

MINERAL TITLES BRANCH  
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JUN 22 2000  
L.I.# \_\_\_\_\_  
File \_\_\_\_\_  
VANCOUVER, B.C.

**PROSPECTING REPORT**  
**ON THE**  
**FOX 1-4 TWO-POST MINERAL CLAIMS**  
**DECEPTION CREEK AREA**  
**CARIBOO MINING DIVISION NTS 93A2E**

**BY**  
**DW RIDLEY**  
**PO BOX 77**  
**EAGLE CREEK, BC**  
**V0K1L0**

**JUNE 2000**

MINERAL SURVEY BRANCH  
VANCOUVER

26,275

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## Introduction

The Deception creek area is situated approximately 35 kilometers northeast of Eagle Creek Post Office and is accessible via good quality logging roads. The Canim-Hendrix (6000) road is taken northerly to the junction with the Spanish-Deception (7000) road which is followed easterly about 14 kilometers to the No Name-Deception (7200) road which provides access to the south side of Deception valley. The area is in mountainous terrain with peaks rising 3000-4000 feet above the valley floor.

## Claim Status

The only claims in the area are **DEC 1-4** (80 units) on Deception Mountain, and **FOX 1-4** two-post claims along the 7200 road near 7215 kilometer post. All are held by DW Ridley, Box 77, Eagle Creek, BC, V0K1L0, and jointly owned by DE Blann, 606-6595 Bonsor Ave, Burnaby, BC, V5H 4G5. The **DEC 1-4** were staked prior to this program to cover anomalous tungsten soil values detected on the upper slopes of Deception Mountain in 1982 (Helsen, 1982). They have since lapsed. The **FOX 1-4**, cover tungsten-molybdenum-zinc mineralization associated with skarn-altered calc-silicates intruded by two-mica granite of the Deception stock.

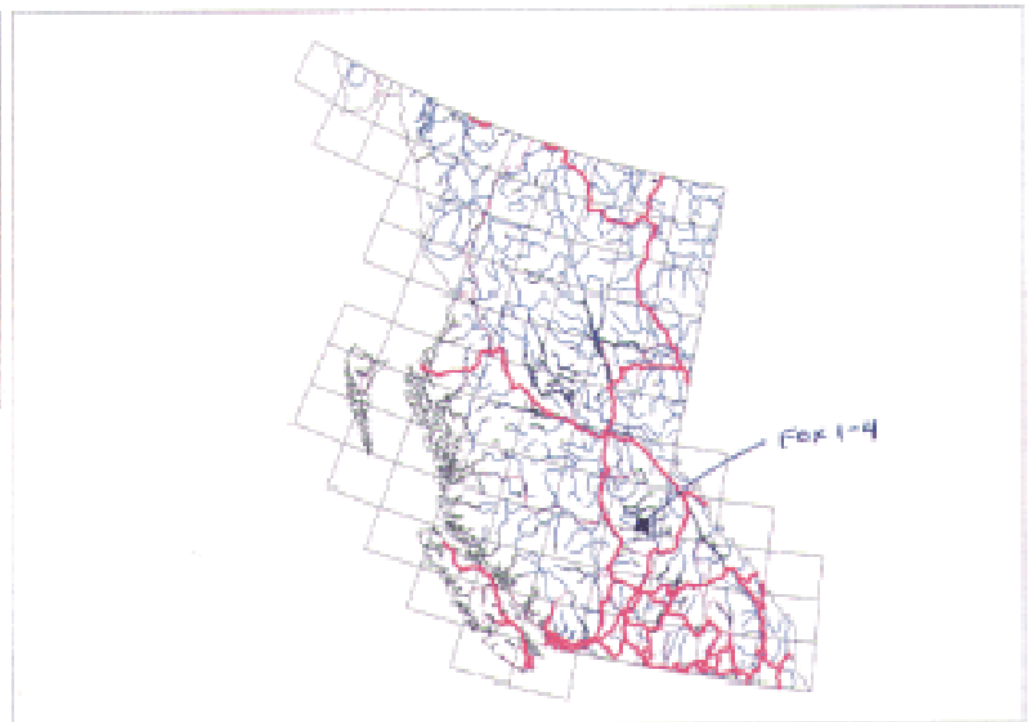
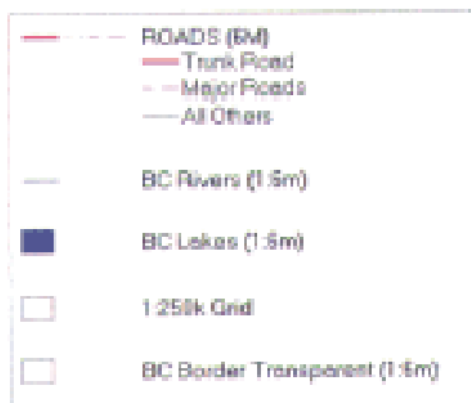
<u>Claim Name</u>	<u>Record Number</u>	<u>Date Staked</u>	<u>***Expiry Date***</u>
Fox 1	370404	July 24, 1999	July 24, 2003 2002 DWR
Fox 2	370405	July 24, 1999	July 24, 2003 2002 DWR
Fox 3	370406	July 24, 1999	July 24, 2003 2002 DWR
Fox 4	370407	July 24, 1999	July 24, 2003 2002 DWR

**\*\*\*pending assessment report approval\*\*\***

## Area History

The only recorded past work in the area was by Mattagami Resources who conducted a regional silt survey during 1981 and followed in 1982 by a limited prospecting and soil sampling program which was severely hampered by bad weather (Helsen, 1982). This work identified a previously unknown granitic intrusion cutting older Snowshoe schists and indicated tungsten soil anomalies associated with the assumed northern and eastern boundary. In 1997 D. and C. Ridley prospected along the newly constructed 7200 road as part of a Prospectors Assistance Grant (#97-98-P66). The southern contact of Deception stock was located and garnet-rich skarn alteration was found associated with it. No further work has been carried out here until the present program. The Fox Mo-W (Zn) skarn prospect was discovered during initial prospecting in the area in 1999 (PAG #99-00 P62).

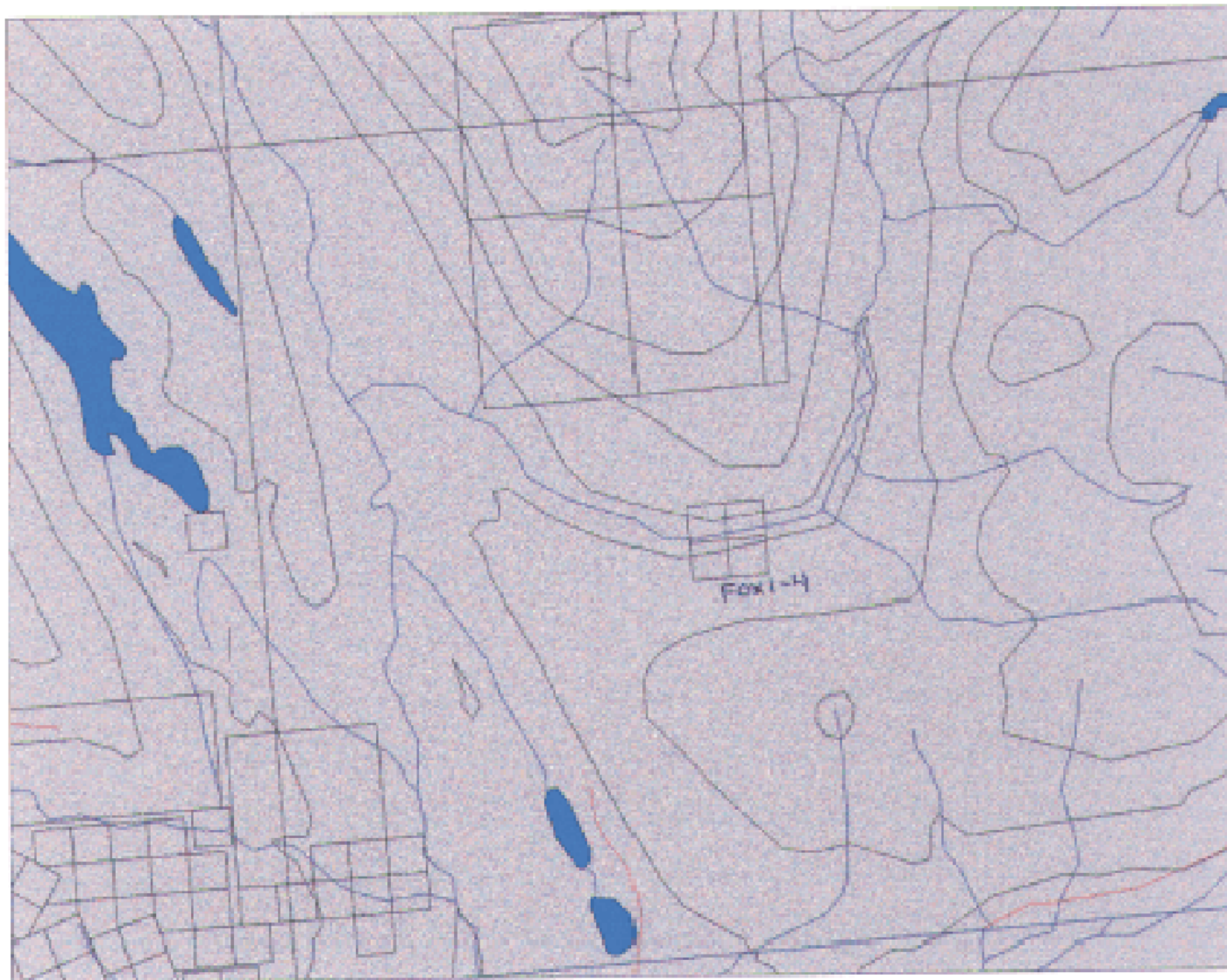
# General Location: FOX 1-4 2-post mineral claims



