ARCHER, CATHRO
& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

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ASSESSMENT REPORT

describing

GEOLOGICAL MAPPING AND GEOCHEMICAL SURVEYS

on the

EUREKA PROPERTY

Armenius 1-16	YC13007-YC13022
89-136	YC13605-YC13652
153-156	YC13669-YC13672
Eureka 1-56	YC12951-YC13006
57-182	YC13701-YC13826
189-202	YC13833-YC13846

NTS 105O/10
Latitude 63°32'N; Longitude 138°52'W

094203

in the

Dawson Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

EUREKA JOINT VENTURE
(Nordac Resources Ltd. - 50%
Expatriate Resources Ltd. - 50%)

by

W.A. Wengzynowski, P.Eng.
November, 2000

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This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 64,000.

MB

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

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SUMMARY AND RECOMMENDATIONS

The Eureka property is owned by Eureka Joint Venture (50% Expatriate Resources Ltd. and 50% Nordac Resources Ltd.) and consists of two adjoining properties, Eureka and Armenius, totalling 264 mineral claims. The property is located 65 km southeast of Dawson City in west-central Yukon. Access is provided by the Hunker Creek road system which extends 90 km from the Klondike Highway directly onto the property.

The Eureka and Armenius claims occupy approximately 5500 hectares in the central part of the Klondike Goldfields and cover potential lode gold source areas for two of the most productive placer gold creeks in Yukon. Reported gold production from Eureka and Black Hills Creeks, which drain the property, is in excess of 140,000 ounces. The Klondike Goldfields lie within the Tintina Gold Belt which extends across Alaska and Yukon hosting numerous historic placer camps and recent lode discoveries. Like most of the gold districts within this belt, the Klondike Goldfields are largely underlain by metasedimentary and metaplutonic rocks of the Yukon-Tanana Terrane that are intruded by Mid-Cretaceous granitic stocks and cut by numerous high angle and thrust faults. During the last decade exploration in Alaska and Yukon has located several large gold deposits within old placer camps, including Fort Knox, Pogo, Donlin Creek and Dublin Gulch. The potential of the Klondike Goldfields is indicated by its approximately 12,000,000 ounces of placer gold production compared to only 4,255 ounces mined from lode sources.

Topography in the property area is subdued because it escaped Pleistocene and Pliocene glaciation. Elevations range from 560 to 1300 m and most parts of the property exhibit mature soil and heavy vegetation. Outcrop is rare.

Exploration at the Eureka property is targeted toward distal type, intrusive related lode gold mineralization. Work to date has identified two areas of mineralization, one associated with high angle structures and the other with a regional scale thrust fault.

Work conducted during summer and fall 2000 focussed on grid soil sampling within the headwaters of Eureka Creek where encouraging results were obtained from reconnaissance soil sampling and prospecting in fall 1999. Grid sampling covered a 3000 by 1100 m area with soils taken at 50 m intervals on lines spaced 200 m apart. Samples were also collected at 100 m intervals along a 3 km section of the placer access road south of the grid. Clusters of anomalous gold response (>25 ppb) were intermittently outlined along a 5000 m northward trending corridor ranging between 200 and 500 m in width. Some of the highest values approximately coincide with three areas where gold bearing float has been discovered (Wealth Showing, Allen Showing and Childs Showing).

The most cohesive gold geochemical anomaly (Wealth Showing) is 800 by 250 m and is situated at the headwaters of Eureka Creek. Bulldozer trenches excavated within the southern part of this anomaly by previous owners exposed north to northeast trending crackle and milled breccia zones, chip samples from one of which returned a weighted average 0.33 g/t gold across 6.5 m. To follow

up and better define the area of interest additional soils were taken from the bottoms of a series of forty-three hand pits excavated at 100 by 25 m intervals within this anomaly. The deeper, infill sampling returned higher gold response (up to 1.61 g/t) and demonstrated continuity of anomalous values. Comparing samples from the original grid sites to those from the deeper pits showed an average gold grade increase of 21%. Profile samples (2 to 4 kg) were also collected from the hand pits that contained substantial quantities of breccia float. When panned, thirteen of twenty-three samples yielded one or more gold grains. Composite samples of moderately to strongly limonitic crackle and milled breccia float collected from two hand pits (25 m apart) in the northernmost part of the detail grid returned 1.85 and 1.40 g/t gold. Positive geochemical response and breccia float extends beyond the northern and southern boundaries of the detail grid.

Gold values up to 15.00 g/t were reported from breccia specimens at the Allen Showing (1000 m northeast of the Wealth Showing) during the 1999 season. A sample of similar float material collected at the same site in 2000 exhibited excellent reproducibility, yielding 14.42 g/t gold. The source of the float has not yet been discovered.

The Childs Showing is situated 2000 m south of the Wealth Showing and is defined by several anomalous gold-in-soil values (up to 525 ppb) along the placer access road. Float specimens of crackle and milled quartz vein breccia collected at various locations along the road assayed between 0.46 and 3.97 g/t gold. Chip samples from a hand trench excavated in the vicinity of a breccia float train partially exposed a zone containing mixed crackle breccia and gouge that yielded a weighted average 0.31 g/t gold across 3.30 m.

Float and outcrop mapping indicate the area of interest is underlain by a thick section of relatively flat lying quartzite and quartz mica schist that is cut by narrow aplite and feldspar porphyry dykes. This geological setting is considered to be favourable for auriferous breccia structures which are likely the source of placer gold in the local creeks. A high density of airphoto lineaments are present in the vicinity of all three showings and appear to extend well beyond the confines of the geochemical anomalies. Only a few structures associated with relatively subtle airphoto lineaments have been partially tested by mechanized and/or hand trenches. The areas containing the highest gold-in-soil values and best grade breccia samples have not yet been trenched.

Lode gold in the lower part of Eureka Creek is hosted by highly fractured and sheared rocks in the footwall of a major thrust fault that trends eastward across the Armenius property. Six samples were taken from a shear zone exposed along the floor of a placer cut in 1999. One sample returned 75.38 g/t gold and 22.2 g/t silver but low values for other pathfinder elements. At the time of sampling, a placer operator was sluicing fractured and sheared rock some 2 m below the bedrock-gravel interface and producing an average of about six ounces of gold per hour. A series of semi-continuous grab samples taken from a similar 3.5 g/t exposure in 2000 returned generally low values ranging up to 740 ppb gold across a 5 m interval. The best gold response in 2000 was from a 1.5 m profile sample of soil mixed with rusty channel gravels lying immediately above the sheared bedrock. Soil geochemical response from this target is subdued because the entire area is covered by a thick layer of fluvial gravel.

Additional exploration is recommended in two phases. Close spaced grid soil geochemical surveys should be conducted both north and south of the existing grid along the main northward structural and geochemical trend. The sampling should also be expanded laterally to cover all untested structural lineaments in the vicinity of the existing grid. This work should be done in conjunction with close spaced hand pitting in areas of previously defined geochemical anomalies to better delineate anomalous trends and lithological associations. Phase 2 should incorporate excavator trenching and detailed mapping to delineate structures associated with gold-in-soil geochemical anomalies. Diamond and/or rotary percussion drilling may be warranted to further test targets identified by Phase 2 exploration.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

W.A. Wengzynowski, P.Eng.

INTRODUCTION

The Eureka property consists of 264 mineral claims held by Eureka Joint Venture which is owned 50% by Expatriate Resources Ltd. and 50% by Nordac Resources Ltd. The property consists of two adjoining claim blocks, Eureka and Armenius.

The claims are situated in the central part of the Tintina Gold Belt, a loosely defined 2100 km long zone of gold and silver deposits extending across Alaska and Yukon. This belt is estimated to contain in excess of 69 million ounces of gold based on reported past production and current resource figures. The Eureka property covers the headwaters of productive placer creeks that are part of the world class Klondike Goldfields.

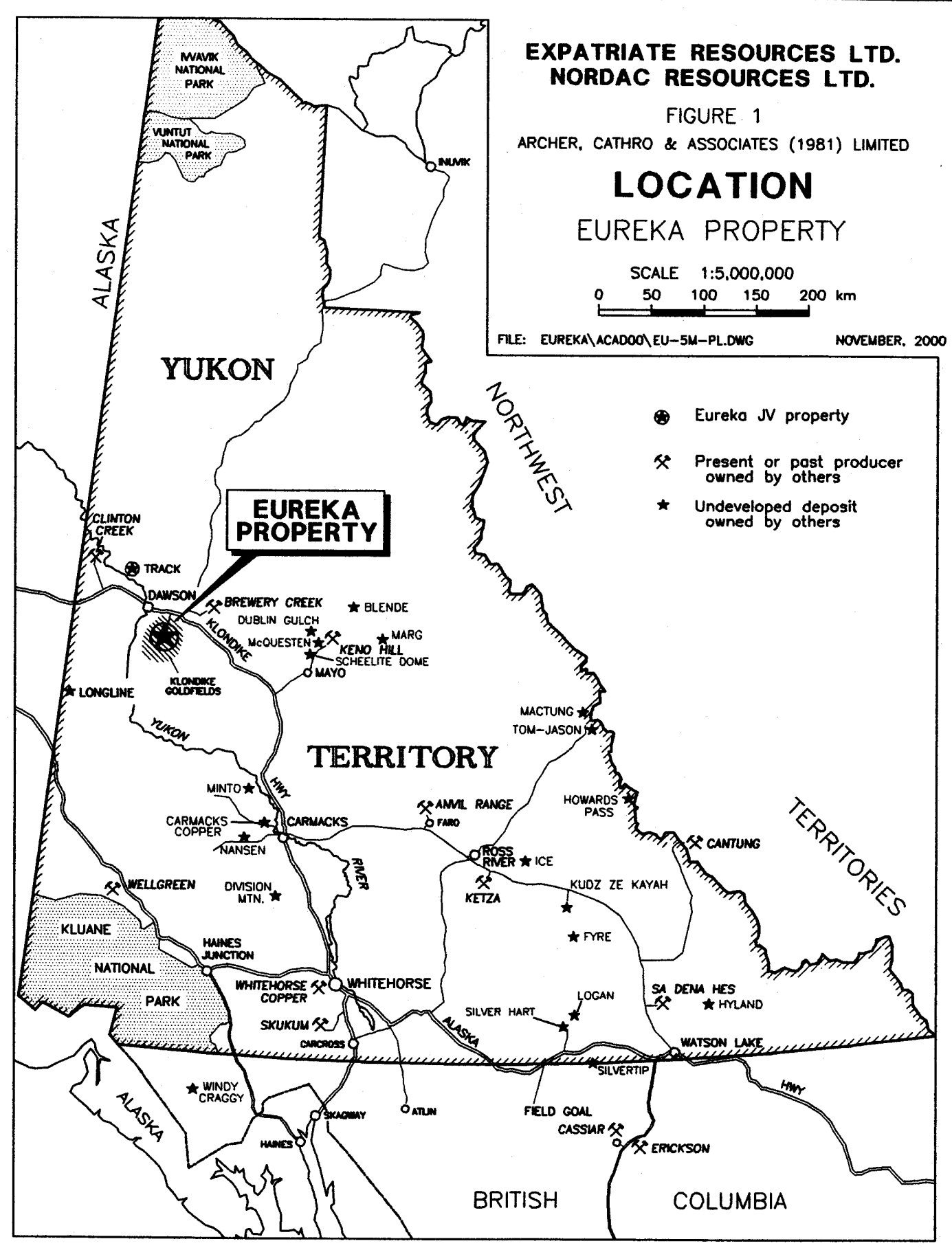
Work conducted in 2000 was done at various times between June and September by two or three person crews working from a tent camp on the property. The program was managed by Archer, Cathro & Associates (1981) Limited and supervised by the author. Appendix I contains the Author's Statement of Qualifications.

PROPERTY, LOCATION AND ACCESS

The property is located in west-central Yukon at latitude 63°32'N and longitude 138°52'W on NTS map sheet 115O/10 (Figure 1). It consists of 264 contiguous mineral claims registered with the Dawson Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Eureka Joint Venture. Claim registration data are listed below while Figure 2 shows claim locations.

Claim Name	Grant Number	Expiry Date*
Armenius 1-16	YC13007-YC13022	February 15, 2002
89-136	YC13605-YC13652	February 15, 2002
153-156	YC13669-YC13672	February 15, 2002
Eureka 1-56	YC12951-YC13006	February 15, 2002
57-182	YC13701-YC13826	February 15, 2002
189-202	YC13833-YC13846	February 15, 2002

*Expiry dates do not include 2000 work which has not yet been filed for assessment credit.


EXPATRIATE RESOURCES LTD.
NORDAC RESOURCES LTD.
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
LOCATION
EUREKA PROPERTY
SCALE 1:5,000,000
0 50 100 150 200 km
FILE: EUREKA\ACAD00\EU-5M-PL.DWG
NOVEMBER, 2000
Eureka JV property
Present or past producer owned by others
Undeveloped deposit owned by others
EUREKA PROPERTY
YUKON
TERRITORY
NORTHWEST
TERRITORIES
ALASKA
BRITISH
COLUMBIA
IVVAVIK NATIONAL PARK
VUNTUT NATIONAL PARK
KLUANE NATIONAL PARK
INUVIK
CLINTON CREEK
TRACK
DAWSON
BREWERY CREEK
BLENDE
DUBLIN GULCH
McQUESTEN
MARG
KENO HILL
SCHEELITE DOME
MAYO
KLONDIKE
KLONDIKE GOLDFIELDS
LONGLINE
YUKON
MACTUNG
TOM-JASON
MINTO
HWY
ANVIL RANGE
FARO
HOWARDS PASS
CARMACKS COPPER
CARMACKS
NANSEN
ROSS RIVER
ICE
CANTUNG
WELLGREEN
DIVISION MTN.
RIVER
KETZA
KUDZ ZE KAYAH
FYRE
HAINES JUNCTION
WHITEHORSE COPPER
WHITEHORSE
SA DENA HES
HYLAND
LOGAN
SILVER HART
SKUKUM
CARCROSS
ALASKA
WATSON LAKE
SILVERTIP
WINDY CRAGGY
SKAGWAY
ATLIN
FIELD GOAL
CASSIAR
ERICKSON
HAINES

EXPATRIATE RESOURCES LTD.
NORDAC RESOURCES LTD.

FIGURE 2
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION

EUREKA PROPERTY

SCALE 1:50,000
0 500 1000 1500 2000m

DRAFTED BY: AG	PROJECT: EUREKA
FILE: ...EUREKA\ACAD00\EU50CLOC.DWG	DATE: NOVEMBER, 2000

605 000 E

7 060 000 N

7 050 000 N

7 045 000 N

610 000 E

ARMENIUS CLAIMS

91	92	95	96	107	108	119	120	131	132		
89	90	93	94	105	106	117	118	129	130		
7	8	15	16	103	104	115	116	127	128	133	135
5	6	13	14	101	102	113	114	125	126	134	136
3	4	11	12	99	100	111	112	123	124	153	155
1	2	9	10	97	98	109	110	121	122	154	156

89	91	93	95
90	92	94	96
87	88	71	72
85	86	69	70

EUREKA CLAIMS

119	120	107	108	83	84	67	68
117	118	105	106	81	82	65	66
115	116	103	104	79	80	63	64
113	114	101	102	77	78	61	62
111	112	99	100	75	76	59	60
109	110	97	98	73	74	57	58
13	14	27	28	41	42	55	56
11	12	25	26	39	40	53	54
9	10	23	24	37	38	51	52
7	8	21	22	35	36	49	50
5	6	19	20	33	34	47	48
3	4	17	18	31	32	45	46
1	2	15	16	29	30	43	44
131	132	143	144	155	156	167	168
129	130	141	142	153	154	165	166
127	128	139	140	151	152	163	164
125	126	137	138	149	150	161	162
123	124	135	136	147	148	159	160
121	122	133	134	145	146	157	158

36	35
EG	

181	182	201	202								
179	180	199	200								
177	178	197	198								
175	176	195	196								
173	174	193	194								
171	172	191	192								
169	170	189	190								

The property is easily accessed by way of the Hunker Creek road system which leaves the Klondike Highway about 20 km east of Dawson City. The Hunker Creek road is seasonally maintained by the territorial government and the entire 90 km distance to the property is suitable for two-wheel drive vehicles. Local access to most parts of the property is provided by a network of roads that are maintained by local placer miners.

HISTORY AND PREVIOUS WORK

The creeks draining the Eureka and Armenius claims have been explored for placer gold since the gold rush era of 1898. Extensive hand mining by shafts and ground sluicing was carried out until the early 1940's. Production records ceased during World War II and resumed in 1959 with the advent of modern mining methods. Reported production figures to 1998 from Eureka Creek total approximately 66,000 ounces of gold. Similarly, the recorded gold production from Black Hills Creek immediately to the south was greater than 74,000 ounces between 1976 and 1997 (Mining Inspection Division, Placer Mining Section). Productive placer mines are currently operating on upper and lower Eureka Creek and upper Childs Gulch, a tributary of Black Hills Creek.

Hard rock exploration in the area is poorly documented prior to 1988. The first recorded work was done on the Reka claims by Dawson Eldorado Gold Mines Ltd. and Wealth Resources Ltd. which conducted mapping and soil sampling along the ridge system separating upper Eureka Creek from Childs Gulch. The claims were staked to cover the probable source area of an exceptionally anomalous GSC reconnaissance stream sediment sample collected from the headwaters of Eureka Creek. The sample returned 89 ppb gold, 38 ppm arsenic, 0.8 ppm antimony and 110 ppb mercury, which represents the 90th to 98th percentile for each of those elements (OF 1364, 1986). Exploration on those claims outlined three target areas exhibiting north trending breccia zones and coincident gold-in-soil anomalies with values up to 496 ppb (Van Angeren, 1988). The claims were allowed to lapse and in 1992 the area was restaked by Wealth and Pacific Mariner Exploration Ltd. as the Clara claims. Minor soil sampling and ground geophysical surveys were carried out between 1992 and 1994 focussing on north trending breccia fault zones near the headwaters of Eureka Creek. Some bulldozer and excavator trenching was performed in 1994 across select gold-in-soil anomalies and/or VLF-EM conductors. Assays obtained from trench sampling reportedly returned up to 640 ppb gold across 2.0 m (Southam, 1995). The EG and CG claims were located immediately east of the Clara claims and were worked intermittently by J. Christie between 1992 and 1995. Work consisted of stream sediment sampling and reconnaissance soil sampling. Results from the CG claims were poor. No information is available for the EG claims because two of the claims are still in good standing and assessment reports have not yet been released.

Although little lode exploration has been done in the lower Eureka Creek area, three showings have been documented from work performed between 1903 and 1995. The Armenius Showing was originally described in a 1903 Dawson City newspaper article as a quartz ledge some 18 m wide and 3 to 5 km long (DIAND, 1995 #1150 118). Samples collected from a 12 m deep shaft through frozen overburden reportedly assayed as high as $284/ton which equates to 487 g/t gold (with gold at $20 per ounce). The Buffalo Springs occurrence was discovered by placer miners in 1985 on the floor of a small creek 2 km east of the Armenius Showing. It is described as quartz-sericite schist and biotite schist containing pyritic stringers, quartz and graphite in an east trending, clay altered shear zone. Visible gold was reportedly panned from chiseled samples. The prospect was staked for lode potential in 1988 by Dan Hermanutz and Kieran Daunt who conducted specimen and chip sampling from shear zones exposed in the placer workings. All samples returned values below detection limit even though particulate gold was panned from several crushed samples (Daunt, 1995). The Gopher Creek occurrence, situated 2 km east of Buffalo Springs, was also discovered by placer miners at the head of an extremely productive paleochannel. Bedrock exposed in the placer cut was described as a strongly altered chloritic shear zone with pervasive iron staining and quartz-epidote veining. No specimens or chip samples of this material were taken. The Gopher and Marmot claims were staked in 1994 by Angus Woodsend who drilled five Nodwell-mounted auger drill holes on the claim blocks. Results were not reported from this work but they must have been disappointing because the claims were subsequently allowed to lapse.

A comprehensive study of the placer gold from Eureka Creek and Childs Gulch was conducted by R. Carne of Archer Cathro during winters 1998 and 1999. Gold recovered from the upper regions of both creeks is described as a mixture of coarse and fine grains with average fineness increasing downstream from 640 to 737. The grains are generally angular and some contain inclusions of dark quartz while others are attached to larger white quartz fragments. Gold bearing gravels in Eureka Creek reportedly became too low grade to mine about 6 km downstream from the headwaters however, values dramatically increased again further downstream in lower Eureka Creek. The area where the lower pay streak started approximately coincides with the projected trace of the regional scale thrust fault associated with the Armenius, Buffalo Springs and Gopher lode gold showings. The fineness of placer gold in lower Eureka Creek starts at about 680 at the top of the pay streak and increases downstream to 860 near the junction between Eureka Creek and Indian River. In this area the coarse gold is chunky and weakly coated with a red oxide. Nuggets are up to one-half ounce and are often attached to quartz fragments.

Most of the placer gold from the main creeks in the Klondike Goldfields closer to Dawson City is thought to have been reworked from the White Channel Gravels, a gold bearing unconsolidated paleogravel unit that caps many hills in the area. This gold is characterized by high fineness and a high degree of rounding and flattening. The source of this gold is enigmatic but its fineness and shape suggest it has travelled some distance. Conversely, the character of the placer gold in Eureka Creek and Childs Gulch indicates local provenance from two potential lode source areas.

The results of the placer gold study prompted Nordac to stake the initial 72 claims of the Armenius and Eureka property to cover the potential lode source areas early in 1999. Later that spring Nordac formed Eureka Joint Venture with Expatriate and it staked an additional 314 claims.

During the 1999 season the joint venture conducted stream sediment sampling, prospecting and soil sampling along claim lines. This work identified a large area of anomalous gold-in-soil response and discovered several gold bearing float and bedrock occurrences. The results are documented in Wengzynowski 2000. Some claims situated in lower parts of the valley near the Indian River were allowed to lapse reducing the block to its current size of 264 claims.

GEOMORPHOLOGY

Elevations in the vicinity of the property range from 560 m near the confluence of Eureka Creek and Indian River to 1300 m along the north and east trending ridge separating Eureka Creek from Black Hills Creek and Childs Gulch. This ridge system, referred to as the Eureka Uplands, covers an area approximately 4000 by 1300 m and is drained by tributaries of Eureka Creek, Black Hills Creek and Childs Gulch. The entire area escaped Pleistocene and Pliocene glaciation and as a result the landscapes are mature with dendritic drainages forming radial fans off the flanks of upland domes. All creeks draining the property are tributaries of the Yukon River watershed.

North facing slopes are blanketed by moss and labrador tea covering 5 to 100 cm of organic matter mixed with silty soil. Permafrost is prevalent where the organic layer exceeds 50 cm thickness. Conversely, southern slopes generally exhibit silty soil with little to no organic material or permafrost. Depth to bedrock ranges from about 1 m on ridge tops to about 10 m along lower Eureka Creek and the Indian River where there are thick fluvial deposits.

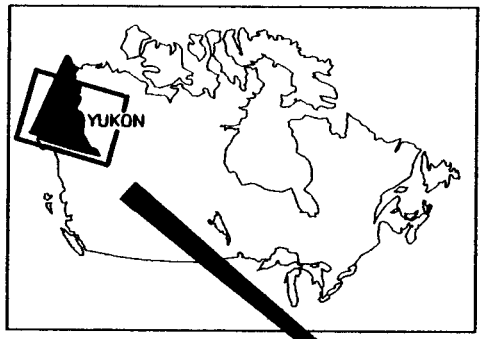
Vegetation is characterized by mature poplar stands along the Indian River and lower creek valleys giving way to stunted black spruce and willow then thick growths of buckbrush, willow and juniper atop the domes.

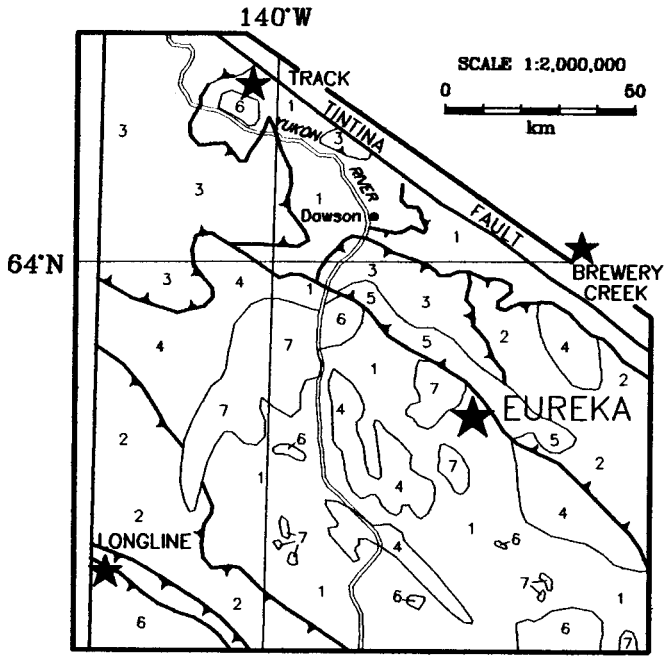
REGIONAL GEOLOGY

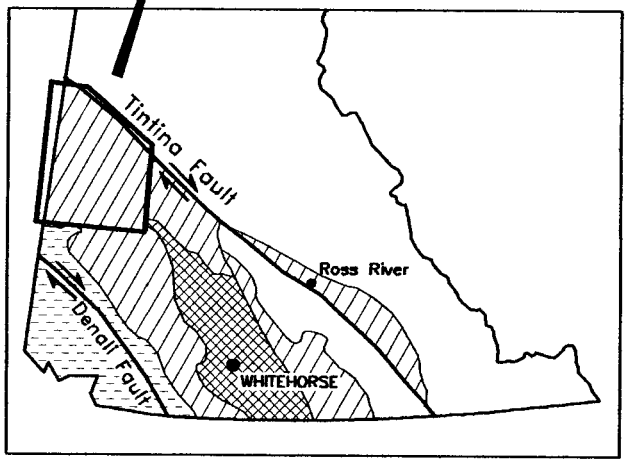
Geology of the Klondike district is dominated by a series of regional scale thrust faults that juxtapose layered metamorphic and metaplutonic rocks of the Yukon-Tanana Terrane (YTT). Post thrust, Mid- to Late Cretaceous volcanic flows and granitic plutons are common in the southern and western parts of the district. Figure 3 illustrates the distribution of lithologies as interpreted through a variety of sources dating from 1935 to present.

Outcrop exposure is poor across most of the district and is generally confined to ridge crests, deeply incised drainages and road cuts. Most mapping in the area was done at reconnaissance scale without the aid of geochronology or plate tectonic theories (Bostock, 1942; Green and Roddick, 1972; Tempelman-Kluit, 1974).

Recent, more detailed mapping by Mortensen (1990) suggests that the metamorphic rocks are part of YTT and can be subdivided into three stratigraphic units (Assemblages 1, 2 and 3) and two metaplutonic units (Mt. Burnham Augen Orthogneiss and Sulphur Creek Orthogneiss) all of which are Paleozoic age. The stratigraphic assemblages have undergone four phases of deformation.







- Coastal and Insular Belts
- Intermontane Belt
- Yukon–Tanana Terrane and Slide Mountain Terrane
- Ancestral North America including Cassiar Terrane

- 7 — Late Cretaceous volcanic and sedimentary rocks
- 6 — Mid–or Late Cretaceous plutonic rocks

Yukon–Tanana Terrane Metaplutonic rocks

- 5 — Permian Orthogneiss
- 4 — Devono–Mississippian Augen Orthogneiss

Yukon–Tanana Terrane Paleozoic Metasediments and Metavolcanics

- 3 — Assemblage 3
- 2 — Assemblage 2
- 1 — Assemblage 1

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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

EUREKA PROPERTY

FILE: ..EUREKA\ACAD00\EU-REG3.DWG | DATE: NOVEMBER, 2000

Stratigraphic Units

Assemblage 1 consists of variably deformed and sheared phyllite and quartzite. These rocks are generally medium to dark grey and sometimes contain thinly interbedded carbonaceous siltstone, fine sandstone and rare marble. Although not dated, these rocks are believed to be Early Paleozoic in age.

Assemblage 2 is largely comprised of Devono-Mississippian quartzite, chloritic schist and amphibolite. Quartzite is generally pale coloured and contains variable quantities of mica and feldspar. Discontinuous lenses of marble and quartz-mica-calcite schist are noted in some areas.

Assemblage 3 consists of mafic to intermediate schist and quartzite plus lesser felsic schist. Accessory minerals observed within schist units include quartz and feldspar augen, actinolite and chlorite. Muscovite is often observed along foliation planes within the quartzite unit. These rocks have returned Permian age dates.

Metaplutonic Units

Mt. Burnham Augen Orthogneiss is granitic in composition and consists mainly of subhedral to strongly flattened and broken potassium feldspar. The matrix is comprised of sucrosic quartz, biotite, muscovite and feldspar. This unit is assigned a Devono-Mississippian age.

Sulphur Creek Orthogneiss is a pink weathering unit that has only been recognized in the vicinity of Sulphur Creek. It has a quartz monzonite composition and has been dated as Permian.

Mid- to Late Cretaceous Igneous Units

Mid-Cretaceous granitic stocks and related dykes are comprised of quartz, feldspar, muscovite, biotite and sometimes hornblende. The closest outcropping stock in the vicinity of the property is at Grizzly Dome some 38 km to the south-southeast. Diabase and olivine gabbro lenses and plugs are believed to be coeval but are rare. These bodies form a loosely defined arc south and west of the property intruding rocks of Assemblages 1 and 2 plus the Mt. Burnham Augen Orthogneiss.

Late Cretaceous volcanic flows and feeder dykes are predominantly andesitic in composition. In most areas they conformably cap a thin continental sedimentary sequence that is also believed to be Late Cretaceous in age. Elsewhere the volcanics are mapped as unconformably overlying Assemblage 1 and Mt. Burnham Augen Orthogneiss. The closest volcanic flows outcrop at Henderson Dome, 10 km south of the Eureka claim block. Some of the smaller exposures of the volcanic unit are likely sub-volcanic feeder pipes or dykes.

Structure

Four phases of deformation are observed in layered rocks of the YTT within the Klondike district. The deformation is thought to have occurred from Mid-Permian to Cretaceous during and following accretion of YTT to North America. Phase I involved Mid-Permian regional scale metamorphism which resulted in penetrative foliation approximately parallel to original bedding. This fabric trends roughly northwest and dips gently to the northeast. Small scale isoclinal folds were also developed at this time. The Phase II event occurred between Mid-Permian and Late Triassic and formed close spaced crenulation cleavage. At least three different sub-phases of crenulation cleavage are observed. The latest may be associated with the development of thrust faults which are constrained to the period between Late Triassic and Early Jurassic. The onset of this faulting is also coincident with the emplacement of serpentinite bodies along the faults and small scale isoclinal folding, link banding and warping. The final phase of deformation is coeval with the emplacement of Cretaceous intrusive bodies which resulted in broad low amplitude folding that masks and overprints the Phase I foliation. Steep faults are developed adjacent to some Cretaceous intrusions and are major controls for many drainages. Displacement on these structures is unknown but is believed to be minor.

PROPERTY GEOLOGY

Outcrop and bedrock exposures encountered in 1999 and 2000 during prospecting and soil sampling are illustrated on Figure 4 for the entire property. Detailed mapping done during the 2000 field season within the area of the soil geochemical grid is shown on Figure 5. The majority of the detailed geological data were obtained from mapping float and talus. Four units have been recognized on the property. Unit A is augen orthogneiss of the Devono-Mississippian metaplutonic suite and most likely equivalent to the Mt. Burnham Augen Orthogneiss. Unit B includes quartzite, phyllite and quartz-muscovite-biotite schist while Unit C is limestone. These units belong to Assemblage 1. Unit D consists of intrusive dykes and sills that are probably Cretaceous and younger in age.

Unit A

Augen orthogneiss is grey and weathers as large blocky slabs. The matrix is well foliated and contains quartz, feldspar, biotite and muscovite. Augen are potassium feldspar ranging from 1 to 8 mm in diameter with aspect ratios of about 2:1.

Unit B

Quartzite is dark grey to white and blocky weathering. It forms resistant knobs near the top of ridge crests and is the dominant rock type observed in the soil geochemical grid area. The matrix is weakly to moderately sucrosic and often contains variable quantities of muscovite and biotite which define foliation planes. None of the specimens tested was calcareous.

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FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY

EUREKA PROPERTY

SCALE 1:50,000
0 500 1000 1500 2000m

DRAFTED BY: AG	PROJECT: EUREKA
FILE: ...EUREKA\ACAD00\EU50-PG.DWG	DATE: NOVEMBER, 2000

7 060 000 N

7 055 000 N

7 050 000 N

7 045 000 N

605 000 E

610 000 E

Aurion Showing

Aurion Showing SAMPLE	Au (ppb)
BB29076	75380
N114869	740
N114878	3500

Allen Showing

Wealth Showing

Childs Showing

DETAIL GEOLOGY
(Figure 5)

A	Augen orthogneiss
	ASSEMBLAGE 1
B	Quartzite, quartz–muscovite–biotite schist, phyllite
C	Limestone
	outcrop
	mixed talus and outcrop
	talus
	strong airphoto linear
	fault trace, inferred
	foliation orientation
	thrust fault, trace inferred

Igneous Units

Unit D

1 feldspar porphyry

2 diorite

3 biotite–muscovite granite

4 aplite

Stratigraphic Units

Unit B

5 quartzite

6 phyllite and quartz–muscovite–biotite schist

- handpit
- breccia float
- hand trench
- bulldozer or excavator trench
- foliation orientation
- joint orientation
- fault trace
- outcrop
- geological contact
- bulldozer trail

12+800 N
12+600 N
12+400 N
12+200 N
12+000 N
11+800 N
11+600 N
11+400 N
11+200 N
11+000 N
10+800 N
10+600 N
10+400 N
10+200 N
10+000 N
9+800 N

800
1000
10+900 E
11+500 E

TR–00–01
Figure 11

TR–00–02
Figure 12

old bulldozer trench
75 m southeast of road cut
along northeast trending
structure

float along road
500m south

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FIGURE 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DETAIL GEOLOGY

EUREKA PROPERTY

SCALE 1:10,000
0 100 200 300 400 500m

DRAFTED BY: AG	PROJECT: EUREKA
FILE: ...EUREKA\ACAD00\EU10–GEO.DWG	DATE: NOVEMBER, 2000

Phyllite is grey-blue to black, non-graphitic and recessive weathering. This unit was only observed at three locales, two of which were in old bulldozer and excavator trenches. At all three sites the phyllite is strongly clay altered and has a gougy and/or crumbly texture.

Quartz-muscovite-biotite schist is dull greenish-brown to grey and thinly foliated. It has been observed as homogeneous horizons more than 10 m thick and as foliaform bands less than <0.5 m thick within quartzite. Chlorite, sericite and feldspar are common accessory minerals often developed parallel to foliation. Where the schist contains feldspar it is usually crumbly due to the alteration of feldspar to clay minerals. Elsewhere it forms platy slabs.

Unit C

Limestone is cream coloured, buff weathering and competent. The matrix is coarsely crystalline and contains variable amounts of biotite and muscovite. Near the headwaters of Childs Gulch, the limestone is locally skarnified and exhibits diopside, garnet and minor, fine grained sulphides.

Unit D

High level igneous rocks occur as float and isolated outcrops that are confined to the detail map area in the Eureka Uplands. The most distinctive rock type belonging to the unit is feldspar porphyry consisting of prismatic white feldspar phenocrysts in a microcrystalline dark grey matrix. The phenocrysts are 2 mm in diameter and up to 2 cm long. The feldspar porphyry is derived from a narrow, northerly trending dyke. The second rock type is dark green, moderately to well foliated diorite composed of fine grained feldspar and hornblende. The diorite occurs in a localized float train approximately 300 east and downhill from the feldspar porphyry dyke. The third subunit is tan coloured, weakly foliated, fine grained granite containing both biotite and muscovite. These rocks are confined to a small knoll located directly south along strike from the feldspar porphyry dyke. The final member of this unit consists of aplite float found along the placer access road in the vicinity of the Childs Showing. It is yellow to cream coloured and very weakly foliated. The matrix consists of sucrosic textured quartz and white feldspar with 10 to 15% fine grained black flecks that are thought to be oxidized sulphides.

Structure

The most prominent structure mapped in the vicinity of the property is a low angle thrust fault that trends easterly across the Armenius claim block, subparallel to the Indian River. The surface trace of the thrust is only approximate because shear zones associated with it have only been exposed in widely spaced placer cuts, most of which were later backfilled. The shear zones are described as chlorite-sericite-clay gouge zones with pervasive iron staining and quartz-epidote veining. Quartz boulders are often present in the gouge matrix suggesting substantial milling has taken place.

High angle faults are inferred from airphotos in all parts of the property but they are particularly abundant in the headwaters of Eureka Creek and Childs Gulch and within the Eureka Uplands. The surface traces of these structures suggest they strike north to northwest and dip steeply. Displacement along the faults is unknown but abundant occurrences of strongly milled, quartz rich breccia suggest a complex, multi-stage history.

Abundant quartz vein float is present in all placer creeks but only a few veins were observed cutting bedrock. They normally strike northeasterly and dip steeply to the northwest. Fracturing is evident in most outcrops and talus fragments, especially in quartzite. Limonite after pyrite is common along fracture selvage.

Folding and warping are implied by erratic foliation attitudes observed across the property. However, stratigraphy in the vicinity of the main soil geochemical anomaly consistently strikes northwest and dips gently southwest. No folds were seen at outcrop scale and too few foliation measurements were taken to identify the axes of large scale structures.

SOIL GEOCHEMISTRY

Grid soil sampling was conducted within a 3000 by 1100 m area covering part of the Eureka Uplands and extending north into the headwaters of Eureka Creek. The grid was located to better evaluate the gold-in-soil response obtained from stream sediment and reconnaissance soil samples taken along claim lines in 1999. Soil samples were also collected in 2000 along the access road in the southern part of the property between Childs Gulch and Black Hills Creek and from a second smaller detail grid located on the western edge of the property.

