092300

YUKON ASSESSMENT REPORT

PROPERTY: **LONE STAR**

NTS MAP SHEET: 115O/14

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

CLAIMS AND GRANT NUMBERS WORKED:

AC 10,12,14,21	YA64279,65627,629,636
DE 8,12	YA55254,261
DN 14-20,22,28,29	YA32949-955,957,47084,085
RJ 1,4-7	YA64126,129-132
RON 9,11,15,17,21,35-39	YA10308,310,314,316,320,334-328

OWNER OF PROPERTY: **Arbor Resources Inc.**

ADDRESS: #1000 - 675 West Hastings Street
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V6B 1N6

TELEPHONE: (604) 685-2222

OPERATOR: **Hastings Management Corp.**

TYPE OF WORK: **Geological mapping, geochemical sampling, and trenching.**

DATES WORK WAS DONE: **June 3 - October 12, 1991.**

AUTHOR OF REPORT: **Scott Tomlinson, B.Sc.**

LIST OF PERSONNEL:
Scott Tomlinson, Hastings Management Corp.
Philip Van Angeren, Hastings Management Corp.
Art Troup, Archean Engineering Ltd.

GEOLOGICAL, GEOCHEMICAL, AND TRENCHING REPORT ON THE LONE STAR PROPERTY

DAWSON MINING DISTRICT, YUKON

SUMMARY

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

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

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

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

The 1991 program was designed to prospect for high grade quartz veins and shear zones, and to further delineate a gold anomally previously discovered near the Lone Star mine. To these ends the following work was performed: 231 soil samples, 44 rock samples, and 13 trenches.

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

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

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GEOLOGICAL, GEOCHEMICAL, AND TRENCHING REPORT ON THE LONE STAR PROPERTY

DAWSON MINING DISTRICT, YUKON

1. INTRODUCTION

This report covers the field program completed between June 3 and October 12, 1991 under the supervision of Project Geologist Scott Tomlinson of Hastings Management Corp.

1.1 LOCATION AND ACCESS

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

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

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

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

KLONDIKE REEF MINES LTD.

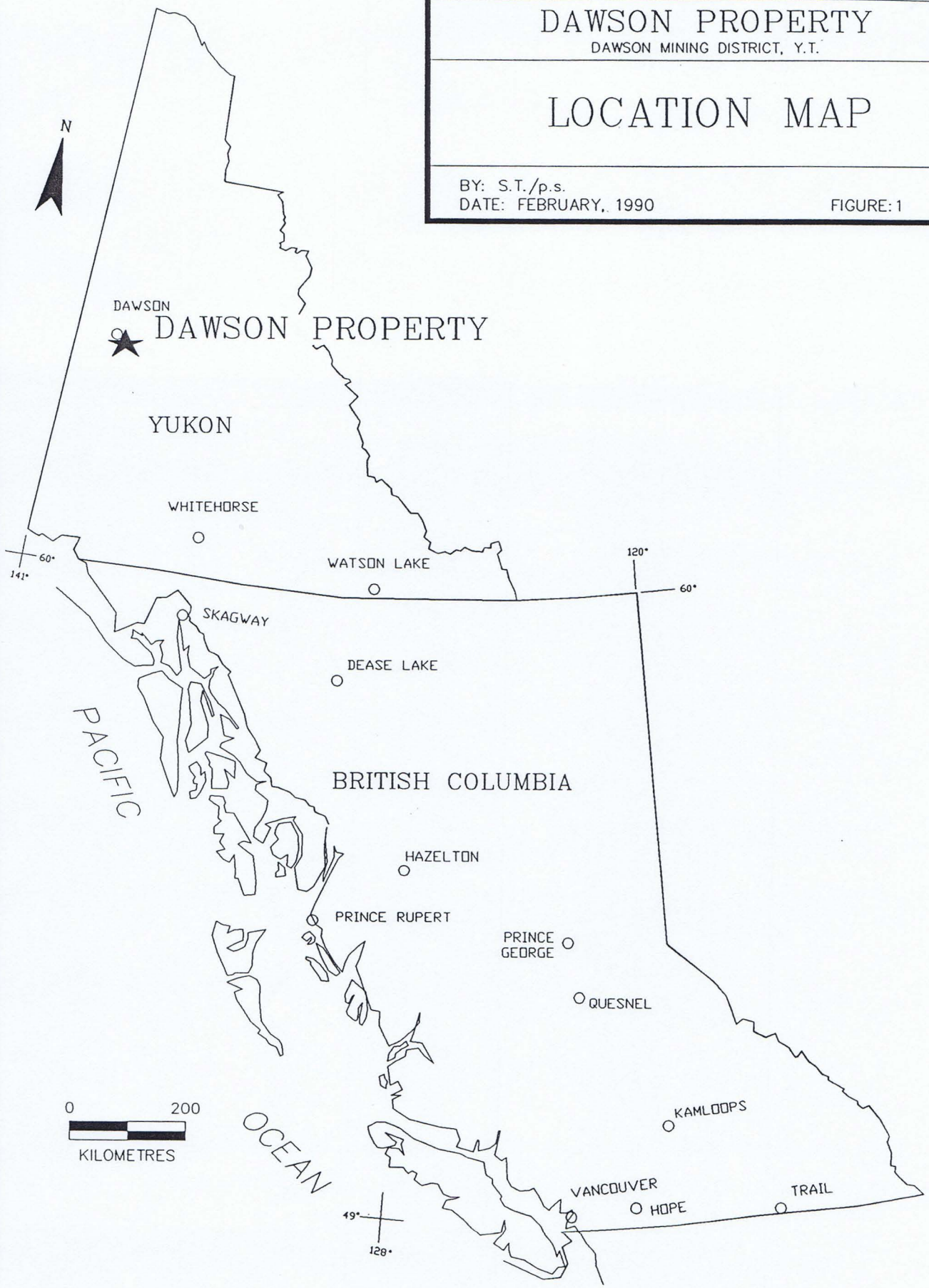
DAWSON PROPERTY

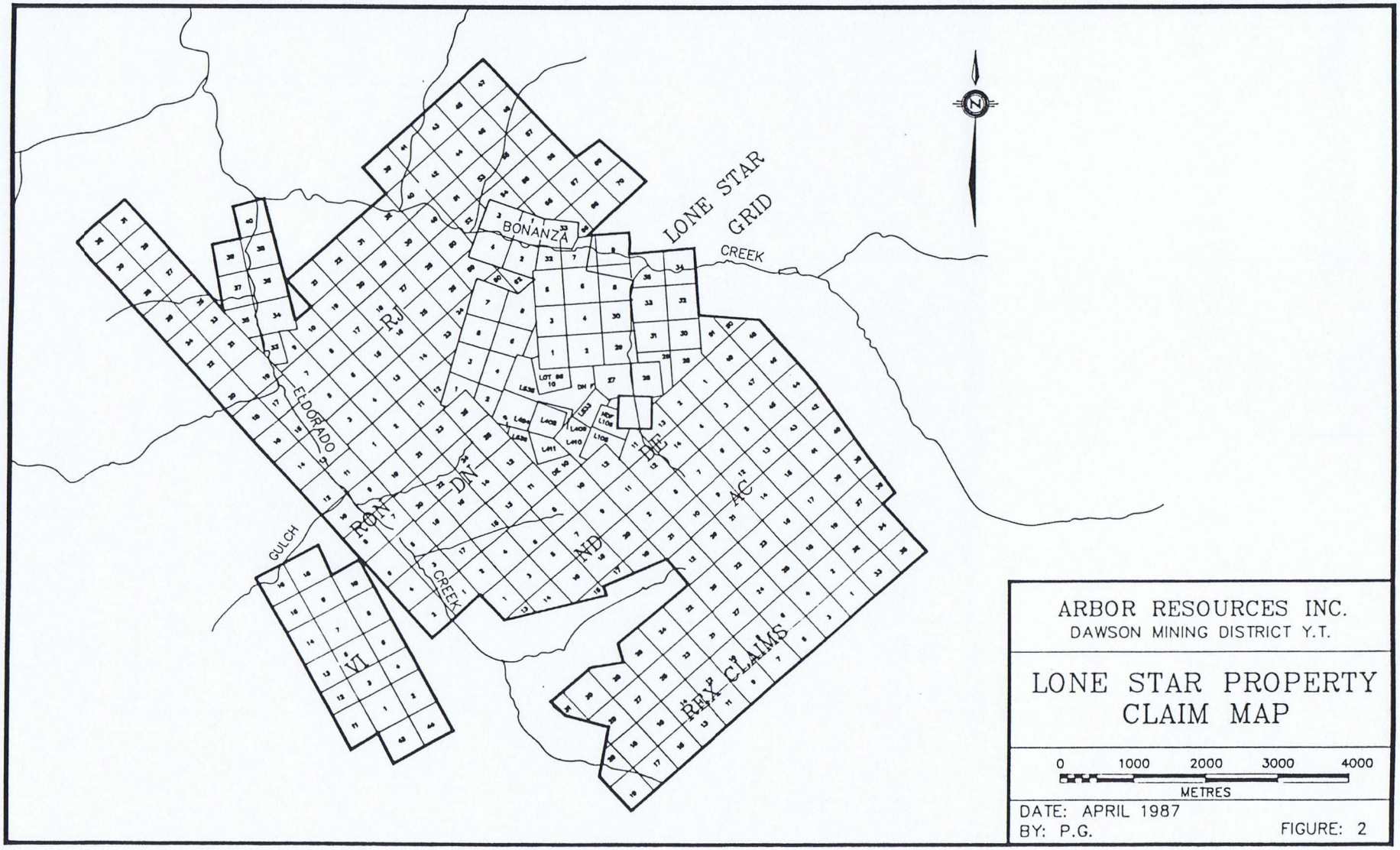
DAWSON MINING DISTRICT, Y.T.

LOCATION MAP

BY: S.T./p.s.
DATE: FEBRUARY, 1990

FIGURE: 1





ARBOR RESOURCES INC.
DAWSON MINING DISTRICT Y.T.

LONE STAR PROPERTY CLAIM MAP

0 1000 2000 3000 4000
METRES

DATE: APRIL 1987
BY: P.G.
FIGURE: 2

Prepared By RWR MINERAL GRAPHICS LTD.

1.2 PHYSIOGRAPHY AND CLIMATE

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

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

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

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

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

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

1.3 CLAIM INFORMATION

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

TABLE I - CLAIM STATUS

CLAIMS	GRANT NUMBERS	ANNIVERSARY
AC 1-10	YA64270-YA64279	DECEMBER 31
AC 11	YA64281	DECEMBER 31
AC 12-35	YA65627-YA65650	DECEMBER 31
ARGYLE	LOT 223	CROWN GRANT
CATO	LOT 535	CROWN GRANT
CIM 1-4	YA64519-YA64522	DECEMBER 31
DE 1-14	YA55250-YA55263	DECEMBER 31
DN 1-2	YA32783-YA32784	DECEMBER 31
DN 3-9	YA47890-YA47896	DECEMBER 31
DN 10	YA47082	DECEMBER 31
DN 11-26	YA32946-YA32961	DECEMBER 31
DN 27-31	YA47083-YA47087	DECEMBER 31
DN 32-33	YA47604-YA47605	DECEMBER 31
DN F	YA47088	DECEMBER 31
DN 1F-2F	YA47090-YA47091	DECEMBER 31
ESTER EDNA	LOT 106	CROWN GRANT
LONE STAR	LOT 410	CROWN GRANT
ND 1-22	YA49724-YA49745	DECEMBER 31
ND F	YA47089	DECEMBER 31
NEW BONANZA	LOT 408	CROWN GRANT
NEW BONANZA NO.2	LOT 424	CROWN GRANT
NIOBE FRACTION	LOT 409	CROWN GRANT
PORPHYRY LODE	LOT 104	CROWN GRANT
REX 1-51	YA84183-YA84233	DECEMBER 31
RJ 1-32	YA64126-YA64247	DECEMBER 31
RJ 39-60	YA65595-YA65616	DECEMBER 31
RJ 62-63	YA65618-YA65619	DECEMBER 31

CLAIMS	GRANT NUMBERS	ANNIVERSARY
RJ 65-70	YA65621-YA65626	DECEMBER 31
RON 1-40	YA10300-YA10339	DECEMBER 31
SWASTIKA	LOT 533	CROWN GRANT
THISTLE	LOT 536	CROWN GRANT
UDAS	LOT 534	CROWN GRANT
VI 1-15	YA55285-YA55299	DECEMBER 31
VI 16	YA65523	DECEMBER 31
VI 18	YA65525	DECEMBER 31
VI 43-44	YA65550-YA65551	DECEMBER 31
VICTORIA	LOT 86	CROWN GRANT
YANKEE GIRL	LOT 105	CROWN GRANT
ZULU CHIEF	LOT 411	CROWN GRANT

1.4 HISTORY AND PREVIOUS PRODUCTION

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

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

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

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

1.5 PREVIOUS WORK

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

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

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

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

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

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

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

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

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

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

In 1990, 35.9 1km of Induced Polarization and Resistivity surveying was carried out, and 308 soil samples taken. Subsequently, 40 bulldozer or excavator trenches with 629 rock chip samples and 45 reverse circulation rotary drill holes totalling 2,796 m, with 1,835 samples analyzed.

1.6 WORK COMPLETED IN 1991

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

(1) geological and recconaisance mapping.
(2) 231 soil samples and 44 rock chip samples were taken.
(3) 13 excavator trenches with an additional 15 soil and 76 rock chip samples

2. GEOLOGY

2.1 REGIONAL GEOLOGY

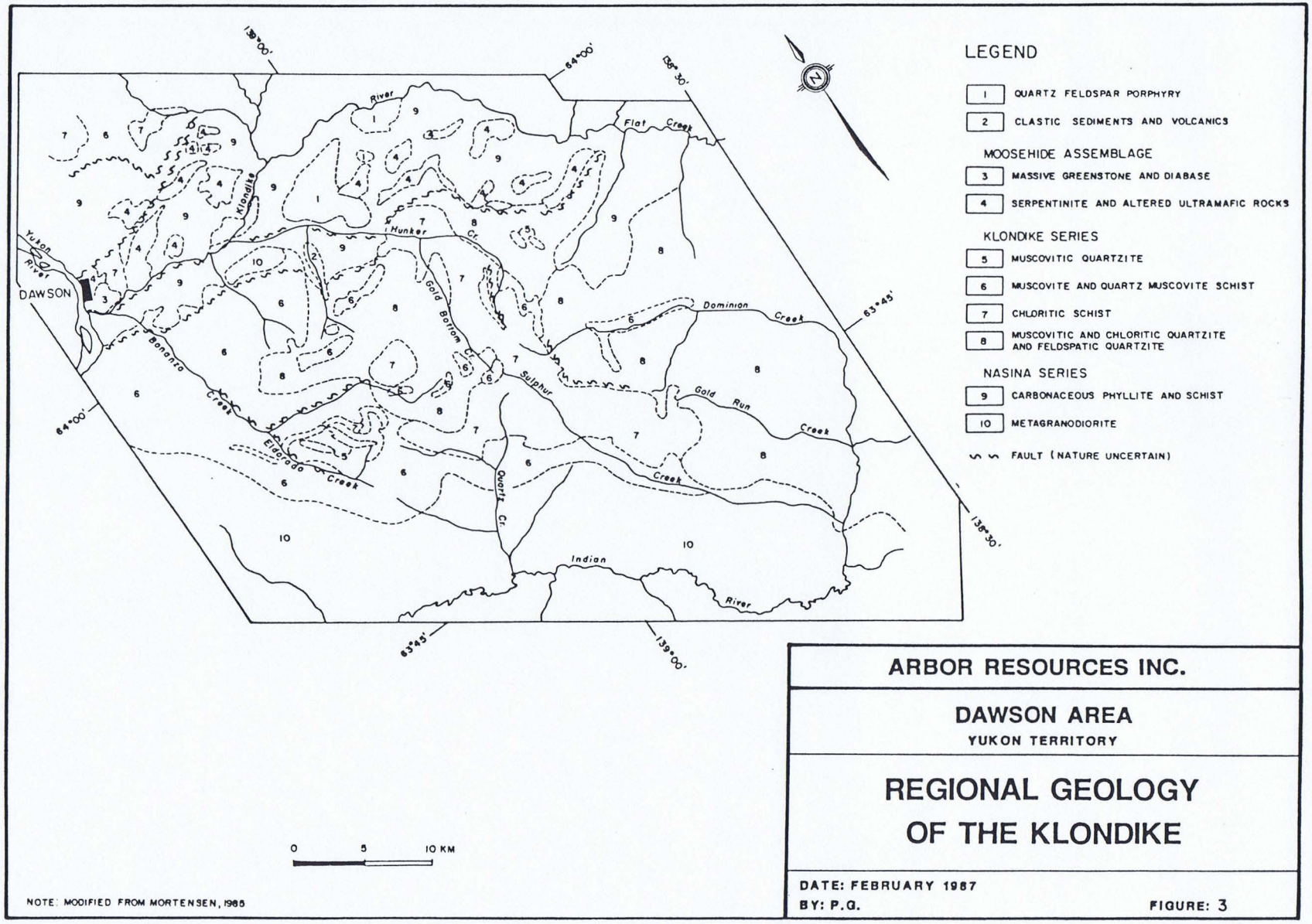
Bedrock exposures amount to less than one percent of the area and are generally confined to gulches, recent landslide areas, and road cuts. The Klondike district was first mapped by Bostock (1942), followed by Green and Roddick (1961), Metcalfe (1981), and Debicki (1984 and 1985), and most recently by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

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

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

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

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



ARBOR RESOURCES INC.

DAWSON AREA
YUKON TERRITORY

REGIONAL GEOLOGY OF THE KLONDIKE

DATE: FEBRUARY 1987
BY: P.G.
FIGURE: 3

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

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

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

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

2.2 PROPERTY GEOLOGY

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

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

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

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

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

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

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

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

2.3 ECONOMIC GEOLOGY

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

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

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

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

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

3. GEOCHEMISTRY

3.1 SOIL SAMPLING

In 1991, 231 soil samples were taken, as shown in Figure 4. Samples were taken on 10 to 50 metre intervals, depending on the detail required. The distribution of the samples is shown in Table II below.

TABLE II - SOIL SAMPLE DISTRIBUTION

AREA	SAMPLE NUMBERS		SPACING	NO.
Lone Star showing	DW	050S - 800N	50/25m	24
	LS1	000W - 900W	25/10m	61
	11PUP	SS	-	1
	11PUP	000N - 050N	10m	6
	91SSL7	000S - 400S	10m	40
Gay Gulch	89TR04	000E - 150E	25m	8
French Gulch	FG9E	500S - 900S	25/12m	21
	FB2	1 - 4	25m	4
	FG735S	075E - 210E	15m	10
Eldorado Creek	E1W	1000S - 1350S	25m	15
	E150E	1250S - 1575S	25m	14
	ELDO2E	1500S - 1600S	25m	5
Glacier Gulch	LS28W		-	1
	LS29W	800S - 975S	25m	8
	LS30W	900S - 975S	25m	5
	LS32W	1000S	-	1
	LS34W	1050S - 1100S	25m	3
	LS34W	1225S - 1275S	25m	3

The 'B' level soil horizon, from depths of 10 - 40 cm, was sampled. The samples were sent to Chemex Labs Ltd in North Vancouver. There they were oven dried and sieved to -80 mesh; the coarse fraction was then discarded and the fine fraction pulverised for analysis. Gold was analyzed using the Fire Assay -Atomic Absorption (FA-AA) method, with additional elements analyzed using the Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES) technique. The analysis results are listed in Appendix I.

Two areas returned anomalous gold soil sample results. Thirteen samples from line 91SSL7W near the Lone Star showing had values between 100 and 240 ppb. Two samples near Glacier Gulch also had anomalous values: LS29W 925S had 120 ppb and LS30W 925SA had 4930 ppb. The Lone Star anomaly is probably related to a stratabound disseminated gold deposit or cross-cutting high grade quartz veins or shear zones, while the Glacier Gulch anomaly is probably due to shear or vein mineralization.

3.2 ROCK CHIP SAMPLING

In 1991, 44 rock chip samples were taken, as shown in Figures 4, 5, 6, and 7. Samples were taken from float, outcrop, or old trenches that were geologically significant. The distribution of the samples is shown in Table III below.