SCALE 1 : 18,645,038



# Claim Location; FOX 1-4, 2-post mineral claims



SCALE 1 : 87,494



## **Regional Geology**

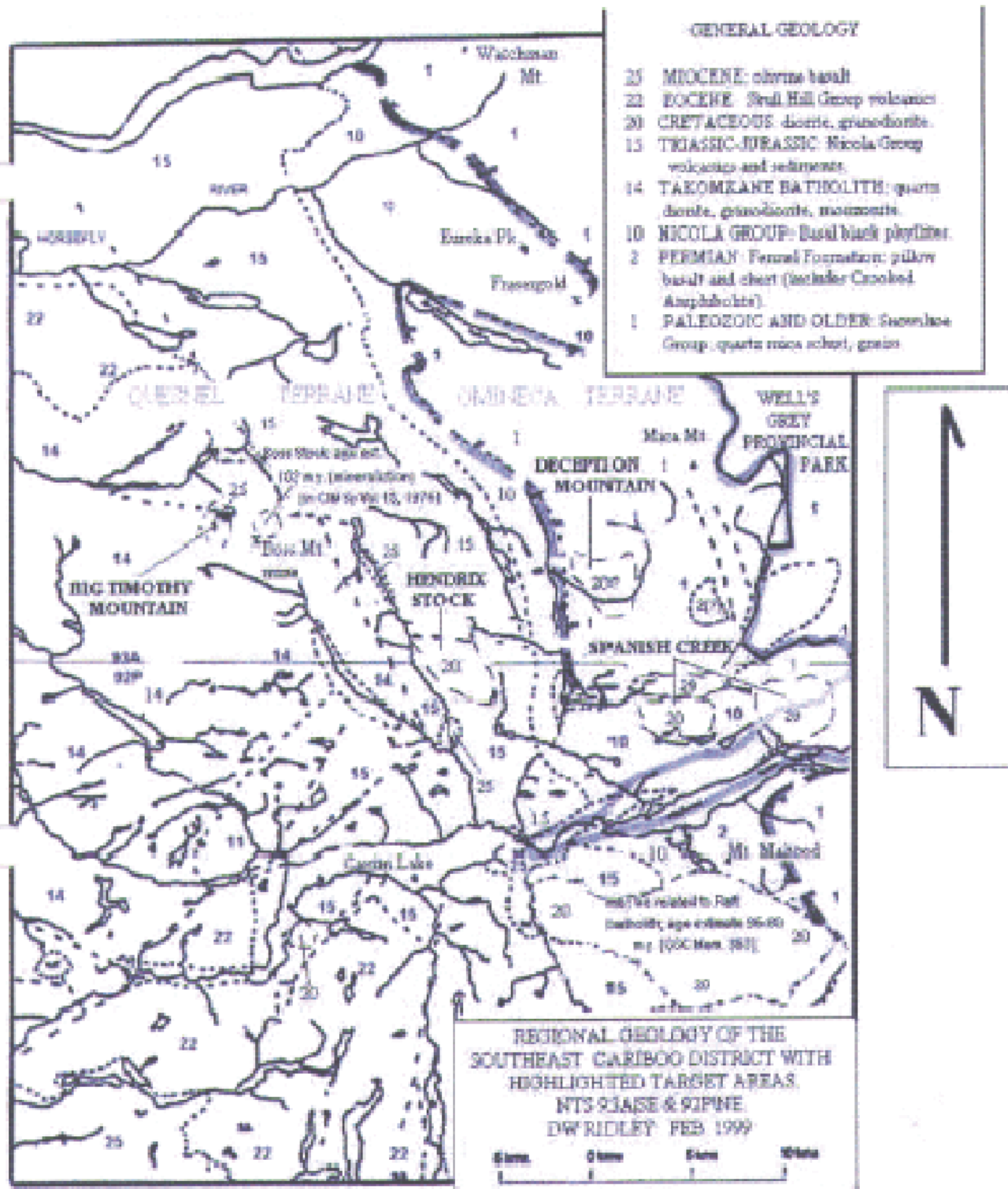
The Deception Creek area is situated within Omineca terrane, immediately east of its contact with Quesnel terrane, and is underlain by Paleozoic and older quartz-mica schist, calc-silicate schist and gneiss of the Snowshoe Formation. Permian(?) Redfern Ultramafic Complex, comprised of amphibolite, gabbro, and serpentinite, occupies the high ground east of Deception creek and west of Spanish creek. These rocks form a fault-bounded block several kilometers in diameter. Nickel creek, draining the ultramafics to the west, contains high nickel-chromium values in sediments. The youngest rocks are muscovite-biotite granite, leuco-granite, aplite, and pegmatite of the Cretaceous(?) Deception stock. These intrude Snowshoe rocks producing a limonitic halo in quartz-mica schists and skarn alteration in calc-silicate rocks. The latter contains tungsten, molybdenum, and zinc values on the newly located FOX 1-4 claims. The entire area is covered with a mantle of glacial and fluvial debris and outcrop exposure is poor over much of the lower valley slopes.

## **1999 Recon Prospecting and Rock Sampling**

The Deception creek area was subjected to an initial program of recon prospecting, geological mapping, and stream sampling. Dave Blann, assisted by Ridley, spent five days in late June mapping and rock sampling in the area. Blann's observations and sample locations are shown on FIG 4, and formed the base for subsequent mapping in the vicinity. This work resulted in the recognition of several interesting zones and led to discovery of new Mo-W (Zn) skarn associated showings on the FOX 1-4 claims. Ridley spent an additional six days on recon prospecting after the initial phase.

The Deception creek area lies immediately east of the Eureka thrust fault which separates Mesozoic Nicola Group rocks of Quesnel terrane, to the west, from Paleozoic and older Snowshoe Group metasediments of Omineca terrane to the east. The thrust is assumed to underlie No-Name valley, continuing northward along Ruth Redfern creek, and bending eastward in Spanish valley to the south (FIG. 4). Snowshoe Group comprise quartz-mica schist and gneiss, quartzite, amphibolite and calc-silicates which are highly metamorphosed, folded and faulted. These have been intruded by granite to granodiorite of the Deception stock or apophyses of same. Both the metasediments and intrusive rocks are variably invaded by pegmatitic to aplitic granite dykes and/or sills and all rock types are cut by quartz veins and lenses of varying attitudes and intensities. Four separate zones were detected during this phase of the program. The most important is the FOX skarn showings which is detailed in a separate section. The following discusses the other three zones.

The first is represented by a lowly anomalous stream sediment sample and was discussed in the previous section (HUM99 DS3). The second is situated on the southeast flank of the knoll forming a ridge between Deception creek to the north and Spanish creek to the south. The rocks comprise quartz-biotite-muscovite and quartz-biotite-chlorite schist forming generally east to east-northeast trending beds, dipping gently to the south. Quartz



**FIGURE 3:** Intrusive rocks of Cretaceous age are shown and target areas are indicated. The Intermontane-Omineca tectonic boundary is shown as a heavy, broken line with teeth on the older continental rocks. The line roughly outlines the trace of the Eureka thrust fault which separates the two terranes.  
 (to accompany Prospecting Proposal by DW Ridley, Feb. 1999)

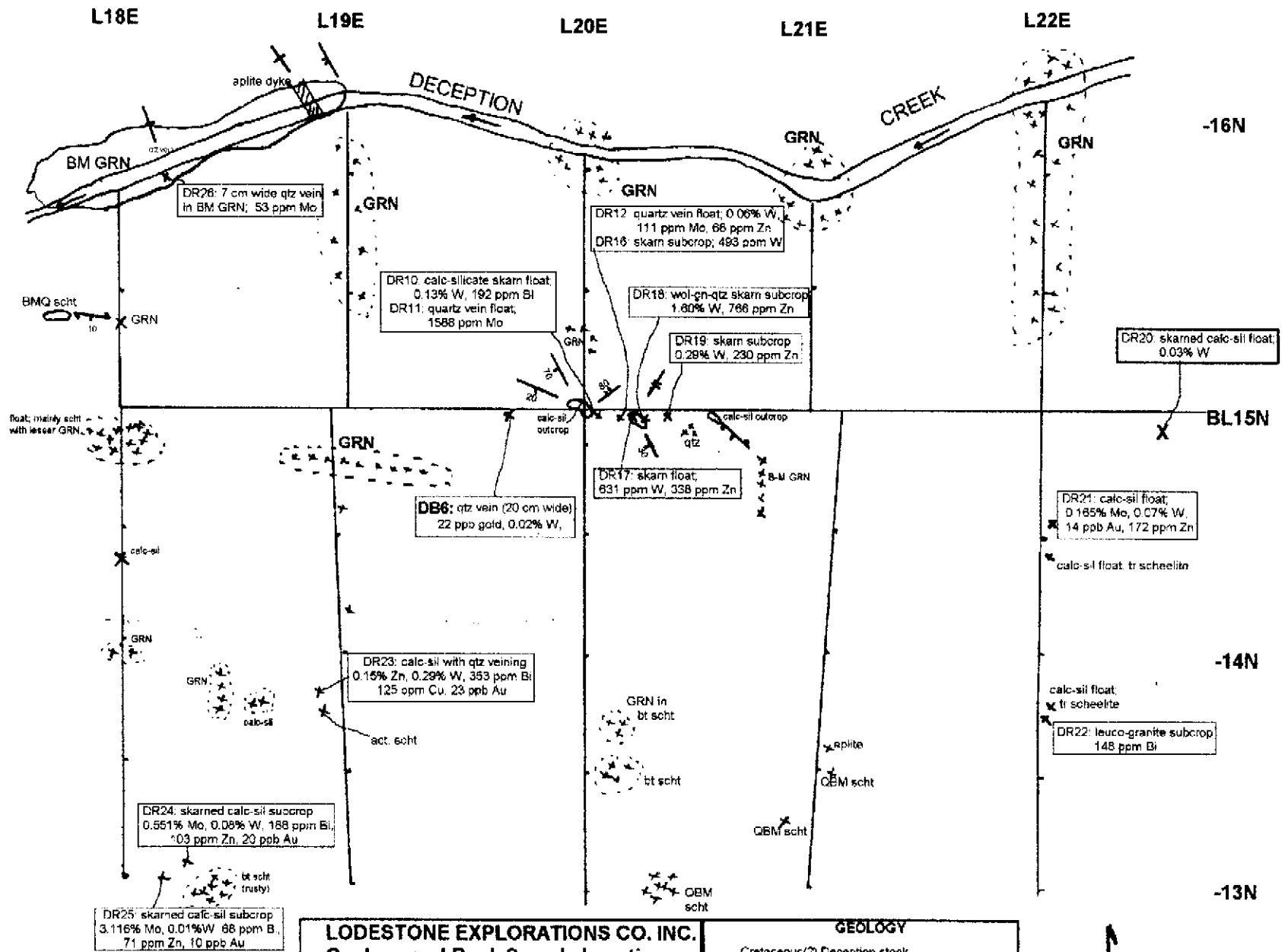
veins and lenses are common particularly along bedding planes. A grab sample by D. Blann from the southeast edge of the knoll of quartz vein material returned 38 ppb gold and 16 ppm tungsten (HUM99 DB9). The third zone is situated immediately east of the FOX claims and occurs along a logging arterial road branching to the southeast at 7215 kilometer post. A float boulder, found in stream HUM99 DS8, and consisting of medium grained, muscovite-altered, granite cut by a quartz stockwork containing 1-2% pyrrhotite, minor euderal pyrite crystals, and trace chalcopyrite was sampled. This material returned 40 ppm tungsten and 50 ppm bismuth (HUM99 DR8). Another float sample, taken by Blann along the road about 400 meters northwest, returned 33 ppb gold (HUM99 DB10). Additional recon prospecting should be conducted around these zones as well as the remainder of Deception valley.