Six hundred and twenty-seven soil samples were sent to ALS Chemex of North Vancouver where they were dried, sieved to -80 mesh and analyzed for gold using fire assay and atomic absorption finish. The majority of the samples were also dissolved in nitric-aqua regia and analyzed for 32 elements using Induced Coupled Plasma (ICP) technique. Sample locations are shown on Figure 6 while gold results are plotted on Figure 7. Certificates of Analysis are contained in Appendix II. Table I below lists the anomalous thresholds and peak values for gold along with peak values for potential pathfinder elements.

TABLE I
ANOMALOUS THRESHOLDS AND PEAK VALUES

Element	Threshold			Peak Value
	Weak	Moderate	Strong	
Gold	25	50	100	525 ppb
Silver	---	---	---	3.4 ppm
Arsenic	---	---	---	144 ppm
Bismuth	---	---	---	4 ppm
Antimony	---	---	---	14 ppm
Tungsten	---	---	---	30 ppm

Values reported were from shallow pits used for normal soil samples. Deep soil profile samples taken on the detail grid returned somewhat higher values to a peak of 1610 ppb gold.

Main Grid

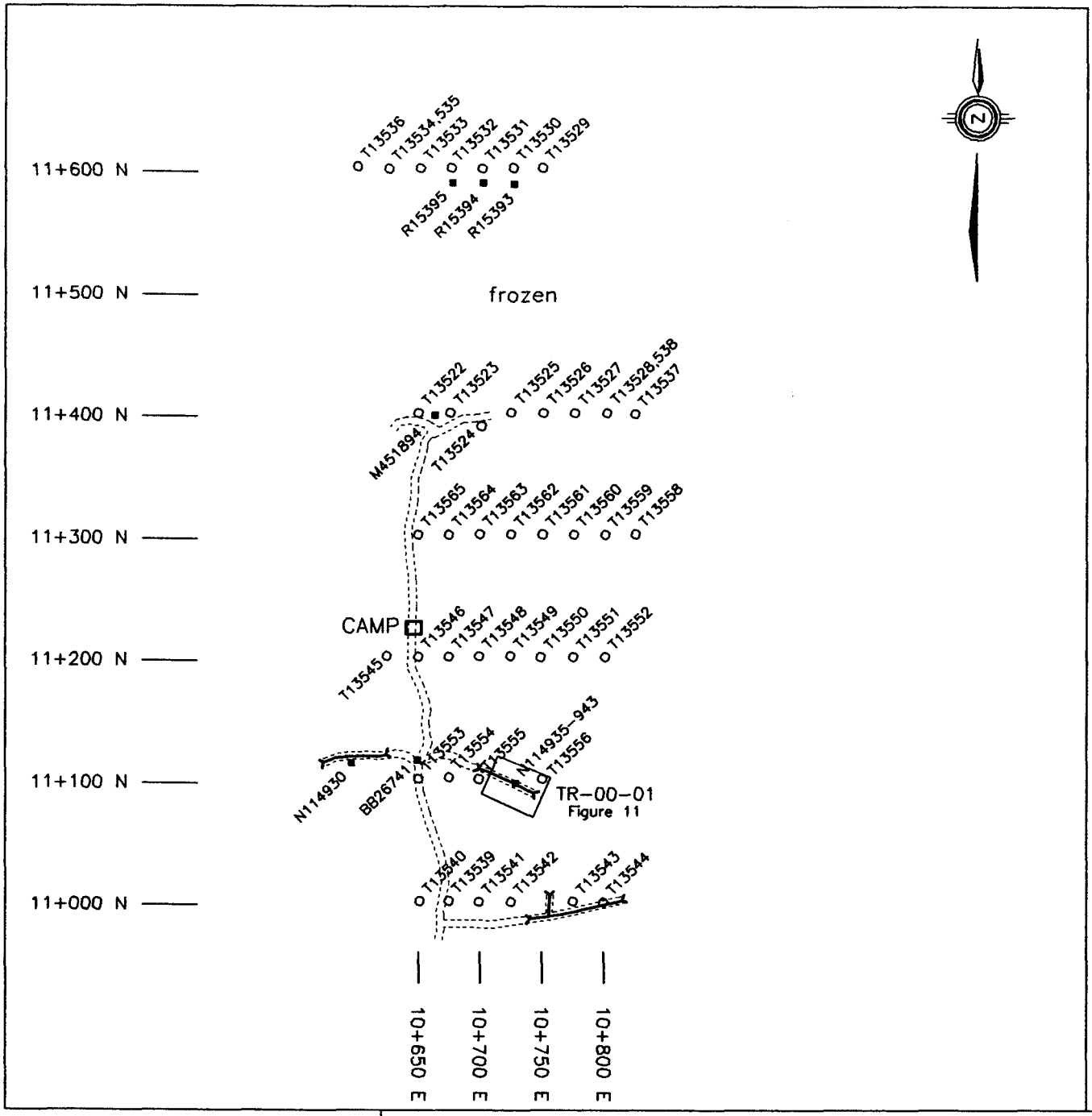
Three slope corrected baselines were established at azimuth 000° to provide control during grid soil sampling. The lines are flagged and marked at 100 m intervals with 1 m wooden lath bearing an aluminum tag inscribed with grid coordinate and sample number. Soil samples were collected at 50 m intervals along lines oriented perpendicular to the baseline and spaced 200 m apart. Sample sites are indicated by 0.5 m lath bearing an aluminum tag marked with grid coordinate and sample number.

Intermittent gold response is scattered across much of the grid area, as shown on Figure 7. The most cohesive anomaly is in an 800 by 250 m area in the vicinity of the Wealth Showing within the Eureka Uplands. Here moderately to strongly anomalous values are clustered along a northerly trend that closely coincides with airphoto lineaments believed to be high angle faults. A detail grid was established within the area of strongest soil geochemical response and forty-three hand pits were excavated at 25 m intervals along the original sample lines and intermediate lines spaced 100 m apart (Figure 8). The pits were excavated to an average depth of about 1 m. Soil samples were taken from the base of each pit and a 2 to 4 kg bag of mixed soil and rock was collected from each pit profile for panning. All soil samples from the hand pits returned gold values above detection limits (Figure 9) and greater than 90% exceeded the weakly anomalous threshold value (25 ppb). On average, gold response from the deeper sample sites increased by 21% compared to those from shallower sites. A peak value of 1610 ppb gold was obtained from a hand pit on the northern edge of the detail grid.

A second, less distinct anomalous trend was outlined in the vicinity of the Allen Showing. This trend is oriented northwesterly and consists of moderately to strongly anomalous values that approximately coincide with a prominent airphoto lineament.

Road Sampling

Soil samples taken at 100 m intervals along three different road segments between Childs Gulch and Black Hills Creek returned mixed results. The strongest gold response (525 ppb gold) was obtained along the ridge separating the two drainages. This sample and other nearby sites that returned weakly anomalous values lie along the same structural trend as the geochemical anomaly outlined at the Wealth Showing.



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T13545 — soil sample taken from base of hand pit

N114930 — rock sample location

bulldozer road and trench system

bulldozer trench to bedrock

FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DETAIL GRID SAMPLE LOCATION

EUREKA PROPERTY

SCALE 1:5000

0 50 100 200 300 m

FILE: ....EUREKAJV\..\EU-FIG8.DWG

DATE: NOVEMBER, 2000

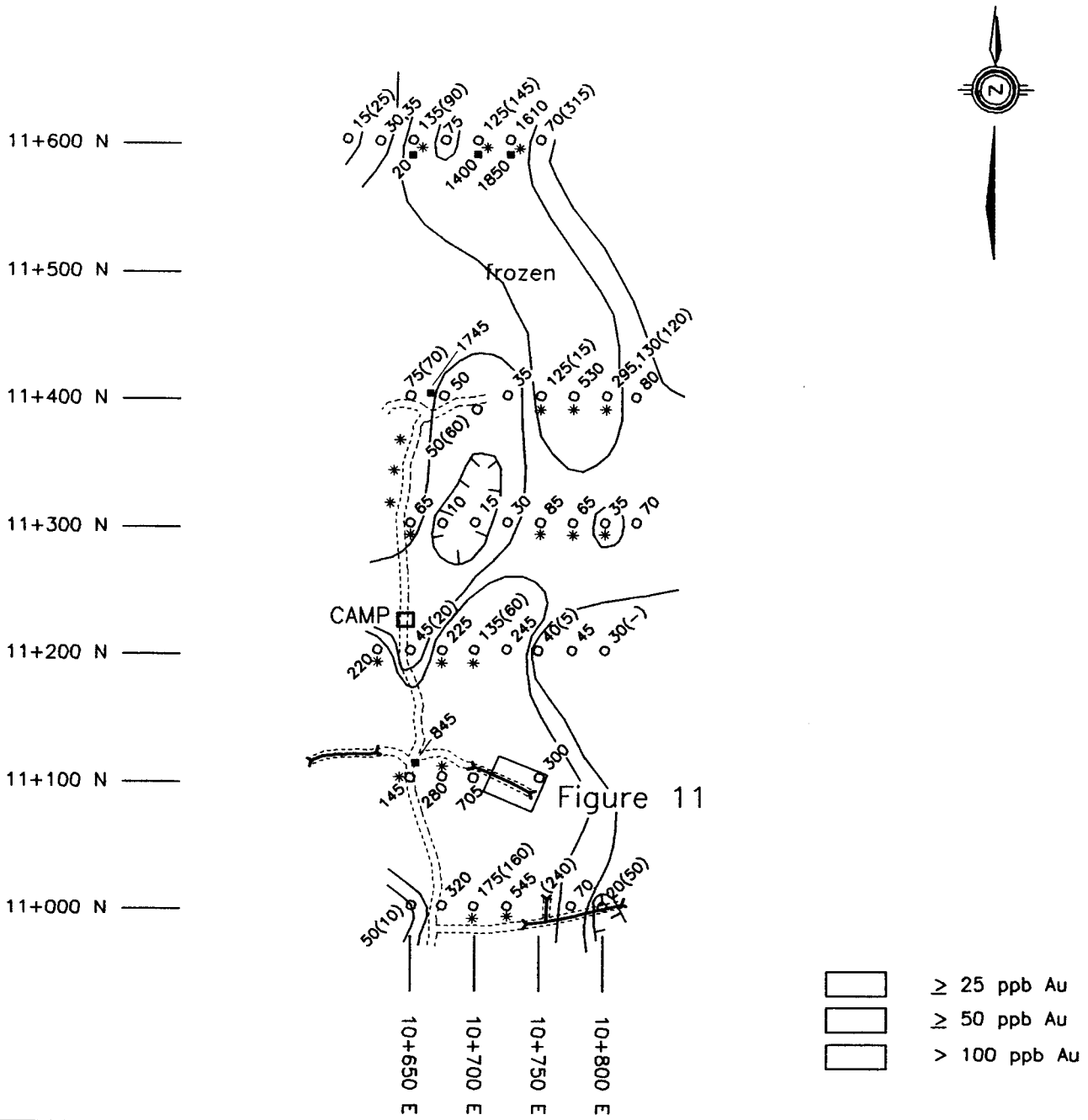

Figure 11

* crackle and/or milled breccia

o^{300} soil sample from base of hand pit with Au value in ppb

(50) grid soil sample with Au value in ppb

■^{1400} rock sample with Au value in ppb

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FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DETAIL GOLD GEOCHEMISTRY

EUREKA PROPERTY

SCALE 1:5000

0 50 100 200 300 m

FILE: ....EUREKAJV\..\EU-FIG9.DWG

DATE: NOVEMBER, 2000

Secondary Grid

Soil samples were taken at 50 m centres within a 250 by 250 m grid on the western edge of the property where a sample taken along the road had earlier yielded 250 ppm gold. Most samples from this grid were weakly anomalous and the highest value was only 440 ppb gold.

Geochemical Correlation

Silver and arsenic are best correlated with areas of elevated gold response although their overall intensity is low. Peak values for these elements are 3.4 and 144 ppm, respectively, but the average values are much lower. Bismuth, antimony and tungsten are rarely elevated and anomalous values are poorly correlated with gold.

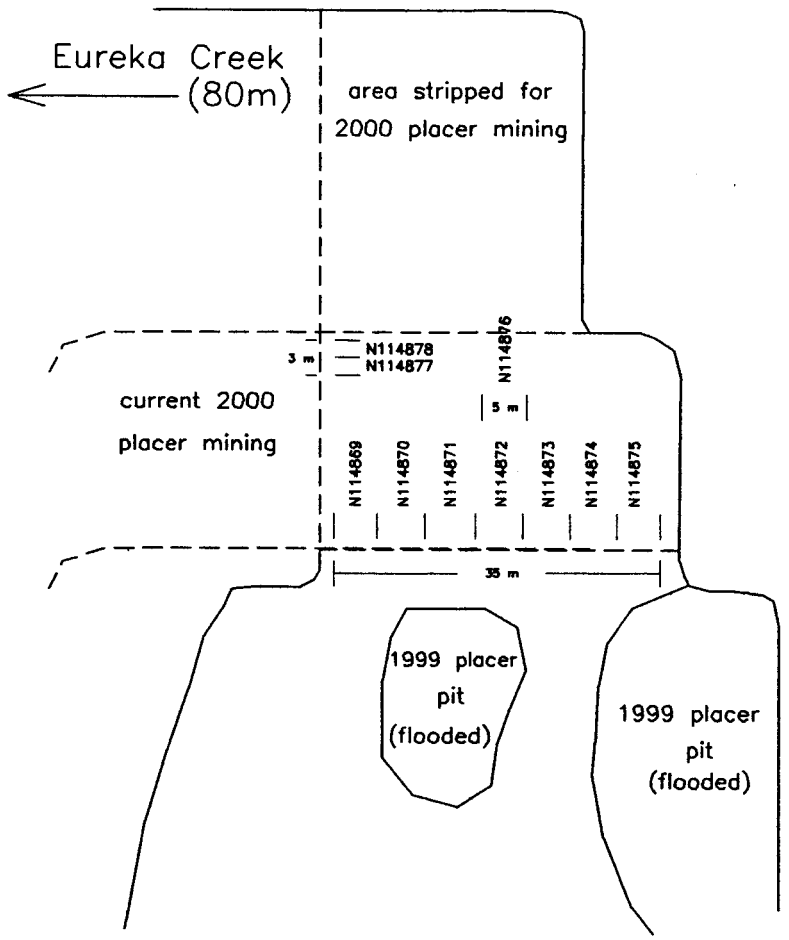
HARD ROCK MINERALIZATION

The Eureka property hosts three main types of gold mineralization. Shear zones containing gold are associated with the regional scale thrust fault that crosses lower Eureka Creek and other small streams flowing into the Indian River. Auriferous quartz breccias are associated with high angle structures in the Eureka Uplands. Finally massive quartz veins with elevated but sub-economic concentrations of gold have been collected in several parts of the property.

In 2000 fifty-three rock samples were collected and sent to ALS Chemex where they were pulverized and screened to -150 mesh then geochemically analyzed for gold using fire assay and atomic absorption finish. Most samples were also analyzed for 32 elements using the ICP technique. Certificates of Analysis are contained in Appendix II while rock sample descriptions appear in Appendix III. Rock sample locations are shown on Figures 4 and 6 and the geochemical results are illustrated on Figures 4 and 7.

Shear zones consist of multi-coloured clay altered quartz-muscovite-chlorite-feldspar schist and shattered quartzite. The only current exposure of this type of mineralization is at the Aurion Placer mining operation (Aurion Showing on Figure 10) located on Eureka Creek approximately 3 km upstream from the Indian River. Open cuts at this operation have exposed a thick ($\geq$15 m) shear zone that is believed to coincide with the regional scale thrust fault mapped in the area. The shear is immediately overlain by a 2 to 3 m layer of rusty, unconsolidated channel gravels. In 1999 placer miners commented that this material (previously believed to be the pay channel) yielded no gold when sluiced and that all of their gold was recovered from the underlying bedrock. A pan sample of the unconsolidated material taken in 2000 about 300 m upstream from the 1999 site yielded 4 to 5 subrounded gold grains <1 mm in diameter while a 1.5 m profile sample returned 3.5 g/t gold. Seven continuous channel samples of frozen sheared bedrock taken across a section of the pit prepared for sluicing returned low gold values for all but one sample which yielded 740 ppb gold across 5 m. Indicator elements returned low values in all samples.

Aurion Placer Pit Plan



Sample #	Gold (ppb)
N114868	45
N114869	740
N114870	10
N114871	15
N114872	–
N114873	–
N114874	10
N114875	20
N114876	5
N114877	25
N114878	3500

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FIGURE 10

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AURION PIT

EUREKA PROPERTY

FILE: ...EUREKA\ACAD00\EU-AURIO.DWG

DATE: NOVEMBER, 2000

The relationship between the gold and the shear material is enigmatic as it is not yet known whether the gold is actually hosted within the shear zone or if it has been introduced into the highly fractured and permeable material by gravitation processes. Geochemical response and geological observation generally support the latter.

Quartzite breccia is prominent in the Eureka Uplands and headwaters of Eureka Creek and Childs Gulch. It occurs as rusty crackle breccia and rusty to grey hydraulically milled breccia. This material has been discovered at numerous locales within gold-in-soil geochemical anomalies.

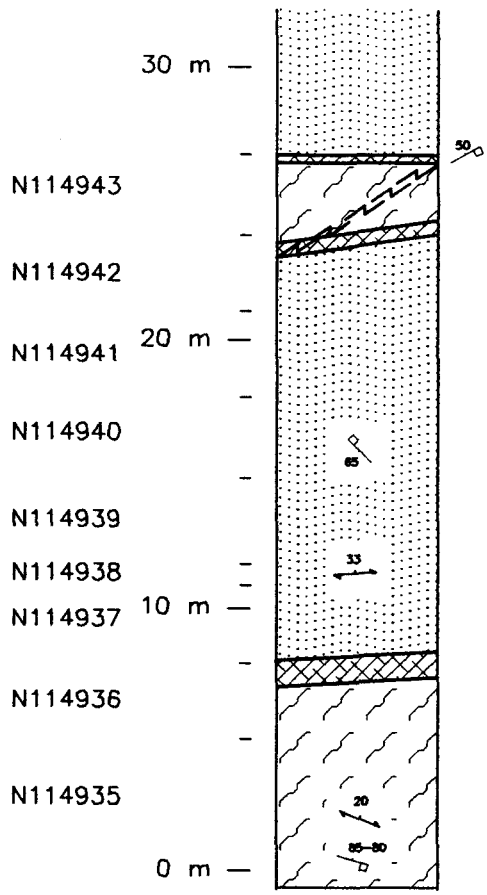
Crackle breccia consists of highly fractured to shattered quartzite healed with variable amounts of secondary pyritic silica. Most samples are rusty weathering on all surfaces and contain fine patchy boxwork limonite. Milled breccia is grey to white and contains varying amounts of orange to brown limonite. It consists of angular and subrounded quartzite and lesser quartz-muscovite schist clasts cemented by milled rock flour. Clasts range from 1 mm to 3 cm and are generally matrix supported. Specimens of milled breccia are strongly pitted and porous throughout. Remnant disseminated pyrite is rare.

In 1999 gold bearing breccia specimens were collected from two general locales referred to as the Allen and Wealth Showings. Prospecting conducted in 2000 discovered additional breccia float in these areas and a new locale to the south referred to as the Childs Showing. All three showings occur within a 4000 to 1200 m wide structural corridor that is intermittently defined by anomalous gold-in-soil values and abundant airphoto lineaments.

The **Allen Showing** is situated on a narrow ridge near the headwaters of Eureka Creek. Material belonging to it was discovered in a 30 m long, partially slumped excavator trench dug by a previous owner. The main rock type in the spill piles is muscovite±quartz schist and yellow-blue phyllite clay. A piece of strongly limonitic breccia float with a remnant pyritic core collected in 1999 returned 15.0 g/t gold, 25.5 g/t silver, 3510 ppm arsenic and 23 ppm molybdenum. A sample of similar material collected from the same area in 2000 to assess the reproducibility of gold values in such specimens returned 14.42 g/t gold, 59.0 g/t silver, 4190 ppm arsenic and 19 ppm molybdenum.

The **Wealth Showing** encompasses a 600 by 350 m area in the Eureka Uplands that coincides with the strongest gold geochemical response outlined by the grid sampling. Previous bulldozer trenching by Wealth exposed multiple shear and fracture zones containing crackle and hydraulically milled breccia plus various types of clay altered wallrocks. Thorough mapping of the trenches showed that the structures associated with the breccias strike between 0 and 020° and dip steeply eastward between 65 and 80° (Figure 11). A continuous series of chip samples was taken across a 27 m section of variably fractured and altered quartzite and muscovite-quartz schist with the best interval returning a weighted average of 0.35 g/t gold across 6.0 m. The gold bearing interval consists of rusty crackle breccia with minor milling and abundant thin limonite coatings on fracture surfaces. Adjacent samples of weakly to strongly rusty weathering, weakly to moderately

Looking East Northeast



Significant Results		
Sample #	Interval	Gold
N114936	3m	395
N114937	3m	310

values reported in ppb

intensely fractured quartzite and quartz–muscovite schist

weak to moderately fractured quartz–muscovite schist

rusty to grey crackle and milled breccia

fault

joint orientation

foliation orientation

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FIGURE 11

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TR-00-01 WEALTH SHOWING

EUREKA PROPERTY

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fractured muscovite quartzite and muscovite-quartz schist yielded low values (≤25 ppb) for gold. Composite breccia samples from two of the northernmost hand pits within the detail grid (Figures 8 and 9) returned 1.85 and 1.40 g/t gold.

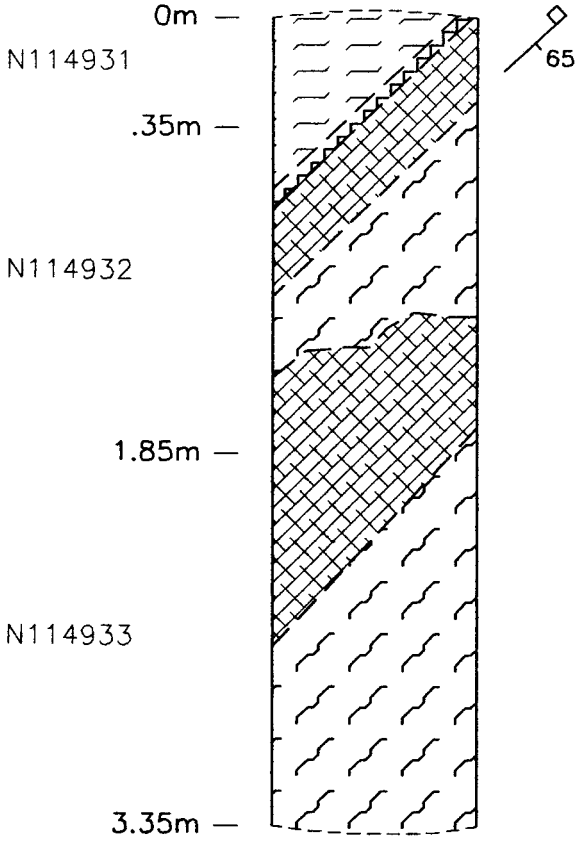
The **Childs Showing** is situated 2.5 km south-southeast of the Wealth Showing and is exposed at various points along an 800 m section of the access road that extends down toward Childs Gulch. Although grid sampling was not conducted in this portion of the property, anomalous gold values were obtained from samples taken along the access road. Prospecting discovered abundant rusty weathering hydraulically milled breccia and crackle breccia float at the north end of the showing, a sample of which returned 3.97 g/t gold, 3.2 g/t silver and 74 ppm arsenic. A second sample of similar material collected from the same locale yielded 0.85 g/t gold, 9.2 g/t silver and 3390 ppm lead. A hand trench excavated across a well defined breccia float train (Figure 12) uncovered a section of highly fractured rusty weathering crackle and lesser milled breccia plus orange micaceous gouge. Continuous chip samples along the length of the trench yielded a weighted average of 0.31 g/t gold across 3.3 m while a composite sample of breccia material from the spill pile returned 0.58 g/t gold.

Another crackle breccia zone was located in an old bulldozer trench approximately 350 m south of the hand trench. Unlike most other crackle breccia locales, this zone contains abundant clear and white drusy quartz filling. A chip sample across the widest breccia structure in the zone returned 0.26 g/t gold over 0.65 m.

The southern part of the Childs Showing is marked by gold bearing float located along the access road in the vicinity of a soil sample that yielded 525 ppb gold. The best gold assay from this area (1.19 g/t) was obtained from a 6 cm wide piece of strongly pitted and vuggy, weakly brecciated quartz vein float. Some of the vugs contain red, orange, tan and black oxide plus irregular clots of coarse cubic pyrite. Aplite and crackle breccia float collected from the same area also returned elevated gold values. The crackle breccia is typical of the many samples previously described and returned 460 ppb gold. The aplite float is weakly rusty weathering and white to cream on fresh surface. The rock has a weakly foliated sucrosic texture and is comprised dominantly of quartz and white feldspar. It also contains about 10% fine black flecks that are unidentifiable even under binocular microscope but are thought to be oxidized sulphides. Thin crosscutting fractures (≤2 mm wide) are filled with dark brown limonite and a dull black mineral. A specimen returned 630 ppb gold and low values for all indicator elements.

Quartz vein material is clear to white, strongly fractured and subrounded. Rusty weathering vugs and pits occur along fractures and within the matrix. Remnant disseminated sulphides in order of decreasing abundance are pyrite, galena, chalcopyrite and arsenopyrite. Textural variation of vein specimens is predominantly attributed to the degree of fracturing. Some specimens exhibit crack-and-heal brecciation but they are distinguished from the milled breccias because the fragments are very angular and matrix comprises only a small percentage of the rock.

Looking Northwest



rusty crackle breccia with minor milled breccia

rusty weathering highly fractured quartzite

orange–white mica gouge

white sticky clay gouge

Sample	Gold	Width
N114931	205	0.35m
N114932	440	1.50m
N114933	195	1.50m

values reported in ppb

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FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TR-00-02 CHILDS SHOWING

EUREKA PROPERTY

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None of this material was analyzed in 2000 however, specimens collected from Childs Gulch and upper Eureka Creek in 1999 returned low gold values. Most samples contained elevated silver (up to 69.4 g/t), molybdenum (up to 62 ppm) and lead (up to 864 ppm) while arsenic, bismuth and antimony values were erratic and weak. Quartz stockwork and massive pyrite stringers were observed in strongly altered orthogneiss near the head of Childs Gulch in a recent placer cut. A sample of this material was enriched in gold (205 ppb), silver (5.4 ppm) and molybdenum (38 ppm).

PANNING CONCENTRATES

Twenty-three bulk samples from the Wealth Showing hand pits were panned to approximately one gram of concentrate and examined under binocular microscope for mineral content by A. Archer of Archer Cathro. Two types of concentrate were identified and thirteen of the samples yielded one or more gold grains. Sample grid coordinates and comments are listed on Table II.

Concentrate Type A contains magnetite, chromite, ilmenite and other dark minerals, possibly sphene, rutile or cassiterite. Also present are olivine, pink garnet, oxidized pyrite and possibly topaz. Twelve samples had one or more gold grains.

Concentrate Type B contains much less dark minerals, especially oxidized pyrite cubes and magnetite. There is also no garnet or olivine present. Only one sample yielded visible gold.

Most of the minerals from both types of concentrates are euhedral, untarnished, liberated crystals. Quartz grains are mostly white to clear and sometimes contain minor oxide coatings. Small nubbly gold grains were observed in 13 of 23 samples.

TABLE II
PANNING CONCENTRATES

Coordinate	Concentrate Type	Visible Gold (pan)
11+000N		
10+700E	A	1 small
10+725E	A	1 large
10+750E	A/B	
10+775E	A	1 small
11+100N		
10+650E	A	1 large
10+675E	B	
10+700E	A	1 small

Coordinate	Concentrate Type	Visible Gold (pan)
11+200N		
10+625E	A	1 small
10+675E	A	1 medium
10+700E	A	1 small
10+725E	B	
10+750E	B	
11+300N		
10+650E	B	1 medium/2 small
10+775E	B	
10+800E	B	
11+400N		
10+700E	A	
10+725E	A/B	
10+750E	A/B	
10+775E	A	1 large/1 small
10+800E	A/B	
11+600N		
10+700E	A	1 small
10+725E	A	1 large
10+775E	A	1 large/2 small

Late stage panning rejects from all twenty-three samples were amalgamated into a single sample and analyzed for gold using the standard rock preparation and analytical techniques. The sample was only weakly elevated in gold yielding 130 ppb.

PLACER HEAVY MINERAL CONCENTRATES

Two heavy mineral concentrate samples were obtained in 2000 from Richard Allen whose current placer operation is situated at the uppermost right fork of Eureka Creek. One sample was coarse screened to about 2 mm while the other sample contains -2 mm material. Representative quantities of both were examined microscopically by A. Archer of Archer Cathro.

Coarse Fractions

Country rock - Mostly quartz-mica schist (mica usually white coloured but
720/1039 grains (69%) some biotite), some white quartz.

Garnet
164/1039 grains (15¾%) - All are complete, or fragments of complete, weakly rounded crystals (mostly a dodecahedral base), colour varies from grey to pink to deep red. Some of the red are almost gem quality. Some are sugary in texture. A few have small inclusions of a black mineral. The source of the garnet is probably not skarn as there are no other typical skarn minerals present (other than scheelite). The variety is too diverse for a single igneous source.

Black oxide(?)
61/1039 grains (6%) - Shiny black, sometimes weakly tarnished, coarse grained, often angular fragments. Most look like ilmenite. No obvious crystal shapes.

Scheelite
56/1039 grains (5½%) - Slightly rounded, sub-angular fragments ranging from clear white to a translucent to opaque cream colour. One fragment is mixed with a shiny black mineral. All other fragments are 100% scheelite with an intense blue-white fluorescence.

Gold
15/1039 grains (1½%) - Wiry to slightly rounded with quartz (mainly white translucent to transparent). Varies in colour from bright to dull, sometimes slightly silvery. Has not moved very far.

Pyrite
8/1039 grains (¾%) - Clean crystal fragments or masses of small crystals.

Silver
1/1039 grains - Silvery to lead coloured mixed with a hard black mineral.
1/1039 grains (¼%)

Magnetite - One is a fragment of fine grained, shiny untarnished magnetite
1/1039 grains Note: 99% of magnetite has been removed by gold cleaners.
1/1039 grains (¼%)

Other

11/1039 (1%) - Round, silvery to lead colour. Probably tektites or metal fragments.

The sample has been screened to about 2 mm which probably skews the mineral proportions and may have eliminated minerals that might only occur as finer grains such as cinnabar.

None of the mineral grains appear to have moved very far from source. The range of garnet colour is unusual and would not be expected from any single source. One grain of scheelite is intermixed with a black metallic mineral indicating a similar source. The total absence of other skarn minerals suggests the scheelite is not skarn related.

The sample exhibits very little oxidation (even the pyrite is fresh) except gold which sometimes has associated minor red to dark brown oxidized sulphide.

Fine Fractions

This material in general is better crystallized, particularly in the finest grains. Differences from the coarse fraction include:

(a) less than 10% country rock;

(b) less garnet in proportion to black minerals and scheelite because garnet is rare in the very fine material; and,

(c) the black minerals exhibit better crystal shapes and are approximately 25% chromite and 75% ilmenite or ilmenite-like minerals. The chromite is most abundant among coarser grains.

Minerals not seen in the coarser sample include traces of galena, topaz, tourmaline and hornblende and about 1% olivine. The olivine is well crystallized and transparent with up to 10% inclusions of fine grained black minerals.

DISCUSSION AND CONCLUSIONS

Early exploration at the Eureka property has identified an excellent lode gold target in the Eureka Uplands within the headwaters of Eureka Creek and Childs Gulch. An interesting but lower priority target has also been noted in the lower part of Eureka Creek near its confluence with the Indian River. Both targets are believed to be structurally controlled and related to one or more igneous centres. The target in the Eureka Uplands is associated with steeply dipping breccia zones developed in shallowly dipping quartzite and quartz rich schists while the lower target is associated with shear zones developed adjacent to a regional scale thrust fault.

Soil sampling has proven to be a very effective exploration tool within the upland areas where fluvial gravels and lacustrine deposits are absent. Grid surveys outlined a large area of intermittent weakly to strongly anomalous gold values within an up to 100 m wide northward trending corridor in the Eureka Uplands. The corridor is defined by airphoto lineaments, some of which coincide with soil geochemical trends and areas of gold bearing breccia material. Soils taken from a series of hand pits excavated within one of the anomalous areas show a dramatic increase in gold response. The increase may be a result of particulate gold concentration by gravity but it more likely represents decreased dilution of gold from a proximal source by soil from unmineralized areas further uphill.

Crackle breccia, hydraulic milled breccia and quartz vein breccia are the most common gold bearing materials discovered on the property. Most specimens are strongly leached and very porous. Potentially economic gold grades have been obtained from some float specimens however, chip samples taken across substantial widths have only yielded sub-economic values. Although some samples have weak to moderate correlation with silver and arsenic, the majority of auriferous material has little to no association with typical pathfinder elements. This observation is strongly supported by the presence of free milling gold grains and lack of sulphide grains (other than pyrite) in panning concentrates from the Eureka Uplands.

Gold grains from both panning and placer concentrates exhibit textures that studies of placer gold have shown are typical of material derived (Knight, et al, 1999) from a local provenance. Grains are often wiry to rounded or nubbly and occasionally intergrown with clear/white quartz or bits of limonite oxide. Intergrown quartz is very similar to fragments that comprise the crackle and milled breccia material. A large number of gold grains from Richard Allen's placer operation and from the Wealth Showing are a pale yellow-silvery colour which indicates a low fineness and further implies the material is not well travelled.

Additional exploration is definitely required to assess the lode potential of the Eureka property. All data obtained thus far suggest the Eureka Uplands hosts auriferous breccia structures that are likely associated with a hydrothermal system driven by multi-igneous sources. The majority of airphoto lineaments have not yet been geochemically sampled and most gold-in-soil geochemical anomalies have not been tested by mechanized trenching.

REFERENCES

Bostock, H.S.
1942 Map 711A, Ogilvie, Yukon Territory, Department of Mines and Resources, Mines and Geology Branch, Bureau of Geology and Topography.

Daunt, K.
1995 Assessment Report 093444, Buff Mineral Claims, A Geological Report July 1994 - July 1995.

DIAND
1995 Yukon Minfile, November/95; Exploration Geological Services Division, Indian and Northern Affairs Canada, Occurrence 1150-118.

Geological Survey of Canada
1986 OF 1364, Regional Stream Sediment and Water Geochemical Reconnaissance Data, Yukon, GSC-OF 1364, NGR 100-1986, NTS 115N (E1/2), 1150.

Green, L.H. and Roddick, J.A.
1972 Geology of Nash Creek, Larsen Creek, and Dawson Map-Areas, Yukon Territory (106D, 116A, 116B, and 116C, Memoir 364 {E-1/2}}, Geological Survey of Canada, Department of Energy, Mines and Resources Canada.

Knight, J.B., Mortensen, J.K. and Morison, S.R.
1999 Lode and Placer Gold Composition in the Klondike District, Yukon Territory. Canada: Implications for the Nature and Genesis of Klondike Placer and Lode Gold Deposits.

Mining Inspection Division
1998 Yukon Placer Industry 1995 to 1997; Mineral Resources Directorate, Yukon Territory, Indian and Northern Affairs Canada

Placer Mining Section
1985 Yukon Placer Industry 1983-1984; Mineral Resources Directorate, Yukon, Indian and Northern Affairs, compiled by R.L. Debicki.

1991 Yukon Placer Industry 1989-1990; Mineral Resources Directorate, Yukon, Indian and Northern Affairs, compiled by L.P. van Kalsbeek.

Mortensen, J.K.
1990 Geology and U-Pb geochronology of the Klondike District, west-central Yukon Territory.

Southam, P.
1995 Assessment Report 093290, Geochemical and Trenching Report on the Eureka Creek property, Dawson Mining Division, Yukon, p.24.

1995 Assessment Report 093348, Trenching and Prospecting Report on the Eureka Creek property, Dawson Mining Division, Yukon, p.12.

Tempelman-Kluit, D.J.
1974 Reconnaissance Geology of Aishihik Lake, Snag and Part of Stewart River Map-Areas, West Central Yukon (115H, 115J&K, 115N&O), Geological Survey of Canada, Paper 73-41, Department of Energy, Mines and Resources.

Van Angeren, P.
1988 Assessment Report 092720, Geological and Geochemical Report on the Reka 1-146 Quartz Claims, Dawson Mining District, Yukon Territory, p.14.

Wengzynowski, W.A.
2000 Assessment Report describing 1999 Geological Mapping and Geochemical Surveys on the Eureka Project, Dawson Mining District, Yukon for Eureka Joint Venture.

APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, William A. Wengzynowski, geological engineer, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in North Vancouver, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1993 with a B.A.Sc. in geological engineering, option 1, mineral and fuel exploration.
2. I became a Professional Engineer on December 12, 1998 registered in the Province of British Columbia.
3. From 1983 to present, I have been actively engaged in mineral exploration in the Yukon Territory and am presently a partner of Archer, Cathro & Associates (1981) Limited.
4. I have personally participated in and supervised the field work reported herein.

B. Wengzynowski

W.A. Wengzynowski, P.Eng.

