Andrew Claim Group

Prospecting and Geochemical Report

Mayo Mining District
NTS 105K-16
Yukon Territory

Longitude 132 14' W
Latitude 62 57' N

Field work done during the period July18 to August 1, 1996

By: R.S. Berdahl B.Sc.
November, 1997

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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 $ 2000.00 .

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

Summary :

The Andrew 1 - 10 claims were staked in July 1996 to cover a portion of a heavily mineralized structure. The structure and mineralization extend over four kilometers. Two separate claim blocks were staked.

The area was originally staked in 1967 by Atlas Exploration during the Faro rush. Their target was base metals. Over the next two years an aggressive program of line cutting, mapping, geochemical surveys, geophysical surveys (ground and air), bulldozer trenching, road building and airstrip construction was completed. This work resulted in the discovery of at least fourteen separate Pb, Zn, Cu, Ag etc. showings, most described as either vein or skarn. In 1977 Cima Resources, an Atlas descendant, drilled two very shallow holes on one of the skarns that failed to reach their designated targets.

The GSC released Open File #2174, a regional geochemical survey, in 1989 for the east half of the 105K NTS sheet. This confirmed the entire 105 K-16 map sheet to be highly anomalous in numerous base and precious metals, as well as many indicator elements.

This outstanding anomalous fingerprint along with the numerous mineral occurrences and favorable geology prompted the initial investigation of the area, and subsequent staking of the Andrew Claims.

Geology consists of typical Selwyn Basin stratigraphy of 'Grit Unit' overlain by Road River and Earn Group sequences. Additionally several variable sized Cretaceous bodies intrude the immediately adjacent area. Thus, one has the possibilities of deposit types ranging from Sedex Pb Zn to Ft Knox style Au's.

The emphasis of work during 1996 was on a mineralized trend south of the main thrust of Atlas's previous work. The trend consists of a structure with several massive galena veins plus/minus Cu, Ag and Zn. , a large (150m) kill zone, and float of Cu and Zn. Work consisted of prospecting and sampling along the proposed northwest trending structure. There remains significant potential for a deposit throughout the entire area.

Claim Summary :

Andrew Claims		Staked	Expiry Date*
1- 4	YB65796 - YB65799	July 28, 1996	August 16, 1999
5	YB65800	"	August 16, 2002
6 - 10	YB65801 - YB65805	"	August 16, 1999

* if applied for assessment work is approved

Location and Access:

The claim area is located approximately 65 air miles north of Ross River within the Mayo Mining District on NTS map sheet 105K-16. It is located east of the confluence of, and between the North and South Macmillian Rivers.

A winter road was constructed by Atlas from the North Canol Road at Dragon Lake. It's length is about 38 miles from the Canol to the claim area. Roads in the area of Atlas's work are in reasonable shape, passable by ATV. Two airstrips (1,300 and 1,000 feet) were built. The 1,000 foot strip located just north of the claims maybe suitable for use. Some brushing may be required. The lakes in the area are suitable but marginal for float plane use. Access in 1996 was via helicopter from Ross River.

Topography /Vegetation:

Elevations in the claim area range from 1,000m to 1,800 m with tree line at about 1,500m. Topography grades from relatively gentle areas to the north of the claims and on small 'plateaus' to steep canyons and valleys. Below 1,500m vegetation is moderate to heavy with white and black spruce, buckbrush and willows predominating. The latter three being most prevalent on north facing slopes. Sphagnum moss is common as is permafrost, especially on north and east facing slopes. The country is moderately difficult to traverse. Bedrock is rare outside creek beds. The lakes in the immediate claim area are set in deep canyons making their utilization by floatplane less than ideal.

Regional Geology:

The Andrew Claims are situated within the Selwyn Basin, part of the Ominica Belt (Wheeler et.al.,1991). The geology of the area has most recently been mapped by Gabrielse et.al., 1980 at a scale of 1:1,000,000. The Selwyn Basin is imperfectly defined and is used here to describe that part of the cordilleran miogeocline comprised of a prism of sedimentary rocks, of Precambrian to Jurassic age, deposited alone the western margin of ancestral North America. The eastern margin of the basin is marked by the Paleozoic shale - carbonate transition zone while the western margin is defined by the Teslin Fault. The sedimentary basin was active from the late Proterozoic to Mid Jurassic. Widespread thin mafic volcanic flows, breccias, and tuffs are found throughout the Basin. All of the large SEDEX Pb/Zn deposits in the northern cordillera are found within the Selwyn Basin.

Sedimentation ceased in the Mid Jurassic in the outer miogeocline with the collision of a Mesozoic island arc, the Yukon -Tanana Terrane. The collision spread eastward with the miogeocline being over thrust by oceanic rocks and the entire package being deformed.

Two suites of granitoid intrusives, ranging from Paleozoic to Cenozoic age, related to the underplating and or subduction, are found on both sides of the Tintina Fault. The Selwyn Plutonic Suite of granitoid intrusives are distributed along a northwest trending arcing belt within the Basin. These are mainly granitic in nature and are associated with tin, tungsten, and molybdeum mineralization.

Table of Geologic Formations:

Mesozoic

Cretaceous

KQM - Quartz monzonite, granodiorite; alaskite

----------intrusive contact----------

Paleozoic

Devonian-Mississippian

DME - Earn Group: chert arenite, shale, conglomerate

Ordovician, Silurian and Devonian

OSDR - Road River : black grapholitic shale, chert

----------unconformity or fault----------

Proterozoic

Hadrynian

HQP - Hyland Group: Gritty quartzite, argillite, shale, phyllite

Property Geology:

The area is underlain mainly by quartzites, phyllites and limestones of supposed Proterozoic age (Grit or Hyland Group). Folded into this package are Ordovician to Devonian Road River rocks and Devonian to Mississippian Earn Group suite.