### **1999 Prospecting and Rock Sampling**

Initial prospecting along the 7200 road found a poorly exposed 25 cm wide quartz vein in the road bank near 14.5 kilometer. A grab sample by Blann returned 22ppb gold, 142 ppm tungsten, and 10 ppm bismuth (HUM99 DB6). Ridley subsequently completed two night traverses utilizing an ultra-violet light from 14 kilometer to the end of the 7200 road. This work indicated widespread scheelite float and grains in soil and till from DB6 to the 7215 kilometer post. Several float samples were collected and analyzed between 14 and 15 kilometer which indicated good potential for economic mineralization in the area. A small grid was established and detailed prospecting and rock sampling followed by soil sampling was carried out. This work returned values up to 3.116% molybdenum, 1.6% tungsten, and 0.15% zinc. Geochemical zoning from tungsten to molybdenum-rich mineralization is indicated. The following discusses significant rock sample results from the FOX grid. Sample analysis and rock sample description sheets are included in the appendix while locations are plotted on FIGURE 5.

The FOX 1-4 claims are underlain by quartz-biotite schist, calc-silicate schist and gneiss which are variably intruded by biotite-muscovite granite of Deception stock. Skarn alteration of calc-silicate rocks carry molybdenum-tungsten and lesser zinc values. Outcrop is scarce and most sampling is of angular float boulders which are believed close to source and, in some cases, may be subcrop rubble. The most extensive exposures occur along the 7200 road while the intrusive forms large outcrops along Deception creek.

Calc-silicate rocks consist of a fine grained layered assemblage of quartz-rich reddish garnet and greenish diopside(?), actinolite and wollastonite are found in skarn-altered sections. Quartz veins are common in all rock types and at least 2 or 3 generations of veining are evident. A float boulder about 25 meters east of DB6, consisting of calc-silicate gneiss cut by 20 cm wide milky quartz vein returned 0.13% tungsten and 192 ppm bismuth (HUM99 DR10). Quartz-rich wollastonite skarn float boulders at BL15N; 20+30E carry abundant disseminated pyrrhotite and scheelite, with lesser black



**LODESTONE EXPLORATIONS CO. INC.**  
**Geology and Rock Sample Locations**  
**FOX 1-4 PROPERTY**  
**Deception Creek Area, BC**  
**Cariboo Mining Division; NTS 93A\2E**  
**DW RIDLEY; January 2000 FIG. 5**  
**Scale 1:2500**  
 to accompany technical report by DW Ridley for BC Prospectors  
 Assistance Grant #99-2000 P-62

**GEOLOGY**

Cretaceous(?) Deception stock

BM GRN biotite-muscovite granite  
 GRN undifferentiated granite to granodiorite  
 (aplitic to pegmatitic phases)

Paleozoic and older(?) Snowshoe Group

QBM scht quartz-biotite-muscovite schist  
 bt scht biotite schist  
 act scht actinolite schist  
 calc-sil calc-silicate banded schist

N

(note sample prefix HUM99..)

sphalerite and trace chalcopyrite. A sample from this material returned 1.60% tungsten, 766 ppm zinc, and 28 ppm bismuth (HUM99 DR18).

A grab from probable subcrop, 5 meters east of DR18, consisting of calc-silicate gneiss cut by numerous quartz veins to 10 cms wide trending 200\60W returned 0.29% tungsten and 230 ppm zinc (HUM99 DR19). Calc-silicate float near L22E;14+50N returned 0.165% molybdenum, 0.07% tungsten, 172 ppm zinc, and 12 ppb gold (HUM99 DR21). This rock is rusty-weathering, carries 1-3% disseminated pyrrhotite, with lesser molybdenite and black sphalerite, and is cut by numerous small, amber-coloured quartz veinlets. Fine grained leuco-granite, exposed at L22E;13+75N, is cut by quartz veins carrying tiny euhedral pyrite cubes and abundant sericite alteration returned no anomalous values other than 148 ppm bismuth. A sample from a pyrrhotite-rich quartz vein cutting biotite-muscovite granite located on Deception creek near L18E;16N returned 58 ppm molybdenum (HUM99 DR26).

Several angular float boulders consisting of calc-silicate with attendant quartz veining, found about 10 meters northwest of L20E;13+75N, represent probable subcrop rubble. A grab sample from one boulder carrying visible sphalerite, scheelite and trace chalcopyrite returned 0.15% zinc, 0.29% tungsten, 353 ppm bismuth, 125 ppm copper, and 23 ppb gold (HUM99 DR23). Two samples from the southwest corner of the grid were found to be highly anomalous in molybdenum. The rock consists of skarn-altered (actinolite-garnet) calc-silicate that is typically devoid of sulphides other than molybdenite. This area contains numerous angular float boulders of similar composition and are likely frost-heaved blocks from an underlying bedrock source. A grab sample of this material, situated about 25 meters northeast of L18E;13N, returned 0.551% molybdenum, 0.08% tungsten, 188 ppm bismuth, 103 ppm zinc, and 20 ppb gold (HUM99 DR24). A second sample from similar material but with greater moly content, situated about 10 meters west of DR24, returned 3.116% molybdenum, 0.01% tungsten, 68 ppm bismuth, 71 ppm zinc, and 10 ppb gold (HUM99 DR25).

### **1999 Soil Sampling**

A small grid was established with the baseline trending east-west along the 7200 road and north-south lines at 100 meter intervals. Samples were collected every 50 meters along the lines and at 25 meter separations along the baseline. The baseline was sampled by digging into the road bank and consisted of clay-rich grey basal till whereas sampling on lines was conducted utilizing a hand soil auger and consisted of "B" horizon material. This was to see which provided better results for subsequent sampling. The "B" horizon was found to best reflect underlying bedrock conditions and will be used for subsequent work. This material was taken from depths ranging from 10-30 centimeters below the surface. Visual examination of rock found in the hole and near the sample site was also completed. Several anomalies were detected and mineralization was found to occur within most of them. Molybdenum, tungsten, copper, and zinc values are plotted on