APPENDIX II

CERTIFICATES OF ANALYSIS

ALS Chemex

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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : EUREKA
Comments:

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Total [redacted]es : 1
Certificate Date: 20-OCT-2000
Invoice No. : I0031265
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0031265

SAMPLE	PREP CODE		Au ppb FA+AA									
935448	205	226	130									

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V6B 1L8

Project : EUREKA
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Page Number : 1
Total Pages : 1
Certificate Date: 04-OCT-2000
Invoice No. : I0030047
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0030047

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R15393	205	226	1850
R15394	205	226	1400
R15395	205	226	20

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Project : EUREKA
Comments:

Page Number : 1-A
Total Pages : 1
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P.O. Number :
Account : RDF

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Project : EUREKA
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Invoice No. : I0027544
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Project : EUREKA
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P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0027531

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T13561	201	202	85									
T13562	201	202	30									

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T13567	201	202	115									
T13568	201	202	10									

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Project :
Comments: ATTN: DOUG EATON

Page Number :1-A
Total Pages :1
Certificate Date: 25-AUG-2000
Invoice No. :I0025357
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Account :MTT

CERTIFICATE OF ANALYSIS A0025357

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M 112527	244 --	2.23	Minrlzd	200	18.50	280	0.50	1.15	Minrlzd	Minrlzd	52	21.0	198	Minrlzd	Minrlzd
M 112961	244 --	2.19	0.4	160	72.5	205	0.06	2.12	44.3	11.25	83	62.5	511	22.2	3.3
R 12416	244 --	6.46	0.8	750	22.5	98.9	0.08	2.11	55.2	8.60	162	20.4	51	16.3	2.3

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Certificate Date: 25-AUG-2000
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P.O. Number :
Account : MTT

CERTIFICATE OF ANALYSIS A0025357

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R 12416	244	--	4.81	29.0	15.5	66.6	1.52	1460	4.2	85.6	14.2	860	1.01	60.0	0.45	1.33

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Project :
Comments: ATTN: DOUG EATON

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Total Pages :1
Certificate Date: 25-AUG-2000
Invoice No. :I0025357
P.O. Number :
Account :MTT

CERTIFICATE OF ANALYSIS A0025357

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M 112961	244 --	127.0	0.55	1.35	0.64	3.4	0.69	956	4.8	91	13.9	102
R 12416	244 --	218	1.15	0.65	0.54	7.8	0.52	202	2.6	127	20.1	108

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Project : EUREKA JV
Comments:

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P.O. Number :
Account : RDF

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BB31596	201	202	60	0.2	1.41	26	< 10	190	< 0.5	< 2	0.10	< 0.5	7	31	18	2.41	< 10	< 1	0.10	10	0.38
BB31597	201	202	30	1.4	2.38	40	< 10	440	< 0.5	< 2	0.22	< 0.5	7	43	38	3.16	< 10	< 1	0.09	20	0.34
BB31598	201	202	10	0.2	1.30	14	< 10	200	< 0.5	< 2	0.16	< 0.5	6	28	17	2.00	< 10	< 1	0.04	10	0.38
BB31599	201	202	5	0.2	1.60	12	< 10	290	< 0.5	< 2	0.21	< 0.5	7	33	25	2.43	< 10	< 1	0.05	10	0.47
BB31600	201	202	< 5	0.2	1.56	14	< 10	220	< 0.5	< 2	0.18	< 0.5	7	33	22	2.34	< 10	< 1	0.05	10	0.49
BB31601	201	202	10	< 0.2	1.71	10	< 10	180	< 0.5	< 2	0.17	< 0.5	7	34	19	2.39	< 10	< 1	0.04	10	0.51
BB31602	201	202	5	< 0.2	1.53	10	< 10	180	< 0.5	< 2	0.15	< 0.5	7	32	19	2.27	< 10	< 1	0.04	10	0.48
BB31603	201	202	10	< 0.2	1.60	10	< 10	280	< 0.5	< 2	0.15	< 0.5	8	34	20	2.36	< 10	< 1	0.03	10	0.48
BB31604	201	202	10	0.2	1.59	20	< 10	140	< 0.5	< 2	0.04	< 0.5	6	30	21	3.49	< 10	< 1	0.05	10	0.23
BB31605	201	202	< 5	0.4	2.55	14	< 10	240	< 0.5	< 2	0.10	< 0.5	9	40	21	3.42	< 10	< 1	0.04	10	0.34
BB31606	201	202	15	0.2	1.89	14	< 10	180	< 0.5	< 2	0.08	< 0.5	9	36	31	3.04	< 10	< 1	0.13	20	0.40
BB31607	201	202	10	0.2	1.63	16	< 10	150	< 0.5	< 2	0.08	< 0.5	7	33	25	3.13	< 10	< 1	0.08	10	0.35
BB31608	201	202	10	0.2	1.64	18	< 10	220	< 0.5	< 2	0.17	< 0.5	8	34	24	2.52	< 10	< 1	0.09	10	0.49
BB31609	201	202	< 5	0.4	1.82	26	< 10	290	< 0.5	< 2	0.16	< 0.5	9	38	26	2.89	< 10	< 1	0.07	10	0.51
BB31610	201	202	< 5	0.2	2.41	24	< 10	290	< 0.5	< 2	0.14	< 0.5	14	44	30	3.13	< 10	< 1	0.06	10	0.57
BB31611	201	202	< 5	0.2	2.19	22	< 10	200	< 0.5	< 2	0.15	< 0.5	9	38	22	2.84	< 10	< 1	0.04	< 10	0.53
BB31612	201	202	< 5	0.2	1.79	24	< 10	330	< 0.5	< 2	0.10	< 0.5	8	31	18	2.39	< 10	< 1	0.04	10	0.39
BB31613	201	202	< 5	0.6	1.83	16	< 10	240	< 0.5	< 2	0.15	< 0.5	9	31	14	2.45	< 10	< 1	0.03	< 10	0.43
BB31614	201	202	10	< 0.2	1.43	32	< 10	190	< 0.5	< 2	0.06	< 0.5	8	25	20	2.03	< 10	< 1	0.03	30	0.26
BB31615	201	202	< 5	0.2	2.34	24	< 10	260	< 0.5	< 2	0.11	< 0.5	14	39	23	3.38	< 10	< 1	0.05	10	0.47
BB31616	201	202	5	0.2	1.78	18	< 10	90	< 0.5	< 2	0.05	< 0.5	6	31	11	3.68	< 10	< 1	0.03	< 10	0.25
BB31617	201	202	65	0.2	1.07	26	< 10	150	< 0.5	< 2	0.19	< 0.5	7	25	19	2.09	< 10	< 1	0.05	10	0.37
BB31618	201	202	20	0.2	1.55	24	< 10	250	< 0.5	< 2	0.10	< 0.5	7	35	22	2.57	< 10	< 1	0.04	10	0.39
BB31619	201	202	25	0.4	1.63	22	< 10	250	< 0.5	< 2	0.09	< 0.5	6	38	18	2.56	< 10	< 1	0.04	10	0.40
BB31620	201	202	40	0.6	1.70	24	< 10	300	< 0.5	< 2	0.09	< 0.5	5	46	24	2.50	< 10	< 1	0.06	10	0.43
BB31621	201	202	30	0.2	1.17	26	< 10	260	< 0.5	< 2	0.04	< 0.5	7	34	28	2.84	< 10	< 1	0.23	20	0.31
BB31622	201	202	45	0.2	1.34	18	< 10	280	< 0.5	< 2	0.09	< 0.5	7	40	26	2.25	< 10	< 1	0.05	10	0.46
BB31623	201	202	30	0.2	1.23	18	< 10	280	< 0.5	< 2	0.08	< 0.5	6	30	23	2.11	< 10	< 1	0.05	10	0.35
BB31624	201	202	10	< 0.2	1.13	10	< 10	220	< 0.5	< 2	0.06	< 0.5	5	30	20	2.09	< 10	< 1	0.04	10	0.34
BB31625	201	202	10	0.2	1.77	10	< 10	190	< 0.5	< 2	0.06	< 0.5	7	34	19	2.74	< 10	< 1	0.04	10	0.42
BB31626	201	202	10	0.2	1.80	8	< 10	170	< 0.5	< 2	0.06	< 0.5	6	32	19	2.61	< 10	< 1	0.04	10	0.42
BB31627	201	202	10	0.2	1.57	10	< 10	180	< 0.5	< 2	0.05	< 0.5	5	31	18	2.57	< 10	< 1	0.06	10	0.32
BB31628	201	202	< 5	< 0.2	1.69	12	< 10	160	< 0.5	< 2	0.06	< 0.5	6	33	18	2.68	< 10	< 1	0.04	10	0.34
BB31629	201	202	5	< 0.2	1.48	10	< 10	220	< 0.5	< 2	0.08	< 0.5	8	32	23	2.66	< 10	< 1	0.10	20	0.41
BB31630	201	202	10	0.6	1.73	10	< 10	220	< 0.5	< 2	0.07	< 0.5	6	42	23	2.80	< 10	< 1	0.10	10	0.45
BB31631	201	202	10	< 0.2	1.64	16	< 10	270	< 0.5	< 2	0.07	< 0.5	5	27	25	2.50	< 10	< 1	0.08	10	0.45
BB31632	201	202	15	< 0.2	1.77	16	< 10	160	< 0.5	< 2	0.06	< 0.5	7	33	19	3.43	< 10	< 1	0.04	10	0.42
BB31633	201	202	10	0.2	1.49	16	< 10	450	< 0.5	< 2	0.09	< 0.5	17	25	51	2.45	< 10	< 1	0.10	10	0.59
BB31634	201	202	15	0.2	1.44	10	< 10	460	< 0.5	< 2	0.07	< 0.5	9	25	42	2.25	< 10	< 1	0.09	10	0.54

CERTIFICATION: _____

ALS Chemex

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To: EUREKA JOINT VENTURE
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
Comments:

Page Number : 1-B
Total Pages : 8
Certificate Date: 04-JUL-2000
Invoice No. : I0021615
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021615

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB31595	201	202	180	2	< 0.01	15	400	8	0.01	< 2	2	15	0.05	< 10	< 10	47	< 10	52
BB31596	201	202	175	2	< 0.01	18	330	10	< 0.01	< 2	3	14	0.07	< 10	< 10	51	< 10	64
BB31597	201	202	160	2	< 0.01	24	1080	14	0.07	< 2	4	32	0.04	< 10	< 10	61	< 10	70
BB31598	201	202	175	1	< 0.01	15	360	8	< 0.01	< 2	3	17	0.06	< 10	< 10	44	< 10	46
BB31599	201	202	205	1	0.01	19	390	10	< 0.01	< 2	3	22	0.07	< 10	< 10	52	< 10	54
BB31600	201	202	195	1	< 0.01	19	460	8	< 0.01	< 2	3	19	0.07	< 10	< 10	49	< 10	56
BB31601	201	202	185	2	0.01	20	410	8	< 0.01	2	3	17	0.07	< 10	< 10	51	< 10	54
BB31602	201	202	195	1	< 0.01	19	330	8	< 0.01	2	3	16	0.07	< 10	< 10	49	< 10	46
BB31603	201	202	220	1	< 0.01	19	190	8	< 0.01	2	5	19	0.06	< 10	< 10	50	< 10	46
BB31604	201	202	195	2	< 0.01	20	660	10	0.01	2	2	9	0.06	< 10	< 10	66	< 10	48
BB31605	201	202	240	1	< 0.01	21	750	12	0.01	2	3	14	0.06	< 10	< 10	75	< 10	56
BB31606	201	202	180	1	< 0.01	29	280	10	0.01	< 2	3	12	0.08	< 10	< 10	59	< 10	68
BB31607	201	202	175	1	< 0.01	23	340	10	0.01	< 2	3	12	0.08	< 10	< 10	68	< 10	64
BB31608	201	202	195	2	0.01	23	390	8	< 0.01	< 2	3	20	0.07	< 10	< 10	52	< 10	68
BB31609	201	202	295	2	< 0.01	25	360	10	0.01	< 2	3	22	0.06	< 10	< 10	66	< 10	64
BB31610	201	202	265	3	< 0.01	32	260	12	< 0.01	< 2	4	22	0.06	< 10	< 10	63	< 10	66
BB31611	201	202	195	2	< 0.01	25	220	10	0.01	< 2	3	20	0.06	< 10	< 10	63	< 10	54
BB31612	201	202	230	3	< 0.01	21	180	8	< 0.01	< 2	3	16	0.04	< 10	< 10	61	< 10	48
BB31613	201	202	235	1	< 0.01	20	160	6	< 0.01	2	2	21	0.05	< 10	< 10	63	< 10	50
BB31614	201	202	215	3	< 0.01	18	400	8	< 0.01	< 2	2	13	0.04	< 10	< 10	47	< 10	54
BB31615	201	202	420	2	< 0.01	29	580	12	0.01	< 2	3	15	0.07	< 10	< 10	66	< 10	70
BB31616	201	202	225	2	< 0.01	12	470	12	0.01	2	2	8	0.07	< 10	< 10	79	< 10	40
BB31617	201	202	145	2	< 0.01	16	740	28	0.01	< 2	2	18	0.05	< 10	< 10	41	< 10	80
BB31618	201	202	245	3	< 0.01	16	510	14	0.01	2	3	15	0.05	< 10	< 10	53	< 10	54
BB31619	201	202	190	2	< 0.01	17	280	12	< 0.01	< 2	3	14	0.05	< 10	< 10	52	< 10	52
BB31620	201	202	145	3	< 0.01	20	430	14	0.02	< 2	3	15	0.06	< 10	< 10	54	< 10	60
BB31621	201	202	120	1	< 0.01	26	500	12	0.01	2	3	12	0.07	< 10	< 10	46	< 10	104
BB31622	201	202	185	1	< 0.01	17	300	10	0.02	< 2	4	14	0.06	< 10	< 10	47	< 10	50
BB31623	201	202	170	1	< 0.01	14	390	10	0.01	2	3	14	0.05	< 10	< 10	43	< 10	42
BB31624	201	202	155	2	< 0.01	14	300	10	0.01	< 2	3	11	0.05	< 10	< 10	40	< 10	40
BB31625	201	202	235	1	< 0.01	17	270	8	0.01	2	3	10	0.05	< 10	< 10	55	< 10	48
BB31626	201	202	165	1	< 0.01	17	230	8	0.02	< 2	2	11	0.06	< 10	< 10	49	< 10	42
BB31627	201	202	125	2	< 0.01	15	280	10	0.02	< 2	3	9	0.05	< 10	< 10	48	< 10	38
BB31628	201	202	155	2	< 0.01	14	270	14	0.01	2	3	10	0.06	< 10	< 10	55	< 10	40
BB31629	201	202	225	2	< 0.01	18	320	10	0.03	< 2	4	13	0.07	< 10	< 10	47	< 10	48
BB31630	201	202	165	1	< 0.01	22	310	10	0.01	< 2	3	11	0.07	< 10	< 10	53	< 10	50
BB31631	201	202	360	3	< 0.01	14	440	8	0.01	< 2	3	12	0.07	< 10	< 10	64	< 10	54
BB31632	201	202	225	1	< 0.01	17	380	10	0.01	< 2	2	10	0.06	< 10	< 10	59	< 10	52
BB31633	201	202	665	1	< 0.01	28	600	10	0.01	< 2	4	13	0.06	< 10	< 10	58	< 10	60
BB31634	201	202	310	2	< 0.01	23	430	12	< 0.01	< 2	4	13	0.07	< 10	< 10	51	< 10	58

CERTIFICATION: _____

ALS Chemex

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To: EUREKA JOINT VENTURE
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
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Page Number :2-A
Total Pages :8
Certificate Date: 04-JUL-2000
Invoice No. :I0021615
P.O. Number :
Account :RDF

CERTIFICATE OF ANALYSIS A0021615

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB31635	201	202	10	< 0.2	1.11	24	< 10	170	< 0.5	< 2	0.15	< 0.5	8	28	21	2.09	< 10	< 1	0.03	10	0.32
BB31636	201	202	5	< 0.2	2.21	12	< 10	190	< 0.5	2	0.10	< 0.5	8	34	13	2.78	< 10	< 1	0.04	< 10	0.41
BB31637	201	202	30	< 0.2	2.58	30	< 10	320	< 0.5	< 2	0.09	< 0.5	10	42	22	3.49	< 10	< 1	0.05	< 10	0.53
BB31638	201	202	< 10	< 0.2	2.16	42	< 10	290	< 0.5	< 2	0.12	0.5	10	42	27	3.33	< 10	< 1	0.05	10	0.51
BB31639	201	202	310	< 0.2	1.47	30	< 10	220	< 0.5	< 2	0.13	< 0.5	8	33	20	2.46	< 10	< 1	0.04	10	0.42
BB31640	201	202	10	< 0.2	1.28	26	< 10	190	< 0.5	< 2	0.12	< 0.5	7	28	15	2.12	< 10	< 1	0.04	10	0.40
BB31641	201	202	20	< 0.2	1.52	40	< 10	250	< 0.5	< 2	0.13	< 0.5	8	32	18	2.81	< 10	< 1	0.05	10	0.37
BB31642	201	202	10	0.6	1.71	32	< 10	220	< 0.5	< 2	0.13	< 0.5	8	34	17	2.77	< 10	< 1	0.08	10	0.38
BB31643	201	202	5	< 0.2	1.71	42	< 10	260	< 0.5	< 2	0.11	< 0.5	10	35	21	2.98	< 10	< 1	0.06	10	0.41
BB31644	201	202	15	< 0.2	1.19	28	< 10	230	< 0.5	< 2	0.16	< 0.5	6	27	17	2.41	< 10	< 1	0.05	10	0.31
BB31645	201	202	10	< 0.2	1.31	32	< 10	210	< 0.5	< 2	0.19	< 0.5	8	29	18	2.24	< 10	< 1	0.04	10	0.45
BB31646	201	202	20	< 0.2	1.58	16	< 10	180	< 0.5	2	0.14	< 0.5	9	35	17	2.70	< 10	< 1	0.06	10	0.51
BB31647	201	202	35	< 0.2	0.92	24	< 10	180	< 0.5	< 2	0.15	< 0.5	4	19	11	1.74	< 10	< 1	0.03	10	0.28
BB31648	201	202	45	< 0.2	1.45	44	< 10	190	< 0.5	< 2	0.14	0.5	6	27	20	2.49	< 10	< 1	0.05	10	0.40
BB31649	201	202	40	< 0.2	1.22	30	< 10	170	< 0.5	< 2	0.14	< 0.5	5	25	14	1.89	< 10	< 1	0.05	10	0.32
BB31650	201	202	315	< 0.2	1.49	32	< 10	180	< 0.5	< 2	0.09	< 0.5	6	32	18	2.63	< 10	< 1	0.04	10	0.43
BB31651	201	202	145	0.4	0.86	38	< 10	210	< 0.5	< 2	0.04	< 0.5	1	24	18	2.10	< 10	< 1	0.03	10	0.15
BB31652	201	202	90	< 0.2	0.92	32	< 10	170	< 0.5	< 2	0.03	< 0.5	5	50	27	2.59	< 10	< 1	0.04	20	0.21
BB31653	201	202	25	< 0.2	1.82	8	< 10	250	< 0.5	2	0.08	< 0.5	8	47	34	2.66	< 10	< 1	0.05	10	0.59
BB31654	201	202	20	< 0.2	1.58	10	< 10	260	< 0.5	< 2	0.09	< 0.5	7	53	24	2.49	< 10	< 1	0.07	10	0.52
BB31655	201	202	10	0.2	2.06	22	< 10	660	< 0.5	< 2	0.04	< 0.5	13	30	63	3.21	< 10	< 1	0.38	10	0.92
BB31656	201	202	5	< 0.2	2.36	10	< 10	300	< 0.5	< 2	0.08	< 0.5	9	38	23	3.50	< 10	< 1	0.13	< 10	0.67
BB31657	201	202	10	0.2	2.54	22	< 10	410	< 0.5	< 2	0.07	< 0.5	14	47	33	4.18	< 10	< 1	0.25	10	0.71
BB31658	201	202	10	< 0.2	0.85	82	< 10	290	< 0.5	< 2	0.10	0.5	4	25	24	2.53	< 10	< 1	0.04	10	0.17
BB31659	201	202	35	< 0.2	1.55	28	< 10	140	< 0.5	< 2	0.07	< 0.5	5	30	10	3.13	< 10	< 1	0.04	10	0.36
BB31660	201	202	10	< 0.2	1.10	14	< 10	90	< 0.5	< 2	0.05	< 0.5	3	25	7	2.57	< 10	< 1	0.03	10	0.20
BB31661	201	202	< 5	< 0.2	1.92	26	< 10	330	< 0.5	< 2	0.10	0.5	8	36	15	3.69	< 10	< 1	0.04	10	0.43
BB31662	201	202	15	< 0.2	1.36	30	< 10	270	< 0.5	< 2	0.12	< 0.5	12	30	14	2.50	< 10	< 1	0.05	10	0.30
BB31663	201	202	< 5	< 0.2	2.25	34	< 10	290	< 0.5	< 2	0.18	< 0.5	9	42	21	3.40	< 10	< 1	0.11	10	0.52
BB31664	201	202	5	< 0.2	1.71	38	< 10	200	< 0.5	< 2	0.09	< 0.5	6	33	25	2.76	< 10	1	0.06	10	0.40
BB31665	201	202	15	< 0.2	2.04	32	< 10	320	< 0.5	< 2	0.14	0.5	9	38	21	2.84	< 10	< 1	0.09	10	0.48
BB31666	201	202	10	0.2	1.54	30	< 10	220	< 0.5	< 2	0.16	< 0.5	6	33	18	3.15	< 10	< 1	0.09	10	0.38
BB31667	201	202	10	< 0.2	1.92	16	< 10	270	< 0.5	< 2	0.17	0.5	10	38	25	2.98	< 10	< 1	0.08	10	0.54
BB31668	201	202	15	< 0.2	1.23	10	< 10	220	< 0.5	< 2	0.13	< 0.5	6	29	17	2.22	< 10	1	0.07	10	0.39
BB31669	201	202	20	< 0.2	1.59	20	< 10	210	< 0.5	< 2	0.10	< 0.5	7	31	23	2.81	< 10	< 1	0.19	10	0.50
BB31670	201	202	10	< 0.2	1.34	28	< 10	170	< 0.5	< 2	0.10	< 0.5	7	31	17	2.44	< 10	< 1	0.12	10	0.44
BB31671	201	202	15	< 0.2	1.57	50	< 10	290	< 0.5	< 2	0.15	< 0.5	6	30	25	2.61	< 10	< 1	0.07	10	0.43
BB31672	201	202	430	0.2	1.28	144	< 10	310	< 0.5	< 2	0.08	< 0.5	8	27	27	2.43	< 10	4	0.13	30	0.28
BB31673	201	202	< 5	< 0.2	1.58	22	< 10	270	< 0.5	< 2	0.12	< 0.5	9	32	14	3.05	< 10	< 1	0.09	10	0.37
BB31674	201	202	5	< 0.2	1.45	14	< 10	190	< 0.5	< 2	0.09	< 0.5	6	30	20	2.85	< 10	< 1	0.10	10	0.32

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[redacted]: EUREKA JOINT VENTURE
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
Comments:

Page [redacted]er : 2-B
Total [redacted]s : 8
Certificate Date: 04-JUL-2000
Invoice No. : I0021615
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021615

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB31635	201	202	220	3	< 0.01	18	620	8	< 0.01	2	2	21	0.05	< 10	< 10	43	< 10	48
BB31636	201	202	230	< 1	< 0.01	15	320	8	< 0.01	< 2	4	12	0.05	< 10	< 10	67	< 10	50
BB31637	201	202	255	3	< 0.01	24	310	12	< 0.01	< 2	4	15	0.06	< 10	< 10	77	< 10	64
BB31638	201	202	235	2	< 0.01	26	600	10	0.01	< 2	4	18	0.05	< 10	< 10	80	< 10	62
BB31639	201	202	175	3	< 0.01	18	350	8	< 0.01	< 2	3	18	0.06	< 10	< 10	63	< 10	48
BB31640	201	202	245	< 1	< 0.01	17	270	8	< 0.01	< 2	3	15	0.05	< 10	< 10	53	< 10	42
BB31641	201	202	175	2	< 0.01	18	530	8	< 0.01	< 2	3	17	0.05	< 10	< 10	69	< 10	50
BB31642	201	202	190	2	< 0.01	17	430	14	< 0.01	6	3	16	0.05	< 10	< 10	68	< 10	50
BB31643	201	202	325	1	< 0.01	20	670	14	< 0.01	< 2	3	19	0.05	< 10	< 10	69	< 10	54
BB31644	201	202	180	3	< 0.01	15	420	6	< 0.01	< 2	3	21	0.05	< 10	< 10	59	< 10	48
BB31645	201	202	255	2	< 0.01	17	370	6	< 0.01	< 2	4	20	0.06	< 10	< 10	50	< 10	54
BB31646	201	202	250	2	< 0.01	19	310	8	0.01	6	3	16	0.06	< 10	< 10	59	< 10	58
BB31647	201	202	115	2	< 0.01	10	570	8	0.03	< 2	1	18	0.03	< 10	< 10	41	< 10	38
BB31648	201	202	120	1	< 0.01	16	590	10	0.01	< 2	3	18	0.03	< 10	< 10	46	< 10	62
BB31649	201	202	110	1	< 0.01	11	480	6	0.01	< 2	1	17	0.03	< 10	< 10	46	< 10	46
BB31650	201	202	195	1	< 0.01	17	340	22	< 0.01	< 2	3	13	0.05	< 10	< 10	53	< 10	52
BB31651	201	202	90	3	< 0.01	8	410	18	0.01	4	1	11	0.02	< 10	< 10	37	< 10	24
BB31652	201	202	165	6	< 0.01	15	480	18	0.01	4	3	8	0.04	< 10	< 10	53	< 10	34
BB31653	201	202	285	2	< 0.01	25	210	12	< 0.01	2	5	12	0.07	< 10	< 10	57	< 10	58
BB31654	201	202	285	1	< 0.01	26	280	12	< 0.01	< 2	6	12	0.07	< 10	< 10	55	< 10	78
BB31655	201	202	605	1	< 0.01	39	420	12	< 0.01	< 2	7	10	0.12	< 10	< 10	63	< 10	144
BB31656	201	202	355	1	< 0.01	34	230	16	0.01	< 2	4	11	0.10	< 10	< 10	66	< 10	110
BB31657	201	202	620	1	< 0.01	36	380	14	0.01	< 2	6	11	0.12	< 10	< 10	85	< 10	128
BB31658	201	202	150	5	< 0.01	14	630	10	0.01	< 2	1	22	0.05	< 10	< 10	64	< 10	42
BB31659	201	202	180	1	< 0.01	11	350	12	0.01	2	3	11	0.08	< 10	< 10	89	< 10	44
BB31660	201	202	140	< 1	< 0.01	9	360	10	< 0.01	< 2	2	8	0.10	< 10	< 10	94	< 10	32
BB31661	201	202	545	< 1	< 0.01	17	570	6	0.01	< 2	3	16	0.06	< 10	< 10	91	< 10	72
BB31662	201	202	410	3	< 0.01	15	310	12	< 0.01	< 2	3	21	0.05	< 10	< 10	72	< 10	50
BB31663	201	202	245	2	< 0.01	22	400	12	0.01	< 2	4	28	0.06	< 10	< 10	85	< 10	66
BB31664	201	202	160	2	< 0.01	20	340	22	< 0.01	< 2	3	18	0.05	< 10	< 10	66	< 10	52
BB31665	201	202	200	2	< 0.01	23	410	16	< 0.01	< 2	3	22	0.06	< 10	< 10	66	< 10	58
BB31666	201	202	180	3	< 0.01	20	580	16	0.01	< 2	3	18	0.07	< 10	< 10	79	< 10	50
BB31667	201	202	395	2	< 0.01	21	350	14	< 0.01	< 2	4	19	0.06	< 10	< 10	66	< 10	64
BB31668	201	202	210	1	< 0.01	15	310	12	< 0.01	< 2	3	16	0.06	< 10	< 10	56	< 10	46
BB31669	201	202	240	1	< 0.01	19	310	10	< 0.01	< 2	4	13	0.09	< 10	< 10	48	< 10	80
BB31670	201	202	185	1	< 0.01	20	350	10	0.01	< 2	3	13	0.07	< 10	< 10	49	< 10	74
BB31671	201	202	160	< 1	< 0.01	18	530	12	0.01	< 2	3	25	0.05	< 10	< 10	52	< 10	70
BB31672	201	202	150	1	< 0.01	21	700	22	0.03	6	3	47	0.06	< 10	< 10	47	< 10	70
BB31673	201	202	1030	< 1	< 0.01	18	1280	8	0.01	2	4	14	0.06	< 10	< 10	70	< 10	82
BB31674	201	202	175	1	< 0.01	20	370	8	0.01	< 2	3	13	0.07	< 10	< 10	74	< 10	78

CERTIFICATION: [signature] +

ALS Chemex

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Analytical Chemists * Geochemists * Registered Assayers
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Y1A 3S9

Project : EUREKA JV
Comments:

Certificate Date: 04-JUL-2000
Invoice No. : I0021615
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021615

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB31675	201	202	5	< 0.2	1.93	16	< 10	250	< 0.5	< 2	0.12	< 0.5	8	38	28	2.87	< 10	1	0.07	10	0.56
BB31676	201	202	10	< 0.2	2.26	12	< 10	270	< 0.5	< 2	0.10	< 0.5	11	42	32	3.36	< 10	1	0.28	30	0.66
BB31677	201	202	5	< 0.2	1.61	12	< 10	190	< 0.5	< 2	0.10	< 0.5	5	31	16	2.81	< 10	< 1	0.06	10	0.34
BB31678	201	202	< 5	< 0.2	1.88	14	< 10	260	< 0.5	< 2	0.08	0.5	15	42	38	3.05	< 10	< 1	0.23	20	0.60
BB31679	201	202	25	0.2	2.23	32	< 10	390	< 0.5	< 2	0.19	< 0.5	9	46	34	3.56	< 10	< 1	0.16	20	0.51
BB31680	201	202	15	< 0.2	2.75	38	< 10	680	< 0.5	< 2	0.09	< 0.5	9	46	29	3.65	< 10	< 1	0.05	10	0.47
BB31681	201	202	5	< 0.2	1.78	8	< 10	360	< 0.5	< 2	0.05	< 0.5	9	37	26	3.00	< 10	< 1	0.09	10	0.30
BB31682	201	202	< 5	0.2	2.19	12	< 10	240	< 0.5	< 2	0.10	0.5	7	37	16	3.00	< 10	< 1	0.03	10	0.40
BB31683	201	202	5	< 0.2	2.30	10	< 10	310	< 0.5	< 2	0.12	< 0.5	11	42	27	2.84	< 10	< 1	0.04	10	0.54
BB31684	201	202	10	0.2	0.51	26	< 10	320	< 0.5	< 2	0.04	< 0.5	3	15	16	1.38	< 10	< 1	0.03	10	0.10
BB31685	201	202	25	0.2	1.51	16	< 10	300	< 0.5	< 2	0.19	< 0.5	5	25	20	1.99	< 10	< 1	0.06	10	0.30
BB31686	201	202	10	< 0.2	1.55	16	< 10	240	< 0.5	< 2	0.18	< 0.5	7	30	19	2.45	< 10	< 1	0.06	10	0.42
BB31687	201	202	15	< 0.2	1.75	18	< 10	220	< 0.5	2	0.14	< 0.5	12	31	18	2.60	< 10	< 1	0.06	10	0.37
BB31688	201	202	20	< 0.2	1.87	8	< 10	320	< 0.5	< 2	0.21	< 0.5	7	32	23	2.56	< 10	< 1	0.05	10	0.40
BB31689	201	202	10	< 0.2	1.51	14	< 10	230	< 0.5	< 2	0.18	< 0.5	9	32	24	2.36	< 10	< 1	0.04	10	0.45
BB31690	201	202	15	0.2	1.58	20	< 10	260	< 0.5	< 2	0.17	< 0.5	5	30	24	2.41	< 10	< 1	0.07	10	0.36
BB31691	201	202	10	< 0.2	1.57	24	< 10	250	< 0.5	< 2	0.13	< 0.5	7	30	21	2.54	< 10	< 1	0.08	10	0.35
BB31692	201	202	15	< 0.2	1.33	18	< 10	200	< 0.5	< 2	0.11	< 0.5	6	28	18	2.27	< 10	< 1	0.07	10	0.38
BB31693	201	202	10	< 0.2	1.20	38	< 10	230	< 0.5	< 2	0.10	< 0.5	6	24	21	2.11	< 10	< 1	0.09	20	0.29
BB31694	201	202	60	< 0.2	0.94	64	< 10	220	< 0.5	< 2	0.08	< 0.5	4	22	21	1.97	< 10	< 1	0.09	20	0.22
BB31695	201	202	10	< 0.2	1.64	20	< 10	200	< 0.5	< 2	0.14	< 0.5	12	32	16	2.84	< 10	< 1	0.11	20	0.39
BB31696	201	202	10	< 0.2	1.88	16	< 10	180	< 0.5	< 2	0.09	0.5	8	38	30	2.95	< 10	< 1	0.12	10	0.51
BB31697	201	202	10	< 0.2	1.76	20	< 10	190	< 0.5	< 2	0.09	< 0.5	10	39	29	2.85	< 10	< 1	0.13	10	0.51
BB31698	201	202	15	< 0.2	1.96	10	< 10	270	< 0.5	< 2	0.12	< 0.5	13	42	34	2.80	< 10	< 1	0.08	20	0.59
BB31699	201	202	10	< 0.2	1.81	2	< 10	190	< 0.5	< 2	0.12	< 0.5	8	38	21	2.70	< 10	1	0.06	10	0.53
BB31700	201	202	5	< 0.2	1.70	12	< 10	220	< 0.5	< 2	0.09	< 0.5	8	31	23	3.12	< 10	< 1	0.08	10	0.35
BB31701	201	202	15	< 0.2	2.15	14	< 10	240	< 0.5	< 2	0.13	< 0.5	16	43	31	3.44	< 10	< 1	0.09	10	0.57
BB31702	201	202	5	< 0.2	1.66	16	< 10	180	< 0.5	< 2	0.07	< 0.5	6	32	23	3.08	< 10	< 1	0.11	10	0.31
BB31703	201	202	15	< 0.2	1.25	18	< 10	180	< 0.5	< 2	0.09	< 0.5	5	27	19	2.05	< 10	< 1	0.05	10	0.35
BB31704	201	202	35	< 0.2	1.46	16	< 10	180	< 0.5	< 2	0.08	< 0.5	5	28	23	2.06	< 10	< 1	0.06	10	0.33
BB31705	201	202	15	< 0.2	0.71	12	< 10	130	< 0.5	< 2	0.05	< 0.5	4	16	18	1.34	< 10	< 1	0.06	30	0.13
BB31706	201	202	10	< 0.2	1.33	20	< 10	140	< 0.5	< 2	0.14	< 0.5	11	32	20	2.62	< 10	< 1	0.12	20	0.38
BB31707	201	202	15	< 0.2	0.74	54	< 10	130	< 0.5	< 2	0.10	< 0.5	13	24	30	3.38	< 10	< 1	0.09	30	0.18
BB31708	201	202	25	< 0.2	1.44	36	< 10	110	< 0.5	< 2	0.06	< 0.5	6	28	17	2.91	< 10	< 1	0.04	10	0.26
BB31709	201	202	40	< 0.2	1.13	64	< 10	60	< 0.5	< 2	0.05	< 0.5	3	30	14	4.13	< 10	< 1	0.04	10	0.18
BB31710	201	202	30	0.2	1.91	24	< 10	390	< 0.5	< 2	0.20	< 0.5	10	36	33	3.10	< 10	< 1	0.08	20	0.38
BB31711	201	202	10	< 0.2	1.52	18	< 10	250	< 0.5	< 2	0.16	< 0.5	7	30	19	2.30	< 10	1	0.05	10	0.40
BB31712	201	202	30	< 0.2	1.64	18	< 10	240	< 0.5	< 2	0.13	< 0.5	8	30	23	2.44	< 10	< 1	0.06	10	0.41
BB31713	201	202	10	< 0.2	1.17	14	< 10	220	< 0.5	< 2	0.12	< 0.5	5	25	15	1.98	< 10	< 1	0.07	10	0.32
BB31714	201	202	15	< 0.2	1.42	10	< 10	300	< 0.5	< 2	0.18	< 0.5	7	34	23	2.27	< 10	< 1	0.05	10	0.44

