9	270	8	<10	20	0.06	<10	<10	33	<10	40	-
KG-098	<5	0.91	0.2	10	300	<0.5	<2	0.13	<0.5	3	45	<1	1.03	<10	0.22	30	0.15	100	<1	<0.01	6	260	18	<10	11	0.02	<10	<10	16	<10	40	--
KG-099	<5	1.38	0.2	<10	510	<0.5	<2	0.34	<0.5	5	59	<1	1.57	<10	0.16	30	0.29	259	<1	0.01	8	150	12	<10	24	0.04	<10	<10	27	<10	40	--
KG-100	<5	5.32	0.2	<10	1240	<0.5	<2	1.13	<0.5	27	127	23	7.43	10	0.28	50	1.90	1291	<1	0.03	46	470	24	<10	89	0.15	<10	<10	138	<10	120	--
KG-101	5	2.00	0.2	<10	1720	<0.5	<2	0.38	<0.5	14	46	5	2.77	<10	0.26	30	0.43	1178	<1	0.01	13	390	16	<10	30	0.04	<10	<10	42	<10	170	--
KG-102	10	1.52	0.2	<10	400	<0.5	<2	0.21	<0.5	5	62	<1	2.23	<10	0.15	20	0.37	153	<1	0.01	13	150	12	<10	18	0.08	<10	<10	43	<10	40	--
KG-103	<5	1.78	0.2	10	390	<0.5	<2	0.23	<0.5	8	62	13	2.69	<10	0.13	20	0.51	203	<1	0.02	21	140	12	<10	21	0.10	<10	<10	52	<10	50	-
KG-104	<5	1.55	0.2	20	380	<0.5	<2	0.21	<0.5	5	68	4	2.19	<10	0.15	20	0.42	144	<1	0.01	12	200	8	<10	17	0.08	<10	<10	44	<10	40	--
KG-105	<5	1.35	0.2	<10	240	<0.5	<2	0.31	<0.5	5	72	6	1.92	<10	0.14	20	0.38	130	<1	0.01	11	330	10	<10	22	0.09	<10	<10	38	<10	40	-
KG-106	70	1.37	0.2	<10	200	<0.5	<2	0.26	<0.5	5	72	3	1.94	<10	0.15	20	0.35	146	<1	0.01	10	200	14	<10	20	0.08	<10	<10	37	<10	40	--
KG-107	5	1.34	0.2	<10	340	<0.5	<2	0.29	<0.5	5	82	5	1.90	<10	0.19	20	0.34	204	<1	0.02	13	290	14	<10	23	0.07	<10	<10	34	<10	40	
KG-108	5	1.60	0.2	20	230	<0.5	<2	0.29	<0.5	7	63	3	2.49	<10	0.11	20	0.44	178	<1	0.01	13	350	12	<10	20	0.09	<10	<10	49	<10	50	--
KG-109	<5	1.27	0.2	<10	240	<0.5	<2	0.28	<0.5	6	72	5	1.85	<10	0.14	20	0.36	173	<1	0.02	12	300	14	<10	20	0.09	<10	<10	37	<10	40	-
KG-110	<5	2.04	0.2	10	320	<0.5	<2	0.30	<0.5	8	62	4	2.72	<10	0.15	20	0.42	205	<1	0.01	16	350	12	<10	24	0.09	<10	<10	50	<10	50	--
KG-111	5	1.50	0.2	150	230	<0.5	<2	0.12	<0.5	5	71	<1	2.60	<10	0.18	30	0.28	157	1	0.01	12	300	14	<10	15	0.05	<10	<10	40	<10	70	
KG-112	<5	1.51	0.2	30	380	<0.5	<2	0.32	<0.5	5	63	3	2.15	<10	0.20	30	0.56	210	<1	0.01	24	440	22	<10	25	0.04	<10	<10	30	<10	70	--
KG-113	<5	1.58	0.2	10	320	<0.5	<2	0.35	<0.5	7	74	11	2.36	<10	0.15	30	0.53	225	<1	0.02	17	530	12	<10	25	0.09	<10	<10	43	<10	60	

Certified by Stuart Bachler...

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

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CERT. # : A8516083-006-A
INVOICE # : I8516083
DATE : 20-SEP-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: P. GRUNENBERG

Sample description	Au ppb FA+AA	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	
KG-114	10	1.54	0.2	<10	410	<0.5	<2	0.28	<0.5	7	72	<1	2.26	<10	0.12	30	0.40	170	<1	0.01	15	500	16	<10	22	0.07	<10	<10	43	<10	50	--
KG-115	20	1.19	0.2	<10	300	<0.5	<2	0.29	<0.5	6	55	3	1.66	<10	0.14	30	0.36	154	<1	0.01	11	380	12	<10	21	0.06	<10	<10	29	<10	50	--
KG-116	5	1.23	0.2	<10	320	<0.5	<2	0.39	<0.5	10	71	2	1.88	<10	0.14	30	0.35	709	<1	0.01	12	470	18	<10	30	0.05	<10	<10	34	<10	50	--
KG-117	15	1.66	0.4	<10	500	<0.5	<2	0.50	<0.5	10	87	18	2.91	<10	0.15	30	0.81	304	<1	0.02	27	660	14	<10	33	0.14	<10	<10	51	<10	70	--
KG-118	10	1.76	0.4	<10	470	<0.5	<2	0.58	<0.5	14	87	20	3.04	<10	0.15	30	0.87	479	<1	0.01	28	690	16	<10	43	0.12	<10	<10	53	<10	70	--
KG-119	5	1.78	0.2	<10	300	<0.5	<2	0.22	<0.5	12	77	29	3.51	<10	0.15	20	1.64	599	<1	0.01	27	960	12	<10	162	0.14	<10	<10	45	<10	90	--
KG-120	10	1.38	0.6	20	470	<0.5	<2	1.52	<0.5	12	90	36	3.47	<10	0.21	50	1.22	540	<1	<0.01	35	730	22	<10	121	0.15	<10	<10	36	<10	90	--
KG-121	<5	2.45	0.2	10	530	<0.5	<2	0.47	<0.5	12	70	13	4.09	<10	0.17	30	1.71	518	<1	0.01	21	260	14	<10	40	0.06	<10	<10	38	<10	100	--
KG-122	20	0.97	0.4	480	610	<0.5	<2	1.40	1.5	13	77	36	3.36	<10	0.18	20	0.56	435	4	0.01	45	1060	14	<10	80	<0.01	<10	<10	25	<10	140	--
KG-123	10	0.71	0.4	100	710	<0.5	<2	0.14	<0.5	2	36	<1	1.14	<10	0.19	40	0.17	161	<1	0.01	7	90	24	<10	14	0.01	<10	<10	11	<10	40	--
KG-124	<5	1.56	0.4	30	450	<0.5	<2	0.23	<0.5	7	67	<1	2.28	<10	0.16	20	0.32	212	1	0.01	13	130	14	<10	20	0.07	<10	<10	42	<10	50	--
KG-125	30	0.73	0.6	1220	1160	<0.5	<2	0.62	2.5	2	30	3	1.70	<10	0.40	60	0.16	291	<1	0.01	6	120	28	<10	31	<0.01	<10	<10	8	<10	60	--
KG-126	5	1.32	0.2	40	1170	<0.5	<2	1.04	<0.5	3	34	<1	1.43	10	0.16	60	0.75	161	<1	0.01	3	80	30	<10	27	<0.01	<10	<10	4	<10	90	--
KG-127	<5	1.27	0.4	30	830	<0.5	<2	2.31	<0.5	6	24	4	2.60	10	0.19	40	0.55	345	<1	<0.01	4	640	14	<10	54	<0.01	<10	<10	15	<10	90	--
KG-128	<5	1.19	0.2	20	370	<0.5	<2	0.40	<0.5	7	50	17	2.51	<10	0.17	30	0.47	239	<1	0.02	20	350	8	<10	28	0.07	<10	<10	40	<10	50	--
KG-129	5	1.22	0.2	10	500	<0.5	<2	2.18	<0.5	5	34	10	2.41	10	0.14	50	0.48	279	<1	0.01	11	400	14	<10	50	0.01	<10	<10	22	<10	90	--
KG-130	10	1.00	0.4	220	540	<0.5	<2	2.78	<0.5	6	43	12	2.09	<10	0.21	20	0.43	313	<1	0.01	15	550	10	<10	75	0.04	<10	<10	26	<10	50	--
KG-131	5	1.07	0.4	10	610	<0.5	<2	0.48	<0.5	2	31	<1	1.55	<10	0.28	10	0.31	66	<1	<0.01	3	320	14	<10	45	0.05	<10	<10	8	<10	60	--
KG-132	5	1.03	0.2	40	730	<0.5	<2	0.14	<0.5	2	30	<1	2.19	<10	0.21	20	0.15	68	<1	0.01	2	290	8	<10	12	<0.01	<10	<10	8	<10	70	--
KG-133	<5	0.95	0.2	10	580	<0.5	<2	0.29	<0.5	2	38	<1	1.34	<10	0.20	20	0.17	70	<1	<0.01	4	130	8	<10	32	0.01	<10	<10	11	<10	40	--
KG-134	10	1.15	0.2	10	490	<0.5	<2	0.27	<0.5	3	40	<1	1.92	<10	0.13	10	0.42	116	<1	0.01	4	120	6	<10	26	0.08	<10	<10	13	<10	70	--
KG-135	5	1.32	0.2	<10	670	<0.5	<2	0.26	<0.5	5	39	2	2.16	<10	0.20	10	0.32	146	<1	0.01	10	220	14	<10	23	0.05	<10	<10	28	<10	50	--
KG-136	<5	1.26	0.2	20	520	<0.5	<2	0.23	<0.5	5	50	3	2.22	<10	0.15	10	0.31	116	<1	0.01	9	390	8	<10	17	0.04	<10	<10	29	<10	50	--
KG-137	<5	0.89	0.2	20	540	<0.5	<2	0.16	<0.5	2	31	<1	1.45	<10	0.31	10	0.15	117	<1	0.01	4	240	4	<10	13	0.01	<10	<10	13	<10	30	--
KG-138	10	1.37	0.2	<10	920	<0.5	<2	0.24	<0.5	4	47	1	1.95	<10	0.26	20	0.50	145	<1	0.01	9	410	12	<10	22	0.02	<10	<10	16	<10	60	--
KG-139	5	1.40	0.2	<10	800	<0.5	<2	0.33	<0.5	5	50	<1	2.12	<10	0.19	20	0.32	172	<1	0.01	12	200	6	<10	29	0.08	<10	<10	36	<10	50	--
KG-140	<5	1.23	0.2	<10	610	<0.5	<2	0.30	<0.5	5	61	5	1.84	<10	0.18	20	0.33	137	<1	0.01	11	140	12	<10	26	0.08	<10	<10	30	<10	40	--
KG-141	<5	1.83	0.2	20	760	<0.5	<2	0.27	<0.5	5	50	4	2.16	<10	0.21	30	0.61	197	<1	0.02	12	240	14	<10	27	0.06	<10	<10	33	<10	70	--
KG-142	5	1.36	0.2	30	550	<0.5	<2	0.22	<0.5	4	57	<1	1.76	<10	0.14	20	0.55	197	<1	0.02	10	120	14	<10	23	0.06	<10	<10	28	<10	60	--
KG-143	<5	1.22	0.2	10	530	<0.5	<2	0.17	<0.5	4	45	1	1.74	<10	0.13	20	0.38	139	<1	0.01	9	110	14	<10	16	0.04	<10	<10	24	<10	50	--
KG-144	<5	1.61	0.2	20	710	<0.5	<2	0.12	<0.5	2	43	<1	1.65	<10	0.15	50	0.75	100	<1	0.01	8	70	22	<10	14	0.01	<10	<10	14	<10	80	--
KG-145	5	0.85	0.2	20	300	<0.5	<2	0.14	<0.5	2	56	<1	1.37	<10	0.23	30	0.16	94	<1	0.01	6	120	24	<10	15	0.04	<10	<10	19	<10	40	--
KG-146	<5	1.49	0.2	30	430	<0.5	<2	0.22	<0.5	5	61	<1	2.42	<10	0.24	30	0.32	149	<1	0.02	15	130	24	<10	27	0.06	<10	<10	38	<10	70	--
KG-147	5	1.64	0.2	20	620	<0.5	<2	0.37	<0.5	7	84	11	2.35	<10	0.21	40	0.36	220	<1	0.02	18	600	20	<10	29	0.07	<10	<10	43	<10	80	--
KG-148	15	1.10	0.2	70	370	<0.5	<2	0.20	<0.5	2	60	<1	1.50	<10	0.27	30	0.22	307	<1	0.01	8	290	16	<10	18	0.03	<10	<10	22	<10	70	--
KG-149	10	1.07	0.2	70	490	<0.5	<2	0.43	<0.5	2	63	4	1.52	<10	0.19	30	0.30	89	1	0.01	13	420	22	<10	30	0.04	<10	<10	27	<10	60	--
KG-150	5	1.02	0.2	50	550	<0.5	<2	1.83	1.5	11	67	32	2.71	<10	0.13	20	0.52	568	7	0.01	42	1130	12	<10	123	0.02	<10	<10	30	<10	120	--
N-1 0+00	10	2.10	0.2	<10	290	<0.5	<2	0.17	<0.5	8	55	11	3.85	<10	0.11	10	0.44	194	<1	0.01	20	480	16	<10	17	0.08	<10	<10	63	<10	50	--
N-1 0+20E	5	1.79	0.2	<10	280	<0.5	<2	0.17	<0.5	5	70	4	3.99	<10	0.10	10	0.36	187	<1	0.02	12	490	20	<10	18	0.12	<10	<10	89	<10	40	--
N-1 0+40E	10	2.13	0.2	<10	410	<0.5	<2	0.10	<0.5	9	43	7	3.36	<10	0.18	20	0.36	217	<1	0.01	17	260	16	<10	16	0.04	<10	<10	41	<10	60	

Certified by ..Stewart Buchler...

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR2109400

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

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VANCOUVER. B.C.
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CERT. # : A8516083-007-A
INVOICE # : I8516083
DATE : 20-SEP-95
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: P. GRUNENBERG

Sample description	Au ppb FA+AA	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	
N-1 0+60E	<5	2.21	0.2	<10	250	<0.5	<2	0.11	<0.5	9	54	5	3.66	<10	0.22	10	0.53	265	<1	0.01	18	460	16	<10	12	0.07	<10	<10	49	<10	70	--
N-1 0+20W	<5	1.79	0.2	<10	390	<0.5	<2	0.13	<0.5	5	46	<1	3.12	<10	0.22	10	0.40	222	<1	0.01	12	520	12	<10	16	0.07	<10	<10	55	<10	60	--

Certified by Hartt Bichler

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TR20109A70

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

212 Brooksbank Ave.
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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8516503-001-A
INVOICE # : I8516503
DATE : 26-SEP-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
BB 01	60	0.49	1.2	320	570	<0.5	<2	0.04	<0.5	<1	25	3	2.98	<10	0.46	60	0.04	12	1	0.07	<1	220	44	<10	58	<0.01	<10	<10	4	<10	20	--
BB 02	15	0.40	1.2	70	560	<0.5	<2	0.03	<0.5	<1	45	6	2.81	10	0.59	90	0.02	13	16	0.05	<1	210	54	<10	37	<0.01	10	<10	3	<10	20	--
BB 03	5	0.80	0.2	<10	230	<0.5	<2	0.07	<0.5	3	32	<1	1.74	<10	0.16	50	0.23	98	<1	<0.01	4	140	22	<10	12	<0.01	<10	<10	1	<10	150	--
BB 04	<5	0.91	0.2	10	270	<0.5	<2	0.07	<0.5	1	23	7	0.79	<10	0.37	30	0.06	17	<1	0.01	2	370	24	<10	23	<0.01	<10	<10	5	<10	40	--
BB 05	10	1.49	0.4	60	360	<0.5	<2	0.14	<0.5	3	26	5	3.21	10	0.42	80	0.18	14	2	0.03	2	670	58	<10	25	<0.01	<10	20	10	<10	120	--
BB 06	<5	0.82	0.2	10	320	<0.5	<2	0.13	<0.5	1	53	<1	1.39	<10	0.25	<10	0.08	12	<1	<0.01	1	330	8	<10	16	<0.01	<10	<10	3	<10	70	--
BS 01	<5	2.61	0.2	10	270	<0.5	<2	0.70	<0.5	22	79	48	4.33	10	0.05	20	1.80	1386	<1	0.01	34	640	26	<10	20	0.03	<10	<10	71	<10	80	--
BS 02	5	2.62	0.2	10	200	<0.5	2	0.59	<0.5	20	203	20	4.17	<10	0.03	10	2.32	743	<1	0.01	75	530	16	<10	20	0.03	<10	<10	71	<10	70	--
BS 03	20	3.17	0.2	10	230	<0.5	<2	0.46	<0.5	25	274	27	4.53	<10	0.04	10	2.90	793	<1	0.01	112	530	16	<10	17	0.02	<10	<10	75	<10	70	--
BS 04	55	1.69	0.4	10	490	<0.5	<2	0.28	<0.5	9	57	21	2.67	<10	0.08	20	0.87	271	<1	<0.01	23	510	34	<10	12	0.02	<10	<10	35	<10	70	--
BS 05	10	1.70	0.4	20	350	<0.5	<2	0.22	<0.5	7	75	17	2.42	<10	0.09	20	0.93	191	<1	0.01	24	460	36	<10	12	0.02	<10	<10	35	<10	80	--
BS 06	15	1.80	0.4	20	320	<0.5	<2	0.22	<0.5	7	63	16	2.73	<10	0.08	20	0.91	216	<1	0.01	20	460	26	<10	12	0.04	<10	<10	38	<10	70	--
BS 07	10	2.01	0.4	10	370	<0.5	<2	0.39	<0.5	7	72	14	2.77	<10	0.08	20	0.77	209	<1	0.01	19	460	18	<10	24	0.07	<10	<10	53	<10	60	--
BS 08	5	2.00	0.2	10	470	<0.5	<2	0.44	<0.5	12	82	20	3.07	<10	0.10	20	0.85	369	<1	0.01	23	610	22	<10	27	0.07	<10	<10	53	<10	70	--
BS 09	15	2.04	0.4	10	490	<0.5	<2	0.50	<0.5	12	74	16	2.86	10	0.11	20	0.71	545	<1	0.02	23	500	22	<10	32	0.09	<10	<10	58	<10	70	--
BS 10	<5	1.99	0.2	10	410	<0.5	<2	0.37	<0.5	8	92	10	2.70	<10	0.11	20	0.91	271	<1	0.01	17	520	8	<10	23	0.08	<10	<10	50	<10	60	--
BS 11	10	2.12	0.2	10	490	<0.5	<2	0.47	<0.5	8	85	9	2.72	<10	0.12	20	0.90	375	<1	0.01	16	390	12	<10	30	0.07	<10	<10	54	<10	70	--
BS 12	5	2.17	0.2	10	540	<0.5	<2	0.41	<0.5	9	76	7	3.02	<10	0.10	20	0.93	323	<1	0.01	16	440	14	<10	28	0.07	<10	<10	56	<10	70	--
FG 225	5	2.87	0.2	10	370	<0.5	<2	0.41	<0.5	16	81	24	4.14	10	0.15	20	1.69	571	<1	0.01	21	570	10	<10	20	0.06	<10	<10	75	<10	90	--
FG 226	<5	2.43	0.4	20	320	<0.5	<2	0.80	<0.5	17	118	32	3.61	<10	0.06	20	1.51	764	<1	0.01	36	560	26	<10	21	0.05	<10	<10	62	<10	90	--
FG 227	10	2.51	0.2	10	250	<0.5	<2	0.52	<0.5	18	211	28	3.67	<10	0.05	10	2.10	504	<1	0.01	74	500	16	<10	16	0.05	<10	<10	65	<10	70	--
FG 228	<5	2.29	0.2	10	300	<0.5	<2	1.02	<0.5	18	160	23	3.76	<10	0.06	10	1.62	979	<1	0.01	50	630	18	<10	27	0.04	<10	<10	62	<10	80	--
FG 229	10	2.20	0.2	10	260	<0.5	<2	0.67	<0.5	16	125	15	3.51	<10	0.07	10	1.61	546	<1	0.01	41	850	18	<10	22	0.03	<10	<10	60	<10	80	--
FG 230	5	2.29	0.2	20	280	<0.5	<2	0.40	<0.5	15	141	16	3.51	<10	0.11	20	1.57	471	<1	0.01	36	750	16	<10	19	0.06	<10	<10	59	<10	90	--
FG 231	<5	2.41	0.4	10	300	<0.5	<2	0.33	<0.5	13	113	13	3.43	<10	0.10	20	1.49	397	<1	0.01	35	520	16	<10	18	0.04	<10	<10	63	<10	80	--
FG 232	1350	2.06	0.2	10	370	<0.5	<2	0.43	<0.5	13	108	19	3.21	<10	0.10	20	1.27	341	<1	0.01	33	670	12	<10	24	0.06	<10	<10	57	<10	70	--
FG 233	5	2.86	0.2	20	230	<0.5	<2	0.70	<0.5	24	230	21	4.40	<10	0.06	10	2.49	878	<1	0.01	79	570	12	<10	23	0.04	<10	<10	76	<10	70	--
FG 234	20	2.53	0.4	10	300	<0.5	<2	0.55	<0.5	19	147	24	3.93	<10	0.09	10	2.00	659	<1	0.01	47	610	14	<10	22	0.03	<10	<10	62	<10	80	--
FG 235	15	2.37	0.4	20	290	<0.5	<2	0.30	<0.5	14	104	16	3.73	<10	0.08	10	1.69	354	<1	0.01	35	600	16	<10	12	0.06	<10	<10	57	<10	80	--
FG 236	15	2.05	0.4	10	300	<0.5	<2	0.31	<0.5	12	117	12	3.13	<10	0.08	10	1.28	333	<1	0.01	31	560	12	<10	17	0.06	<10	<10	53	<10	70	--

Certified by .....