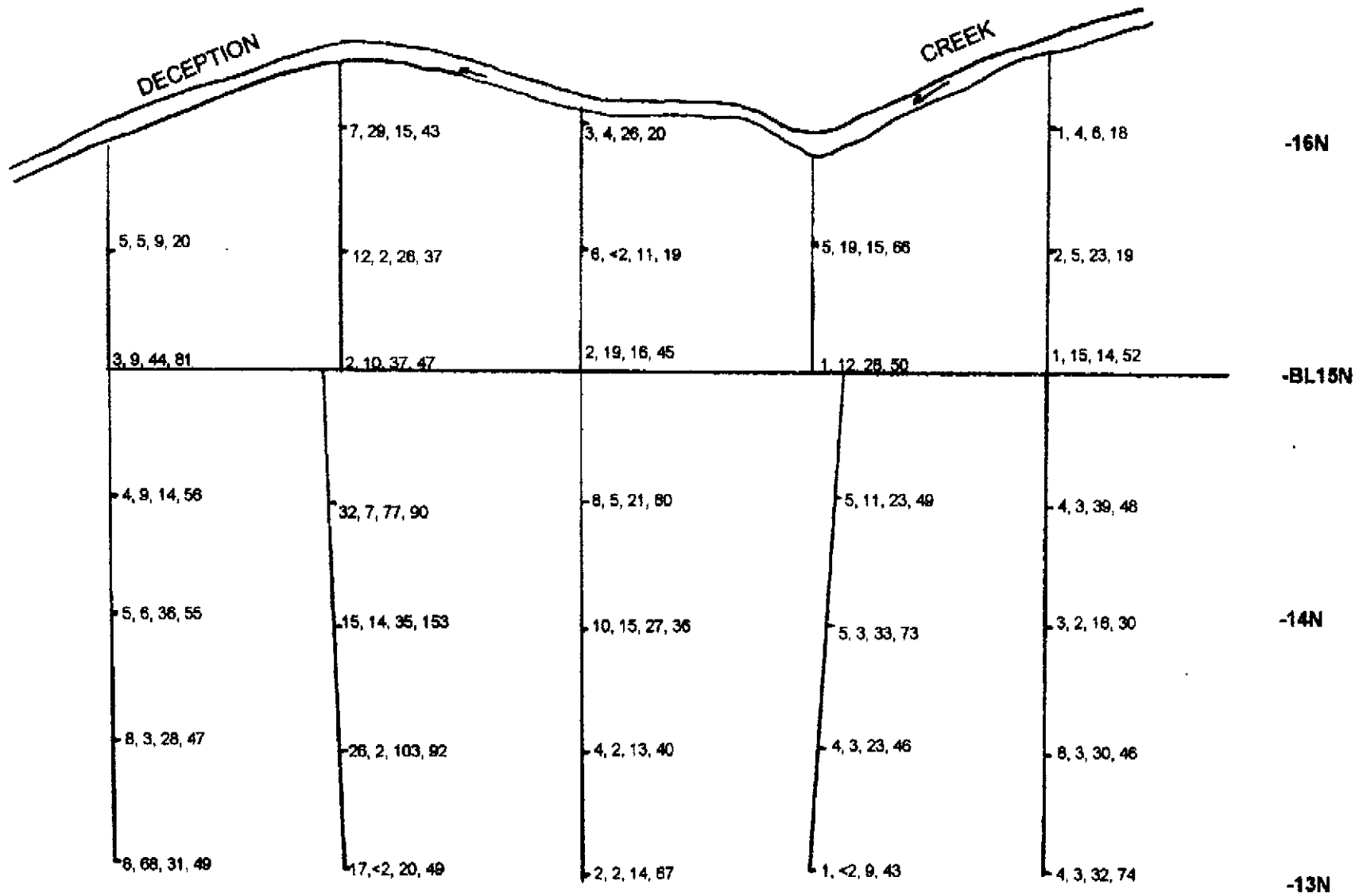
L18E

L19E

L20E

L21E

L22E



**LODESTONE EXPLORATIONS CO. INC.**  
 Mo-W-Cu-Zn Soil Geochemistry  
**FOX 1-4 PROPERTY**  
 Deception Creek Area, BC  
 Cariboo Mining Division; NTS 93A12E  
 DW RIDLEY; January 2000  
 Scale 1:2500  
 to accompany technical report for BC Prospectors  
 Assistance Grant #99-2000 P-82



FIGURE 6 and analysis results are included in the appendix. A total of 45 soil samples were collected from the grid.

Molybdenum values are up to 32 ppm and form an anomaly 100x200 meters which is open to the southwest. It is interesting to note that the highest rock sample contained 3.116% molybdenum, however, soil in this area showed only 8 ppm molybdenum. Tungsten forms a linear east-west trending anomaly roughly following the baseline and is open to the east. Values are up to 19 ppm tungsten and anomalous results were expected here following night traverses with an ultra-violet light. Rock sampling returned up to 1.60% tungsten. A second tungsten anomaly was detected between L20E and L19E at 14N. Values are in the 14-15 ppm tungsten range and subcrop on the west side was found to contain up to 0.29% tungsten. A third spot anomaly bears mention. It is situated at L18E:13N and returned 68 ppm tungsten which was the highest value found on the grid. Copper does not form a discernible anomalous pattern although two samples can be considered anomalous. These occur within the moly anomaly, flanking the second tungsten anomaly, and returned values of 77 and 103 ppm copper. Zinc forms an anomaly up to 150x200 meters and is open to the west. Values range between 55 to 153 ppm. Rock sample DR23 with 0.15% zinc is situated near the center of the anomaly. Elsewhere zinc forms several spot anomalies.

### **Conclusions**

Based upon the results of the 1990 work program it can be concluded that the FOX property and surrounding country contains good potential for Mo-W (Zn) skarn along the margin of Deception stock. Precious and/or base metal quartz veins may occur further away from the intrusive contact in Paleozoic and older(?) metasedimentary rocks.

### **Recommendations**

The 1999 grid should be expanded to cover the entire 4 units with lines at 100 meters and soil samples every 50 meters along the lines. The area of known showings should be gridded with 50 meter lines to obtain more detail. Prospecting and geological mapping would be carried out on the expanded grid. Additional claim satking is warranted both around the FOX and in the general area. A ground magnetometer-VLF-EM geophysical survey would be helpful for mapping purposes. This work is aimed at providing definitive machine trenching and/or diamond drill targets.

**FINANCIAL STATEMENT  
ON THE  
FOX 1-4 MINERAL CLAIMS  
CARIBOO MINING DIVISION  
JUNE 2000**

**PERSONELL:**

D. Ridley, prospector, 10D @ \$225/day.....	\$2250.00
D. Blann, geologist, 5D @ \$300/day.....	\$1500.00

**TRAVEL:**

Truck Rental: 10D @ \$45/day.....	\$ 450.00
Gas: .....	\$ 150.00

**SAMPLE ANALYSIS:**

Rocks: 28 @ \$18.75 each .....	\$ 525.00
Soils: 45 @ \$ 8.00 each.....	\$ 360.00

**SHIPPING:.....** \$ 40.00

**FIELD SUPPLIES.....** \$ 50.00

**REPORT PREPARATION:.....** \$ 400.00

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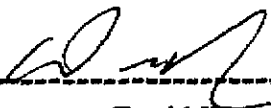
**TOTAL EXPENDITURES FOR 1999 WORK PROGRAM** **\$ 5725.00**

**STATEMENT OF QUALIFICATIONS**

I, David Wayne Ridley, P.O. Box 77, Eagle Creek, BC, V0K 1L0, do hereby certify that;

- 1) I completed the "Mineral Exploration for Prospectors" course, hosted by the BC Ministry of Mines at Mesachie Lake, BC in 1984.
- 2) I completed the short course entitled "Petrology for Prospectors" held in Smithers BC and hosted by the Smithers Exploration Group in 1990 and 1994.
- 3) I have prospected independently since 1982 and have been employed as a prospector by various exploration companies in BC, Alaska, and Yukon Territory since 1984.
- 4) I conducted the work set out in this report.
- 5) I currently own a            interest in the subject property.

Dated at Hawkins Lake, BC, June 5, 2000

  
-----  
David Wayne Ridley

# ROCK SAMPLE SHEET

Sampler D. Ridley  
 Date June - July 1999

(PAG/99)  
 Property HUM AREA (7200 Road) Page ① of

NTS \_\_\_\_\_

## DESCRIPTION

## ASSAYS

SAMPLE NO.	Sample Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
		Rock Type	Alteration	Mineralization		Au	W	Mo	Zn	Cu
HUM99 DR1	F	felsic granite	clay, quartz garnet?	minor pyrite trace molybdenite	end of 7200 road @ new bridge: gray gtz vein 1cm wide contains trace moly:	<2	10	36	2	4
HUM99 DR2	1m	granite pegmatite dyke	clay, quartz	trace pyrite	at 1290m: ± 35m W of edge of clearcut above DR1: dyke cutting gtz-biotite schist: probable trend 120/90: vugs within dyke contain quartz + muscovite crystals.	<2	10	2	13	9
HUM99 DR3	1.5m	chlorite schist, amphibolite gneiss	garnet, biotite	trace pyrite	west side Nickel Creek just above 17 <sup>th</sup> tributary: salination @ 075/355	<2	4	2	63	15
HUM99 DR4	35cm	qtz vein in gtz-mica schist	none noted	no visible sulphides	"A" road @ west end upper clearcut beside road: 15cm wide gtz vein	<2	12	3	40	27
HUM99 DR5	F	white gtz vein	limonite	trace pyrite	± 84m west of DR4: very angular: probable subcrop.	3	14	3	13	10
HUM99 DR6	F	"	biotite muscovite	no visible sulphides	@ 560m west of DR4: patchy "amber-coloured" quartz + vugs with muscovite-quartz crystals.	<2	19	4	3	11
HUM99 DR7	F	calc-silicate	carbonate, quartz, diopside?	up to 1% pyrrhotite trace chalcopyrite.	common float (quite angular), found around stream HUM99D5A:	3	7	2	15	27
HUM99 DR8	F	med-grain granite	quartz stockwork, muscovite	1-2% pyrrhotite minor subhedral pyrite trace chalcopyrite	@ DR7: angular float: # 50 ppm Bi #	2	40	3	12	50
F HUM99 DR9	F	quartz vein	limonite	up to 1% pyrite	@ junction of 7200 + "C" roads: very angular: likely subcrop. # 130 ppm Bi #	<2	17	4	2	95
F HUM99 DR10	F	"	"	pyrite to 1%	@ 240m east of HUM99DR6 on 7200 road: in skarned calc-silicate rocks: # ASSAY 0.13% W # # 192 ppm Bi # (FOX claims)	4	11/60	3	85	69
F HUM99 DR11	F	"	"	pyrite to 1% minor molybdenite	@ DR10: trace molybdenite seen in outcropping gtz veins just above this sample: needs trenching to uncover true extent of mineralization. (FOX)	2	71	15/8	78	37
F HUM99 DR12	F	"	"	pyrite to 1% minor molybdenite-sphalerite.	@ DR10 + 11: angular float: calc-silicate beds trend 100/305 # ASSAY 0.06% W # (FOX)	<1	431	111	68	106
F HUM99 DR13	G	calc-silicate	K-spar garnet quartz	minor pyrrhotite trace chalcopyrite	@ junction 7200 + "C" road: near 7215 km post. grab from subcrop rubble over 50cm square: needs trenching.	<1	97	8	28	36
F HUM99 DR14	G	"	quartz veinlets	minor sphalerite as fracture fillings trace molybdenite	± 15m east of DR13:	<1	72	25	122	161
F HUM99 DR15	G	felsic granite	quartz stockwork	no visible sulphides	@ 15m west of 7215 junction: sheeted gtz veinlets @ 280/70N: # 113 ppm Bi #	16	11	8	8	12