CERTIFICATION: [signature] +

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SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB31675	201 202	240	2	< 0.01	22	190	6	< 0.01	< 2	5	17	0.08	< 10	< 10	62	< 10	70
BB31676	201 202	250	2	< 0.01	30	260	10	0.01	< 2	5	14	0.12	< 10	< 10	67	< 10	102
BB31677	201 202	170	2	< 0.01	16	340	8	< 0.01	< 2	4	13	0.09	< 10	< 10	90	< 10	52
BB31678	201 202	330	1	< 0.01	29	250	8	< 0.01	< 2	4	13	0.12	< 10	< 10	70	< 10	98
BB31679	201 202	230	2	0.01	31	760	16	0.03	2	4	24	0.07	< 10	< 10	68	< 10	124
BB31680	201 202	225	2	< 0.01	25	690	10	0.01	< 2	5	16	0.05	< 10	< 10	81	< 10	58
BB31681	201 202	180	1	< 0.01	22	460	8	< 0.01	2	4	10	0.05	< 10	< 10	64	< 10	64
BB31682	201 202	215	2	< 0.01	16	320	10	< 0.01	< 2	3	14	0.06	< 10	< 10	74	< 10	56
BB31683	201 202	250	< 1	< 0.01	23	170	10	< 0.01	2	4	15	0.06	< 10	< 10	66	< 10	54
BB31684	201 202	170	1	< 0.01	10	540	10	< 0.01	2	1	13	0.01	< 10	< 10	39	< 10	36
BB31685	201 202	105	3	< 0.01	16	680	8	0.02	< 2	3	20	0.03	< 10	< 10	44	< 10	58
BB31686	201 202	235	1	< 0.01	18	380	6	< 0.01	2	4	19	0.06	< 10	< 10	52	< 10	64
BB31687	201 202	450	3	< 0.01	16	380	10	< 0.01	< 2	4	16	0.06	< 10	< 10	59	< 10	64
BB31688	201 202	195	3	< 0.01	18	400	14	0.01	< 2	4	22	0.06	< 10	< 10	56	< 10	68
BB31689	201 202	235	1	< 0.01	18	350	6	< 0.01	< 2	4	17	0.07	< 10	< 10	53	< 10	64
BB31690	201 202	150	1	< 0.01	17	410	16	0.01	2	3	21	0.06	< 10	< 10	56	< 10	66
BB31691	201 202	170	1	< 0.01	18	420	12	0.01	< 2	3	17	0.06	< 10	< 10	59	< 10	66
BB31692	201 202	155	< 1	< 0.01	15	320	10	< 0.01	< 2	3	14	0.07	< 10	< 10	52	< 10	62
BB31693	201 202	135	< 1	< 0.01	15	410	10	0.01	< 2	3	16	0.05	< 10	< 10	48	< 10	60
BB31694	201 202	110	< 1	< 0.01	13	560	16	0.02	2	3	15	0.05	< 10	< 10	47	< 10	54
BB31695	201 202	785	3	< 0.01	16	1260	14	< 0.01	2	4	15	0.07	< 10	< 10	68	< 10	70
BB31696	201 202	235	2	< 0.01	21	230	8	< 0.01	< 2	4	13	0.09	< 10	< 10	71	< 10	72
BB31697	201 202	280	< 1	< 0.01	24	250	10	< 0.01	< 2	4	14	0.08	< 10	< 10	65	< 10	78
BB31698	201 202	290	1	< 0.01	25	160	10	< 0.01	< 2	5	16	0.08	< 10	< 10	63	< 10	64
BB31699	201 202	215	1	< 0.01	19	210	8	< 0.01	< 2	4	14	0.07	< 10	< 10	64	< 10	58
BB31700	201 202	170	2	< 0.01	22	300	10	< 0.01	< 2	3	14	0.07	< 10	< 10	72	< 10	64
BB31701	201 202	455	< 1	< 0.01	30	400	10	0.01	< 2	5	15	0.08	< 10	< 10	69	< 10	76
BB31702	201 202	135	2	< 0.01	19	320	8	< 0.01	< 2	3	10	0.07	< 10	< 10	71	< 10	54
BB31703	201 202	155	1	< 0.01	16	300	10	< 0.01	< 2	3	14	0.05	< 10	< 10	46	< 10	48
BB31704	201 202	140	1	< 0.01	14	170	10	< 0.01	< 2	4	11	0.06	< 10	< 10	49	< 10	46
BB31705	201 202	125	1	< 0.01	11	290	12	< 0.01	< 2	3	11	0.02	< 10	< 10	32	< 10	38
BB31706	201 202	380	1	< 0.01	26	910	10	0.01	< 2	3	13	0.05	< 10	< 10	59	< 10	80
BB31707	201 202	505	1	< 0.01	38	750	14	0.02	8	3	20	0.02	< 10	< 10	45	< 10	130
BB31708	201 202	195	1	< 0.01	15	480	8	0.01	2	3	10	0.06	< 10	< 10	77	< 10	50
BB31709	201 202	185	1	< 0.01	14	720	10	0.02	< 2	3	8	0.09	< 10	< 10	101	< 10	54
BB31710	201 202	310	3	< 0.01	19	610	12	0.01	2	5	26	0.05	< 10	< 10	67	< 10	86
BB31711	201 202	170	2	< 0.01	17	390	10	< 0.01	< 2	3	19	0.05	< 10	< 10	52	< 10	62
BB31712	201 202	190	2	< 0.01	17	320	10	< 0.01	< 2	4	16	0.06	< 10	< 10	54	< 10	66
BB31713	201 202	130	1	< 0.01	15	380	12	< 0.01	< 2	3	16	0.05	< 10	< 10	44	< 10	56
BB31714	201 202	210	1	< 0.01	19	320	12	< 0.01	2	4	19	0.06	< 10	< 10	51	< 10	56

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SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB31715	201	202	10	< 0.2	1.50	18	< 10	260	< 0.5	< 2	0.13	< 0.5	8	33	19	2.31	< 10	< 1	0.07	10	0.44
BB31716	201	202	10	< 0.2	1.64	14	< 10	310	< 0.5	< 2	0.17	< 0.5	7	33	17	2.36	< 10	< 1	0.06	10	0.44
BB31717	201	202	< 5	< 0.2	1.72	16	< 10	310	< 0.5	< 2	0.18	< 0.5	9	36	20	2.49	< 10	< 1	0.05	10	0.51
BB31718	201	202	5	< 0.2	1.61	12	< 10	300	< 0.5	< 2	0.20	< 0.5	7	37	21	2.49	< 10	< 1	0.04	10	0.50
BB31719	201	202	< 5	< 0.2	1.74	14	< 10	300	< 0.5	< 2	0.19	< 0.5	8	39	28	2.65	< 10	< 1	0.05	10	0.58
BB31720	201	202	< 5	< 0.2	1.81	10	< 10	280	< 0.5	< 2	0.16	0.5	8	38	22	2.76	< 10	< 1	0.12	10	0.56
BB31721	201	202	5	< 0.2	1.69	< 2	< 10	210	< 0.5	< 2	0.18	< 0.5	8	39	27	2.59	< 10	< 1	0.05	10	0.59
BB31722	201	202	10	< 0.2	1.23	8	< 10	210	< 0.5	< 2	0.08	< 0.5	11	29	28	2.44	< 10	< 1	0.07	20	0.37
BB31723	201	202	10	< 0.2	1.84	18	< 10	240	< 0.5	2	0.08	< 0.5	9	35	28	2.87	< 10	< 1	0.07	10	0.46
BB31724	201	202	< 5	< 0.2	2.11	18	< 10	170	< 0.5	2	0.05	< 0.5	10	42	25	3.67	< 10	< 1	0.18	20	0.37
BB31725	201	202	< 5	< 0.2	1.23	14	< 10	120	< 0.5	< 2	0.05	< 0.5	3	27	14	2.55	< 10	< 1	0.12	10	0.29
BB31726	201	202	10	< 0.2	1.25	14	< 10	250	< 0.5	< 2	0.14	< 0.5	9	29	23	2.25	< 10	< 1	0.06	20	0.40
BB31727	201	202	10	< 0.2	1.26	24	< 10	190	< 0.5	< 2	0.11	< 0.5	11	29	19	2.61	< 10	< 1	0.08	10	0.37
BB31728	201	202	10	< 0.2	1.38	20	< 10	230	< 0.5	< 2	0.16	< 0.5	8	32	24	2.51	< 10	< 1	0.06	10	0.45
BB31729	201	202	15	< 0.2	1.43	16	< 10	280	< 0.5	< 2	0.18	< 0.5	7	30	26	2.54	< 10	< 1	0.06	20	0.44
BB31730	201	202	10	< 0.2	1.39	22	< 10	350	< 0.5	< 2	0.18	< 0.5	10	30	25	2.58	< 10	< 1	0.07	10	0.39
BB31731	201	202	20	< 0.2	0.93	30	< 10	250	< 0.5	2	0.15	0.5	4	20	15	1.88	< 10	< 1	0.04	10	0.24
BB31732	201	202	10	< 0.2	2.24	18	< 10	260	< 0.5	< 2	0.12	0.5	11	36	16	2.86	< 10	< 1	0.05	< 10	0.49
BB31733	201	202	5	0.2	2.76	38	< 10	370	< 0.5	< 2	0.15	0.5	11	47	39	3.39	< 10	< 1	0.05	10	0.58
BB31734	201	202	< 5	< 0.2	0.89	16	< 10	250	< 0.5	< 2	0.08	< 0.5	3	17	9	1.32	< 10	< 1	0.03	10	0.20
BB31735	201	202	10	< 0.2	1.52	20	< 10	300	< 0.5	< 2	0.12	< 0.5	8	33	26	2.63	< 10	< 1	0.11	20	0.40
BB31736	201	202	10	0.6	1.92	16	< 10	410	< 0.5	< 2	0.14	< 0.5	8	34	33	2.83	< 10	< 1	0.11	20	0.40
BB31737	201	202	15	< 0.2	1.67	22	< 10	250	< 0.5	< 2	0.09	< 0.5	8	35	28	2.91	< 10	< 1	0.13	20	0.45
BB31738	201	202	20	< 0.2	1.51	50	< 10	260	< 0.5	< 2	0.09	0.5	10	38	30	3.19	< 10	< 1	0.29	30	0.43
BB31739	201	202	10	< 0.2	1.35	26	< 10	220	< 0.5	< 2	0.07	< 0.5	8	29	27	2.72	< 10	< 1	0.20	20	0.39
BB31740	201	202	< 5	0.2	1.87	30	< 10	260	< 0.5	< 2	0.08	< 0.5	7	35	19	3.20	< 10	< 1	0.09	10	0.39
BB31741	201	202	5	< 0.2	1.70	32	< 10	170	< 0.5	< 2	0.07	< 0.5	10	32	20	2.91	< 10	< 1	0.08	10	0.43
BB31742	201	202	10	0.8	2.79	26	< 10	200	< 0.5	< 2	0.08	< 0.5	11	44	30	2.93	< 10	< 1	0.06	10	0.53
BB31743	201	202	5	< 0.2	1.50	34	< 10	180	< 0.5	< 2	0.04	< 0.5	6	32	27	2.71	< 10	< 1	0.28	20	0.36
BB31744	201	202	< 5	< 0.2	1.88	22	< 10	260	< 0.5	< 2	0.12	< 0.5	8	38	30	2.73	< 10	< 1	0.05	20	0.55
BB31745	201	202	5	< 0.2	2.29	46	< 10	230	< 0.5	< 2	0.10	< 0.5	9	42	28	3.28	< 10	< 1	0.06	10	0.52
BB31746	201	202	10	< 0.2	1.64	26	< 10	330	< 0.5	< 2	0.12	< 0.5	7	31	21	2.58	< 10	< 1	0.08	10	0.38
BB31747	201	202	10	< 0.2	1.49	12	< 10	240	< 0.5	< 2	0.13	0.5	6	31	22	2.49	< 10	< 1	0.08	10	0.42
BB31748	201	202	15	< 0.2	1.26	44	< 10	220	< 0.5	< 2	0.08	0.5	8	29	30	3.63	< 10	< 1	0.16	20	0.32
BB31749	201	202	35	< 0.2	1.32	16	< 10	300	< 0.5	< 2	0.21	< 0.5	8	29	25	2.47	< 10	< 1	0.06	10	0.40
BB31750	201	202	10	< 0.2	1.26	22	< 10	260	< 0.5	< 2	0.17	< 0.5	12	30	20	2.49	< 10	< 1	0.07	20	0.38
BB31751	201	202	10	< 0.2	1.37	20	< 10	280	< 0.5	< 2	0.22	< 0.5	6	28	20	2.35	< 10	< 1	0.06	10	0.37
BB31752	201	202	10	< 0.2	1.50	10	< 10	250	< 0.5	< 2	0.17	< 0.5	7	30	25	2.42	< 10	< 1	0.06	10	0.41
BB31753	201	202	20	< 0.2	1.09	24	< 10	210	< 0.5	< 2	0.16	< 0.5	6	26	20	2.13	< 10	< 1	0.07	10	0.33
BB31754	201	202	30	< 0.2	0.78	16	< 10	200	< 0.5	< 2	0.12	< 0.5	4	20	15	1.51	< 10	< 1	0.05	10	0.20

CERTIFICATION: _____

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Project : EUREKA JV
Comments:

Page [redacted]er : 4-B
Total P[redacted] : 8
Certificate Date: 04-JUL-2000
Invoice No. : I0021615
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021615

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB31715	201	202	205	1	< 0.01	17	330	24	< 0.01	< 2	4	16	0.07	< 10	< 10	56	< 10	58
BB31716	201	202	210	1	< 0.01	17	360	24	< 0.01	< 2	4	19	0.06	< 10	< 10	59	< 10	58
BB31717	201	202	295	1	< 0.01	19	400	14	0.01	< 2	4	19	0.05	< 10	< 10	58	< 10	58
BB31718	201	202	270	2	< 0.01	18	270	6	< 0.01	< 2	4	20	0.06	< 10	< 10	59	< 10	56
BB31719	201	202	250	1	0.01	22	210	6	< 0.01	< 2	5	20	0.07	< 10	< 10	61	< 10	64
BB31720	201	202	275	2	< 0.01	24	360	6	< 0.01	4	4	18	0.07	< 10	< 10	64	< 10	80
BB31721	201	202	245	1	< 0.01	21	360	6	< 0.01	< 2	5	20	0.07	< 10	< 10	60	< 10	64
BB31722	201	202	240	1	< 0.01	17	390	6	< 0.01	< 2	3	13	0.06	< 10	< 10	62	< 10	50
BB31723	201	202	185	1	< 0.01	25	270	8	< 0.01	2	4	12	0.06	< 10	< 10	70	< 10	58
BB31724	201	202	300	2	< 0.01	23	920	6	0.01	< 2	4	10	0.09	< 10	< 10	84	< 10	66
BB31725	201	202	135	2	< 0.01	15	390	12	< 0.01	2	2	8	0.10	< 10	< 10	72	< 10	48
BB31726	201	202	230	< 1	< 0.01	19	400	8	< 0.01	< 2	4	15	0.06	< 10	< 10	45	< 10	80
BB31727	201	202	335	1	< 0.01	21	450	12	< 0.01	< 2	3	14	0.06	< 10	< 10	50	< 10	90
BB31728	201	202	255	1	< 0.01	19	430	8	< 0.01	< 2	4	16	0.06	< 10	< 10	49	< 10	86
BB31729	201	202	215	2	< 0.01	20	470	6	< 0.01	< 2	4	17	0.06	< 10	< 10	49	< 10	88
BB31730	201	202	295	3	< 0.01	19	550	12	0.01	< 2	3	20	0.05	< 10	< 10	52	< 10	86
BB31731	201	202	85	1	< 0.01	12	720	8	0.03	< 2	2	16	0.03	< 10	< 10	34	< 10	44
BB31732	201	202	370	2	< 0.01	22	350	8	< 0.01	< 2	3	15	0.04	< 10	< 10	69	< 10	62
BB31733	201	202	240	3	< 0.01	37	260	10	< 0.01	< 2	4	18	0.04	< 10	< 10	80	< 10	78
BB31734	201	202	95	1	< 0.01	8	160	8	< 0.01	< 2	1	18	0.03	< 10	< 10	41	< 10	24
BB31735	201	202	225	< 1	< 0.01	18	430	14	0.01	< 2	4	17	0.07	< 10	< 10	54	< 10	86
BB31736	201	202	170	1	< 0.01	21	570	12	0.03	< 2	4	18	0.06	< 10	< 10	53	< 10	88
BB31737	201	202	180	1	< 0.01	24	350	12	< 0.01	2	4	12	0.09	< 10	< 10	60	< 10	102
BB31738	201	202	180	1	< 0.01	29	610	18	0.01	< 2	4	14	0.10	< 10	< 10	68	< 10	126
BB31739	201	202	170	3	< 0.01	25	390	20	0.01	< 2	3	12	0.08	< 10	< 10	59	< 10	110
BB31740	201	202	215	1	< 0.01	18	340	22	0.01	< 2	3	13	0.06	< 10	< 10	72	< 10	76
BB31741	201	202	270	2	< 0.01	21	340	10	0.01	6	3	11	0.06	< 10	< 10	60	< 10	74
BB31742	201	202	260	2	< 0.01	28	360	8	0.01	< 2	4	12	0.06	< 10	< 10	61	< 10	76
BB31743	201	202	230	3	< 0.01	23	430	18	0.03	< 2	3	8	0.11	< 10	< 10	71	< 10	96
BB31744	201	202	240	2	< 0.01	20	160	10	< 0.01	< 2	6	17	0.07	< 10	< 10	62	< 10	60
BB31745	201	202	230	1	< 0.01	27	220	10	0.01	< 2	4	16	0.07	< 10	< 10	69	< 10	72
BB31746	201	202	150	1	< 0.01	19	370	16	0.01	4	3	16	0.06	< 10	< 10	61	< 10	84
BB31747	201	202	155	1	< 0.01	19	480	8	0.01	< 2	3	15	0.06	< 10	< 10	54	< 10	84
BB31748	201	202	240	2	< 0.01	30	720	14	0.01	< 2	4	14	0.07	< 10	< 10	55	< 10	150
BB31749	201	202	230	< 1	< 0.01	20	480	8	< 0.01	< 2	4	21	0.05	< 10	< 10	50	< 10	78
BB31750	201	202	355	3	< 0.01	19	530	12	0.01	6	3	19	0.06	< 10	< 10	53	< 10	82
BB31751	201	202	185	1	< 0.01	17	380	10	0.01	< 2	3	23	0.05	< 10	< 10	55	< 10	70
BB31752	201	202	200	1	< 0.01	17	410	6	< 0.01	< 2	4	18	0.06	< 10	< 10	51	< 10	70
BB31753	201	202	140	1	< 0.01	14	420	12	0.01	2	3	17	0.05	< 10	< 10	44	< 10	66
BB31754	201	202	120	1	< 0.01	13	460	8	0.01	< 2	2	15	0.02	< 10	< 10	31	< 10	42

CERTIFICATION: _____

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Project : EUREKA JV
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Page [redacted]er : 5-A
Total P[redacted] : 8
Certificate Date: 04-JUL-2000
Invoice No. : I0021615
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021615

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB31755	201	202	15	< 0.2	1.44	12	< 10	350	< 0.5	< 2	0.27	0.5	8	31	25	2.35	< 10	1	0.04	10	0.51
BB31756	201	202	20	< 0.2	1.63	6	< 10	280	< 0.5	< 2	0.18	< 0.5	8	37	26	2.48	< 10	< 1	0.04	20	0.53
BB31757	201	202	< 5	< 0.2	1.52	46	< 10	340	< 0.5	< 2	0.13	< 0.5	6	29	17	3.28	< 10	< 1	0.05	< 10	0.33
BB31760	201	202	20	0.6	1.59	2	< 10	140	< 0.5	< 2	0.12	< 0.5	6	30	13	2.60	< 10	< 1	0.23	30	0.48
BB31761	201	202	10	< 0.2	1.87	6	< 10	160	< 0.5	< 2	0.15	< 0.5	7	43	15	2.68	< 10	< 1	0.22	10	0.65
BB31762	201	202	15	< 0.2	1.97	< 2	< 10	140	< 0.5	< 2	0.17	< 0.5	8	36	17	3.06	< 10	< 1	0.33	10	0.68
BB31763	201	202	10	< 0.2	2.03	12	< 10	140	< 0.5	< 2	0.15	< 0.5	8	40	14	3.05	< 10	< 1	0.61	20	0.80
BB31764	201	202	10	< 0.2	2.22	14	< 10	130	0.5	< 2	0.31	< 0.5	11	42	17	3.63	< 10	< 1	0.91	20	0.88
BB31765	201	202	10	< 0.2	1.59	8	< 10	250	< 0.5	< 2	0.15	< 0.5	8	36	28	2.89	< 10	< 1	0.18	20	0.55
BB31766	201	202	10	0.2	1.41	16	< 10	260	< 0.5	< 2	0.09	0.5	11	37	19	3.00	< 10	< 1	0.27	40	0.40
BB31767	201	202	< 5	< 0.2	1.61	2	< 10	170	< 0.5	< 2	0.08	< 0.5	7	26	10	2.50	< 10	< 1	0.09	10	0.44
BB31768	201	202	10	< 0.2	2.43	16	< 10	180	< 0.5	< 2	0.08	< 0.5	8	42	21	2.92	< 10	< 1	0.12	10	0.63
BB31769	201	202	< 5	0.2	2.55	22	< 10	130	0.5	< 2	0.11	< 0.5	7	42	19	2.96	< 10	< 1	0.09	< 10	0.54
BB31770	201	202	< 5	< 0.2	3.14	4	< 10	170	< 0.5	< 2	0.08	0.5	8	53	22	3.99	10	< 1	0.32	10	0.85
BB31771	201	202	10	< 0.2	1.93	6	< 10	140	< 0.5	< 2	0.11	0.5	6	37	14	2.79	< 10	< 1	0.13	10	0.56
BB31772	201	202	10	< 0.2	2.07	8	< 10	170	< 0.5	< 2	0.10	< 0.5	11	39	19	2.88	< 10	< 1	0.08	10	0.59
BB31773	201	202	< 5	< 0.2	2.16	10	< 10	180	< 0.5	< 2	0.09	< 0.5	8	40	18	3.08	< 10	< 1	0.05	10	0.49
BB31774	201	202	5	< 0.2	2.28	6	< 10	190	< 0.5	< 2	0.11	< 0.5	10	46	25	3.28	< 10	< 1	0.38	30	0.74
BB31775	201	202	5	< 0.2	2.34	10	< 10	160	< 0.5	< 2	0.09	0.5	8	47	17	3.17	< 10	< 1	0.36	20	0.70
BB31776	201	202	15	< 0.2	2.30	8	< 10	170	< 0.5	< 2	0.14	< 0.5	9	40	17	3.11	< 10	< 1	0.11	10	0.61
BB31777	201	202	< 5	< 0.2	1.82	10	< 10	160	< 0.5	< 2	0.17	< 0.5	8	31	17	2.81	< 10	< 1	0.06	10	0.50
BB31778	201	202	5	< 0.2	2.62	10	< 10	200	< 0.5	2	0.08	< 0.5	9	41	15	3.95	< 10	< 1	0.37	10	0.65
BB31779	201	202	5	< 0.2	3.44	20	< 10	140	0.5	< 2	0.09	< 0.5	13	46	27	5.12	< 10	< 1	0.57	10	0.82
BB31780	201	202	15	0.2	3.33	6	< 10	130	1.0	< 2	0.04	< 0.5	13	41	31	4.78	< 10	< 1	0.58	10	0.76
BB31781	201	202	10	< 0.2	2.85	4	< 10	130	1.0	< 2	0.18	< 0.5	11	41	24	4.15	< 10	< 1	0.67	40	0.90
BB31782	201	202	5	< 0.2	0.98	34	< 10	100	< 0.5	2	0.02	< 0.5	11	24	36	4.04	< 10	< 1	0.05	10	0.08
BB31783	201	202	10	< 0.2	2.34	10	< 10	220	< 0.5	< 2	0.06	< 0.5	9	44	23	3.68	< 10	< 1	0.11	10	0.54
BB31784	201	202	5	< 0.2	2.20	6	< 10	130	1.0	2	0.08	< 0.5	10	54	37	4.09	< 10	< 1	0.47	60	0.58
BB31785	201	202	< 5	< 0.2	2.57	10	< 10	230	0.5	< 2	0.09	< 0.5	10	43	22	3.67	< 10	< 1	0.14	10	0.59
BB31786	201	202	< 5	< 0.2	2.19	8	< 10	230	< 0.5	< 2	0.11	< 0.5	9	38	12	3.62	< 10	< 1	0.07	10	0.51
BB31787	201	202	5	< 0.2	2.41	6	< 10	190	< 0.5	< 2	0.15	< 0.5	9	47	17	3.16	< 10	< 1	0.22	10	0.69
BB31788	201	202	10	< 0.2	2.70	10	< 10	190	0.5	2	0.20	< 0.5	13	46	19	3.44	< 10	< 1	0.27	20	0.73
BB31789	201	202	< 5	< 0.2	3.21	6	< 10	280	0.5	2	0.32	< 0.5	11	59	20	4.13	10	< 1	0.82	60	0.89
BB31790	201	202	5	< 0.2	3.13	6	< 10	210	0.5	2	0.13	< 0.5	10	60	18	4.10	10	< 1	0.84	40	0.96
BB31791	201	202	< 5	< 0.2	2.42	12	< 10	170	< 0.5	< 2	0.10	< 0.5	8	39	14	3.67	< 10	< 1	0.21	10	0.50
BB31792	201	202	< 5	< 0.2	3.17	6	< 10	170	0.5	2	0.09	< 0.5	12	51	21	4.56	< 10	< 1	0.77	10	0.92
BB31796	201	202	< 5	< 0.2	2.19	6	< 10	90	< 0.5	< 2	0.10	< 0.5	7	33	12	3.37	< 10	< 1	0.24	10	0.55
BB31797	201	202	< 5	< 0.2	2.97	10	< 10	260	0.5	2	0.11	< 0.5	13	46	17	3.48	< 10	< 1	0.07	10	0.54
BB31798	201	202	< 5	< 0.2	3.42	10	< 10	330	0.5	2	0.11	< 0.5	14	48	23	4.36	< 10	< 1	0.58	10	0.91
BB31799	201	202	< 5	< 0.2	0.80	10	< 10	360	< 0.5	< 2	0.06	< 0.5	3	16	9	1.70	< 10	< 1	0.08	20	0.15

CERTIFICATION: _____ +

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EUREKA JOINT VENTURE
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
Comments:

Page Number :5-B
Total Pages :8
Certificate Date: 04-JUL-2000
Invoice No. :I0021615
P.O. Number :
Account :RDF

CERTIFICATE OF ANALYSIS A0021615

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB31755	201	202	240	2	0.01	20	430	8	< 0.01	< 2	5	24	0.06	< 10	< 10	52	< 10	54
BB31756	201	202	205	< 1	< 0.01	21	260	8	< 0.01	< 2	7	20	0.06	< 10	< 10	57	< 10	52
BB31757	201	202	255	3	< 0.01	15	530	12	0.01	< 2	2	16	0.05	< 10	< 10	88	< 10	54
BB31760	201	202	175	< 1	< 0.01	15	190	14	< 0.01	< 2	3	13	0.09	< 10	< 10	51	< 10	38
BB31761	201	202	265	2	< 0.01	18	220	6	< 0.01	4	4	14	0.12	< 10	< 10	52	< 10	46
BB31762	201	202	280	< 1	< 0.01	19	270	10	< 0.01	2	4	15	0.12	< 10	< 10	50	< 10	58
BB31763	201	202	300	< 1	< 0.01	22	230	6	< 0.01	< 2	4	12	0.19	< 10	< 10	47	< 10	52
BB31764	201	202	410	< 1	< 0.01	20	480	8	0.01	< 2	5	12	0.16	< 10	< 10	41	< 10	82
BB31765	201	202	235	1	< 0.01	26	310	8	< 0.01	< 2	4	14	0.08	< 10	< 10	53	< 10	74
BB31766	201	202	615	3	< 0.01	23	610	30	0.01	2	4	11	0.08	< 10	< 10	52	< 10	186
BB31767	201	202	295	< 1	< 0.01	14	220	12	< 0.01	< 2	3	11	0.06	< 10	< 10	54	< 10	42
BB31768	201	202	275	1	< 0.01	22	150	6	< 0.01	< 2	4	13	0.08	< 10	< 10	60	< 10	56
BB31769	201	202	265	< 1	< 0.01	24	220	22	< 0.01	< 2	4	12	0.05	< 10	< 10	55	< 10	52
BB31770	201	202	315	1	< 0.01	25	150	16	< 0.01	< 2	5	12	0.14	< 10	< 10	64	< 10	76
BB31771	201	202	250	1	< 0.01	17	260	8	< 0.01	2	3	12	0.08	< 10	< 10	57	< 10	52
BB31772	201	202	295	< 1	< 0.01	22	200	6	< 0.01	2	4	13	0.08	< 10	< 10	61	< 10	56
BB31773	201	202	265	2	< 0.01	15	230	8	< 0.01	< 2	5	13	0.07	< 10	< 10	69	< 10	48
BB31774	201	202	315	< 1	< 0.01	25	140	2	< 0.01	2	6	15	0.15	< 10	< 10	51	< 10	64
BB31775	201	202	260	1	< 0.01	21	210	6	< 0.01	2	4	11	0.17	< 10	< 10	57	< 10	58
BB31776	201	202	265	< 1	< 0.01	20	170	10	< 0.01	< 2	3	15	0.10	< 10	< 10	53	< 10	56
BB31777	201	202	280	< 1	< 0.01	20	560	10	< 0.01	< 2	4	15	0.06	< 10	< 10	49	< 10	48
BB31778	201	202	320	1	< 0.01	22	320	8	< 0.01	< 2	3	10	0.14	< 10	< 10	68	< 10	62
BB31779	201	202	375	< 1	< 0.01	28	200	16	< 0.01	2	5	12	0.16	< 10	< 10	56	< 10	90
BB31780	201	202	295	< 1	< 0.01	28	170	16	< 0.01	< 2	4	7	0.15	< 10	< 10	46	< 10	84
BB31781	201	202	370	< 1	< 0.01	22	350	8	< 0.01	2	4	14	0.14	< 10	< 10	44	< 10	70
BB31782	201	202	355	3	< 0.01	38	610	16	0.04	< 2	2	8	0.04	< 10	< 10	86	< 10	128
BB31783	201	202	310	2	< 0.01	22	320	12	0.03	< 2	4	11	0.09	< 10	< 10	67	< 10	64
BB31784	201	202	215	< 1	< 0.01	27	270	8	< 0.01	< 2	7	12	0.10	< 10	< 10	37	< 10	72
BB31785	201	202	305	< 1	< 0.01	25	210	10	0.01	< 2	4	12	0.09	< 10	< 10	65	< 10	68
BB31786	201	202	355	1	< 0.01	19	230	12	< 0.01	< 2	3	13	0.07	< 10	< 10	61	< 10	54
BB31787	201	202	315	1	0.01	22	340	10	0.01	< 2	5	15	0.13	< 10	< 10	58	< 10	62
BB31788	201	202	515	1	0.01	23	470	10	< 0.01	< 2	5	19	0.11	< 10	< 10	54	< 10	54
BB31789	201	202	470	< 1	0.01	27	600	10	< 0.01	< 2	7	28	0.21	< 10	< 10	59	< 10	80
BB31790	201	202	395	< 1	< 0.01	25	350	10	< 0.01	< 2	7	13	0.26	< 10	< 10	61	< 10	78
BB31791	201	202	265	1	< 0.01	18	280	8	< 0.01	< 2	4	12	0.12	< 10	< 10	65	< 10	52
BB31792	201	202	435	< 1	< 0.01	27	250	12	< 0.01	< 2	6	15	0.24	< 10	< 10	60	< 10	78
BB31796	201	202	240	< 1	< 0.01	15	200	10	< 0.01	< 2	4	11	0.09	< 10	< 10	50	< 10	50
BB31797	201	202	395	< 1	0.01	24	270	10	0.01	< 2	6	14	0.10	< 10	< 10	68	< 10	58
BB31798	201	202	380	< 1	< 0.01	30	210	12	< 0.01	2	5	13	0.17	< 10	< 10	53	< 10	78
BB31799	201	202	75	1	< 0.01	9	400	18	0.02	2	2	9	0.03	< 10	< 10	24	< 10	44

CERTIFICATION: _____ +

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WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
Comments:

Page [redacted]er : 6-A
Total [redacted] : 8
Certificate Date: 04-JUL-2000
Invoice No. : I0021615
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021615

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB31800	201	202	5	< 0.2	1.92	10	< 10	220	0.5	< 2	0.12	< 0.5	9	36	31	3.47	< 10	< 1	0.29	30	0.56
BB31801	201	202	< 5	< 0.2	1.95	10	< 10	180	< 0.5	< 2	0.07	< 0.5	7	35	21	3.25	< 10	< 1	0.13	20	0.43
BB31802	201	202	5	< 0.2	1.77	12	< 10	210	< 0.5	< 2	0.08	< 0.5	7	36	26	3.05	< 10	< 1	0.14	10	0.44
BB31803	201	202	10	< 0.2	1.68	8	< 10	310	< 0.5	< 2	0.09	< 0.5	6	33	30	2.91	< 10	< 1	0.20	20	0.41
BB31804	201	202	10	0.2	2.45	8	< 10	190	0.5	2	0.23	< 0.5	10	42	18	3.53	< 10	< 1	0.38	40	0.75
BB31805	201	202	10	< 0.2	2.12	6	< 10	150	< 0.5	2	0.17	< 0.5	8	35	13	2.99	< 10	< 1	0.22	30	0.60
BB31806	201	202	10	< 0.2	2.55	6	< 10	220	0.5	< 2	0.26	< 0.5	11	42	19	3.81	< 10	< 1	0.58	50	0.81
BB31807	201	202	10	< 0.2	1.66	24	< 10	220	< 0.5	< 2	0.11	< 0.5	7	31	18	2.54	< 10	< 1	0.07	10	0.37
BB31808	201	202	10	0.2	1.90	22	< 10	280	< 0.5	< 2	0.16	< 0.5	8	32	25	2.75	< 10	< 1	0.06	10	0.39
BB31809	201	202	5	0.2	1.98	16	< 10	260	< 0.5	< 2	0.14	< 0.5	9	34	22	2.90	< 10	< 1	0.06	10	0.43
BB31810	201	202	< 5	< 0.2	1.97	16	< 10	250	< 0.5	< 2	0.13	< 0.5	8	33	18	3.02	< 10	< 1	0.05	10	0.39
BB31811	201	202	< 5	< 0.2	1.77	16	< 10	290	< 0.5	< 2	0.18	< 0.5	9	33	20	2.88	< 10	< 1	0.06	10	0.41
BB31812	201	202	165	< 0.2	1.47	30	< 10	230	< 0.5	< 2	0.12	< 0.5	12	30	23	2.77	< 10	< 1	0.08	20	0.35
BB31813	201	202	315	< 0.2	1.39	16	< 10	290	< 0.5	< 2	0.24	< 0.5	7	27	17	2.25	< 10	< 1	0.05	10	0.37
BB31814	201	202	< 5	0.2	1.20	8	< 10	180	< 0.5	< 2	0.24	< 0.5	8	28	20	2.35	< 10	< 1	0.09	10	0.41
BB31815	201	202	25	< 0.2	0.41	24	< 10	240	< 0.5	< 2	0.03	< 0.5	1	16	14	1.08	< 10	< 1	0.07	20	0.09
BB31816	201	202	5	3.4	1.20	72	< 10	180	< 0.5	< 2	0.03	< 0.5	16	23	39	3.46	< 10	< 1	0.04	10	0.15
BB31817	201	202	5	< 0.2	1.35	14	< 10	230	< 0.5	< 2	0.03	< 0.5	5	24	20	2.37	< 10	< 1	0.38	20	0.41
BB31818	201	202	< 5	< 0.2	1.10	12	< 10	210	< 0.5	< 2	0.05	< 0.5	3	22	14	1.85	< 10	< 1	0.05	10	0.25
BB31819	201	202	< 5	0.4	2.58	24	< 10	510	< 0.5	2	0.09	< 0.5	13	44	32	3.33	< 10	< 1	0.06	10	0.51
BB31820	201	202	< 5	< 0.2	1.64	14	< 10	290	< 0.5	< 2	0.19	< 0.5	7	35	19	2.47	< 10	< 1	0.05	10	0.44
BB31821	201	202	< 5	< 0.2	1.56	14	< 10	240	< 0.5	< 2	0.15	< 0.5	6	33	15	2.48	< 10	< 1	0.07	10	0.41
BB31822	201	202	20	0.2	1.30	22	< 10	210	< 0.5	2	0.16	< 0.5	6	30	20	2.47	< 10	< 1	0.09	10	0.37
BB31823	201	202	< 5	< 0.2	1.78	14	< 10	220	< 0.5	< 2	0.17	< 0.5	6	32	18	2.60	< 10	< 1	0.05	10	0.45
BB31824	201	202	5	< 0.2	1.53	14	< 10	200	< 0.5	< 2	0.13	< 0.5	7	30	17	2.49	< 10	< 1	0.06	10	0.41
BB31825	201	202	10	< 0.2	1.26	24	< 10	190	< 0.5	2	0.21	< 0.5	10	27	24	2.48	< 10	< 1	0.06	20	0.44
BB31826	201	202	< 5	< 0.2	1.26	12	< 10	160	< 0.5	< 2	0.07	< 0.5	4	22	14	2.48	< 10	< 1	0.05	10	0.19
BB31827	201	202	< 5	< 0.2	1.75	16	< 10	240	< 0.5	< 2	0.19	< 0.5	6	31	22	2.64	< 10	< 1	0.05	10	0.42
BB31828	201	202	< 5	< 0.2	1.37	18	< 10	240	< 0.5	2	0.12	< 0.5	9	30	24	2.27	< 10	< 1	0.06	30	0.37
BB31829	201	202	< 5	< 0.2	1.34	32	< 10	140	< 0.5	< 2	0.06	< 0.5	6	22	12	2.81	< 10	< 1	0.06	10	0.17
BB31830	201	202	60	< 0.2	1.38	62	< 10	150	< 0.5	< 2	0.07	< 0.5	11	29	29	3.23	< 10	< 1	0.15	20	0.34
BB31831	201	202	25	< 0.2	1.61	34	< 10	160	< 0.5	< 2	0.08	< 0.5	6	29	18	2.51	< 10	< 1	0.05	10	0.36
BB31832	201	202	5	< 0.2	1.75	20	< 10	290	< 0.5	< 2	0.10	< 0.5	7	31	10	3.31	< 10	< 1	0.05	10	0.36
BB31833	201	202	10	< 0.2	1.71	16	< 10	530	< 0.5	< 2	0.21	< 0.5	9	32	23	3.03	< 10	< 1	0.17	10	0.58
BB31834	201	202	15	< 0.2	1.95	24	< 10	300	< 0.5	2	0.14	< 0.5	7	31	21	3.23	< 10	< 1	0.15	10	0.64
BB31835	201	202	10	< 0.2	2.00	18	< 10	310	< 0.5	2	0.20	< 0.5	8	31	14	3.15	< 10	< 1	0.08	10	0.57
BB31836	201	202	10	0.6	2.02	14	< 10	350	< 0.5	< 2	0.13	< 0.5	15	36	33	3.10	< 10	< 1	0.04	30	0.34
BB31837	201	202	10	0.4	1.61	24	< 10	280	< 0.5	< 2	0.11	< 0.5	6	21	15	3.36	< 10	< 1	0.23	10	0.52
BB31838	201	202	35	< 0.2	1.58	18	< 10	330	< 0.5	< 2	0.06	< 0.5	6	23	22	3.23	< 10	< 1	0.39	30	0.57
BB31839	201	202	5	< 0.2	1.21	46	< 10	390	< 0.5	< 2	0.04	< 0.5	8	27	25	3.25	< 10	< 1	0.11	20	0.26