The Road River package consists of graptolitic shales, calcareous to non - calcareous black shales, graphitic shales, silty limestones and cherts. The Earn Group is distinguished by 'gun blue' weathering siliceous shales, chert, brown weathering shale and resistant chert pebble conglomerates.

Cretaceous quartz monzonites intrude three miles to the west and a much smaller stock equidistant to the east of the claim block.

Structures and regional attitude of the sediments strike northwest/southeast. Sulphide 'veins' run from parallel to perpendicular to this general trend.

The most common exposed lithology is quartzites, probably of the Hyland Group. It is the host of several of the galena veins though black shale of unknown age host the "O" showing. Some beds of maroon shales are also locally common. Limestones host some of the showings on the old Lad Claim Group.

Past Work Results:

Atlas Exploration worked the Lad Claims during the period 1967 -1969. Sixty three km. of grids were cut. These grids or portions thereof were used for geophysical(mag and EM) and geochemical(Pb, Zn, Cu) surveys. An airborne EM survey was also flown. A D-7 cat dug 18 trenches on various showings and geological anomalies with mixed results.A 1968 report emphasized the difficulty caused by the lack of outcrop, yet the substantial number of sulphide showings discovered. The final Atlas report, in 1969 concluded " the extent of the sulphide mineralization was shown, in every case, to be much too limited to have any economic potential." In 1977 Cima drilled two aborted holes in a skarn. Mineralization (5.3%Pb, 4.7% Zn, 3.9opt Ag over 1.2m) was cut in both holes. Despite Atlas's conclusion very few of the showings found were investigated thoroughly.

Current Program :

The 1996 program consisted of basic prospecting and geochemical sampling in and around the old Lad Claims between July 18, and August 1, 1996. The Andrew Claims were staked south of the bulk of Atlas's program. Only costs incurred after registration of the Andrew Claims are submitted for assessment purposes.

Fifty two rock, soil, and silt samples were sent to Chemex Labs in Vancouver to be analyzed for Pb, Zn, Ag, Cu and Au. Chemex initially ran everything ICP-30, causing erroneous results due to incomplete digestion, with high grade samples. All samples were dry sieved and crushed to 150 mesh. ICP analysis utilized nitric-aqua regia digestion. The Au, Pb, Cu, Ag and Zn results were determined after digestion in concentrated nitric/HCl acids and finished with AAS.

Showing Descriptions :

There are ten main showings on the Andrew claim blocks. Most are of a minor nature, usually galena veins hosted in quartzite. However given their density per unit area and proximity to the larger "J" showing, they may well suggest a significant mineral deposit on the claims. All showings appear to occur along the suspect lineament. Other showings should be expected further along the same structure's extensions to the northwest and southeast, once explored.

Showing 'A': This showing consists of "oxides" containing sphalerite in quartzites, juxtaposed ten meters east by a minor galena vein dipping 80 degrees east and striking north-south, through phyllites; sample (#23) of "oxides" ran 3.88% Zn.

Showings 'B', 'C', and 'D' : These three showings are all found on Hugo Creek. They consist of chalcopyrite, pyrhotite, galena, sphalerite and pyrite either disseminated, in pods or small lenses, or small veins associated with shears cross cutting the creek. Mineralization is generally less than 2 feet wide and discontinuous. Host lithologies range from quartzites to phyllites. Grab samples (#20 -22) best values are 3.78 opt Ag and 1% Pb with elevated As, Ba, and Cd. Atlas's 'B' showing had values to 49.68 opt Ag, 15.3% Pb, 3.1%Zn, and 4.4% Cu.

Showing 'J': This is the largest exposed showing on the Andrew Claims. It consists of a nearly 100 meter long kill zone, extending in talus 100 downslope, with 1 foot cu. float boulders of massive galena along with limestone etc. Bedrock in the immediate area consists of shales, with some minor malachite staining, and to the east quartzites with 135 degree fractures occasionally filled with galena, or tan or grey quartz. Grab samples yielded 2.48% Zn (#10), 19.2% Zn (#11), and 74.6%Pb, 4.35optAg, and 2.45%Zn (#42).

Showing 'O' : This 4-6 inch galena vein is found along the same slope and at approximately the same elevation as showings 'V', 'P' and 'Q'. It is approximately 50 meters west of showing 'V' and strikes at 28 degrees with an easterly dip. The vein can be traced for 15 feet through black, granular quartzite. A grab sample (#47) returned 81% Pb, and 1.66opt Ag.

Showing 'P': This showing consists of fine to course grained galena in 'slumped' black shales with sphalerite and black limestone. Grab sample #52 assayed 1.5opt Ag, 3.93% Pb, 3.2% Zn while #51 returned 28.8% Zn with only trace Ag or Pb.

Showing 'Q' : Mixed quartz and galena in veins and pods to 8 inches through black quartzites. the showing is 100 meters east of "P". Best grab samples ran 4.15opt Ag, and 82% Pb (#46).

Showing 'S': 'S' consists of at least two vertically dipping galena veins, striking north/south. Float boulders of up to four feet width were uncovered along the 60 plus foot of exposed vein. Trace chalcopyrite was disseminated in some of the massive galena. Grab rocks ran 3.28opt Ag, 64.8% Pb with only trace Cu or Zn.