Chemex Labs Ltd.

·Analytical Chemists ·Geochemists ·Registered Assayers

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A9516[illegible]2-001-A
INVOICE # : I9516[illegible]2
DATE : 8-OCT-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Au ppb FA+AA	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	
LC 58	<5	1.21	0.2	10	320	<0.5	<2	0.26	<0.5	4	79	4	2.01	<10	0.15	20	0.41	158	2	0.01	16	460	12	<10	23	0.04	<10	<10	30	<10	60	--
LC 59	<5	1.45	0.2	10	420	<0.5	<2	0.31	<0.5	6	85	18	2.32	10	0.19	30	0.44	200	2	0.01	22	580	14	<10	29	0.05	<10	<10	36	<10	90	--
LC 60	<5	1.70	0.8	10	470	<0.5	<2	0.26	<0.5	6	90	15	2.39	<10	0.12	20	0.50	194	4	0.01	33	440	14	<10	24	0.04	<10	<10	41	<10	90	--
LC 61	<5	2.15	1.4	20	370	<0.5	2	0.14	<0.5	13	98	30	3.37	<10	0.07	20	0.84	297	6	0.01	64	420	32	<10	21	0.05	<10	<10	56	<10	120	--
LC 62	<5	1.85	0.4	10	320	<0.5	<2	0.30	<0.5	8	87	20	2.96	10	0.08	20	0.75	229	4	0.01	37	740	14	<10	24	0.07	<10	<10	60	<10	100	--
LC 63	<5	1.96	0.2	<10	300	<0.5	<2	0.28	<0.5	8	77	18	2.84	10	0.08	20	0.74	208	1	0.01	27	480	10	<10	22	0.09	<10	<10	63	<10	70	--
LC 64	<5	2.34	0.8	20	310	<0.5	<2	0.17	<0.5	6	97	17	3.19	10	0.10	20	0.80	159	6	0.01	38	350	20	<10	21	0.07	<10	<10	61	<10	90	--
LC 65	<5	2.04	0.2	20	370	<0.5	<2	0.15	<0.5	6	104	19	2.75	10	0.10	30	0.86	169	5	0.01	35	290	18	<10	21	0.08	<10	<10	59	<10	90	--
LC 66	<5	1.70	0.2	20	270	<0.5	<2	0.13	<0.5	5	103	11	2.39	10	0.10	30	0.74	241	5	0.01	26	420	18	<10	16	0.05	<10	<10	39	<10	110	--
LC 67	10	2.01	0.4	30	370	<0.5	<2	0.24	1.0	7	114	25	2.77	10	0.12	40	1.03	222	5	0.01	53	730	28	<10	21	0.05	<10	<10	52	<10	130	--
LC 68	<5	1.89	0.4	<10	560	<0.5	<2	0.79	0.5	11	75	26	2.83	10	0.14	20	0.73	521	3	0.02	33	860	12	<10	52	0.09	<10	<10	57	<10	110	--
LC 69	<5	0.98	0.6	10	500	<0.5	<2	0.29	<0.5	2	66	<1	1.37	<10	0.22	20	0.17	259	<1	<0.01	7	280	16	<10	33	0.06	<10	<10	11	<10	40	--

Certified by: [signature]

BUSINESS FORMS LIMITED VANCOUVER TRJ0180HD SYSTEMS

Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS

TO : ARBOR RESOURCES INC.

1500 - 675 W. HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

** CERT. # : A8517989-001-A
INVOICE # : I8517989
DATE : 6-NOV-85
P.O. # : NONE
DAWSON

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 :
ATTN: ART TROUP & PERRY GRUNENBERG

Sample description	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		
SB-001	1.92	0.2	<10	340	<0.5	<2	0.49	<0.5	9	36	26	3.21	10	0.14	20	0.79	371	<1	0.01	24	750	12	<10	27	0.04	<10	<10	47	<10	70	--	--
SB-002	1.50	0.2	<10	360	<0.5	<2	0.46	<0.5	9	33	21	2.61	10	0.08	20	0.58	250	<1	0.01	23	650	10	<10	28	0.07	<10	<10	45	<10	50	--	--
SB-003	1.81	0.2	<10	340	<0.5	<2	0.38	<0.5	9	43	21	2.91	10	0.08	20	0.85	260	<1	0.01	24	660	6	<10	23	0.07	<10	<10	49	<10	60	--	--
SB-004	1.85	0.2	<10	330	<0.5	<2	0.33	<0.5	9	40	19	3.01	10	0.08	20	0.72	286	<1	0.01	23	410	4	<10	22	0.08	<10	<10	53	<10	60	--	--
SB-005	1.79	0.2	<10	380	<0.5	<2	0.49	<0.5	10	41	22	3.06	10	0.08	20	0.62	309	<1	0.02	24	570	4	<10	33	0.10	<10	<10	60	<10	50	--	--
SB-006	1.68	0.2	<10	370	<0.5	<2	0.47	<0.5	10	35	17	2.69	10	0.06	20	0.63	290	<1	0.01	21	550	6	<10	29	0.09	<10	<10	51	<10	50	--	--
SB-007	1.89	0.2	<10	370	<0.5	<2	0.50	<0.5	11	36	20	3.05	10	0.07	20	0.61	326	<1	0.02	23	550	4	<10	35	0.10	<10	<10	64	<10	60	--	--
SB-008	1.86	0.2	<10	310	<0.5	<2	0.47	<0.5	10	38	10	3.01	10	0.10	20	0.57	309	<1	0.01	21	680	2	<10	30	0.11	<10	<10	65	<10	60	--	--
SB-009	1.64	0.2	<10	460	<0.5	<2	0.45	<0.5	8	39	17	2.73	10	0.22	30	0.73	216	<1	<0.01	21	690	12	<10	25	0.09	<10	<10	40	<10	70	--	--
SB-010	1.91	0.2	<10	390	<0.5	2	0.56	<0.5	10	53	23	3.59	10	0.17	30	1.10	215	<1	<0.01	20	1120	8	<10	27	0.16	<10	<10	46	<10	90	--	--
SB-011	1.42	0.2	<10	510	<0.5	<2	0.39	<0.5	5	26	9	2.20	10	0.11	20	0.43	160	<1	<0.01	16	710	10	<10	23	0.04	<10	<10	37	<10	50	--	--
SB-012	1.75	0.2	<10	540	<0.5	<2	0.57	<0.5	9	29	14	2.50	10	0.13	20	0.56	310	<1	0.01	20	750	6	<10	32	0.06	<10	<10	43	<10	50	--	--
SB-013	1.84	0.2	<10	560	<0.5	<2	0.51	<0.5	9	34	22	2.57	10	0.11	30	0.72	308	<1	0.01	22	660	8	<10	28	0.05	<10	<10	40	<10	50	--	--
SB-014	1.65	0.2	<10	670	<0.5	<2	0.40	<0.5	8	28	18	2.05	10	0.15	40	0.63	190	<1	<0.01	17	890	14	<10	20	0.02	<10	<10	26	<10	60	--	--
SB-015	1.93	0.2	<10	320	<0.5	2	0.39	<0.5	7	40	13	2.73	10	0.12	50	1.31	239	<1	<0.01	18	1170	6	<10	18	0.04	<10	<10	25	<10	90	--	--
SB-016	2.99	0.4	<10	350	<0.5	<2	0.29	<0.5	12	58	9	3.70	10	0.02	30	1.26	283	<1	<0.01	20	410	6	<10	14	0.04	<10	<10	63	<10	70	--	--
SB-017	2.33	0.2	<10	370	<0.5	<2	0.40	<0.5	10	43	16	3.11	10	0.03	20	0.84	289	<1	0.01	22	350	6	<10	21	0.08	<10	<10	58	<10	50	--	--
SB-018	2.45	0.2	<10	370	<0.5	<2	0.58	<0.5	13	42	29	3.60	10	0.04	20	1.04	365	<1	0.01	26	500	<2	<10	25	0.11	<10	<10	65	<10	60	--	--
SB-019	1.97	0.4	<10	390	<0.5	<2	0.61	<0.5	13	39	26	3.22	10	0.04	20	0.88	411	<1	0.02	28	530	4	<10	31	0.09	<10	<10	61	<10	60	--	--
SB-020	1.57	0.2	<10	330	<0.5	<2	0.56	<0.5	10	31	19	2.69	10	0.04	20	0.62	298	<1	0.01	20	640	2	<10	30	0.08	<10	<10	49	<10	40	--	--
SB-021	2.56	0.4	<10	390	<0.5	<2	1.13	<0.5	16	55	36	3.53	10	0.02	20	1.40	635	<1	0.01	31	590	2	<10	38	0.06	<10	<10	74	<10	50	--	--
SB-022	2.53	0.4	<10	190	<0.5	<2	0.51	<0.5	20	91	31	4.05	10	0.02	10	1.89	527	<1	0.01	43	690	16	<10	19	0.05	<10	<10	76	<10	80	--	--
SB-023	2.51	0.6	<10	180	<0.5	<2	0.70	<0.5	14	87	31	3.88	10	0.02	20	1.73	427	<1	0.01	40	690	26	<10	21	0.04	<10	<10	69	<10	90	--	--
SB-024	2.80	0.4	<10	330	<0.5	<2	0.42	<0.5	15	105	33	3.85	10	0.04	20	1.68	516	<1	0.01	45	410	24	<10	21	0.06	<10	<10	70	<10	130	--	--
SB-025	1.88	0.2	<10	360	<0.5	<2	0.32	<0.5	8	35	7	2.63	10	0.03	10	0.83	280	<1	<0.01	16	230	2	<10	17	0.08	<10	<10	50	<10	50	--	--
SB-026	2.78	0.2	<10	450	<0.5	<2	0.30	<0.5	13	51	24	4.06	10	0.05	20	1.34	330	<1	<0.01	21	430	8	<10	17	0.06	<10	<10	73	<10	80	--	--
SB-027	2.66	0.4	<10	420	<0.5	<2	0.21	<0.5	12	50	22	3.93	10	0.08	20	0.89	310	<1	<0.01	24	310	4	<10	18	0.07	<10	<10	65	<10	70	--	--
SB-028	2.41	0.2	<10	310	<0.5	<2	0.18	<0.5	10	43	15	3.31	10	0.04	10	0.58	312	<1	0.01	19	200	2	<10	15	0.04	<10	<10	62	<10	50	--	--
SB-029	1.69	0.4	20	500	<0.5	<2	0.21	<0.5	9	30	18	3.36	10	0.13	30	0.37	498	<1	<0.01	17	220	12	<10	16	0.02	<10	<10	39	<10	50	--	--
SB-030	2.26	0.2	<10	350	<0.5	<2	0.18	<0.5	10	48	24	3.38	10	0.04	20	0.78	334	<1	<0.01	21	160	4	<10	16	0.06	<10	<10	57	<10	60	--	--
SB-031	2.42	0.2	<10	270	<0.5	<2	0.19	<0.5	10	45	20	3.55	10	0.04	20	0.77	245	<1	<0.01	21	290	6	<10	15	0.07	<10	<10	59	<10	60	--	--
SB-032	1.76	0.2	<10	310	<0.5	<2	0.34	<0.5	9	36	20	2.72	10	0.05	20	0.63	245	<1	0.01	19	250	4	<10	24	0.11	<10	<10	54	<10	50	--	--
SB-033	1.95	0.2	<10	420	<0.5	<2	0.46	<0.5	10	38	24	2.95	10	0.05	20	0.67	333	<1	0.01	22	450	4	<10	29	0.10	<10	<10	54	<10	60	--	--
SB-034	2.26	0.4	<10	480	<0.5	<2	0.71	<0.5	11	43	23	3.18	10	0.06	30	0.72	424	<1	0.01	27	690	4	<10	47	0.09	<10	<10	57	<10	70	-	-
SB-035	2.09	0.2	<10	420	<0.5	<2	0.61	<0.5	11	38	20	2.92	10	0.06	20	0.73	357	<1	0.01	21	500	4	<10	38	0.09	<10	<10	54	<10	60	--	-

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CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8517783-001-A
INVOICE # : I8517783
DATE : 31-OCT-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBURG

Sample description	Prep code	Au ppb FA+AA					
NV01	214	<5	--	--	--	--	--
NV02	214	<5	--	--	--	--	--
NV03	214	<5	--	--	--	--	--
NV04	214	45	--	--	--	--	--
NV05	214	5	--	--	--	--	--
NV06	214	10	--	--	--	--	--
NV07	214	<5	--	--	--	--	--
NV08	214	2600	--	--	--	--	--
NV09	214	25	--	--	--	--	--
NV10	214	15	--	--	--	--	--
NV11	214	<5	--	--	--	--	--
NV12	214	<5	--	--	--	--	--
NV13	214	20	--	--	--	--	--
FG 225	214	10	--	--	--	--	--
FG 226	214	10	--	--	--	--	--
FG 227	214	<5	--	--	--	--	--
FG 228	214	5	--	--	--	--	--
FG 229	214	<5	--	--	--	--	--
FG 230	214	10	--	--	--	--	--
FG 231	214	15	--	--	--	--	--
FG 232	214	5	--	--	--	--	--
FG 233	214	<5	--	--	--	--	--
FG 234	214	5	--	--	--	--	--
FG 235	214	<5	--	--	--	--	--
FG 236	214	5	--	--	--	--	--

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ARBOR RESOURCES INC.
1500 - 675 W. HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

INVOICE # : I8519275
DATE : 6-JAN-86
P.O. # : NONE
DAWSON

ATTN: PERRY GRUNENBERG

Sample description	Prep code	Au ppb FA+AA					
AB-1	214	<5	--	--	--	--	--
AB-2	214	<5	--	--	--	--	--

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CERTIFICATE OF ASSAY

TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8513726-001-A
INVOICE # : I8513726
DATE : 21-JUL-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	Ag oz/T	Au oz/T				
83351	207	0.03	0.002	--	--	--	--
83352	207	0.03	<0.002	--	--	--	--
83353	207	<0.01	<0.002	--	--	--	--
83354	207	<0.01	<0.002	--	--	--	--
83355	207	<0.01	<0.002	--	--	--	--
83356	207	<0.01	<0.002	--	--	--	--
83357	207	<0.01	<0.002	--	--	--	--
83358	207	0.08	<0.002	--	--	--	--
83359	207	0.01	0.008	--	--	--	--
83360	207	0.01	<0.002	--	--	--	--
83361	207	0.01	<0.002	--	--	--	--
83362	207	<0.01	<0.002	--	--	--	--
83363	207	0.03	<0.002	--	--	--	--
83364	207	0.03	0.004	--	--	--	--
83365	207	<0.01	0.002	--	--	--	--
83366	207	<0.01	<0.002	--	--	--	--
83367	207	<0.01	<0.002	--	--	--	--
83368	207	<0.01	<0.002	--	--	--	--

B. Stewart

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1500 - 675 WEST HASTINGS ST.
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V6B 1N2

CERT. # : A8514201-001-A
INVOICE # : I8514201
DATE : 28-JUL-85
P.O. # : NONE
DAWSON

ATTN: S. EDWARDS & R.W. HUGHES

Sample description	Prep code	Cu %	Pb %	Zn %	Ag FA oz/T	Au FA oz/T	
3151 D	207	0.01	0.44	0.11	1.08	0.005	--
3152 D	207	<0.01	0.16	0.24	0.16	<0.003	--
3153 D	207	--	--	--	--	<0.003	--
3154 D	207	--	--	--	--	0.003	--
3155 D	207	--	--	--	--	<0.003	--
3156 D	207	--	--	--	--	<0.003	--
3157 D	207	--	--	--	--	0.003	--
3158 D	207	--	--	--	--	0.003	--
3159 D	207	--	--	--	--	0.052	--
3160 D	207	--	--	--	--	0.003	--
3161 D	207	--	--	--	--	0.010	--
3162 D	207	--	<0.01	<0.01	0.02	<0.003	--
3163 D	207	--	<0.01	0.01	0.04	<0.003	--
3164 D	207	<0.01	<0.01	--	0.04	<0.003	--
3165 D	207	--	--	--	--	<0.003	--
3166 D	207	--	--	--	0.02	<0.003	--
3167 D	207	--	--	--	0.03	<0.003	--
3168 D	207	--	--	--	--	<0.003	--
3169 D	207	--	--	--	0.02	<0.003	--
3170 D	207	--	<0.01	0.02	0.03	<0.003	--
3171 D	207	--	--	--	--	<0.003	--
3172 D	207	--	--	--	--	<0.003	--

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itative multi element ICP analysis

a-Regia digestion of 0.5 gm of
ollowed by ICP analysis. Since this
is incomplete for many minerals,
orted for Al, Sb, Ba, Be, Ca, Cr,
K, Na, Sr, Tl, Ti, W and V can
nsidered as semi-quantitative.