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CERTIFICATE OF ANALYSIS A0021615

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB31800	201	202	255	1	< 0.01	25	570	8	0.01	< 2	4	14	0.11	< 10	< 10	56	< 10	100
BB31801	201	202	260	< 1	< 0.01	21	470	12	< 0.01	< 2	3	11	0.08	< 10	< 10	66	< 10	82
BB31802	201	202	260	< 1	< 0.01	19	430	10	0.01	2	3	13	0.08	< 10	< 10	69	< 10	72
BB31803	201	202	190	< 1	< 0.01	19	430	12	0.01	2	3	15	0.08	< 10	< 10	66	< 10	74
BB31804	201	202	345	< 1	0.01	23	400	14	0.03	< 2	5	20	0.14	< 10	< 10	50	< 10	82
BB31805	201	202	225	< 1	< 0.01	17	430	12	0.01	< 2	4	14	0.11	< 10	< 10	47	< 10	62
BB31806	201	202	415	1	0.01	21	630	6	0.01	< 2	5	20	0.16	< 10	< 10	47	< 10	78
BB31807	201	202	160	< 1	< 0.01	15	280	8	< 0.01	< 2	3	15	0.07	< 10	< 10	55	< 10	58
BB31808	201	202	265	< 1	< 0.01	17	350	10	0.01	< 2	4	19	0.07	< 10	< 10	58	< 10	58
BB31809	201	202	245	1	< 0.01	18	310	10	< 0.01	< 2	4	16	0.08	< 10	< 10	62	< 10	68
BB31810	201	202	215	< 1	< 0.01	16	300	16	< 0.01	< 2	4	16	0.07	< 10	< 10	67	< 10	58
BB31811	201	202	250	1	< 0.01	17	410	14	< 0.01	< 2	3	20	0.07	< 10	< 10	61	< 10	66
BB31812	201	202	390	< 1	< 0.01	19	530	18	0.01	< 2	3	17	0.07	< 10	< 10	57	< 10	66
BB31813	201	202	210	1	< 0.01	15	370	14	0.01	< 2	3	22	0.06	< 10	< 10	47	< 10	54
BB31814	201	202	305	1	0.01	19	670	6	0.03	< 2	2	21	0.06	< 10	< 10	52	< 10	62
BB31815	201	202	45	< 1	< 0.01	6	310	18	< 0.01	< 2	2	14	0.01	< 10	< 10	21	< 10	36
BB31816	201	202	300	3	< 0.01	16	1010	18	0.01	< 2	3	10	0.04	< 10	< 10	75	< 10	50
BB31817	201	202	215	< 1	< 0.01	15	230	10	< 0.01	< 2	5	8	0.12	< 10	< 10	43	< 10	82
BB31818	201	202	80	1	< 0.01	9	280	8	< 0.01	< 2	3	12	0.03	< 10	< 10	38	< 10	38
BB31819	201	202	240	< 1	< 0.01	33	440	60	0.01	< 2	3	12	0.07	< 10	< 10	66	< 10	66
BB31820	201	202	225	< 1	< 0.01	18	260	10	< 0.01	< 2	4	20	0.07	< 10	< 10	55	< 10	54
BB31821	201	202	165	< 1	< 0.01	17	290	8	< 0.01	< 2	3	18	0.07	< 10	< 10	52	< 10	56
BB31822	201	202	175	1	< 0.01	18	400	10	< 0.01	< 2	3	18	0.07	< 10	< 10	50	< 10	70
BB31823	201	202	145	1	< 0.01	17	370	10	< 0.01	< 2	3	17	0.06	< 10	< 10	51	< 10	60
BB31824	201	202	175	2	< 0.01	17	380	10	0.01	< 2	3	16	0.06	< 10	< 10	51	< 10	66
BB31825	201	202	405	1	< 0.01	20	720	10	< 0.01	< 2	3	22	0.06	< 10	< 10	50	< 10	72
BB31826	201	202	220	1	< 0.01	9	440	14	0.01	< 2	1	10	0.06	< 10	< 10	68	< 10	54
BB31827	201	202	215	1	0.01	16	410	18	< 0.01	< 2	4	24	0.06	< 10	< 10	53	< 10	52
BB31828	201	202	240	1	< 0.01	16	290	22	< 0.01	< 2	3	16	0.05	< 10	< 10	49	< 10	62
BB31829	201	202	375	< 1	< 0.01	12	1060	14	< 0.01	< 2	2	9	0.05	< 10	< 10	69	< 10	66
BB31830	201	202	220	1	< 0.01	25	510	14	0.01	< 2	3	14	0.07	< 10	< 10	48	< 10	108
BB31831	201	202	155	1	< 0.01	16	230	12	< 0.01	< 2	3	12	0.05	< 10	< 10	53	< 10	54
BB31832	201	202	240	< 1	< 0.01	13	460	8	< 0.01	< 2	3	14	0.04	< 10	< 10	64	< 10	50
BB31833	201	202	295	1	< 0.01	22	360	8	< 0.01	< 2	4	20	0.08	< 10	< 10	51	< 10	72
BB31834	201	202	255	1	< 0.01	19	230	6	< 0.01	< 2	5	15	0.09	< 10	< 10	50	< 10	68
BB31835	201	202	265	< 1	< 0.01	18	220	10	< 0.01	< 2	4	19	0.07	< 10	< 10	53	< 10	56
BB31836	201	202	1770	< 1	< 0.01	23	310	8	< 0.01	< 2	6	16	0.04	< 10	< 10	65	< 10	72
BB31837	201	202	510	1	< 0.01	14	440	6	< 0.01	< 2	4	13	0.06	< 10	< 10	42	< 10	54
BB31838	201	202	310	1	< 0.01	17	430	12	< 0.01	< 2	5	16	0.09	< 10	< 10	45	< 10	78
BB31839	201	202	370	2	< 0.01	19	1080	16	0.02	< 2	2	15	0.03	< 10	< 10	55	< 10	70

CERTIFICATION: [signature] +

ALS Chemex

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[redacted]: EUREKA JOINT VENTURE
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
Comments:

Certificate Date: 04-JUL-2000
Invoice No. : I0021615
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021615

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB31840	201	202	< 5	0.2	1.68	38	< 10	470	< 0.5	< 2	0.08	< 0.5	9	31	24	2.91	< 10	< 1	0.05	10	0.36
BB31841	201	202	10	< 0.2	1.52	20	< 10	230	< 0.5	< 2	0.09	< 0.5	8	28	24	2.50	< 10	< 1	0.05	10	0.37
BB31842	201	202	< 5	0.2	1.29	44	< 10	370	< 0.5	< 2	0.05	< 0.5	5	28	14	3.08	< 10	< 1	0.04	10	0.21
BB31843	201	202	5	0.2	3.14	22	< 10	350	< 0.5	< 2	0.09	< 0.5	14	40	28	3.10	< 10	< 1	0.05	< 10	0.54
BB31844	201	202	< 5	< 0.2	1.25	62	< 10	480	< 0.5	< 2	0.08	< 0.5	6	23	19	2.98	< 10	< 1	0.03	10	0.19
BB31845	201	202	20	< 0.2	1.28	30	< 10	260	< 0.5	< 2	0.08	< 0.5	5	27	13	2.08	< 10	< 1	0.05	10	0.24
BB31846	201	202	10	0.4	1.28	30	< 10	200	< 0.5	< 2	0.05	< 0.5	4	22	13	1.92	< 10	< 1	0.04	10	0.17
BB31847	201	202	20	< 0.2	1.06	62	< 10	410	< 0.5	< 2	0.05	< 0.5	7	38	23	2.29	< 10	< 1	0.04	10	0.22
BB31848	201	202	10	< 0.2	1.34	68	< 10	470	< 0.5	< 2	0.06	< 0.5	8	32	22	2.51	< 10	< 1	0.05	10	0.28
BB31849	201	202	< 5	0.2	1.95	40	< 10	1670	< 0.5	< 2	0.16	< 0.5	7	32	15	3.10	< 10	< 1	0.06	10	0.43
BB31850	201	202	< 5	0.2	1.88	44	< 10	940	< 0.5	< 2	0.11	< 0.5	7	31	13	3.03	< 10	< 1	0.06	10	0.32
BB31851	201	202	40	0.2	1.36	120	< 10	1170	< 0.5	< 2	0.09	< 0.5	5	31	23	2.74	< 10	< 1	0.05	10	0.30
BB31852	201	202	10	0.2	1.69	94	< 10	1270	< 0.5	< 2	0.12	< 0.5	10	35	25	2.91	< 10	< 1	0.07	10	0.41
BB31853	201	202	< 5	0.8	2.37	74	< 10	720	0.5	< 2	0.10	< 0.5	9	42	25	3.45	< 10	< 1	0.06	10	0.44
BB31854	201	202	< 5	1.6	2.76	74	< 10	630	0.5	< 2	0.10	< 0.5	9	46	26	3.93	< 10	< 1	0.07	10	0.50
BB31855	201	202	10	0.2	1.23	96	< 10	610	< 0.5	< 2	0.11	< 0.5	7	34	22	2.49	< 10	< 1	0.04	10	0.30
BB31856	201	202	25	< 0.2	1.28	50	< 10	600	< 0.5	< 2	0.13	< 0.5	7	30	22	2.37	< 10	< 1	0.04	10	0.38
BB31857	201	202	5	< 0.2	2.47	< 2	< 10	330	0.5	2	0.22	< 0.5	10	41	21	3.08	< 10	< 1	0.39	40	0.71
BB31858	201	202	< 5	< 0.2	2.58	6	< 10	200	0.5	< 2	0.17	< 0.5	13	44	29	4.30	< 10	< 1	0.98	50	0.87
BB31859	201	202	10	< 0.2	2.48	18	< 10	230	0.5	< 2	0.18	< 0.5	9	40	22	3.45	< 10	< 1	0.42	30	0.61
BB31860	201	202	5	< 0.2	2.49	10	< 10	120	0.5	< 2	0.12	< 0.5	11	40	17	3.76	< 10	< 1	0.38	10	0.70
BB31861	201	202	5	0.2	2.59	6	< 10	170	0.5	2	0.16	< 0.5	10	41	25	3.81	< 10	< 1	0.47	50	0.64
BB31862	201	202	< 5	< 0.2	2.08	8	< 10	80	0.5	2	0.08	< 0.5	8	38	14	3.66	< 10	< 1	0.51	30	0.60
BB31863	201	202	10	< 0.2	1.91	10	< 10	190	< 0.5	< 2	0.10	< 0.5	8	38	16	3.36	< 10	< 1	0.11	10	0.45
BB31864	201	202	< 5	< 0.2	1.86	6	< 10	140	< 0.5	< 2	0.08	< 0.5	6	35	18	3.07	< 10	< 1	0.29	30	0.53
BB31865	201	202	5	< 0.2	2.08	6	< 10	180	< 0.5	2	0.10	< 0.5	6	40	14	3.04	< 10	< 1	0.20	20	0.54
BB31866	201	202	< 5	< 0.2	1.35	8	< 10	290	< 0.5	2	0.09	< 0.5	4	28	18	2.37	< 10	< 1	0.14	30	0.35
BB31867	201	202	15	< 0.2	2.21	8	< 10	300	< 0.5	< 2	0.10	< 0.5	8	34	12	2.97	< 10	< 1	0.10	10	0.50
BB31868	201	202	10	< 0.2	1.70	24	< 10	200	0.5	2	0.03	< 0.5	2	10	16	3.63	< 10	< 1	0.32	20	0.34
BB31869	201	202	< 5	< 0.2	2.16	14	< 10	120	0.5	< 2	0.15	< 0.5	9	38	18	3.30	< 10	< 1	0.30	20	0.66
BB31870	201	202	< 5	< 0.2	1.73	6	< 10	120	< 0.5	< 2	0.11	< 0.5	6	35	12	2.62	< 10	< 1	0.22	10	0.45
BB31871	201	202	< 5	< 0.2	2.21	6	< 10	140	< 0.5	< 2	0.16	< 0.5	7	45	16	2.95	< 10	< 1	0.34	10	0.61
BB31872	201	202	< 5	< 0.2	2.08	4	< 10	140	< 0.5	2	0.18	< 0.5	7	36	14	3.13	< 10	< 1	0.23	30	0.57
BB31873	201	202	< 5	< 0.2	2.17	6	< 10	170	< 0.5	< 2	0.17	< 0.5	9	35	13	3.27	< 10	< 1	0.33	20	0.59
BB31874	201	202	< 5	< 0.2	2.41	6	< 10	180	< 0.5	2	0.15	< 0.5	11	41	14	3.63	< 10	< 1	0.46	30	0.69
BB31875	201	202	< 5	< 0.2	2.04	6	< 10	190	< 0.5	2	0.14	< 0.5	7	33	18	2.83	< 10	< 1	0.22	30	0.48
BB31876	201	202	< 5	< 0.2	2.30	10	< 10	220	< 0.5	< 2	0.15	< 0.5	9	34	18	3.33	< 10	< 1	0.38	30	0.62
BB31877	201	202	10	< 0.2	2.43	12	< 10	160	0.5	2	0.16	< 0.5	11	38	19	3.73	< 10	< 1	0.39	30	0.68
BB31878	201	202	20	< 0.2	2.60	70	< 10	300	1.0	2	0.23	< 0.5	16	41	34	4.73	< 10	< 1	0.92	50	0.85
BB31879	201	202	< 5	< 0.2	1.47	14	< 10	250	< 0.5	< 2	0.30	< 0.5	8	30	20	2.86	< 10	< 1	0.11	10	0.44

CERTIFICATION: [signature]

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
Comments:

Certificate Date: 04-JUL-2000
Invoice No. :I0021615
P.O. Number :
Account :RDF

CERTIFICATE OF ANALYSIS A0021615

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB31840	201	202	230	< 1	< 0.01	19	400	14	0.01	< 2	3	16	0.04	< 10	< 10	59	< 10	52
BB31841	201	202	220	< 1	< 0.01	17	220	8	< 0.01	< 2	3	13	0.04	< 10	< 10	47	< 10	52
BB31842	201	202	135	1	< 0.01	11	1300	18	0.01	< 2	2	11	0.04	< 10	< 10	60	< 10	50
BB31843	201	202	205	< 1	< 0.01	31	260	12	0.01	< 2	4	12	0.07	< 10	< 10	58	< 10	56
BB31844	201	202	145	1	< 0.01	13	500	10	0.01	< 2	2	17	0.03	< 10	< 10	62	< 10	40
BB31845	201	202	155	1	< 0.01	9	470	16	< 0.01	< 2	3	14	0.02	< 10	< 10	48	< 10	38
BB31846	201	202	100	2	< 0.01	7	280	16	< 0.01	< 2	2	13	0.02	< 10	< 10	49	< 10	28
BB31847	201	202	175	2	< 0.01	15	460	52	< 0.01	< 2	5	17	0.03	< 10	< 10	53	< 10	42
BB31848	201	202	215	1	< 0.01	15	490	42	< 0.01	< 2	4	22	0.03	< 10	< 10	51	< 10	48
BB31849	201	202	185	1	< 0.01	17	430	176	0.01	< 2	3	20	0.05	< 10	< 10	69	< 10	62
BB31850	201	202	215	1	< 0.01	14	900	144	0.01	< 2	3	15	0.05	< 10	< 10	77	< 10	60
BB31851	201	202	125	2	< 0.01	16	660	242	0.02	2	3	21	0.05	< 10	< 10	59	< 10	58
BB31852	201	202	290	1	< 0.01	23	790	218	0.02	< 2	4	22	0.06	< 10	< 10	57	< 10	66
BB31853	201	202	200	1	< 0.01	21	790	112	0.02	< 2	4	16	0.06	< 10	< 10	73	< 10	62
BB31854	201	202	215	2	< 0.01	24	580	46	0.02	< 2	4	16	0.05	< 10	< 10	86	< 10	66
BB31855	201	202	150	1	< 0.01	19	490	100	0.01	< 2	3	22	0.04	< 10	< 10	52	< 10	54
BB31856	201	202	210	1	< 0.01	17	400	68	< 0.01	< 2	4	20	0.05	< 10	< 10	48	< 10	54
BB31857	201	202	260	< 1	< 0.01	21	480	14	0.01	< 2	5	19	0.15	< 10	< 10	45	< 10	70
BB31858	201	202	375	< 1	0.01	24	580	8	< 0.01	< 2	5	12	0.22	< 10	< 10	45	< 10	86
BB31859	201	202	270	< 1	< 0.01	22	500	12	0.02	< 2	4	18	0.13	< 10	< 10	52	< 10	68
BB31860	201	202	370	< 1	< 0.01	20	310	18	< 0.01	< 2	4	11	0.14	< 10	< 10	50	< 10	70
BB31861	201	202	370	< 1	0.01	23	460	16	0.01	< 2	4	17	0.11	< 10	< 10	52	< 10	74
BB31862	201	202	310	< 1	< 0.01	18	260	10	0.01	< 2	4	11	0.16	< 10	< 10	57	< 10	60
BB31863	201	202	270	1	< 0.01	20	300	14	0.01	< 2	4	12	0.07	< 10	< 10	57	< 10	60
BB31864	201	202	150	1	< 0.01	14	470	16	0.03	< 2	3	10	0.09	< 10	< 10	41	< 10	54
BB31865	201	202	190	< 1	< 0.01	13	270	18	0.01	2	4	14	0.09	< 10	< 10	50	< 10	56
BB31866	201	202	145	< 1	< 0.01	11	410	30	0.04	< 2	2	11	0.06	< 10	< 10	40	< 10	52
BB31867	201	202	235	< 1	< 0.01	15	160	44	0.01	< 2	3	12	0.07	< 10	< 10	47	< 10	58
BB31868	201	202	240	< 1	< 0.01	6	400	14	0.01	< 2	8	8	0.08	< 10	< 10	32	< 10	124
BB31869	201	202	335	< 1	< 0.01	20	440	14	0.01	< 2	3	13	0.11	< 10	< 10	49	< 10	64
BB31870	201	202	205	1	< 0.01	16	330	10	0.01	< 2	3	12	0.11	< 10	< 10	52	< 10	46
BB31871	201	202	250	< 1	0.01	18	270	8	0.02	< 2	4	20	0.14	< 10	< 10	52	< 10	46
BB31872	201	202	240	< 1	< 0.01	17	420	8	0.01	< 2	3	19	0.12	< 10	< 10	54	< 10	58
BB31873	201	202	295	< 1	< 0.01	17	450	10	< 0.01	< 2	4	16	0.14	< 10	< 10	53	< 10	56
BB31874	201	202	345	< 1	< 0.01	20	440	10	< 0.01	2	4	13	0.15	< 10	< 10	53	< 10	68
BB31875	201	202	200	< 1	< 0.01	17	450	14	0.02	< 2	1	16	0.07	< 10	< 10	44	< 10	54
BB31876	201	202	270	< 1	< 0.01	17	410	10	0.01	< 2	4	14	0.14	< 10	< 10	50	< 10	62
BB31877	201	202	335	< 1	< 0.01	22	490	14	0.01	< 2	4	14	0.14	< 10	< 10	52	< 10	72
BB31878	201	202	605	< 1	< 0.01	32	590	18	< 0.01	< 2	6	19	0.18	< 10	< 10	44	< 10	100
BB31879	201	202	260	1	0.01	16	450	8	< 0.01	< 2	4	24	0.08	< 10	< 10	48	< 10	62

CERTIFICATION: [signature]

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Project : EUREKA JV
Comments:

Page [redacted]er :8-A
Total P[redacted] :8
Certificate Date: 04-JUL-2000
Invoice No. :I0021615
P.O. Number :
Account :RDF

CERTIFICATE OF ANALYSIS A0021615

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB31880	201	202	25	0.2	0.22	72	< 10	230	0.5	< 2	0.20	< 0.5	12	13	50	8.82	< 10	< 1	0.05	20	0.02

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Project : EUREKA JV
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[redacted]er :8-B
Total [redacted] :8
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CERTIFICATE OF ANALYSIS A0021615

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB31880	201	202	160	7	< 0.01	56	810	14	0.01	< 2	3	33	< 0.01	< 10	< 10	37	< 10	288

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Project : EUREKA JV
Comments:

Page [redacted]er : 1-A
Total [redacted] : 8
Certificate Date: 04-JUL-2000
Invoice No. : I0021612
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021612

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB28496	201	202	5	< 0.2	0.17	26	< 10	220	< 0.5	< 2	0.02	< 0.5	1	7	11	0.70	< 10	< 1	0.05	50	0.02
BB31053	201	202	150	< 0.2	1.72	24	< 10	220	< 0.5	< 2	0.15	< 0.5	8	34	29	3.00	< 10	< 1	0.31	20	0.55
BB31054	201	202	15	< 0.2	2.16	8	< 10	200	0.5	< 2	0.13	< 0.5	8	29	25	3.59	< 10	1	0.69	10	0.70
BB31055	201	202	10	< 0.2	2.57	8	< 10	280	0.5	< 2	0.12	< 0.5	9	39	52	4.38	< 10	< 1	0.96	20	1.00
BB31056	201	202	10	< 0.2	2.43	8	< 10	260	0.5	< 2	0.19	< 0.5	11	59	27	3.48	< 10	< 1	0.30	20	0.81
BB31057	201	202	20	< 0.2	1.81	10	< 10	160	0.5	< 2	0.16	< 0.5	12	51	35	3.30	< 10	< 1	0.46	60	0.74
BB31058	201	202	10	< 0.2	3.64	10	< 10	510	2.0	2	0.28	< 0.5	20	91	75	5.04	10	< 1	1.31	80	1.25
BB31059	201	202	< 5	< 0.2	3.75	2	< 10	310	1.0	< 2	0.20	< 0.5	14	106	31	4.89	< 10	< 1	1.49	40	1.65
BB31060	201	202	< 5	< 0.2	3.02	8	< 10	430	0.5	< 2	0.18	< 0.5	16	97	33	4.46	< 10	< 1	1.01	50	1.26
BB31061	201	202	15	< 0.2	3.41	8	< 10	490	1.0	2	0.26	< 0.5	19	142	45	4.77	< 10	< 1	1.19	50	1.68
BB31062	201	202	15	< 0.2	2.67	26	< 10	240	0.5	< 2	0.08	< 0.5	7	27	120	4.40	10	< 1	0.98	20	0.92
BB31063	201	202	525	0.2	1.38	54	< 10	120	0.5	< 2	0.18	0.5	12	32	93	3.67	< 10	< 1	0.44	10	0.48
BB31064	201	202	20	< 0.2	1.68	38	< 10	220	< 0.5	< 2	0.12	< 0.5	11	37	37	2.92	< 10	< 1	0.13	20	0.51
BB31065	201	202	35	< 0.2	1.04	100	< 10	230	< 0.5	< 2	0.14	< 0.5	6	24	71	2.42	< 10	< 1	0.12	40	0.19
BB31066	201	202	35	< 0.2	1.88	26	< 10	380	0.5	2	0.27	< 0.5	13	36	46	3.94	< 10	< 1	0.26	30	0.49
BB31067	201	202	< 5	< 0.2	1.61	6	< 10	220	1.0	< 2	0.66	< 0.5	5	6	10	5.71	< 10	< 1	0.05	30	0.22
BB31068	201	202	15	< 0.2	2.12	14	< 10	320	0.5	< 2	0.34	< 0.5	13	34	28	3.71	< 10	< 1	0.48	40	0.67
BB31069	201	202	55	< 0.2	1.82	34	< 10	160	0.5	< 2	0.32	< 0.5	10	30	37	4.73	< 10	< 1	0.36	50	0.52
BB31070	201	202	20	< 0.2	1.96	24	< 10	270	0.5	< 2	0.36	< 0.5	12	35	27	3.80	< 10	< 1	0.47	40	0.60
BB31071	201	202	30	< 0.2	1.79	24	< 10	220	0.5	< 2	0.32	< 0.5	12	34	24	3.45	< 10	< 1	0.44	40	0.59
BB31072	201	202	15	< 0.2	2.11	28	< 10	210	0.5	2	0.24	< 0.5	14	50	30	3.75	< 10	< 1	0.66	40	0.81
BB31073	201	202	5	< 0.2	1.52	16	< 10	300	0.5	< 2	0.69	< 0.5	10	14	19	3.88	< 10	< 1	0.19	30	0.32
BB31074	201	202	100	0.2	1.12	32	< 10	200	0.5	< 2	0.16	0.5	17	29	52	2.45	< 10	< 1	0.19	40	0.41
BB31075	201	202	15	< 0.2	1.88	28	< 10	210	1.5	< 2	0.10	< 0.5	15	40	63	3.83	< 10	< 1	0.46	60	0.48
BB31076	201	202	15	< 0.2	2.22	26	< 10	320	1.0	< 2	0.12	< 0.5	12	47	56	4.93	< 10	1	1.13	40	0.79
BB31078	201	202	25	< 0.2	1.06	40	< 10	220	1.5	< 2	0.16	< 0.5	12	14	116	4.58	< 10	< 1	0.16	40	0.15
BB31079	201	202	15	< 0.2	2.21	16	< 10	240	1.5	< 2	0.10	< 0.5	10	17	58	5.77	< 10	1	1.07	30	0.72
BB31080	201	202	20	< 0.2	0.91	48	< 10	110	1.5	< 2	0.22	< 0.5	23	12	48	2.82	< 10	< 1	0.21	40	0.23
BB31081	201	202	35	< 0.2	1.68	12	< 10	170	1.5	2	0.20	< 0.5	3	8	25	2.14	< 10	< 1	0.40	90	0.42
BB31082	201	202	15	< 0.2	2.16	26	< 10	120	0.5	2	0.06	< 0.5	7	19	52	4.91	< 10	< 1	0.61	10	0.67
BB31083	201	202	20	< 0.2	2.10	14	< 10	250	0.5	2	0.12	< 0.5	9	43	41	3.84	< 10	< 1	0.58	20	0.81
BB31084	201	202	10	< 0.2	1.49	10	< 10	210	0.5	< 2	0.13	< 0.5	8	34	30	2.97	< 10	< 1	0.64	30	0.56
BB31085	201	202	< 5	< 0.2	1.05	12	< 10	60	1.5	< 2	0.57	< 0.5	3	5	5	4.99	< 10	< 1	0.25	30	0.36
BB31086	201	202	25	< 0.2	0.96	38	< 10	150	1.5	< 2	0.02	< 0.5	9	31	61	4.32	< 10	< 1	0.38	50	0.27
BB31087	201	202	15	< 0.2	2.42	10	< 10	330	0.5	< 2	0.22	< 0.5	11	52	57	4.52	< 10	< 1	1.01	50	0.86
BB31094	201	202	50	< 0.2	2.02	6	< 10	240	0.5	2	0.33	< 0.5	14	36	44	3.66	< 10	< 1	0.58	60	0.83
BB31095	201	202	10	< 0.2	1.94	6	< 10	150	1.0	< 2	0.48	< 0.5	11	25	43	3.01	< 10	< 1	0.67	70	0.73
BB31096	201	202	10	< 0.2	1.43	14	< 10	90	1.0	< 2	0.26	< 0.5	20	21	80	3.23	< 10	< 1	0.45	140	0.59
BB31097	201	202	15	< 0.2	1.76	6	< 10	160	< 0.5	< 2	0.31	< 0.5	10	35	33	3.16	< 10	< 1	0.30	30	0.73
BB31098	201	202	20	< 0.2	0.62	8	< 10	80	< 0.5	< 2	1.90	< 0.5	1	18	32	1.32	< 10	< 1	0.15	50	0.37

CERTIFICATION: [signature]

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Project : EUREKA JV
Comments:

Page [redacted]er : 1-B
Total [redacted]s : 8
Certificate Date: 04-JUL-2000
Invoice No. : I0021612
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021612

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB28496	201	202	45	1	< 0.01	4	350	24	< 0.01	< 2	4	21	< 0.01	< 10	< 10	11	< 10	24
BB31053	201	202	385	1	< 0.01	18	410	18	< 0.01	4	5	20	0.08	< 10	< 10	49	< 10	68
BB31054	201	202	545	1	< 0.01	17	510	6	< 0.01	< 2	7	10	0.14	< 10	< 10	50	< 10	62
BB31055	201	202	470	1	0.01	30	560	10	< 0.01	< 2	7	13	0.16	< 10	< 10	65	< 10	90
BB31056	201	202	585	< 1	< 0.01	22	490	6	0.01	< 2	6	17	0.12	< 10	< 10	62	< 10	68
BB31057	201	202	505	< 1	< 0.01	29	580	8	< 0.01	< 2	5	13	0.11	< 10	< 10	48	< 10	76
BB31058	201	202	735	< 1	0.01	58	780	16	0.01	< 2	8	99	0.24	< 10	< 10	91	< 10	154
BB31059	201	202	545	< 1	0.01	32	450	16	< 0.01	< 2	12	80	0.22	< 10	< 10	76	< 10	142
BB31060	201	202	710	< 1	< 0.01	33	490	18	0.01	< 2	10	21	0.22	< 10	< 10	75	< 10	98
BB31061	201	202	840	< 1	0.01	42	520	12	0.01	< 2	12	26	0.23	< 10	< 10	87	< 10	106
BB31062	201	202	825	< 1	< 0.01	23	310	2	< 0.01	< 2	9	10	0.17	< 10	< 10	72	< 10	72
BB31063	201	202	475	5	< 0.01	32	710	24	< 0.01	< 2	5	18	0.05	< 10	< 10	67	< 10	74
BB31064	201	202	340	1	< 0.01	24	350	18	< 0.01	2	6	15	0.08	< 10	< 10	61	< 10	78
BB31065	201	202	280	2	< 0.01	22	470	32	< 0.01	< 2	6	27	0.03	< 10	< 10	47	< 10	80
BB31066	201	202	545	3	< 0.01	33	640	20	0.01	< 2	6	28	0.08	< 10	< 10	72	< 10	110
BB31067	201	202	910	3	0.01	4	1660	6	< 0.01	< 2	5	65	0.06	< 10	< 10	40	< 10	100
BB31068	201	202	650	< 1	< 0.01	24	650	22	< 0.01	< 2	5	43	0.11	< 10	< 10	48	< 10	84
BB31069	201	202	535	3	< 0.01	23	620	22	< 0.01	2	5	35	0.07	< 10	< 10	36	< 10	70
BB31070	201	202	765	1	< 0.01	25	770	28	0.01	< 2	5	35	0.09	< 10	< 10	44	< 10	76
BB31071	201	202	675	1	< 0.01	23	840	16	0.01	< 2	5	26	0.10	< 10	< 10	42	< 10	76
BB31072	201	202	635	1	< 0.01	37	630	22	0.01	2	5	21	0.13	< 10	< 10	43	< 10	86
BB31073	201	202	950	2	< 0.01	14	1770	12	< 0.01	< 2	6	52	0.02	< 10	< 10	38	< 10	86
BB31074	201	202	385	1	< 0.01	30	620	20	0.03	< 2	5	21	0.08	< 10	< 10	62	< 10	114
BB31075	201	202	420	5	< 0.01	44	760	18	0.01	< 2	5	17	0.11	< 10	< 10	76	< 10	76
BB31076	201	202	495	< 1	< 0.01	43	530	14	0.02	< 2	8	17	0.21	< 10	< 10	84	< 10	146
BB31078	201	202	450	5	< 0.01	66	760	16	0.01	< 2	6	18	0.01	< 10	< 10	48	< 10	174
BB31079	201	202	930	3	< 0.01	26	550	6	0.04	< 2	13	20	0.18	< 10	< 10	61	< 10	94
BB31080	201	202	615	1	< 0.01	44	650	30	< 0.01	< 2	3	22	0.01	< 10	< 10	36	< 10	138
BB31081	201	202	255	1	< 0.01	16	380	20	< 0.01	< 2	5	28	0.06	< 10	< 10	17	< 10	58
BB31082	201	202	535	6	< 0.01	17	460	2	0.01	< 2	8	10	0.15	< 10	< 10	50	< 10	78
BB31083	201	202	570	< 1	< 0.01	23	270	6	0.01	< 2	8	17	0.14	< 10	< 10	55	< 10	76
BB31084	201	202	375	1	< 0.01	22	510	10	0.01	< 2	4	11	0.13	< 10	< 10	50	< 10	76
BB31085	201	202	545	4	< 0.01	27	820	20	< 0.01	< 2	3	36	0.01	< 10	< 10	12	< 10	108
BB31086	201	202	505	10	< 0.01	39	690	34	0.11	< 2	5	25	0.08	< 10	< 10	75	< 10	90
BB31087	201	202	500	3	< 0.01	32	780	8	0.03	< 2	7	20	0.20	< 10	< 10	83	< 10	106
BB31094	201	202	420	3	0.01	34	560	10	0.01	< 2	5	22	0.12	< 10	< 10	42	< 10	82
BB31095	201	202	480	1	< 0.01	26	630	14	< 0.01	< 2	3	21	0.09	< 10	< 10	22	< 10	70
BB31096	201	202	665	4	< 0.01	49	550	12	< 0.01	< 2	5	17	0.03	< 10	< 10	25	< 10	84
BB31097	201	202	350	< 1	0.01	26	570	8	< 0.01	< 2	6	22	0.11	< 10	< 10	46	< 10	66
BB31098	201	202	45	3	< 0.01	9	280	6	0.05	< 2	3	64	0.01	< 10	< 10	22	< 10	12

CERTIFICATION: [signature]

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Project : EUREKA JV
Comments:

Certificate Date: 04-JUL-2000
Invoice No. : I0021612
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021612

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB31099	201	202	15	< 0.2	2.09	20	< 10	230	1.0	< 2	0.16	< 0.5	11	42	42	3.72	< 10	< 1	0.33	40	0.56
BB31100	201	202	10	< 0.2	3.02	22	< 10	310	0.5	< 2	0.52	< 0.5	15	62	21	4.50	< 10	< 1	0.86	40	1.30
BB31101	201	202	10	< 0.2	1.68	14	< 10	240	< 0.5	< 2	0.33	< 0.5	8	35	25	2.78	< 10	< 1	0.13	10	0.62
BB31102	201	202	10	< 0.2	1.07	18	< 10	190	0.5	< 2	0.12	< 0.5	28	77	55	2.89	< 10	< 1	0.19	20	0.45
BB31103	201	202	10	< 0.2	1.66	18	< 10	270	< 0.5	4	0.35	< 0.5	15	39	50	3.33	< 10	< 1	0.25	20	0.67
BB31104	201	202	20	< 0.2	1.25	56	< 10	210	< 0.5	< 2	0.10	< 0.5	10	45	49	2.90	< 10	< 1	0.28	10	0.41
BB31105	201	202	10	< 0.2	2.32	14	< 10	690	0.5	< 2	0.17	< 0.5	8	46	45	3.98	< 10	< 1	1.01	40	0.86
BB31106	201	202	30	< 0.2	1.83	14	< 10	280	0.5	2	0.19	< 0.5	10	39	36	3.42	< 10	< 1	0.47	30	0.62
BB31107	201	202	15	< 0.2	2.90	8	< 10	370	0.5	< 2	0.31	< 0.5	5	14	25	4.04	10	< 1	0.75	20	1.08
BB31108	201	202	20	< 0.2	1.99	16	< 10	250	0.5	< 2	0.20	< 0.5	9	40	33	3.42	< 10	< 1	0.33	30	0.58
BB31109	201	202	10	< 0.2	1.99	12	< 10	300	0.5	2	0.25	< 0.5	9	39	37	3.38	< 10	< 1	0.45	30	0.64
BB31110	201	202	15	< 0.2	1.52	16	< 10	180	0.5	2	0.19	< 0.5	9	36	44	3.06	< 10	< 1	0.51	40	0.50
BB31111	201	202	85	< 0.2	1.47	26	< 10	180	1.0	2	0.19	< 0.5	3	15	32	4.96	< 10	< 1	0.25	40	0.25
BB31112	201	202	15	< 0.2	3.53	12	< 10	580	1.5	< 2	0.67	< 0.5	13	43	29	5.00	10	< 1	0.81	70	1.22
BB31113	201	202	10	< 0.2	3.14	12	< 10	410	0.5	< 2	0.65	< 0.5	20	60	15	5.38	10	< 1	1.22	60	1.47
BB31114	201	202	15	< 0.2	2.35	14	< 10	340	0.5	< 2	0.31	< 0.5	9	50	38	3.91	< 10	< 1	0.33	30	0.82
BB31115	201	202	80	0.6	1.89	78	< 10	1230	2.5	< 2	0.22	< 0.5	17	19	63	11.55	< 10	1	0.31	50	0.26
BB31116	201	202	< 5	< 0.2	2.13	10	< 10	290	< 0.5	< 2	0.11	< 0.5	9	37	20	2.91	< 10	< 1	0.04	10	0.53
BB31117	201	202	5	< 0.2	3.04	14	< 10	410	0.5	< 2	0.15	< 0.5	13	55	34	4.00	< 10	< 1	0.06	10	0.73
BB31118	201	202	10	< 0.2	2.21	10	< 10	340	1.0	< 2	0.40	< 0.5	32	36	135	3.27	< 10	< 1	0.29	60	0.93
BB31119	201	202	< 5	< 0.2	2.26	2	< 10	540	0.5	< 2	0.37	< 0.5	12	57	92	3.37	< 10	< 1	0.21	30	2.00
BB31120	201	202	10	< 0.2	2.71	10	< 10	390	1.0	< 2	0.52	< 0.5	24	118	39	4.50	< 10	< 1	0.38	30	1.49
BB31121	201	202	10	< 0.2	2.40	16	< 10	190	1.5	< 2	0.31	< 0.5	16	39	87	5.09	< 10	< 1	0.52	90	0.86
BB31122	201	202	20	< 0.2	1.67	18	< 10	300	0.5	< 2	0.36	< 0.5	10	40	27	3.11	< 10	< 1	0.11	10	0.52
BB31123	201	202	25	< 0.2	1.68	12	< 10	230	< 0.5	< 2	0.22	< 0.5	7	25	21	3.47	< 10	< 1	0.36	10	0.58
BB31124	201	202	< 5	< 0.2	2.58	66	< 10	680	0.5	4	0.26	< 0.5	6	51	56	5.06	< 10	< 1	1.22	50	0.91
BB31125	201	202	10	< 0.2	1.92	18	< 10	290	0.5	< 2	0.23	< 0.5	9	40	32	3.49	< 10	< 1	0.23	30	0.61
BB31126	201	202	15	< 0.2	1.03	12	< 10	140	< 0.5	< 2	0.12	< 0.5	4	26	22	1.85	< 10	< 1	0.30	30	0.35
BB31127	201	202	< 5	< 0.2	1.91	12	< 10	260	0.5	2	0.14	< 0.5	8	36	33	3.33	< 10	< 1	0.69	30	0.67
BB31128	201	202	< 5	< 0.2	2.82	16	< 10	250	0.5	2	0.36	< 0.5	15	59	48	4.55	< 10	< 1	1.23	40	1.10
BB31129	201	202	< 5	< 0.2	2.45	6	< 10	270	1.0	2	0.48	< 0.5	12	35	33	3.77	< 10	< 1	1.11	70	0.92
BB31130	201	202	< 5	< 0.2	1.66	8	< 10	270	< 0.5	2	0.32	< 0.5	9	33	24	2.63	< 10	< 1	0.09	20	0.57
BB31131	201	202	< 5	< 0.2	2.69	6	< 10	220	0.5	4	0.42	< 0.5	13	42	36	4.11	< 10	< 1	1.07	50	1.02
BB31132	201	202	< 5	< 0.2	3.39	2	< 10	320	0.5	2	0.31	< 0.5	18	61	40	4.97	10	< 1	1.58	40	1.44
BB31133	201	202	< 5	< 0.2	2.74	8	< 10	300	0.5	< 2	0.32	< 0.5	13	47	31	4.46	< 10	< 1	1.22	30	1.03
BB31134	201	202	< 5	< 0.2	3.03	4	< 10	290	0.5	2	0.30	< 0.5	16	65	22	4.66	10	< 1	1.34	10	1.29
BB31135	201	202	< 5	< 0.2	2.69	12	< 10	270	0.5	2	0.32	< 0.5	14	44	39	4.68	< 10	< 1	1.36	40	1.05
BB31136	201	202	< 5	< 0.2	2.07	6	< 10	250	0.5	< 2	0.26	< 0.5	12	38	23	3.39	< 10	< 1	0.39	30	0.71
BB31137	201	202	15	< 0.2	2.31	6	< 10	240	0.5	2	0.28	< 0.5	12	74	19	3.37	< 10	< 1	0.59	30	0.97
BB31138	201	202	5	< 0.2	2.17	6	< 10	220	0.5	< 2	0.27	< 0.5	11	34	24	3.47	< 10	< 1	0.54	40	0.75