Showing 'V': 'V' consists of noncalcareous float stained with minor malachite. It is immediately adjacent to 'P'. Quartz and Quartzite float with limonite found 30 meters above the two showings was highly anomalous in Zn. Showing 'V' rocks ran 1.9%Zn and .74%Cu, (#45). While the quartzite float from above assayed at 3.28% Zn, (#3).

Atlas's Showings 'U', 'T' and 'R' were not located and no description were found in any existing assessment reports or microfiche. Given the strong association with the strong Cu/Pb soils anomaly one can assume they are probably similar to the above described showings.

Conclusions and Recommendations:

A well mineralized, four kilometer northwesterly trending structure was discovered and investigated. A number of the showings were discovered by Atlas in 1968. It is important to note that Atlas did no follow up work after the initial discoveries in the 'J' Creek area. This despite several showings, a large kill zone, large, multi element, soils anomalies, and a recommendation of further work in the 1968 report.

One of the more interesting findings is the presence of high Zn values (sample #'s 2,3,23,45,51) found mostly in float, that apparently aren't directly related to the galena veins. Malachite is also present in some areas (showing V, J).

The area warrants more work. Even areas Atlas had written off deserve attention. Two reasons for a reassessment are advances in geophysics since 1968,especially our ability to process information, and the physiograghic conditions in the area. Given the extensive permafrost on north and east facing slopes, as well as the depth of overburden, techniques other than conventional soil sampling, may reveal substantial anomalies.

Specific Recommendations are as follows:
- Delineate the dimensions of the 'J' showing under the kill zone using trenching, geophysics etc.
- Trace high zinc values in the 'J' Creek area to a source
- Explore the structure beyond the claim block, both to the northwest and southeast.
- Establish a grid along the structure
- Consider the use of biogeochem techniques in areas of permafrost and overburden
- Use appropriate geophysics to investigate extensions to known showings

References:

-1968. Adamson, T.J. "Lad Group Showings Report."Atlas Exploration Ltd. AR#19012
-1968. Brock, J.S. "Lad Group Ground/Airborne Geophysics Report." Atlas Exploration Ltd. AR#019011
-1969 Adamson, T.J. "Lad Group Trenching Report." Atlas Exploration Ltd. AR#060718
-1977 Cima Drill Logs

STATEMENT OF COSTS

Assays - 52 rock, soil, and stream seds.	$2,073.76 *
Helicopter	$1,938.62
Vehicle - Whse/Ross rtn. 500km @ $.42/km	$336.00
Laborer - 1day	$100.00
Per diem - includes camp, food supplies etc.	$728.00
Report	$500.00 *
	$5,676.38
	$2,573.76 - assessment

* - included for assessment costs

Asking for: two years on Andrew Claims 1-4, 6-10 - $1800
five years on Andrew Claim 5 - $500
Total: $2,300

STATEMENT OF QUALIFICATIONS

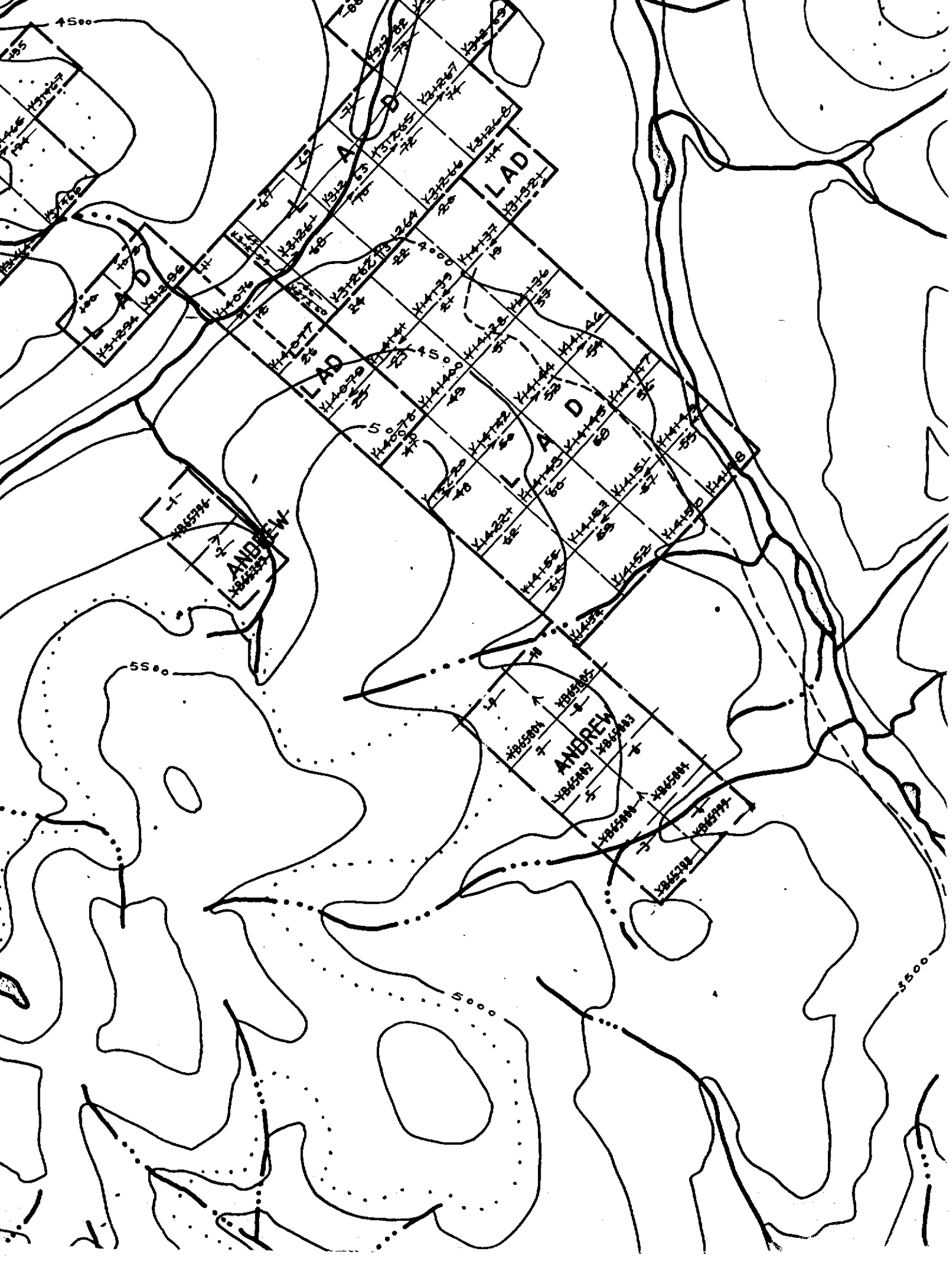
I, Ron Berdahl, declare I am an independent prospector who has worked the Andrew claims during the 1996 field season.