C-CHI G-GRAB F-FLOAT

Sampler D. Ridley  
Date July - Oct/99

(PAGE/99)

Property HUM AREA (7200 Road)

Pg @ of

NTS \_\_\_\_\_

## DESCRIPTION

## ASSAYS

SAMPLE NO.	Sample Width	Rock Type	Alteration	Mineralization	ADDITIONAL OBSERVATIONS	ASSAYS				
						Au	W	Mo	Zn	Cu
F HUM99 DR16	G	skarn	garnet actinolite quartz	minor pyrrhotite	⊙ DR12: boulder = 35cm diameter: outcrop nearby is calc-silicate:	<1	493	3	66	37
F HUM99 DR17	G	"	"	"	⊙ 4 m east of DR16: good response to u.v. light	1	631	3	338	88
F HUM99 DR18	G	"	"	up to 1% pyrrhotite trace chalcopyrite- sphalerite	⊙ 5m east of DR17: good response to u.v. light * ASSAY 1.60% W *	<1	701	21	766	120
F HUM99 DR19	G	"	"	1-2% pyrrhotite trace chalcopyrite- sphalerite	⊙ 5m east of DR18: probable subcrop: trend to mineralized zone 200/60W: possibly en-echelon veins. * ASSAY 0.29% W *	<1	218	2	230	80
F HUM99 DR20	F	"	calc-silicate	trace pyrrhotite	⊙ 241 m east of I.P. for Fox 1-4 claims: along 7200 road. * ASSAY 0.03% W *	<1	162	15	41	66
F HUM99 DR21	F	calc-silicate	limonite qtz vein 0.5m	minor molybdenite- trace sphalerite- scheelite	≈ 6m NE of LZ2E: 14150N: * 109 ppm Bi    ⊙ Assay 0.165% Mo: 0.07% W	14	639	188	172	119
F HUM99 DR22	F	leuco granite	quartz veins- sericite	minor euhedral pyrite trace sphalerite??	≈ 5 m NE of LZ2E: 13175N: * 148 ppm Bi	4	8	8	13	23
F HUM99 DR23	G	calc silicate	quartz veining	minor sphalerite- scheelite trace cpy	probable subcrop ⊙ ≈ 10m NW of LZ0E: 13175N: * 353 ppm Bi    Assay 0.15% Zn: 0.29% W	23	303	6	175	125
F HUM99 DR24	G	skarned calc-silicate	actinolite? garnet quartz	up to 1% dissem. molybdenite	⊙ 18+10N: 18+25E: many much similar material in vicinity: probable subcrop * 188 ppm Bi    Assay 0.551% Mo: 0.08% W.	20	806	520	103	23
F HUM99 DR25	G	"	"	up to 3% dissem+ fracture-fill molybdenite	⊙ 10 m W of DR24: probable subcrop * 68 ppm Bi    Assay 3.116% Mo: 0.01% W	10	98	303	71	28
F HUM99 DR26	G	biotite muscovite granite	quartz vein (7cm) sericite??	up to 2% pyrrhotite along vein margins	≈ 25 m upstream of LIBE on Deception Creek.	<1	12	53	5	5

C-CH 6-GRAB F-FLOAT

GEOCHEMICAL ANALYSIS CERTIFICATE



Lodestone Explorations Co. Inc. PROJECT PAG/99 File # 9902479

P.O. Box 77, Eagle Creek BC V0K 1L0 Submitted by: D. Ridley

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
HUM99 DS1	<1	9	3	40	<.3	33	9	351	1.85	<2	<8	<2	3	20	.2	<3	<3	19	.31	.056	15	23	.52	70	.10	<3	1.16	.01	.24	<2
HUM99 DS2	<1	18	7	49	<.3	190	24	529	2.17	<2	<8	<2	2	14	.3	<3	<3	25	.30	.036	11	62	1.85	66	.09	5	1.76	.02	.13	<2
HUM99 DS3	1	66	16	126	.5	117	23	844	3.99	21	<8	<2	7	68	.6	<3	4	52	.86	.064	56	60	.88	206	.21	3	3.90	.06	.62	<2
HUM99 DS4	1	6	7	35	<.3	14	11	352	2.38	<2	<8	<2	3	11	<.2	<3	<3	18	.21	.058	12	22	.45	59	.10	3	.98	.01	.22	<2
HUM99 DS5	<1	3	5	29	<.3	17	5	125	1.51	<2	<8	<2	4	3	<.2	<3	<3	19	.06	.018	12	28	.53	58	.15	<3	1.16	.01	.25	<2
HUM99 DS6	<1	2	<3	9	<.3	9	2	50	.41	<2	<8	<2	2	4	<.2	<3	<3	4	.11	.033	8	7	.14	22	.03	4	.34	.01	.05	<2
HUM99 DS7	<1	18	8	67	<.3	80	43	942	2.18	<2	<8	<2	<2	19	.3	<3	<3	30	.25	.055	15	59	.87	94	.10	<3	1.90	.02	.22	<2
HUM99 DS8	<1	12	3	33	<.3	137	16	384	1.71	<2	<8	<2	3	12	.2	<3	<3	19	.25	.065	13	47	1.57	61	.07	4	1.04	.01	.19	2
71599 DS1	<1	40	8	90	.3	85	27	602	3.77	2	<8	<2	3	67	.6	<3	<3	71	1.12	.087	20	56	1.56	250	.21	3	2.37	.08	.35	<2
71599 DS2	<1	21	7	76	<.3	41	15	403	2.72	<2	<8	<2	4	23	<.2	<3	<3	37	.37	.074	16	31	.97	90	.17	3	1.32	.03	.37	<2
71599 DS3	1	17	10	78	<.3	47	21	720	2.96	<2	<8	<2	5	25	<.2	<3	4	39	.31	.061	16	37	.82	132	.18	<3	1.87	.03	.51	<2
71599 DS4	1	16	8	56	<.3	41	19	3092	6.01	<2	<8	<2	2	96	.9	<3	<3	59	.98	.085	21	38	.72	165	.14	<3	1.75	.05	.15	<2
P99 DS1	<1	25	6	48	<.3	32	12	286	2.47	<2	<8	<2	5	28	.2	<3	<3	36	.39	.084	19	30	.70	123	.16	3	1.49	.03	.47	<2
P99 DS2	<1	18	6	39	<.3	34	11	312	2.47	<2	<8	<2	5	31	<.2	<3	<3	33	.44	.051	25	33	.75	117	.14	<3	1.65	.02	.37	<2
RE P99 DS2	1	18	6	38	<.3	31	11	260	2.36	<2	<8	<2	5	30	<.2	<3	<3	32	.43	.055	24	32	.72	109	.14	<3	1.61	.02	.35	<2
P99 DS3	<1	14	6	36	<.3	27	10	289	2.04	<2	<8	<2	3	19	<.2	<3	3	30	.29	.052	15	26	.61	86	.12	<3	1.39	.02	.27	<2
P99 DS4	<1	9	6	28	<.3	19	7	204	1.65	<2	<8	<2	3	16	<.2	<3	<3	31	.26	.047	11	24	.45	66	.08	<3	.93	.02	.17	<2
P99 DS5	<1	23	6	52	<.3	37	13	319	2.55	<2	<8	<2	4	32	<.2	<3	<3	42	.56	.085	23	37	.81	121	.16	<3	1.68	.02	.33	<2
P99 DS6	1	16	6	33	<.3	26	9	223	1.87	<2	<8	<2	2	24	<.2	<3	<3	33	.51	.054	21	30	.48	104	.11	<3	1.19	.02	.21	<2
P99 DS7	1	20	5	47	<.3	36	11	276	2.31	2	<8	<2	4	40	<.2	<3	<3	39	.47	.066	15	35	.71	106	.13	<3	1.39	.03	.30	<2
STANDARD C3	26	68	35	165	6.0	37	13	781	3.53	59	22	2	19	29	23.5	16	25	82	.59	.089	19	170	.63	153	.10	21	1.90	.04	.16	20
STANDARD G-2	1	3	<3	40	<.3	7	5	519	2.06	2	<8	<2	4	69	<.2	<3	3	40	.63	.092	7	72	.61	220	.14	<3	.91	.08	.45	2

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 5ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMITED FOR NA K AND AL.  
- SAMPLE TYPE: SILT Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns

DATE RECEIVED: JUL 27 1999 DATE REPORT MAILED: *July 30/99* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Lodestone Explorations Co. Inc. PROJECT PAG/99 File # 9901947