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SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB31099	201	202	455	1	< 0.01	26	270	16	0.02	< 2	9	19	0.10	< 10	< 10	66	< 10	54
BB31100	201	202	685	< 1	0.01	28	1060	28	< 0.01	< 2	9	33	0.16	< 10	< 10	87	< 10	88
BB31101	201	202	330	1	0.01	21	550	6	< 0.01	< 2	5	25	0.08	< 10	< 10	50	< 10	50
BB31102	201	202	630	1	< 0.01	58	280	10	0.05	< 2	4	14	0.06	< 10	< 10	36	< 10	52
BB31103	201	202	585	1	0.01	36	680	6	0.01	< 2	6	25	0.09	< 10	< 10	53	< 10	68
BB31104	201	202	295	4	< 0.01	29	210	14	0.04	< 2	7	17	0.06	< 10	< 10	42	< 10	48
BB31105	201	202	280	1	< 0.01	34	450	6	< 0.01	2	5	14	0.23	< 10	< 10	76	< 10	142
BB31106	201	202	385	< 1	< 0.01	28	480	12	0.01	2	6	19	0.12	< 10	< 10	58	< 10	88
BB31107	201	202	570	1	< 0.01	18	330	< 2	< 0.01	2	12	27	0.12	< 10	< 10	30	< 10	88
BB31108	201	202	250	< 1	< 0.01	24	380	14	< 0.01	< 2	7	22	0.09	< 10	< 10	57	< 10	80
BB31109	201	202	525	1	< 0.01	29	390	12	< 0.01	< 2	7	25	0.11	< 10	< 10	57	< 10	90
BB31110	201	202	420	2	< 0.01	24	460	14	< 0.01	< 2	5	17	0.09	< 10	< 10	48	< 10	74
BB31111	201	202	1305	7	< 0.01	18	570	12	< 0.01	< 2	10	20	0.02	< 10	< 10	37	< 10	68
BB31112	201	202	790	1	0.01	19	1230	14	< 0.01	< 2	13	64	0.11	< 10	< 10	84	< 10	110
BB31113	201	202	1395	1	0.01	26	1680	10	< 0.01	< 2	9	26	0.16	< 10	< 10	104	10	102
BB31114	201	202	615	1	< 0.01	29	420	8	< 0.01	2	7	26	0.07	< 10	< 10	60	< 10	74
BB31115	201	202	6780	10	< 0.01	134	1130	26	< 0.01	< 2	14	23	0.03	< 10	< 10	76	< 10	150
BB31116	201	202	265	2	< 0.01	21	140	8	< 0.01	< 2	3	15	0.07	< 10	< 10	57	< 10	54
BB31117	201	202	300	< 1	< 0.01	29	170	12	< 0.01	2	6	20	0.08	< 10	< 10	80	< 10	78
BB31118	201	202	1240	< 1	< 0.01	29	440	12	< 0.01	< 2	6	21	0.05	< 10	< 10	32	< 10	64
BB31119	201	202	675	1	0.01	102	340	< 2	0.03	< 2	12	37	0.08	< 10	< 10	74	< 10	156
BB31120	201	202	1435	3	< 0.01	68	660	12	< 0.01	< 2	9	27	0.04	< 10	< 10	90	< 10	156
BB31121	201	202	325	4	< 0.01	42	880	20	0.03	< 2	5	23	0.08	< 10	< 10	57	< 10	176
BB31122	201	202	420	1	0.01	22	750	10	0.01	< 2	6	30	0.08	< 10	< 10	55	< 10	74
BB31123	201	202	380	< 1	< 0.01	15	470	6	0.01	< 2	6	20	0.09	< 10	< 10	39	< 10	60
BB31124	201	202	330	3	0.01	26	1000	44	0.16	< 2	7	21	0.22	< 10	< 10	92	< 10	96
BB31125	201	202	280	1	< 0.01	25	330	10	< 0.01	< 2	7	21	0.11	< 10	< 10	59	< 10	80
BB31126	201	202	120	< 1	< 0.01	18	290	8	< 0.01	< 2	3	13	0.08	< 10	< 10	43	< 10	62
BB31127	201	202	265	1	< 0.01	26	360	12	< 0.01	< 2	5	15	0.16	< 10	< 10	62	< 10	102
BB31128	201	202	655	3	< 0.01	35	710	10	< 0.01	< 2	6	28	0.25	< 10	< 10	48	< 10	102
BB31129	201	202	485	< 1	< 0.01	26	770	20	< 0.01	< 2	5	29	0.13	< 10	< 10	33	< 10	88
BB31130	201	202	280	1	0.01	21	390	10	< 0.01	< 2	5	28	0.08	< 10	< 10	52	< 10	58
BB31131	201	202	345	1	< 0.01	33	1290	8	< 0.01	< 2	7	19	0.18	< 10	< 10	38	< 10	90
BB31132	201	202	685	1	< 0.01	32	800	18	< 0.01	2	8	16	0.32	< 10	< 10	55	< 10	358
BB31133	201	202	480	< 1	< 0.01	35	590	12	< 0.01	< 2	7	22	0.21	< 10	< 10	43	< 10	102
BB31134	201	202	785	< 1	< 0.01	32	580	6	< 0.01	2	9	18	0.35	< 10	< 10	60	< 10	102
BB31135	201	202	470	1	< 0.01	33	880	10	< 0.01	< 2	6	17	0.28	< 10	< 10	42	< 10	100
BB31136	201	202	430	2	< 0.01	25	480	10	< 0.01	< 2	5	22	0.14	< 10	< 10	46	< 10	72
BB31137	201	202	385	< 1	< 0.01	20	560	12	< 0.01	< 2	5	21	0.16	< 10	< 10	51	< 10	76
BB31138	201	202	390	3	< 0.01	23	630	10	0.01	< 2	4	19	0.14	< 10	< 10	43	< 10	76

CERTIFICATION: [signature]

ALS Chemex

Aurora Laboratory Services Ltd.
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[redacted]: EUREKA JOINT VENTURE
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
Comments:

Page [redacted]er : 3-A
Total [redacted] : 8
Certificate Date: 04-JUL-2000
Invoice No. : I0021612
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021612

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB31139	201	202	5	< 0.2	2.11	16	< 10	160	0.5	< 2	0.17	< 0.5	13	32	17	3.49	< 10	< 1	0.27	10	0.60
BB31140	201	202	< 5	0.4	0.15	98	< 10	140	< 0.5	< 2	0.04	< 0.5	2	6	19	0.69	< 10	3	0.02	10	0.02
BB31141	201	202	45	< 0.2	1.90	4	< 10	230	< 0.5	4	0.16	0.5	4	8	40	4.98	< 10	< 1	0.71	< 10	0.68
BB31378	201	202	5	< 0.2	1.85	12	< 10	140	< 0.5	2	0.09	< 0.5	6	29	14	3.04	< 10	< 1	0.15	10	0.57
BB31379	201	202	5	< 0.2	2.04	8	< 10	300	< 0.5	< 2	0.21	< 0.5	10	38	22	3.15	< 10	< 1	0.22	20	0.69
BB31380	201	202	5	0.2	2.26	16	< 10	260	0.5	< 2	0.18	< 0.5	10	40	32	3.52	< 10	< 1	0.27	10	0.64
BB31381	201	202	10	0.6	2.57	20	< 10	470	0.5	2	0.33	< 0.5	12	48	44	4.21	< 10	< 1	0.17	20	0.69
BB31382	201	202	< 5	< 0.2	2.09	8	< 10	200	< 0.5	< 2	0.14	< 0.5	9	51	17	3.17	< 10	< 1	0.16	10	0.70
BB31383	201	202	15	< 0.2	2.23	10	< 10	270	0.5	< 2	0.19	< 0.5	11	48	42	4.03	< 10	< 1	0.57	20	0.77
BB31384	201	202	10	< 0.2	1.92	14	< 10	230	< 0.5	< 2	0.13	< 0.5	8	35	19	2.86	< 10	< 1	0.12	10	0.52
BB31385	201	202	< 5	< 0.2	1.62	12	< 10	180	< 0.5	< 2	0.14	< 0.5	7	45	20	2.57	< 10	< 1	0.24	10	0.52
BB31386	201	202	5	< 0.2	2.14	14	< 10	190	< 0.5	2	0.09	< 0.5	9	41	23	3.01	< 10	< 1	0.06	10	0.50
BB31387	201	202	10	< 0.2	1.76	10	< 10	170	< 0.5	< 2	0.13	< 0.5	8	33	24	2.65	< 10	< 1	0.07	10	0.46
BB31388	201	202	< 5	< 0.2	1.63	8	< 10	190	< 0.5	2	0.13	< 0.5	7	31	18	2.44	< 10	< 1	0.06	10	0.45
BB31389	201	202	10	< 0.2	2.11	8	< 10	220	< 0.5	< 2	0.11	< 0.5	8	41	27	3.23	< 10	< 1	0.28	10	0.74
BB31390	201	202	10	< 0.2	2.05	10	< 10	150	< 0.5	2	0.08	< 0.5	8	41	17	3.18	< 10	< 1	0.23	10	0.65
BB31391	201	202	5	< 0.2	2.42	6	< 10	200	< 0.5	2	0.12	< 0.5	12	53	24	3.57	< 10	< 1	0.50	10	0.92
BB31392	201	202	< 5	< 0.2	3.09	6	< 10	250	0.5	< 2	0.14	< 0.5	14	84	35	3.65	< 10	< 1	0.45	30	1.23
BB31393	201	202	< 5	< 0.2	2.00	8	< 10	150	< 0.5	< 2	0.14	< 0.5	8	37	11	2.76	< 10	< 1	0.28	20	0.59
BB31394	201	202	< 5	< 0.2	4.13	4	< 10	310	0.5	2	0.19	< 0.5	17	144	31	5.29	10	< 1	1.64	40	1.58
BB31395	201	202	< 5	< 0.2	1.96	10	< 10	180	< 0.5	< 2	0.11	< 0.5	8	34	14	3.17	< 10	< 1	0.10	10	0.48
BB31396	201	202	10	< 0.2	2.50	12	< 10	150	0.5	< 2	0.09	< 0.5	13	47	21	3.88	< 10	< 1	0.38	10	0.69
BB31397	201	202	< 5	< 0.2	1.98	22	< 10	120	< 0.5	2	0.07	< 0.5	8	37	14	3.33	< 10	< 1	0.13	10	0.53
BB31398	201	202	< 5	< 0.2	2.05	16	< 10	190	< 0.5	< 2	0.13	< 0.5	12	37	16	3.29	< 10	< 1	0.10	10	0.51
BB31399	201	202	35	< 0.2	2.06	20	< 10	120	< 0.5	< 2	0.07	< 0.5	7	41	14	3.11	< 10	< 1	0.11	10	0.48
BB31400	201	202	10	< 0.2	1.84	14	< 10	120	< 0.5	< 2	0.08	< 0.5	7	29	15	2.99	< 10	< 1	0.08	10	0.38
BB31401	201	202	< 5	< 0.2	2.71	12	< 10	400	0.5	< 2	0.15	< 0.5	12	83	39	4.15	< 10	< 1	0.72	10	1.11
BB31402	201	202	10	0.2	1.70	14	< 10	270	0.5	2	0.16	< 0.5	9	43	27	2.87	< 10	< 1	0.29	20	0.54
BB31403	201	202	< 5	< 0.2	1.73	14	< 10	190	< 0.5	< 2	0.09	< 0.5	7	30	17	3.00	< 10	< 1	0.21	10	0.46
BB31404	201	202	5	< 0.2	2.58	20	< 10	170	0.5	< 2	0.03	< 0.5	10	45	36	4.19	< 10	< 1	0.56	20	0.75
BB31405	201	202	15	< 0.2	2.52	20	< 10	190	0.5	< 2	0.07	< 0.5	10	44	23	3.69	< 10	< 1	0.11	10	0.54
BB31406	201	202	< 5	< 0.2	2.21	12	< 10	160	< 0.5	< 2	0.07	< 0.5	8	41	15	3.26	< 10	< 1	0.07	10	0.51
BB31407	201	202	< 5	< 0.2	1.63	10	< 10	100	< 0.5	< 2	0.07	< 0.5	7	32	16	2.86	< 10	< 1	0.06	10	0.42
BB31408	201	202	5	< 0.2	1.96	8	< 10	190	< 0.5	< 2	0.13	< 0.5	8	37	23	2.94	< 10	< 1	0.09	10	0.52
BB31409	201	202	< 5	< 0.2	1.50	8	< 10	280	< 0.5	< 2	0.24	< 0.5	7	30	26	2.44	< 10	< 1	0.11	10	0.48
BB31410	201	202	10	0.2	2.23	16	< 10	290	< 0.5	< 2	0.25	< 0.5	8	38	24	3.22	< 10	< 1	0.11	20	0.55
BB31411	201	202	< 5	< 0.2	1.90	14	< 10	150	< 0.5	< 2	0.09	< 0.5	9	36	18	3.05	< 10	< 1	0.07	10	0.51
BB31412	201	202	< 5	< 0.2	1.53	16	< 10	280	< 0.5	< 2	0.06	< 0.5	6	32	17	3.03	< 10	< 1	0.12	10	0.39
BB31413	201	202	< 5	< 0.2	1.96	10	< 10	130	< 0.5	< 2	0.05	< 0.5	6	39	26	3.42	< 10	< 1	0.24	10	0.56
BB31414	201	202	< 5	< 0.2	1.62	12	< 10	140	< 0.5	< 2	0.05	< 0.5	5	34	27	2.42	< 10	< 1	0.23	10	0.43

CERTIFICATION: [signature]

ALS Chemex

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To: EUREKA JOINT VENTURE
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
Comments:

Page Number :3-B
Total Pages :8
Certificate Date: 04-JUL-2000
Invoice No. :10021612
P.O. Number :
Account :RDF

CERTIFICATE OF ANALYSIS A0021612

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB31139	201	202	450	1	< 0.01	19	490	12	< 0.01	< 2	3	14	0.12	< 10	< 10	48	< 10	62
BB31140	201	202	630	3	< 0.01	11	70	16	0.02	14	1	7	< 0.01	< 10	< 10	6	< 10	10
BB31141	201	202	160	< 1	0.01	17	350	2	< 0.01	< 2	11	12	0.10	< 10	< 10	42	< 10	94
BB31378	201	202	245	< 1	< 0.01	14	370	12	< 0.01	< 2	4	10	0.13	< 10	< 10	64	< 10	48
BB31379	201	202	495	1	< 0.01	19	590	6	0.01	< 2	4	19	0.10	< 10	< 10	56	< 10	58
BB31380	201	202	425	1	< 0.01	24	500	14	0.02	< 2	4	17	0.10	< 10	< 10	69	< 10	68
BB31381	201	202	445	1	0.01	27	700	14	0.05	< 2	5	29	0.07	< 10	< 10	81	< 10	78
BB31382	201	202	330	< 1	< 0.01	20	290	6	< 0.01	< 2	4	13	0.12	< 10	< 10	55	< 10	64
BB31383	201	202	260	1	< 0.01	37	720	12	0.01	< 2	4	14	0.13	< 10	< 10	67	< 10	102
BB31384	201	202	250	1	< 0.01	20	470	16	< 0.01	< 2	3	14	0.09	< 10	< 10	57	< 10	62
BB31385	201	202	220	< 1	< 0.01	21	370	8	< 0.01	2	3	14	0.13	< 10	< 10	62	< 10	44
BB31386	201	202	230	< 1	< 0.01	22	230	10	< 0.01	< 2	3	11	0.08	< 10	< 10	63	< 10	56
BB31387	201	202	235	1	< 0.01	20	300	10	< 0.01	< 2	3	13	0.08	< 10	< 10	53	< 10	52
BB31388	201	202	200	1	< 0.01	17	360	4	< 0.01	< 2	3	12	0.07	< 10	< 10	49	< 10	52
BB31389	201	202	350	< 1	< 0.01	21	200	10	< 0.01	2	5	14	0.14	< 10	< 10	62	< 10	56
BB31390	201	202	295	< 1	< 0.01	18	270	8	< 0.01	< 2	4	10	0.15	< 10	< 10	67	< 10	52
BB31391	201	202	510	2	< 0.01	25	390	8	< 0.01	< 2	5	10	0.18	< 10	< 10	61	< 10	54
BB31392	201	202	445	1	< 0.01	31	130	< 2	< 0.01	2	8	16	0.20	< 10	< 10	59	< 10	50
BB31393	201	202	205	1	< 0.01	18	270	6	0.01	< 2	3	13	0.14	< 10	< 10	54	< 10	46
BB31394	201	202	785	< 1	0.01	36	780	< 2	< 0.01	< 2	12	18	0.33	< 10	< 10	80	< 10	78
BB31395	201	202	415	< 1	< 0.01	16	330	8	0.01	< 2	3	14	0.09	< 10	< 10	61	< 10	46
BB31396	201	202	470	< 1	< 0.01	23	330	8	< 0.01	< 2	4	10	0.13	< 10	< 10	55	< 10	70
BB31397	201	202	310	1	< 0.01	18	410	14	0.01	< 2	3	10	0.09	< 10	< 10	57	< 10	68
BB31398	201	202	695	1	< 0.01	17	470	12	< 0.01	< 2	4	15	0.08	< 10	< 10	59	< 10	62
BB31399	201	202	255	1	< 0.01	15	190	18	< 0.01	< 2	4	9	0.08	< 10	< 10	58	< 10	64
BB31400	201	202	285	< 1	< 0.01	15	400	16	0.01	< 2	1	10	0.06	< 10	< 10	51	< 10	58
BB31401	201	202	600	< 1	< 0.01	21	520	6	0.01	< 2	7	18	0.16	< 10	< 10	74	< 10	76
BB31402	201	202	360	< 1	< 0.01	27	440	20	0.01	< 2	4	17	0.10	< 10	< 10	55	< 10	82
BB31403	201	202	220	1	< 0.01	18	380	16	0.01	< 2	3	11	0.12	< 10	< 10	63	< 10	62
BB31404	201	202	340	< 1	< 0.01	30	520	16	0.04	2	4	8	0.18	< 10	< 10	71	< 10	106
BB31405	201	202	240	1	< 0.01	23	310	12	0.01	< 2	4	10	0.10	< 10	< 10	71	< 10	70
BB31406	201	202	200	1	0.01	20	190	8	< 0.01	< 2	3	9	0.09	< 10	< 10	67	< 10	64
BB31407	201	202	180	< 1	0.01	18	250	8	< 0.01	< 2	3	9	0.08	< 10	< 10	63	< 10	50
BB31408	201	202	215	< 1	0.01	22	250	6	< 0.01	< 2	4	14	0.10	< 10	< 10	58	< 10	62
BB31409	201	202	205	1	0.01	21	530	10	< 0.01	< 2	4	19	0.08	< 10	< 10	48	< 10	66
BB31410	201	202	165	3	0.01	25	700	16	0.01	< 2	4	23	0.09	< 10	< 10	59	< 10	84
BB31411	201	202	200	1	0.01	18	240	6	< 0.01	< 2	3	11	0.08	< 10	< 10	64	< 10	56
BB31412	201	202	265	1	0.01	19	680	8	0.01	< 2	2	9	0.07	< 10	< 10	65	< 10	54
BB31413	201	202	155	1	0.01	25	330	12	0.01	< 2	3	7	0.12	< 10	< 10	78	< 10	66
BB31414	201	202	145	< 1	0.01	19	230	14	< 0.01	< 2	3	7	0.10	< 10	< 10	53	< 10	54

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CERTIFICATE OF ANALYSIS A0021612

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB31415	201	202	< 5	< 0.2	2.79	4	< 10	280	< 0.5	< 2	0.09	< 0.5	12	47	22	3.60	< 10	< 1	0.09	10	0.59
BB31416	201	202	< 5	< 0.2	2.40	14	< 10	160	< 0.5	< 2	0.09	< 0.5	10	40	21	3.90	< 10	< 1	0.19	10	0.57
BB31417	201	202	10	< 0.2	2.70	18	< 10	210	< 0.5	< 2	0.11	< 0.5	11	40	20	3.45	< 10	< 1	0.07	10	0.61
BB31418	201	202	< 5	< 0.2	3.18	2	< 10	250	< 0.5	< 2	0.10	0.5	11	100	19	4.09	< 10	1	0.37	10	0.96
BB31419	201	202	15	< 0.2	3.03	32	< 10	90	0.5	< 2	0.04	< 0.5	25	43	36	6.15	< 10	< 1	0.38	30	0.62
BB31420	201	202	< 5	< 0.2	3.80	22	< 10	110	0.5	< 2	0.10	< 0.5	11	60	21	5.66	< 10	< 1	0.98	30	1.00
BB31421	201	202	15	< 0.2	2.30	26	< 10	110	0.5	< 2	0.13	< 0.5	9	42	31	3.54	< 10	< 1	0.29	20	0.66
BB31422	201	202	10	< 0.2	1.67	20	< 10	110	< 0.5	< 2	0.10	< 0.5	8	34	21	3.02	< 10	< 1	0.17	40	0.37
BB31423	201	202	25	< 0.2	1.31	4	< 10	120	< 0.5	< 2	0.06	< 0.5	6	29	14	2.38	< 10	< 1	0.14	20	0.33
BB31424	201	202	< 5	1.0	2.96	14	< 10	290	< 0.5	2	0.09	0.5	12	43	17	3.65	< 10	< 1	0.06	10	0.48
BB31425	201	202	10	0.2	2.40	36	< 10	310	< 0.5	< 2	0.15	< 0.5	11	43	26	3.91	< 10	< 1	0.19	20	0.59
BB31426	201	202	< 5	< 0.2	2.22	14	< 10	240	< 0.5	< 2	0.12	< 0.5	9	42	24	3.24	< 10	< 1	0.10	20	0.54
BB31427	201	202	25	< 0.2	2.26	14	< 10	220	< 0.5	< 2	0.13	0.5	11	43	31	3.47	< 10	< 1	0.39	30	0.68
BB31428	201	202	10	< 0.2	2.24	12	< 10	200	< 0.5	< 2	0.13	< 0.5	9	43	20	3.48	< 10	< 1	0.13	10	0.59
BB31429	201	202	10	< 0.2	2.06	12	< 10	210	< 0.5	< 2	0.13	< 0.5	7	41	19	3.03	< 10	< 1	0.09	10	0.49
BB31430	201	202	15	< 0.2	1.55	12	< 10	250	< 0.5	< 2	0.24	< 0.5	8	38	20	2.49	< 10	< 1	0.06	10	0.53
BB31431	201	202	10	< 0.2	2.22	20	< 10	280	< 0.5	< 2	0.19	< 0.5	9	40	19	3.17	< 10	< 1	0.07	10	0.52
BB31432	201	202	10	< 0.2	2.01	12	< 10	280	< 0.5	< 2	0.16	< 0.5	9	40	30	2.91	< 10	< 1	0.09	20	0.53
BB31433	201	202	10	< 0.2	2.27	18	< 10	210	< 0.5	< 2	0.13	< 0.5	8	39	22	3.35	< 10	< 1	0.16	10	0.53
BB31434	201	202	< 5	< 0.2	2.10	6	< 10	180	< 0.5	< 2	0.07	< 0.5	6	27	13	3.13	< 10	< 1	0.17	10	0.57
BB31435	201	202	< 5	< 0.2	2.68	14	< 10	290	< 0.5	< 2	0.10	< 0.5	12	39	17	3.43	< 10	< 1	0.07	10	0.51
BB31436	201	202	< 5	< 0.2	2.49	12	< 10	230	< 0.5	< 2	0.10	< 0.5	9	37	17	3.36	< 10	< 1	0.05	10	0.56
BB31437	201	202	< 5	0.2	2.75	14	< 10	180	< 0.5	< 2	0.08	< 0.5	10	42	12	3.57	< 10	< 1	0.05	10	0.52
BB31438	201	202	10	< 0.2	1.99	12	< 10	120	< 0.5	< 2	0.16	< 0.5	8	35	31	3.15	< 10	< 1	0.10	20	0.50
BB31439	201	202	< 5	< 0.2	1.27	12	< 10	80	< 0.5	< 2	0.06	< 0.5	5	31	14	2.63	< 10	< 1	0.13	10	0.33
BB31440	201	202	15	< 0.2	2.03	30	< 10	420	0.5	2	0.18	< 0.5	10	39	40	3.54	< 10	< 1	0.57	40	0.73
BB31441	201	202	< 5	< 0.2	1.90	14	< 10	100	< 0.5	< 2	0.07	< 0.5	9	32	23	3.20	< 10	< 1	0.34	10	0.60
BB31442	201	202	140	< 0.2	1.33	28	< 10	130	0.5	< 2	0.15	< 0.5	10	21	31	3.30	< 10	< 1	0.23	70	0.37
BB31443	201	202	55	0.4	1.29	28	< 10	110	< 0.5	< 2	0.15	< 0.5	5	24	17	2.26	< 10	< 1	0.21	30	0.41
BB31444	201	202	10	< 0.2	0.58	30	< 10	70	< 0.5	< 2	0.07	< 0.5	4	26	11	2.32	< 10	< 1	0.11	30	0.15
BB31445	201	202	15	< 0.2	1.82	16	< 10	150	1.0	< 2	0.23	0.5	17	32	38	4.92	< 10	< 1	0.61	70	0.58
BB31446	201	202	< 5	< 0.2	1.10	10	< 10	470	< 0.5	< 2	0.06	0.5	4	24	15	1.77	< 10	< 1	0.06	20	0.22
BB31447	201	202	15	< 0.2	2.38	32	< 10	160	< 0.5	< 2	0.08	< 0.5	9	46	22	4.02	< 10	< 1	0.12	10	0.44
BB31448	201	202	70	< 0.2	1.90	24	< 10	100	< 0.5	2	0.05	< 0.5	7	39	25	3.23	< 10	< 1	0.16	10	0.43
BB31449	201	202	25	< 0.2	2.71	36	< 10	220	< 0.5	< 2	0.11	< 0.5	11	48	25	3.39	< 10	< 1	0.06	10	0.55
BB31450	201	202	20	< 0.2	2.50	28	< 10	290	< 0.5	< 2	0.14	< 0.5	10	43	23	3.59	< 10	< 1	0.06	10	0.53
BB31451	201	202	< 5	< 0.2	2.51	16	< 10	240	< 0.5	< 2	0.11	< 0.5	10	44	22	3.28	< 10	< 1	0.05	10	0.57
BB31452	201	202	10	0.2	2.59	6	< 10	170	0.5	< 2	0.09	< 0.5	9	50	40	3.79	< 10	< 1	0.37	10	0.67
BB31453	201	202	10	< 0.2	2.30	18	< 10	210	< 0.5	< 2	0.09	0.5	9	43	29	3.68	< 10	< 1	0.23	10	0.63
BB31454	201	202	5	< 0.2	2.47	18	< 10	200	< 0.5	2	0.08	< 0.5	9	41	20	3.63	< 10	< 1	0.12	10	0.54

CERTIFICATION:

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EUREKA JOINT VENTURE
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
Comments:

Certificate Date: 04-JUL-2000
Invoice No. :I0021612
P.O. Number :
Account :RDF

CERTIFICATE OF ANALYSIS A0021612

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB31415	201	202	345	1	0.01	26	320	16	< 0.01	< 2	4	12	0.09	< 10	< 10	75	< 10	84
BB31416	201	202	510	2	0.01	19	760	12	< 0.01	< 2	4	10	0.08	< 10	< 10	73	< 10	56
BB31417	201	202	265	< 1	0.01	24	250	8	< 0.01	< 2	4	13	0.07	< 10	< 10	64	< 10	64
BB31418	201	202	410	< 1	0.01	24	200	4	0.01	< 2	7	11	0.16	< 10	< 10	85	< 10	60
BB31419	201	202	950	1	0.01	31	470	34	0.01	< 2	4	6	0.07	< 10	< 10	45	< 10	100
BB31420	201	202	705	< 1	0.01	26	490	16	0.04	< 2	5	12	0.23	< 10	< 10	54	< 10	102
BB31421	201	202	400	2	0.01	23	340	16	0.01	< 2	4	12	0.11	< 10	< 10	54	< 10	72
BB31422	201	202	285	1	0.01	18	820	14	0.01	< 2	3	12	0.06	< 10	< 10	61	< 10	76
BB31423	201	202	175	< 1	0.01	15	350	6	< 0.01	< 2	2	9	0.05	< 10	< 10	48	< 10	62
BB31424	201	202	245	< 1	0.01	25	440	14	0.01	< 2	3	11	0.07	< 10	< 10	83	< 10	84
BB31425	201	202	240	4	0.01	26	680	24	0.01	< 2	3	18	0.09	< 10	< 10	82	< 10	94
BB31426	201	202	230	< 1	0.01	22	220	18	< 0.01	< 2	6	15	0.09	< 10	< 10	71	< 10	72
BB31427	201	202	275	2	0.01	28	430	16	< 0.01	< 2	5	12	0.13	< 10	< 10	67	< 10	94
BB31428	201	202	225	1	0.01	24	500	10	< 0.01	< 2	4	14	0.11	< 10	< 10	70	< 10	84
BB31429	201	202	200	1	0.01	23	580	16	< 0.01	< 2	4	14	0.09	< 10	< 10	62	< 10	78
BB31430	201	202	245	1	0.01	20	490	8	< 0.01	2	4	20	0.08	< 10	< 10	51	< 10	64
BB31431	201	202	310	3	0.01	19	390	8	< 0.01	< 2	4	21	0.07	< 10	< 10	71	< 10	62
BB31432	201	202	260	1	0.01	22	260	2	< 0.01	< 2	6	18	0.09	< 10	< 10	59	< 10	62
BB31433	201	202	275	1	0.01	22	590	6	< 0.01	< 2	4	15	0.09	< 10	< 10	66	< 10	76
BB31434	201	202	255	< 1	0.01	14	150	6	< 0.01	< 2	4	8	0.11	< 10	< 10	55	< 10	46
BB31435	201	202	765	< 1	0.01	21	300	10	0.01	< 2	4	12	0.08	< 10	< 10	72	< 10	56
BB31436	201	202	260	1	0.01	20	200	6	< 0.01	< 2	4	12	0.08	< 10	< 10	67	< 10	58
BB31437	201	202	290	1	0.01	21	270	8	< 0.01	< 2	4	10	0.07	< 10	< 10	72	< 10	56
BB31438	201	202	240	< 1	0.01	25	630	6	0.01	< 2	3	13	0.07	< 10	< 10	57	< 10	56
BB31439	201	202	165	< 1	0.01	15	500	8	0.01	< 2	1	8	0.08	< 10	< 10	79	< 10	42
BB31440	201	202	375	3	0.01	29	770	8	0.02	< 2	5	14	0.09	< 10	< 10	51	< 10	84
BB31441	201	202	220	1	0.01	22	320	4	0.01	< 2	3	8	0.12	< 10	< 10	57	< 10	58
BB31442	201	202	520	2	0.01	21	450	12	0.03	< 2	3	14	0.05	< 10	< 10	28	< 10	66
BB31443	201	202	170	1	0.01	12	510	22	0.06	< 2	3	12	0.06	< 10	< 10	27	< 10	54
BB31444	201	202	95	3	< 0.01	17	650	58	0.01	< 2	1	14	0.03	< 10	< 10	28	< 10	58
BB31445	201	202	815	1	0.01	36	780	20	0.14	6	4	21	0.09	< 10	< 10	32	< 10	102
BB31446	201	202	110	< 1	0.01	10	560	194	0.01	< 2	< 1	11	0.03	< 10	< 10	43	< 10	42
BB31447	201	202	270	1	0.01	26	510	16	0.01	< 2	4	10	0.07	< 10	< 10	77	< 10	82
BB31448	201	202	295	1	0.01	22	430	6	< 0.01	< 2	3	7	0.09	< 10	< 10	76	< 10	52
BB31449	201	202	260	2	0.01	23	230	2	< 0.01	2	4	15	0.08	< 10	< 10	77	< 10	64
BB31450	201	202	385	1	0.01	21	490	6	< 0.01	< 2	4	18	0.07	< 10	< 10	80	< 10	70
BB31451	201	202	270	1	0.01	25	150	6	< 0.01	< 2	4	14	0.08	< 10	< 10	69	< 10	64
BB31452	201	202	300	< 1	0.01	27	280	12	< 0.01	< 2	5	10	0.14	< 10	< 10	79	< 10	70
BB31453	201	202	275	< 1	0.01	25	360	2	0.01	< 2	5	12	0.12	< 10	< 10	69	< 10	90
BB31454	201	202	295	< 1	0.01	22	210	14	< 0.01	< 2	4	11	0.10	< 10	< 10	68	< 10	78

CERTIFICATION:

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
Comments:

Certificate Date: 04-JUL-2000
Invoice No. : I0021612
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021612

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB31455	201	202	25	< 0.2	1.55	22	< 10	260	< 0.5	< 2	0.10	< 0.5	4	26	20	2.41	< 10	< 1	0.19	10	0.36
BB31456	201	202	5	0.4	2.09	12	< 10	440	< 0.5	< 2	0.08	< 0.5	8	33	18	3.36	< 10	< 1	0.16	10	0.53
BB31457	201	202	10	< 0.2	1.69	14	< 10	180	< 0.5	< 2	0.07	< 0.5	5	33	19	2.91	< 10	< 1	0.07	10	0.39
BB31458	201	202	10	< 0.2	1.15	4	< 10	200	< 0.5	< 2	0.06	< 0.5	3	21	16	1.96	< 10	< 1	0.12	10	0.29
BB31459	201	202	10	0.2	1.34	18	< 10	170	< 0.5	< 2	0.06	< 0.5	4	25	34	2.02	< 10	< 1	0.09	20	0.19
BB31460	201	202	< 5	< 0.2	1.25	8	< 10	190	< 0.5	< 2	0.08	< 0.5	4	21	36	2.21	< 10	< 1	0.12	10	0.27
BB31461	201	202	15	< 0.2	1.62	16	< 10	110	< 0.5	< 2	0.05	< 0.5	5	28	15	3.29	< 10	< 1	0.15	10	0.42
BB31462	201	202	20	< 0.2	1.83	32	< 10	470	< 0.5	< 2	0.22	< 0.5	9	37	43	3.84	< 10	< 1	0.41	30	0.65
BB31463	201	202	25	< 0.2	1.70	22	< 10	150	< 0.5	< 2	0.27	< 0.5	13	30	18	3.25	< 10	< 1	0.28	30	0.54
BB31464	201	202	35	< 0.2	1.15	18	< 10	100	< 0.5	< 2	0.11	< 0.5	5	24	17	2.43	< 10	< 1	0.19	30	0.34
BB31465	201	202	25	< 0.2	1.20	38	< 10	100	< 0.5	< 2	0.14	< 0.5	9	23	16	2.98	< 10	< 1	0.28	30	0.41
BB31466	201	202	80	< 0.2	0.69	38	< 10	80	< 0.5	< 2	0.07	< 0.5	8	17	23	2.93	< 10	< 1	0.12	40	0.12
BB31467	201	202	35	< 0.2	1.12	22	< 10	110	< 0.5	< 2	0.18	< 0.5	5	33	12	2.33	< 10	< 1	0.18	20	0.43
BB31468	201	202	15	< 0.2	1.08	10	< 10	90	< 0.5	< 2	0.15	< 0.5	3	21	7	1.40	< 10	< 1	0.12	10	0.41
BB31469	201	202	10	0.2	2.36	18	< 10	180	< 0.5	< 2	0.06	< 0.5	7	46	21	3.46	< 10	< 1	0.27	20	0.50
BB31470	201	202	35	< 0.2	1.91	14	< 10	150	< 0.5	< 2	0.12	< 0.5	8	39	16	4.15	< 10	< 1	0.10	< 10	0.54
BB31471	201	202	5	< 0.2	1.94	26	< 10	140	< 0.5	< 2	0.04	< 0.5	5	38	33	3.06	< 10	< 1	0.18	10	0.41
BB31472	201	202	10	0.2	2.38	22	< 10	140	0.5	2	0.13	< 0.5	8	41	27	3.82	< 10	< 1	0.14	30	0.58
BB31473	201	202	< 5	< 0.2	2.12	16	< 10	220	< 0.5	< 2	0.10	0.5	7	28	13	4.00	< 10	< 1	0.26	10	0.49
BB31474	201	202	10	< 0.2	1.63	34	< 10	180	0.5	< 2	0.08	< 0.5	7	35	29	3.29	< 10	< 1	0.32	30	0.39
BB31475	201	202	15	< 0.2	1.97	20	< 10	170	< 0.5	< 2	0.13	< 0.5	8	35	38	3.12	< 10	< 1	0.15	10	0.57
BB31476	201	202	80	0.2	1.81	34	< 10	260	< 0.5	< 2	0.14	< 0.5	6	41	34	3.03	< 10	< 1	0.26	40	0.35
BB31477	201	202	35	< 0.2	1.44	30	< 10	370	< 0.5	< 2	0.05	< 0.5	5	29	23	2.62	< 10	< 1	0.17	20	0.33
BB31478	201	202	5	0.2	2.00	16	< 10	340	< 0.5	< 2	0.07	< 0.5	5	27	21	3.10	< 10	< 1	0.11	10	0.35
BB31479	201	202	25	< 0.2	2.63	16	< 10	450	0.5	2	0.09	< 0.5	10	58	57	4.57	< 10	< 1	0.89	30	0.84
BB31480	201	202	15	< 0.2	2.39	14	< 10	180	< 0.5	< 2	0.09	< 0.5	9	43	23	3.54	< 10	< 1	0.09	10	0.49
BB31481	201	202	< 5	0.2	2.05	18	< 10	160	< 0.5	< 2	0.18	< 0.5	7	36	16	3.82	< 10	< 1	0.13	10	0.45
BB31482	201	202	15	0.4	1.77	20	< 10	200	< 0.5	< 2	0.10	0.5	6	36	17	3.20	< 10	< 1	0.09	10	0.46
BB31483	201	202	10	0.4	1.92	14	< 10	200	< 0.5	< 2	0.06	< 0.5	7	42	24	3.17	< 10	< 1	0.22	10	0.50
BB31484	201	202	20	< 0.2	1.71	32	< 10	420	< 0.5	< 2	0.10	0.5	7	40	27	3.02	< 10	< 1	0.34	30	0.54
BB31485	201	202	45	0.6	1.46	30	< 10	570	< 0.5	< 2	0.32	2.0	6	32	36	3.10	< 10	1	0.17	40	0.28
BB31486	201	202	15	0.2	1.08	4	< 10	240	< 0.5	< 2	0.16	< 0.5	3	24	11	1.64	< 10	< 1	0.14	10	0.36
BB31487	201	202	20	< 0.2	1.13	10	< 10	190	< 0.5	< 2	0.17	< 0.5	4	26	12	1.96	< 10	< 1	0.16	10	0.40
BB31488	201	202	35	< 0.2	1.52	44	< 10	160	< 0.5	< 2	0.18	< 0.5	9	31	25	3.14	< 10	< 1	0.16	30	0.49
BB31489	201	202	25	< 0.2	1.19	24	< 10	120	< 0.5	< 2	0.20	< 0.5	8	26	18	2.84	< 10	< 1	0.19	30	0.42
BB31490	201	202	15	< 0.2	1.85	28	< 10	200	< 0.5	< 2	0.10	< 0.5	7	36	23	2.96	< 10	< 1	0.07	10	0.42
BB31491	201	202	35	< 0.2	1.24	32	< 10	130	< 0.5	< 2	0.07	< 0.5	5	30	21	2.54	< 10	< 1	0.07	10	0.32
BB31492	201	202	20	< 0.2	2.43	38	< 10	250	< 0.5	< 2	0.11	< 0.5	8	39	27	3.45	< 10	< 1	0.06	10	0.49
BB31493	201	202	15	0.6	2.87	32	< 10	200	< 0.5	< 2	0.09	< 0.5	12	45	26	3.48	< 10	< 1	0.05	10	0.51
BB31494	201	202	< 5	< 0.2	2.65	110	< 10	250	< 0.5	< 2	0.09	< 0.5	11	40	28	3.84	< 10	< 1	0.08	10	0.56

CERTIFICATION: [signature]

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Page [redacted]er :5-B
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CERTIFICATE OF ANALYSIS A0021612

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB31455	201	202	145	< 1	0.01	15	390	6	0.01	< 2	2	13	0.06	< 10	< 10	47	< 10	54
BB31456	201	202	300	< 1	0.01	19	210	18	0.01	< 2	5	10	0.09	< 10	< 10	56	< 10	112
BB31457	201	202	185	1	0.01	18	360	30	0.01	< 2	1	10	0.06	< 10	< 10	68	< 10	74
BB31458	201	202	105	1	0.01	9	450	2	0.04	< 2	1	8	0.06	< 10	< 10	46	< 10	30
BB31459	201	202	90	1	0.01	15	850	26	0.05	< 2	< 1	11	0.01	< 10	< 10	37	< 10	38
BB31460	201	202	130	< 1	0.01	14	710	6	0.01	< 2	1	10	0.04	< 10	< 10	42	< 10	34
BB31461	201	202	215	< 1	0.01	16	350	6	0.01	< 2	3	7	0.11	< 10	< 10	67	< 10	48
BB31462	201	202	500	1	0.01	25	630	6	0.04	2	5	16	0.09	< 10	< 10	62	< 10	76
BB31463	201	202	440	3	0.01	17	740	14	0.04	2	3	13	0.10	< 10	< 10	42	< 10	82
BB31464	201	202	210	1	0.01	14	530	22	0.03	< 2	3	13	0.06	< 10	< 10	38	< 10	62
BB31465	201	202	305	1	0.01	17	640	20	0.03	< 2	3	11	0.07	< 10	< 10	30	< 10	68
BB31466	201	202	255	2	0.01	20	730	28	0.10	2	3	20	0.01	< 10	< 10	29	< 10	72
BB31467	201	202	195	2	0.01	18	630	14	0.05	6	2	16	0.07	< 10	< 10	29	< 10	66
BB31468	201	202	120	< 1	0.01	9	380	10	0.04	2	1	13	0.06	< 10	< 10	18	< 10	52
BB31469	201	202	175	< 1	0.01	21	320	14	< 0.01	< 2	4	10	0.11	< 10	< 10	84	< 10	82
BB31470	201	202	250	< 1	0.01	21	600	6	0.01	< 2	3	12	0.09	< 10	< 10	82	< 10	66
BB31471	201	202	140	< 1	0.01	18	330	8	0.01	< 2	3	7	0.08	< 10	< 10	69	< 10	52
BB31472	201	202	205	2	0.01	25	420	10	< 0.01	< 2	4	13	0.08	< 10	< 10	72	< 10	64
BB31473	201	202	475	< 1	0.01	14	930	14	< 0.01	2	5	11	0.11	< 10	< 10	75	< 10	76
BB31474	201	202	275	1	0.01	18	690	20	0.02	< 2	3	10	0.09	< 10	< 10	65	< 10	60
BB31475	201	202	275	< 1	0.01	22	320	10	< 0.01	< 2	4	13	0.08	< 10	< 10	57	< 10	58
BB31476	201	202	260	2	0.01	23	1010	16	0.04	< 2	3	27	0.04	< 10	< 10	62	< 10	64
BB31477	201	202	130	4	0.01	15	280	24	< 0.01	< 2	3	10	0.07	< 10	< 10	49	< 10	58
BB31478	201	202	300	2	0.01	15	320	20	0.01	< 2	4	10	0.06	< 10	< 10	61	< 10	72
BB31479	201	202	335	1	0.01	30	350	14	0.04	< 2	10	15	0.19	< 10	< 10	89	< 10	128
BB31480	201	202	190	< 1	0.01	26	330	10	< 0.01	< 2	4	12	0.07	< 10	< 10	71	< 10	74
BB31481	201	202	205	3	0.01	22	980	8	< 0.01	4	3	19	0.07	< 10	< 10	78	< 10	86
BB31482	201	202	185	1	0.01	19	400	6	< 0.01	2	3	12	0.10	< 10	< 10	81	< 10	66
BB31483	201	202	160	1	0.01	23	290	6	< 0.01	< 2	4	9	0.12	< 10	< 10	74	< 10	84
BB31484	201	202	160	1	0.01	26	480	20	0.01	< 2	4	13	0.12	< 10	< 10	68	< 10	186
BB31485	201	202	155	3	0.01	28	1070	16	0.06	< 2	3	37	0.04	< 10	< 10	55	< 10	124
BB31486	201	202	100	1	0.01	13	480	8	0.03	< 2	2	13	0.06	< 10	< 10	29	< 10	56
BB31487	201	202	135	1	0.01	13	610	10	0.02	< 2	2	12	0.06	< 10	< 10	36	< 10	56
BB31488	201	202	415	3	0.01	21	590	10	0.03	8	4	14	0.07	< 10	< 10	48	< 10	70
BB31489	201	202	290	1	0.01	18	800	12	0.04	6	3	13	0.07	< 10	< 10	38	< 10	74
BB31490	201	202	220	< 1	0.01	17	550	6	< 0.01	< 2	4	13	0.06	< 10	< 10	63	< 10	58
BB31491	201	202	130	< 1	0.01	16	330	6	< 0.01	< 2	3	13	0.06	< 10	< 10	57	30	48
BB31492	201	202	235	< 1	0.01	22	290	< 2	< 0.01	< 2	4	15	0.06	< 10	< 10	71	< 10	58
BB31493	201	202	285	2	0.01	22	280	8	< 0.01	< 2	6	13	0.08	< 10	< 10	71	< 10	64
BB31494	201	202	250	1	0.01	31	290	6	0.01	2	4	13	0.06	< 10	< 10	64	< 10	68

CERTIFICATION: [signature]

ALS Chemex

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To: EUREKA JOINT VENTURE
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
Comments:

Page Number :6-A
Total Pages :8
Certificate Date: 04-JUL-2000
Invoice No. :I0021612
P.O. Number :
Account :RDF

CERTIFICATE OF ANALYSIS A0021612

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB31495	201	202	10	< 0.2	2.22	28	< 10	140	< 0.5	< 2	0.09	< 0.5	5	39	15	3.20	< 10	< 1	0.05	10	0.40
BB31496	201	202	25	< 0.2	1.91	40	< 10	160	< 0.5	< 2	0.06	< 0.5	7	37	25	2.90	< 10	< 1	0.07	20	0.45
BB31497	201	202	10	< 0.2	1.98	12	< 10	170	< 0.5	< 2	0.12	< 0.5	8	39	29	2.88	< 10	< 1	0.22	20	0.57
BB31498	201	202	10	< 0.2	2.47	14	< 10	250	< 0.5	< 2	0.10	< 0.5	9	41	25	3.47	< 10	< 1	0.11	20	0.51
BB31499	201	202	20	< 0.2	1.66	20	< 10	130	< 0.5	< 2	0.03	< 0.5	3	32	18	3.37	< 10	< 1	0.26	20	0.37
BB31500	201	202	10	0.2	2.36	22	< 10	170	< 0.5	< 2	0.05	< 0.5	7	41	28	3.50	< 10	< 1	0.21	10	0.45
BB31501	201	202	20	< 0.2	1.92	30	< 10	190	< 0.5	< 2	0.11	< 0.5	8	38	26	3.00	< 10	< 1	0.07	10	0.48
BB31502	201	202	20	< 0.2	1.59	22	< 10	180	< 0.5	2	0.13	< 0.5	8	33	18	2.62	< 10	< 1	0.08	10	0.46
BB31503	201	202	10	0.2	1.63	30	< 10	320	< 0.5	< 2	0.16	< 0.5	6	31	23	2.59	< 10	< 1	0.10	10	0.39
BB31504	201	202	45	< 0.2	1.19	20	< 10	150	< 0.5	< 2	0.16	< 0.5	10	39	25	2.74	< 10	< 1	0.15	20	0.39
BB31505	201	202	15	< 0.2	1.77	20	< 10	220	< 0.5	< 2	0.14	< 0.5	7	34	20	2.79	< 10	< 1	0.08	10	0.48
BB31506	201	202	< 5	< 0.2	1.58	38	< 10	140	< 0.5	< 2	0.11	< 0.5	9	32	21	3.07	< 10	< 1	0.20	20	0.49
BB31507	201	202	30	< 0.2	1.18	36	< 10	140	< 0.5	< 2	0.10	< 0.5	7	26	15	2.56	< 10	< 1	0.09	10	0.33
BB31508	201	202	35	< 0.2	1.18	46	< 10	110	< 0.5	2	0.19	< 0.5	12	24	19	3.51	< 10	< 1	0.29	30	0.47
BB31509	201	202	10	< 0.2	1.44	22	< 10	190	< 0.5	< 2	0.12	< 0.5	8	30	14	2.75	< 10	< 1	0.06	10	0.30
BB31510	201	202	40	< 0.2	1.74	40	< 10	230	< 0.5	< 2	0.08	< 0.5	9	44	28	2.97	< 10	< 1	0.12	20	0.44
BB31511	201	202	50	< 0.2	0.91	36	< 10	360	< 0.5	< 2	0.11	< 0.5	6	47	26	2.01	< 10	< 1	0.23	20	0.36
BB31512	201	202	240	< 0.2	0.92	36	< 10	310	< 0.5	4	0.12	< 0.5	5	33	46	2.09	< 10	< 1	0.10	30	0.27
BB31513	201	202	160	< 0.2	0.89	46	< 10	110	< 0.5	< 2	0.01	< 0.5	1	40	38	1.95	< 10	< 1	0.11	40	0.15
BB31514	201	202	10	< 0.2	2.54	16	< 10	170	< 0.5	< 2	0.09	< 0.5	12	40	23	3.49	< 10	< 1	0.09	10	0.54
BB31515	201	202	15	< 0.2	1.86	14	< 10	240	< 0.5	< 2	0.15	< 0.5	9	37	27	2.84	< 10	< 1	0.05	10	0.57
BB31516	201	202	15	< 0.2	2.00	12	< 10	170	< 0.5	< 2	0.14	< 0.5	6	34	20	2.69	< 10	< 1	0.06	10	0.47
BB31517	201	202	< 5	< 0.2	1.91	12	< 10	150	< 0.5	< 2	0.08	< 0.5	6	29	14	3.47	< 10	< 1	0.07	10	0.35
BB31518	201	202	10	< 0.2	1.83	16	< 10	160	< 0.5	< 2	0.06	< 0.5	7	32	17	2.86	< 10	< 1	0.11	10	0.37
BB31519	201	202	20	< 0.2	1.38	18	< 10	120	< 0.5	< 2	0.06	< 0.5	5	26	19	2.42	< 10	< 1	0.09	10	0.33
BB31520	201	202	40	< 0.2	1.86	28	< 10	140	< 0.5	< 2	0.09	< 0.5	9	38	15	3.97	< 10	< 1	0.07	10	0.43
BB31521	201	202	25	< 0.2	1.37	22	< 10	140	< 0.5	< 2	0.07	< 0.5	6	35	21	2.69	< 10	< 1	0.13	10	0.38
BB31522	201	202	10	0.2	0.60	18	< 10	170	< 0.5	< 2	0.07	< 0.5	3	15	26	1.51	< 10	< 1	0.03	< 10	0.04
BB31523	201	202	< 5	< 0.2	0.95	8	< 10	160	< 0.5	< 2	0.06	< 0.5	4	18	9	2.05	< 10	< 1	0.05	10	0.12
BB31524	201	202	< 5	< 0.2	0.67	10	< 10	80	< 0.5	< 2	0.03	< 0.5	2	15	10	1.37	< 10	< 1	0.05	10	0.08
BB31525	201	202	10	< 0.2	0.60	2	< 10	150	< 0.5	< 2	0.12	< 0.5	1	17	23	0.71	< 10	< 1	0.06	10	0.08
BB31526	201	202	25	0.2	1.59	20	< 10	250	< 0.5	< 2	0.14	< 0.5	6	32	22	2.26	< 10	< 1	0.11	30	0.37
BB31527	201	202	20	< 0.2	1.70	54	< 10	160	0.5	< 2	0.19	< 0.5	9	32	23	3.27	< 10	< 1	0.50	40	0.59
BB31528	201	202	10	< 0.2	1.09	36	< 10	110	< 0.5	< 2	0.20	< 0.5	7	22	14	2.54	< 10	< 1	0.20	20	0.40
BB31529	201	202	5	0.2	1.24	24	< 10	170	< 0.5	< 2	0.16	< 0.5	5	25	19	2.03	< 10	< 1	0.06	10	0.34
BB31530	201	202	10	< 0.2	1.74	20	< 10	240	< 0.5	< 2	0.15	< 0.5	8	34	18	2.57	< 10	< 1	0.04	10	0.52
BB31531	201	202	20	< 0.2	2.10	52	< 10	260	< 0.5	< 2	0.11	< 0.5	13	39	25	3.52	< 10	< 1	0.06	10	0.50
BB31532	201	202	< 5	0.2	2.84	22	< 10	280	< 0.5	2	0.11	< 0.5	12	41	19	3.53	< 10	< 1	0.05	10	0.50
BB31533	201	202	5	< 0.2	2.98	82	< 10	300	< 0.5	< 2	0.15	0.5	14	191	35	3.98	< 10	< 1	0.06	10	0.99
BB31534	201	202	60	< 0.2	2.07	92	< 10	180	< 0.5	< 2	0.09	< 0.5	7	37	31	3.14	< 10	< 1	0.10	20	0.45

CERTIFICATION:

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WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
Comments:

Certificate Date: 04-JUL-2000
Invoice No. : I0021612
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021612

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB31495	201	202	160	1	0.01	15	260	8	< 0.01	< 2	3	11	0.07	< 10	< 10	76	< 10	46
BB31496	201	202	175	1	0.01	19	200	4	0.01	< 2	3	11	0.06	< 10	< 10	59	< 10	52
BB31497	201	202	215	< 1	0.01	22	430	6	< 0.01	< 2	4	12	0.09	< 10	< 10	56	< 10	68
BB31498	201	202	265	1	0.01	21	240	12	< 0.01	< 2	5	13	0.08	< 10	< 10	73	< 10	68
BB31499	201	202	150	2	0.01	20	550	10	< 0.01	< 2	3	7	0.16	< 10	< 10	103	< 10	86
BB31500	201	202	205	1	0.01	22	340	6	< 0.01	< 2	3	8	0.10	< 10	< 10	70	< 10	80
BB31501	201	202	265	1	0.01	20	320	8	< 0.01	< 2	4	14	0.07	< 10	< 10	64	30	64
BB31502	201	202	260	1	0.01	21	450	< 2	0.01	2	3	14	0.07	< 10	< 10	57	< 10	66
BB31503	201	202	185	< 1	0.01	18	580	10	0.01	< 2	3	17	0.07	< 10	< 10	59	< 10	74
BB31504	201	202	285	1	0.01	27	800	8	0.01	< 2	5	18	0.07	< 10	< 10	53	< 10	104
BB31505	201	202	170	< 1	0.01	19	230	6	< 0.01	< 2	4	14	0.07	< 10	< 10	57	< 10	78
BB31506	201	202	300	< 1	0.01	19	380	8	0.01	< 2	4	10	0.09	< 10	< 10	46	< 10	64
BB31507	201	202	245	1	0.01	14	370	8	0.01	2	2	12	0.07	< 10	< 10	56	< 10	64
BB31508	201	202	405	1	0.01	23	780	16	0.04	8	3	10	0.07	< 10	< 10	37	< 10	86
BB31509	201	202	335	2	0.01	14	540	6	< 0.01	2	3	13	0.07	< 10	< 10	66	< 10	58
BB31510	201	202	385	3	0.01	20	470	10	< 0.01	< 2	4	17	0.07	< 10	< 10	66	< 10	58
BB31511	201	202	175	2	0.01	22	410	8	< 0.01	< 2	8	17	0.04	< 10	< 10	50	< 10	58
BB31512	201	202	170	5	0.01	18	540	14	< 0.01	< 2	5	25	0.04	< 10	< 10	49	< 10	44
BB31513	201	202	100	4	< 0.01	9	510	10	< 0.01	< 2	3	9	0.04	< 10	< 10	51	< 10	26
BB31514	201	202	315	1	0.01	25	260	8	0.01	< 2	4	12	0.08	< 10	< 10	68	< 10	70
BB31515	201	202	325	< 1	0.01	22	280	6	< 0.01	< 2	5	18	0.07	< 10	< 10	60	< 10	62
BB31516	201	202	165	< 1	0.01	18	620	8	0.01	< 2	3	15	0.05	< 10	< 10	54	< 10	54
BB31517	201	202	225	1	0.01	14	330	10	0.01	< 2	3	11	0.06	< 10	< 10	64	< 10	56
BB31518	201	202	195	1	0.01	15	250	6	< 0.01	< 2	3	10	0.07	< 10	< 10	58	< 10	60
BB31519	201	202	140	1	0.01	15	260	6	< 0.01	< 2	3	9	0.05	< 10	< 10	43	< 10	54
BB31520	201	202	445	1	0.01	17	860	10	0.01	< 2	3	11	0.07	< 10	< 10	81	< 10	74
BB31521	201	202	170	1	0.01	27	400	6	0.01	< 2	3	10	0.10	< 10	< 10	68	< 10	94
BB31522	201	202	75	< 1	0.01	8	730	2	0.03	< 2	< 1	10	0.01	< 10	< 10	42	< 10	48
BB31523	201	202	205	< 1	0.01	8	530	6	0.01	< 2	1	9	0.06	< 10	< 10	60	< 10	36
BB31524	201	202	60	1	0.01	7	320	6	0.01	< 2	< 1	9	0.04	< 10	< 10	49	< 10	30
BB31525	201	202	40	< 1	0.01	6	360	6	0.03	< 2	< 1	17	0.01	< 10	< 10	14	< 10	20
BB31526	201	202	150	< 1	0.01	19	510	6	0.03	< 2	4	20	0.04	< 10	< 10	53	< 10	68
BB31527	201	202	365	1	0.01	23	450	8	0.01	< 2	5	12	0.13	< 10	< 10	43	< 10	88
BB31528	201	202	255	1	0.01	16	720	12	0.04	6	3	12	0.06	< 10	< 10	34	< 10	66
BB31529	201	202	110	2	0.01	12	820	6	0.03	< 2	1	18	0.04	< 10	< 10	34	< 10	52
BB31530	201	202	230	2	0.01	18	190	10	< 0.01	< 2	3	19	0.06	< 10	< 10	55	< 10	52
BB31531	201	202	365	1	0.01	23	660	8	0.01	< 2	4	16	0.06	< 10	< 10	72	< 10	64
BB31532	201	202	350	2	0.01	28	670	4	0.01	< 2	4	13	0.06	< 10	< 10	77	< 10	66
BB31533	201	202	240	1	0.01	120	330	14	< 0.01	< 2	6	17	0.09	< 10	< 10	84	< 10	192
BB31534	201	202	215	1	0.01	17	370	8	0.02	< 2	4	13	0.06	< 10	< 10	62	< 10	56

CERTIFICATION: [signature]

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CERTIFICATE OF ANALYSIS A0021612

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB31535	201	202	20	< 0.2	1.85	22	< 10	290	< 0.5	< 2	0.16	< 0.5	10	36	31	2.76	< 10	< 1	0.04	20	0.55
BB31536	201	202	60	< 0.2	1.11	16	< 10	190	< 0.5	< 2	0.11	< 0.5	5	25	18	2.24	< 10	< 1	0.04	10	0.33
BB31537	201	202	20	< 0.2	2.44	18	< 10	260	< 0.5	< 2	0.12	< 0.5	10	44	25	3.26	< 10	< 1	0.06	10	0.56
BB31538	201	202	< 5	< 0.2	1.60	18	< 10	120	< 0.5	< 2	0.05	< 0.5	4	30	23	3.45	< 10	< 1	0.12	10	0.38
BB31539	201	202	< 5	0.8	2.18	14	< 10	330	< 0.5	< 2	0.08	< 0.5	10	35	22	3.95	< 10	< 1	0.05	10	0.36
BB31540	201	202	< 5	< 0.2	2.21	10	< 10	220	< 0.5	< 2	0.08	< 0.5	7	37	18	3.28	< 10	< 1	0.04	< 10	0.42
BB31541	201	202	< 5	< 0.2	2.20	24	< 10	240	< 0.5	< 2	0.11	< 0.5	8	40	28	3.04	< 10	< 1	0.05	10	0.55
BB31542	201	202	5	0.8	2.53	18	< 10	280	< 0.5	< 2	0.14	< 0.5	9	37	12	2.93	< 10	< 1	0.04	< 10	0.49
BB31543	201	202	80	< 0.2	1.45	42	< 10	400	< 0.5	< 2	0.13	< 0.5	7	29	21	2.75	< 10	< 1	0.05	10	0.37
BB31544	201	202	15	0.2	2.04	20	< 10	390	< 0.5	< 2	0.16	< 0.5	9	37	18	3.00	< 10	< 1	0.08	10	0.51
BB31545	201	202	10	0.6	1.94	32	< 10	370	< 0.5	< 2	0.14	< 0.5	9	33	19	2.89	< 10	< 1	0.06	10	0.48
BB31546	201	202	5	0.2	1.76	32	< 10	240	< 0.5	< 2	0.08	< 0.5	8	31	19	2.92	< 10	< 1	0.07	10	0.38
BB31547	201	202	10	< 0.2	1.24	38	< 10	320	< 0.5	< 2	0.14	< 0.5	6	28	16	2.50	< 10	< 1	0.08	10	0.30
BB31548	201	202	10	0.2	1.69	22	< 10	190	< 0.5	< 2	0.10	< 0.5	6	30	14	2.75	< 10	< 1	0.07	10	0.35
BB31549	201	202	20	0.6	2.04	28	< 10	320	0.5	< 2	0.18	< 0.5	10	35	28	3.11	< 10	< 1	0.09	10	0.37
BB31550	201	202	10	< 0.2	1.64	26	< 10	250	< 0.5	< 2	0.23	< 0.5	8	29	15	2.71	< 10	< 1	0.11	10	0.48
BB31551	201	202	30	0.2	1.71	62	< 10	280	0.5	< 2	0.42	< 0.5	12	38	28	3.47	< 10	< 1	0.32	30	0.55
BB31552	201	202	< 5	< 0.2	1.04	28	< 10	110	< 0.5	< 2	0.20	< 0.5	6	20	12	2.05	< 10	< 1	0.12	10	0.38
BB31553	201	202	70	< 0.2	1.26	20	< 10	230	< 0.5	2	0.15	< 0.5	7	27	23	2.17	< 10	< 1	0.05	10	0.37
BB31554	201	202	30	< 0.2	1.46	32	< 10	330	< 0.5	< 2	0.15	< 0.5	9	29	23	2.65	< 10	< 1	0.06	10	0.37
BB31555	201	202	120	0.2	0.80	116	< 10	550	< 0.5	< 2	0.04	< 0.5	12	18	38	3.06	< 10	< 1	0.06	30	0.12
BB31556	201	202	15	< 0.2	1.26	32	< 10	160	< 0.5	< 2	0.09	< 0.5	4	23	11	2.03	< 10	< 1	0.04	10	0.22
BB31557	201	202	60	0.2	1.01	40	< 10	230	< 0.5	< 2	0.15	< 0.5	6	26	31	2.30	< 10	< 1	0.14	30	0.28
BB31558	201	202	70	< 0.2	1.94	38	< 10	240	< 0.5	< 2	0.14	< 0.5	7	34	18	2.81	< 10	< 1	0.06	10	0.42
BB31559	201	202	35	< 0.2	1.89	16	< 10	200	< 0.5	< 2	0.17	< 0.5	7	32	21	2.49	< 10	< 1	0.05	10	0.49
BB31560	201	202	< 5	< 0.2	2.86	16	< 10	110	0.5	< 2	0.11	< 0.5	11	41	18	4.74	< 10	< 1	0.56	10	0.88
BB31561	201	202	10	< 0.2	2.59	14	< 10	240	0.5	< 2	0.11	< 0.5	9	47	29	3.54	< 10	< 1	0.10	20	0.56
BB31562	201	202	< 5	0.2	3.05	2	< 10	220	0.5	< 2	0.08	< 0.5	14	40	17	4.49	< 10	< 1	0.70	30	0.81
BB31563	201	202	10	< 0.2	2.69	12	< 10	200	0.5	< 2	0.08	< 0.5	13	48	18	3.71	< 10	< 1	0.26	10	0.65
BB31564	201	202	< 5	< 0.2	2.70	10	< 10	180	0.5	< 2	0.14	< 0.5	10	44	15	3.60	< 10	< 1	0.54	30	0.74
BB31565	201	202	10	< 0.2	1.96	6	< 10	120	< 0.5	< 2	0.09	< 0.5	6	31	11	2.93	< 10	< 1	0.22	10	0.55
BB31566	201	202	< 5	< 0.2	2.05	10	< 10	140	< 0.5	< 2	0.09	< 0.5	6	31	10	3.05	< 10	< 1	0.12	10	0.50
BB31567	201	202	10	1.4	2.45	8	< 10	240	0.5	< 2	0.12	< 0.5	7	43	23	3.04	< 10	< 1	0.05	10	0.49
BB31568	201	202	5	< 0.2	2.76	14	< 10	160	< 0.5	< 2	0.07	< 0.5	8	40	27	4.05	< 10	< 1	0.31	10	0.57
BB31569	201	202	10	< 0.2	2.26	8	< 10	120	< 0.5	< 2	0.10	< 0.5	7	33	12	3.11	< 10	< 1	0.12	10	0.59
BB31570	201	202	10	< 0.2	2.76	10	< 10	210	0.5	2	0.09	< 0.5	9	44	16	3.71	< 10	< 1	0.08	10	0.55
BB31571	201	202	< 5	< 0.2	3.57	6	< 10	150	0.5	< 2	0.04	< 0.5	12	66	23	5.32	10	< 1	0.77	< 10	1.01
BB31572	201	202	< 5	< 0.2	2.65	12	< 10	160	0.5	< 2	0.06	< 0.5	12	40	19	4.34	< 10	< 1	0.10	10	0.54
BB31573	201	202	5	< 0.2	2.71	14	< 10	160	1.0	< 2	0.07	< 0.5	9	36	18	3.96	< 10	< 1	0.38	30	0.76
BB31574	201	202	20	< 0.2	1.79	6	< 10	110	< 0.5	< 2	0.08	< 0.5	7	32	12	2.92	< 10	< 1	0.09	10	0.50

CERTIFICATION: [signature]

ALS Chemex

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Analytical Chemists * Geochemists * Registered Assayers
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EUREKA JOINT VENTURE
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
Comments:

Page Number :7-B
Total Pages :8
Certificate Date: 04-JUL-2000
Invoice No. :I0021612
P.O. Number :
Account :RDF

CERTIFICATE OF ANALYSIS A0021612

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BB31535	201	202	325	1	0.01	22	230	6	< 0.01	< 2	6	19	0.06	< 10	< 10	55	< 10	58
BB31536	201	202	150	< 1	0.01	13	260	6	0.01	< 2	3	18	0.04	< 10	< 10	40	< 10	48
BB31537	201	202	245	1	0.01	25	170	8	0.01	2	6	18	0.07	< 10	< 10	65	< 10	64
BB31538	201	202	135	1	0.01	10	400	12	< 0.01	< 2	3	7	0.08	< 10	< 10	66	< 10	40
BB31539	201	202	660	3	0.01	18	830	10	0.03	< 2	3	11	0.07	< 10	< 10	77	< 10	62
BB31540	201	202	225	1	0.01	16	350	2	0.01	6	3	11	0.06	< 10	< 10	76	< 10	52
BB31541	201	202	210	1	0.01	23	180	6	< 0.01	2	4	17	0.07	< 10	< 10	69	< 10	64
BB31542	201	202	215	< 1	< 0.01	20	170	8	< 0.01	< 2	3	17	0.07	< 10	< 10	71	< 10	48
BB31543	201	202	160	4	< 0.01	19	360	16	< 0.01	< 2	3	22	0.04	< 10	< 10	67	< 10	54
BB31544	201	202	225	1	< 0.01	22	240	14	< 0.01	< 2	3	21	0.05	< 10	< 10	69	< 10	54
BB31545	201	202	200	< 1	< 0.01	21	290	14	0.01	< 2	3	22	0.05	< 10	< 10	62	< 10	50
BB31546	201	202	185	< 1	< 0.01	20	520	14	0.01	< 2	3	15	0.05	< 10	< 10	65	< 10	50
BB31547	201	202	165	1	< 0.01	17	570	14	0.01	< 2	3	22	0.06	< 10	< 10	58	< 10	42
BB31548	201	202	195	1	< 0.01	15	440	12	0.01	< 2	3	15	0.06	< 10	< 10	65	< 10	44
BB31549	201	202	290	< 1	0.01	22	400	12	0.01	< 2	4	22	0.06	< 10	< 10	66	< 10	52
BB31550	201	202	325	< 1	< 0.01	18	480	20	< 0.01	2	3	21	0.07	< 10	< 10	59	< 10	82
BB31551	201	202	575	< 1	< 0.01	31	670	22	0.01	4	6	28	0.10	< 10	< 10	51	< 10	98
BB31552	201	202	215	< 1	< 0.01	14	650	10	0.03	2	2	14	0.06	< 10	< 10	30	< 10	56
BB31553	201	202	235	4	< 0.01	16	490	10	< 0.01	< 2	3	20	0.06	< 10	< 10	43	< 10	52
BB31554	201	202	360	3	< 0.01	17	580	14	0.01	< 2	2	29	0.06	< 10	< 10	62	< 10	54
BB31555	201	202	530	9	< 0.01	12	1170	26	0.01	2	2	59	0.04	< 10	< 10	54	< 10	36
BB31556	201	202	165	3	< 0.01	10	420	14	0.01	< 2	< 1	15	0.04	< 10	< 10	62	< 10	38
BB31557	201	202	165	1	< 0.01	17	730	18	0.02	< 2	3	23	0.05	< 10	< 10	45	< 10	64
BB31558	201	202	275	< 1	< 0.01	17	550	12	< 0.01	< 2	3	22	0.05	< 10	< 10	60	< 10	58
BB31559	201	202	190	< 1	< 0.01	19	560	10	0.01	< 2	3	19	0.06	< 10	< 10	50	< 10	60
BB31560	201	202	265	< 1	< 0.01	25	420	16	0.01	< 2	4	10	0.17	< 10	< 10	57	< 10	66
BB31561	201	202	300	1	< 0.01	24	170	16	< 0.01	< 2	7	16	0.09	< 10	< 10	65	< 10	52
BB31562	201	202	285	< 1	< 0.01	32	210	10	< 0.01	< 2	4	10	0.18	< 10	< 10	50	< 10	80
BB31563	201	202	395	< 1	< 0.01	27	240	14	< 0.01	< 2	5	11	0.14	< 10	< 10	65	< 10	64
BB31564	201	202	360	< 1	< 0.01	21	350	12	< 0.01	< 2	5	17	0.18	< 10	< 10	61	< 10	58
BB31565	201	202	230	< 1	< 0.01	15	200	10	< 0.01	< 2	3	11	0.13	< 10	< 10	50	< 10	46
BB31566	201	202	210	< 1	< 0.01	15	160	10	< 0.01	2	3	11	0.11	< 10	< 10	58	< 10	44
BB31567	201	202	210	< 1	< 0.01	20	160	8	< 0.01	< 2	6	17	0.09	< 10	< 10	68	< 10	42
BB31568	201	202	215	< 1	< 0.01	19	250	12	< 0.01	< 2	4	11	0.13	< 10	< 10	66	< 10	56
BB31569	201	202	220	< 1	< 0.01	17	270	10	< 0.01	2	3	11	0.07	< 10	< 10	49	< 10	52
BB31570	201	202	295	< 1	< 0.01	21	220	14	< 0.01	< 2	4	12	0.09	< 10	< 10	65	< 10	56
BB31571	201	202	515	< 1	< 0.01	34	330	20	< 0.01	2	7	7	0.30	< 10	< 10	71	10	92
BB31572	201	202	375	1	< 0.01	21	220	12	< 0.01	< 2	3	8	0.05	< 10	< 10	51	< 10	56
BB31573	201	202	320	< 1	< 0.01	23	240	30	< 0.01	< 2	4	9	0.08	< 10	< 10	31	< 10	112
BB31574	201	202	190	< 1	< 0.01	17	150	8	< 0.01	< 2	3	10	0.08	< 10	< 10	54	< 10	48

CERTIFICATION:

ALS Chemex

Aurora Laboratory Services Ltd.
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EUREKA JOINT VENTURE
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Project : EUREKA JV
Comments:

Certificate Date: 04-JUL-2000
Invoice No. : I0021612
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021612