TABLE III - ROCK CHIP SAMPLE DISTRIBUTION

LOCATION	SAMPLE NUMBERS	NO.
Lone Star showing	39943-944	2
Gay Gulch	39976-979	4
27 Pup	39879-885	7
	39893-895	3
	39912-916	5
	39959-968	10
	39971-973	3
Little Eldorado Ck	39890-891	2
	39917-922	6
Eldorado Ck	39969-970	2

The rock chip samples were either taken selectively from specific geological features (such as veins or shears) or were grabbed over a length of 1 - 2 m. The samples were sent to Chemex Labs Ltd in North Vancouver. There they were oven dried and sieved to -80 mesh; the coarse fraction was then discarded and the fine fraction pulverised for analysis. Gold was analyzed using the Fire Assay - Atomic Absorption (FA-AA) method, with additional elements analyzed using the Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES) technique. Analysis results are listed in Appendix II.

Several samples were anomalous in gold, and these are listed below in Table IV. One anomally is due to a shear, but all the other samples are from mineralized schist, mostly sericite schist.

TABLE IV - ROCK CHIP SAMPLES > 100 ppb

SAMPLE	TYPE	LITHOLOGY	VALUE
39879	1.5m grab	shear	210
39895	1.5m grab	sericite schist	145
39917	1.5m grab	quartz sericite schist	175
39918	1.6m grab	quartz sericite schist	275
39922	1m grab	quartz sericite schist	260
39943	float	siliceous sericite schist	230
39944	float	siliceous schist	195
39961	1m grab	siliceous schist	130
39964	1m grab	sericite schist	100
39965	1m grab	sericite schist	135
39973	2m grab	sericite schist	110

5. TRENCHING

A total of 13 trenches were excavated on the property for hard rock purposes, as shown in Figures 4, 5, 6, and 7. They were made using a Caterpillar 245 (91TR01-91TR05) or a Bantam (equivalent to a Cat 235) excavator. The trenches were excavated to search for quartz veins and shear zones. Listed below in Table IV are the trenches, their location, their length, width, and depth in metres, and the number and type of samples taken.

TABLE V - TRENCHING DATA

TRENCH	LOCATION	DIMENSIONS	SAMPLES
91TR01	27 Pup	130x2x4	11 rock
91TR02	27 Pup	30x3x4	2 rock
91TR03	Little Eldorado Ck	215x2x3	8 rock
91TR04	27 Pup	15x4x4	3 rock
91TR05	27 Pup	30x2x4	2 rock
91TR14	27 Pup	30x1x1	none
91TR15	Little Eldorado Ck	20x1x3	4 rock
91TR16	27 Pup	65x1x2	7 rock
91TR17	27 Pup	70x1x2	9 rock
91TR18	27 Pup	35x1x2	8 rock
91TR19	Gay Gulch	70x1x2	7 soil
91TR20	Gay Gulch	60x1x3	22 rock
91TR21	Gay Gulch	95x1x1	8 soil

The sampling method varied from one trench to another: most trenches were selectively sampled at quartz veins or shear zones; trenches 19 and 21 did not reach bedrock due to permafrost and were soil sampled; and trench 14 also had permafrost and was not sampled. The samples were then sent to Chemex Labs, where they were processed using the same techniques as described in the soil and rock chip sampling sections. The analysis results are given in Appendix III.

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

TABLE VI - TRENCH SAMPLES > 100 ppb

SAMPLE	TYPE	LITHOLOGY	VALUE
91TR01-020	select	shear	0.004 opt
91TR01-065	select	quartz vein	0.008 opt
91TR01-085	select	shear	0.006 opt
91TR01-130	select	rhyolite	0.004 opt
91TR02-005	select	shear	0.006 opt
91TR16-030	2m grab	shear	125 ppb
91TR17-021	2m grab	silica schist	160 ppb
91TR17-026	2m grab	silica schist	825 ppb
91TR17-028	2m grab	sericite schist	365 ppb
91TR17-032	1.8m grab	sericite schist	415 ppb
91TR17-055	2m grab	graphitic shear	150 ppb
91TR18-005	0.8m grab	shear	6140 ppb
91TR18-008	1.8m grab	shear	2450 ppb
91TR18-016	1.5m grab	silica schist	445 ppb
91TR18-019	2m grab	silica schist	100 ppb
91TR18-025	1.8m grab	silica schist	110 ppb
91TR19 012E	soil		110 ppb
91TR20 10-12	2m grab	muscovite schist	1280 ppb
91TR20 12-13	1m grab	shear	2310 ppb
91TR20 13-14	1m grab	shear	2860 ppb
91TR20 14-16	2m grab	sericite schist	475 ppb
91TR20 16-18	2m grab	sericite schist	160 ppb
91TR21 000W	soil		115 ppb
91TR21 010W	soil		810 ppb
91TR21 020W	soil		305 ppb
91TR21 040W	soil		185 ppb

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

INSERT FIG 5

insert fig 6

7. CONCLUSIONS

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

Geological mapping indicates that the sericite schist is a sub-unit of the quartz muscovite schist which may preferentially host gold. Shear zones and mesothermal quartz veins cutting this unit may be enriched with gold.

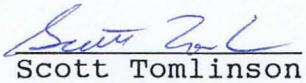
Soil sampling program indicates that the Lone Star mineralization may extend at least 1.5 km to the southeast from the main showing. The rock chip sapling from the Gay Gulch and 27 Pup areas suggest that similar mineralization is extensive on the Eldorado Creek side.

Trenching confirms the significance of the sericite schist and cross-cutting shears and quartz veins.

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

Work in 1992 should concentrate on extending the mineralized horizon delineated at the Lone Star. Specifically, a series of fences of rotary drill holes should be pattern drilled to the east between the area of the 1990 holes and Victoria Gulch. These widely spaced holes would indicate whether there is the potential for a large tonnage deposit. If the results are encouraging, infill drilling would be the next stage. A smaller drill program between Gay and Oro Grande Gulches is a secondary priority.

Respectfully submitted;



Scott Tomlinson

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9. STATEMENT OF PROFESSIONAL QUALIFICATIONS

SCOTT TOMLINSON, B.Sc.

ACADEMIC

1983
UNIVERSITY OF BRITISH COLUMBIA
B.Sc. IN GEOLOGY

PROFESSIONAL

AUGUST 1990 - JUNE 1992
HASTINGS MANAGEMENT
PROJECT GEOLOGIST
Responsible for regional and detailed exploration programs, including rotary drilling, in Dawson, Yukon.

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

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

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

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

Scott Tomlinson

10. COST STATEMENT

Geologist (Art Troup): 12 days @ $350/day	4200
Geologist (Phil Van Angeren): 32 days @ $250/day	8000
Geologist (Scott Tomlinson): 53 days @ $200/day	10600
Report Preparation	2000
Room and Board: 97 mdays @ $40/mday	3880
Travel	3000
Vehicle Rental: 60 days @ $55/day	3300
Gas and Maintenance	1100
Assaying: 366 samples @ $17	6222
Miscellaneous expenses	493
Drafting	200
Caterpillar 245 excavator Rental: 21 hrs @ $200	4200
Bantam excavator Rental: 43 hrs @ $135	5805
TOTAL	$53000

APPENDIX I

SOIL SAMPLES CERTIFICATES OF ANALYSES

Chemex Labs Ltd.

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

To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LONE STAR EAST
Comments: CC: SCOTT TOMLINSON

Certificate Date: 12-SEP-91
Invoice No. :I9121162
P.O. Number :

CERTIFICATE OF ANALYSIS A9121162

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
LS1 0+00W	201	298	< 5	< 0.2	1.56	10	240	< 0.5	< 2	0.18	< 0.5	4	31	19	2.14	< 10	< 1	0.10	20	0.58	235
LS1 0+25W	201	298	< 5	< 0.2	1.70	25	260	< 0.5	6	0.13	< 0.5	5	31	18	2.35	< 10	< 1	0.11	20	0.67	235
LS1 0+50W	201	298	< 5	< 0.2	1.77	25	950	< 0.5	< 2	0.21	< 0.5	5	26	23	2.35	< 10	< 1	0.12	40	0.55	275
LS1 0+75W	201	298	< 5	< 0.2	1.17	20	330	< 0.5	4	0.12	< 0.5	6	15	18	1.75	< 10	3	0.16	40	0.59	390
LS1 1+00W	201	298	< 5	0.2	1.38	15	450	< 0.5	< 2	0.19	< 0.5	4	16	26	2.15	< 10	< 1	0.39	40	0.73	395
LS1 1+25W	201	298	< 5	0.2	1.42	25	280	< 0.5	< 2	0.11	< 0.5	5	22	17	1.92	< 10	< 1	0.13	30	0.60	235
LS1 1+50W	201	298	< 5	< 0.2	1.80	30	650	< 0.5	< 2	0.29	< 0.5	6	32	31	2.71	< 10	1	0.09	30	0.71	380
LS1 1+75W	201	298	15	< 0.2	1.18	5	220	< 0.5	< 2	0.08	< 0.5	2	21	15	1.77	< 10	< 1	0.13	30	0.25	115
LS1 2+00W	201	298	< 5	0.2	1.09	30	220	< 0.5	< 2	0.11	< 0.5	5	12	15	1.68	< 10	< 1	0.19	50	0.65	385
LS1 2+10W	201	298	< 5	< 0.2	1.32	5	520	< 0.5	4	0.23	< 0.5	4	17	26	2.13	< 10	< 1	0.18	40	0.86	330
LS1 2+20W	201	298	< 5	< 0.2	1.60	25	350	< 0.5	< 2	0.18	< 0.5	6	24	19	2.11	< 10	< 1	0.19	40	0.72	330
LS1 2+30W	201	298	< 5	0.2	1.35	5	510	< 0.5	< 2	0.29	< 0.5	7	22	31	2.16	< 10	< 1	0.22	40	0.94	495
LS1 2+40W	201	298	< 5	0.6	0.81	5	330	< 0.5	2	0.18	0.5	6	10	31	1.29	< 10	< 1	0.17	70	0.37	665
LS1 2+50W	201	298	5	0.2	1.31	5	370	< 0.5	< 2	0.27	< 0.5	5	17	27	1.99	< 10	1	0.46	20	0.95	425
LS1 2+60W	201	298	< 5	< 0.2	1.69	20	370	< 0.5	< 2	0.20	< 0.5	6	32	26	2.47	< 10	< 1	0.10	20	0.71	325
LS1 2+70W	201	298	< 5	< 0.2	1.57	15	270	< 0.5	< 2	0.16	< 0.5	5	30	19	2.20	< 10	< 1	0.08	20	0.66	215
LS1 2+80W	201	298	< 5	0.6	0.76	5	420	< 0.5	2	0.12	< 0.5	5	11	55	1.51	< 10	< 1	0.15	30	0.32	535
LS1 2+90W	201	298	< 5	< 0.2	1.14	20	460	< 0.5	4	0.22	< 0.5	7	17	29	2.00	< 10	< 1	0.47	20	0.80	425
LS1 3+00W	201	298	< 5	< 0.2	1.63	25	370	< 0.5	< 2	0.21	< 0.5	6	29	25	2.47	< 10	< 1	0.08	20	0.72	295
LS1 3+10W	201	298	< 5	< 0.2	2.16	25	730	< 0.5	< 2	0.30	< 0.5	9	39	30	2.99	< 10	< 1	0.10	20	0.80	410
LS1 3+20W	201	298	< 5	< 0.2	1.55	25	510	< 0.5	< 2	0.26	< 0.5	7	25	27	2.35	< 10	< 1	0.14	40	0.64	375
LS1 3+30W	201	298	< 5	< 0.2	1.37	< 5	580	< 0.5	< 2	0.26	< 0.5	6	25	22	2.21	< 10	1	0.11	30	0.53	275
LS1 3+40W	201	298	< 5	0.2	0.67	15	260	< 0.5	2	0.11	< 0.5	2	10	15	1.08	< 10	1	0.14	60	0.29	225
LS1 3+50W	201	298	< 5	< 0.2	1.56	15	300	< 0.5	2	0.15	< 0.5	3	27	16	2.03	< 10	3	0.13	30	0.49	190
LS1 3+60W	201	298	< 5	< 0.2	0.82	10	390	< 0.5	< 2	0.10	< 0.5	4	9	26	1.57	< 10	2	0.17	50	0.41	275
LS1 3+70W	201	298	< 5	0.4	1.45	30	350	< 0.5	< 2	0.11	< 0.5	2	6	40	2.86	< 10	< 1	0.22	20	1.35	360
LS1 3+80W	201	298	< 5	< 0.2	0.79	5	350	< 0.5	8	0.08	< 0.5	6	9	18	1.24	< 10	< 1	0.16	50	0.43	340
LS1 3+90W	201	298	< 5	0.2	1.68	20	360	< 0.5	< 2	0.13	< 0.5	1	14	99	3.53	< 10	1	0.17	20	1.61	450
LS1 4+00W	201	298	< 5	0.2	1.45	35	430	< 0.5	2	0.09	< 0.5	6	8	103	3.57	< 10	2	0.10	10	1.10	420
LS1 4+10W	201	298	< 5	< 0.2	1.15	35	350	< 0.5	< 2	0.07	< 0.5	8	8	87	4.02	< 10	< 1	0.06	< 10	0.56	240
LS1 4+20W	201	298	< 5	< 0.2	1.28	25	420	< 0.5	< 2	0.16	< 0.5	5	22	40	2.39	< 10	2	0.08	10	0.66	265
LS1 4+30W	201	298	< 5	0.2	1.14	15	310	< 0.5	6	0.11	< 0.5	5	13	73	2.19	< 10	< 1	0.11	30	0.61	205
LS1 4+40W	201	298	< 5	0.2	1.99	25	320	< 0.5	< 2	0.10	< 0.5	2	24	76	3.20	< 10	< 1	0.11	20	1.64	435
LS1 4+50W	201	298	< 5	0.6	2.00	20	270	< 0.5	< 2	0.10	< 0.5	13	43	142	4.04	< 10	1	0.09	10	1.79	430
LS1 4+60W	201	298	< 5	0.4	0.56	15	220	< 0.5	2	0.02	< 0.5	< 1	8	34	1.70	< 10	< 1	0.08	20	0.40	80
LS1 4+70W	201	298	< 5	0.2	0.52	5	350	< 0.5	< 2	0.01	< 0.5	< 1	5	21	1.08	< 10	< 1	0.08	30	0.35	55
LS1 4+80W	201	298	< 5	0.2	0.84	5	340	< 0.5	< 2	0.03	< 0.5	2	12	26	1.96	< 10	2	0.11	20	0.42	105
LS1 4+90W	201	298	< 5	< 0.2	1.47	5	270	< 0.5	< 2	0.06	< 0.5	2	21	16	1.80	< 10	< 1	0.12	30	0.49	135
LS1 5+00W	201	298	< 5	< 0.2	1.70	5	540	< 0.5	8	0.20	< 0.5	7	32	29	2.44	< 10	< 1	0.11	20	0.57	285
LS1 5+10W	201	298	< 5	0.8	0.89	20	220	< 0.5	< 2	0.03	< 0.5	1	13	41	3.34	< 10	< 1	0.11	20	0.58	120

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LONE STAR EAST
Comments: CC: SCOTT TOMLINSON

Certificate Date: 12-SEP-91
Invoice No. :I9121162
P.O. Number :

CERTIFICATE OF ANALYSIS A9121162

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
LS1 0+00W	201	298	< 1	0.01	11	670	12	< 5	2	16	0.04	< 10	< 10	41	< 10	46
LS1 0+25W	201	298	< 1	0.01	11	390	16	< 5	3	14	0.04	< 10	< 10	42	< 10	48
LS1 0+50W	201	298	< 1	0.01	15	470	12	< 5	6	24	0.05	< 10	< 10	42	< 10	44
LS1 0+75W	201	298	< 1	0.01	9	360	22	< 5	4	12	0.03	< 10	< 10	20	< 10	48
LS1 1+00W	201	298	< 1	0.01	8	520	16	< 5	3	21	0.06	< 10	< 10	17	< 10	78
LS1 1+25W	201	298	< 1	0.01	9	350	10	< 5	3	12	0.04	< 10	< 10	29	< 10	44
LS1 1+50W	201	298	< 1	0.01	18	500	10	< 5	5	28	0.05	< 10	< 10	47	< 10	58
LS1 1+75W	201	298	< 1	0.01	6	1200	12	< 5	2	10	0.02	< 10	< 10	31	< 10	18
LS1 2+00W	201	298	< 1	< 0.01	5	520	30	5	3	12	0.02	< 10	< 10	12	< 10	56
LS1 2+10W	201	298	< 1	0.01	11	520	12	< 5	4	24	0.02	< 10	< 10	15	< 10	74
LS1 2+20W	201	298	< 1	0.01	9	510	20	< 5	3	20	0.05	< 10	< 10	33	< 10	56
LS1 2+30W	201	298	1	0.01	22	890	14	< 5	3	26	0.03	< 10	< 10	19	< 10	74
LS1 2+40W	201	298	2	< 0.01	9	520	84	< 5	2	16	< 0.01	< 10	< 10	8	< 10	96
LS1 2+50W	201	298	< 1	0.01	16	700	18	< 5	3	27	0.09	< 10	< 10	17	< 10	82
LS1 2+60W	201	298	< 1	0.01	18	530	8	< 5	4	20	0.05	< 10	< 10	44	< 10	52
LS1 2+70W	201	298	< 1	0.01	12	490	6	< 5	3	16	0.04	< 10	< 10	39	< 10	44
LS1 2+80W	201	298	< 1	0.01	9	440	60	< 5	2	13	0.01	< 10	< 10	12	< 10	100
LS1 2+90W	201	298	< 1	0.01	14	670	30	< 5	3	23	0.07	< 10	< 10	17	< 10	84
LS1 3+00W	201	298	1	0.01	17	390	14	< 5	4	20	0.06	< 10	< 10	43	< 10	60
LS1 3+10W	201	298	1	0.01	19	560	16	< 5	6	30	0.06	< 10	< 10	54	< 10	76
LS1 3+20W	201	298	< 1	0.01	15	570	18	< 5	5	26	0.04	< 10	< 10	35	< 10	76
LS1 3+30W	201	298	< 1	0.01	16	510	8	< 5	4	26	0.06	< 10	< 10	40	< 10	50
LS1 3+40W	201	298	< 1	0.01	4	270	46	< 5	1	14	0.01	< 10	< 10	10	< 10	62
LS1 3+50W	201	298	< 1	0.01	9	350	16	< 5	3	17	0.06	< 10	< 10	40	< 10	40
LS1 3+60W	201	298	< 1	0.01	5	340	100	< 5	2	18	0.01	< 10	< 10	10	< 10	148
LS1 3+70W	201	298	1	0.01	4	340	344	< 5	1	72	0.01	< 10	< 10	7	< 10	416
LS1 3+80W	201	298	< 1	0.01	6	270	64	< 5	2	12	0.01	< 10	< 10	9	< 10	142
LS1 3+90W	201	298	2	0.01	10	410	380	< 5	3	76	0.02	< 10	< 10	22	< 10	442
LS1 4+00W	201	298	4	0.02	5	530	260	< 5	2	105	< 0.01	< 10	< 10	10	< 10	402
LS1 4+10W	201	298	3	0.01	4	500	182	< 5	3	20	< 0.01	< 10	10	8	< 10	622
LS1 4+20W	201	298	1	0.01	11	450	100	< 5	3	34	0.04	< 10	< 10	32	< 10	114
LS1 4+30W	201	298	4	0.01	8	310	314	< 5	2	38	0.02	< 10	< 10	19	< 10	160
LS1 4+40W	201	298	3	0.01	7	420	260	< 5	2	49	0.02	< 10	< 10	22	< 10	328
LS1 4+50W	201	298	2	0.02	17	380	350	< 5	3	33	0.01	< 10	10	21	< 10	416
LS1 4+60W	201	298	2	0.01	3	320	146	< 5	1	29	< 0.01	< 10	< 10	5	< 10	62
LS1 4+70W	201	298	1	0.01	1	220	24	< 5	< 1	16	< 0.01	< 10	< 10	4	< 10	32
LS1 4+80W	201	298	< 1	0.01	4	330	242	< 5	1	28	0.01	< 10	< 10	14	< 10	58
LS1 4+90W	201	298	< 1	0.01	6	340	56	< 5	2	13	0.03	< 10	< 10	28	< 10	52
LS1 5+00W	201	298	1	0.01	18	370	48	5	4	24	0.07	< 10	< 10	44	< 10	64
LS1 5+10W	201	298	2	0.02	3	360	480	< 5	1	19	0.01	< 10	< 10	11	< 10	102