General Delivery, Eagle Creek BC V0K 1L0 Submitted by: D. RIDLEY



SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
71599DR1	<1	8	5	23	<.3	12	5	166	1.08	<2	<8	<2	5	1488	.5	<3	<3	13	19.81	.030	15	18	.31	9	.06	<3	.99	.16	.20	3	4
71599DR2	2	6	4	4	<.3	7	2	214	.50	<2	<8	<2	2	217	.2	<3	<3	3	5.02	.008	4	25	.06	<1	.02	<3	.42	.03	.02	12	<2
71599DR3	2	6	7	15	<.3	2	1	158	.65	3	<8	<2	3	23	.4	<3	<3	2	.30	.070	7	17	.12	17	.02	<3	.37	.04	.15	8	<2
71599DR4	1	32	13	43	<.3	28	11	276	2.06	3	<8	<2	9	183	.3	<3	<3	36	3.02	.066	38	39	.41	99	.18	6	3.41	.26	.52	4	2
71599DR5	4	151	55	142	.4	20	19	266	4.10	<2	<8	<2	7	434	.5	<3	<3	9	5.40	.071	22	19	.11	10	.06	3	3.55	.18	.03	1178	<2
71599DR6	2	51	8	49	.3	95	23	306	2.47	<2	<8	<2	4	316	.7	<3	<3	27	5.96	.126	17	47	.15	93	.18	5	5.73	.69	.06	38	23
71599DR7	2	17	5	29	<.3	21	10	136	1.43	<2	<8	<2	5	212	.5	<3	7	8	4.71	.042	23	26	.11	84	.07	3	5.28	.39	.05	10	81
71599DR8	1	2	13	2	<.3	2	<1	191	.35	2	<8	<2	<2	6	.2	<3	<3	<1	.32	.126	2	18	<.01	10	<.01	<3	.20	.03	.17	8	9
71599DR9	3	11	11	61	<.3	20	10	459	2.85	<2	<8	<2	8	4	<.2	<3	8	46	.10	.031	25	52	.89	89	.28	<3	1.89	.04	1.28	9	4
HUM99DR1	36	4	7	2	<.3	5	1	113	.39	<2	<8	<2	3	4	.3	<3	10	1	.02	.004	6	24	.01	14	<.01	<3	.18	.04	.11	10	<2
HUM99DR2	2	9	14	13	<.3	3	1	101	.56	<2	<8	<2	6	2	.3	<3	8	1	.05	.017	8	16	.01	15	<.01	3	.26	.05	.14	10	<2
HUM99DR3	2	33	15	63	<.3	51	17	1045	2.52	<2	<8	<2	3	211	.2	<3	<3	23	2.58	.011	14	38	.86	80	.17	4	3.41	.11	.08	4	<2
HUM99DR4	3	27	10	40	<.3	14	6	227	2.62	<2	<8	<2	5	7	<.2	3	4	29	.12	.050	21	45	.54	97	.22	<3	1.15	.02	.78	12	<2
HUM99DR5	3	10	7	13	<.3	7	2	134	1.03	3	<8	<2	3	33	.3	<3	3	14	.42	.007	7	41	.16	42	.06	<3	.84	.07	.13	14	3
HUM99DR6	4	11	3	3	<.3	7	1	101	.85	<2	<8	<2	<2	2	<.2	<3	<3	2	.03	.010	1	37	.04	12	.01	<3	.12	.01	.05	19	<2
HUM99DR7	2	27	4	15	<.3	16	5	173	1.21	<2	<8	<2	5	177	<.2	<3	<3	7	2.81	.045	22	26	.17	28	.09	<3	3.35	.29	.07	7	3
HUM99DR8	3	50	16	12	.4	20	6	209	2.01	<2	<8	<2	5	136	.2	<3	50	13	1.68	.011	14	29	.18	32	.04	3	2.34	.22	.08	40	2
HUM99DR9	4	95	5	2	.6	4	2	56	1.47	<2	<8	<2	<2	2	<.2	3	130	<1	.03	.001	<1	37	<.01	4	<.01	<3	.09	.01	.02	17	<2
RE HUM99DR9	4	96	3	1	.4	5	2	58	1.50	<2	<8	<2	<2	3	<.2	<3	134	1	.03	.001	<1	35	<.01	4	<.01	<3	.10	.02	.02	17	6
HUM99DB1	3	24	14	6	<.3	5	1	100	.89	2	<8	<2	7	3	<.2	<3	5	1	.05	.009	11	25	.03	12	<.01	<3	.19	.03	.14	12	<2
HUM99DB2	2	9	14	1	<.3	3	<1	47	.55	<2	<8	<2	5	3	.3	<3	4	<1	.03	.009	8	25	.01	17	<.01	<3	.15	.04	.12	9	2
HUM99DB3	1	11	20	29	<.3	33	6	208	1.63	<2	<8	<2	4	321	.4	<3	<3	20	3.15	.073	15	26	.24	5	.09	3	1.85	.20	.03	5	<2
HUM99DB4	1	13	8	4	<.3	6	1	108	.58	<2	24	<2	8	9	<.2	<3	3	2	.49	.021	4	8	.06	36	<.01	4	.31	.06	.15	4	<2
HUM99DB5	3	13	13	12	<.3	14	3	274	1.03	<2	<8	<2	2	245	<.2	<3	4	8	3.31	.039	8	30	.12	33	.04	<3	2.09	.10	.08	10	2
HUM99DB6	4	53	7	141	.4	19	5	478	1.62	2	<8	<2	9	349	2.9	<3	10	21	4.11	.169	35	40	.35	76	.08	7	5.15	.50	.12	149	22
HUM99DB7	3	26	7	39	<.3	15	6	164	1.91	<2	<8	<2	5	10	<.2	<3	<3	16	.18	.063	14	37	.41	60	.10	<3	.83	.02	.45	12	<2
HUM99DB8	3	7	14	18	<.3	9	2	172	1.11	<2	<8	<2	4	54	.3	<3	<3	16	.95	.078	10	44	.30	29	.04	3	1.73	.16	.20	11	2
HUM99DB9	4	4	3	2	<.3	6	1	80	.79	<2	<8	<2	<2	2	<.2	<3	<3	2	.04	.015	4	34	.13	10	.02	<3	.24	<.01	.13	16	38
HUM99DB10	1	71	5	27	<.3	45	13	189	2.32	<2	<8	<2	<2	34	<.2	<3	<3	30	.56	.059	4	85	.39	81	.25	<3	.54	.09	.21	3	33
HUM99DB11	4	10	6	4	<.3	7	1	85	.65	<2	<8	<2	<2	1	<.2	<3	3	2	.01	.002	1	33	.03	14	.01	<3	.10	<.01	.03	16	<2
HUM99DB12	2	22	9	37	<.3	17	6	319	2.63	<2	<8	<2	9	10	<.2	<3	4	58	.21	.011	10	63	.98	101	.18	3	1.36	.05	.37	7	<2
HUM99DB13	1	203	9	107	.3	97	45	846	5.61	<2	<8	<2	11	35	<.2	3	7	100	.61	.037	58	143	1.71	65	.44	8	2.18	.18	1.07	3	<2
HUM99DB14	2	31	7	49	<.3	50	15	273	2.86	<2	<8	<2	2	69	<.2	<3	<3	37	1.62	.118	12	50	.59	63	.26	3	1.18	.12	.38	8	<2
71599DB1	2	26	15	33	<.3	21	8	193	1.52	<2	<8	<2	9	263	.4	<3	5	19	4.94	.055	32	29	.22	32	.11	10	3.61	.60	.20	4	8
STANDARD C3/AU-R	26	65	36	165	5.5	37	11	781	3.33	58	17	3	19	29	23.5	22	26	82	.57	.087	19	170	.61	155	.10	19	1.83	.03	.15	20	462
STANDARD G-2	2	2	5	41	<.3	6	5	563	2.08	<2	<8	<2	3	71	<.2	<3	<3	43	.66	.094	8	79	.63	217	.15	<3	.95	.08	.48	2	<2

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.

THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMITED FOR NA K AND AL.

ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB

\* SAMPLE TYPE: ROCK AU\*\* ANALYSIS BY FA/ICP FROM 30 GM SAMPLE.

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 28 1999 DATE REPORT MAILED: Jul 2/99