I have worked several years in the Selwyn Basin and taken several courses related to prospecting and in addition make the bulk of my living from prospecting.

The data contained herein is true and correct to the best of my knowledge.

_____ _____

Ron S. Berdahl Date


4500
5000
5500
3500
LAD
ANDREW

Andrew Rock Descriptions

all rock samples have a R6-K prefix
soils " " D6-K "
stream seds " S6 -K "

#2- oolitic fine grained chert or quartzite with veins and limonitic veins and dissemination through out, float

3- quartzite/quartz with limonite inclusions, float 30m "above" showing #2 (photo 6)

7- graphitic shale and quartz with internal shearing

8- as above

10- crystalline limestone, limonite, shale with trace pyrite and brown sphalerite, float J shoe wing

11- conglomerate to calcic "ferricrete" with limonite, j showing

13 - pyritic quartz, float

18 - shale with rust

20 -minor galena, chalco and possibly sphalerite and pyrite in rusty quartzite

21- manganese stained, crustiform grungy "quartzite"

22 - as above silicic phylite?

23 - oxide with possible sphalerite in quartzite

24 - heavy manganese stained black chert with trace pyrite

25 - limonitic altered quartzite with manganese

26 - as above

34 - heavily iron stained qtz breccia w/ very fine to course grained sulfide (arseno?)

38 - massive galena with trace disseminated chalco

39 - brecciated green clastic rock with pyrite, galena, and arseno

40 - massive sulfide of pyrite,chalco +/- Zn, Pb

41 - quartz with pyrite,galena, chalco?, sphalerite?

42 - massive galena

43 - massive pyrhotite (L showing)

44 - quartzite with minor sulfide (L showing)

45 - malachite,chalco,limonite in white to black quartz (showing #3)

46 - massive crystalline galena with quartz and quartz crystals (showing 1)

47 - massive galena (showing#4)

48 - white quartz with limonite, iron/manganese staining (showing #4)

49 - oxide (trench 14)

50 - B showing

51 - crystalline calcite with limonite and sphalerite (showing#2)

52 - galena with limonite (showing#2)

53- quartz with stringers of galena +/- sulfides

Chemex Labs 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: BERDAHL, RON

BOX 5664
WHITEHORSE, YT
Y1A 5L5

A9629979

Comments:

CERTIFICATE A9629979

(NNJ) - BERDAHL, RON

Project:
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 2-OCT-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	34	Assay ring to approx 150 mesh
226	34	0-3 Kg crush and split
3202	34	Rock - save entire reject
233	34	Assay AQ ICP digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
494	34	Au g/t: Fuse 30 g sample	FA-AAS	0.005	12.00
4001	34	Ag ppm : A30 ICP package	ICP-AES	1	200
4002	34	Al %: A30 ICP package	ICP-AES	0.01	15.00
4003	34	As ppm: A30 ICP package	ICP-AES	10	50000
4004	34	Ba ppm: A30 ICP package	ICP-AES	20	200000
4005	34	Be ppm: A30 ICP package	ICP-AES	5	100
4006	34	Bi ppm: A30 ICP package	ICP-AES	10	50000
4007	34	Ca %: A30 ICP package	ICP-AES	0.01	30.0
4008	34	Cd ppm: A30 ICP package	ICP-AES	5	1000
4009	34	Co ppm: A30 ICP package	ICP-AES	5	50000
4010	34	Cr ppm: A30 ICP package	ICP-AES	10	20000
4011	34	Cu ppm: A30 ICP package	ICP-AES	5	50000
4012	34	Fe %: A30 ICP package	ICP-AES	0.01	30.0
4013	34	Hg ppm: A30 ICP package	ICP-AES	10	10000
4014	34	K %: A30 ICP package	ICP-AES	0.01	20.0
4015	34	Mg %: A30 ICP package	ICP-AES	0.01	30.0
4016	34	Mn ppm: A30 ICP package	ICP-AES	10	50000
4017	34	Mo ppm: A30 ICP package	ICP-AES	5	50000
4018	34	Na %: A30 ICP package	ICP-AES	0.01	20.0
4019	34	Ni ppm: A30 ICP package	ICP-AES	5	50000
4020	34	P ppm: A30 ICP package	ICP-AES	100	10000
4021	34	Pb ppm: A30 ICP package	ICP-AES	5	50000
4022	34	Sb ppm: A30 ICP package	ICP-AES	10	10000
4023	34	Sc ppm: A30 ICP package	ICP-AES	5	10000
4024	34	Sr ppm: A30 ICP package	ICP-AES	5	10000
4025	34	Ti %: A30 ICP package	ICP-AES	0.01	10.00
4026	34	Tl ppm: A30 ICP package	ICP-AES	20	10000
4027	34	U ppm: A30 ICP package	ICP-AES	20	10000
4028	34	V ppm: A30 ICP package	ICP-AES	20	50000
4029	34	W ppm: A30 ICP package	ICP-AES	20	10000
4030	34	Zn ppm: A30 ICP package	ICP-AES	5	50000
385	34	Ag oz/T: Conc. Nitric-HCL dig'n	AAS	0.01	10.00
301	34	Cu %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0
312	34	Pb %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0
316	34	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