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LONE STAR EAST
Comments: CC: SCOTT TOMLINSON

Certificate Date: 12-SEP-91
Invoice No. :I9121162
P.O. Number :

CERTIFICATE OF ANALYSIS A9121162

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
LS1 5+20W	201	298	< 5	< 0.2	1.54	< 5	340	< 0.5	< 2	0.11	< 0.5	7	25	33	2.32	< 10	< 1	0.08	20	0.63	260
LS1 5+30W	201	298	< 5	0.4	1.03	10	240	< 0.5	< 2	0.09	< 0.5	5	11	38	1.83	< 10	2	0.12	20	0.65	200
LS1 5+40W	201	298	< 5	0.4	1.20	5	250	< 0.5	< 2	0.09	< 0.5	5	11	21	1.85	< 10	< 1	0.12	30	0.80	205
LS1 5+50W	201	298	< 5	0.4	1.39	10	350	< 0.5	< 2	0.13	< 0.5	5	20	28	2.05	< 10	2	0.13	30	0.82	235
LS1 5+60W	201	298	< 5	< 0.2	1.44	10	360	< 0.5	< 2	0.09	< 0.5	4	18	35	2.31	< 10	1	0.12	20	0.92	295
LS1 5+70W	201	298	< 5	0.6	1.59	5	280	< 0.5	< 2	0.10	< 0.5	4	22	53	3.72	< 10	1	0.07	10	1.44	370
LS1 5+80W	201	298	< 5	0.6	2.03	25	310	< 0.5	< 2	0.27	< 0.5	5	31	70	3.77	< 10	< 1	0.07	20	1.41	375
LS1 5+90W	201	298	< 5	0.6	1.21	< 5	290	< 0.5	< 2	0.24	< 0.5	4	13	40	2.11	< 10	< 1	0.10	40	0.84	250
LS1 6+00W	201	298	< 5	0.4	2.94	5	300	< 0.5	< 2	0.21	< 0.5	10	63	109	4.67	< 10	< 1	0.06	10	2.82	660
LS1 6+25W	201	298	< 5	0.2	3.15	10	570	< 0.5	< 2	0.21	< 0.5	13	48	45	3.77	< 10	< 1	0.14	30	0.78	475
LS1 6+50W	201	298	< 5	< 0.2	2.67	5	390	< 0.5	< 2	0.19	< 0.5	10	41	32	3.40	< 10	< 1	0.12	20	0.91	355
LS1 6+75W	201	298	< 5	0.2	2.15	15	510	< 0.5	< 2	0.18	< 0.5	7	32	23	2.64	10	< 1	0.12	30	0.60	335
LS1 7+00W	201	298	< 5	< 0.2	1.42	10	370	< 0.5	< 2	0.07	< 0.5	6	16	24	1.89	10	< 1	0.19	60	0.41	190
LS1 7+25W	201	298	< 5	< 0.2	2.55	30	350	< 0.5	6	0.15	< 0.5	8	38	24	3.05	< 10	1	0.13	30	0.65	265
LS1 7+50W	201	298	< 5	< 0.2	2.20	25	500	< 0.5	< 2	0.15	< 0.5	9	32	27	2.74	< 10	< 1	0.11	30	0.65	330
LS1 7+75W	201	298	< 5	< 0.2	2.11	5	350	< 0.5	< 2	0.12	< 0.5	6	29	12	2.68	< 10	< 1	0.08	20	0.36	160
LS1 8+00W	201	298	< 5	< 0.2	1.76	5	220	< 0.5	< 2	0.11	< 0.5	7	26	14	2.32	< 10	< 1	0.09	20	0.43	160
LS1 8+25W	201	298	< 5	< 0.2	1.27	< 5	210	< 0.5	4	0.07	< 0.5	4	17	14	1.52	< 10	< 1	0.14	40	0.42	175
LS1 8+50W	201	298	< 5	< 0.2	2.31	20	160	< 0.5	< 2	0.07	< 0.5	5	24	54	3.05	< 10	< 1	0.11	20	1.44	360
LS1 8+75W	201	298	< 5	< 0.2	2.42	< 5	220	< 0.5	6	0.17	< 0.5	6	36	30	2.89	< 10	2	0.10	20	1.30	350
LS1 9+00W	201	298	< 5	< 0.2	2.30	15	240	< 0.5	< 2	0.19	< 0.5	7	37	34	2.92	< 10	< 1	0.10	20	0.99	300

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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PHONE: 604-984-0221

To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LONE STAR EAST
Comments: CC: SCOTT TOMLINSON

Certificate Date: 12-SEP-91
Invoice No. :I9121162
P.O. Number :

CERTIFICATE OF ANALYSIS A9121162

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
LS1 5+20W	201	298	< 1	0.01	13	190	92	< 5	4	14	0.05	< 10	< 10	36	< 10	78
LS1 5+30W	201	298	1	0.01	8	370	194	< 5	2	22	0.03	< 10	< 10	17	< 10	108
LS1 5+40W	201	298	< 1	< 0.01	5	340	88	< 5	1	18	0.02	< 10	< 10	12	< 10	118
LS1 5+50W	201	298	< 1	0.01	11	340	80	< 5	3	16	0.02	< 10	< 10	20	< 10	138
LS1 5+60W	201	298	< 1	0.01	11	280	128	< 5	2	22	0.02	< 10	< 10	20	< 10	144
LS1 5+70W	201	298	3	0.01	8	460	448	< 5	3	25	0.04	< 10	< 10	29	< 10	224
LS1 5+80W	201	298	1	0.01	15	370	228	< 5	4	26	0.05	< 10	< 10	38	< 10	174
LS1 5+90W	201	298	3	0.01	7	460	110	< 5	2	25	0.02	< 10	< 10	15	< 10	154
LS1 6+00W	201	298	1	< 0.01	26	340	166	< 5	6	18	0.07	< 10	< 10	39	< 10	396
LS1 6+25W	201	298	1	0.01	24	440	34	< 5	9	24	0.11	< 10	< 10	77	< 10	92
LS1 6+50W	201	298	1	0.01	18	280	58	< 5	5	21	0.09	< 10	< 10	66	< 10	102
LS1 6+75W	201	298	1	0.01	16	290	32	< 5	6	19	0.07	< 10	< 10	56	< 10	54
LS1 7+00W	201	298	< 1	0.01	9	250	94	< 5	3	10	0.02	< 10	< 10	23	< 10	80
LS1 7+25W	201	298	1	0.01	19	210	40	< 5	5	18	0.09	< 10	< 10	60	< 10	66
LS1 7+50W	201	298	1	0.01	17	200	28	< 5	6	18	0.07	< 10	< 10	52	< 10	58
LS1 7+75W	201	298	< 1	0.01	12	240	38	< 5	3	13	0.08	< 10	< 10	63	< 10	36
LS1 8+00W	201	298	< 1	0.01	12	170	26	< 5	2	12	0.07	< 10	< 10	48	< 10	36
LS1 8+25W	201	298	< 1	< 0.01	7	170	34	< 5	2	9	0.03	< 10	< 10	22	< 10	48
LS1 8+50W	201	298	1	0.01	8	270	180	< 5	2	9	0.03	< 10	< 10	33	< 10	232
LS1 8+75W	201	298	1	0.01	16	200	108	5	4	18	0.08	< 10	< 10	54	< 10	180
LS1 9+00W	201	298	< 1	0.01	14	230	84	< 5	5	20	0.09	< 10	< 10	57	< 10	124

CERTIFICATION: B. Caughlin

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To: HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LONE STAR
Comments: CC: SCOTT TOMLINSON

Page Number :1-A
Total Pages :1
Certificate Date: 19-SEP-91
Invoice No. :I9121631
P.O. Number :

CERTIFICATE OF ANALYSIS A9121631

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
91SSL7W-000S	201	298	< 5	0.2	1.12	10	300	< 0.5	< 2	0.16	< 0.5	3	28	11	1.58	< 10	< 1	0.06	20	0.67	120
91SSL7W-010S	201	298	70	< 0.2	1.32	5	310	< 0.5	6	0.13	0.5	4	37	13	2.31	< 10	< 1	0.07	20	0.85	185
91SSL7W-020S	201	298	70	< 0.2	1.05	15	220	< 0.5	< 2	0.12	< 0.5	2	17	10	1.40	< 10	1	0.06	20	0.38	80
91SSL7W-030S	201	298	20	< 0.2	0.69	5	100	< 0.5	< 2	0.08	< 0.5	2	10	5	0.76	< 10	< 1	0.05	10	0.26	50
91SSL7W-040S	201	298	20	< 0.2	1.14	20	180	< 0.5	< 2	0.13	< 0.5	4	18	10	1.51	< 10	< 1	0.07	20	0.36	90
91SSL7W-050S	201	298	45	< 0.2	1.15	< 5	190	< 0.5	< 2	0.13	0.5	3	16	11	1.52	< 10	< 1	0.08	20	0.41	90
91SSL7W-060S	201	298	15	0.2	1.32	10	230	< 0.5	< 2	0.17	< 0.5	4	19	12	1.53	< 10	< 1	0.08	20	0.43	95
91SSL7W-070S	201	298	150	< 0.2	0.94	5	140	< 0.5	< 2	0.14	0.5	2	14	7	1.10	< 10	< 1	0.07	20	0.36	75
91SSL7W-080S	201	298	20	< 0.2	0.92	5	150	< 0.5	< 2	0.10	< 0.5	2	15	7	1.05	< 10	2	0.06	10	0.37	65
91SSL7W-090S	201	298	< 5	< 0.2	0.74	5	130	< 0.5	< 2	0.09	< 0.5	1	12	5	0.83	< 10	< 1	0.06	10	0.27	50
91SSL7W-100S	201	298	20	< 0.2	0.81	< 5	110	< 0.5	< 2	0.08	< 0.5	2	12	5	0.93	< 10	< 1	0.05	20	0.31	55
91SSL7W-110S	201	298	80	< 0.2	0.78	5	130	< 0.5	< 2	0.12	< 0.5	5	13	6	0.99	< 10	1	0.06	20	0.34	65
91SSL7W-120S	201	298	160	< 0.2	0.77	5	120	< 0.5	< 2	0.11	< 0.5	3	10	8	0.93	< 10	< 1	0.05	20	0.27	55
91SSL7W-130S	201	298	15	< 0.2	0.86	5	170	< 0.5	< 2	0.14	< 0.5	3	11	8	1.11	< 10	< 1	0.06	10	0.26	65
91SSL7W-140S	201	298	105	0.2	0.93	< 5	130	< 0.5	< 2	0.11	0.5	3	14	7	1.20	< 10	1	0.06	20	0.32	65
91SSL7W-150S	201	298	100	< 0.2	0.89	< 5	150	< 0.5	< 2	0.12	0.5	4	13	7	1.15	< 10	1	0.06	20	0.33	70
91SSL7W-160S	201	298	100	< 0.2	0.86	10	160	< 0.5	< 2	0.12	< 0.5	4	13	9	1.30	< 10	< 1	0.05	20	0.32	70
91SSL7W-170S	201	298	50	< 0.2	0.92	< 5	200	< 0.5	< 2	0.12	0.5	3	14	9	1.13	< 10	< 1	0.06	10	0.31	75
91SSL7W-180S	201	298	120	< 0.2	1.02	< 5	160	< 0.5	< 2	0.11	< 0.5	4	15	8	1.56	< 10	1	0.06	10	0.38	90
91SSL7W-190S	201	298	215	0.2	0.92	< 5	170	< 0.5	< 2	0.13	< 0.5	4	14	7	1.10	< 10	< 1	0.07	20	0.32	75
91SSL7W-200S	201	298	50	< 0.2	0.98	< 5	190	< 0.5	< 2	0.16	< 0.5	3	15	8	1.16	< 10	1	0.07	20	0.31	80

CERTIFICATION: B. Caplan

Chemex Labs Ltd.

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To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LONE STAR
Comments: CC: SCOTT TOMLINSON

Page Number :1-B
Total Pages :1
Certificate Date: 19-SEP-91
Invoice No. :I9121631
P.O. Number :

CERTIFICATE OF ANALYSIS A9121631

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
91SSL7W-000S	201	298	< 1	< 0.01	8	440	40	< 5	1	25	0.03	< 10	< 10	23	< 10	76
91SSL7W-010S	201	298	< 1	< 0.01	11	540	38	< 5	2	23	0.03	< 10	< 10	30	< 10	90
91SSL7W-020S	201	298	< 1	< 0.01	8	360	18	5	1	14	0.03	< 10	< 10	19	< 10	60
91SSL7W-030S	201	298	1	< 0.01	4	230	20	< 5	1	9	0.02	< 10	< 10	10	< 10	40
91SSL7W-040S	201	298	< 1	< 0.01	7	430	18	< 5	2	14	0.04	< 10	< 10	24	< 10	54
91SSL7W-050S	201	298	< 1	< 0.01	7	430	20	< 5	1	14	0.03	< 10	< 10	22	< 10	60
91SSL7W-060S	201	298	< 1	< 0.01	11	500	24	< 5	2	17	0.03	< 10	< 10	20	< 10	66
91SSL7W-070S	201	298	< 1	< 0.01	7	370	22	< 5	1	14	0.04	< 10	< 10	16	< 10	52
91SSL7W-080S	201	298	< 1	< 0.01	8	290	18	< 5	1	11	0.02	< 10	< 10	13	< 10	50
91SSL7W-090S	201	298	< 1	< 0.01	5	310	18	< 5	1	11	0.02	< 10	< 10	10	< 10	34
91SSL7W-100S	201	298	< 1	< 0.01	6	200	16	< 5	1	9	0.02	< 10	< 10	13	< 10	42
91SSL7W-110S	201	298	< 1	< 0.01	6	340	8	< 5	1	12	0.02	< 10	< 10	13	< 10	50
91SSL7W-120S	201	298	< 1	< 0.01	6	310	20	< 5	1	11	0.02	< 10	< 10	13	< 10	38
91SSL7W-130S	201	298	< 1	< 0.01	7	420	20	< 5	1	15	0.02	< 10	< 10	11	< 10	38
91SSL7W-140S	201	298	< 1	< 0.01	7	350	16	< 5	1	12	0.02	< 10	< 10	16	< 10	46
91SSL7W-150S	201	298	< 1	< 0.01	8	380	22	< 5	1	12	0.02	< 10	< 10	14	< 10	50
91SSL7W-160S	201	298	< 1	< 0.01	5	330	16	< 5	1	12	0.02	< 10	< 10	18	< 10	46
91SSL7W-170S	201	298	< 1	< 0.01	7	380	24	< 5	1	14	0.02	< 10	< 10	13	< 10	48
91SSL7W-180S	201	298	1	< 0.01	9	320	24	< 5	1	11	0.03	< 10	< 10	24	< 10	54
91SSL7W-190S	201	298	< 1	< 0.01	6	340	12	< 5	1	14	0.03	< 10	< 10	14	< 10	44
91SSL7W-200S	201	298	< 1	< 0.01	9	390	24	< 5	1	17	0.03	< 10	< 10	14	< 10	44

CERTIFICATION: B. Caughlin

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To: HASTINGS MANAGEMENT CORP.

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Page Nu. :1
Total Pages :2
Certificate Date: 09-OCT-91
Invoice No. :I9122576
P.O. Number :

Project : DAWSON LONE STAR
Comments: ATTN: LARRY MCLEAN CC: SCOTT TOMLINSON

CERTIFICATE OF ANALYSIS A9122576

SAMPLE	PREP CODE	Au ppb RUSH	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
91SSL7-210S	241 --	60	0.20	2.0	0.2	7.5	< 0.1	0.5	16	< 0.2	44
91SSL7-220S	241 --	80	0.15	2.5	0.2	6.0	< 0.1	1.0	15	< 0.2	37
91SSL7-230S	241 --	35	0.20	2.0	< 0.2	5.0	< 0.1	0.5	12	< 0.2	35
91SSL7-240S	241 --	225	0.15	1.5	< 0.2	4.5	< 0.1	0.5	10	< 0.2	41
91SSL7-250S	241 --	70	0.10	1.0	< 0.2	2.5	< 0.1	< 0.5	9	< 0.2	30
91SSL7-260S	241 --	185	0.25	2.5	< 0.2	7.5	< 0.1	0.5	14	< 0.2	56
91SSL7-270S	241 --	50	0.20	2.0	< 0.2	6.0	< 0.1	0.5	16	< 0.2	31
91SSL7-280S	241 --	95	0.20	2.5	0.2	6.0	0.3	0.5	15	< 0.2	50
91SSL7-290S	241 --	70	0.15	1.5	0.2	4.5	< 0.1	0.5	12	< 0.2	37
91SSL7-300S	241 --	185	0.15	2.5	0.4	3.5	0.1	0.5	12	< 0.2	40
91SSL7-310S	241 --	175	0.10	4.0	< 0.2	8.5	0.3	0.5	11	< 0.2	59
91SSL7-320S	241 --	20	0.20	2.0	0.2	5.5	0.2	< 0.5	15	< 0.2	27
91SSL7-330S	241 --	10	0.30	2.0	0.2	5.5	0.2	1.0	16	< 0.2	28
91SSL7-340S	241 --	10	0.25	2.5	0.2	6.5	0.3	0.5	17	< 0.2	32
91SSL7-350S	241 --	240	0.20	1.5	< 0.2	3.5	< 0.1	< 0.5	13	< 0.2	26
91SSL7-360S	241 --	15	0.30	2.0	0.2	5.5	0.4	0.5	13	< 0.2	28
91SSL7-370S	241 --	50	0.25	2.0	0.2	4.0	0.6	0.5	11	< 0.2	28
91SSL7-380S	241 --	35	0.25	1.5	0.2	4.5	< 0.1	< 0.5	13	< 0.2	26
91SSL7-390S	241 --	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss
91SSL7-400S	241 --	115	0.30	2.0	0.2	6.0	0.1	< 0.5	18	0.2	40
DW-050S	241 --	45	1.40	130.5	0.4	22.0	0.1	4.5	34	5.0	61
DW-000N	241 --	< 5	0.20	4.5	0.6	17.5	0.1	< 0.5	9	< 0.2	68
DW-050N	241 --	< 5	0.05	4.0	0.2	10.0	< 0.1	0.5	23	< 0.2	76
DW-100N	241 --	< 5	0.10	2.5	0.6	4.5	< 0.1	< 0.5	33	< 0.2	113
DW-150N	241 --	< 5	0.15	1.5	0.2	3.5	0.1	< 0.5	16	< 0.2	27
DW-200N	241 --	< 5	0.05	3.5	0.4	6.5	< 0.1	< 0.5	22	0.2	33
DW-300N	241 --	< 5	0.05	3.0	0.4	4.5	< 0.1	< 0.5	31	< 0.2	21
DW-400N	241 --	< 5	0.35	9.0	0.4	9.0	< 0.1	1.0	18	0.2	55
DW-425N	241 --	< 5	0.15	10.0	0.2	20.5	< 0.1	1.0	14	0.4	78
DW-450N	241 --	< 5	0.15	10.0	0.4	23.5	< 0.1	1.0	13	0.4	88
DW-475N	241 --	< 5	0.95	7.0	0.2	12.5	< 0.1	1.0	18	0.2	105
DW-500N	241 --	< 5	0.85	8.0	0.4	20.0	< 0.1	1.0	37	0.4	136
DW-525N	241 --	< 5	1.30	1.0	0.6	53.0	< 0.1	1.5	176	1.8	358
DW-550N	241 --	< 5	0.25	6.5	1.8	7.5	< 0.1	1.0	67	0.4	82
DW-575N	241 --	< 5	0.15	5.5	0.6	12.5	< 0.1	1.0	31	0.2	79
DW-600N	241 --	40	1.25	5.5	0.4	12.0	< 0.1	0.5	30	0.4	78
DW-625N	241 --	< 5	0.05	5.0	0.2	8.0	< 0.1	0.5	16	< 0.2	35
DW-650N	241 --	< 5	0.10	5.5	0.4	8.5	< 0.1	1.0	24	< 0.2	57
DW-675N	241 --	< 5	0.25	5.0	0.2	8.0	< 0.1	1.5	35	< 0.2	21
DW-700N	241 --	< 5	1.15	7.0	0.4	21.0	< 0.1	1.0	39	0.4	109

CERTIFICATION: B. Caplin

Chemex Labs Ltd.

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

To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : DAWSON LONE STAR
Comments: ATTN: LARRY MCLEAN CC: SCOTT TOMLINSON

Certificate Date: 09-OCT-91
Invoice No. :19122576
P.O. Number :

CERTIFICATE OF ANALYSIS A9122576

SAMPLE	PREP CODE		Au ppb RUSH	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
DW-725N	241	--	< 5	0.05	6.0	0.6	9.5	< 0.1	2.5	29	< 0.2	45
DW-750N	241	--	< 5	0.05	1.5	0.2	4.0	< 0.1	0.5	19	< 0.2	49
DW-775N	241	--	< 5	0.05	2.0	0.2	4.0	< 0.1	< 0.5	14	< 0.2	29
DW-800N	241	--	< 5	< 0.05	5.0	0.2	7.0	< 0.1	1.0	31	< 0.2	27

CERTIFICATION: B. Campbell

Chemex Labs Ltd.

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

To: ARBOR RESOURCES INC. *

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

Project : LONE STAR, DAWSON
Comments: CC: ART TROUP

Certificate Date: 24-OCT-91
Invoice No. :I9123369
P.O. Number :

CERTIFICATE OF ANALYSIS A9123369

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
91TR21 0+00W	201 --	115	0.35	24.5	0.2	25.5	< 0.1	1.0	14	0.4	81
91TR21 0+10W	201 --	810	0.65	57.5	< 0.2	27.0	< 0.1	1.5	20	0.8	101
91TR21 0+20W	201 --	305	0.90	19.5	< 0.2	24.5	< 0.1	1.0	24	0.4	119
91TR21 0+40W	201 --	185	0.30	5.5	0.2	25.0	< 0.1	1.5	34	0.6	123
91TR21 0+50W	201 --	55	0.40	4.0	< 0.2	21.0	< 0.1	0.5	34	0.4	89
91TR21 0+60W	201 --	60	0.75	3.5	< 0.2	14.5	< 0.1	0.5	53	0.4	89
91TR21 0+70W	201 --	20	0.30	3.5	< 0.2	23.5	< 0.1	0.5	21	< 0.2	108
91TR21 0+80W	201 --	50	0.25	3.0	< 0.2	18.5	< 0.1	0.5	31	< 0.2	95
7PUP-SHR	201 --	< 5	0.05	8.0	< 0.2	3.5	0.4	< 0.5	24	< 0.2	27
7PUP-SHR2	201 --	10	0.30	32.0	< 0.2	17.5	< 0.1	1.0	45	0.2	73
7PUP-SHR3	201 --	< 5	0.15	25.0	0.2	17.0	< 0.1	2.0	63	< 0.2	131
11PUP-SS	201 --	35	0.25	22.5	< 0.2	9.0	< 0.1	1.5	9	0.2	119
11PUP 0+00N	201 --	15	0.90	6.5	< 0.2	17.0	< 0.1	1.0	10	0.2	141
11PUP 0+10N	201 --	5	0.70	9.5	< 0.2	18.0	< 0.1	1.0	11	< 0.2	143
11PUP 0+20N	201 --	5	0.45	8.0	< 0.2	17.5	< 0.1	0.5	9	0.2	111
11PUP 0+30N	201 --	< 5	0.40	10.5	< 0.2	17.5	< 0.1	0.5	10	< 0.2	111
11PUP 0+40N	201 --	< 5	0.50	9.0	< 0.2	19.5	< 0.1	0.5	10	0.2	123
11PUP 0+50N	201 --	< 5	0.20	6.5	< 0.2	13.5	< 0.1	0.5	6	< 0.2	89
E1W 10+00S	201 --	< 5	0.20	4.0	< 0.2	24.0	< 0.1	1.0	59	< 0.2	150
E1W 10+25S	201 --	< 5	0.20	5.5	< 0.2	19.5	0.2	1.0	16	< 0.2	79
E1W 10+50S	201 --	< 5	0.15	6.5	< 0.2	18.5	< 0.1	1.0	25	< 0.2	73
E1W 10+75S	201 --	< 5	0.20	5.0	0.2	15.5	< 0.1	1.0	26	< 0.2	73
E1W 11+00S	201 --	< 5	0.15	3.5	< 0.2	21.5	< 0.1	0.5	32	0.2	99
E1W 11+25S	201 --	< 5	0.10	7.0	< 0.2	13.5	< 0.1	0.5	13	0.2	81
E1W 11+25SA	201 --	< 5	0.20	11.0	< 0.2	12.0	< 0.1	1.0	20	< 0.2	81
E1W 11+75S	201 --	< 5	0.15	3.0	0.2	13.0	< 0.1	0.5	22	< 0.2	93
E1W 12+00S	201 --	< 5	0.30	6.5	< 0.2	20.0	< 0.1	1.0	22	< 0.2	89
E1W 12+25S	201 --	< 5	0.20	5.0	< 0.2	13.5	< 0.1	1.0	22	< 0.2	62
E1W 12+50S	201 --	< 5	0.30	3.5	< 0.2	14.5	< 0.1	0.5	26	< 0.2	62
E1W 12+75S	201 --	50	0.25	8.5	0.2	18.0	< 0.1	1.0	25	< 0.2	108
E1W 13+00S	201 --	< 5	0.30	8.0	< 0.2	16.5	< 0.1	1.5	41	< 0.2	122
E1W 13+25S	201 --	< 5	0.20	13.0	0.2	15.5	< 0.1	1.0	25	< 0.2	110
E1W 13+50S	201 --	< 5	0.30	8.5	< 0.2	18.5	< 0.1	1.5	38	< 0.2	118
E150E 12+50S	201 --	< 5	0.25	9.5	0.2	21.0	< 0.1	0.5	21	< 0.2	108
E150E 12+75S	201 --	< 5	0.30	13.0	0.4	26.0	< 0.1	1.0	28	< 0.2	159
E150E 13+00S	201 --	< 5	0.05	4.5	< 0.2	11.5	< 0.1	1.0	18	< 0.2	83
E150E 13+25S	201 --	< 5	0.15	7.5	0.2	14.0	< 0.1	1.0	23	< 0.2	75
E150E 13+50S	201 --	< 5	0.10	6.0	< 0.2	19.0	< 0.1	0.5	21	< 0.2	108
E150E 13+75S	201 --	< 5	0.15	4.0	0.2	20.5	< 0.1	1.0	27	< 0.2	105
E150E 14+00S	201 --	< 5	0.10	7.0	0.2	13.0	< 0.1	1.0	15	< 0.2	63

CERTIFICATION: B. Caplin

Chemex Labs Ltd.

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

To: ARBOR RESOURCES INC. *

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

Project : LONE STAR, DAWSON
Comments: CC: ART TROUP

Certificate Date: 24-OCT-91
Invoice No. :I9123369
P.O. Number :

CERTIFICATE OF ANALYSIS A9123369

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
E150E 14+25S	201 --	< 5	0.15	5.5	0.4	17.0	< 0.1	0.5	13	0.4	76
E150E 14+50S	201 --	< 5	0.25	29.0	0.6	51.5	< 0.1	2.0	17	1.0	195
E150E 14+75S	201 --	< 5	0.35	13.5	0.4	44.5	< 0.1	2.5	35	0.4	126
E150E 15+00S	201 --	15	0.20	7.5	0.6	20.0	< 0.1	0.5	24	< 0.2	83
E150E 15+25S	201 --	< 5	0.20	5.5	0.2	11.0	< 0.1	< 0.5	17	< 0.2	72
E150E 15+50S	201 --	< 5	0.30	7.0	0.4	14.5	< 0.1	0.5	18	0.2	62
E150E 15+75S	201 --	< 5	0.30	5.0	0.6	15.0	< 0.1	< 0.5	18	< 0.2	68
ELD02E 15+00S	201 --	< 5	0.35	16.0	0.4	12.0	< 0.1	0.5	31	< 0.2	63
ELD02E 15+25S	201 --	< 5	0.85	13.5	0.4	16.0	< 0.1	1.0	36	0.2	91
ELD02E 15+50S	201 --	< 5	0.15	6.5	0.4	10.5	< 0.1	< 0.5	23	< 0.2	59
ELD02E 15+75S	201 --	30	0.25	7.5	0.2	11.0	0.1	< 0.5	21	0.4	54
ELD02E 16+00S	201 --	< 5	0.25	1.0	0.2	21.5	< 0.1	< 0.5	13	< 0.2	88
FB2-1	201 --	< 5	0.05	8.5	0.4	11.5	< 0.1	0.5	12	< 0.2	52
FB2-2	201 --	< 5	0.05	< 0.5	0.2	1.0	< 0.1	< 0.5	6	< 0.2	8
FB2-3	201 --	< 5	< 0.05	2.0	0.4	6.5	< 0.1	< 0.5	7	< 0.2	36
FB2-4	201 --	< 5	0.10	2.5	< 0.2	6.5	< 0.1	< 0.5	15	< 0.2	41
FG9E 5+00S	201 --	< 5	0.15	12.0	0.4	9.0	< 0.1	< 0.5	17	0.2	62
FG9E 5+25S	201 --	< 5	0.20	15.0	0.2	19.5	< 0.1	0.5	26	0.4	78
FG9E 5+50S	201 --	< 5	0.45	43.0	0.4	61.0	< 0.1	2.0	35	2.2	107
FG9E 5+75S	201 --	< 5	0.75	87.0	0.4	18.0	< 0.1	0.5	54	1.6	46
FG9E 6+00S	201 --	< 5	1.00	23.5	0.2	73.5	< 0.1	2.5	20	1.6	94
FG9E 6+25S	201 --	< 5	0.40	11.5	< 0.2	26.0	< 0.1	0.5	12	1.2	76
FG9E 6+50S	201 --	< 5	0.45	11.5	0.2	29.0	< 0.1	0.5	15	0.6	61
FG9E 6+75S	201 --	< 5	0.45	5.0	0.2	22.5	< 0.1	1.0	38	1.2	138
FG9E 7+00S	201 --	< 5	0.25	7.0	0.2	27.0	< 0.1	< 0.5	14	0.4	67
FG9E 7+25S	201 --	< 5	3.30	67.5	1.0	19.5	3.3	2.5	58	11.8	86
FG9E 7+50S	201 --	35	3.00	39.0	1.8	26.0	1.2	2.5	65	3.4	101
FG9E 7+75S	201 --	5	2.20	17.5	3.8	22.5	< 0.1	3.0	55	1.4	105
FG9E 8+00S	201 --	20	1.15	20.0	0.6	21.0	< 0.1	3.5	54	1.8	117
FG9E 8+25S	201 --	15	1.50	26.5	0.6	30.5	0.2	2.0	169	3.2	441
FG9E 8+50S	201 --	< 5	0.40	44.0	0.4	30.0	< 0.1	1.5	28	1.8	200
FG9E 8+75S	201 --	< 5	0.30	36.5	0.6	23.0	< 0.1	0.5	29	0.8	144
FG9E 9+00S	201 --	< 5	0.45	29.5	0.4	28.0	< 0.1	1.5	42	1.8	140
LS28W 8+75S	201 --	< 5	0.15	9.5	0.4	18.0	< 0.1	0.5	22	0.6	80
LS29W 8+00S	201 --	< 5	0.20	5.5	0.4	8.0	0.1	0.5	12	< 0.2	45
LS29W 8+25S	201 --	< 5	0.20	6.0	0.4	9.0	< 0.1	0.5	13	< 0.2	51
LS29W 8+50S	201 --	< 5	0.20	5.0	0.2	9.5	< 0.1	0.5	15	< 0.2	51
LS29W 8+75S	201 --	30	0.25	5.0	0.4	14.0	< 0.1	0.5	15	< 0.2	52
LS29W 9+00S	201 --	20	0.20	8.0	0.2	12.0	< 0.1	0.5	15	0.2	54
LS29W 9+25S	201 --	120	0.30	5.5	0.2	14.0	0.1	0.5	17	< 0.2	52

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: ARBOR RESOURCES INC. *

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

Project : LONE STAR, DAWSON
Comments: CC: ART TROUP

Certificate Date: 24-OCT-91
Invoice No. :I9123369
P.O. Number :

CERTIFICATE OF ANALYSIS A9123369

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
LS29W 9+50S	201 --	< 5	0.05	3.0	< 0.2	9.0	< 0.1	0.5	22	< 0.2	32
LS29W 9+75S	201 --	< 5	0.15	5.5	0.2	21.5	< 0.1	0.5	16	< 0.2	54
LS30W 9+00S	201 --	< 5	0.10	7.0	0.4	11.5	< 0.1	0.5	13	< 0.2	50
LS30W 9+25SA	201 --	4930	1.75	22.0	0.4	49.5	< 0.1	1.0	128	0.8	473
LS30W 9+25S	201 --	10	0.05	8.5	< 0.2	10.0	< 0.1	0.5	21	< 0.2	49
LS30W 9+50S	201 --	20	0.15	38.5	1.0	47.0	< 0.1	2.0	160	0.2	287
LS30W 9+75S	201 --	10	0.20	12.5	0.2	17.0	< 0.1	1.0	45	< 0.2	132
LS32W 10+00S	201 --	< 5	< 0.05	14.0	0.2	11.0	< 0.1	0.5	11	0.2	45
LS34W 10+50S	201 --	< 5	0.05	6.5	0.2	9.5	< 0.1	0.5	14	< 0.2	46
LS34W 10+75S	201 --	< 5	0.05	6.0	0.2	10.5	< 0.1	0.5	13	< 0.2	47
LS34W 11+00S	201 --	5	0.20	29.5	0.2	24.5	< 0.1	0.5	14	0.4	105
LS34W 12+25S	201 --	10	0.75	8.0	0.6	20.5	< 0.1	0.5	43	< 0.2	100
LS34W 12+50S	201 --	< 5	0.25	51.0	0.4	27.0	< 0.1	2.0	23	3.2	131
LS34W 12+75S	201 --	< 5	0.20	8.0	0.2	17.0	< 0.1	0.5	12	< 0.2	61

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LONE STAR / DAWSON
Comments: ATTN: LARRY MCLEAN CC: ART TROUP

Certificate Date: 24-OCT-91
Invoice No. : I9123473
P.O. Number :

CERTIFICATE OF ANALYSIS A9123473

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
FG9E 7+12S	201 --	< 5	2.15	56.0	0.6	16.0	0.1	2.0	43	4.0	73
FG9E 7+37S	201 --	< 5	2.40	64.5	1.6	21.5	7.3	3.0	72	9.8	98
FG9E 7+62S	201 --	< 5	2.20	31.5	4.4	28.5	0.2	2.5	87	1.4	114
FG9E 7+87S	201 --	< 5	1.85	13.5	4.4	21.5	0.3	1.5	54	1.4	82
FG735S 0+75E	201 --	110	0.20	8.0	0.2	13.0	< 0.1	0.5	9	< 0.2	70
FG735S 0+90E	201 --	< 5	0.10	19.0	0.4	16.0	< 0.1	0.5	14	< 0.2	73
FG735S 1+05E	201 --	< 5	0.15	18.5	0.4	19.0	< 0.1	0.5	14	< 0.2	73
FG735S 1+20E	201 --	< 5	0.80	6.0	< 0.2	16.0	< 0.1	< 0.5	21	< 0.2	113
FG735S 1+35E	201 --	15	0.60	4.5	0.4	12.0	< 0.1	0.5	22	< 0.2	50
FG735S 1+50E	201 --	< 5	0.15	8.0	0.2	15.0	< 0.1	0.5	13	< 0.2	58
FG735S 1+65E	201 --	< 5	0.15	9.0	0.2	16.0	< 0.1	0.5	15	< 0.2	67
FG735S 1+80E	201 --	< 5	0.10	7.0	0.4	13.0	< 0.1	0.5	16	< 0.2	61
FG735S 1+95E	201 --	25	0.10	7.5	0.2	14.0	< 0.1	0.5	16	0.2	67
FG735S 2+10E	201 --	30	0.40	6.0	0.2	9.0	< 0.1	0.5	13	0.2	61
GLACIER SS	201 --	10	0.25	10.0	< 0.2	14.5	< 0.1	0.5	18	0.2	64
89TR4 0+00E	201 --	60	0.40	54.0	0.4	14.5	< 0.1	1.0	38	0.6	57
89TR4 0+25E	201 --	40	0.20	64.5	0.2	16.0	< 0.1	1.0	31	1.2	53
89TR4 0+50E	201 --	10	0.15	26.0	0.2	19.0	< 0.1	1.0	22	1.0	65
89TR4 0+62E	201 --	< 5	0.05	28.5	0.2	27.0	< 0.1	1.0	32	2.0	84
89TR4 0+75E	201 --	< 5	0.05	19.5	0.2	26.0	< 0.1	1.0	25	0.8	81
89TR4 1+00E	201 --	< 5	0.10	7.5	0.4	38.0	< 0.1	1.0	42	0.8	97
89TR4 1+25E	201 --	20	0.10	10.0	0.4	21.0	< 0.1	0.5	37	1.4	75
89TR4 1+50E	201 --	< 5	0.05	4.5	0.2	10.5	< 0.1	0.5	23	0.4	38
91TR19 0+00E	201 --	25	0.05	3.0	0.2	9.5	< 0.1	< 0.5	25	0.4	37
91TR19 0+12E	201 --	110	0.05	2.5	< 0.2	9.5	< 0.1	< 0.5	41	0.2	50
91TR19 0+25E	201 --	15	0.05	1.5	0.2	11.0	< 0.1	< 0.5	31	0.6	52
91TR19 0+37E	201 --	90	< 0.05	3.0	< 0.2	6.5	< 0.1	< 0.5	29	0.2	31
91TR19 0+50E	201 --	< 5	< 0.05	3.0	0.2	7.5	< 0.1	< 0.5	32	0.4	48
91TR19 0+62E	201 --	< 5	< 0.05	3.0	0.2	6.0	< 0.1	< 0.5	23	< 0.2	24
91TR19 0+75E	201 --	< 5	0.05	3.5	< 0.2	7.5	< 0.1	< 0.5	36	< 0.2	23

CERTIFICATION: B. Caughlin

APPENDIX II

ROCK CHIP SAMPLES CERTIFICATES OF ANALYSES

Chemex Labs Ltd.

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

To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LITTLE ELDO
Comments: CC: SCOTT TOMLINSON

Certificate Date: 09-SEP-91
Invoice No. : I9120947
P.O. Number :

CERTIFICATE OF ANALYSIS A9120947

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
39879	212	294	210	0.2	0.42	5	1430	< 0.5	< 2	0.03	< 0.5	< 1	7	5	0.67	< 10	< 1	0.25	20	0.08	70
39880	212	294	< 5	< 0.2	0.49	< 5	440	< 0.5	< 2	0.04	< 0.5	1	9	4	0.71	< 10	1	0.23	20	0.16	120
39881	212	294	30	0.4	1.45	20	260	< 0.5	< 2	0.16	< 0.5	10	21	23	3.18	< 10	< 1	0.22	20	0.99	770
39882	212	294	< 5	0.2	2.07	65	260	< 0.5	< 2	0.21	0.5	12	29	31	3.36	< 10	< 1	0.14	10	1.53	660
39883	212	294	< 5	0.4	2.12	50	250	< 0.5	< 2	0.23	< 0.5	12	34	28	3.59	< 10	< 1	0.17	10	1.58	510
39884	212	294	< 5	1.2	0.55	35	40	< 0.5	< 2	9.27	2.0	6	41	13	2.46	20	< 1	0.02	10	0.92	530
39885	212	294	< 5	0.2	0.30	10	720	< 0.5	2	0.05	< 0.5	1	10	4	1.15	< 10	3	0.26	10	0.03	115
39888	212	294	< 5	< 0.2	0.68	10	200	< 0.5	< 2	2.84	< 0.5	6	10	9	2.01	10	< 1	0.28	20	0.22	475
39889	212	294	< 5	< 0.2	1.76	< 5	870	< 0.5	< 2	1.81	< 0.5	5	8	7	2.13	10	< 1	0.45	30	0.79	440
39890	212	294	40	0.2	0.74	< 5	1720	< 0.5	< 2	0.10	< 0.5	3	10	9	1.22	< 10	1	0.32	50	0.14	80
39891	212	294	2870	2.0	0.59	< 5	1030	< 0.5	< 2	0.07	< 0.5	2	8	4	0.86	< 10	< 1	0.31	20	0.11	60
39893	212	294	15	< 0.2	0.45	5	700	< 0.5	< 2	0.03	< 0.5	< 1	7	5	0.71	< 10	< 1	0.20	20	0.15	80
39894	212	294	< 5	< 0.2	2.07	20	380	< 0.5	< 2	1.23	< 0.5	12	33	32	3.42	10	< 1	0.19	20	1.47	350
39895	212	294	145	0.4	1.83	< 5	540	< 0.5	< 2	0.31	0.5	13	28	25	3.66	< 10	< 1	0.21	10	1.43	545
39912	212	294	40	< 0.2	0.45	10	1570	< 0.5	< 2	0.05	< 0.5	2	16	10	2.00	< 10	< 1	0.23	20	0.10	100
39913	212	294	< 5	0.2	1.66	265	360	< 0.5	< 2	0.19	0.5	7	37	62	3.42	< 10	< 1	0.16	20	1.21	210
39914	212	294	< 5	1.4	0.58	75	260	< 0.5	< 2	0.10	< 0.5	5	31	68	2.96	< 10	2	0.09	10	0.52	135
39915	212	294	< 5	< 0.2	0.25	< 5	1780	< 0.5	< 2	0.01	< 0.5	1	13	6	0.89	< 10	1	0.21	10	0.01	45
39916	212	294	< 5	< 0.2	0.84	15	250	< 0.5	< 2	0.06	< 0.5	2	7	7	1.73	< 10	< 1	0.17	10	0.38	110

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LITTLE ELDO
Comments: CC: SCOTT TOMLINSON

Page Number : 1-B
Total Pages : 1
Certificate Date: 09-SEP-91
Invoice No. : I9120947
P.O. Number :

CERTIFICATE OF ANALYSIS A9120947

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
39879	212	294	< 1	0.01	3	80	10	< 5	1	8	< 0.01	< 10	< 10	< 1	< 10	12
39880	212	294	< 1	< 0.01	5	60	18	< 5	1	4	< 0.01	< 10	< 10	< 1	< 10	28
39881	212	294	3	< 0.01	21	340	4	< 5	2	15	< 0.01	< 10	< 10	18	< 10	56
39882	212	294	1	0.01	22	650	40	< 5	2	12	< 0.01	< 10	< 10	34	10	182
39883	212	294	2	0.01	25	630	102	< 5	4	24	< 0.01	< 10	< 10	43	10	176
39884	212	294	15	0.02	27	1340	116	< 5	5	822	0.01	< 10	< 10	26	20	162
39885	212	294	5	0.02	4	90	16	< 5	1	16	< 0.01	< 10	< 10	< 1	< 10	16
39888	212	294	< 1	0.01	14	460	14	< 5	1	183	< 0.01	< 10	< 10	5	10	40
39889	212	294	2	0.01	9	550	18	< 5	2	140	< 0.01	< 10	< 10	7	< 10	62
39890	212	294	1	< 0.01	7	180	66	< 5	2	20	< 0.01	< 10	< 10	2	< 10	76
39891	212	294	< 1	< 0.01	4	100	46	< 5	1	11	< 0.01	< 10	< 10	< 1	< 10	42
39893	212	294	< 1	0.01	4	70	18	< 5	1	6	< 0.01	< 10	< 10	< 1	< 10	32
39894	212	294	< 1	0.01	25	730	16	< 5	6	47	0.01	< 10	< 10	45	20	82
39895	212	294	< 1	0.01	17	670	90	< 5	5	31	< 0.01	< 10	< 10	24	10	202
39912	212	294	1	0.02	8	300	10	< 5	2	26	< 0.01	< 10	< 10	2	< 10	22
39913	212	294	14	0.01	40	890	22	< 5	2	29	0.02	< 10	< 10	32	10	124
39914	212	294	16	0.03	22	610	38	< 5	3	69	0.02	< 10	< 10	15	10	62
39915	212	294	1	< 0.01	6	40	18	< 5	< 1	11	< 0.01	< 10	< 10	< 1	< 10	8
39916	212	294	1	0.02	4	290	12	< 5	2	45	0.01	< 10	< 10	5	< 10	32

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

To: HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LONE STAR
Comments: CC: SCOTT TOMLINSON

Certificate Date: 19-SEP-91
Invoice No. :I9121632
P.O. Number :

CERTIFICATE OF ANALYSIS A9121632

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
39943	212	294	230	3.4	0.43	10	360	< 0.5	< 2	0.03	< 0.5	2	12	80	1.37	< 10	< 1	0.19	10	0.19	90
39944	212	294	195	0.2	0.24	10	900	< 0.5	< 2	0.02	< 0.5	< 1	13	55	1.36	< 10	< 1	0.15	< 10	0.07	50

CERTIFICATION: B. Caselton

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1000 - 675 W. HASTINGS
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Project : LONE STAR
Comments: CC: SCOTT TOMLINSON

Page Number : 1-B
Total Pages : 1
Certificate Date: 19-SEP-91
Invoice No. : I9121632
P.O. Number :

CERTIFICATE OF ANALYSIS A9121632

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
39943	212	294	1	0.01	7	130	160	< 5	< 1	10	< 0.01	< 10	< 10	3	< 10	74
39944	212	294	3	< 0.01	7	110	218	< 5	< 1	29	< 0.01	< 10	< 10	1	< 10	34

CERTIFICATION: B. Caplin

Chemex Labs Ltd.

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To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LITTLE ELDO
Comments: CC: SCOTT TOMLINSON

Page Number :1-A
Total Pages :1
Certificate Date: 19-SEP-91
Invoice No. :I9121635
P.O. Number :

CERTIFICATE OF ANALYSIS A9121635

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
39917	212	294	175	1.6	0.59	10	370	< 0.5	< 2	0.06	< 0.5	2	26	36	2.42	< 10	< 1	0.39	10	0.12	70
39918	212	294	275	1.0	0.68	20	340	< 0.5	< 2	0.12	< 0.5	4	31	52	3.41	< 10	1	0.37	< 10	0.27	160
39919	212	294	20	0.2	0.11	10	80	< 0.5	< 2	0.03	< 0.5	1	23	34	1.37	< 10	< 1	0.02	< 10	0.06	135
39920	212	294	70	4.4	0.42	20	220	< 0.5	< 2	0.05	< 0.5	2	23	39	2.01	< 10	< 1	0.26	10	0.15	95
39921	212	294	30	0.4	1.98	30	190	< 0.5	< 2	0.14	0.5	3	29	32	3.86	< 10	< 1	0.16	10	1.95	410
39922	212	294	260	1.0	0.69	20	300	< 0.5	< 2	0.08	0.5	< 1	21	24	2.40	< 10	< 1	0.43	10	0.16	85

CERTIFICATION: B. Caplin

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Project : LITTLE ELDO
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CERTIFICATE OF ANALYSIS A9121635

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
39917	212	294	5	0.08	9	140	20	5	2	33	0.01	< 10	< 10	17	< 10	26
39918	212	294	2	0.07	15	400	22	5	2	40	0.01	< 10	< 10	18	< 10	56
39919	212	294	2	< 0.01	13	90	32	< 5	< 1	6	< 0.01	< 10	< 10	2	< 10	56
39920	212	294	4	0.02	11	220	50	5	1	38	0.02	< 10	< 10	11	< 10	44
39921	212	294	2	0.01	9	680	32	< 5	2	35	0.07	< 10	< 10	37	< 10	152
39922	212	294	3	0.03	7	590	34	< 5	2	78	0.03	< 10	< 10	9	< 10	34

CERTIFICATION: B. Caplin

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1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : 27-PUP
Comments: CC: SCOTT TOMLINSON

Certificate Date: 09-OCT-91
Invoice No. : I9122580
P.O. Number :

CERTIFICATE OF ANALYSIS A9122580

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Ba ppm	Bi ppm	Cd ppm	Cu ppm	Fe %	Ga ppm	Hg ppm
39959	212	294	< 5	0.25	0.5	3270	0.2	0.8	3.0	2.87	17	< 0.1
39960	212	294	< 5	0.75	105.0	5360	0.2	1.2	24.0	4.46	17	< 0.1
39961	212	294	130	34.2	5.5	1200	0.2	< 0.1	6.0	2.71	16	1.9
39962	212	294	10	2.85	0.5	1100	0.4	< 0.1	3.0	2.21	18	1.5
39963	212	294	25	5.95	1.0	4580	3.2	< 0.1	9.0	1.86	20	1.1
39964	212	294	100	13.90	5.5	3530	3.2	12.5	143.0	3.77	14	0.2
39965	212	294	135	12.60	26.0	3120	6.2	0.2	58.5	4.11	18	0.7
39966	212	294	95	12.75	31.5	3130	1.6	< 0.1	4.0	1.37	17	0.6
39967	212	294	< 5	0.55	5.5	2540	< 0.2	0.2	14.5	4.48	17	< 0.1
39968	212	294	15	1.70	12.5	5610	0.8	2.1	25.5	3.99	17	0.7
39971	212	294	< 5	0.90	109.0	2690	0.2	1.3	53.5	3.91	15	< 0.1
39972	212	294	35	6.40	41.0	1370	1.4	0.2	12.5	2.60	18	1.2
39973	212	294	110	3.35	44.0	2590	0.4	< 0.1	31.5	3.45	15	< 0.1
91TR16-003m	212	294	< 5	0.20	3.5	1490	< 0.2	0.1	8.0	1.95	8	< 0.1
91TR16-026m	212	294	65	0.70	11.5	4250	0.2	1.4	17.0	4.98	18	< 0.1
91TR16-030m	212	294	125	0.60	14.0	3660	0.2	0.8	32.5	3.66	14	< 0.1
91TR16-045m	212	294	10	0.20	3.0	5150	0.2	0.1	4.5	1.45	20	< 0.1
91TR16-047m	212	294	< 5	0.15	2.5	5600	0.2	0.1	3.0	1.29	19	< 0.1
91TR16-050m	212	294	< 5	0.10	2.0	5620	< 0.2	0.1	3.0	1.35	17	< 0.1
91TR16-053m	212	294	60	0.30	7.5	4170	< 0.2	0.4	3.5	1.72	18	< 0.1
91TR17-011m	212	294	35	0.95	39.0	3160	0.2	1.4	18.0	3.29	17	< 0.1
91TR17-017m	212	294	< 5	1.15	58.0	2620	1.0	2.4	84.0	4.82	17	< 0.1
91TR17-020m	212	294	35	3.90	25.5	>10000	< 0.2	1.0	42.5	3.80	18	< 0.1
91TR17-021m	212	294	160	56.2	10.0	760	0.6	< 0.1	6.0	3.43	16	0.8
91TR17-026m	212	294	825	144.5	8.0	1100	0.8	0.1	4.0	2.38	13	19.5
91TR17-028m	212	294	365	32.0	33.5	4290	3.0	2.7	87.5	6.79	14	1.9
91TR17-032m	212	294	415	74.7	8.0	960	0.4	< 0.1	5.0	2.23	15	0.2
91TR17-037m	212	294	55	15.00	48.0	4940	1.2	2.2	71.0	5.32	15	< 0.1
91TR17-055m	212	294	150	1.05	35.5	2140	< 0.2	0.3	19.0	3.88	13	< 0.1
91TR18-005m	212	294	6140	Minrlzd	Minrlzd	5450	Minrlzd	Minrlzd	Minrlzd	2.88	15	Minrlzd
91TR18-008m	212	294	2450	3.75	37.0	1080	< 0.2	< 0.1	13.5	3.96	12	< 0.1
91TR18-016m	212	294	445	5.20	39.5	2380	0.2	0.1	21.0	4.84	18	0.5
91TR18-019m	212	294	100	15.20	84.0	2980	0.8	< 0.1	3.5	1.62	18	0.2
91TR18-022m	212	294	15	4.95	177.0	2610	0.4	0.5	34.0	5.62	23	< 0.1
91TR18-025m	212	294	110	31.5	37.0	780	4.8	< 0.1	3.5	2.60	15	< 0.1
91TR18-030m	212	294	25	4.40	386	3570	0.4	2.2	69.5	4.43	16	< 0.1
91TR18-032m	212	294	15	3.45	69.0	2510	0.2	1.3	44.5	5.13	21	0.2

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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To: HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
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V6B 1N6

Project : 27-PUP
Comments: CC: SCOTT TOMLINSON

Page Nur. :1-B
Total Pages :1
Certificate Date: 09-OCT-91
Invoice No. :I9122580
P.O. Number :

CERTIFICATE OF ANALYSIS A9122580

SAMPLE	PREP CODE		La ppm	Mn ppm	Mo ppm	Pb ppm	Sb ppm	Sr ppm	Tl ppm	V ppm	W ppm	Zn ppm
39959	212	294	< 10	695	1.0	4	< 0.2	46	< 0.5	38	20	47
39960	212	294	< 10	845	1.0	18	0.8	39	< 0.5	130	10	198
39961	212	294	< 10	165	2.5	47	2.4	98	0.5	88	10	7
39962	212	294	< 10	100	4.5	19	0.8	32	< 0.5	91	< 10	4
39963	212	294	< 10	70	2.5	54	6.0	53	< 0.5	98	< 10	38
39964	212	294	< 10	6490	4.5	108	3.2	33	< 0.5	69	10	1355
39965	212	294	< 10	300	3.0	118	8.2	63	1.0	91	20	176
39966	212	294	< 10	80	3.0	38	1.8	24	< 0.5	92	< 10	8
39967	212	294	< 10	620	1.0	8	0.4	21	< 0.5	87	20	102
39968	212	294	< 10	645	7.5	58	2.2	37	< 0.5	96	20	233
39971	212	294	< 10	690	2.5	24	2.8	29	< 0.5	166	10	173
39972	212	294	< 10	165	4.0	65	3.8	74	1.5	95	10	71
39973	212	294	< 10	140	4.5	19	6.6	58	< 0.5	56	10	32
91TR16-003m	212	294	< 10	240	1.5	8	< 0.2	20	< 0.5	36	< 10	38
91TR16-026m	212	294	< 10	1115	2.0	50	0.2	50	< 0.5	131	20	163
91TR16-030m	212	294	< 10	875	2.0	34	< 0.2	76	< 0.5	117	10	126
91TR16-045m	212	294	< 10	215	1.0	20	< 0.2	21	1.0	5	10	56
91TR16-047m	212	294	< 10	200	1.0	17	< 0.2	40	< 0.5	6	10	22
91TR16-050m	212	294	< 10	220	0.5	18	< 0.2	30	< 0.5	3	10	26
91TR16-053m	212	294	< 10	230	1.0	13	< 0.2	23	< 0.5	9	10	34
91TR17-011m	212	294	< 10	740	2.0	58	0.4	38	1.5	47	< 10	196
91TR17-017m	212	294	< 10	1105	1.0	66	0.8	31	< 0.5	138	< 10	305
91TR17-020m	212	294	< 10	690	1.0	10	1.2	48	< 0.5	100	< 10	199
91TR17-021m	212	294	< 10	155	2.0	135	10.2	122	3.0	85	< 10	17
91TR17-026m	212	294	< 10	150	2.0	112	18.0	57	< 0.5	73	< 10	42
91TR17-028m	212	294	< 10	490	4.5	339	53.6	50	0.5	78	< 10	305
91TR17-032m	212	294	< 10	175	2.0	76	5.4	42	< 0.5	91	< 10	12
91TR17-037m	212	294	< 10	390	4.5	140	38.6	99	< 0.5	90	< 10	427
91TR17-055m	212	294	< 10	180	2.0	9	1.4	76	< 0.5	89	< 10	75
91TR18-005m	212	294	< 10	160	Minrlzd	Minrlzd	Minrlzd	221	< 0.5	76	10	Minrlzd
91TR18-008m	212	294	< 10	135	3.0	11	1.4	111	< 0.5	53	< 10	14
91TR18-016m	212	294	< 10	190	2.5	17	5.4	63	2.5	55	< 10	63
91TR18-019m	212	294	< 10	160	5.0	29	4.6	21	0.5	113	< 10	9
91TR18-022m	212	294	< 10	690	9.5	18	3.8	107	1.0	163	< 10	82
91TR18-025m	212	294	< 10	190	3.5	91	2.4	76	< 0.5	91	< 10	7
91TR18-030m	212	294	10	575	12.0	42	4.6	43	< 0.5	160	< 10	316
91TR18-032m	212	294	< 10	2060	2.5	18	3.6	53	< 0.5	170	< 10	131

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

To: HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LITTLE ELDO
Comments: CC: SCOTT TOMLINSON

Certificate Date: 04-OCT-91
Invoice No. :19122581
P.O. Number :

CERTIFICATE OF ANALYSIS A9122581

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
39969	212	294	< 5	0.2	0.84	20	270	< 0.5	< 2	0.15	0.5	2	12	18	1.44	< 10	< 1	0.34	30	0.60	285
39970	212	294	< 5	0.2	0.34	5	330	< 0.5	2	< 0.01	< 0.5	< 1	6	4	0.61	< 10	< 1	0.29	20	0.07	20
91TR15-003m	212	294	< 5	0.2	1.54	10	340	< 0.5	< 2	0.30	1.0	6	29	22	1.90	< 10	< 1	0.47	20	0.54	430
91TR15-006m	212	294	< 5	1.6	2.21	265	2380	< 0.5	2	0.42	2.0	12	51	61	3.43	< 10	< 1	0.17	20	1.61	620
91TR15-009m	212	294	< 5	< 0.2	0.94	110	300	< 0.5	< 2	0.18	< 0.5	4	10	7	2.17	< 10	< 1	0.15	20	0.48	230
91TR15-017m	212	294	< 5	< 0.2	0.71	< 5	280	< 0.5	2	0.35	< 0.5	2	10	3	1.18	< 10	< 1	0.29	20	0.26	305

CERTIFICATION: B. Caplin

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Project : LITTLE ELDO
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Page Number :1-B
Total Pages :1
Certificate Date: 04-OCT-91
Invoice No. :19122581
P.O. Number :

CERTIFICATE OF ANALYSIS A9122581

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
39969	212	294	< 1	0.02	5	340	26	< 5	2	18	0.01	< 10	< 10	7	< 10	78
39970	212	294	1	0.01	2	40	14	< 5	< 1	5	< 0.01	< 10	< 10	< 1	< 10	4
91TR15-003m	212	294	< 1	0.01	14	690	10	< 5	3	23	< 0.01	< 10	< 10	39	< 10	114
91TR15-006m	212	294	3	< 0.01	48	1170	20	5	4	39	< 0.01	< 10	< 10	58	< 10	196
91TR15-009m	212	294	1	0.01	5	430	20	< 5	4	11	< 0.01	< 10	< 10	11	< 10	66
91TR15-017m	212	294	< 1	< 0.01	4	260	10	< 5	1	28	< 0.01	< 10	< 10	7	< 10	30

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Project : LONE STAR/DAWSON
Comments: ATTN: LARRY MCLEAN CC: A.TROUP

Certificate Date: 21-OCT-91
Invoice No. :I9123228
P.O. Number :

CERTIFICATE OF ANALYSIS A9123228

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
2590	205	294	15	0.20	20.5	0.2	9.5	< 0.1	0.5	20	< 0.2	17
2591	205	294	< 5	0.25	99.0	< 0.2	3.5	< 0.1	0.5	30	3.6	19
2593	205	294	< 5	0.25	13.5	0.2	14.5	< 0.1	0.5	46	1.0	85
2594	205	294	< 5	0.30	17.0	< 0.2	11.5	0.4	1.0	24	1.0	74
2595	205	294	< 5	0.25	14.5	< 0.2	1.5	< 0.1	0.5	18	0.4	8
2596	205	294	< 5	0.35	5.5	0.2	6.5	< 0.1	< 0.5	38	< 0.2	25
2597	205	294	< 5	0.40	10.0	0.4	9.5	< 0.1	< 0.5	55	0.6	38
2598	205	294	< 5	0.05	1.5	0.2	2.0	< 0.1	0.5	10	< 0.2	14
2599	205	294	< 5	0.25	16.0	0.2	8.5	< 0.1	< 0.5	21	< 0.2	67
2600	205	294	< 5	0.10	51.5	< 0.2	6.0	< 0.1	0.5	18	< 0.2	50
39974	205	294	< 5	0.10	4.0	< 0.2	3.5	< 0.1	0.5	87	< 0.2	6
39975	205	294	< 5	0.10	0.5	< 0.2	3.0	< 0.1	0.5	3	< 0.2	9
39976	205	294	< 5	0.15	2.0	0.2	7.0	< 0.1	0.5	16	< 0.2	44
39977	205	294	< 5	0.45	7.0	0.4	11.5	< 0.1	2.0	21	< 0.2	9
39978	205	294	95	0.55	2.0	0.2	24.5	< 0.1	0.5	15	< 0.2	74
39979	205	294	10	0.20	5.0	< 0.2	6.5	< 0.1	< 0.5	18	< 0.2	49
517592	205	294	< 5	< 0.05	2.5	< 0.2	2.5	0.3	< 0.5	3	< 0.2	5
517593	205	294	< 5	0.05	< 0.5	< 0.2	2.5	< 0.1	0.5	8	< 0.2	7
517594	205	294	< 5	0.05	0.5	< 0.2	0.5	< 0.1	< 0.5	6	< 0.2	8
517595	205	294	< 5	0.10	2.0	< 0.2	1.5	< 0.1	0.5	26	< 0.2	56
517596	205	294	< 5	0.50	14.5	< 0.2	3.0	< 0.1	1.0	39	< 0.2	210
517597	205	294	< 5	0.55	3.0	0.6	13.0	< 0.1	0.5	5	0.4	147
517598	205	294	< 5	0.10	10.5	0.2	0.5	< 0.1	1.0	15	< 0.2	5
517599	205	294	< 5	0.10	62.0	< 0.2	4.0	< 0.1	1.0	12	0.6	120
517600	205	294	< 5	0.60	206	0.2	84.5	< 0.1	5.0	12	0.2	168
87TR6-66	205	294	1300	1.60	1915	0.2	8.5	< 0.1	0.5	24	2.0	48
87TR7-63	205	294	2720	1.35	914	0.6	7.5	< 0.1	0.5	18	1.4	51
87TR7-64	205	294	410	0.65	188.5	< 0.2	4.5	< 0.1	0.5	11	0.4	18
89TR4-66	205	294	20	0.25	28.0	< 0.2	9.5	< 0.1	0.5	22	1.8	45
89TR4-67	205	294	15	0.35	41.5	< 0.2	12.0	0.3	1.0	22	0.2	66
91TR20-0-4	205	294	< 5	0.25	38.5	< 0.2	17.0	< 0.1	1.0	10	0.6	76
91TR20-4-8	205	294	< 5	0.30	64.0	< 0.2	21.5	< 0.1	1.5	16	1.2	83
91TR20-8-10	205	294	65	0.50	1885	0.2	17.0	< 0.1	1.5	13	2.2	76
91TR20-10-12	205	294	1280	1.25	1365	0.2	13.5	< 0.1	1.5	19	0.6	72
91TR20-12-13	205	294	2310	2.05	1845	< 0.2	14.5	< 0.1	1.5	9	1.6	47
91TR20-13-14	205	294	2860	2.30	570	< 0.2	8.0	< 0.1	2.0	13	0.8	36
91TR20-14-16	205	294	475	0.55	831	< 0.2	8.0	< 0.1	0.5	26	0.8	45
91TR20-16-18	205	294	160	0.25	132.5	< 0.2	8.5	0.1	0.5	24	< 0.2	77
91TR20-18-22	205	294	45	0.40	85.5	0.2	14.5	< 0.1	1.0	39	< 0.2	84
91TR20-22-26	205	294	70	0.25	91.5	< 0.2	11.0	0.3	0.5	22	< 0.2	83

CERTIFICATION: B. Caplin

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To: HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LONE STAR/DAWSON
Comments: ATTN: LARRY MCLEAN CC: A.TROUP

Certificate Date: 21-OCT-91
Invoice No. : I9123228
P.O. Number :

CERTIFICATE OF ANALYSIS A9123228

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
91TR20-26-30	205	294	35	0.15	65.0	< 0.2	11.5	< 0.1	0.5	39	< 0.2	97
91TR20-30-34	205	294	60	0.35	76.0	< 0.2	19.0	< 0.1	1.0	82	< 0.2	102
91TR20-34-38	205	294	25	0.25	29.5	0.2	14.0	< 0.1	0.5	17	< 0.2	52
91TR20-38-42	205	294	20	0.30	17.0	0.2	29.0	0.2	0.5	15	0.2	35
91TR20-42-46	205	294	10	0.30	11.0	< 0.2	20.5	0.2	0.5	17	< 0.2	35
91TR20-46-50	205	294	< 5	0.25	12.0	0.2	16.5	< 0.1	1.0	27	< 0.2	71
91TR20-50-54	205	294	< 5	0.15	8.5	0.2	11.0	< 0.1	1.0	22	< 0.2	87
91TR20-54-58	205	294	< 5	0.35	12.0	< 0.2	14.0	0.6	2.0	91	0.6	156
91TR20-58-62	205	294	< 5	0.55	14.0	< 0.2	24.0	< 0.1	3.0	187	0.4	253
91TR20-62-64	205	294	< 5	0.35	11.0	0.2	35.5	0.1	2.0	96	< 0.2	144
91TR20-64-66	205	294	< 5	0.75	7.0	0.4	80.5	< 0.1	1.0	19	0.2	46
91TR20-66-68	205	294	< 5	0.45	7.5	0.2	45.0	< 0.1	0.5	19	0.4	27

CERTIFICATION: B. Caughlin

APPENDIX III

TRENCH SAMPLES CERTIFICATES OF ANALYSES

Chemex Labs Ltd.

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To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LITTLE ELDO
Comments: CC: SCOTT TOMLINSON

Page Number : 1-A
Total Pages : 1
Certificate Date: 09-SEP-91
Invoice No. : I9120945
P.O. Number :

CERTIFICATE OF ANALYSIS A9120945

SAMPLE DESCRIPTION	PREP CODE		Au FA oz/T	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
91-TR-03-00M	207	294	< 0.003	0.2	1.40	< 5	460	< 0.5	< 2	0.16	< 0.5	5	11	11	1.70	< 10	2	0.44	10	0.57	260
91-TR-03-18M	207	294	< 0.003	< 0.2	0.07	< 5	20	< 0.5	< 2	0.01	< 0.5	1	24	14	1.05	< 10	1	0.04	< 10	0.02	65
91-TR-03-47M	207	294	< 0.003	< 0.2	0.95	< 5	330	< 0.5	< 2	0.18	< 0.5	2	8	8	0.80	< 10	1	0.71	20	0.14	150
91-TR-03-105M	207	294	< 0.003	< 0.2	0.19	< 5	50	< 0.5	2	0.02	< 0.5	2	21	10	1.08	< 10	< 1	0.11	< 10	0.05	80
91-TR-03-110M	207	294	< 0.003	< 0.2	0.87	< 5	300	< 0.5	< 2	0.10	< 0.5	2	19	9	1.24	< 10	< 1	0.56	10	0.11	155
91-TR-03-120M	207	294	< 0.003	< 0.2	0.57	< 5	240	< 0.5	< 2	0.10	< 0.5	2	22	14	1.39	< 10	< 1	0.34	10	0.10	395
91-TR-03-163M	207	294	< 0.003	< 0.2	0.84	10	280	< 0.5	< 2	0.17	< 0.5	2	16	9	1.13	< 10	< 1	0.48	20	0.15	135
91-TR-03-200M	207	294	< 0.003	< 0.2	1.89	< 5	200	< 0.5	< 2	0.37	< 0.5	9	60	33	3.40	< 10	< 1	0.12	10	1.26	415

CERTIFICATION: B. Caglin

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CERTIFICATE OF ANALYSIS A9120945

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
91-TR-03-00M	207	294	2	0.01	6	300	4	< 5	4	61	0.01	< 10	< 10	9	< 10	56
91-TR-03-18M	207	294	1	< 0.01	12	10	< 2	< 5	< 1	1	< 0.01	< 10	< 10	< 1	< 10	4
91-TR-03-47M	207	294	< 1	0.01	6	620	10	< 5	1	10	< 0.01	< 10	< 10	6	< 10	14
91-TR-03-105M	207	294	2	< 0.01	10	40	< 2	< 5	< 1	2	< 0.01	< 10	< 10	1	< 10	6
91-TR-03-110M	207	294	< 1	0.01	9	280	8	< 5	1	10	< 0.01	< 10	< 10	6	< 10	14
91-TR-03-120M	207	294	1	0.01	11	270	12	< 5	< 1	11	< 0.01	< 10	< 10	5	< 10	18
91-TR-03-163M	207	294	< 1	0.02	6	550	8	< 5	1	16	< 0.01	< 10	< 10	8	< 10	20
91-TR-03-200M	207	294	< 1	0.01	18	790	4	< 5	6	25	0.09	< 10	< 10	52	10	100

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Project : 27-PUP
Comments: CC: SCOTT TOMLINSON

Certificate Date: 09-SEP-91
Invoice No. : I9120946
P.O. Number :

CERTIFICATE OF ANALYSIS A9120946

SAMPLE DESCRIPTION	PREP CODE		Au FA oz/T	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
91-TR-01-012M	207	294	< 0.003	< 0.2	0.78	< 5	380	< 0.5	< 2	0.12	< 0.5	4	9	9	1.37	< 10	1	0.25	10	0.21	160
91-TR-01-015M	207	294	< 0.003	< 0.2	0.96	< 5	380	< 0.5	< 2	0.19	< 0.5	4	9	6	1.92	< 10	1	0.28	10	0.32	190
91-TR-01-019M	207	294	< 0.003	< 0.2	0.75	< 5	290	< 0.5	< 2	0.13	< 0.5	4	8	8	1.84	< 10	< 1	0.25	20	0.19	110
91-TR-01-020M	207	294	0.004	< 0.2	1.19	5	640	< 0.5	< 2	0.21	< 0.5	4	9	11	1.88	< 10	< 1	0.34	30	0.30	185
91-TR-01-041M	207	294	< 0.003	< 0.2	0.98	5	390	< 0.5	< 2	0.18	< 0.5	4	9	7	1.93	< 10	< 1	0.28	10	0.33	650
91-TR-01-065M	207	294	0.008	< 0.2	0.11	5	70	< 0.5	< 2	0.02	< 0.5	2	15	4	0.95	< 10	< 1	0.05	< 10	0.03	175
91-TR-01-066M	207	294	< 0.003	< 0.2	0.74	< 5	820	< 0.5	< 2	0.11	< 0.5	6	10	7	1.88	< 10	< 1	0.24	10	0.23	545
91-TR-01-085M	207	294	0.006	< 0.2	1.14	25	3300	< 0.5	< 2	0.15	< 0.5	5	9	4	1.64	< 10	< 1	0.50	20	0.21	480
91-TR-01-116M	207	294	< 0.003	< 0.2	1.24	< 5	640	< 0.5	2	0.14	< 0.5	1	7	4	1.13	< 10	< 1	0.43	30	0.30	125
91-TR-01-125M	207	294	< 0.003	0.2	0.81	< 5	1060	< 0.5	< 2	0.06	< 0.5	2	8	4	0.92	< 10	< 1	0.37	30	0.28	225
91-TR-01-130M	207	294	0.004	1.0	0.37	20	390	< 0.5	< 2	0.03	0.5	1	9	4	1.99	< 10	< 1	0.23	30	0.07	195
91-TR-02-005M	207	294	0.006	0.4	0.49	10	510	< 0.5	< 2	0.02	< 0.5	1	8	5	1.15	< 10	< 1	0.40	20	0.05	120
91-TR-02-022M	207	294	< 0.003	0.4	0.53	5	1150	< 0.5	< 2	0.02	< 0.5	< 1	14	6	1.09	< 10	< 1	0.29	20	0.06	65
91-TR-04-003M	207	294	< 0.003	0.2	1.81	5	430	< 0.5	< 2	0.31	< 0.5	11	49	27	2.87	< 10	< 1	0.19	20	1.17	460
91-TR-04-007M	207	294	< 0.003	0.2	1.02	< 5	400	< 0.5	< 2	0.09	< 0.5	3	12	6	1.00	< 10	< 1	0.38	30	0.33	175
91-TR-04-016M	207	294	< 0.003	0.6	1.72	90	570	< 0.5	< 2	0.20	< 0.5	18	35	49	3.42	< 10	< 1	0.12	10	1.24	820
91-TR-05-004M	207	294	< 0.003	< 0.2	0.74	< 5	890	< 0.5	< 2	0.06	< 0.5	2	11	6	1.22	< 10	< 1	0.25	30	0.20	95
91-TR-05-027M	207	294	< 0.003	0.2	0.64	< 5	600	< 0.5	< 2	0.06	< 0.5	1	9	5	0.96	< 10	< 1	0.27	30	0.19	120

CERTIFICATION: B. Caughlin

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Project : 27-PUP
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Page Nu : 1-B
Total Pages : 1
Certificate Date: 09-SEP-91
Invoice No. : I9120946
P.O. Number :

CERTIFICATE OF ANALYSIS A9120946

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
91-TR-01-012M	207	294	< 1	0.01	4	270	< 2	< 5	2	10	< 0.01	< 10	< 10	4	< 10	38
91-TR-01-015M	207	294	< 1	0.01	5	580	12	< 5	3	11	< 0.01	< 10	< 10	6	< 10	54
91-TR-01-019M	207	294	2	0.01	5	510	10	< 5	2	9	< 0.01	< 10	< 10	4	< 10	42
91-TR-01-020M	207	294	< 1	0.01	4	430	2	< 5	3	18	< 0.01	< 10	< 10	7	< 10	54
91-TR-01-041M	207	294	< 1	0.01	7	450	14	< 5	3	12	< 0.01	< 10	< 10	7	< 10	60
91-TR-01-065M	207	294	< 1	< 0.01	6	100	10	< 5	< 1	1	< 0.01	< 10	< 10	< 1	< 10	4
91-TR-01-066M	207	294	1	0.01	7	410	12	< 5	2	15	< 0.01	< 10	< 10	4	< 10	36
91-TR-01-085M	207	294	< 1	< 0.01	4	290	6	< 5	3	23	< 0.01	< 10	< 10	4	< 10	50
91-TR-01-116M	207	294	< 1	0.03	1	90	6	< 5	5	20	< 0.01	< 10	< 10	1	< 10	52
91-TR-01-125M	207	294	< 1	0.01	3	90	12	< 5	3	7	< 0.01	< 10	< 10	< 1	< 10	34
91-TR-01-130M	207	294	1	0.01	4	110	14	< 5	1	5	< 0.01	< 10	< 10	< 1	< 10	10
91-TR-02-005M	207	294	1	0.02	6	90	50	< 5	1	12	< 0.01	< 10	< 10	1	< 10	20
91-TR-02-022M	207	294	1	0.01	5	40	56	< 5	1	8	< 0.01	< 10	< 10	< 1	< 10	34
91-TR-04-003M	207	294	3	0.01	25	500	10	< 5	4	26	< 0.01	< 10	< 10	33	10	78
91-TR-04-007M	207	294	< 1	0.01	7	100	36	< 5	1	9	< 0.01	< 10	< 10	4	< 10	36
91-TR-04-016M	207	294	1	< 0.01	42	710	36	< 5	2	14	< 0.01	< 10	< 10	30	10	124
91-TR-05-004M	207	294	1	0.01	6	90	18	< 5	2	9	< 0.01	< 10	< 10	1	< 10	40
91-TR-05-027M	207	294	< 1	0.01	5	80	18	< 5	1	9	< 0.01	< 10	< 10	1	< 10	38

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LITTLE ELDO
Comments: CC: SCOTT TOMLINSON

Certificate Date: 09-SEP-91
Invoice No. :I9120947
P.O. Number :

CERTIFICATE OF ANALYSIS A9120947

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
39879	212	294	210	0.2	0.42	5	1430	< 0.5	< 2	0.03	< 0.5	< 1	7	5	0.67	< 10	< 1	0.25	20	0.08	70
39880	212	294	< 5	< 0.2	0.49	< 5	440	< 0.5	< 2	0.04	< 0.5	1	9	4	0.71	< 10	1	0.23	20	0.16	120
39881	212	294	30	0.4	1.45	20	260	< 0.5	< 2	0.16	< 0.5	10	21	23	3.18	< 10	< 1	0.22	20	0.99	770
39882	212	294	< 5	0.2	2.07	65	260	< 0.5	< 2	0.21	0.5	12	29	31	3.36	< 10	< 1	0.14	10	1.53	660
39883	212	294	< 5	0.4	2.12	50	250	< 0.5	< 2	0.23	< 0.5	12	34	28	3.59	< 10	< 1	0.17	10	1.58	510
39884	212	294	< 5	1.2	0.55	35	40	< 0.5	< 2	9.27	2.0	6	41	13	2.46	20	< 1	0.02	10	0.92	530
39885	212	294	< 5	0.2	0.30	10	720	< 0.5	2	0.05	< 0.5	1	10	4	1.15	< 10	3	0.26	10	0.03	115
39888	212	294	< 5	< 0.2	0.68	10	200	< 0.5	< 2	2.84	< 0.5	6	10	9	2.01	10	< 1	0.28	20	0.22	475
39889	212	294	< 5	< 0.2	1.76	< 5	870	< 0.5	< 2	1.81	< 0.5	5	8	7	2.13	10	< 1	0.45	30	0.79	440
39890	212	294	40	0.2	0.74	< 5	1720	< 0.5	< 2	0.10	< 0.5	3	10	9	1.22	< 10	1	0.32	50	0.14	80
39891	212	294	2870	2.0	0.59	< 5	1030	< 0.5	< 2	0.07	< 0.5	2	8	4	0.86	< 10	< 1	0.31	20	0.11	60
39893	212	294	15	< 0.2	0.45	5	700	< 0.5	< 2	0.03	< 0.5	< 1	7	5	0.71	< 10	< 1	0.20	20	0.15	80
39894	212	294	< 5	< 0.2	2.07	20	380	< 0.5	< 2	1.23	< 0.5	12	33	32	3.42	10	< 1	0.19	20	1.47	350
39895	212	294	145	0.4	1.83	< 5	540	< 0.5	< 2	0.31	0.5	13	28	25	3.66	< 10	< 1	0.21	10	1.43	545
39912	212	294	40	< 0.2	0.45	10	1570	< 0.5	< 2	0.05	< 0.5	2	16	10	2.00	< 10	< 1	0.23	20	0.10	100
39913	212	294	< 5	0.2	1.66	265	360	< 0.5	< 2	0.19	0.5	7	37	62	3.42	< 10	< 1	0.16	20	1.21	210
39914	212	294	< 5	1.4	0.58	75	260	< 0.5	< 2	0.10	< 0.5	5	31	68	2.96	< 10	2	0.09	10	0.52	135
39915	212	294	< 5	< 0.2	0.25	< 5	1780	< 0.5	< 2	0.01	< 0.5	1	13	6	0.89	< 10	1	0.21	10	0.01	45
39916	212	294	< 5	< 0.2	0.84	15	250	< 0.5	< 2	0.06	< 0.5	2	7	7	1.73	< 10	< 1	0.17	10	0.38	110

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LITTLE ELDO
Comments: CC: SCOTT TOMLINSON

Certificate Date: 09-SEP-91
Invoice No. : I9120947
P.O. Number :

CERTIFICATE OF ANALYSIS A9120947

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
39879	212	294	< 1	0.01	3	80	10	< 5	1	8	< 0.01	< 10	< 10	< 1	< 10	12
39880	212	294	< 1	< 0.01	5	60	18	< 5	1	4	< 0.01	< 10	< 10	< 1	< 10	28
39881	212	294	3	< 0.01	21	340	4	< 5	2	15	< 0.01	< 10	< 10	18	< 10	56
39882	212	294	1	0.01	22	650	40	< 5	2	12	< 0.01	< 10	< 10	34	10	182
39883	212	294	2	0.01	25	630	102	< 5	4	24	< 0.01	< 10	< 10	43	10	176
39884	212	294	15	0.02	27	1340	116	< 5	5	822	0.01	< 10	< 10	26	20	162
39885	212	294	5	0.02	4	90	16	< 5	1	16	< 0.01	< 10	< 10	< 1	< 10	16
39888	212	294	< 1	0.01	14	460	14	< 5	1	183	< 0.01	< 10	< 10	5	10	40
39889	212	294	2	0.01	9	550	18	< 5	2	140	< 0.01	< 10	< 10	7	< 10	62
39890	212	294	1	< 0.01	7	180	66	< 5	2	20	< 0.01	< 10	< 10	2	< 10	76
39891	212	294	< 1	< 0.01	4	100	46	< 5	1	11	< 0.01	< 10	< 10	< 1	< 10	42
39893	212	294	< 1	0.01	4	70	18	< 5	1	6	< 0.01	< 10	< 10	< 1	< 10	32
39894	212	294	< 1	0.01	25	730	16	< 5	6	47	0.01	< 10	< 10	45	20	82
39895	212	294	< 1	0.01	17	670	90	< 5	5	31	< 0.01	< 10	< 10	24	10	202
39912	212	294	1	0.02	8	300	10	< 5	2	26	< 0.01	< 10	< 10	2	< 10	22
39913	212	294	14	0.01	40	890	22	< 5	2	29	0.02	< 10	< 10	32	10	124
39914	212	294	16	0.03	22	610	38	< 5	3	69	0.02	< 10	< 10	15	10	62
39915	212	294	1	< 0.01	6	40	18	< 5	< 1	11	< 0.01	< 10	< 10	< 1	< 10	8
39916	212	294	1	0.02	4	290	12	< 5	2	45	0.01	< 10	< 10	5	< 10	32

CERTIFICATION: B. Caughlin

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To: HASTINGS MANAGEMENT CORP.

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : 27-PUP
Comments: CC: SCOTT TOMLINSON

Certificate Date: 09-OCT-91
Invoice No. : I9122580
P.O. Number :

CERTIFICATE OF ANALYSIS A9122580

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Ba ppm	Bi ppm	Cd ppm	Cu ppm	Fe %	Ga ppm	Hg ppm
39959	212	294	< 5	0.25	0.5	3270	0.2	0.8	3.0	2.87	17	< 0.1
39960	212	294	< 5	0.75	105.0	5360	0.2	1.2	24.0	4.46	17	< 0.1
39961	212	294	130	34.2	5.5	1200	0.2	< 0.1	6.0	2.71	16	1.9
39962	212	294	10	2.85	0.5	1100	0.4	< 0.1	3.0	2.21	18	1.5
39963	212	294	25	5.95	1.0	4580	3.2	< 0.1	9.0	1.86	20	1.1
39964	212	294	100	13.90	5.5	3530	3.2	12.5	143.0	3.77	14	0.2
39965	212	294	135	12.60	26.0	3120	6.2	0.2	58.5	4.11	18	0.7
39966	212	294	95	12.75	31.5	3130	1.6	< 0.1	4.0	1.37	17	0.6
39967	212	294	< 5	0.55	5.5	2540	< 0.2	0.2	14.5	4.48	17	< 0.1
39968	212	294	15	1.70	12.5	5610	0.8	2.1	25.5	3.99	17	0.7
39971	212	294	< 5	0.90	109.0	2690	0.2	1.3	53.5	3.91	15	< 0.1
39972	212	294	35	6.40	41.0	1370	1.4	0.2	12.5	2.60	18	1.2
39973	212	294	110	3.35	44.0	2590	0.4	< 0.1	31.5	3.45	15	< 0.1
91TR16-003m	212	294	< 5	0.20	3.5	1490	< 0.2	0.1	8.0	1.95	8	< 0.1
91TR16-026m	212	294	65	0.70	11.5	4250	0.2	1.4	17.0	4.98	18	< 0.1
91TR16-030m	212	294	125	0.60	14.0	3660	0.2	0.8	32.5	3.66	14	< 0.1
91TR16-045m	212	294	10	0.20	3.0	5150	0.2	0.1	4.5	1.45	20	< 0.1
91TR16-047m	212	294	< 5	0.15	2.5	5600	0.2	0.1	3.0	1.29	19	< 0.1
91TR16-050m	212	294	< 5	0.10	2.0	5620	< 0.2	0.1	3.0	1.35	17	< 0.1
91TR16-053m	212	294	60	0.30	7.5	4170	< 0.2	0.4	3.5	1.72	18	< 0.1
91TR17-011m	212	294	35	0.95	39.0	3160	0.2	1.4	18.0	3.29	17	< 0.1
91TR17-017m	212	294	< 5	1.15	58.0	2620	1.0	2.4	84.0	4.82	17	< 0.1
91TR17-020m	212	294	35	3.90	25.5	>10000	< 0.2	1.0	42.5	3.80	18	< 0.1
91TR17-021m	212	294	160	56.2	10.0	760	0.6	< 0.1	6.0	3.43	16	0.8
91TR17-026m	212	294	825	144.5	8.0	1100	0.8	0.1	4.0	2.38	13	19.5
91TR17-028m	212	294	365	32.0	33.5	4290	3.0	2.7	87.5	6.79	14	1.9
91TR17-032m	212	294	415	74.7	8.0	960	0.4	< 0.1	5.0	2.23	15	0.2
91TR17-037m	212	294	55	15.00	48.0	4940	1.2	2.2	71.0	5.32	15	< 0.1
91TR17-055m	212	294	150	1.05	35.5	2140	< 0.2	0.3	19.0	3.88	13	< 0.1
91TR18-005m	212	294	6140	Minrlzd	Minrlzd	5450	Minrlzd	Minrlzd	Minrlzd	2.88	15	Minrlzd
91TR18-008m	212	294	2450	3.75	37.0	1080	< 0.2	< 0.1	13.5	3.96	12	< 0.1
91TR18-016m	212	294	445	5.20	39.5	2380	0.2	0.1	21.0	4.84	18	0.5
91TR18-019m	212	294	100	15.20	84.0	2980	0.8	< 0.1	3.5	1.62	18	0.2
91TR18-022m	212	294	15	4.95	177.0	2610	0.4	0.5	34.0	5.62	23	< 0.1
91TR18-025m	212	294	110	31.5	37.0	780	4.8	< 0.1	3.5	2.60	15	< 0.1
91TR18-030m	212	294	25	4.40	386	3570	0.4	2.2	69.5	4.43	16	< 0.1
91TR18-032m	212	294	15	3.45	69.0	2510	0.2	1.3	44.5	5.13	21	0.2

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PHONE: 604-984-0221

To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : 27-PUP
Comments: CC: SCOTT TOMLINSON

Certificate Date: 09-OCT-91
Invoice No. :I9122580
P.O. Number :

CERTIFICATE OF ANALYSIS A9122580

SAMPLE	PREP CODE		La ppm	Mn ppm	Mo ppm	Pb ppm	Sb ppm	Sr ppm	Tl ppm	V ppm	W ppm	Zn ppm
39959	212	294	< 10	695	1.0	4	< 0.2	46	< 0.5	38	20	47
39960	212	294	< 10	845	1.0	18	0.8	39	< 0.5	130	10	198
39961	212	294	< 10	165	2.5	47	2.4	98	0.5	88	10	7
39962	212	294	< 10	100	4.5	19	0.8	32	< 0.5	91	< 10	4
39963	212	294	< 10	70	2.5	54	6.0	53	< 0.5	98	< 10	38
39964	212	294	< 10	6490	4.5	108	3.2	33	< 0.5	69	10	1355
39965	212	294	< 10	300	3.0	118	8.2	63	1.0	91	20	176
39966	212	294	< 10	80	3.0	38	1.8	24	< 0.5	92	< 10	8
39967	212	294	< 10	620	1.0	8	0.4	21	< 0.5	87	20	102
39968	212	294	< 10	645	7.5	58	2.2	37	< 0.5	96	20	233
39971	212	294	< 10	690	2.5	24	2.8	29	< 0.5	166	10	173
39972	212	294	< 10	165	4.0	65	3.8	74	1.5	95	10	71
39973	212	294	< 10	140	4.5	19	6.6	58	< 0.5	56	10	32
91TR16-003m	212	294	< 10	240	1.5	8	< 0.2	20	< 0.5	36	< 10	38
91TR16-026m	212	294	< 10	1115	2.0	50	0.2	50	< 0.5	131	20	163
91TR16-030m	212	294	< 10	875	2.0	34	< 0.2	76	< 0.5	117	10	126
91TR16-045m	212	294	< 10	215	1.0	20	< 0.2	21	1.0	5	10	56
91TR16-047m	212	294	< 10	200	1.0	17	< 0.2	40	< 0.5	6	10	22
91TR16-050m	212	294	< 10	220	0.5	18	< 0.2	30	< 0.5	3	10	26
91TR16-053m	212	294	< 10	230	1.0	13	< 0.2	23	< 0.5	9	10	34
91TR17-011m	212	294	< 10	740	2.0	58	0.4	38	1.5	47	< 10	196
91TR17-017m	212	294	< 10	1105	1.0	66	0.8	31	< 0.5	138	< 10	305
91TR17-020m	212	294	< 10	690	1.0	10	1.2	48	< 0.5	100	< 10	199
91TR17-021m	212	294	< 10	155	2.0	135	10.2	122	3.0	85	< 10	17
91TR17-026m	212	294	< 10	150	2.0	112	18.0	57	< 0.5	73	< 10	42
91TR17-028m	212	294	< 10	490	4.5	339	53.6	50	0.5	78	< 10	305
91TR17-032m	212	294	< 10	175	2.0	76	5.4	42	< 0.5	91	< 10	12
91TR17-037m	212	294	< 10	390	4.5	140	38.6	99	< 0.5	90	< 10	427
91TR17-055m	212	294	< 10	180	2.0	9	1.4	76	< 0.5	89	< 10	75
91TR18-005m	212	294	< 10	160	Minrlzd	Minrlzd	Minrlzd	221	< 0.5	76	10	Minrlzd
91TR18-008m	212	294	< 10	135	3.0	11	1.4	111	< 0.5	53	< 10	14
91TR18-016m	212	294	< 10	190	2.5	17	5.4	63	2.5	55	< 10	63
91TR18-019m	212	294	< 10	160	5.0	29	4.6	21	0.5	113	< 10	9
91TR18-022m	212	294	< 10	690	9.5	18	3.8	107	1.0	163	< 10	82
91TR18-025m	212	294	< 10	190	3.5	91	2.4	76	< 0.5	91	< 10	7
91TR18-030m	212	294	10	575	12.0	42	4.6	43	< 0.5	160	< 10	316
91TR18-032m	212	294	< 10	2060	2.5	18	3.6	53	< 0.5	170	< 10	131

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LITTLE ELDO
Comments: CC: SCOTT TOMLINSON

Certificate Date: 04-OCT-91
Invoice No. :I9122581
P.O. Number :

CERTIFICATE OF ANALYSIS A9122581

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
39969	212	294	< 5	0.2	0.84	20	270	< 0.5	< 2	0.15	0.5	2	12	18	1.44	< 10	< 1	0.34	30	0.60	285
39970	212	294	< 5	0.2	0.34	5	330	< 0.5	2	< 0.01	< 0.5	< 1	6	4	0.61	< 10	< 1	0.29	20	0.07	20
91TR15-003m	212	294	< 5	0.2	1.54	10	340	< 0.5	< 2	0.30	1.0	6	29	22	1.90	< 10	< 1	0.47	20	0.54	430
91TR15-006m	212	294	< 5	1.6	2.21	265	2380	< 0.5	2	0.42	2.0	12	51	61	3.43	< 10	< 1	0.17	20	1.61	620
91TR15-009m	212	294	< 5	< 0.2	0.94	110	300	< 0.5	< 2	0.18	< 0.5	4	10	7	2.17	< 10	< 1	0.15	20	0.48	230
91TR15-017m	212	294	< 5	< 0.2	0.71	< 5	280	< 0.5	2	0.35	< 0.5	2	10	3	1.18	< 10	< 1	0.29	20	0.26	305

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To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LITTLE ELDO
Comments: CC: SCOTT TOMLINSON

Certificate Date: 04-OCT-91
Invoice No. : 19122581
P.O. Number :

CERTIFICATE OF ANALYSIS A9122581

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
39969	212	294	< 1	0.02	5	340	26	< 5	2	18	0.01	< 10	< 10	7	< 10	78
39970	212	294	1	0.01	2	40	14	< 5	< 1	5	< 0.01	< 10	< 10	< 1	< 10	4
91TR15-003m	212	294	< 1	0.01	14	690	10	< 5	3	23	< 0.01	< 10	< 10	39	< 10	114
91TR15-006m	212	294	3	< 0.01	48	1170	20	5	4	39	< 0.01	< 10	< 10	58	< 10	196
91TR15-009m	212	294	1	0.01	5	430	20	< 5	4	11	< 0.01	< 10	< 10	11	< 10	66
91TR15-017m	212	294	< 1	< 0.01	4	260	10	< 5	1	28	< 0.01	< 10	< 10	7	< 10	30

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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

To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LONE STAR/DAWSON
Comments: ATTN: LARRY MCLEAN CC: A.TROUP

Certificate Date: 21-OCT-91
Invoice No. :19123228
P.O. Number :

CERTIFICATE OF ANALYSIS A9123228

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
2590	205	294	15	0.20	20.5	0.2	9.5	< 0.1	0.5	20	< 0.2	17
2591	205	294	< 5	0.25	99.0	< 0.2	3.5	< 0.1	0.5	30	3.6	19
2593	205	294	< 5	0.25	13.5	0.2	14.5	< 0.1	0.5	46	1.0	85
2594	205	294	< 5	0.30	17.0	< 0.2	11.5	0.4	1.0	24	1.0	74
2595	205	294	< 5	0.25	14.5	< 0.2	1.5	< 0.1	0.5	18	0.4	8
2596	205	294	< 5	0.35	5.5	0.2	6.5	< 0.1	< 0.5	38	< 0.2	25
2597	205	294	< 5	0.40	10.0	0.4	9.5	< 0.1	< 0.5	55	0.6	38
2598	205	294	< 5	0.05	1.5	0.2	2.0	< 0.1	0.5	10	< 0.2	14
2599	205	294	< 5	0.25	16.0	0.2	8.5	< 0.1	< 0.5	21	< 0.2	67
2600	205	294	< 5	0.10	51.5	< 0.2	6.0	< 0.1	0.5	18	< 0.2	50
39974	205	294	< 5	0.10	4.0	< 0.2	3.5	< 0.1	0.5	87	< 0.2	6
39975	205	294	< 5	0.10	0.5	< 0.2	3.0	< 0.1	0.5	3	< 0.2	9
39976	205	294	< 5	0.15	2.0	0.2	7.0	< 0.1	0.5	16	< 0.2	44
39977	205	294	< 5	0.45	7.0	0.4	11.5	< 0.1	2.0	21	< 0.2	9
39978	205	294	95	0.55	2.0	0.2	24.5	< 0.1	0.5	15	< 0.2	74
39979	205	294	10	0.20	5.0	< 0.2	6.5	< 0.1	< 0.5	18	< 0.2	49
517592	205	294	< 5	< 0.05	2.5	< 0.2	2.5	0.3	< 0.5	3	< 0.2	5
517593	205	294	< 5	0.05	< 0.5	< 0.2	2.5	< 0.1	0.5	8	< 0.2	7
517594	205	294	< 5	0.05	0.5	< 0.2	0.5	< 0.1	< 0.5	6	< 0.2	8
517595	205	294	< 5	0.10	2.0	< 0.2	1.5	< 0.1	0.5	26	< 0.2	56
517596	205	294	< 5	0.50	14.5	< 0.2	3.0	< 0.1	1.0	39	< 0.2	210
517597	205	294	< 5	0.55	3.0	0.6	13.0	< 0.1	0.5	5	0.4	147
517598	205	294	< 5	0.10	10.5	0.2	0.5	< 0.1	1.0	15	< 0.2	5
517599	205	294	< 5	0.10	62.0	< 0.2	4.0	< 0.1	1.0	12	0.6	120
517600	205	294	< 5	0.60	206	0.2	84.5	< 0.1	5.0	12	0.2	168
87TR6-66	205	294	1300	1.60	1915	0.2	8.5	< 0.1	0.5	24	2.0	48
87TR7-63	205	294	2720	1.35	914	0.6	7.5	< 0.1	0.5	18	1.4	51
87TR7-64	205	294	410	0.65	188.5	< 0.2	4.5	< 0.1	0.5	11	0.4	18
89TR4-66	205	294	20	0.25	28.0	< 0.2	9.5	< 0.1	0.5	22	1.8	45
89TR4-67	205	294	15	0.35	41.5	< 0.2	12.0	0.3	1.0	22	0.2	66
91TR20-0-4	205	294	< 5	0.25	38.5	< 0.2	17.0	< 0.1	1.0	10	0.6	76
91TR20-4-8	205	294	< 5	0.30	64.0	< 0.2	21.5	< 0.1	1.5	16	1.2	83
91TR20-8-10	205	294	65	0.50	1885	0.2	17.0	< 0.1	1.5	13	2.2	76
91TR20-10-12	205	294	1280	1.25	1365	0.2	13.5	< 0.1	1.5	19	0.6	72
91TR20-12-13	205	294	2310	2.05	1845	< 0.2	14.5	< 0.1	1.5	9	1.6	47
91TR20-13-14	205	294	2860	2.30	570	< 0.2	8.0	< 0.1	2.0	13	0.8	36
91TR20-14-16	205	294	475	0.55	831	< 0.2	8.0	< 0.1	0.5	26	0.8	45
91TR20-16-18	205	294	160	0.25	132.5	< 0.2	8.5	0.1	0.5	24	< 0.2	77
91TR20-18-22	205	294	45	0.40	85.5	0.2	14.5	< 0.1	1.0	39	< 0.2	84
91TR20-22-26	205	294	70	0.25	91.5	< 0.2	11.0	0.3	0.5	22	< 0.2	83

CERTIFICATION: B. Caufield

Chemex Labs Ltd.