SIGNED BY D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE

Lodestone Explorations Co. Inc. PROJECT PAG/99 File # 9902480

P.O. Box 77, Eagle Creek BC V0K 1L0 Submitted by: D. Ridley

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
HUM99 DR10	3	69	10	85	.4	13	6	488	1.77	10	<8	<2	6	130	1.3	4	192	14	3.19	.250	20	68	.47	18	.03	6	2.71	.12	.08	1160	4
HUM99 DR11	1588	37	<3	78	<.3	16	6	319	1.48	<2	<8	<2	8	428	.5	<3	8	15	2.70	.196	34	41	.48	180	.06	<3	3.43	.22	.19	71	2
HUM99 DR12	111	106	4	68	.4	32	13	1063	2.89	4	<8	<2	10	65	.8	<3	4	25	2.06	.303	39	57	.63	514	.02	4	1.96	.10	.25	431	<1
HUM99 DR13	8	36	4	28	<.3	18	6	340	1.55	<2	<8	<2	9	132	.2	<3	<3	19	1.88	.038	30	44	.30	31	.09	<3	1.84	.19	.11	97	<1
HUM99 DR14	25	161	<3	1222	.4	37	14	1039	3.74	2	<8	<2	13	375	29.2	<3	12	21	4.79	.101	50	50	.72	69	.06	<3	6.91	.48	.18	72	<1
HUM99 DR15	8	12	11	8	.3	4	1	80	.76	<2	<8	<2	3	2	.2	3	113	1	.03	.007	4	24	.01	13	<.01	<3	.11	.02	.09	11	16
HUM99 DR16	3	37	<3	66	<.3	13	6	550	1.54	2	<8	<2	6	162	1.0	3	11	19	5.24	.046	14	40	.35	59	.05	5	4.00	.11	.07	493	<1
HUM99 DR17	3	88	<3	338	<.3	17	8	1460	2.31	4	<8	<2	7	219	7.0	<3	7	23	5.01	.043	21	48	.59	101	.07	4	4.97	.25	.07	631	1
HUM99 DR18	21	120	<3	766	.3	21	10	1132	2.60	4	<8	<2	6	278	17.7	<3	28	21	5.11	.064	25	57	.50	44	.07	6	5.07	.28	.08	701	<1
HUM99 DR19	2	80	<3	230	.4	14	7	689	1.86	18	<8	<2	5	157	4.7	<3	16	14	4.71	.306	19	99	.35	24	.04	10	3.27	.16	.12	2186	<1
HUM99 DR20	15	66	<3	41	<.3	20	7	395	2.02	<2	<8	<2	6	290	.3	<3	<3	28	3.32	.045	28	55	.49	71	.11	<3	4.67	.32	.20	162	<1
71599 DR10	3	5	5	5	<.3	4	1	212	.41	<2	8	<2	2	4	<.2	<3	3	1	.10	.027	2	21	.02	5	<.01	<3	.22	.04	.13	21	3
71599 DR11	2	3	6	32	<.3	5	3	266	1.31	<2	<8	<2	2	7	<.2	<3	<3	6	.04	.011	8	19	.28	46	.09	<3	.72	.04	.50	11	1
71599 DR12	1	31	8	27	<.3	32	11	167	1.77	<2	<8	<2	12	168	.2	<3	<3	17	4.23	.066	49	28	.19	30	.10	5	2.66	.25	.15	6	1
71599 DR13	1	14	9	28	<.3	19	5	155	.99	<2	<8	<2	11	262	.2	<3	<3	18	4.85	.047	40	27	.34	94	.09	5	6.27	.48	.15	4	26
RE 71599 DR13	1	14	9	28	<.3	19	5	154	.98	<2	<8	<2	10	259	<.2	<3	<3	18	4.81	.046	40	28	.34	92	.09	5	6.20	.47	.15	3	27
P99 DR1	3	5	3	11	<.3	4	1	132	.74	<2	<8	<2	3	34	<.2	<3	<3	3	.10	.004	4	27	.04	47	<.01	<3	.20	.02	.09	11	1
P99 DR2	15	12	4839	14	43.5	5	1	279	1.28	<2	<8	<2	6	48	1.8	<3	310	8	.25	.027	9	21	.08	172	<.01	<3	.37	.05	.12	10	14
P99 DR3	5	11	1066	9	12.8	2	1	126	1.07	<2	<8	<2	7	34	.2	<3	106	2	.13	.014	10	10	.03	143	<.01	<3	.27	.06	.14	3	18
SP99 DR1	3	4	31	3	.4	5	1	39	.65	13	<8	<2	2	6	<.2	<3	<3	1	.01	.003	8	31	.01	370	<.01	<3	.13	.01	.07	9	2
SP99 DR2	2	5	13	3	.3	4	1	35	.74	13	<8	<2	6	7	<.2	<3	<3	2	.01	.006	14	18	.02	411	<.01	4	.25	.01	.14	7	5
SP99 DR3	2	6	13	5	<.3	3	1	43	1.49	19	<8	<2	16	23	<.2	<3	<3	5	.02	.029	63	17	.06	806	<.01	<3	.58	.01	.32	3	1
SP99 DR4	3	22	8	21	<.3	12	10	109	1.95	20	<8	<2	11	10	<.2	<3	<3	5	.03	.026	19	25	.11	165	.01	<3	.44	.01	.20	8	1
SP99 DR5	3	44	10	5	.7	19	4	58	3.32	9972	9	<2	3	5	<.2	100	<3	2	.02	.010	7	28	.03	51	<.01	<3	.22	.01	.10	17	300
SP99 DR6	11	98	6	60	.5	36	8	188	2.22	25	8	<2	5	206	.6	<3	4	194	1.26	.272	10	61	.97	183	.07	<3	1.87	.09	.28	7	3
SP99 DR7	5	14	6	20	<.3	6	1	53	.67	19	<8	<2	<2	1	<.2	<3	<3	6	.01	.003	1	31	.01	12	<.01	<3	.05	<.01	.01	10	1
STANDARD C3/AU-R	26	64	35	165	5.9	57	13	781	3.38	57	22	2	19	28	23.5	15	22	82	.58	.087	19	170	.63	148	.09	19	1.79	.04	.16	20	480
STANDARD G-2	2	3	<3	42	<.3	8	5	537	2.00	2	<8	<2	3	69	.2	<3	<3	41	.65	.095	7	74	.61	227	.13	<3	.91	.08	.48	6	<1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMITED FOR NA K AND AL.  
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
- SAMPLE TYPE: ROCK AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED. (10 gm)  
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 27 1999 DATE REPORT MAILED: July 30/99 SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE



Lodestone Explorations Co, Inc. PROJECT PAG/99 File # 9904258

P.O. Box 77, Eagle Creek BC V0K 1L0 Submitted by: D. Ridley

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HUM99 DR21	1880	119	24	172	2.9	32	12	1040	3.25	7	<8	4	13	463	3.2	4	109	25	6.72	1.158	39	56	.81	32	.05	<3	5.54	.20	.06	639	14
HUM99 DR22	8	23	17	13	.7	4	2	153	.91	2	12	<2	5	5	<.2	<3	148	1	.04	.014	4	16	.02	22	<.01	5	.26	.05	.18	8	4
HUM99 DR23	6	125	18	1757	2.7	16	10	446	2.07	19	8	<2	6	106	41.5	4	353	12	3.07	.161	17	30	.26	55	.05	9	2.28	.16	.09	3005	23
HUM99 DR24	5220	23	<3	103	<.3	22	5	368	1.39	12	<8	<2	3	568	1.0	4	188	26	7.16	.370	10	65	.37	22	.15	<3	4.55	.12	.04	806	20
HUM99 DR25	30300	28	<3	71	<.3	13	<1	417	.20	15	<8	<2	5	398	2.3	<3	68	22	7.02	.671	3	<1	.24	32	.07	<3	4.18	.14	.05	98	10
HUM99 DR26	53	5	<3	5	<.3	6	1	102	.35	<2	<8	<2	<2	4	<.2	<3	<3	1	.07	.005	<1	27	.01	3	<.01	3	.06	.01	.01	12	<1
RE HUM99 DR26	49	4	<3	5	<.3	6	1	95	.34	<2	<8	<2	<2	4	<.2	<3	3	1	.07	.005	<1	29	.01	3	<.01	4	.05	.01	.01	11	<1
STANDARD C3/AU-R	25	66	38	177	5.9	37	13	807	3.34	55	26	3	21	28	24.0	19	26	78	.56	.089	17	168	.60	144	.08	21	1.88	.04	.16	22	522

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.  
 UPPER LIMITS - AG, AU, HG, W - 100 PPM; MO, CO, CD, SB, BI, TH, U & B - 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR - 10,000 PPM.  
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
 - SAMPLE TYPE: ROCK AU\* GROUP 3A - 10.00 GM SAMPLE, AQUA-REGIA, MIBK EXTRACT, ANALYSIS BY GF/AA.  
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 3 1999 DATE REPORT MAILED: *Nov 12/99* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Lodestone Explorations Co. Inc. PROJECT PAG/99 File # 9904257 Page 1