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

To: BERDAHL, RON

BOX 5664
WHITEHORSE, YT
Y1A 5L5

A9629976

Comments:

CERTIFICATE A9629976

(NNJ) - BERDAHL, RON

Project:
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 9-SEP-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	7	Dry, sieve to -80 mesh
202	7	save reject
285	7	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
578	7	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	7	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	7	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	7	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	7	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	7	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	7	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	7	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	7	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	7	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	7	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	7	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	7	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	7	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	7	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	7	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	7	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	7	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	7	Pb ppm: 24 element, rock & core	AAS	2	10000
582	7	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	7	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	7	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	7	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	7	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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

To: BERDAHL, RON **

BOX 5664
WHITEHORSE, YT
Y1A 5L5

Project :
Comments:

Page Number :1-A
Total Pages :1
Certificate Date: 17-SEP-96
Invoice No. :I9629979
P.O. Number :
Account :NNJ

* CORRECTED COPY

CERTIFICATE OF ANALYSIS A9629979

SAMPLE	PREP CODE		Au g/t FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm	Na %
96-SULF-1	208	226	< 0.005	1	0.20	10	480	< 5	< 10	19.20	< 5	45	40	35	12.30	< 10	0.03	0.23	1090	< 5	0.01
96-SULF-2	208	226	< 0.005	< 1	0.67	< 10	420	< 5	< 10	22.8	< 5	25	90	20	5.86	< 10	0.05	0.41	1480	< 5	0.05
R6-D9-1	208	226	< 0.005	< 1	3.65	< 10	360	< 5	< 10	3.74	< 5	45	710	105	6.57	< 10	0.29	6.52	1410	< 5	< 0.01
R6-K-2	208	226	< 0.005	1	0.12	40	160	< 5	< 10	0.29	115	35	90	80	1.37	60	0.07	0.05	310	< 5	< 0.01
R6-K-3	208	226	< 0.005	< 1	0.16	10	40	< 5	< 10	0.41	160	5	110	90	0.60	< 10	0.10	0.05	490	< 5	< 0.01
R6-K-7	208	226	< 0.005	1	0.51	40	460	< 5	< 10	0.36	10	< 5	90	60	2.09	< 10	0.21	0.11	340	15	< 0.01
R6-K-8	208	226	< 0.005	< 1	< 0.01	50	180	< 5	10	12.75	< 5	25	10	65	8.56	< 10	0.02	5.52	10540	< 5	0.01
R6-K-10	208	226	< 0.005	< 1	0.03	< 10	100	< 5	< 10	19.05	110	5	30	40	0.58	10	0.12	0.03	3520	< 5	< 0.01
R6-K-11	208	226	< 0.005	3	0.26	70	60	< 5	< 10	2.36	810	40	30	315	2.40	120	0.18	0.11	2230	20	< 0.01
R6-K-13	208	226	0.110	< 1	0.89	< 10	60	< 5	< 10	0.12	< 5	15	160	180	9.28	< 10	0.06	0.42	300	< 5	< 0.01
R6-K-20	208	226	< 0.005	130	2.10	1230	1440	< 5	280	0.42	175	50	140	740	8.73	< 10	0.15	0.85	450	< 5	< 0.01
R6-K-21	208	226	< 0.005	3	0.65	< 10	20	< 5	< 10	2.03	10	20	100	250	2.05	< 10	0.13	0.18	1890	< 5	< 0.01
R6-K-22	208	226	< 0.005	12	0.70	< 10	60	< 5	30	0.06	< 5	15	50	110	9.15	< 10	0.23	0.22	660	< 5	0.03
R6-K-23	208	226	< 0.005	1	0.11	< 10	60	< 5	< 10	0.06	95	15	120	60	0.80	20	0.09	0.01	370	< 5	< 0.01
R6-K-24	208	226	< 0.005	1	0.59	< 10	360	< 5	< 10	0.05	< 5	5	180	75	1.42	< 10	0.11	0.47	2900	< 5	0.02
R6-K-25	208	226	< 0.005	< 1	0.27	90	80	< 5	< 10	0.02	< 5	5	60	20	2.18	< 10	0.15	0.01	110	< 5	0.01
R6-K-26	208	226	< 0.005	1	0.58	10	140	< 5	< 10	0.01	< 5	10	90	40	3.90	< 10	0.30	0.03	220	< 5	0.01
R6-K-27	208	226	< 0.005	2	0.57	210	20	< 5	< 10	0.03	< 5	5	120	425	6.66	< 10	0.10	0.25	160	< 5	0.01
R6-K-33	208	226	< 0.005	3	0.77	160	80	< 5	< 10	0.02	< 5	10	50	335	9.32	< 10	0.33	0.23	310	< 5	< 0.01
R6-K-34	208	226	< 0.005	12	0.39	200	20	< 5	50	0.01	< 5	5	90	450	8.51	< 10	0.18	0.08	220	< 5	< 0.01
R6-K-38	208	226	0.015	112	0.06	< 10	80	< 5	< 10	0.03	< 5	< 5	20	680	0.12	< 10	0.04	< 0.01	< 10	< 5	< 0.01
R6-K-39	208	226	< 0.005	130	0.24	>50000	20	< 5	10	0.02	620	95	40	1975	20.1	< 10	0.14	0.01	100	5	< 0.01
R6-K-42	208	226	< 0.005	146	0.04	420	60	< 5	< 10	0.03	235	5	< 10	85	0.17	10	0.03	0.01	280	< 5	< 0.01
R6-K-43	208	226	< 0.005	67	0.48	380	< 20	< 5	470	0.06	305	30	< 10	1830	>30.0	< 10	0.01	0.51	260	< 5	< 0.01
R6-K-44	208	226	< 0.005	6	0.42	210	60	< 5	10	0.03	< 5	< 5	210	265	3.57	< 10	0.05	0.23	100	< 5	0.07
R6-K-45	208	226	< 0.005	2	0.14	10	180	< 5	< 10	0.05	10	< 5	120	6720	1.00	< 10	0.10	0.01	240	< 5	< 0.01
R6-K-46	208	226	< 0.005	127	0.01	< 10	< 20	< 5	< 10	0.01	5	< 5	< 10	55	0.06	10	0.01	< 0.01	10	< 5	0.01
R6-K-47	208	226	< 0.005	50	0.01	< 10	< 20	< 5	< 10	0.01	< 5	< 5	< 10	40	0.03	< 10	0.01	< 0.01	< 10	< 5	< 0.01
R6-K-48	208	226	< 0.005	2	0.13	< 10	20	< 5	< 10	0.03	20	5	240	15	0.35	< 10	0.09	< 0.01	200	< 5	< 0.01
R6-K-49	208	226	< 0.005	>200	0.33	100	80	< 5	50	0.02	< 5	10	10	985	>30.0	< 10	0.07	0.01	100	< 5	< 0.01
R6-K-50	208	226	0.040	125	0.22	31500	20	< 5	80	0.07	165	70	70	18340	18.50	< 10	0.16	0.05	130	< 5	< 0.01
R6-K-51	208	226	< 0.005	6	0.10	230	480	< 5	10	6.58	>1000	55	90	585	3.62	180	0.08	0.01	1590	30	0.44
R6-K-52A	208	226	< 0.005	48	0.13	190	< 20	< 5	< 10	0.58	390	5	190	1425	8.70	< 10	0.01	0.17	200	< 5	< 0.01
R6-K-52B	208	226	< 0.005	110	0.07	20	80	< 5	< 10	0.03	95	< 5	< 10	90	0.58	40	0.05	< 0.01	< 10	5	< 0.01
R6-K-53	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION:

* FOR Pb% SAMPLES R6-K-38, 42, 46, 47, 49 AND R6-K-52B

Chemex Labs 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: BERDAHL, RON **

BOX 5664
WHITEHORSE, YT
Y1A 5L5

Project :
Comments:

Page Number :1-B
Total Pages :1
Certificate Date: 17-SEP-96
Invoice No. :I9629979
P.O. Number :
Account :NNJ