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B 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 %
BB31575	201	202	< 5	< 0.2	2.68	10	< 10	180	< 0.5	< 2	0.08	< 0.5	10	39	13	3.53	< 10	< 1	0.05	10	0.45
BB31576	201	202	10	< 0.2	2.33	10	< 10	200	0.5	< 2	0.13	< 0.5	9	36	16	3.19	< 10	< 1	0.13	20	0.61
BB31577	201	202	< 5	< 0.2	4.26	2	< 10	280	1.0	< 2	0.13	< 0.5	14	71	22	4.67	10	< 1	0.74	40	1.09
BB31578	201	202	10	< 0.2	2.10	8	< 10	120	0.5	< 2	0.07	< 0.5	8	30	16	3.60	< 10	< 1	0.39	20	0.57
BB31579	201	202	20	< 0.2	1.98	12	< 10	130	< 0.5	< 2	0.07	< 0.5	7	34	11	3.39	< 10	< 1	0.06	10	0.43
BB31580	201	202	15	< 0.2	2.55	8	< 10	150	0.5	< 2	0.07	< 0.5	12	44	14	3.62	< 10	< 1	0.34	< 10	0.67
BB31581	201	202	40	< 0.2	3.72	8	< 10	180	0.5	< 2	0.04	< 0.5	11	54	18	4.67	10	< 1	0.43	< 10	0.83
BB31582	201	202	< 5	< 0.2	3.02	10	< 10	220	0.5	< 2	0.07	< 0.5	11	44	18	3.56	< 10	< 1	0.21	10	0.64
BB31583	201	202	15	< 0.2	2.11	14	< 10	150	0.5	< 2	0.09	< 0.5	10	32	17	3.14	< 10	< 1	0.20	10	0.52
BB31584	201	202	5	0.2	2.17	2	< 10	110	0.5	< 2	0.12	< 0.5	10	35	19	3.45	< 10	< 1	0.48	30	0.71
BB31585	201	202	30	< 0.2	2.23	46	< 10	270	< 0.5	< 2	0.12	< 0.5	10	34	22	3.74	< 10	< 1	0.08	10	0.50
BB31586	201	202	40	< 0.2	1.46	38	< 10	210	< 0.5	2	0.10	< 0.5	8	30	23	2.44	< 10	< 1	0.05	10	0.43
BB31587	201	202	< 5	0.2	2.26	20	< 10	290	< 0.5	< 2	0.13	< 0.5	8	38	18	3.25	< 10	< 1	0.04	10	0.53
BB31588	201	202	< 5	< 0.2	2.11	14	< 10	280	< 0.5	< 2	0.12	< 0.5	8	38	23	3.01	< 10	< 1	0.04	< 10	0.51
BB31589	201	202	< 5	< 0.2	2.43	18	< 10	410	< 0.5	< 2	0.15	< 0.5	11	36	13	3.33	< 10	< 1	0.04	< 10	0.45
BB31590	201	202	< 5	< 0.2	1.56	12	< 10	280	< 0.5	< 2	0.26	< 0.5	8	33	26	2.53	< 10	< 1	0.04	10	0.52
BB31591	201	202	500	< 0.2	1.76	20	< 10	190	< 0.5	2	0.11	< 0.5	14	31	19	2.96	< 10	< 1	0.05	10	0.41
BB31592	201	202	20	< 0.2	1.00	50	< 10	280	0.5	< 2	0.09	< 0.5	11	53	43	3.05	< 10	< 1	0.04	10	0.21
BB31593	201	202	25	0.2	1.14	20	< 10	270	< 0.5	< 2	0.16	< 0.5	7	21	12	1.83	< 10	< 1	0.04	10	0.29
BB31594	201	202	25	0.4	2.03	26	< 10	480	< 0.5	< 2	0.17	< 0.5	7	35	24	3.06	< 10	< 1	0.07	10	0.38

CERTIFICATION:

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Project : EUREKA JV
Comments:

Page [redacted]er :8-B
Total [redacted] :8
Certificate Date: 04-JUL-2000
Invoice No. :I0021612
P.O. Number :
Account :RDF

CERTIFICATE OF ANALYSIS A0021612

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB31575	201	202	285	< 1	< 0.01	20	240	12	0.01	2	3	11	0.08	< 10	< 10	67	< 10	48
BB31576	201	202	255	< 1	< 0.01	20	210	14	< 0.01	< 2	5	15	0.10	< 10	< 10	54	10	54
BB31577	201	202	560	< 1	0.01	31	120	10	< 0.01	< 2	9	17	0.28	< 10	< 10	65	< 10	74
BB31578	201	202	195	< 1	< 0.01	19	370	10	< 0.01	< 2	3	9	0.16	< 10	< 10	53	< 10	54
BB31579	201	202	235	< 1	< 0.01	15	250	12	< 0.01	< 2	3	10	0.08	< 10	< 10	61	< 10	46
BB31580	201	202	625	< 1	< 0.01	20	260	14	0.01	< 2	4	9	0.13	< 10	< 10	56	< 10	54
BB31581	201	202	400	< 1	< 0.01	26	230	14	< 0.01	< 2	6	7	0.12	< 10	< 10	58	< 10	60
BB31582	201	202	305	< 1	< 0.01	26	180	12	< 0.01	< 2	4	10	0.10	< 10	< 10	54	< 10	64
BB31583	201	202	250	< 1	< 0.01	21	230	12	< 0.01	< 2	3	11	0.08	< 10	< 10	46	10	58
BB31584	201	202	245	< 1	< 0.01	22	380	12	< 0.01	< 2	4	11	0.12	< 10	< 10	39	< 10	68
BB31585	201	202	500	< 1	< 0.01	22	590	10	< 0.01	< 2	3	15	0.04	< 10	< 10	62	< 10	74
BB31586	201	202	215	< 1	< 0.01	19	180	12	< 0.01	< 2	4	14	0.05	< 10	< 10	47	< 10	52
BB31587	201	202	250	< 1	< 0.01	21	240	8	< 0.01	2	3	16	0.06	< 10	< 10	70	< 10	58
BB31588	201	202	260	< 1	< 0.01	21	180	12	< 0.01	< 2	3	16	0.05	< 10	< 10	63	< 10	54
BB31589	201	202	405	< 1	< 0.01	20	570	12	< 0.01	< 2	3	20	0.04	< 10	< 10	72	< 10	86
BB31590	201	202	300	< 1	< 0.01	20	530	10	< 0.01	< 2	4	24	0.07	< 10	< 10	51	< 10	54
BB31591	201	202	495	< 1	< 0.01	21	520	10	< 0.01	2	3	12	0.06	< 10	< 10	63	< 10	58
BB31592	201	202	295	1	< 0.01	25	800	10	< 0.01	< 2	7	14	0.04	< 10	< 10	66	< 10	88
BB31593	201	202	250	1	< 0.01	12	570	10	0.03	< 2	1	18	0.03	< 10	< 10	36	< 10	46
BB31594	201	202	150	3	< 0.01	18	640	12	0.02	< 2	3	23	0.03	< 10	< 10	55	< 10	70

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To: EUREKA JOINT VENTURE
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Project : EUREKA
Comments:

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Account : RDF

CERTIFICATE OF ANALYSIS A0021609

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
N112520	205	226	10	-----	< 0.2	0.22	132	< 10	190	< 0.5	< 2	< 0.01	< 0.5	< 1	122	40	2.33	< 10	< 1	0.07	< 10
N112521	205	226	>10000	14.42	59.0	0.81	4190	< 10	120	< 0.5	6	0.01	3.5	< 1	20	70	>15.00	10	< 1	0.10	< 10
N112522	205	226	80	-----	1.6	0.77	242	< 10	690	< 0.5	< 2	< 0.01	0.5	13	63	66	10.75	< 10	< 1	0.12	30
N112523	205	226	130	-----	2.2	0.40	130	< 10	760	< 0.5	< 2	< 0.01	1.5	30	55	25	6.17	< 10	< 1	0.04	10
N114851	205	226	< 5	-----	0.6	0.05	22	< 10	30	< 0.5	< 2	< 0.01	< 0.5	1	204	12	1.07	< 10	< 1	0.01	< 10
N114852	205	226	235	-----	9.4	0.31	1215	< 10	180	< 0.5	< 2	0.01	< 0.5	7	101	116	6.35	< 10	4	0.05	< 10
N114853	205	226	< 5	-----	0.4	0.12	6	< 10	100	< 0.5	< 2	< 0.01	< 0.5	1	164	7	0.42	< 10	< 1	0.03	< 10
N114854	205	226	15	-----	0.8	0.27	104	< 10	220	< 0.5	< 2	0.01	< 0.5	1	118	15	1.69	< 10	< 1	0.19	10
N114855	205	226	285	-----	0.6	0.27	32	< 10	180	< 0.5	< 2	0.01	< 0.5	1	35	25	1.75	< 10	< 1	0.26	40
N114856	205	226	75	-----	0.2	0.17	210	< 10	50	< 0.5	< 2	0.01	< 0.5	1	86	10	2.10	< 10	5	0.07	< 10
N114857	205	226	850	-----	9.2	0.33	284	< 10	260	0.5	2	0.04	2.0	111	149	81	3.23	< 10	< 1	0.06	20
N114858	205	226	130	-----	0.2	0.28	26	< 10	50	< 0.5	< 2	0.01	< 0.5	5	149	15	0.86	< 10	1	0.11	10
N114859	205	226	3970	-----	3.2	0.21	74	< 10	70	< 0.5	< 2	0.01	< 0.5	3	87	24	3.59	< 10	< 1	0.13	< 10
N114860	205	226	20	-----	0.6	0.75	8	< 10	170	< 0.5	< 2	0.17	< 0.5	4	148	19	1.25	< 10	< 1	0.14	10
N114861	205	226	15	-----	0.4	0.24	132	< 10	360	< 0.5	< 2	< 0.01	< 0.5	< 1	122	10	0.93	< 10	< 1	0.05	< 10
N114862	205	226	5	-----	0.2	0.46	578	< 10	370	0.5	< 2	0.03	0.5	13	80	91	8.51	< 10	< 1	0.04	10
N114863	205	226	20	-----	< 0.2	0.29	194	< 10	140	< 0.5	< 2	< 0.01	< 0.5	1	100	38	4.77	< 10	< 1	0.04	10
N114864	205	226	45	-----	0.2	0.36	286	< 10	70	2.0	< 2	< 0.01	0.5	2	73	120	10.05	< 10	1	0.06	10
N114865	205	226	40	-----	0.4	0.33	128	< 10	370	0.5	< 2	< 0.01	0.5	16	95	74	4.98	< 10	< 1	0.10	< 10
N114866	205	226	5	-----	0.2	0.34	186	< 10	260	< 0.5	< 2	< 0.01	< 0.5	3	89	58	6.54	< 10	< 1	0.04	< 10
N114867	205	226	10	-----	0.4	0.47	116	< 10	290	< 0.5	< 2	0.01	0.5	5	84	92	11.55	< 10	< 1	0.01	10
N114868	205	273	45	-----	0.2	1.60	16	< 10	190	< 0.5	< 2	0.09	< 0.5	5	57	28	2.65	< 10	< 1	0.42	10
N114869	205	273	740	-----	0.2	0.72	16	< 10	190	0.5	< 2	0.06	< 0.5	4	68	39	2.58	< 10	< 1	0.16	10
N114870	205	273	10	-----	0.2	0.81	12	< 10	160	0.5	< 2	0.11	< 0.5	5	73	38	1.44	< 10	< 1	0.23	10
N114871	205	273	15	-----	< 0.2	1.08	8	< 10	130	< 0.5	< 2	0.12	< 0.5	4	83	28	1.89	< 10	< 1	0.40	20
N114872	205	273	< 5	-----	< 0.2	1.23	12	< 10	170	< 0.5	< 2	0.07	< 0.5	4	61	21	2.10	< 10	< 1	0.35	10
N114873	205	273	< 5	-----	< 0.2	1.61	14	< 10	230	0.5	< 2	0.13	< 0.5	4	44	23	2.48	< 10	< 1	0.47	10
N114874	205	273	10	-----	< 0.2	1.27	14	< 10	200	< 0.5	< 2	0.08	< 0.5	4	90	19	2.28	< 10	< 1	0.38	10
N114875	205	273	20	-----	0.2	1.02	18	< 10	140	0.5	< 2	0.07	< 0.5	5	76	34	2.47	< 10	< 1	0.24	10
N114876	205	273	5	-----	0.2	0.81	22	< 10	150	< 0.5	< 2	0.04	< 0.5	4	108	32	3.90	< 10	< 1	0.16	10
N114877	205	226	25	-----	< 0.2	0.65	16	< 10	120	< 0.5	< 2	0.02	< 0.5	3	74	30	2.69	< 10	< 1	0.12	10
N114878	205	226	3500	-----	< 0.2	0.87	28	< 10	150	0.5	< 2	0.04	< 0.5	6	81	50	5.03	< 10	< 1	0.12	10
N114879	205	226	35	-----	0.6	0.45	32	< 10	170	< 0.5	< 2	0.03	0.5	11	83	21	3.35	< 10	< 1	0.14	10
N114880	205	226	95	-----	1.4	0.23	22	< 10	240	< 0.5	< 2	0.06	< 0.5	3	118	10	1.64	< 10	< 1	0.09	10

CERTIFICATION: [signature]

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Project : EUREKA
Comments:

Page Number : 1-B
Total : 1
Certificate Date: 05-JUL-2000
Invoice No. : I0021609
P.O. Number :
Account : RDF

CERTIFICATE OF ANALYSIS A0021609

SAMPLE	PREP CODE		Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N112520	205	226	< 0.01	15	2	< 0.01	8	760	28	< 0.01	8	2	77	< 0.01	< 10	< 10	34	< 10	38
N112521	205	226	0.01	90	19	< 0.01	70	2030	48	0.11	2	9	7	< 0.01	< 10	< 10	41	< 10	656
N112522	205	226	0.01	660	3	< 0.01	41	3040	18	< 0.01	< 2	5	33	< 0.01	< 10	< 10	45	< 10	134
N112523	205	226	< 0.01	3170	3	< 0.01	113	1260	6	< 0.01	< 2	1	2	< 0.01	< 10	< 10	28	< 10	336
N114851	205	226	< 0.01	80	< 1	< 0.01	5	190	6	< 0.01	2	< 1	3	< 0.01	< 10	< 10	5	< 10	10
N114852	205	226	< 0.01	140	1	< 0.01	9	650	112	0.01	30	4	34	< 0.01	< 10	< 10	54	< 10	36
N114853	205	226	< 0.01	15	< 1	< 0.01	3	70	28	< 0.01	< 2	< 1	7	< 0.01	< 10	< 10	6	< 10	6
N114854	205	226	0.01	40	1	< 0.01	5	530	10	0.19	4	1	16	< 0.01	< 10	< 10	16	< 10	18
N114855	205	226	< 0.01	160	1	< 0.01	6	290	< 2	< 0.01	< 2	5	8	< 0.01	< 10	< 10	11	< 10	18
N114856	205	226	< 0.01	70	3	< 0.01	5	240	6	< 0.01	18	1	64	< 0.01	< 10	< 10	8	< 10	24
N114857	205	226	0.02	4040	48	< 0.01	47	1250	3390	0.02	2	1	21	< 0.01	< 10	< 10	10	< 10	46
N114858	205	226	0.02	130	< 1	< 0.01	5	180	6	< 0.01	< 2	2	19	< 0.01	< 10	< 10	8	< 10	16
N114859	205	226	0.01	310	2	< 0.01	17	610	168	0.05	2	< 1	8	< 0.01	< 10	< 10	7	< 10	298
N114860	205	226	0.41	120	< 1	< 0.01	18	620	10	< 0.01	< 2	1	8	< 0.01	< 10	< 10	31	< 10	50
N114861	205	226	< 0.01	35	< 1	< 0.01	2	380	12	< 0.01	< 2	< 1	34	< 0.01	< 10	< 10	16	< 10	8
N114862	205	226	< 0.01	110	5	< 0.01	35	1740	790	< 0.01	6	2	30	< 0.01	< 10	< 10	71	< 10	148
N114863	205	226	< 0.01	25	5	< 0.01	25	1320	14	< 0.01	2	< 1	10	< 0.01	< 10	< 10	26	< 10	158
N114864	205	226	< 0.01	80	4	< 0.01	64	2820	26	< 0.01	6	4	7	< 0.01	< 10	< 10	71	< 10	312
N114865	205	226	< 0.01	2330	3	< 0.01	37	1420	6	< 0.01	2	3	4	< 0.01	< 10	< 10	24	< 10	146
N114866	205	226	< 0.01	35	4	< 0.01	35	1840	8	< 0.01	2	< 1	19	< 0.01	< 10	< 10	32	< 10	212
N114867	205	226	< 0.01	185	4	< 0.01	68	3120	6	< 0.01	6	1	16	< 0.01	< 10	< 10	59	< 10	316
N114868	205	273	0.40	215	< 1	< 0.01	17	260	8	< 0.01	< 2	6	8	0.07	< 10	< 10	19	< 10	124
N114869	205	273	0.10	65	1	< 0.01	20	440	54	0.03	< 2	4	12	0.01	< 10	< 10	27	< 10	64
N114870	205	273	0.14	50	< 1	< 0.01	18	520	46	0.08	< 2	4	10	0.02	< 10	< 10	30	< 10	70
N114871	205	273	0.27	60	< 1	< 0.01	16	570	18	< 0.01	< 2	4	9	0.05	< 10	< 10	36	< 10	62
N114872	205	273	0.30	170	< 1	< 0.01	14	230	10	< 0.01	< 2	5	7	0.05	< 10	< 10	17	< 10	92
N114873	205	273	0.47	255	< 1	< 0.01	12	320	6	< 0.01	< 2	6	6	0.07	< 10	< 10	15	< 10	120
N114874	205	273	0.30	180	< 1	< 0.01	14	280	10	< 0.01	< 2	5	7	0.05	< 10	< 10	19	< 10	98
N114875	205	273	0.18	130	1	< 0.01	18	400	18	< 0.01	< 2	6	8	0.04	< 10	< 10	29	< 10	96
N114876	205	273	0.10	95	< 1	< 0.01	28	430	10	< 0.01	< 2	5	10	0.02	< 10	< 10	26	< 10	80
N114877	205	226	0.06	40	1	< 0.01	23	430	6	< 0.01	< 2	4	9	0.01	< 10	< 10	24	< 10	74
N114878	205	226	0.08	75	1	< 0.01	45	910	10	< 0.01	< 2	6	9	0.02	< 10	< 10	42	< 10	132
N114879	205	226	0.03	590	2	< 0.01	43	250	10	0.01	< 2	4	22	< 0.01	< 10	< 10	28	< 10	82
N114880	205	226	0.01	50	19	< 0.01	9	530	12	0.06	< 2	3	13	< 0.01	< 10	< 10	16	< 10	34

CERTIFICATION: _____*

APPENDIX III

ROCK SAMPLE DESCRIPTION

Rock Sample Descriptions

Project: EUREKA Property: EUREKA

Sample Number: N114851 **Grid North:** 10+682 N **Grid East:** 11+800 E **Type:** chip **Dimension:** 60cm x 40cm x 40cm
UTM: N **UTM:** E **Sample Width:** 4 cm **Abundance:** lone boulder
Elevation: m
Comments: 60cm x 40cm x 40cm angular boulder of Qz-Ms schist with 4-8 cm wide white glassy Qz vein cutting schist. Chip taken across vein width, Qz is moderately rusty orange-brown with minor limonite boxwork + rare fine vugs. Very fine Ms. near vein margin + along some fractures

Sample Number: N114852 **Grid North:** N **Grid East:** E **Type:** **Dimension:**
UTM: N **UTM:** E **Sample Width:** **Abundance:** float from placer workings
Elevation: m - split taken
Comments: Deep rusty red-brown, orange + yellow-green shattered Quartz breccia. Clast supported with 65% clasts of white to clear Quartz stained dull red-brown (highly fractured) Other 35% clasts of aphanitic grey Qz or Qz mica schist ground into 0.2 - 1 cm angular clasts. Matrix is a mix of orange-red-brown + pale yellow limonite with moderate fine to coarse pitts. In core is 2-3cm triangular vug lined with a dull grey-black very fine mineral

Sample Number: N114853 **Grid North:** N **Grid East:** E **Type:** float **Dimension:** 9 x 7 x 5 cm
UTM: N **UTM:** E **Sample Width:** **Abundance:** float from placer workings
Elevation: m - split taken
Comments: Stockworked Qz-BT-schist. Core shows 4x2x2cm grey Qz-BT schist clast partially silicified. Bulk of rock is clear to milky, irregular Qz veins from 0.5 to 1.5cm. Minor fine limonitic boxwork + pitts, stained orange-brown to pale yellow along vein margins. Biotite partially oxidized + orange weathering or Biotite partially altered to chlorite.

Sample Number: N114854 **Grid North:** N **Grid East:** E **Type:** Chip **Dimension:**
UTM: N **UTM:** E **Sample Width:** 10-14 cm **Abundance:**
Elevation: m - split taken
Comments: Chip sample taken across 10-14 cm wide Quartzite breccia zone across road from sample BB31065 Sample is a clast supported Quartzite breccia with 0.2-1.5 cm grey, angular Quartzite clasts set in a mix matrix of orange + yellow limonite and white to grey Quartz rock flour. limonitic areas contain very fine boxwork after pyrite weathering.

Sample Number: N114855 **Grid North:** N **Grid East:** E **Type:** float **Dimension:** 5 x 4 x 4 cm
UTM: N **UTM:** E **Sample Width:** **Abundance:**
Elevation: m - split taken
Comments: Pale tan-brown to orange-brown weathering altered intrusive. Weakly foliated containing ~70% white, fine Quartz grains. Matrix is heavily pitted w ~20% of matrix fine boxwork. ~5% fine grained Muscovite left in matrix.

Sample Number: N114856 **Grid North:** N **Grid East:** E **Type:** float **Dimension:** 30 cm x 12 cm x 6 cm
UTM: N **UTM:** E **Sample Width:** **Abundance:**
Elevation: m - split taken
Comments: dull orange-brown weathering blue-grey Quartz breccia. Minor rusty red-orange-yellow limonite matrix with abundant fine pitts and angular vugs. 6cm appears to be thickness of breccia. Lone piece found on road while soil sampling.

Rock Sample Descriptions

Project: EUREKA JV Property: EUREKA

Sample Number: N114857
Grid North: N Grid East: E Type: float Dimension:
UTM: N UTM: E Sample Width: Abundance:
Elevation: m

Comments: 12 pieces of cm size angular rusty red-brown to orange-brown limonite. Pieces heavily pitted and boxworked after Pyrite. White Qz left leaving irregular framework. Pieces appear to be from Qz vein breccia.

Sample Number: N114858
Grid North: N Grid East: E Type: float Dimension:
UTM: N UTM: E Sample Width: Abundance:
Elevation: m - split taken

Comments: small piece grey-blue QUARTZ breccia + Minor orange-brown limonite in matrix with grey-blue rock flour. Matrix contains abundant fine limonite pitts. Found on main road + picket BB31053

Sample Number: N114859
Grid North: N Grid East: E Type: float Dimension:
UTM: N UTM: E Sample Width: Abundance:
Elevation: m - split taken

Comments: Deep rusty red-purple-brown weathering highly x-fractured white to clear QUARTZ veins ~2-3cm wide cutting a micaceous grey QUARTZITE - Minor breccia along vein margins with minor orange-brown limonite matrix weakly pitted to vuggy w dark red-purple stained Qz sceptors. Along micaceous partings deep rusty red-brown FeOx staining with abundant pitts.

Sample Number: N114860
Grid North: N Grid East: E Type: Float from soil hole Dimension: 5cm x 4cm x 4cm
UTM: N UTM: E Sample Width: Abundance: more in hole
Elevation: m

Comments: Dark grey-black Quartz vein? float from soil hole BB31118. Dark grey-black microcrystalline, massive QUARTZ with minor x-fractures. No pits or vugs. Minor Muscovite along a cross fracture.

Sample Number: N114861
Grid North: L 12+000 N N Grid East: 10+830 E E Type: Chip Dimension: 160 x 80 x 70 cm
UTM: N UTM: E Sample Width: 1.3 m Abundance: lone boulder
Elevation: m - split taken

Comments: Irregular chip sample off a very hard, highly x-fractured grey micaceous QUARTZITE Boulder. Fractures stained rusty orange-yellow with moderate fine pitts and vugs. Minor folioform 0.4-1.5cm clear QUARTZ sweats often showing microfaulting with normal movement. Minor irregular clear QUARTZ veinlets.

Sample Number: N114862
Grid North: 11+600N N Grid East: 11+200E E Type: Float Dimension: 10 x 9 x 8 cm
UTM: N UTM: E Sample Width: Abundance: several boulders
Elevation: m

Comments: Deep rusty red-black weathering grey QUARTZITE breccia. Clast supported, with clasts of light grey, thinnly foliated micaceous Quartzite. Matrix of deep rusty red-brown and yellow-orange limonite. Heavily pitted to weakly vuggy. Minor fine to medium boxwork often filled with black oxide. Some areas appear chalcedonic. Heavy.

Rock Sample Descriptions

Project: EUREKA JV Property: EUREKA

Sample Number: N114863
Grid North: 11+600 N N Grid East: 11+040 E E Type: Float Dimension: 15 X 12 X 10 cm
UTM: N UTM: E Sample Width: Abundance: a few small boulders
Elevation: m

Comments: Dull red-brown weathering, grey Quartzite breccia. Clast supported, light grey Quartzite breccia similar to N114862 except more developed brxx texture. Clasts from 0.4 to 3.5 cm, angular. Matrix of dull orange-yellow limonite with minor fine pitts and patches of deep red-brown and black FeOx. Abundant open spaces where clasts have weathered out. Heavy

Sample Number: N114864
Grid North: 11+300 N N Grid East: 10+720 E E Type: Float Dimension: 7 x 6 x 5 cm
UTM: N UTM: E Sample Width: Abundance: few small float left
Elevation: m

Comments: Highly x-fractured light grey micaceous Quartzite. Regular, planer x-fractures with fine pitts to large, open vugs along fracture planes containg dull orange-brown limonite and deep rusty red-brown to earthy brown limonite. Patchy areas of black oxide filling open space. Sample fairly heavy

Sample Number: N114865
Grid North: 11+000 N N Grid East: 11+000 E E Type: float Dimension: 10 x 6 x 5 cm
UTM: N UTM: E Sample Width: Abundance:
Elevation: m - split taken

Comments: Dull brown, buff weathering, Limonite Quartz breccia. Matrix supported of mixed yellow-orange red-brown + patchy black limonite with grey Qz rock flour. Clasts from 0.1 to 1 cm often sheared looking with mica altered partially to clay. Black patchy mineral in matrix has dull lustre, dark brown streak + soft (FeOx of some kind)

Sample Number: N114866
Grid North: 11+600 N N Grid East: 11+074 E E Type: float Dimension: 11 x 7 x 6 cm
UTM: N UTM: E Sample Width: Abundance:
Elevation: m

Comments: Dull rusty red-brown weathering limonite Quartz breccia. Matrix supported of dull red-brown + yellow-orange limonite with weak fine pitts + minor vugs filled with dark red-black FeOx. Clasts angular from 0.1 to 2 cm of light grey Quartz. Rare late chalcedonic Qz stringers.

Sample Number: N114867
Grid North: 11+200 N N Grid East: 11+150 E E Type: Float Dimension: 7 x 6 x 4 cm
UTM: N UTM: E Sample Width: Abundance:
Elevation: m

Comments: dull earthy brown weathering, thinnly foliated weak Quartzite breccia. Thinnly foliated (mm scale) light grey Quartzite with dull earthy brown FeOx along micaceous partings. Abundant open spaces along x-fractures filled with vitreous to adamantine black FeOx crystals (Goethite?) Black FeOx also along a few micaceous partings. Rock is heavy!

Sample Number: Grid North: N Grid East: E Type: Dimension:
UTM: N UTM: E Sample Width: Abundance:
Elevation: m

Comments:

Rock Sample Descriptions

Project: EUREKA JV Property: EUREKA - AURION Placer Pit '2000'

Sample Number: N114868 **Grid North:** UTM: 7054077N N **Grid East:** UTM: 607193E E **Elevation:** m **Type:** Chip **Sample Width:** 1 m **Dimension:** **Abundance:** Pit Floor

Comments: Spot sample of light orange-brown silt-clay (decomposed Qz-Sericite schist) with angular to subrounded, weakly rusty orange-brown, weak & friable QUARTZ-Sericite schist - much of Sericite altered or partially altered to clays. John Loveless panned this same spot and said it was good.

Sample Number: N114869 **Grid North:** UTM: N **Grid East:** UTM: E **Elevation:** m **Type:** Chip **Sample Width:** 5m (0 to 5m) **Dimension:** **Abundance:** Pit Floor

Comments: Ripped up pit floor of mixed; blue clay (40%) with minor crushed clear Quartz and light yellow-brown silt-clay from decomposed Quartz-sericite schist (60%). Angular clasts of fairly competent rusty-red-brown Qz-Sericite schist

Sample Number: N114870 **Grid North:** UTM: N **Grid East:** UTM: E **Elevation:** m **Type:** Chip **Sample Width:** 5m (5m to 10m) **Dimension:** **Abundance:** Pit Floor

Comments: Same material as N114869 except ~ 60-70% blue-clay and 30-40% Qz-sericite schist silt-clay.

Sample Number: N114871 **Grid North:** UTM: N **Grid East:** UTM: E **Elevation:** m **Type:** Chip **Sample Width:** 5m (10m to 15m) **Dimension:** **Abundance:** Pit Floor

Comments: Same material as N114870 with same proportions of blue-clay to Qz-Sericite schist silt-clay.

Sample Number: N114872 **Grid North:** UTM: N **Grid East:** UTM: E **Elevation:** m **Type:** Chip **Sample Width:** 5m (15m to 20m) **Dimension:** **Abundance:** Pit Floor

Comments: 90% yellow-orange-brown silt-clay from decomposed Qz-sericite schist + bedrock clasts of decomposing Qz-sericite schist. 5-10% blue-clay

Sample Number: N114873 **Grid North:** UTM: N **Grid East:** UTM: E **Elevation:** m **Type:** Chip **Sample Width:** 5m (20m to 25m) **Dimension:** **Abundance:** Pit Floor

Comments: Same material as N114872 except less than 5% blue clay.

Rock Sample Descriptions

Project: EUREKA JV Property: EUREKA - AURION Placer PIT '2000'

Sample Number: N114874 | Grid North: N | Grid East: E | Type: Chip | Dimension:
UTM: N | UTM: E | Sample Width: 5m (25m to 30m) | Abundance: PIT Floor
Elevation: m
Comments: Same material as N114872 except no blue clay

Sample Number: N114875 | Grid North: N | Grid East: E | Type: Chip | Dimension:
UTM: N | UTM: E | Sample Width: 5m (30m to 35m) | Abundance: PIT Floor
Elevation: m
Comments: Same material as N11872 except no blue clay.

Sample Number: N114876 | Grid North: N | Grid East: E | Type: Spot | Dimension:
UTM: N | UTM: E | Sample Width: 5m | Abundance: Middle of PIT Floor.
Elevation: m
Comments: 60% rusty red-brown weathering channel gravel and cobbles of mixed; Quartz-Biotite-Muscovite schist, Quartz vein and Quartz-sericite schist. Where pieces are still frozen the gravel is set in a matrix of bright rusty red-brown clay-silt. John Loveless showed me a pan of this material with 4 to 5 rounded gold grains 1mm or less in diameter.

Sample Number: N114877 | Grid North: N | Grid East: E | Type: Profile | Dimension:
UTM: N | UTM: E | Sample Width: 1.5m | Abundance: Slope between mining benches
Elevation: m
Comments: Mixed; orange-brown clay-silt, orange-yellow sericitic clay, grey micaceous quartzite and Qz-sericitic schist fragments, and minor blue-clay.

Sample Number: N114878 | Grid North: N | Grid East: E | Type: Profile | Dimension:
UTM: N | UTM: E | Sample Width: 1.5m | Abundance: Slope between mining benches.
Elevation: m
Comments: Rusty orange-brown clay-silt with rusty channel gravels -no blue clay

Sample Number: 935448 | Grid North: N | Grid East: E | Type: | Dimension:
UTM: N | UTM: E | Sample Width: | Abundance:
Elevation: m
Comments: PANNING CONCENTRATES FROM PROFILE SAMPLES TAKEN AT THE WEALTH SHOWING. APPROXIMATELY 2 to 4 Kgs OF MATERIAL WAS TAKEN ALONG THE PROFILE OF 23 HAND PITS. AND PANNED DOWN TO a teaspoon. SAMPLES were then further panned to 1/10 of a teaspoon - THE REJECTS were combined to make 1 sample

Rock Sample Descriptions

Project: EUREKA JV Property: EUREKA

Sample Number: N114879 | Grid North: UTM: Elevation: | N | Grid East: UTM: - Split taken | E | Type: Chip | Sample Width: 10 cm | Dimension: | Abundance:

Comments: Silvery grey, graphitic, micaceous clay with small pebble size subrounded Qz-BT-MS schist and Quartzite suspended in clay. Horizon appears to be soliflucted but CAT has moved material around making relationships unclear. Bedrock of fractured Qz-MS-BT schist 0.5m below this material.

Sample Number: N114880 | Grid North: UTM: Elevation: | N | Grid East: UTM: - Split taken | E | Type: Float | Sample Width: | Dimension: | Abundance:

Comments: Deep rusty orange-red weathering grey Quartzite weak breccia. Piece appears to be portion of a fold hinge. Rusty areas contain abundant fine pits and small vugs.

Sample Number: N112520 | Grid North: UTM: 7047734 N Elevation: | N | Grid East: UTM: 605215 E | E | Type: Float | Sample Width: | Dimension: | Abundance:

Comments: Strongly fractured grey quartzite with abundant pits and limonite pods/patches and bands.

Sample Number: N112521 | Grid North: UTM: 7048318N Elevation: | N | Grid East: UTM: 605473E | E | Type: Composite float | Sample Width: | Dimension: | Abundance:

Comments: Allen Showing: Composite sample of material from N112487. Rusty limonitic material with minor remnant sulphide.

Sample Number: N112522 | Grid North: UTM: Elevation: | N | Grid East: UTM: | E | Type: | Sample Width: | Dimension: | Abundance:

Comments: Allen showing: Finely milled Quartzite and clear/white quartz vein material cemented with black and red-brown limonite. Hefty. Secondary? shearing with muscovite developed along shear planes.

Sample Number: N112523 | Grid North: UTM: Elevation: | N | Grid East: UTM: | E | Type: | Sample Width: | Dimension: 30 x 20 x 20 cm | Abundance:

Comments: Allen showing; Strongly fractured and weakly brecciated muscovite-sericite Quartzite. Abundant irregular pods and patches of yellow-orange to dark brown limonite. Unknown black sulphide (?) formed in limonite as irregular patches and blebs. Scratch is metallic and hard plus powders dark brown.

7 050 000 N

7 048 000 N

7 046 000 N

7 044 000 N

1000

900

Black Hills Creek

604 000 E

606 000 E

N114935-943

N114931-934

N114925, 926

N114927-929

R15393-395

094203

o 31388 Soil sample location and number

□ 112523 Rock sample location and number

× 31732 Silt sample location and number

TRUE NORTH
UTM GRID NORTH
MAGN. NORTH
2° 01'

NTS 115-0/10
UTM ZONE 7
NAD 1983
CONTOUR INTERVAL 100m

EXPATRIATE RESOURCES LTD.
NORDAC RESOURCES LTD.

FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE LOCATION

EUREKA PROPERTY

SCALE 1:10,000
0 100 200 300 400 500m

DRAWN/REVISED BY: AG	PROJECT: EUREKA JV
FILE: ..EUREKA\ACAD00\EU10-SL.DWG	DATE: NOVEMBER, 2000

7 050 000 N

7 048 000 N

7 046 000 N

7 044 000 N

604 000 E

606 000 E

1000

900

Black Hills Creek

Allen Showing

Wealth Showing
Detail Grid
Figure 8

Childs Showing

N112498
M451877
N112492
R15393-395
M451894
N114935-943
BB26741
N114931-934
N114927-929
N114985, 926

SIGNIFICANT 2000 RESULTS (ppm)									
SAMPLE	Au*	Ag	As	Bi	Mo	Pb	Sb	TYPE	LOCATION
N112487	15000	25.5	3510	–	23	54	8	Float	Allen
N112492	1680	0.8	365	–	182	470	4	Float	Allen
N112521	14420	59.0	4190	6	19	48	2	Float	Allen
N112523	130	2.2	130	–	3	6	–	Float	Allen
N114852	235	9.4	1215	–	1	112	30	Float	Allen
N114936-37	350	na	na	na	na	na	na	6.0m Chip	Wealth
R15393	1850	na	na	na	na	na	na	Float	Wealth
R15394	1400	na	na	na	na	na	na	Float	Wealth
BB26741	845	4.0	96	14	5	144	2	Float	Wealth
M451894	1745	0.2	14	18	1	–	–	Float	Wealth
N114855	285	0.6	32	–	1	–	–	Float	Childs
N114857	850	9.2	284	2	48	3390	2	Float	Childs
N114858	130	0.2	26	–	–	6	–	Float	Childs
N114859	3970	3.2	74	–	2	168	2	Float	Childs
N114926	260	na	na	na	na	na	na	0.65m Chip	Childs
N114927	630	0.8	12	–	–	14	–	Float	Childs
N114928	1195	na	na	na	na	na	na	Float	Childs
N114929	460	na	na	na	na	na	na	Float	Childs
N114931-33	310	na	na	na	na	na	na	3.3m Chip	Childs
N114934	580	na	na	na	na	na	na	Float	Childs
N112498	850	17.5	58	–	88	138	–	Float	
M451877	925	29.8	26	–	62	280	–	Float	

* value reported in ppb
na not analyzed
– below detection limit

$^{315}\circ$ Soil sample with Au value in ppb

$^{130}\square$ Rock sample with Au value in ppb

$^{35}\times$ Silt sample with Au value in ppb

Gold contours at 25, 50 and 100 ppb.

094203

TRUE NORTH
UTM GRID NORTH
MAGN. NORTH
2° 01'

NTS 115-O/10
UTM ZONE 7
NAD 1983
CONTOUR INTERVAL 100m

EXPATRIATE RESOURCES LTD.
NORDAC RESOURCES LTD.

FIGURE 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GOLD GEOCHEMISTRY

EUREKA PROPERTY

SCALE 1:10,000
0 100 200 300 400 500m

DRAWN/REVISED BY: AG	PROJECT: EUREKA JV
FILE: ...EUREKA\ACAD00\EU10-Au	DATE: NOVEMBER, 2000