TO : MAR

150
VAN
V6B

DWARDS & R. W. HUGHES

Sample description	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm		
3151 D	52	<0.01	<10	<10	<1	<10	980	--	--
3152 D	79	<0.01	<10	<10	15	<10	2210	--	--

SYSTEMS BUSINESS FORMS LIMITED VANCOUVER TN2U10A10

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TO : MARK MANAGEMENT LIMITED

1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8514222-001-A
INVOICE # : I8514222
DATE : 29-JUL-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	Ag oz/T RUSH FA	Au oz/T RUSH FA				
83369 C	236	0.16	<0.003	--	--	--	--
83370 C	236	0.08	<0.003	--	--	--	--
83371 C	236	0.02	<0.003	--	--	--	--
83372 C	236	0.02	<0.003	--	--	--	--
83373 C	236	0.06	<0.003	--	--	--	--
83374 C	236	0.28	<0.003	--	--	--	--
83375 C	236	0.02	<0.003	--	--	--	--
83376 C	236	0.14	<0.003	--	--	--	--

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1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8514488-001-A
INVOICE # : I8514488
DATE : 12-AUG-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	Ag oz/T	Au oz/T				
83377 C	207	0.01	<0.002	--	--	--	--
83378 C	207	0.15	0.002	--	--	--	--
83379 C	207	0.03	0.038	--	--	--	--
83380 C	207	0.01	0.002	--	--	--	--
83381 C	207	0.01	<0.002	--	--	--	--

B. Swaites

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V6B 1N2

CERT. # : A8514488-001-A
INVOICE # : I8514488
DATE : 12-AUG-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm			
83377 C	207	--	--	--	--	--	--
83378 C	207	238	443	680	--	--	--
83379 C	207	--	--	--	--	--	--
83380 C	207	--	--	--	--	--	--
83381 C	207	18	28	158	--	--	--

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CERT. # : A8514800-001-A
INVOICE # : I8514800
DATE : 18-AUG-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	Ag g/t RUSH FA	Au g/t RUSH FA				
83382C	236	<0.3	0.07	--	--	--	--
83383C	236	<0.3	<0.07	--	--	--	--
83384C	236	<0.3	<0.07	--	--	--	--
83385C	236	<0.3	<0.07	--	--	--	--
83386C	236	1.0	<0.07	--	--	--	--
83387C	236	1.7	<0.07	--	--	--	--
83388C	236	0.8	<0.07	--	--	--	--
83389C	236	1.7	<0.07	--	--	--	--
83390C	236	2.5	<0.07	--	--	--	--
83391C	236	7.5	0.82	--	--	--	--
83392C	236	7.3	1.85	--	--	--	--
83393C	236	13.3	0.41	--	--	--	--
83394C	236	2.8	0.62	--	--	--	--
83395C	236	10.5	0.48	--	--	--	--
83396C	236	1.3	0.27	--	--	--	--
83397C	236	3.3	0.34	--	--	--	--
83398C	236	12.3	1.30	--	--	--	--
83399C	236	26.0	0.07	--	--	--	--

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V6B 1N2

CERT. # : A8514989-001-A
INVOICE # : I8514989
DATE : 21-AUG-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	Ag oz/T	Au oz/T				
83400 C	207	<0.01	<0.002	--	--	--	--
13702 D	207	<0.01	<0.002	--	--	--	--
13703 D	207	<0.01	<0.002	--	--	--	--
13704 D	207	<0.01	<0.002	--	--	--	--
13705 D	207	<0.01	0.004	--	--	--	--
13706 D	207	<0.01	<0.002	--	--	--	--
13707 D	207	<0.01	<0.002	--	--	--	--
13708 D	207	0.07	0.010	--	--	--	--
13709 D	207	<0.01	<0.002	--	--	--	--
13710 D	207	<0.01	<0.002	--	--	--	--
13711 D	207	<0.01	<0.002	--	--	--	--
13712 D	207	0.03	<0.002	--	--	--	--
13713 D	207	<0.01	<0.002	--	--	--	--
13714 D	207	0.01	<0.002	--	--	--	--
13715 D	207	0.01	<0.002	--	--	--	--
13716 D	207	0.01	<0.002	--	--	--	--
13717 D	207	<0.01	0.004	--	--	--	--
13718 D	207	<0.01	<0.002	--	--	--	--
13719 D	207	<0.01	<0.002	--	--	--	--
13720 D	207	<0.01	<0.002	--	--	--	--
13721 D	207	<0.01	<0.002	--	--	--	--
13722 D	207	0.03	<0.002	--	--	--	--
13723 D	207	0.01	<0.002	--	--	--	--
13724 D	207	0.08	<0.002	--	--	--	--
13725 D	207	0.01	0.002	--	--	--	--
13726 D	207	0.01	0.002	--	--	--	--
13727 D	207	<0.01	<0.002	--	--	--	--
13728 D	207	<0.01	<0.002	--	--	--	--
13729 D	207	<0.01	0.002	--	--	--	--
13730 D	207	<0.01	<0.002	--	--	--	--
13731 D	207	0.01	<0.002	--	--	--	--
13732 D	207	0.01	<0.002	--	--	--	--
13733 D	207	0.01	<0.002	--	--	--	--
13734 D	207	<0.01	<0.002	--	--	--	--
13735 D	207	0.01	<0.002	--	--	--	--
13736 D	207	<0.01	<0.002	--	--	--	--
13737 D	207	0.01	0.004	--	--	--	--
13738 D	207	0.01	<0.002	--	--	--	--
13739 D	207	0.03	<0.002	--	--	--	--
13740 D	207	0.01	<0.002	--	--	--	--

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VANCOUVER, B.C.
V6B 1N2

CERT. # : A8514989-001-A
INVOICE # : I8514989
DATE : 21-AUG-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	AS ppm	Hg ppb	Sb ppm			
83400 C	207	7	70	0.8	--	--	--
13702 D	207	17	70	1.2	--	--	--
13703 D	207	6	50	0.4	--	--	--
13704 D	207	5	50	0.4	--	--	--
13705 D	207	77	120	0.8	--	--	--
13706 D	207	110	90	6.6	--	--	--
13707 D	207	75	80	4.4	--	--	--
13708 D	207	2900	130	4.0	--	--	--
13709 D	207	140	50	2.8	--	--	--
13710 D	207	33	60	1.4	--	--	--
13711 D	207	5	20	1.0	--	--	--
13712 D	207	61	80	5.4	--	--	--
13713 D	207	35	60	0.4	--	--	--
13714 D	207	38	70	1.0	--	--	--
13715 D	207	170	40	6.6	--	--	--
13716 D	207	1100	40	10.8	--	--	--
13717 D	207	310	30	1.8	--	--	--
13718 D	207	32	150	3.0	--	--	--
13719 D	207	14	120	1.4	--	--	--
13720 D	207	53	180	0.8	--	--	--
13721 D	207	4	50	0.8	--	--	--
13722 D	207	110	70	1.8	--	--	--
13723 D	207	4	30	0.9	--	--	--
13724 D	207	1000	60	1.8	--	--	--
13725 D	207	67	40	2.2	--	--	--
13726 D	207	16	40	0.8	--	--	--
13727 D	207	27	100	0.9	--	--	--
13728 D	207	38	40	0.6	--	--	--
13729 D	207	33	100	0.6	--	--	--
13730 D	207	41	60	1.4	--	--	--
13731 D	207	71	60	2.0	--	--	--
13732 D	207	100	80	1.2	--	--	--
13733 D	207	770	50	7.0	--	--	--
13734 D	207	16	40	1.0	--	--	--
13735 D	207	190	40	3.6	--	--	--
13736 D	207	17	40	1.2	--	--	--
13737 D	207	320	40	3.2	--	--	--
13738 D	207	110	40	2.4	--	--	--
13739 D	207	1400	40	14.2	--	--	--
13740 D	207	720	30	3.6	--	--	--

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1500 - 675 WEST HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

CERT. # : A8514800-001-A
INVOICE # : I8514800
DATE : 18-AUG-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	Cu ppm	Zn ppm				
83382C	236	--	--	--	--	--	--
83383C	236	--	33	--	--	--	--
83384C	236	--	--	--	--	--	--
83385C	236	--	--	--	--	--	--
83386C	236	--	--	--	--	--	--
83387C	236	--	--	--	--	--	--
83388C	236	--	--	--	--	--	--
83389C	236	--	--	--	--	--	--
83390C	236	--	--	--	--	--	--
83391C	236	--	--	--	--	--	--
83392C	236	--	--	--	--	--	--
83393C	236	--	--	--	--	--	--
83394C	236	--	--	--	--	--	--
83395C	236	--	--	--	--	--	--
83396C	236	--	--	--	--	--	--
83397C	236	--	--	--	--	--	--
83398C	236	--	--	--	--	--	--
83399C	236	8500	--	--	--	--	--

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TO : SILVER SCEPTRE RESOURCES LTD.
C/O MARK MANAGEMENT
701 - 675 W. HASTINGS ST.
VANCOUVER, B.C.
V6B 1N2

ATTN: ART TROUP

CERT. # : A8514999-001-A
INVOICE # : I8514999
DATE : 20-AUG-85
P.O. # : NONE
DAWSON

Sample description	Prep code	Ag FA oz/T	Au FA oz/T				
50369 C	207	0.01	0.004	--	--	--	--
50370 C	207	0.01	<0.003	--	--	--	--
50371 C	207	0.01	<0.003	--	--	--	--

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CERT. # : A8515105-001-A
INVOICE # : I8515105
DATE : 22-AUG-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	Ag oz/T	Au oz/T				
13741 D	207	0.11	0.006	--	--	--	--
13742 D	207	0.03	<0.002	--	--	--	--
13743 D	207	0.03	<0.002	--	--	--	--
13744 D	207	0.01	<0.002	--	--	--	--
13745 D	207	0.08	0.036	--	--	--	--
13746 D	207	0.02	<0.002	--	--	--	--
13747 D	207	<0.01	<0.002	--	--	--	--
13748 D	207	<0.01	<0.002	--	--	--	--
13749 D	207	0.01	<0.002	--	--	--	--
13750 D	207	0.03	<0.002	--	--	--	--
95401 C	207	<0.01	<0.002	--	--	--	--
95402 C	207	0.05	<0.002	--	--	--	--
95403 C	207	0.01	<0.002	--	--	--	--
95404 C	207	<0.01	<0.002	--	--	--	--
95405 C	207	0.04	<0.002	--	--	--	--
95406 C	207	<0.01	<0.002	--	--	--	--
95407 C	207	<0.01	<0.002	--	--	--	--
95408 C	207	0.06	<0.002	--	--	--	--

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V6B 1N2

CERT. # : A8515105-001-A
INVOICE # : I8515105
DATE : 22-AUG-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	AS ppm	Hg ppb	Sb ppm			
13741 D	207	38	90	4.4	--	--	--
13742 D	207	16	50	1.6	--	--	--
13743 D	207	100	50	1.3	--	--	--
13744 D	207	9	70	0.3	--	--	--
13745 D	207	290	60	0.8	--	--	--
13746 D	207	25	60	0.3	--	--	--
13747 D	207	22	60	0.5	--	--	--
13748 D	207	15	190	0.8	--	--	--
13749 D	207	7	50	0.1	--	--	--
13750 D	207	5	90	0.2	--	--	--
95401 C	207	39	110	0.3	--	--	--
95402 C	207	6	260	0.1	--	--	--
95403 C	207	100	50	0.2	--	--	--
95404 C	207	55	40	0.4	--	--	--
95405 C	207	55	80	0.4	--	--	--
95406 C	207	190	40	0.9	--	--	--
95407 C	207	6	40	0.1	--	--	--
95408 C	207	10	160	0.6	--	--	--

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VANCOUVER, B.C.
V6B 1N2

CC: MARK MANAGEMENT, DAWSON CITY

CERT. # : A8515297-001-A
INVOICE # : I8515297
DATE : 28-AUG-85
P.O. # : NONE

Sample description	Prep code	Ag oz/T	Au oz/T				
95409 85-CL-32	207	0.03	<0.002	--	--	--	--
95410 85-CL-33	207	0.02	<0.002	--	--	--	--
95411 85-CL-34	207	1.80	0.012	--	--	--	--
95412 85-CL-35	207	0.04	0.004	--	--	--	--
95413 85-CL-36	207	0.03	0.004	--	--	--	--

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VANCOUVER, B.C.
V6B 1N2

CC: MARK MANAGEMENT, DAWSON CITY

CERT. # : A8515297-001-A
INVOICE # : I8515297
DATE : 28-AUG-85
P.O. # : NONE

Sample description	Prep code	AS ppm	Hg ppb	Sb ppm			
95409 85-CL-32	207	4	160	0.7	--	--	--
95410 85-CL-33	207	17	110	1.0	--	--	--
95411 85-CL-34	207	470	60	1.6	--	--	--
95412 85-CL-35	207	20	70	1.8	--	--	--
95413 85-CL-36	207	410	60	7.4	--	--	--

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CERT. # : A8515430-001-A
INVOICE # : I8515430
DATE : 29-AUG-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	Ag oz/T	Au oz/T				
95414C	207	0.02	0.002	--	--	--	--
95415C	207	0.01	<0.002	--	--	--	--
95416C	207	1.02	0.096	--	--	--	--
95417C	207	0.10	0.012	--	--	--	--
95418C	207	0.09	0.008	--	--	--	--
95419C	207	<0.01	<0.002	--	--	--	--
95420C	207	2.19	0.018	--	--	--	--
95421C	207	0.08	0.004	--	--	--	--
95422C	207	0.32	0.024	--	--	--	--
95423C	207	0.60	0.022	--	--	--	--
95424C	207	0.08	0.010	--	--	--	--
95425C	207	0.02	<0.002	--	--	--	--
95426C	207	0.01	0.002	--	--	--	--
95427C	207	0.03	<0.002	--	--	--	--
95428C	207	0.01	<0.002	--	--	--	--
95429C	207	0.02	<0.002	--	--	--	--
95430C	207	0.08	<0.002	--	--	--	--

B. Kwaite

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CERT. # : A8515430-001-A
INVOICE # : I8515430
DATE : 29-AUG-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	Cu ppm					
95414C	207	5000	--	--	--	--	--
95415C	207	--	--	--	--	--	--
95416C	207	--	--	--	--	--	--
95417C	207	--	--	--	--	--	--
95418C	207	--	--	--	--	--	--
95419C	207	--	--	--	--	--	--
95420C	207	--	--	--	--	--	--
95421C	207	--	--	--	--	--	--
95422C	207	--	--	--	--	--	--
95423C	207	--	--	--	--	--	--
95424C	207	--	--	--	--	--	--
95425C	207	--	--	--	--	--	--
95426C	207	--	--	--	--	--	--
95427C	207	--	--	--	--	--	--
95428C	207	--	--	--	--	--	--
95429C	207	--	--	--	--	--	--
95430C	207	--	--	--	--	--	--

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1500 - 675 WEST HASTINGS ST.
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CERT. # : A8515940-001-A
INVOICE # : I8515940
DATE : 12-SEP-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	Cu %	Ag oz/T	Au oz/T			
95431 C	207	--	0.17	<0.002	--	--	--
95432 C	207	--	0.06	<0.002	--	--	--
95433 C	207	--	<0.01	<0.002	--	--	--
95434 C	207	4.50	0.45	<0.002	--	--	--
95435 C	207	--	0.03	<0.002	--	--	--
95436 C	207	--	0.03	<0.002	--	--	--

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CERT. # : A8516082-001-A
INVOICE # : I8516082
DATE : 13-SEP-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: P. GRUNENBERG

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	AS ppm	Hg ppb	Sb ppm
65951 E	207	5	22	22	14	--	--
95437 C	207	--	34	225	--	--	--
95438 C	207	--	--	--	--	--	--
95439 C	207	43	9	44	--	--	--
95440 C	207	11	6	34	--	--	--
95441 C	207	41	35	165	--	--	--
95442 C	207	--	--	--	--	--	--
95443 C	207	--	--	--	--	--	--
95444 C	207	--	--	--	10	50	0.7
95445 C	207	--	--	--	610	40	7.0
95446 C	207	--	--	--	55	30	1.9
95447 C	207	--	--	--	39	30	0.6
95448 C	207	--	--	--	--	--	--
95449 C	207	--	--	--	--	--	--
95450 C	207	--	--	--	--	--	--

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CERT. # : A8516082-001-A
INVOICE # : I8516082
DATE : 13-SEP-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: P. GRUNENBERG

Sample description	Prep code	Ag oz/T	Au oz/T				
65951 E	207	0.01	<0.002	--	--	--	--
95437 C	207	0.08	0.002	--	--	--	--
95438 C	207	0.05	<0.002	--	--	--	--
95439 C	207	<0.01	<0.002	--	--	--	--
95440 C	207	<0.01	0.002	--	--	--	--
95441 C	207	0.03	0.002	--	--	--	--
95442 C	207	0.02	0.002	--	--	--	--
95443 C	207	0.01	<0.002	--	--	--	--
95444 C	207	<0.01	<0.002	--	--	--	--
95445 C	207	0.01	0.002	--	--	--	--
95446 C	207	<0.01	<0.002	--	--	--	--
95447 C	207	0.01	0.002	--	--	--	--
95448 C	207	0.11	0.012	--	--	--	--
95449 C	207	0.03	0.002	--	--	--	--
95450 C	207	0.01	0.004	--	--	--	--

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CERT. # : A8516504-001-A
INVOICE # : I8516504
DATE : 23-SEP-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	Ag oz/T RUSH FA	Au oz/T RUSH FA				
65952E	236	0.01	<0.002	--	--	--	--
65953E	236	0.01	<0.002	--	--	--	--
65954E	236	0.05	0.002	--	--	--	--
65955E	236	0.02	0.002	--	--	--	--
65956E	236	0.02	0.002	--	--	--	--
65957E	236	0.03	<0.002	--	--	--	--
65958E	236	1.36	0.002	--	--	--	--
65959E	236	0.04	<0.002	--	--	--	--

Anne Christie
Registered Assayer, Province of British Columbia

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VANCOUVER, B.C.
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CERT. # : A8516504-001-A
INVOICE # : I8516504
DATE : 25-SEP-85
P.O. # : NONE
DAWSON

ATTN: ART TROUP CC: PERRY GRUNENBERG

Sample description	Prep code	Cu ppm	AS ppm				
65952E	236	--	25	--	--	--	--
65953E	236	--	--	--	--	--	--
65954E	236	--	--	--	--	--	--
65955E	236	--	--	--	--	--	--
65956E	236	--	--	--	--	--	--
65957E	236	--	--	--	--	--	--
65958E	236	88	--	--	--	--	--
65959E	236	53	--	--	--	--	--

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APPENDIX II

THIN SECTION ANALYSIS

Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph. D. Geologist

P.O. BOX 39
8887 NASH STREET
FORT LANGLEY, B.C.
VOX 1JO

PHONE (604) 888-1323

Invoice 5269

Report for: Mark Management Ltd.,
1500 - 675 West Hastings Street,
Vancouver, B.C.,
V6B 1N2.

July 26, 1985

Samples: 3151 and 3152. Two sections of each sample were made.

Summary:

Both samples are quartz-pyrite veins; there is an indistinct banding to the pyrite distribution. No gold was seen in any of the sections. In this type of system one would expect any gold to be included in the pyrite but this is not proven.

Small amounts of sphalerite and galena are associated with the pyrite, usually occuring adjacent to the pyrite.

In both samples calcite is intergrown with the quartz and also occurs in very thin veinlets. It is a later mineralization.

Sample 3152 contains albite intergrown with the quartz and chlorite is associated with the calcite, otherwise the samples are very similar.

A. L. Littlejohn, M.Sc.

3152: QUARTZ - PYRITE VEIN.

This sample consists mainly of an intergrowth of quartz and pyrite. Small amounts of albite are also intergrown with the quartz, along with chlorite and sericite. Minor late calcite mineralization has occured. Minerals are:

quartz	70%
pyrite	9
calcite	7
albite	5
sericite	4
chlorite	4
sphalerite	1
galena	minor
rutile	trace
chalcopyrite	trace

Quartz forms subrounded interlocking grains 0.1 to 0.5m in size, averaging about 0.3mm. It is intergrown with tabular or irregularly shaped albite grains 0.3 to 1.5mm in length. These often occur in streaky aggregates or clusters of a few grains. Sericite forms very thin flakes which are disseminated between the quartz and albite throughout the rock. There is a vague alignment to the sericite and sometimes there are small streaky concentrations.

Pyrite forms cubic grains 0.1 to 1.0mm in size, most are greater than 0.5mm in size. These occur intergrown with or included in the quartz and often are concentrated in aggregates and clusters of several grains. Vague banding is apparent. The pyrite is free of inclusions apart from a rare small pyrrhotite. In places the pyrite is fractured and altering to goethite.

Sphalerite forms rounded grains 0.3 to 1.0mm in size which occur intergrown with the quartz and usually adjacent to the pyrite. Sometimes small galena grains occur adjacent to the sphalerite. Fine grains of both sphalerite and galena are scattered amongst the quartz.

Calcite forms irregularly shaped grains 0.2 to 1.0mm in size which occur intergrown with the quartz, often in small patches. Within some patches there are clusters of ragged rutile grains about 0.1mm in size. There are also a few very thin stringers of calcite. The calcite is sometimes associated with chlorite which forms broad ragged flakes 0.3mm in length occuring adjacent to the calcite patches or disseminated amongst the quartz, sometimes in sericitic streaks. It is not a product of sericite alteration.

Rare chalcopyrite grains less than 0.1mm in size are scattered between the quartz grains.

3151: QUARTZ - PYRITE VEIN.

This sample consists mainly of an intergrowth of quartz and pyrite. The pyrite may be concentrated in thin streaky bands or small patches. Minerals are:

quartz	85%
pyrite	9
calcite	4
sericite	2
sphalerite	minor
galena	trace
rutile	trace

Quartz forms subrounded interlocking grains 0.2 to 0.8mm in size, averaging about 0.5mm. Disseminated between these are thin sericite flakes up to 0.2mm in size. These sometimes coarsen to muscovite flakes up to 0.8mm in length which tend to occur in thin indistinct streaks between the quartz grains and around pyrite. Calcite is also intergrown with the quartz, forming shapeless grain up 0.1 to 1.0mm in size scattered about the rock. Thin, discontinuous veinlets of calcite occur.

Pyrite forms cubic grains 0.1 to 1.0mm in size which are intergrown withthe quartz and tend to occur in small clusters or streaks. Smaller grains are included within the quartz. Sometimes calcite grains contain pyrite. Seritic streaks often occur close the the pyritic concentrations and in places there are traces of fine rutile intergrown with it. The pyrite is free of inclusions apart from a rare very small chalcopyrite or quartz grain.

Galena and sphalerite are minor sulphides which usually occur around the pyrite grains, but not intergrown with each other. They form shapeless grains 0.2 to 0.5m in size occuring intergrown with the quartz, adjacent to the pyrite or occasionally in isolation.

Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph. D. Geologist

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PHONE (604) 888-1323

Report for: P. Grunenberg,
Mark Management Ltd.,
1500 - 675 West Hastings,
VANCOUVER, B.C., V6B 1N2

Invoice 5609
January 1986

Samples: G-1, G-2, G-3

Summary:

The samples are from a variably deformed, metamorphic terrain. Original textures are moderately to strongly destroyed during recrystallization. All samples probably represent original medium to coarse grained plutonic rocks of granodiorite to possibly quartz diorite composition. Difficulty in determination of original composition arises because of the muscovite content of the metamorphic rocks. How much of this represents original K-feldspar, and how much was introduced during metamorphism?

G-1: moderately abundant relic patches of quartz and plagioclase, with lesser K-feldspar and biotite; moderate foliation in groundmass.

G-2: minor relic plagioclase, strongly foliated groundmass shows slight compositional banding of K-feldspar vs. plagioclase.

G-3: possibly different rock type, quartz diorite? because of absence of K-feldspar (however muscovite content is very high). Relic grains of plagioclase and quartz, prominently foliated groundmass (defined by muscovite orientation). The presence of more apatite and zircon than in samples G-1 and G-2 also suggests a different origin.

Charge to: Dawson Syndicate Expl.

John G Payne

John G. Payne

G-1 Cataclastically Deformed Granodiorite

The sample contains moderately abundant relic coarser grained patches dominated by quartz and plagioclase, with lesser K-feldspar and biotite, in a variable, well foliated, finer grained groundmass of plagioclase, quartz, muscovite, and K-feldspar. Textures suggest partial granulation of a medium to coarse grained granodiorite, with recrystallization of the deformed material.

relic patches	
quartz	10-12%
plagioclase	8-10
K-feldspar	3- 4
biotite	1½-2
hornblende	trace
opaque	minor
recrystallized groundmass	
plagioclase	25-30
quartz	25-30
muscovite	8-10
K-feldspar	5- 7
opaque-sericite	1½ 1½
hornblende	trace

Quartz forms relic patches up to 2.5 mm in size of medium to coarse grains and aggregates. Many of these show slightly to moderately wavy extinction. These grade into finer grained, probably recrystallized patches of quartz, either alone or associated with patches of plagioclase. Many grains contain moderately abundant rutile needles averaging 0.03-0.05 mm in length in random orientation.

Plagioclase forms medium to locally coarse grains and aggregates of anhedral shape and metamorphic texture. Composition (by Michel-Levy method) is albite (An_{8-10}). Many grains show slight to locally moderate alteration to extremely fine to very fine grained, stubby flakes of muscovite/sericite.

K-feldspar forms anhedral grains up to 1.5 mm in size (averaging 0.3-0.7 mm). Some contain patches with abundant dusty opaque, and others contain replacement? patches of extremely fine grained sericite-opaque (as in the groundmass).

Biotite forms ragged flakes averaging 0.5-0.8 mm in length, with a few up to 1.5 mm long. Some flakes are relatively fresh, with pleochroism from light or pale brown to medium or light brown. Others are strongly replaced by muscovite which forms semi-pseudomorphic aggregates, in part associated with extremely fine grained patches of Ti-oxide.

Hornblende forms one irregular, elongate grain 1 mm in length. It has a medium brownish green color and weak to no pleochroism.

Opaque forms a few rounded grains from 0.15-0.3 mm in size.

The groundmass of the sample is very variable in grain size, ranging from 0.03-0.15 mm in size. It is dominated by plagioclase and quartz, with much less K-feldspar. Muscovite forms subhedral flakes averaging 0.05-0.2 mm in length; locally these are concentrated in trains and clusters oriented parallel to foliation.

Opaque-sericite forms extremely fine grained intergrowths in patches averaging less than 0.05 mm in size. These are partly concentrated in trains parallel to foliation, but more commonly show no preferred orientation. They may be secondary after hornblende. One grain 0.06 mm across may be hornblende; it is light green in color with moderate relief.

G-2 Granodiorite Gneiss

The rock is a well foliated, slightly compositionally banded gneiss, with a few relic plagioclase megacrysts in a foliated groundmass of plagioclase, quartz, muscovite, K-feldspar, and minor biotite. The plagioclase megacrysts are similar to those of sample G-1, and it is possible that this rock represents a much more strongly sheared and recrystallized equivalent of G-1.

megacrysts	
plagioclase	1½-2%
groundmass	
plagioclase	35-40
quartz	35-40
muscovite	10-12
K-feldspar	8-10
biotite	1
opaque	0.3
opaque-sericite	1
Ti-oxide	minor
barite	0.1
zircon	trace

Plagioclase forms a few elongate megacrysts up to 1 mm in length and more abundant anhedral, equant megacrysts averaging 0.3-0.5 mm in size. These characteristically are slightly altered to equant, extremely fine grained flakes of sericite/muscovite (as in G-1).

The megacrysts are set in a well foliated groundmass averaging 0.05-0.3 mm in grain size, and dominated by plagioclase and quartz with lesser K-feldspar. Grains are irregular in outline, and generally unoriented. K-feldspar is moderately concentrated towards one end of the section (as is well indicated in the stained offcut block).

Muscovite and lesser biotite are concentrated in elongate aggregates oriented parallel to foliation; grain size averages 0.3-0.8 mm in length for muscovite and 0.2-0.5 mm for biotite. A few muscovite flakes are up to 1.5 mm in length. Biotite is pleochric from light brown to medium greenish brown. Locally it isaltered (during surface weathering) to extremely fine grained patches of limonite.

Opaque, possibly pyrite, forms subhedral, equant to rectangular grains from 0.05-0.25 mm in size.

Opaque also forms extremely fine grained, anhedral aggregates associated with extremely fine grained patches of sericite; these patches average less than 0.05 mm across. They are similar to patches of opaque-sericite in sample G-1.

Ti-oxide forms a few patches up to 0.3 mm across of extremely fine grained aggregates.

Barite forms irregular, in part interstitial grains averaging 0.1-0.2 mm in size, commonly associated with quartz.

Zircon forms one subhedral prismatic grain 0.02 mm in length.

G-3 Cataclastically Deformed Quartz Diorite

The rock contains relic grains and patches of plagioclase and quartz in a finer grained groundmass of these minerals and abundant muscovite and minor biotite. The groundmass is recrystallized, and a prominent foliation is defined by parallel orientation of micas in mica-rich seams.

relic grains	
plagioclase	5- 7
quartz	4- 5
groundmass	
plagioclase	30-35
quartz	30-35
muscovite	17-20
biotite	2- 3
opaque/Ti-oxide	1
opaque-sericite	minor
apatite	0.1
zircon	minor
limonite	0.2

Plagioclase forms anhedral relic grains averaging 0.5-0.7 mm in size. They are identified by the presence of minor to moderately abundant secondary muscovite/sericite flakes averaging 0.02-0.03 mm in length (as in G-1, G-2).

Quartz forms a few patches up to 1.7 mm across of medium to coarse grains and aggregates, commonly with slightly wavy extinction, and in part with inclusions of unoriented rutile needles (as in G-1).

The groundmass is a fine to locally medium grained aggregate of plagioclase and quartz with seams and lenses dominated by micas. Muscovite forms flakes averaging 0.3-0.6 mm in length. Biotite forms elongate to equant flakes up to 0.8 mm in size. Pleochroism is from light to medium/dark brown. A few grains contain lenses parallel to foliation of limonite/sericite.

Ti-oxide/opaque forms irregular patches of extremely fine grains, in part associated with micas. A few patches up to 0.1 mm across consist of intergrowths of opaque and sericite of extremely fine grain size.

Apatite forms scattered anhedral grains averaging 0.07-0.15 mm in size.

Zircon forms clusters of extremely fine, anhedral grains averaging 0.01-0.02 mm in size, in part associated with Ti-oxide/opaque, and also forms a few subhedral to euhedral prismatic to equant grains averaging 0.03-0.07 mm long.

Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph. D. Geologist

P.O. BOX 39
8887 NASH STREET
FORT LANGLEY, B.C.
VOX 1JO

PHONE (604) 888-1323

Report for: P. Grunenberg,
Mark Management Ltd.,
(for Arbor Resources)
1500 - 675 West Hastings,
VANCOUVER, B.C., V6B 1N2

Invoice 5610
January 1986

Sample: R-1

Slightly metamorphosed and recrystallized rhyolite tuff with phenocrysts of K-feldspar and minor quartz, and fragments of quartz-rich aggregates and hypabyssal rhyolite, in an extremely fine grained groundmass dominated by K-feldspar and minor sericite. Groundmass is slightly recrystallized in patches up to 1.5 mm across; larger patches consist of K-feldspar, smaller patches of K-feldspar and/or quartz.

John G Payne

John G. Payne

R-1 Rhyolite Tuff (slightly recrystallized, metamorphosed)

The sample contains phenocrysts of K-feldspar and minor quartz, and fragments of quartz aggregates and hypabyssal rhyolite in a groundmass dominated by extremely fine grained K-feldspar and lesser sericite, with recrystallized? patches of K-feldspar and of quartz. K-feldspar (originally sanidine) is recrystallized to microcline.

phenocrysts	
K-feldspar	5- 7%
quartz	1- 2
fragments	
quartz-rich	10-12
rhyolite	1- 1½
groundmass	
K-feldspar	65-70
sericite/muscovite	4- 5
biotite	minor
opaque/Ti-oxide	0.2
recrystallized patches	
K-feldspar	3- 4
quartz	2- 3

K-feldspar forms subhedral to euhedral equant to prismatic grains and clusters of a few grains averaging 0.2-0.7 mm in size. A few contain minor inclusions up to 0.1 mm across of plagioclase.

Quartz forms a few rounded phenocrysts from 0.7-1 mm in average size. These commonly are partly rimmed by very fine grained groundmass quartz.

The rock contains abundant fragments up to a few mm in length of very fine to medium grained quartz aggregates. Coarser grains show slightly wavy extinction. These probably represent fragments of quartz-rich, metamorphosed plutonic rocks of the basement sequence.

One large fragment consists of an intergrowth of very fine to fine grained quartz and lesser K-feldspar, with minor muscovite and biotite; it probably is a hypabyssal rhyolite, and may be genetically related to the rhyolite tuff.

The groundmass is dominated by extremely fine grained (0.003-0.01 mm) K-feldspar with disseminated sericite flakes averaging 0.02-0.05 mm in length. Sericite is concentrated moderately to strongly in irregular patches averaging less than 1 mm in size.

Biotite forms scattered flakes up to 0.1 mm in size in the groundmass; pleochroism of biotite is from light to medium brown, and is obscured by moderate to high opaque content along biotite cleavage planes.

Ti-oxide/opaque forms extremely fine grained (0.003-0.01 mm) disseminations and clusters scattered through the groundmass.

The rock contains patches up to 1.5 mm in size of recrystallized groundmass dominated by irregular, interlocking aggregates of K-feldspar. Some patches and single grains consist of very fine grained quartz surrounded by extremely fine grained K-feldspar groundmass; the origin of these quartz-rich patches is unclear, but the most probable origin is that they represent recrystallized, quartz-rich segregations from the groundmass.

139° 30'

139° 00'

64° 00'

55'

DAWSON

YUKON RIVER

KLONDIKE RIVER

SNAKE

FINIT

WOOD GULCH

FOSTER GULCH

SNAKE

HUNKER

MARX BROTHERS

GROUCHO CHICO HARPO ZEPPO

LAUREL HARDY

SHARON

EXAMINER GULCH

CRAZY

CALIFORNIA GULCH

GO

1 FOR THE MONEY 2 FOR THE SHOW 3 TO GET READY

CLANCY

MOON CREEK

PAULA

BIRDBRIN GULCH

WET GULCH

NIAN

BEAR CREEK

MOON

EHYOU

HERPY GULCH

ALPHA

4 ABOVE PUP

TIMSORK GULCH

SEVENTY SEVEN PUP

CRIPPLE CREEK

QUIGLEY GULCH

SOURDOUGH GULCH

BETSY

HUNKER CREEK

DAWSON

"83" CLAIMS

BONANZA

FOURTYNINE GULCH

MOSQUITO GULCH

ZIP

BEAR CREEK

PENIBE

FISH

LAST CHANCE CREEK

HESTER CREEK

INDEPENDENCE CREEK

DAWSON

WILLIAM

BONANZA CREEK

QUEEN GULCH

"98" CLAIMS

PLINC

ADAMS CREEK

GALENA GULCH

HOMESTAKE GULCH

ELDORADO CREEK

BONANZA CREEK

IRISH GULCH

FRENCH GULCH

HAWK

NUGGET GULCH

KH

CHIEF GULCH

WHITEMILE CREEK

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DAWSON SYNDICATE (1983) EXPLORATION
LIMITED PARTNERSHIP

DAWSON M.D., Y.T. NTS 115-O-14 & 116-B-3

CLAIM HOLDINGS

1000 0 1000 3000 5000 FEET SCALE 1 : 31,680

BY: S.E. / n.kc., r.w.r.
DATE: OCT. 16, 1985

FIGURE 2

CLAIM BOUNDARY

● MINERAL OCCURANCE, SEE BELOW

B - BRONSON, QUARTZ VEINING, GALENA, PYRITE

C - VIRGIN, JEAN; QUARTZ VEINLETS, PYRITE, GALENA, SILVER

D - GORDON; QUARTZ STRINGERS, MALACHITE, AZURITE, PYRITE CHALCOPYRITE, GALENA

E - BREMNER; ALTERATION VEINLETS, CHALCEDONY, MERCURY FLOURITE, BARIUM

F - UNEXPECTED; PORPHYRY, FLOURITE, TOPAZ, URANIUM

G - TRILBY; QUARTZ CARBONATE VEINLETS, PYRITE, TRACES OF GOLD AND SILVER

LEGEND:

LATE CRETACEOUS TO EARLY TERTIARY

1 ANDESITE grey to brown weathering intrusive / Extrusive

2 QUARTZ FELDSPAR RHYOLITE PORPHYRY light pink to orange

TRIASSIC OR OLDER

3 GRANODIORITE foliated, equigranular

4 METAGRANITIC ROCKS
a) QUARTZ-FELDSPAR-BIOTITE SCHIST blocky weathering fine to medium grained
b) FELDSPAR-QUARTZ-SCHIST blocky weathering light grey to pinkish grey

5 MUSCOVITE, QUARTZ, FELDSPAR SCHIST buff weathering.

6 SERICITE-QUARTZ, minor CHLORITE SCHIST silvery grey to light grey weathering

7 QUARTZ-CHLORITE SCHIST, light to medium green and buff weathering, commonly with quartz porphyroblasts.

8 QUARTZ FELDSPAR PORPHYRY, light coloured (to white) with quartz porphyroblasts to 30 %

9 CARBONACEOUS ROCKS (a) graphitic chlorite and/or sericite schist (b) graphitic marble (c) graphitic greenstone.

10 SERPENTINITE, massive, dark green

11 MARBLE, white, coarsely crystalline

- GEOLOGICAL BOUNDARY, LOCATION KNOWN, APPROXIMATE AND ESTIMATED
- FAULT LOCATION
- DYKE
- SCHISTOSITY PLANE WITH INDICATED DIP
- FOLD AXIS TREND (ANTICLINE/ SYNCLINE) WITH PLUNGE INDICATED
- JOINT PLANE WITH INDICATED DIP
- BEDDING PLANE WITH DIP INDICATED, TOP UNKNOWN.

q - QUARTZ VEINS OR PODS GREATER THAN 30 cm WIDE

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DAWSON SYNDICATE 1983 EXPLORATION
LIMITED PARTNERSHIP

DAWSON PROJECT

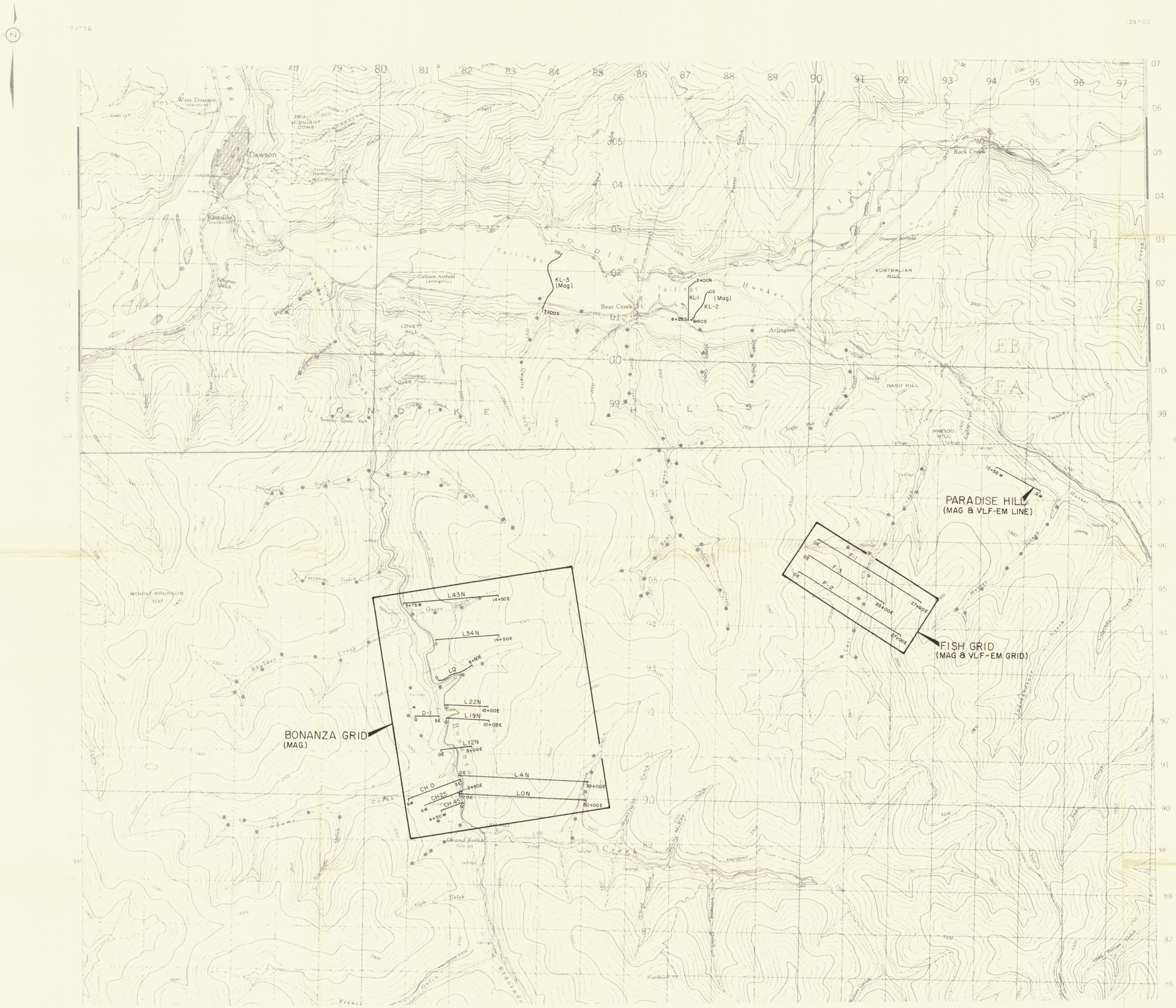
DAWSON M.D. Y.T. NTS 115-O-14

PROPERTY GEOLOGY

0 1000 3000 m 1: 50000

DATE: FEB. 3, 1986

BY: P.G./ r.w.r. FIG. 4



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DAWSON SYNDICATE (1983) EXPLORATION LTD. PARTNERSHIP

DAWSON AREA

DAWSON M.D.-Y.T. NTS:116-B-3,115-O-14

GROUND GEOPHYSICAL SURVEY LINE LOCATION MAP

(VLF-EM & MAGNETOMETER)

1000 0 1000 2000 SCALE 1:50000

DATE OCT., 1985

BY P.G. / r.w.r.

FIGURE 5

MAGNETOMETER PROFILE SCALE
57950
57900
57850
57800
L 43 N
15+00E
MOSQUITO GULCH
DITCH
5+75W
00

MAGNETOMETER PROFILE SCALE
58000
57900
57800
00
L 34 N
14+50E

MAGNETOMETER PROFILE SCALE
57700
57600
57550
00
LQ
8+50E LQ

MAG PROFILE SCALE
57900
57850
57775
00
LD 1
5+00E

MAG PROFILE SCALE
57800
57700
00
L 22 N
10+00E
L 19 N

MAG PROFILE SCALE
57950
57850
00
L 12 N
5+00E

MAG PROFILE SCALE
57850
57800
9+00W
LCH-0S
57850
57800
8+50W
LCH-2S
57850
57800
4+50W
LCH 4S

57800
57700
00
L 4 N
30+00 E
L 0 N
30+00E

'83' CLAIMS
'98' CLAIMS
SYNDICATE CLAIMS
'98' CLAIMS
SYNDICATE CLAIMS
'98' CLAIMS
FILLER 1
FILLER 2
98-1
98-1 PLUS
98-3
98-3 PLUS
98-2

N

LEGEND:

ROLLING MEAN AVERAGING OVER 5 STATIONS

TOTAL FIELD STRENGTH MAGNETOMETER PROFILE

INSTRUMENT: GEOMETRICS PROTON MAGNETOMETER

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DAWSON SYNDICATE 1983 EXPLORATION
LIMITED PARTNERSHIP

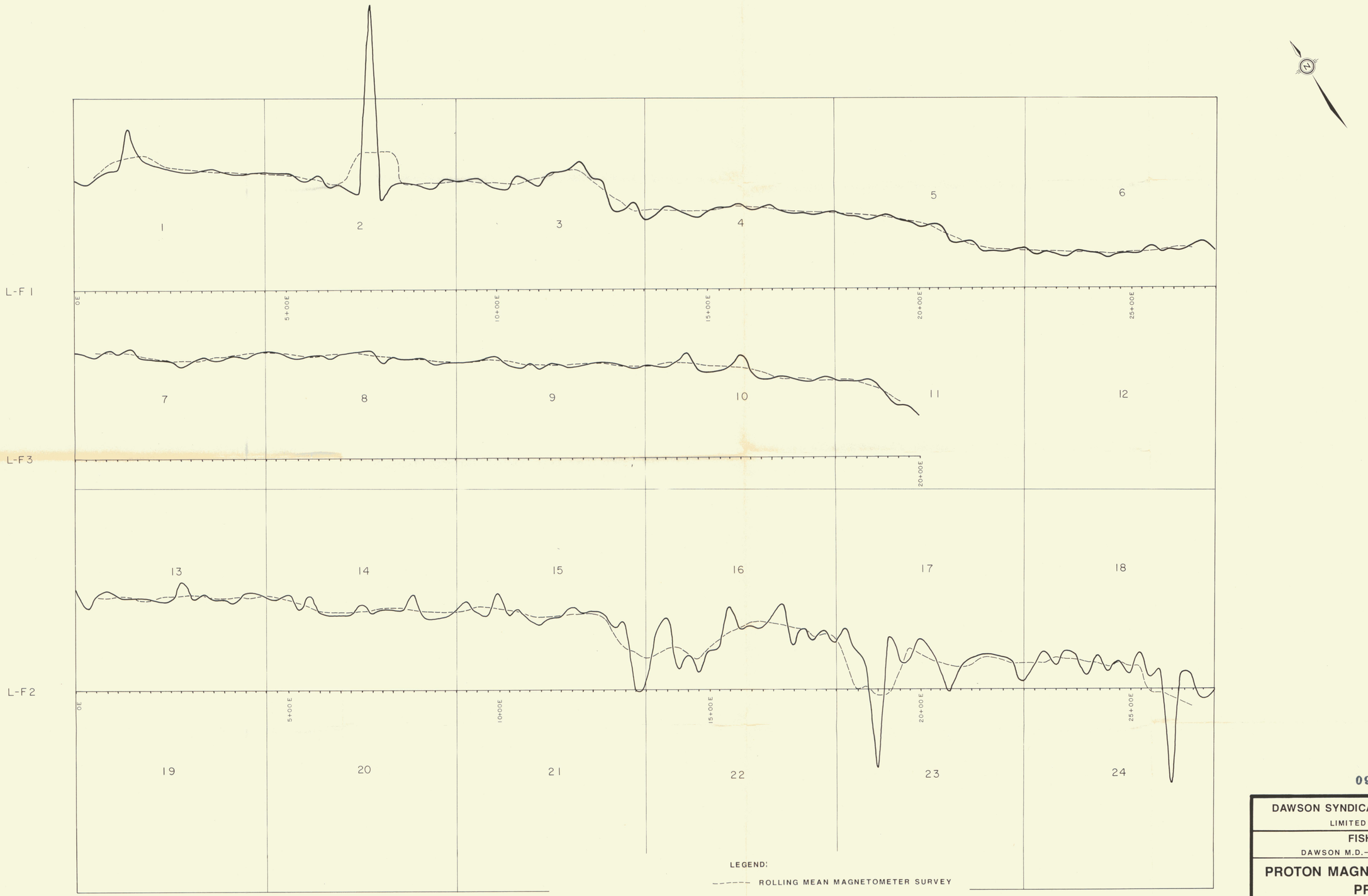
SYNDICATE, '98' & '83' CLAIMS
DAWSON M.D. - Y.T. NTS: 115-O-14

PROTON MAGNETOMETER SURVEY PROFILES

0 100 200 300 400 500 m
SCALE 1:5,000

DATE: DEC., 1985
BY: P.G./r.w.r.

FIGURE: 6



LEGEND:

------ ROLLING MEAN MAGNETOMETER SURVEY

TOTAL FIELD STRENGTH MAGNETOMETER PROFILE

INSTRUMENT: GEOMETRICS PROTON MAGNETOMETER

091807

DAWSON SYNDICATE 1983 EXPLORATION
LIMITED PARTNERSHIP

FISH CLAIMS
DAWSON M.D.-Y.T. NTS: 116-B-3

PROTON MAGNETOMETER SURVEY PROFILES

0 100 200 300 400 500 m
SCALE 1:5,000

DATE: DEC., 1985

BY: P.G./r.w.r.

FIGURE: 7

DAWSON 149

MAGNETOMETER PROFILE SCALE (GAMMAS)

59000

58000

57000

10+00W

DAWSON 141

DITCH

DITCH

5+00 W

BETSY 12

CLIFF TOP (WHITE CHANNEL)

METAL OBJECTS

00

BETSY CLAIM POST Nº.2
YA 80519/17

TOTAL FIELD STRENGTH MAGNETOMETER PROFILE

VLF-EM PROFILE SCALE

+40%

30 20 10 0 -10 -20 -30

-40%

10+00W

IN-PHASE PROFILE

QUADRATURE PROFILE

5+00 W

00

INSET MAP
VLF-EM SURVEY

INSTRUMENT: GEOMETRICS PROTON MAGNETOMETER

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DAWSON SYNDICATE 1983 EXPLORATION

LIMITED PARTNERSHIP

DAWSON & BETSY CLAIM

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

PROTON MAGNETOMETER PROFILES & VLF-EM PROFILES

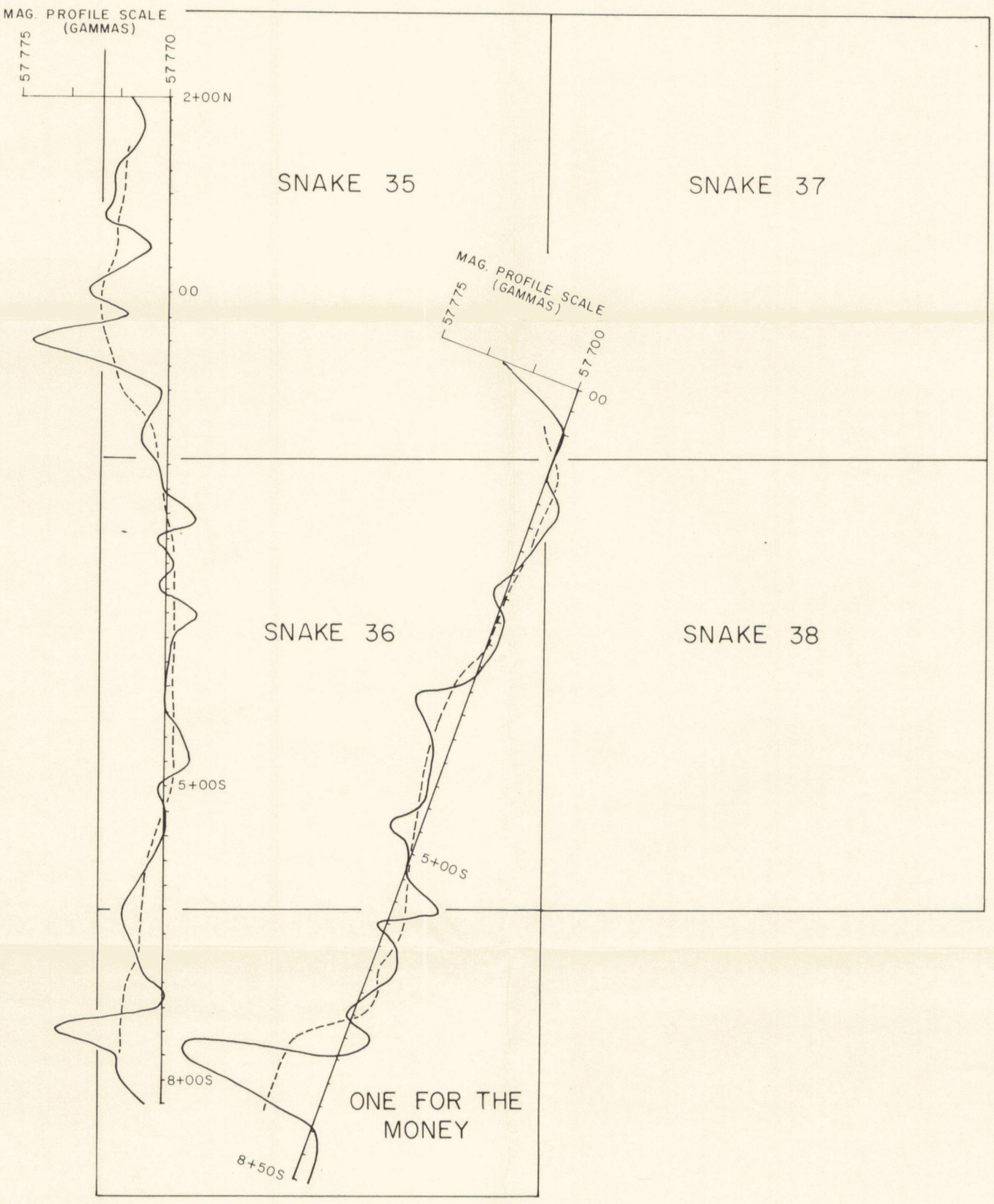
0 100 200 300 400 500 m

SCALE 1:5,000

DATE: DEC., 1985

BY: P.G./r.w.r.

FIGURE: 8



LEGEND:

_____ ROLLING MEAN AVERAGING OVER 5 STATIONS

~~~~~ TOTAL FIELD STRENGTH MAGNETOMETER PROFILE

INSTRUMENT: GEOMETRICS PROTON MAGNETOMETER

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DAWSON SYNDICATE 1983 EXPLORATION
LIMITED PARTNERSHIP

SNAKE & ONE FOR THE MONEY CLAIMS

DAWSON M.D.-Y.T. NTS: 116-B-3

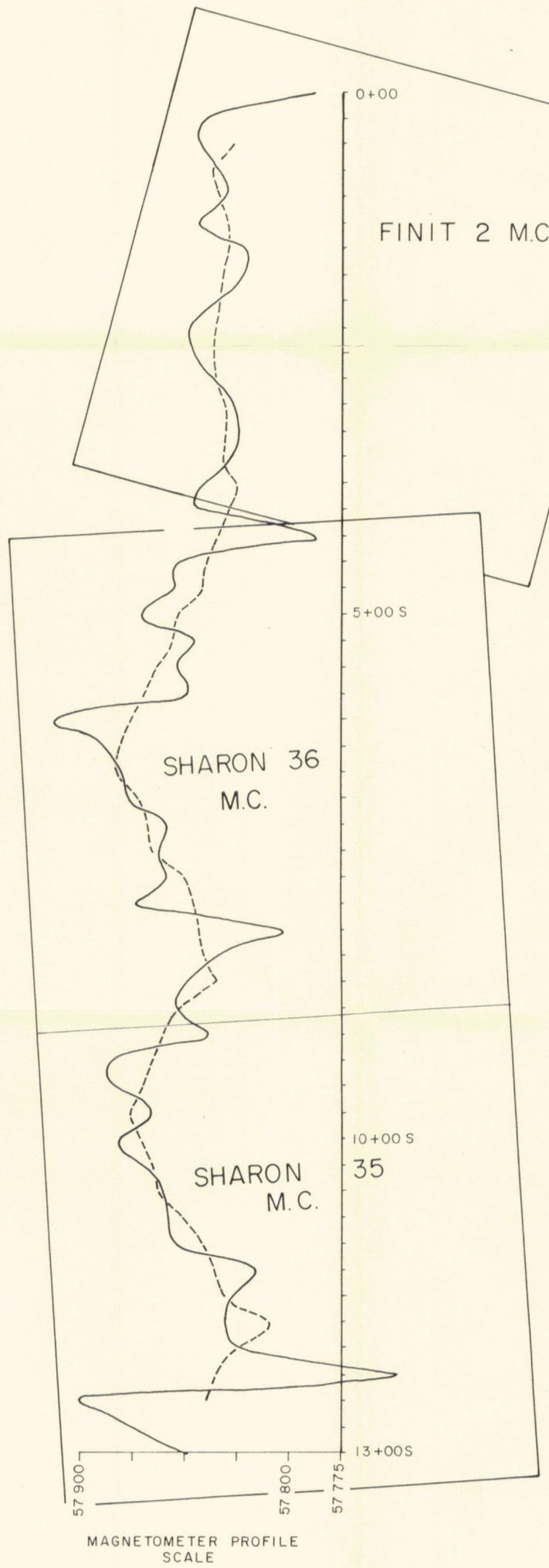
PROTON MAGNETOMETER SURVEY PROFILES

0 100 200 300 400 500m

SCALE 1:5,000

DATE: DEC., 1985

BY: P.G./r.w.r. FIGURE: 9
~~~~~



LEGEND:

--------- ROLLING MEAN AVERAGING OVER 5 STATIONS

——— TOTAL FIELD STRENGTH MAGNETOMETER PROFILE

INSTRUMENT: GEOMETRICS PROTON MAGNETOMETER

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DAWSON SYNDICATE 1983 EXPLORATION

LIMITED PARTNERSHIP

FINIT & SHARON CLAIMS

DAWSON M.D., Y.T. NTS: 116-B-3

PROTON MAGNETOMETER SURVEY PROFILES

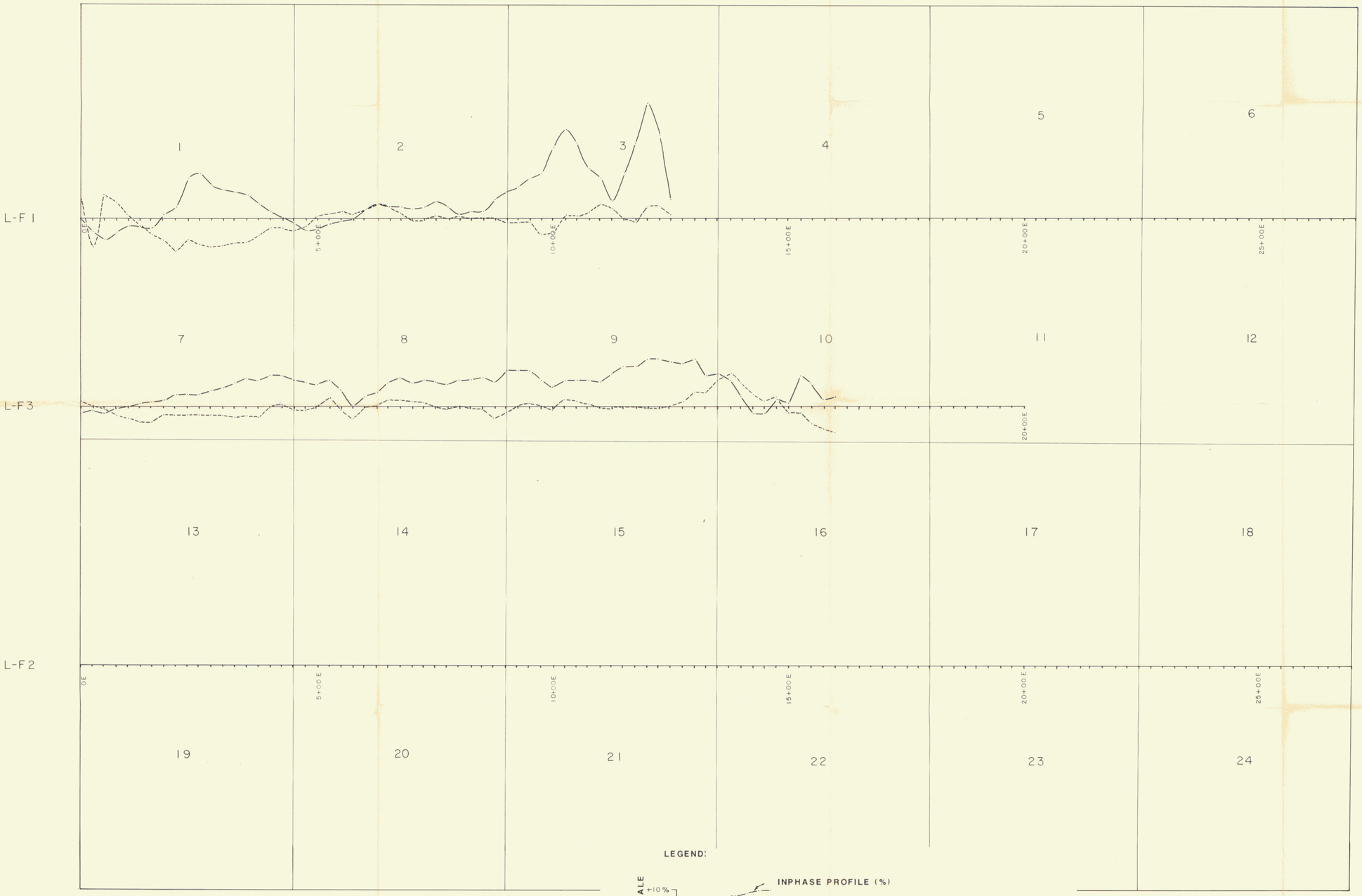
0 100 200 300 400 500 m

SCALE 1: 5,000

DATE: DEC., 1985

BY: P.G./r.w.r.

FIGURE: 10



LEGEND:

PROFILE SCALE +10% 0 -10%

INPHASE PROFILE (%)

QUADRATURE PROFILE (%)

INSTRUMENT: GEOMETRICS VLF-EM 16

STATION: 'NPM' HAWAII

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DAWSON SYNDICATE 1983 EXPLORATION

LIMITED PARTNERSHIP

FISH CLAIMS

DAWSON M.D.-Y.T. NTS: 116-B-3

VLF-EM 16 SURVEY PROFILES

0 100 200 300 400 500 m

SCALE 1:5,000

DATE: DEC., 1985

BY: P.G./r.w.r.

FIGURE: 11

LEGEND:

H = HEAVY MINERAL CONCENTRATE SAMPLE SITE

T = SILT SAMPLE SITE

DS = 1983 HEAVY MINERAL CONCENTRATE SAMPLE SITE.

■ 1985 HMC SAMPLE SITE

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DAWSON SYNDICATE (1983) EXPLORATION LTD. PARTNERSHIP

DAWSON AREA

DAWSON M.D.-Y.T. NTS:116-B-3,115-O-14

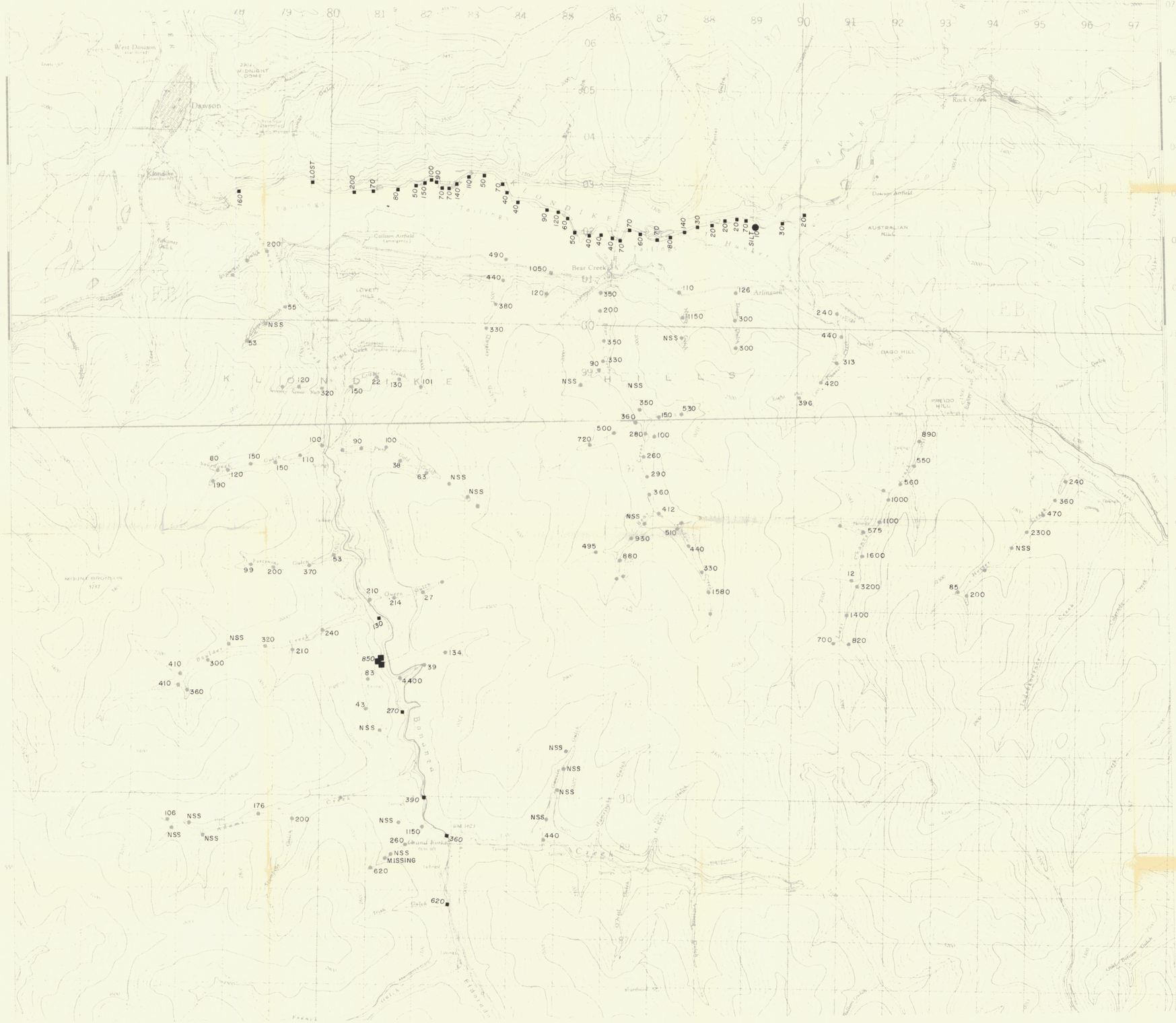
HMC & SILT SAMPLE LOCATION MAP

1000 0 1000 2000 SCALE 1:50000

DATE OCT.,1985

BY P.G./r.w.r.

FIGURE 12



320 1985 HMC SAMPLE SITE & As RESULT

10 1985 SILT SAMPLE SITE & As RESULT

ANOMALOUS ARSENIC VALUES (≥500 p.p.m.)

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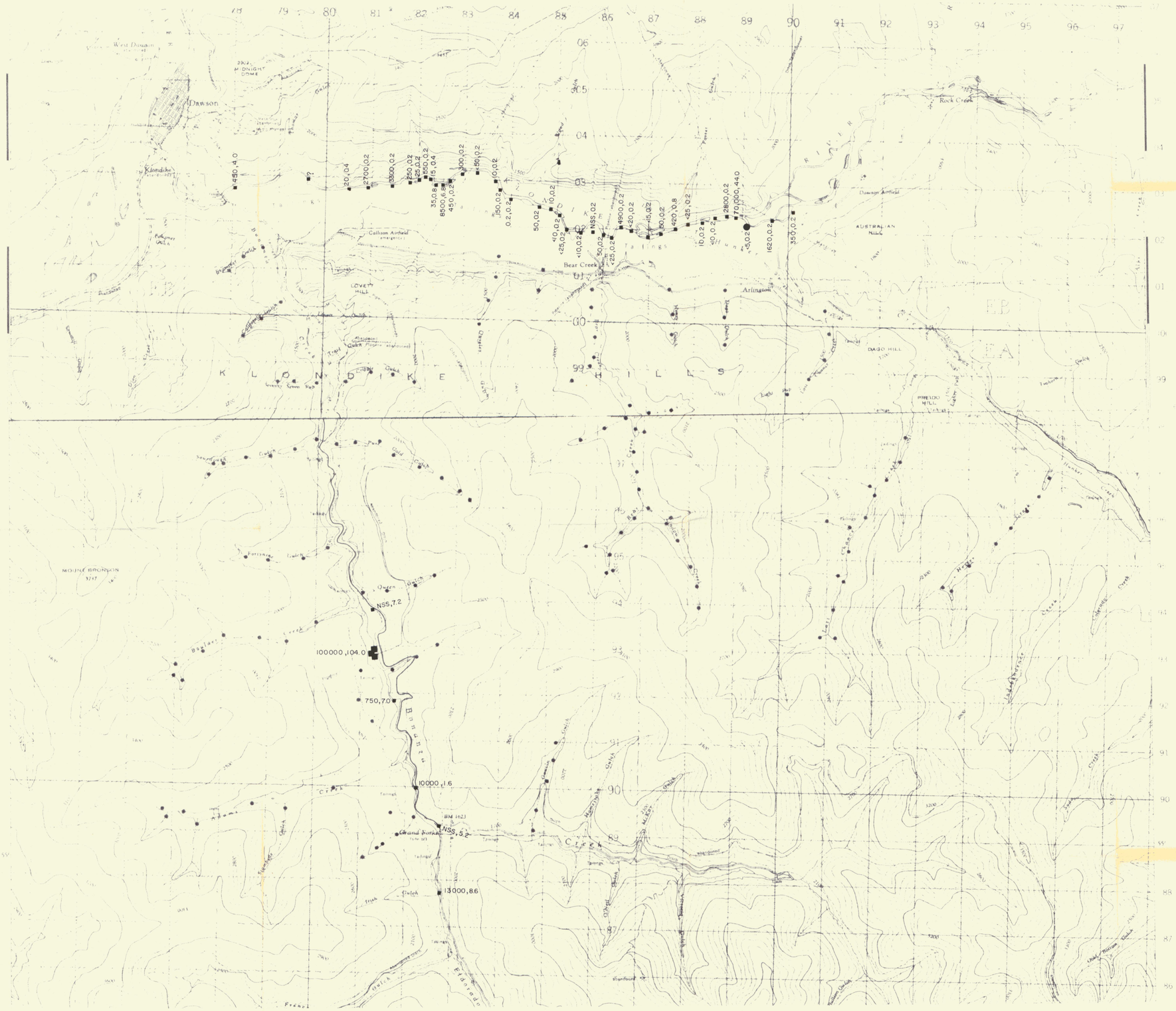
DAWSON SYNDICATE (1983) EXPLORATION LTD. PARTNERSHIP

DAWSON AREA

HMC ARSENIC (p.p.m.) RESULTS

DATE MAR., 1985 ; DEC., 1985

FIGURE 13



LEGEND

- ▪ 1985 HMC SAMPLE SITE
- 350,0.2 ▪ Au RESULT IN p.p.b. & Ag RESULT in p.p.m
- ● 1985 SILT SAMPLE SITE

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DAWSON SYNDICATE (1983) EXPLORATION LTD PARTNERSHIP

DAWSON AREA

HMC & SILT SAMPLING

Au p.p.b. & Ag p.p.m. RESULTS

1500 0 1000 2000 SCALE 1:50000

DATE: DEC.,1985

BY: P.G./r.w.r.

FIGURE 14

Dawson
Klondike
Callison Airfield
Dawson Airfield
Bear Creek
Arlington
LOVETT HILL
AUSTRALIAN HILL
DAGO HILL
PRESTON HILL
Rock Creek
KLONDIKE HILLS
KLONDIKE RIVER
Bonanza Creek
Grand Forks
Quartz Creek
Eldorado Creek
Hunker Creek
Gold Creek
Sulphur Creek
Lower Discovery Creek
Upper Discovery Creek
Boulder Creek
Trail Gulch
Forepaugh Gulch
Lovett Gulch
Abandoned Gulch
Quigley Gulch
Lucky Gulch
Paul Gulch
Sourdough Gulch
Basler Gulch
Queen Gulch
Frenzel Gulch
Lower Discovery Gulch
Upper Discovery Gulch
Boulder Gulch
Hunker Gulch
Eldorado Gulch
MOUNT BRONSON
MIDNIGHT DOME
Tailings
Abandoned Placers
Tailings Pond
Tailings Dam
Dredge
Dredge Pond
Dredge Tailings
Dredge Cut
Dredge Pond Abandoned
Placers Abandoned
Placers Abandoned Tailings
Placers Abandoned Tailings Pond
Placers Abandoned Tailings Dam
Placers Abandoned Dredge
Placers Abandoned Dredge Pond
Placers Abandoned Dredge Tailings
Placers Abandoned Dredge Cut
Placers Abandoned Dredge Pond Abandoned
Placers Abandoned Tailings Abandoned
Placers Abandoned Tailings Pond Abandoned
Placers Abandoned Tailings Dam Abandoned
Placers Abandoned Dredge Abandoned
Placers Abandoned Dredge Pond Abandoned
Placers Abandoned Dredge Tailings Abandoned
Placers Abandoned Dredge Cut Abandoned

LEGEND

- ▪ 1985 HMC SAMPLE SITE
- 41,490▪ Cu RESULT IN p.p.m. & Fe RESULT In %
- ● 1985 SILT SAMPLE SITE

091807

DAWSON SYNDICATE (1983) EXPLORATION LTD PARTNERSHIP

DAWSON AREA

HMC & SILT SAMPLING

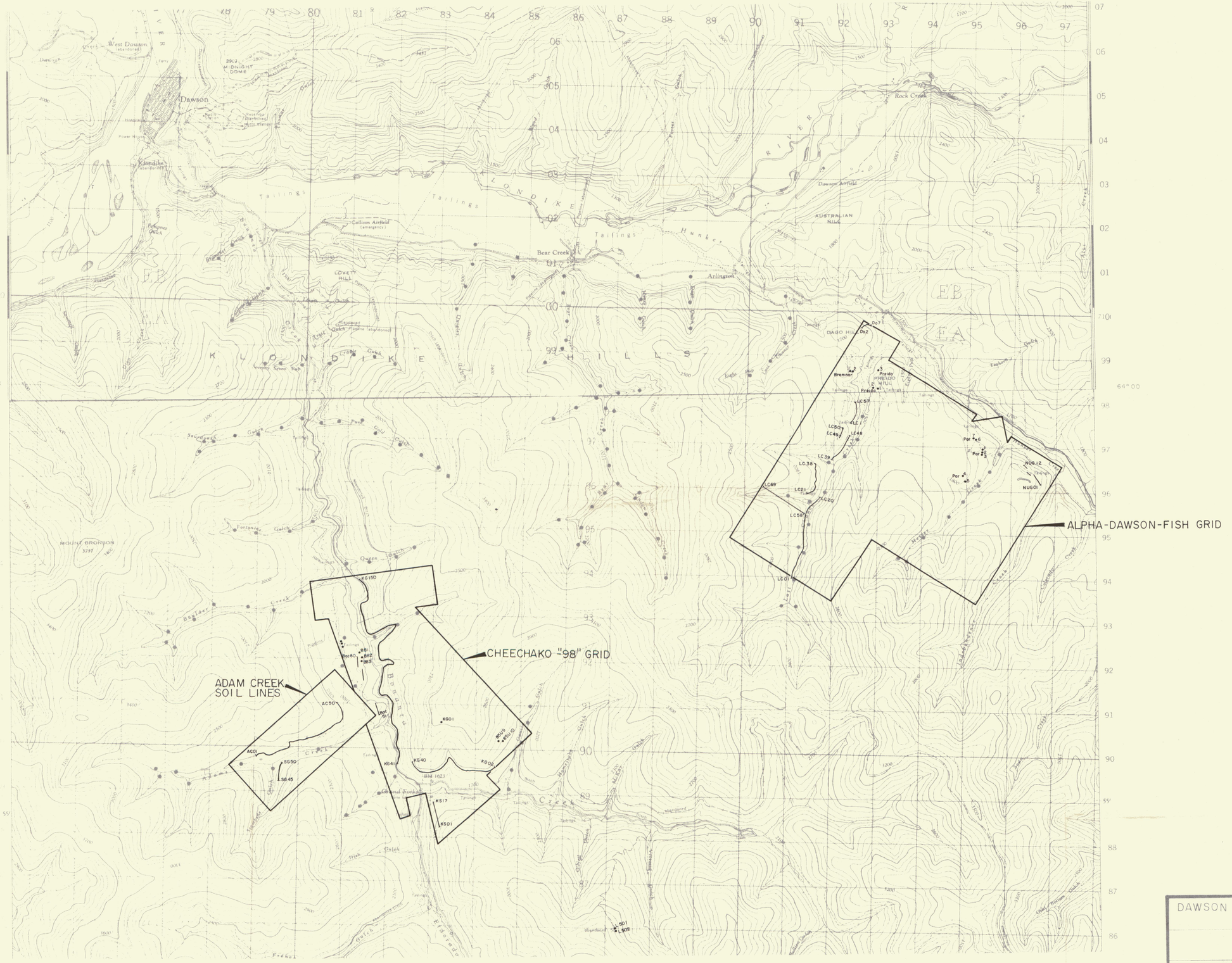
Cu p.p.m. & Fe % RESULTS

SCALE 1:50000

DATE: DEC.,1985

BY: P.G./r.w.r.

FIGURE 16



091807

DAWSON SYNDICATE (1983) EXPLORATION LTD. PARTNERSHIP

DAWSON AREA

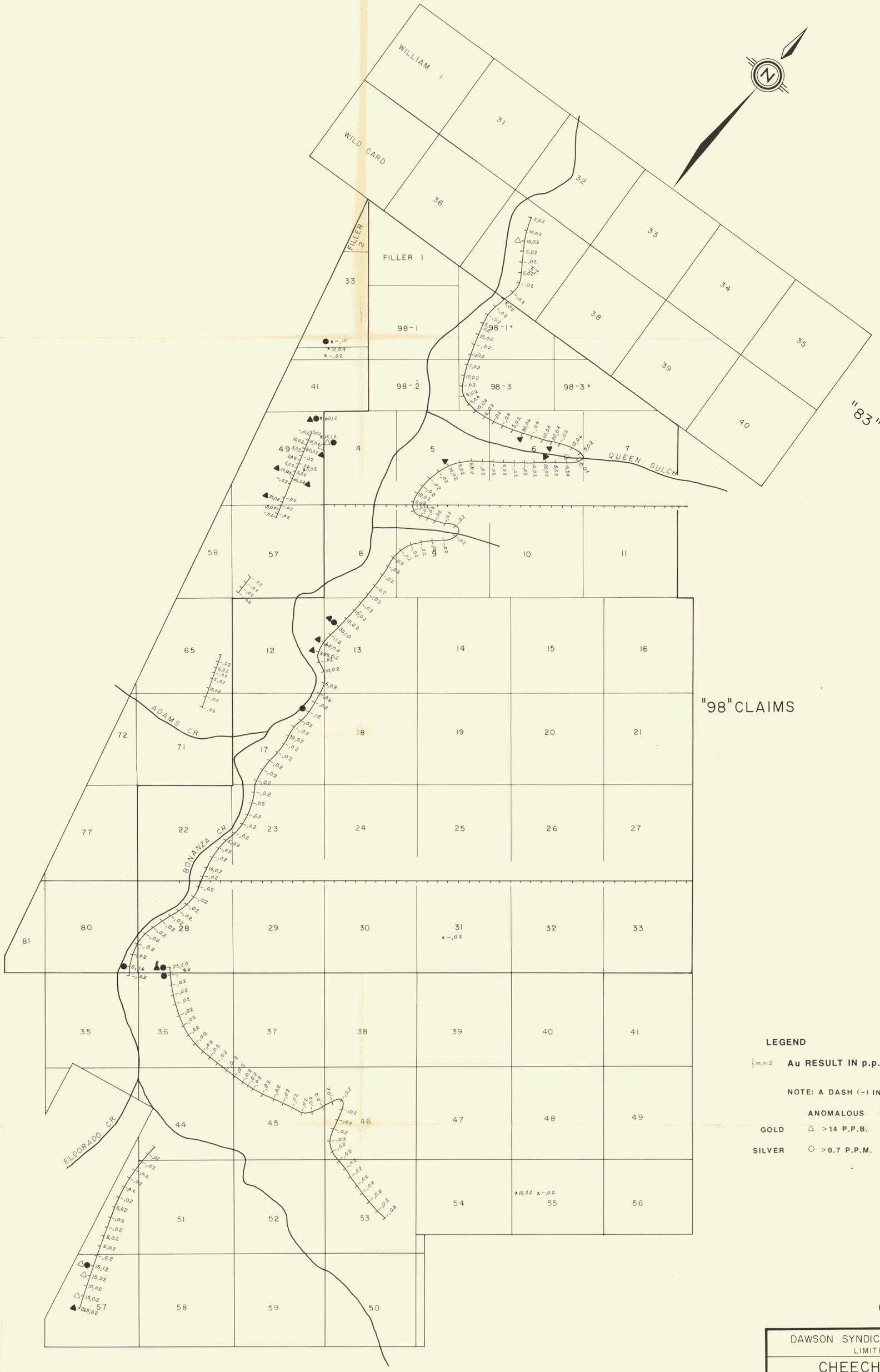
DAWSON M.D.-Y.T. NTS:116-B-3,115-O-14

SOIL SAMPLE LOCATION MAP

1000 0 1000 2000 SCALE 1:50000

DATE OCT. 1985
BY P.G. /r.w.r.

FIGURE 17



LEGEND

10,0.2 **Au RESULT IN p.p.b., Ag RESULT IN p.p.m.**

NOTE: A DASH (–) INDICATES <5 P.P.B. GOLD RESULT

	ANOMALOUS	HIGHLY ANOMALOUS
GOLD	△ >14 P.P.B.	▲ >18 P.P.B.
SILVER	○ >0.7 P.P.M.	● >0.9 P.P.M.

091807

DAWSON SYNDICATE 1983 EXPLORATION
LIMITED PARTNERSHIP

CHEECHAKO "98" GRID

DAWSON M.D., Y.T. N.T.S. 115-O-14

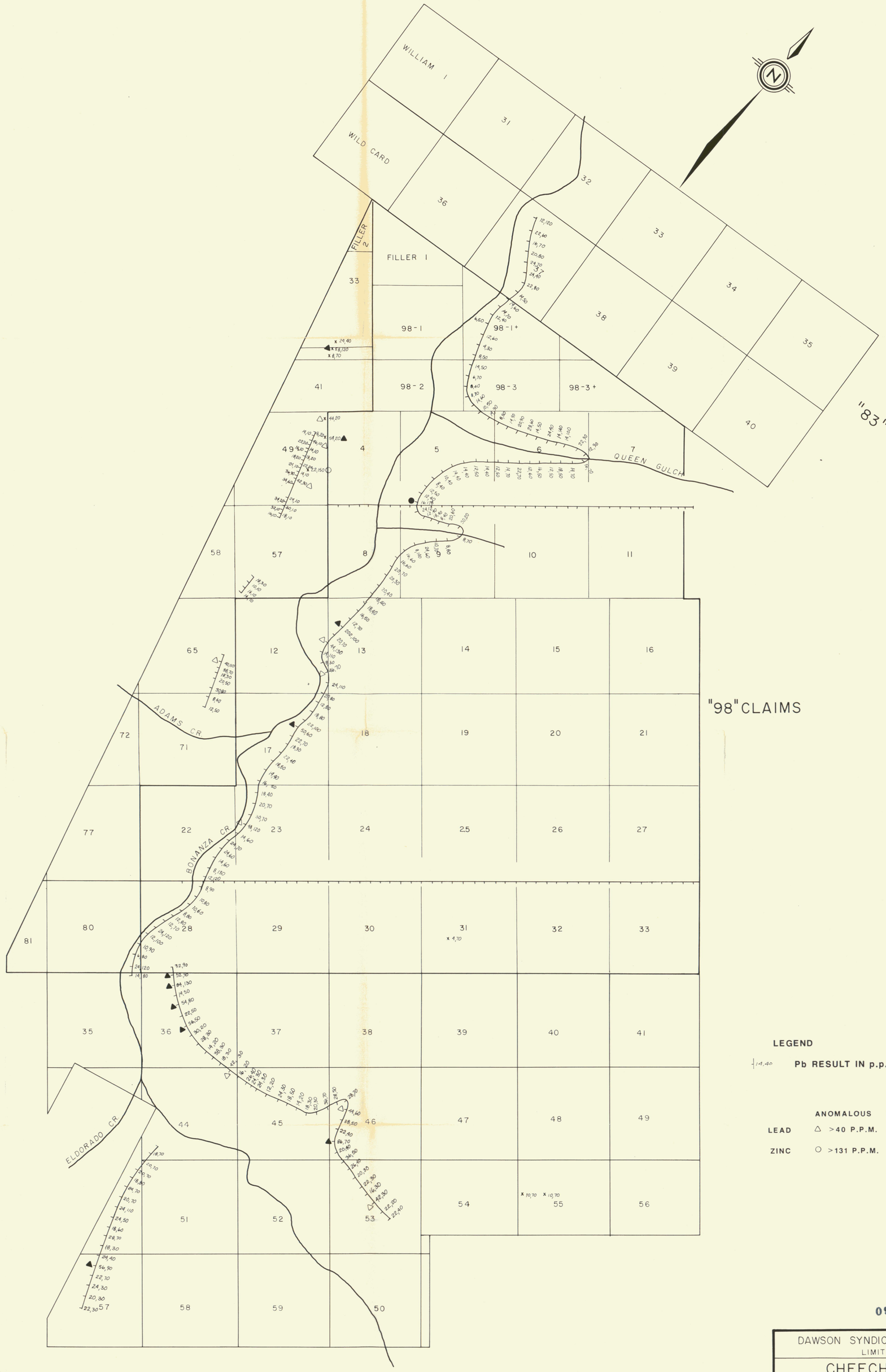
SOIL GEOCHEMISTRY

Au (p.p.b.), Ag (p.p.m.) RESULTS

0 200 400 600 m. SCALE 1:10,000

DATE: OCT. 1985

BY: P.G./r.w.r. MAP Nº 18



LEGEND

14,40 — Pb RESULT IN p.p.m., Zn RESULT IN p.p.m.

	ANOMALOUS	HIGHLY ANOMALOUS
LEAD	△ >40 P.P.M.	▲ >49 P.P.M.
ZINC	○ >131 P.P.M.	● >162 P.P.M.

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DAWSON SYNDICATE 1983 EXPLORATION
LIMITED PARTNERSHIP

CHEECHAKO "98" GRID

DAWSON M.D., Y.T. N.T.S. 115-O-14

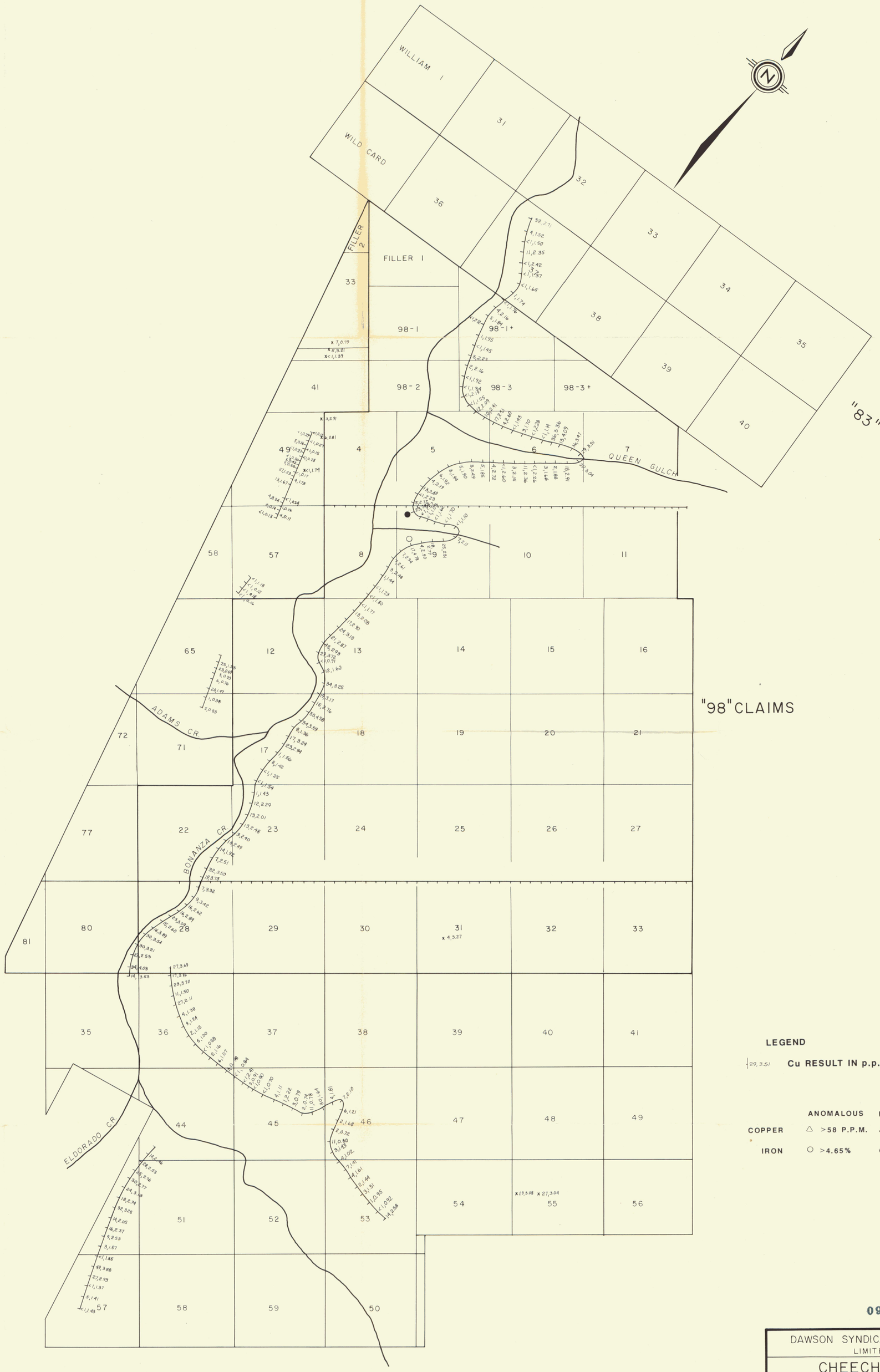
SOIL GEOCHEMISTRY

Pb, Zn RESULTS (p.p.m.)

0 200 400 600 m. SCALE 1:10,000

DATE: OCT. 1985

BY: P.G./r.w.r. MAP Nº 19



LEGEND

29, 3.51 Cu RESULT IN p.p.m., Fe RESULT IN %

	ANOMALOUS	HIGHLY ANOMALOUS
COPPER	△ >58 P.P.M.	▲ >77 P.P.M.
IRON	○ >4.65%	● >5.7%

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DAWSON SYNDICATE 1983 EXPLORATION
LIMITED PARTNERSHIP

CHEECHAKO "98" GRID

DAWSON M.D., Y.T. N.T.S. 115-O-14

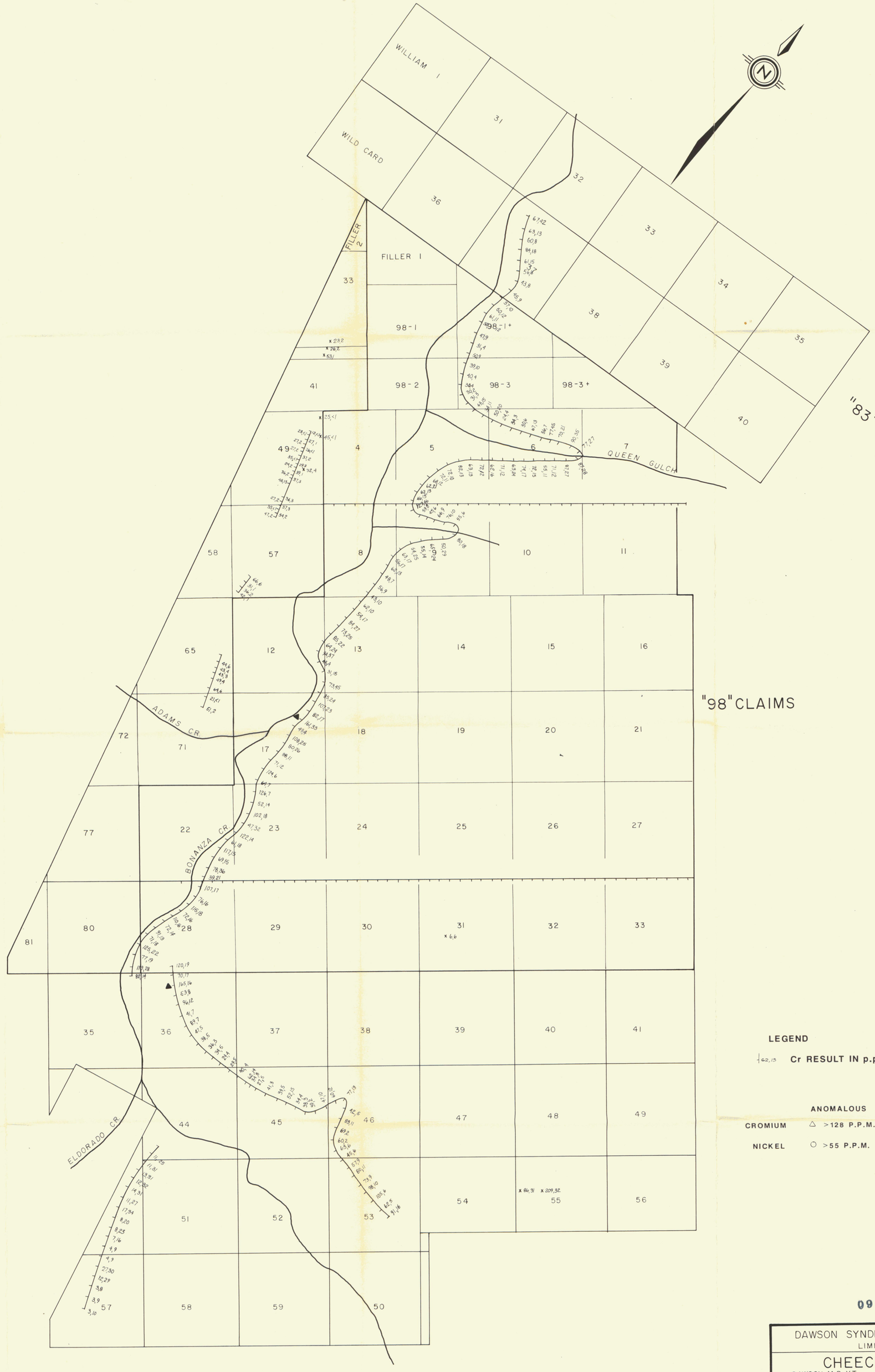
SOIL GEOCHEMISTRY

Cu (p.p.m.), Fe (%) RESULTS

0 200 400 600 m. SCALE 1:10,000

DATE: OCT. 1985

BY: P.G./r.w.r. MAP Nº 20



LEGEND

62,13 Cr RESULT IN p.p.m., Ni RESULT IN p.p.m.

	ANOMALOUS	HIGHLY ANOMALOUS
CROMIUM	△ >128 P.P.M.	▲ >158 P.P.M.
NICKEL	○ >55 P.P.M.	● >72 P.P.M.

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DAWSON SYNDICATE 1983 EXPLORATION
LIMITED PARTNERSHIP

CHEECHAKO "98" GRID

DAWSON M.D., Y.T. N.T.S. 115-O-14

SOIL GEOCHEMISTRY

Cr, Ni RESULTS (p.p.m.)

0 200 400 600 m. SCALE 1:10,000

DATE: OCT. 1985

BY: P.G./r.w.r. MAP Nº 21

ALPHA CLAIMS

DAWSON 165 - 180

L 9 W

L O E

BETSY

L 9 E

DAWSON 101 - 116

F DAGO (D)

A

G

B

173 PREIDO

H

BREMNAR OVERSTAKED

I

J

K D

177

L E

S Q 179

T R 180

PARADISE (PAR)

NUGGET (NUG)

		165	157	149	141		117	109	101
		166	158	150	142	134	118	110	102
		167	159	151	143	135	127	119	111	103
		168	160	152	144	136	128	120	112	104
		169	161	153	145	137	129	121	113	105
		170	162	154	146	138	130	122	114	106
		171	163	155	147	139	131	123	115	107
		172	164	156	148	140	132	124	116	108

		4	5	6	
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24

"FISH" CLAIMS

LEGEND

30, 5.56, 28 — Cu RESULT IN p.p.m., Fe RESULT IN %, Mo RESULT IN p.p.m.

	ANOMALOUS	HIGHLY ANOMALOUS
COPPER	△ >58 P.P.M.	▲ >77 P.P.M.
IRON	○ >4.65%	● >5.71 %

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DAWSON SYNDICATE 1983 EXPLORATION
LIMITED PARTNERSHIP

ALPHA-DAWSON "FISH" GRID

DAWSON M.D., Y.T. N.T.S. 115-O-14

SOIL GEOCHEMISTRY

Cu, Mo (p.p.m.), Fe (%) RESULTS

0 200 400 600 m. SCALE 1:10,000

DATE: OCT. 1985

BY: PG./r.w.r. MAP Nº 22

ALPHA CLAIMS

BETSY

DAWSON 165 - 180

L 9 W

L O E

L 9 E

DAWSON 101 - 116

F DAGO (D)

A

G

B

173

PREIDO

H

BREMNAR

OVERSTAKED

I

J

K

D

177

L

E

178

S

Q

179

T

R

180

1

2

3

4

PARADISE (PAR)

134

NUGGET (NUG)

		165	157	149	141		117	109	101
		166	158	150	142		118	110	102
		167	159	151	143	135	127	119	111	103
		168	160	152	144	136	128	120	112	104
		169	161	153	145	137	129	121	113	105
		170	162	154	146	138	130	122	114	106
		171	163	155	147	139	131	123	115	107
		172	164	156	148	140	132	124	116	108

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

"FISH" CLAIMS

LEGEND

Au, Ag — **Au RESULT IN p.p.b., Ag RESULT IN p.p.m.**

NOTE: A DASH (-) INDICATES <5 P.P.B. GOLD RESULT

	ANOMALOUS	HIGHLY ANOMALOUS
GOLD	△ >14 P.P.B.	▲ >18 P.P.B.
SILVER	○ >0.7 P.P.M.	● >0.9 P.P.M.

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DAWSON SYNDICATE 1983 EXPLORATION
LIMITED PARTNERSHIP

ALPHA-DAWSON "FISH" GRID

DAWSON M.D., Y.T. N.T.S. 115-O-14

SOIL GEOCHEMISTRY

Au (p.p.b.), Ag (p.p.m.) RESULTS

0 200 400 600 m. SCALE 1:10,000

DATE: OCT. 1985

BY: PG/rw.r. MAP Nº 23

ALPHA CLAIMS

BETSY

DAWSON 165 - 180

L 9 W

L O E

L 9 E

DAWSON 101 - 116

F DAGO (D)

A

G

B

173

PREIDO

H

BREMNAR

OVERSTAKED

I

J

K

D

177

L

E

178

S

Q

179

T

R

180

1

2

3

4

PARADISE (PAR)

NUGGET (NUG)

		165	157	149	141			117	109	101
		166	158	150	142	134		118	110	102
		167	159	151	143	135	127	119	111	103
		168	160	152	144	136	128	120	112	104
		169	161	153	145	137	129	121	113	105
		170	162	154	146	138	130	122	114	106
		171	163	155	147	139	131	123	115	107
		172	164	156	148	140	132	124	116	108

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24

"FISH" CLAIMS

LEGEND

36,200 **Pb RESULT IN p.p.m., Zn RESULT IN p.p.m.**

	ANOMALOUS	HIGHLY ANOMALOUS
LEAD	△ >40 P.P.M.	▲ >49 P.P.M.
ZINC	○ >131 P.P.M.	● >162 P.P.M.

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DAWSON SYNDICATE 1983 EXPLORATION
LIMITED PARTNERSHIP

ALPHA-DAWSON "FISH" GRID

DAWSON M.D., Y.T. N.T.S. 115-O-14

SOIL GEOCHEMISTRY

Pb, Zn RESULTS (p.p.m.)

0 200 400 600 m. SCALE 1:10,000

DATE: OCT. 1985

BY: PG /r.w.r. MAP Nº 24

ALPHA CLAIMS

DAWSON 165 - 180

L 9 W

L O E

BETSY

L 9 E

DAWSON 101 - 116

F DAGO (D)

A

G

B

PREIDO

H

BREMNAR

OVERSTAKED

I

J

K

D

L

E

S

Q

T

R

PARADISE (PAR)

NUGGET (NUG)

		173	165	157	149	141		117	109	101
			166	158	150	142	134	118	110	102
			167	159	151	143	135	127	119	111	103
			168	160	152	144	136	128	120	112	104
		177	169	161	153	145	137	129	121	113	105
		178	170	162	154	146	138	130	122	114	106
		179	171	163	155	147	139	131	123	115	107
		180	172	164	156	148	140	132	124	116	108

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24

"FISH" CLAIMS

LEGEND

118,61 Cr RESULT IN p.p.m., NI RESULT IN p.p.m.

	ANOMALOUS	HIGHLY ANOMALOUS
CROMIUM	△ >128 P.P.M.	▲ >158 P.P.M.
NICKEL	○ >55 P.P.M.	● >72 P.P.M.

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DAWSON SYNDICATE 1983 EXPLORATION
LIMITED PARTNERSHIP

ALPHA-DAWSON "FISH" GRID

DAWSON M.D., Y.T. N.T.S. 115-O-14

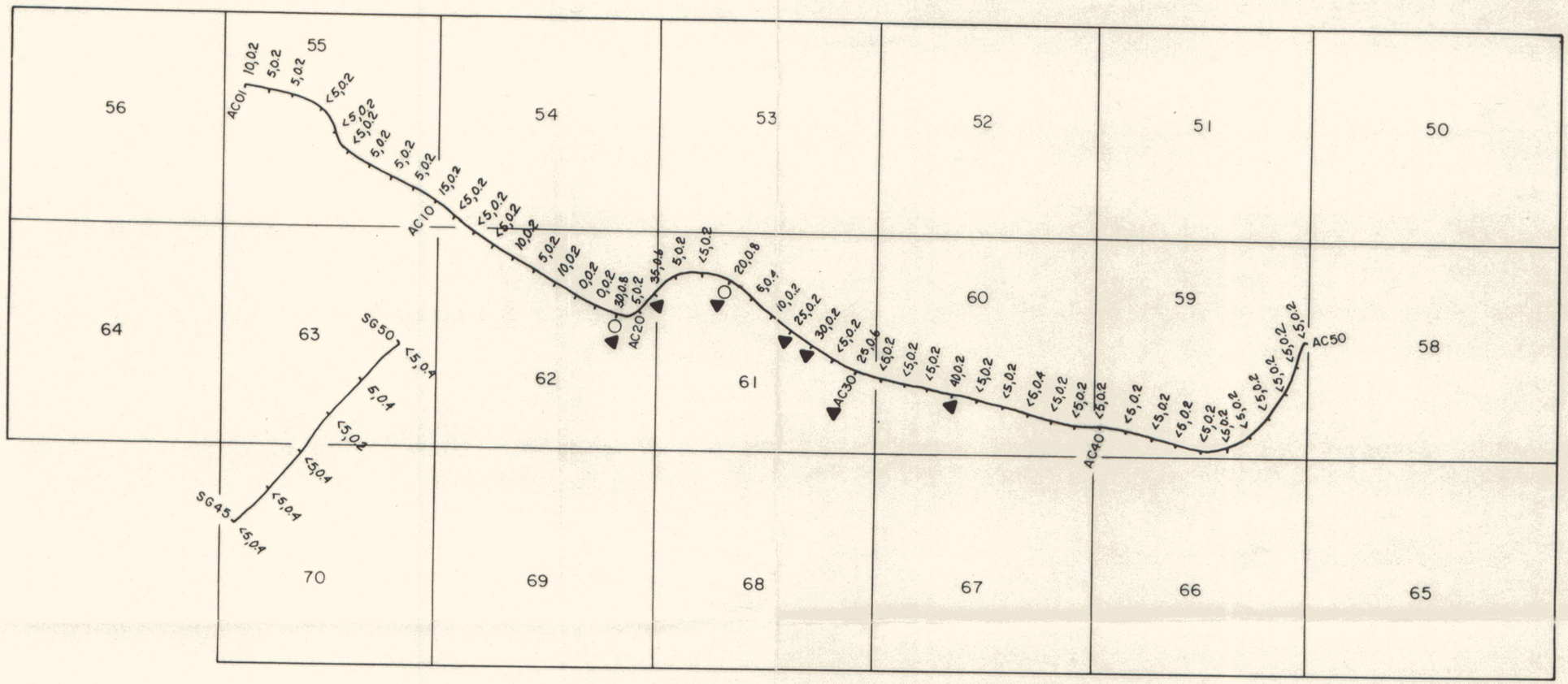
SOIL GEOCHEMISTRY

Cr, Ni RESULTS (p.p.m.)