* CORRECTED COPY

CERTIFICATE OF ANALYSIS A9629979

SAMPLE	PREP CODE		Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ag oz/T	Cu %	Pb %	Zn %
96-SULF-1	208	226	1135	600	980	10	5	140	< 0.01	< 20	< 20	< 20	< 20	220	0.01	< 0.01	0.12	0.02
96-SULF-2	208	226	115	900	25	10	5	105	< 0.01	< 20	< 20	140	< 20	350	< 0.01	< 0.01	< 0.01	0.04
R6-D9-1	208	226	325	100	30	< 10	30	90	0.01	< 20	< 20	180	< 20	95	< 0.01	0.01	< 0.01	0.01
R6-K-2	208	226	5	100	85	10	< 5	10	< 0.01	< 20	< 20	< 20	< 20	40100	0.05	0.01	0.01	4.40
R6-K-3	208	226	5	< 100	40	< 10	< 5	10	< 0.01	< 20	< 20	< 20	< 20	38400	0.01	0.01	< 0.01	4.28
R6-K-7	208	226	20	1600	35	10	< 5	50	< 0.01	< 20	< 20	200	< 20	765	0.05	< 0.01	< 0.01	0.08
R6-K-8	208	226	90	100	25	10	< 5	670	< 0.01	< 20	< 20	< 20	< 20	700	0.02	0.01	< 0.01	0.08
R6-K-10	208	226	5	< 100	25	< 10	< 5	185	< 0.01	< 20	< 20	< 20	< 20	22000	< 0.01	< 0.01	0.01	2.48
R6-K-11	208	226	15	< 100	645	30	< 5	50	< 0.01	< 20	< 20	< 20	< 20	>50000	0.08	0.03	0.08	19.20
R6-K-13	208	226	15	< 100	5	10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	355	0.02	0.02	< 0.01	0.04
R6-K-20	208	226	45	100	10340	10	5	45	0.17	< 20	< 20	60	< 20	6810	3.78	0.08	1.10	0.72
R6-K-21	208	226	35	< 100	395	10	< 5	40	< 0.01	< 20	< 20	< 20	< 20	575	0.07	0.03	0.05	0.06
R6-K-22	208	226	5	200	450	40	< 5	5	< 0.01	< 20	< 20	< 20	< 20	175	0.35	0.01	0.06	0.02
R6-K-23	208	226	< 5	< 100	35	< 10	< 5	5	< 0.01	< 20	< 20	< 20	< 20	36200	0.04	< 0.01	0.01	3.88
R6-K-24	208	226	25	< 100	90	< 10	< 5	15	< 0.01	< 20	< 20	< 20	< 20	265	0.02	0.01	< 0.01	0.03
R6-K-25	208	226	10	300	55	< 10	< 5	5	< 0.01	< 20	< 20	< 20	< 20	190	0.01	< 0.01	0.01	0.02
R6-K-26	208	226	35	300	30	10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	225	0.02	< 0.01	< 0.01	0.03
R6-K-27	208	226	40	100	25	10	< 5	< 5	< 0.01	< 20	< 20	20	< 20	60	0.06	0.04	< 0.01	0.01
R6-K-33	208	226	50	200	55	20	< 5	< 5	< 0.01	< 20	< 20	20	< 20	615	0.09	0.03	0.01	0.07
R6-K-34	208	226	50	100	285	50	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	90	0.34	0.05	0.03	0.01
R6-K-38	208	226	< 5	< 100	>50000	240	< 5	5	< 0.01	< 20	< 20	< 20	< 20	150	3.28	0.07	64.8	0.02
R6-K-39	208	226	20	< 100	25400	260	< 5	25	< 0.01	< 20	20	< 20	< 20	41900	3.61	0.21	2.61	4.78
R6-K-42	208	226	< 5	< 100	>50000	410	< 5	25	< 0.01	< 20	< 20	< 20	< 20	22900	4.35	0.01	74.6	2.45
R6-K-43	208	226	15	200	24100	50	< 5	5	< 0.01	< 20	< 20	< 20	< 20	18800	1.91	0.18	2.65	2.15
R6-K-44	208	226	< 5	< 100	660	< 10	< 5	5	0.01	< 20	< 20	20	< 20	235	0.17	0.03	0.07	0.03
R6-K-45	208	226	< 5	< 100	260	< 10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	18980	0.06	0.74	0.02	1.91
R6-K-46	208	226	< 5	< 100	>50000	390	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	930	4.15	< 0.01	82.2	0.09
R6-K-47	208	226	< 5	< 100	>50000	350	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	135	1.66	< 0.01	81.6	0.02
R6-K-48	208	226	5	< 100	14350	10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	8380	0.07	< 0.01	1.59	0.93
R6-K-49	208	226	5	500	>50000	300	< 5	65	< 0.01	< 20	< 20	< 20	< 20	3170	6.33	0.09	9.80	0.33
R6-K-50	208	226	60	< 100	2760	40	< 5	5	< 0.01	< 20	< 20	< 20	< 20	11910	3.80	1.74	0.29	1.18
R6-K-51	208	226	10	< 100	6320	50	< 5	145	< 0.01	< 20	< 20	< 20	< 20	>50000	0.18	0.05	0.68	28.8
R6-K-52A	208	226	5	2400	36900	40	< 5	20	< 0.01	< 20	< 20	< 20	< 20	32700	1.50	0.14	3.93	3.20
R6-K-52B	208	226	15	< 100	>50000	500	< 5	30	< 0.01	< 20	< 20	< 20	< 20	14290	3.43	0.01	77.2	1.35
R6-K-53	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION:

* FOR Pb% SAMPLES R6-K-38, 42, 46, 47, 49 AND R6-K-52B

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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British Columbia, Canada V7J 2C1
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To: BERDAHL, RON **

BOX 5664
WHITEHORSE, YT
Y1A 5L5

Project :
Comments:

Page Number :1-B
Total Pages :1
Certificate Date: 09-SEP-96
Invoice No. :19629976
P.O. Number :
Account :NNJ

CERTIFICATE OF ANALYSIS A9629976

SAMPLE	PREP CODE	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
D6-K-28	201 202	4	0.75	64	920	120	129	0.49	167	< 10	272
D6-K-29	201 202	5	1.87	31	1130	144	389	0.31	109	< 10	176
D6-K-30	201 202	3	0.96	62	1020	248	194	0.44	149	< 10	288
D6-K-31	201 202	1	1.41	13	860	16	289	0.44	94	< 10	78
D6-K-32	201 202	3	1.40	17	1220	20	253	0.36	101	< 10	76
D6-K-35	201 202	6	1.15	51	1420	24	111	0.54	153	< 10	134
D6-K-37	201 202	3	1.26	16	510	24	196	0.35	86	< 10	80

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BOX 5664
WHITEHORSE, YT
Y1A 5L5

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Total Pages :1
Certificate Date: 09-SEP-96
Invoice No. :I9629976
P.O. Number :
Account :NNJ