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To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LONE STAR/DAWSON
Comments: ATTN: LARRY MCLEAN CC: A.TROUP

Certificate Date: 21-OCT-91
Invoice No. :I9123228
P.O. Number :

CERTIFICATE OF ANALYSIS A9123228

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
91TR20-26-30	205	294	35	0.15	65.0	< 0.2	11.5	< 0.1	0.5	39	< 0.2	97
91TR20-30-34	205	294	60	0.35	76.0	< 0.2	19.0	< 0.1	1.0	82	< 0.2	102
91TR20-34-38	205	294	25	0.25	29.5	0.2	14.0	< 0.1	0.5	17	< 0.2	52
91TR20-38-42	205	294	20	0.30	17.0	0.2	29.0	0.2	0.5	15	0.2	35
91TR20-42-46	205	294	10	0.30	11.0	< 0.2	20.5	0.2	0.5	17	< 0.2	35
91TR20-46-50	205	294	< 5	0.25	12.0	0.2	16.5	< 0.1	1.0	27	< 0.2	71
91TR20-50-54	205	294	< 5	0.15	8.5	0.2	11.0	< 0.1	1.0	22	< 0.2	87
91TR20-54-58	205	294	< 5	0.35	12.0	< 0.2	14.0	0.6	2.0	91	0.6	156
91TR20-58-62	205	294	< 5	0.55	14.0	< 0.2	24.0	< 0.1	3.0	187	0.4	253
91TR20-62-64	205	294	< 5	0.35	11.0	0.2	35.5	0.1	2.0	96	< 0.2	144
91TR20-64-66	205	294	< 5	0.75	7.0	0.4	80.5	< 0.1	1.0	19	0.2	46
91TR20-66-68	205	294	< 5	0.45	7.5	0.2	45.0	< 0.1	0.5	19	0.4	27

CERTIFICATION: B. Caughlin

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To: ARBOR RESOURCES INC. *

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

Project : LONE STAR, DAWSON
Comments: CC: ART TROUP

Certificate Date: 24-OCT-91
Invoice No. :I9123369
P.O. Number :

CERTIFICATE OF ANALYSIS A9123369

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
91TR21 0+00W	201 --	115	0.35	24.5	0.2	25.5	< 0.1	1.0	14	0.4	81
91TR21 0+10W	201 --	810	0.65	57.5	< 0.2	27.0	< 0.1	1.5	20	0.8	101
91TR21 0+20W	201 --	305	0.90	19.5	< 0.2	24.5	< 0.1	1.0	24	0.4	119
91TR21 0+40W	201 --	185	0.30	5.5	0.2	25.0	< 0.1	1.5	34	0.6	123
91TR21 0+50W	201 --	55	0.40	4.0	< 0.2	21.0	< 0.1	0.5	34	0.4	89
91TR21 0+60W	201 --	60	0.75	3.5	< 0.2	14.5	< 0.1	0.5	53	0.4	89
91TR21 0+70W	201 --	20	0.30	3.5	< 0.2	23.5	< 0.1	0.5	21	< 0.2	108
91TR21 0+80W	201 --	50	0.25	3.0	< 0.2	18.5	< 0.1	0.5	31	< 0.2	95
7PUP-SHR	201 --	< 5	0.05	8.0	< 0.2	3.5	0.4	< 0.5	24	< 0.2	27
7PUP-SHR2	201 --	10	0.30	32.0	< 0.2	17.5	< 0.1	1.0	45	0.2	73
7PUP-SHR3	201 --	< 5	0.15	25.0	0.2	17.0	< 0.1	2.0	63	< 0.2	131
11PUP-SS	201 --	35	0.25	22.5	< 0.2	9.0	< 0.1	1.5	9	0.2	119
11PUP 0+00N	201 --	15	0.90	6.5	< 0.2	17.0	< 0.1	1.0	10	0.2	141
11PUP 0+10N	201 --	5	0.70	9.5	< 0.2	18.0	< 0.1	1.0	11	< 0.2	143
11PUP 0+20N	201 --	5	0.45	8.0	< 0.2	17.5	< 0.1	0.5	9	0.2	111
11PUP 0+30N	201 --	< 5	0.40	10.5	< 0.2	17.5	< 0.1	0.5	10	< 0.2	111
11PUP 0+40N	201 --	< 5	0.50	9.0	< 0.2	19.5	< 0.1	0.5	10	0.2	123
11PUP 0+50N	201 --	< 5	0.20	6.5	< 0.2	13.5	< 0.1	0.5	6	< 0.2	89
E1W 10+00S	201 --	< 5	0.20	4.0	< 0.2	24.0	< 0.1	1.0	59	< 0.2	150
E1W 10+25S	201 --	< 5	0.20	5.5	< 0.2	19.5	0.2	1.0	16	< 0.2	79
E1W 10+50S	201 --	< 5	0.15	6.5	< 0.2	18.5	< 0.1	1.0	25	< 0.2	73
E1W 10+75S	201 --	< 5	0.20	5.0	0.2	15.5	< 0.1	1.0	26	< 0.2	73
E1W 11+00S	201 --	< 5	0.15	3.5	< 0.2	21.5	< 0.1	0.5	32	0.2	99
E1W 11+25S	201 --	< 5	0.10	7.0	< 0.2	13.5	< 0.1	0.5	13	0.2	81
E1W 11+25SA	201 --	< 5	0.20	11.0	< 0.2	12.0	< 0.1	1.0	20	< 0.2	81
E1W 11+75S	201 --	< 5	0.15	3.0	0.2	13.0	< 0.1	0.5	22	< 0.2	93
E1W 12+00S	201 --	< 5	0.30	6.5	< 0.2	20.0	< 0.1	1.0	22	< 0.2	89
E1W 12+25S	201 --	< 5	0.20	5.0	< 0.2	13.5	< 0.1	1.0	22	< 0.2	62
E1W 12+50S	201 --	< 5	0.30	3.5	< 0.2	14.5	< 0.1	0.5	26	< 0.2	62
E1W 12+75S	201 --	50	0.25	8.5	0.2	18.0	< 0.1	1.0	25	< 0.2	108
E1W 13+00S	201 --	< 5	0.30	8.0	< 0.2	16.5	< 0.1	1.5	41	< 0.2	122
E1W 13+25S	201 --	< 5	0.20	13.0	0.2	15.5	< 0.1	1.0	25	< 0.2	110
E1W 13+50S	201 --	< 5	0.30	8.5	< 0.2	18.5	< 0.1	1.5	38	< 0.2	118
E150E 12+50S	201 --	< 5	0.25	9.5	0.2	21.0	< 0.1	0.5	21	< 0.2	108
E150E 12+75S	201 --	< 5	0.30	13.0	0.4	26.0	< 0.1	1.0	28	< 0.2	159
E150E 13+00S	201 --	< 5	0.05	4.5	< 0.2	11.5	< 0.1	1.0	18	< 0.2	83
E150E 13+25S	201 --	< 5	0.15	7.5	0.2	14.0	< 0.1	1.0	23	< 0.2	75
E150E 13+50S	201 --	< 5	0.10	6.0	< 0.2	19.0	< 0.1	0.5	21	< 0.2	108
E150E 13+75S	201 --	< 5	0.15	4.0	0.2	20.5	< 0.1	1.0	27	< 0.2	105
E150E 14+00S	201 --	< 5	0.10	7.0	0.2	13.0	< 0.1	1.0	15	< 0.2	63

CERTIFICATION: B. Caplin

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To: ARBOR RESOURCES INC. *

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

Project : LONE STAR, DAWSON
Comments: CC: ART TROUP

Certificate Date: 24-OCT-91
Invoice No. : I9123369
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CERTIFICATE OF ANALYSIS A9123369

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
E150E 14+25S	201 --	< 5	0.15	5.5	0.4	17.0	< 0.1	0.5	13	0.4	76
E150E 14+50S	201 --	< 5	0.25	29.0	0.6	51.5	< 0.1	2.0	17	1.0	195
E150E 14+75S	201 --	< 5	0.35	13.5	0.4	44.5	< 0.1	2.5	35	0.4	126
E150E 15+00S	201 --	15	0.20	7.5	0.6	20.0	< 0.1	0.5	24	< 0.2	83
E150E 15+25S	201 --	< 5	0.20	5.5	0.2	11.0	< 0.1	< 0.5	17	< 0.2	72
E150E 15+50S	201 --	< 5	0.30	7.0	0.4	14.5	< 0.1	0.5	18	0.2	62
E150E 15+75S	201 --	< 5	0.30	5.0	0.6	15.0	< 0.1	< 0.5	18	< 0.2	68
ELD02E 15+00S	201 --	< 5	0.35	16.0	0.4	12.0	< 0.1	0.5	31	< 0.2	63
ELD02E 15+25S	201 --	< 5	0.85	13.5	0.4	16.0	< 0.1	1.0	36	0.2	91
ELD02E 15+50S	201 --	< 5	0.15	6.5	0.4	10.5	< 0.1	< 0.5	23	< 0.2	59
ELD02E 15+75S	201 --	30	0.25	7.5	0.2	11.0	0.1	< 0.5	21	0.4	54
ELD02E 16+00S	201 --	< 5	0.25	1.0	0.2	21.5	< 0.1	< 0.5	13	< 0.2	88
FB2-1	201 --	< 5	0.05	8.5	0.4	11.5	< 0.1	0.5	12	< 0.2	52
FB2-2	201 --	< 5	0.05	< 0.5	0.2	1.0	< 0.1	< 0.5	6	< 0.2	8
FB2-3	201 --	< 5	< 0.05	2.0	0.4	6.5	< 0.1	< 0.5	7	< 0.2	36
FB2-4	201 --	< 5	0.10	2.5	< 0.2	6.5	< 0.1	< 0.5	15	< 0.2	41
FG9E 5+00S	201 --	< 5	0.15	12.0	0.4	9.0	< 0.1	< 0.5	17	0.2	62
FG9E 5+25S	201 --	< 5	0.20	15.0	0.2	19.5	< 0.1	0.5	26	0.4	78
FG9E 5+50S	201 --	< 5	0.45	43.0	0.4	61.0	< 0.1	2.0	35	2.2	107
FG9E 5+75S	201 --	< 5	0.75	87.0	0.4	18.0	< 0.1	0.5	54	1.6	46
FG9E 6+00S	201 --	< 5	1.00	23.5	0.2	73.5	< 0.1	2.5	20	1.6	94
FG9E 6+25S	201 --	< 5	0.40	11.5	< 0.2	26.0	< 0.1	0.5	12	1.2	76
FG9E 6+50S	201 --	< 5	0.45	11.5	0.2	29.0	< 0.1	0.5	15	0.6	61
FG9E 6+75S	201 --	< 5	0.45	5.0	0.2	22.5	< 0.1	1.0	38	1.2	138
FG9E 7+00S	201 --	< 5	0.25	7.0	0.2	27.0	< 0.1	< 0.5	14	0.4	67
FG9E 7+25S	201 --	< 5	3.30	67.5	1.0	19.5	3.3	2.5	58	11.8	86
FG9E 7+50S	201 --	35	3.00	39.0	1.8	26.0	1.2	2.5	65	3.4	101
FG9E 7+75S	201 --	5	2.20	17.5	3.8	22.5	< 0.1	3.0	55	1.4	105
FG9E 8+00S	201 --	20	1.15	20.0	0.6	21.0	< 0.1	3.5	54	1.8	117
FG9E 8+25S	201 --	15	1.50	26.5	0.6	30.5	0.2	2.0	169	3.2	441
FG9E 8+50S	201 --	< 5	0.40	44.0	0.4	30.0	< 0.1	1.5	28	1.8	200
FG9E 8+75S	201 --	< 5	0.30	36.5	0.6	23.0	< 0.1	0.5	29	0.8	144
FG9E 9+00S	201 --	< 5	0.45	29.5	0.4	28.0	< 0.1	1.5	42	1.8	140
LS28W 8+75S	201 --	< 5	0.15	9.5	0.4	18.0	< 0.1	0.5	22	0.6	80
LS29W 8+00S	201 --	< 5	0.20	5.5	0.4	8.0	0.1	0.5	12	< 0.2	45
LS29W 8+25S	201 --	< 5	0.20	6.0	0.4	9.0	< 0.1	0.5	13	< 0.2	51
LS29W 8+50S	201 --	< 5	0.20	5.0	0.2	9.5	< 0.1	0.5	15	< 0.2	51
LS29W 8+75S	201 --	30	0.25	5.0	0.4	14.0	< 0.1	0.5	15	< 0.2	52
LS29W 9+00S	201 --	20	0.20	8.0	0.2	12.0	< 0.1	0.5	15	0.2	54
LS29W 9+25S	201 --	120	0.30	5.5	0.2	14.0	0.1	0.5	17	< 0.2	52

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
LS29W 9+50S	201 --	< 5	0.05	3.0	< 0.2	9.0	< 0.1	0.5	22	< 0.2	32
LS29W 9+75S	201 --	< 5	0.15	5.5	0.2	21.5	< 0.1	0.5	16	< 0.2	54
LS30W 9+00S	201 --	< 5	0.10	7.0	0.4	11.5	< 0.1	0.5	13	< 0.2	50
LS30W 9+25SA	201 --	4930	1.75	22.0	0.4	49.5	< 0.1	1.0	128	0.8	473
LS30W 9+25S	201 --	10	0.05	8.5	< 0.2	10.0	< 0.1	0.5	21	< 0.2	49
LS30W 9+50S	201 --	20	0.15	38.5	1.0	47.0	< 0.1	2.0	160	0.2	287
LS30W 9+75S	201 --	10	0.20	12.5	0.2	17.0	< 0.1	1.0	45	< 0.2	132
LS32W 10+00S	201 --	< 5	< 0.05	14.0	0.2	11.0	< 0.1	0.5	11	0.2	45
LS34W 10+50S	201 --	< 5	0.05	6.5	0.2	9.5	< 0.1	0.5	14	< 0.2	46
LS34W 10+75S	201 --	< 5	0.05	6.0	0.2	10.5	< 0.1	0.5	13	< 0.2	47
LS34W 11+00S	201 --	5	0.20	29.5	0.2	24.5	< 0.1	0.5	14	0.4	105
LS34W 12+25S	201 --	10	0.75	8.0	0.6	20.5	< 0.1	0.5	43	< 0.2	100
LS34W 12+50S	201 --	< 5	0.25	51.0	0.4	27.0	< 0.1	2.0	23	3.2	131
LS34W 12+75S	201 --	< 5	0.20	8.0	0.2	17.0	< 0.1	0.5	12	< 0.2	61

CERTIFICATION: B. Caplin

Chemex Labs Ltd.

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

To: HASTINGS MANAGEMENT CORP. *

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project : LONE STAR / DAWSON
Comments: ATTN: LARRY MCLEAN CC: ART TROUP

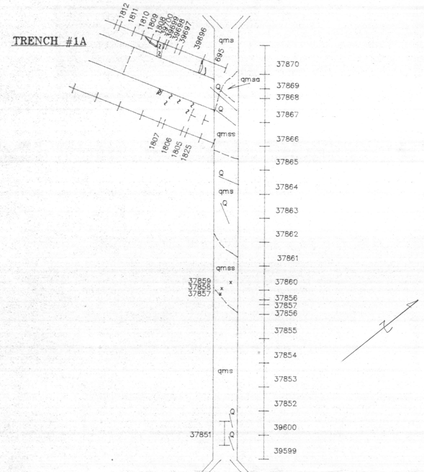
Certificate Date: 24-OCT-91
Invoice No. :I9123473
P.O. Number :

CERTIFICATE OF ANALYSIS A9123473

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
FG9E 7+12S	201 --	< 5	2.15	56.0	0.6	16.0	0.1	2.0	43	4.0	73
FG9E 7+37S	201 --	< 5	2.40	64.5	1.6	21.5	7.3	3.0	72	9.8	98
FG9E 7+62S	201 --	< 5	2.20	31.5	4.4	28.5	0.2	2.5	87	1.4	114
FG9E 7+87S	201 --	< 5	1.85	13.5	4.4	21.5	0.3	1.5	54	1.4	82
FG735S 0+75E	201 --	110	0.20	8.0	0.2	13.0	< 0.1	0.5	9	< 0.2	70
FG735S 0+90E	201 --	< 5	0.10	19.0	0.4	16.0	< 0.1	0.5	14	< 0.2	73
FG735S 1+05E	201 --	< 5	0.15	18.5	0.4	19.0	< 0.1	0.5	14	< 0.2	73
FG735S 1+20E	201 --	< 5	0.80	6.0	< 0.2	16.0	< 0.1	< 0.5	21	< 0.2	113
FG735S 1+35E	201 --	15	0.60	4.5	0.4	12.0	< 0.1	0.5	22	< 0.2	50
FG735S 1+50E	201 --	< 5	0.15	8.0	0.2	15.0	< 0.1	0.5	13	< 0.2	58
FG735S 1+65E	201 --	< 5	0.15	9.0	0.2	16.0	< 0.1	0.5	15	< 0.2	67
FG735S 1+80E	201 --	< 5	0.10	7.0	0.4	13.0	< 0.1	0.5	16	< 0.2	61
FG735S 1+95E	201 --	25	0.10	7.5	0.2	14.0	< 0.1	0.5	16	0.2	67
FG735S 2+10E	201 --	30	0.40	6.0	0.2	9.0	< 0.1	0.5	13	0.2	61
GLACIER SS	201 --	10	0.25	10.0	< 0.2	14.5	< 0.1	0.5	18	0.2	64
89TR4 0+00E	201 --	60	0.40	54.0	0.4	14.5	< 0.1	1.0	38	0.6	57
89TR4 0+25E	201 --	40	0.20	64.5	0.2	16.0	< 0.1	1.0	31	1.2	53
89TR4 0+50E	201 --	10	0.15	26.0	0.2	19.0	< 0.1	1.0	22	1.0	65
89TR4 0+62E	201 --	< 5	0.05	28.5	0.2	27.0	< 0.1	1.0	32	2.0	84
89TR4 0+75E	201 --	< 5	0.05	19.5	0.2	26.0	< 0.1	1.0	25	0.8	81
89TR4 1+00E	201 --	< 5	0.10	7.5	0.4	38.0	< 0.1	1.0	42	0.8	97
89TR4 1+25E	201 --	20	0.10	10.0	0.4	21.0	< 0.1	0.5	37	1.4	75
89TR4 1+50E	201 --	< 5	0.05	4.5	0.2	10.5	< 0.1	0.5	23	0.4	38
91TR19 0+00E	201 --	25	0.05	3.0	0.2	9.5	< 0.1	< 0.5	25	0.4	37
91TR19 0+12E	201 --	110	0.05	2.5	< 0.2	9.5	< 0.1	< 0.5	41	0.2	50
91TR19 0+25E	201 --	15	0.05	1.5	0.2	11.0	< 0.1	< 0.5	31	0.6	52
91TR19 0+37E	201 --	90	< 0.05	3.0	< 0.2	6.5	< 0.1	< 0.5	29	0.2	31
91TR19 0+50E	201 --	< 5	< 0.05	3.0	0.2	7.5	< 0.1	< 0.5	32	0.4	48
91TR19 0+62E	201 --	< 5	< 0.05	3.0	0.2	6.0	< 0.1	< 0.5	23	< 0.2	24
91TR19 0+75E	201 --	< 5	0.05	3.5	< 0.2	7.5	< 0.1	< 0.5	36	< 0.2	23

CERTIFICATION: B. Caughlin

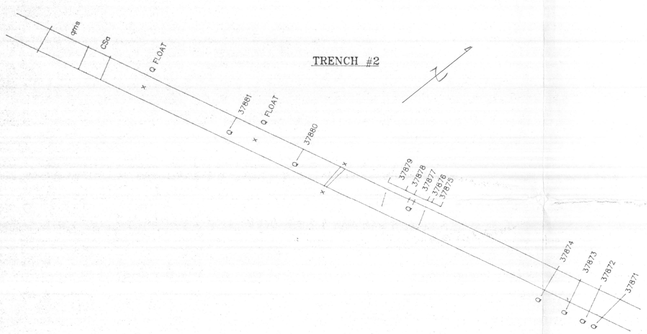
TRENCH #1



ROAD

TRENCH #1A

TRENCH #2



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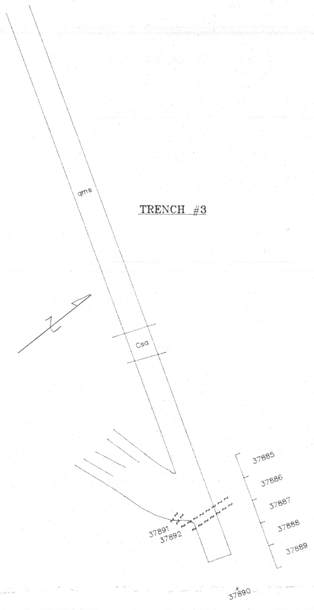

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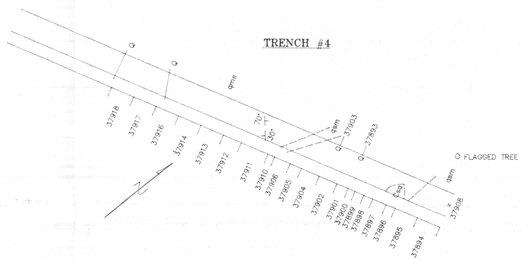
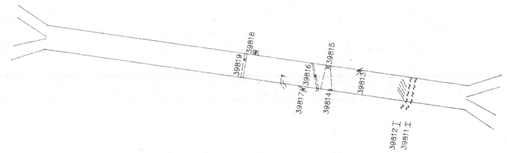


SQ TRENCH



SCALE 1:500

0 5 10 15 20 25

METRES

LEGEND

qms	LIGHT TO DARK BROWN WEATHERING QUARTZ MUSCOVITE SCHIST
qmsa	LIGHT TO DARK BROWN WEATHERING ALTERED QUARTZ MUSCOVITE SCHIST
qmss	LIGHT GREEN TO BUFF BLOCKY SILICEOUS BANDED QUARTZ MUSCOVITE SCHIST, WITH FREQUENT QUARTZ VEINING AND LENTICULAR WHITE QUARTZ EYES < 3%, < 4mm
qmq	LIGHT GREEN CLAY RICH (ALTERATION ZONE) WELL FOLIATED qms
q	QUARTZ VEIN
qsm	SILVERY GREY WEATHERING SERICITE QUARTZ SCHIST
CSa	FOLIATED DARK GREY TO BLACK MUSCOVITE QUARTZ SCHIST
70°	ATTITUDE
	FAULT
	DEFINED GEOLOGICAL BOUNDARY
	INFERRED GEOLOGICAL BOUNDARY
×	ROCK CHIP SAMPLE LOCATION

NOTE: MAP BY C. MARRIOTT

ARBOR RESOURCES INC.

LONE STAR PROPERTY

DAWSON MINING DISTRICT, Y.T.

27 PUP TRENCH MAP

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

~~092969~~ FIGURE: 6

092300