0 200 400 600 m. SCALE 1:10,000

DATE: OCT. 1985

BY: PG/r.w.r. MAP Nº 25



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LEGEND:

Au, Ag RESULTS

30,08

	ANOMALOUS	HIGHLY ANOMALOUS
GOLD	△ >14 P.P.B.	▲ >18 P.P.B.
SILVER	○ >0.7 P.P.M.	● >0.9 P.P.M.

DAWSON SYNDICATE 1983 EXPLORATION

LIMITED PARTNERSHIP

SYNDICATE CLAIMS

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

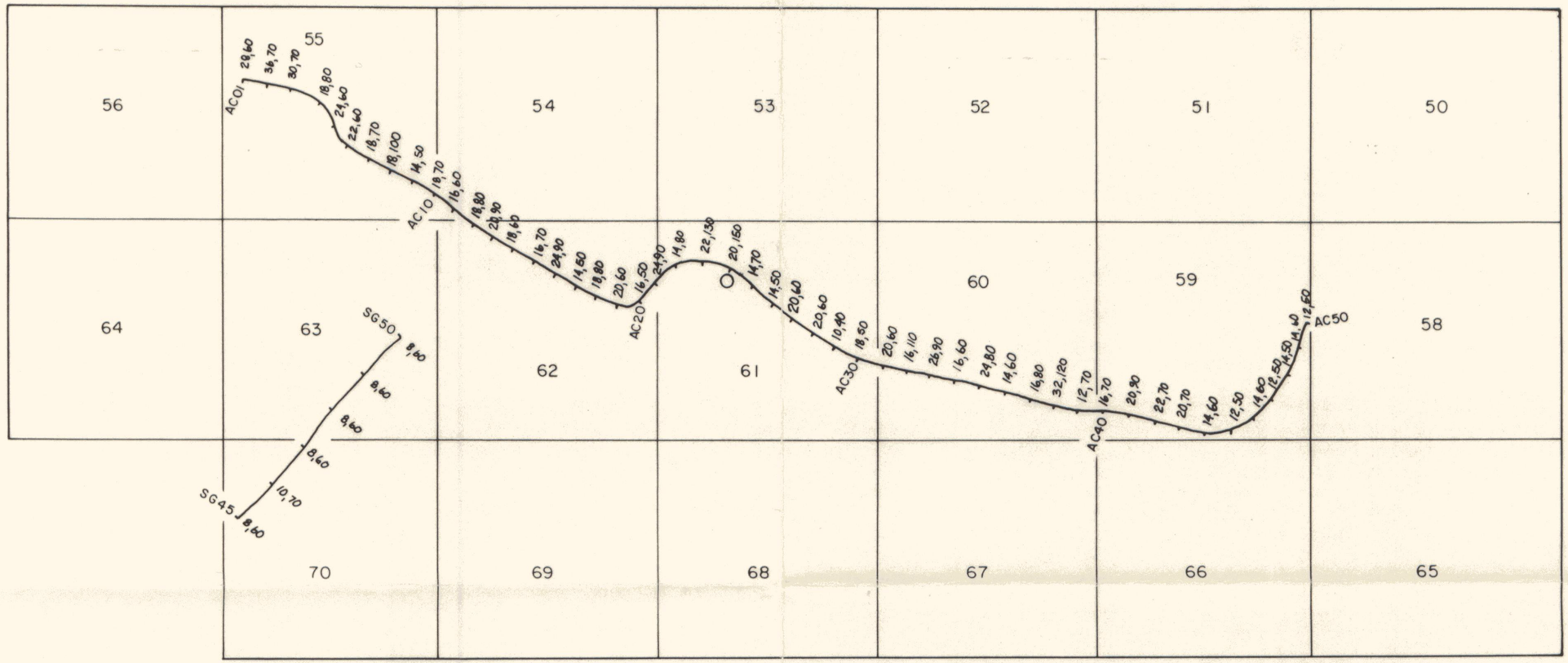
ADAMS CREEK SOIL LINES

Au (ppb), Ag (ppm) RESULTS

0 500m SCALE 1:10,000

DATE:

BY:P.G./r.w.r. FIGURE: 26



LEGEND:

	ANOMALOUS	HIGHLY ANOMALOUS
LEAD	△ >40 P.P.M.	▲ >49 P.P.M.
ZINC	○ >131 P.P.M.	● >162 P.P.M.

Pb, Zn RESULTS

24,90

DAWSON SYNDICATE 1983 EXPLORATION

LIMITED PARTNERSHIP

SYNDICATE CLAIMS

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

ADAMS CREEK SOIL LINES

Pb, Zn RESULTS (ppm)

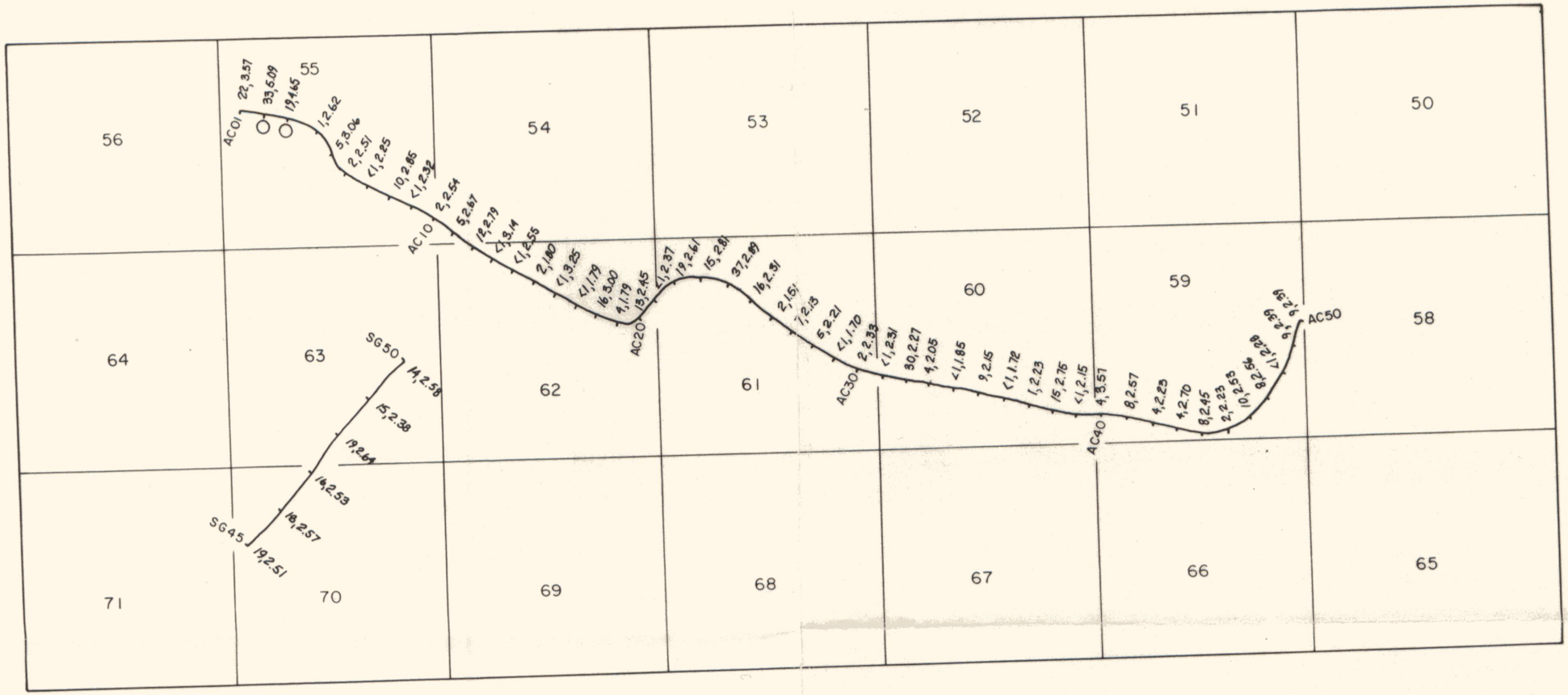
0 500m

SCALE 1:10,000

DATE:

BY:P.G./r.w.r.

FIGURE: 27



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LEGEND:

Cu, Fe RESULTS

19, 2.41

	ANOMALOUS	HIGHLY ANOMALOUS
COPPER	△ >58 P.P.M.	▲ >77 P.P.M.
IRON	○ >4.65%	● >5.71 %

DAWSON SYNDICATE 1983 EXPLORATION

LIMITED PARTNERSHIP

SYNDICATE CLAIMS

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

ADAMS CREEK SOIL LINES

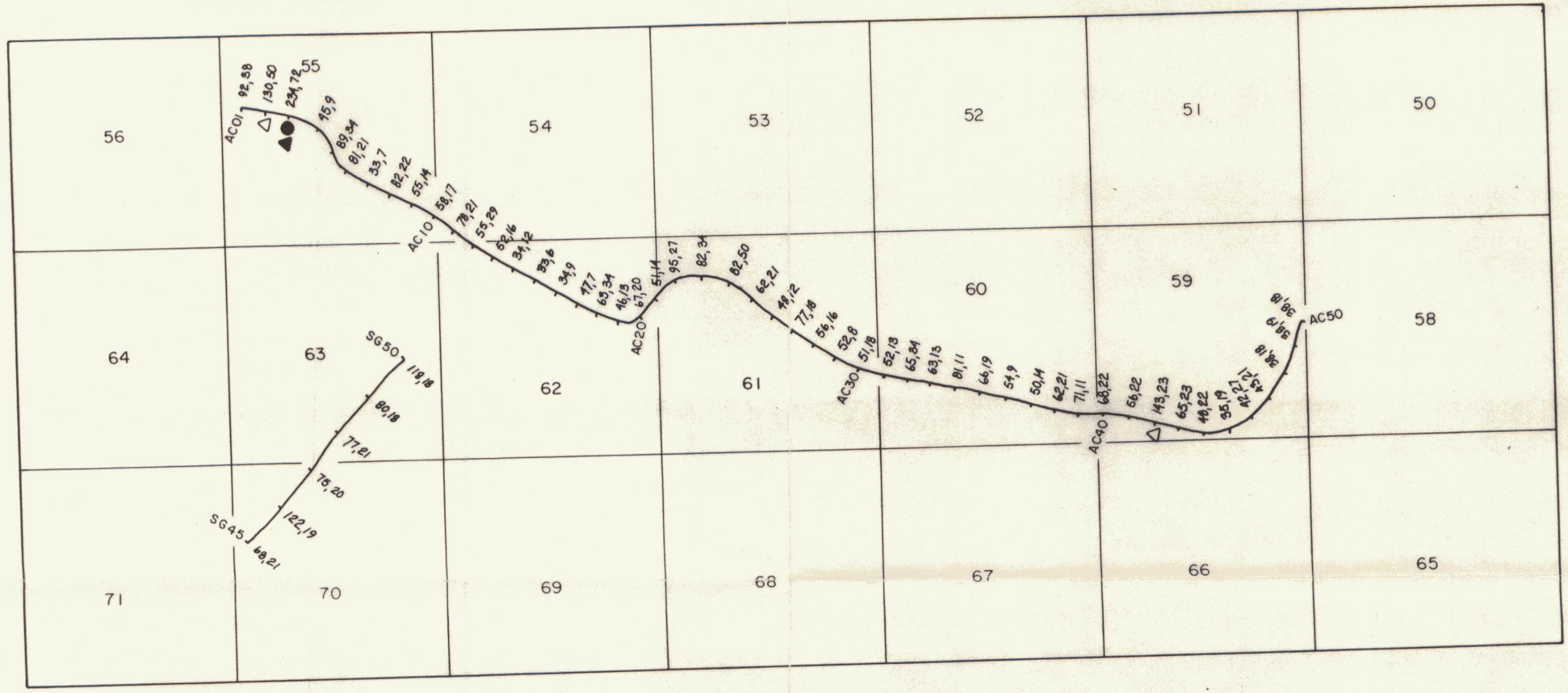
Cu (ppm), Fe (%) RESULTS

0 500m SCALE 1:10,000

DATE:

BY:P.G./r.w.r.

FIGURE: 28



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LEGEND:

	ANOMALOUS	HIGHLY ANOMALOUS
CROMIUM	△ >128 P.P.M.	▲ >158 P.P.M.
NICKEL	○ >55 P.P.M.	● >72 P.P.M.

Cr, NI RESULTS

67,20

DAWSON SYNDICATE 1983 EXPLORATION

LIMITED PARTNERSHIP

SYNDICATE CLAIMS

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

ADAMS CREEK SOIL LINES

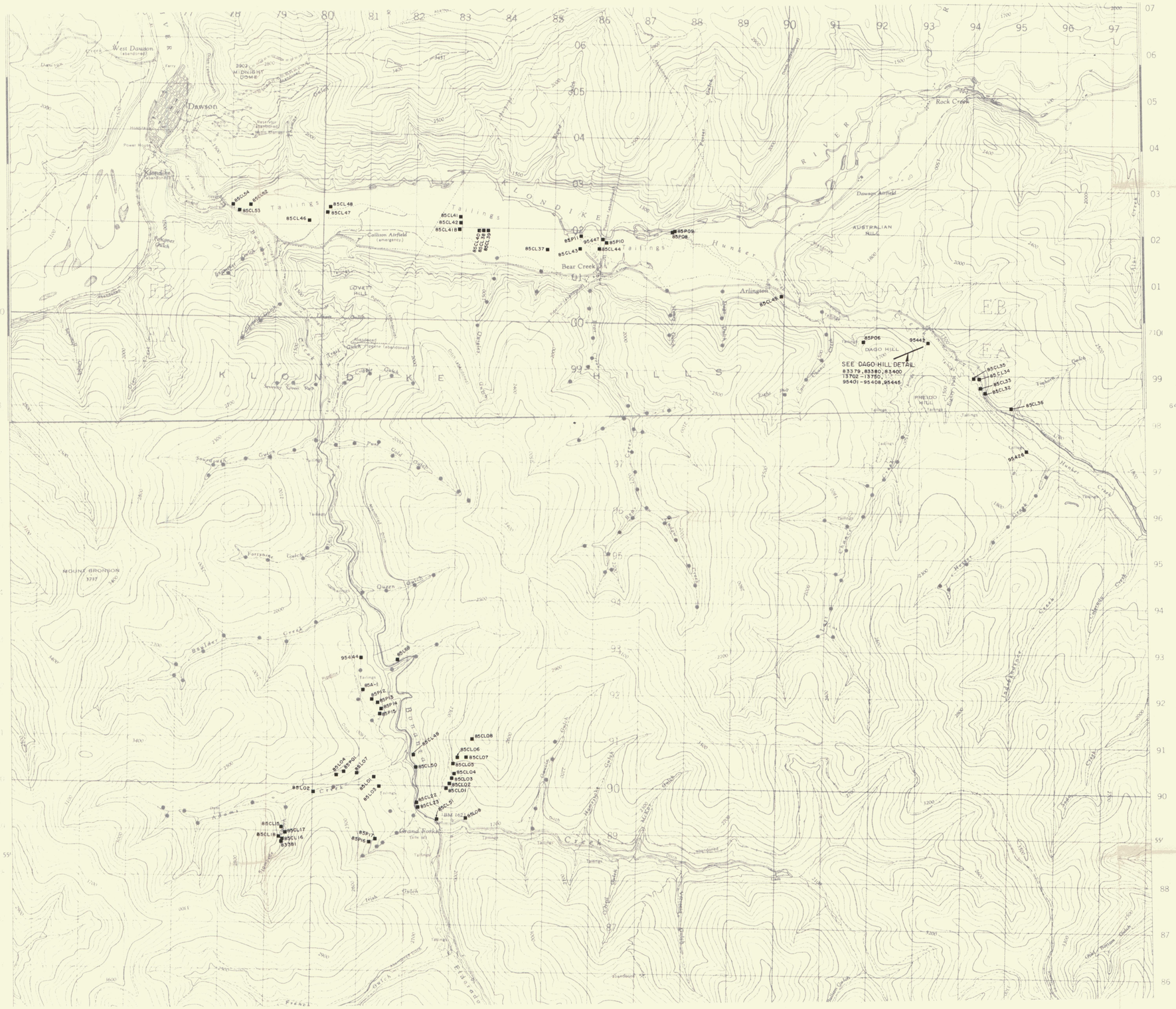
Cr, Ni RESULTS (ppm)

0 500m SCALE 1:10,000

DATE:

BY:P.G./r.w.r.

FIGURE: 29



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DAWSON SYNDICATE (1983) EXPLORATION LTD. PARTNERSHIP

DAWSON AREA

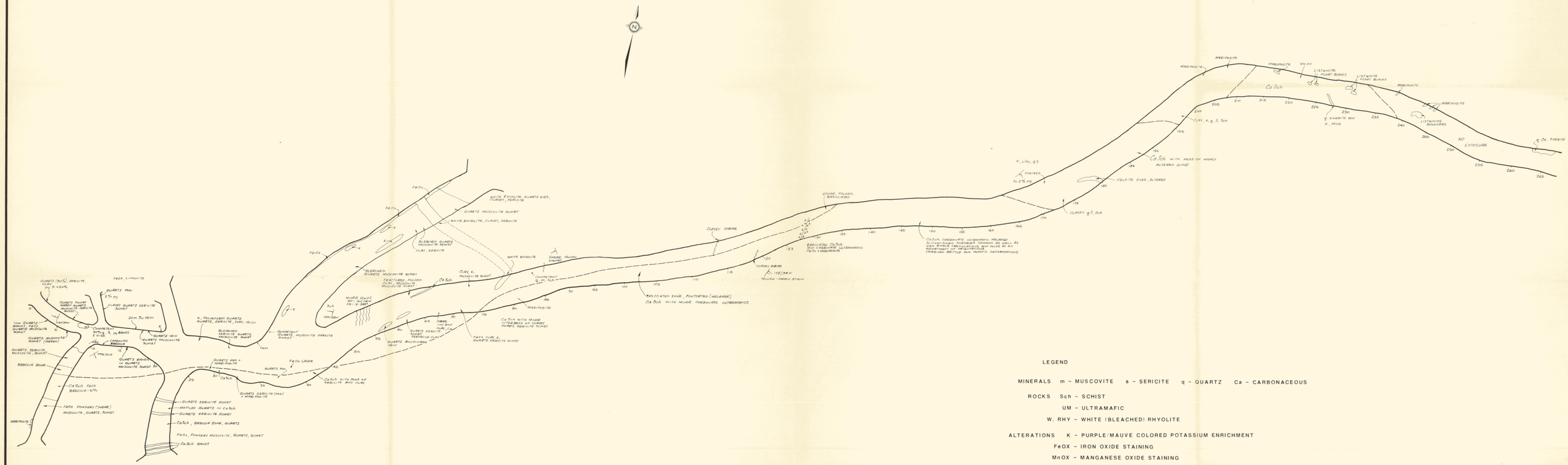
DAWSON M.D.-Y.T. NTS:116-B-3,115-O-14

ROCK SAMPLE LOCATION MAP

1000 0 1000 2000 SCALE 1:50000

DATE OCT., 1985
BY P.G. / r.w.r.

FIGURE 30



LEGEND

MINERALS m – MUSCOVITE s – SERICITE q – QUARTZ Ca – CARBONACEOUS

ROCKS Sch – SCHIST
UM – ULTRAMAFIC
W. RHY – WHITE (BLEACHED) RHYOLITE

ALTERATIONS K – PURPLE/MAUVE COLORED POTASSIUM ENRICHMENT
FeOX – IRON OXIDE STAINING
MnOX – MANGANESE OXIDE STAINING
bx – BOXWORK CAVITIES
py – PYRITE
Su – SULPHIDES

STRUCTURES brxx – BRECCIATED ZONES
SCHISTOCITY PLANE
SHEAR ZONE
FRACTURE PLANE
CONTACTS (KNOWN, APPARENT)

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DAWSON SYNDICATE 1983 EXPLORATION
LIMITED PARTNERSHIP

ALPHA 'A' AND 'F' CLAIMS
DAWSON M.D. – Y.T. NTS: 115 O/14
(STUTTER/WORMSBY PLACER)

S.E. DAGO HILL DRAINAGE TRENCH GEOLOGY

SCALE 1:250

DATE: DEC., 1985
BY: P.G./r.w.r.

FIGURE: 31