CERTIFICATE OF ANALYSIS A9629976

SAMPLE	PREP CODE	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
D6-K-28	201 202	0.6	8.76	1160	1.5	2	0.57	1.0	30	96	205	6.65	2.85	0.99	1860
D6-K-29	201 202	1.0	7.94	900	1.5	2	1.51	< 0.5	14	43	62	3.87	2.10	0.90	760
D6-K-30	201 202	1.0	8.26	1070	1.5	8	0.93	< 0.5	34	79	166	6.71	2.46	0.97	1925
D6-K-31	201 202	< 0.2	9.33	1120	1.5	< 2	1.09	< 0.5	10	61	24	2.80	3.03	0.65	575
D6-K-32	201 202	< 0.2	7.54	1060	1.5	< 2	0.94	< 0.5	9	52	31	2.59	2.00	0.72	490
D6-K-35	201 202	0.6	6.83	810	1.5	< 2	0.46	0.5	23	115	77	5.93	1.89	0.57	1695
D6-K-37	201 202	< 0.2	6.69	1000	1.0	2	0.60	< 0.5	9	49	21	2.80	1.99	0.52	490

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BOX 5664
WHITEHORSE, YT
Y1A 5L5

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Invoice No. : I9629977
P.O. Number :
Account : NNJ

CERTIFICATE OF ANALYSIS A9629977

SAMPLE	PREP CODE		Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
S6-K-1	201	202	0.4	7.11	880	1.5	2	2.08	28.0	10	44	74	2.60	2.07	0.67	635
S6-K-4	201	202	< 0.2	8.13	1880	2.0	4	0.57	1.0	20	96	56	4.39	2.82	1.08	1085
S6-K-5	201	202	< 0.2	7.61	1590	2.0	< 2	0.68	< 0.5	21	88	50	3.88	2.52	0.89	1220
S6-K-6	201	202	< 0.2	6.74	1530	1.5	2	1.04	0.5	17	71	61	4.03	2.10	1.13	850
S6-K-9	201	202	< 0.2	9.34	2350	2.5	2	0.74	< 0.5	26	88	107	5.77	3.24	1.06	1105
S6-K-12	201	202	< 0.2	6.10	900	0.5	< 2	2.36	1.5	10	30	31	2.82	1.46	0.86	1200
S6-K-14	201	202	< 0.2	7.86	1040	1.5	2	0.91	0.5	14	66	31	3.56	2.33	0.67	1275
S6-K-15	201	202	< 0.2	7.58	930	1.5	6	0.65	0.5	24	70	96	5.75	2.49	0.70	1190
S6-K-16	201	202	< 0.2	7.14	1580	1.5	< 2	0.91	3.0	20	78	67	3.97	2.27	0.86	1140
S6-K-17	201	202	0.8	6.84	1120	1.5	< 2	2.32	10.5	13	39	410	3.14	1.67	0.85	1270
S6-K-19	201	202	0.6	6.42	1390	1.0	< 2	1.82	4.5	12	48	40	2.94	1.67	0.78	1240
S6-K-36	201	202	< 0.2	5.64	1380	1.5	< 2	0.94	< 0.5	11	60	35	2.73	1.78	0.69	750
S6-K-38	201	202	< 0.2	6.22	1870	1.0	< 2	1.47	1.5	16	56	47	3.65	1.74	0.81	3980
S6-K-39	201	202	0.4	6.44	1820	2.0	< 2	1.55	2.5	16	56	49	2.64	1.69	0.65	2530
S6-K-40	201	202	< 0.2	7.12	1270	1.0	2	1.65	0.5	15	61	25	3.68	1.86	1.03	710

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CERTIFICATE OF ANALYSIS A9629977

SAMPLE	PREP CODE		Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)				
S6-K-1	201	202	1	1.25	42	750	46	328	0.25	80	< 10	9110				
S6-K-4	201	202	1	0.54	49	880	28	102	0.48	172	< 10	208				
S6-K-5	201	202	4	0.60	50	990	26	130	0.45	181	< 10	128				
S6-K-6	201	202	3	0.80	40	960	26	168	0.40	123	< 10	140				
S6-K-9	201	202	1	0.37	50	790	18	93	0.38	101	< 10	80				
S6-K-12	201	202	1	1.50	23	1000	32	402	0.26	89	< 10	172				
S6-K-14	201	202	3	1.02	25	820	26	201	0.40	108	< 10	108				
S6-K-15	201	202	1	0.83	56	850	96	143	0.31	104	< 10	170				
S6-K-16	201	202	3	0.74	50	770	140	155	0.36	138	< 10	414				
S6-K-17	201	202	< 1	1.41	38	1040	60	383	0.27	91	< 10	862				
S6-K-19	201	202	1	1.09	25	860	200	289	0.27	98	< 10	510				
S6-K-36	201	202	2	0.68	29	730	20	159	0.28	113	< 10	114				
S6-K-38	201	202	3	0.82	38	980	36	228	0.31	129	< 10	228				
S6-K-39	201	202	3	1.03	63	920	30	245	0.24	123	< 10	222				
S6-K-40	201	202	1	1.11	32	700	22	292	0.40	130	< 10	134				

CERTIFICATION:

ANOREW 1-10 10'8 K-16 Yukon Terr

J ⊕ - MINERAL SHOWING
⑩ - PICTURE LOCATION
- Pb/Cu soil Anomaly (Atlas) Pb > 200 ppm, Cu > 150 ppm
- Mag Low
(MH) - ARRA of MAG High
EM - ELECTROMAG ANOMOLY (ATLAS)

~ ~ - STRUCTURE
• - Rx sample
Δ - soil "
□ - stream sed "

093881

DWG 1