P.O. Box 77, Eagle Creek BC V0K 1L0 Submitted by: D. Ridley

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm
F99 BL15N 18E	3	44	20	81	.4	178	31	577	4.21	<2	<8	<2	8	39	.7	<3	6	40	.37	.066	36	63	.82	208	.13	<3	4.01	.03	.59	9
F99 BL15N 18+25E	4	19	13	48	<.3	28	10	282	2.10	<2	<8	<2	7	21	.2	<3	23	22	.29	.084	22	25	.42	81	.10	<3	1.67	.02	.37	14
F99 BL15N 18+50E	3	13	9	29	<.3	22	8	246	1.63	<2	<8	<2	8	18	<.2	<3	7	16	.31	.108	22	17	.30	55	.07	<3	1.28	.02	.26	15
F99 BL15N 18+75E	4	27	10	47	<.3	38	14	396	2.25	2	<8	<2	10	19	.2	<3	8	24	.29	.093	24	27	.53	113	.12	<3	1.52	.03	.53	26
F99 BL15N 19E	2	37	8	47	<.3	38	9	283	2.08	2	<8	<2	10	35	.4	<3	4	23	.34	.086	28	26	.48	116	.10	<3	1.46	.03	.46	10
F99 BL15N 19+25E	3	31	12	53	<.3	32	8	256	2.16	2	<8	<2	9	13	.2	3	6	22	.21	.069	26	27	.49	94	.12	<3	1.88	.02	.41	14
F99 BL15N 19+50E	4	35	11	57	<.3	37	13	374	2.61	<2	<8	<2	11	19	.2	3	8	31	.22	.065	26	37	.63	186	.14	<3	2.12	.02	.66	6
F99 BL15N 19+75E	3	31	8	59	<.3	35	10	309	2.27	2	<8	<2	9	15	.2	4	4	26	.21	.068	21	29	.59	129	.13	<3	1.59	.02	.59	8
F99 BL15N 20E	2	16	5	45	<.3	25	10	270	1.83	2	<8	<2	7	15	<.2	3	<3	20	.26	.086	19	21	.43	82	.10	<3	1.35	.02	.43	19
F99 BL15N 20+25E	6	36	11	93	<.3	46	15	321	3.62	<2	<8	<2	8	25	.5	<3	6	35	.36	.094	28	38	.72	126	.14	<3	2.98	.02	.55	31
F99 BL15N 20+50E	7	45	21	76	.4	39	19	469	3.85	3	8	<2	8	17	.6	3	8	31	.24	.072	30	33	.38	96	.12	<3	2.99	.02	.31	13
F99 BL15N 20+75E	2	41	4	54	<.3	47	14	326	2.47	<2	<8	<2	11	17	.2	3	<3	27	.28	.095	27	34	.72	134	.14	<3	1.71	.03	.68	6
F99 BL15N 21E	1	28	7	50	<.3	44	13	335	2.22	3	<8	<2	9	25	.2	3	<3	25	.32	.081	25	29	.61	108	.12	<3	1.78	.03	.53	12
F99 BL15N 21+25E	1	16	5	35	<.3	30	9	245	1.70	<2	<8	<2	9	16	<.2	3	3	19	.29	.094	23	20	.47	81	.09	<3	1.21	.02	.41	14
F99 BL15N 21+50E	2	27	9	60	<.3	38	10	428	2.38	3	<8	<2	10	19	.2	<3	<3	28	.28	.086	27	30	.61	124	.13	<3	1.75	.03	.60	9
F99 BL15N 21+75E	2	29	5	62	<.3	32	11	245	2.29	3	<8	<2	10	13	.3	<3	<3	25	.26	.092	24	27	.55	111	.13	<3	1.43	.02	.60	13
F99 BL15N 22E	1	14	6	52	<.3	22	10	278	2.11	<2	<8	<2	9	11	<.2	3	<3	24	.18	.058	24	25	.45	91	.11	<3	1.37	.02	.48	15
F L18E 15+50N	5	9	10	20	<.3	10	3	111	1.58	<2	<8	<2	2	23	.2	<3	<3	31	.22	.022	13	20	.19	46	.11	<3	.77	.02	.11	5
F L18E 14+50N	4	14	10	56	<.3	17	5	265	2.95	2	<8	<2	4	37	.4	<3	<3	41	.33	.026	14	23	.23	99	.15	<3	1.03	.01	.13	9
F L18E 14N	5	36	11	55	.6	71	27	882	2.38	<2	<8	<2	<2	44	.3	<3	3	28	.51	.093	49	47	.48	112	.07	<3	2.86	.02	.22	6
F L18E 13+50N	8	28	11	47	<.3	28	6	290	2.89	3	<8	<2	3	23	.3	<3	<3	38	.19	.042	29	33	.39	116	.12	<3	1.65	.01	.24	3
F L18E 13N	8	31	14	49	.6	30	5	220	3.56	3	<8	<2	4	24	.6	<3	6	50	.27	.037	24	38	.30	127	.15	<3	1.59	.01	.23	68
RE F L18E 13N	8	33	16	52	.5	32	5	231	3.75	3	<8	<2	4	26	.5	<3	4	53	.28	.039	25	39	.32	134	.16	<3	1.67	.01	.23	65
F L19E 16N	7	15	11	43	<.3	30	6	138	1.62	3	<8	<2	4	19	.3	<3	4	45	.18	.037	17	69	.36	78	.12	<3	2.53	.01	.12	29
F L19E 15+50N	12	26	21	37	.3	14	5	186	1.42	<2	<8	<2	6	20	.5	3	5	27	.18	.015	22	25	.31	87	.14	<3	1.00	.02	.14	2
F L19E 14+50N	32	77	16	90	.8	84	18	804	3.54	2	<8	<2	3	46	.5	3	5	44	.39	.082	67	47	.55	172	.11	<3	3.14	.02	.42	7
F L19E 14N	15	35	13	153	.7	56	18	378	3.47	2	<8	<2	6	14	.5	7	<3	39	.12	.037	32	45	.50	119	.15	<3	2.82	.01	.36	14
F L19E 13+50N	26	103	21	92	.3	83	15	347	4.79	<2	<8	<2	6	14	.6	<3	7	53	.06	.037	31	61	.78	197	.19	<3	4.52	.02	.68	2
F L19E 13N	17	20	9	49	<.3	26	7	210	3.59	3	<8	<2	6	10	.2	<3	<3	53	.07	.032	23	45	.67	104	.21	<3	1.83	.01	.41	<2
F L20E 16N	3	26	14	20	<.3	21	3	88	.93	2	9	<2	<2	14	<.2	<3	3	14	.16	.068	29	25	.24	52	.05	<3	1.92	.02	.13	4
F L20E 15+50N	6	11	17	19	<.3	7	2	70	.87	2	<8	<2	4	15	<.2	<3	<3	21	.14	.016	20	18	.17	52	.13	<3	.72	.02	.12	<2
F L20E 14+50N	8	21	7	60	<.3	33	9	222	3.35	3	<8	<2	5	22	.2	3	3	40	.19	.031	21	38	.59	91	.15	<3	1.92	.01	.33	5
F L20E 14N	10	27	13	36	.3	19	21	458	2.05	<2	<8	<2	<2	19	<.2	4	<3	29	.15	.062	23	23	.25	52	.06	<3	1.90	.02	.15	15
F L20E 13+50N	4	13	7	40	<.3	17	8	250	2.16	<2	<8	<2	5	9	.2	<3	<3	35	.05	.028	22	26	.36	76	.14	<3	1.21	.01	.23	2
F L20E 13N	2	14	12	67	.3	23	7	195	3.95	3	<8	<2	6	13	.4	3	<3	53	.12	.060	20	41	.53	127	.19	<3	2.89	.01	.29	2
STANDARD C3	29	69	39	173	6.1	39	13	821	3.54	57	22	4	23	31	26.1	24	25	86	.60	.097	19	185	.62	162	.09	22	2.02	.05	.18	20
STANDARD G-2	2	3	4	43	<.3	7	4	543	2.07	<2	<8	<2	4	85	<.2	<3	<3	42	.68	.099	8	80	.59	249	.13	<3	1.09	.12	.54	2

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.  
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.  
- SAMPLE TYPE: SOIL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 3 1999 DATE REPORT MAILED: Nov 12 1999 SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
F L21E 15+50N	5	15	17	66	.6	21	8	228	3.89	6	<8	<2	7	9	<.2	3	8	47	.09	.034	16	42	.44	73	.18	<3	1.65	.01	.19	19
F L21E 14+50N	5	23	12	49	.3	21	9	308	2.26	2	<8	<2	<2	18	<.2	<3	5	27	.20	.051	23	23	.33	53	.09	<3	1.37	.01	.16	11
F L21E 14N	5	33	16	73	.4	53	11	288	3.81	<2	<8	<2	4	10	<.2	<3	<3	38	.08	.028	18	41	.61	92	.16	5	2.49	.01	.39	3
F L21E 13+50N	4	23	14	46	.3	17	13	750	2.08	3	<8	<2	2	11	<.2	<3	3	36	.08	.029	22	24	.30	71	.11	<3	1.41	.01	.20	3
F L21E 13N	1	9	12	43	<.3	10	5	181	2.08	3	<8	<2	3	8	<.2	<3	<3	35	.08	.077	17	20	.29	72	.12	<3	1.15	.01	.22	<2
F L22E 16N	1	6	5	18	<.3	5	2	68	1.00	<2	8	<2	5	10	<.2	<3	<3	31	.08	.014	16	15	.06	44	.07	<3	.37	.01	.04	4
F L22E 15+50N	2	23	8	19	<.3	11	10	175	1.05	2	<8	<2	<2	20	.5	<3	3	16	.15	.052	27	10	.06	34	.03	<3	1.57	.01	.04	5
F L22E 14+50N	4	39	14	48	.3	23	7	197	2.08	2	<8	<2	<2	20	<.2	<3	3	29	.17	.046	29	23	.33	62	.08	3	1.67	.01	.23	3
RE F L22E 14+50N	4	40	16	50	.4	24	7	199	2.16	3	<8	<2	<2	20	.2	<3	<3	30	.18	.047	30	26	.34	64	.08	<3	1.73	.02	.23	4
F L22E 14N	3	16	14	30	.4	8	3	119	1.21	3	<8	<2	<2	12	<.2	<3	<3	26	.10	.024	16	16	.13	47	.08	<3	.82	.01	.09	2
F L22E 13+50N	8	30	14	46	.4	25	10	356	2.44	2	<8	<2	2	25	<.2	<3	<3	37	.21	.030	20	30	.38	86	.13	3	1.51	.01	.30	3
F L22E 13N	4	32	11	74	.3	44	14	280	3.40	3	<8	<2	6	11	<.2	<3	<3	39	.10	.034	27	44	.74	135	.16	<3	2.60	.01	.50	3
STANDARD C3	25	66	38	177	5.9	37	13	807	3.34	55	26	3	21	28	24.0	19	26	78	.56	.089	17	168	.60	144	.08	21	1.88	.04	.16	22
STANDARD G-2	2	4	6	47	<.3	8	5	565	2.04	2	<8	<2	4	70	<.2	<3	<3	41	.63	.098	8	77	.59	224	.12	5	.95	.07	.50	4

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



ASSAY CERTIFICATE



Lodestone Explorations Co. Inc. PROJECT PAG/99 File # 9902480R  
P.O. Box 77, Eagle Creek BC V0K 1L0 Submitted by: D. Ridley

SAMPLE#	W %
HUM99 DR10	.13
HUM99 DR12	.06
HUM99 DR18	1.60
HUM99 DR19	.29
HUM99 DR20	.03
RE HUM99 DR20	.02

W BY FUSION, ANALYSIS BY ASSAY ICP.

- SAMPLE TYPE: ROCK PULP

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 11 1999

DATE REPORT MAILED: *Aug 24/99*

SIGNED BY: *Choy* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



ASSAY CERTIFICATE



Lodestone Explorations Co. Inc. PROJECT PAG/99 File # 9901947R

General Delivery, Eagle Creek BC V0K 1L0 Submitted by: D. RIDLEY

SAMPLE#	W %
71599DR5	.13
HUM99DB6	.02
RE HUM99DB6	.02

W BY FUSION, ANALYSIS BY ASSAY ICP.

- SAMPLE TYPE: ROCK PULP

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 25 1999

DATE REPORT MAILED: *Dec 9/99*

SIGNED BY: *C. Leong*

TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.  
(ISO 9002 Accredited Co.)

852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716



ASSAY CERTIFICATE



Lodestone Explorations Co. Inc. PROJECT PAG/99 File # 9904258R

P.O. Box 77, Eagle Creek BC V0K 1L0 Submitted by: D. Ridley

SAMPLE#	Mo %	Zn %	W %
HUM99 DR21	.165	-	.07
HUM99 DR23	-	.15	.29
HUM99 DR24	.551	-	.08
HUM99 DR25	3.116	-	.01
RE HUM99 DR25	3.061	-	.01

MO & ZN - MULTI ELEMENT ASSAY - 1.000 GM SAMPLE, AQUA - REGIA DIGESTION TO 100 ML, ANALYSED BY ICP-ES.

W BY FUSION, ANALYSIS BY ASSAY ICP.

- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 25 1999

DATE REPORT MAILED: Dec 9/99

SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS