DRILLING REPORT
ON
CEDAR GROUP #3A

FORT STEELE MINING DIVISION
BRITISH COLUMBIA

626700E, 5476200N UTM ZONE 11U
NTS 82G/6

For
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By
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FIGURES

INTRODUCTION:

A drilling program of twodrill holes was completed between October 1996 and May 1997 on the Cedar Group #3A. The Group comprises of five claims of 20 units each as shown in Table 1.

Two collar sites designated C8-1-96/97 and C8-2-96/97 are within a few meters of one another. Both holes were started with percussion drilling, cuttings from which were collected for every 0.61 meters and examined. Some of the cuttings were analysed for some key elements. In both of the drill holes steel casing was used and subsequently one of the holes has been by diamond drilling during the time frame of this report. Core from the diamond drilling was examined and logged. Hole C8-1-96/97 was subsequently used to supply water for the diamond drilling program.

Table 1: Cedar Group #3A:

Claim Name	Tenure No.	No. Of Units	Current Expiry Date	$ value to be applied	Years applied	New Expiry Date
Cedar #6	209753	20	99/07/05	12,000	3	02/07/05
Cedar #7	209697	20	99/06/17	12,000	3	02/06/17
Cedar #8	209698	20	99/06/17	12,000	3	02/06/17
Cedar #9	209699	20	99/06/17	12,000	3	02/06/17
Cedar #11	209709	20	00/07/07	12,000	3	03/07/07

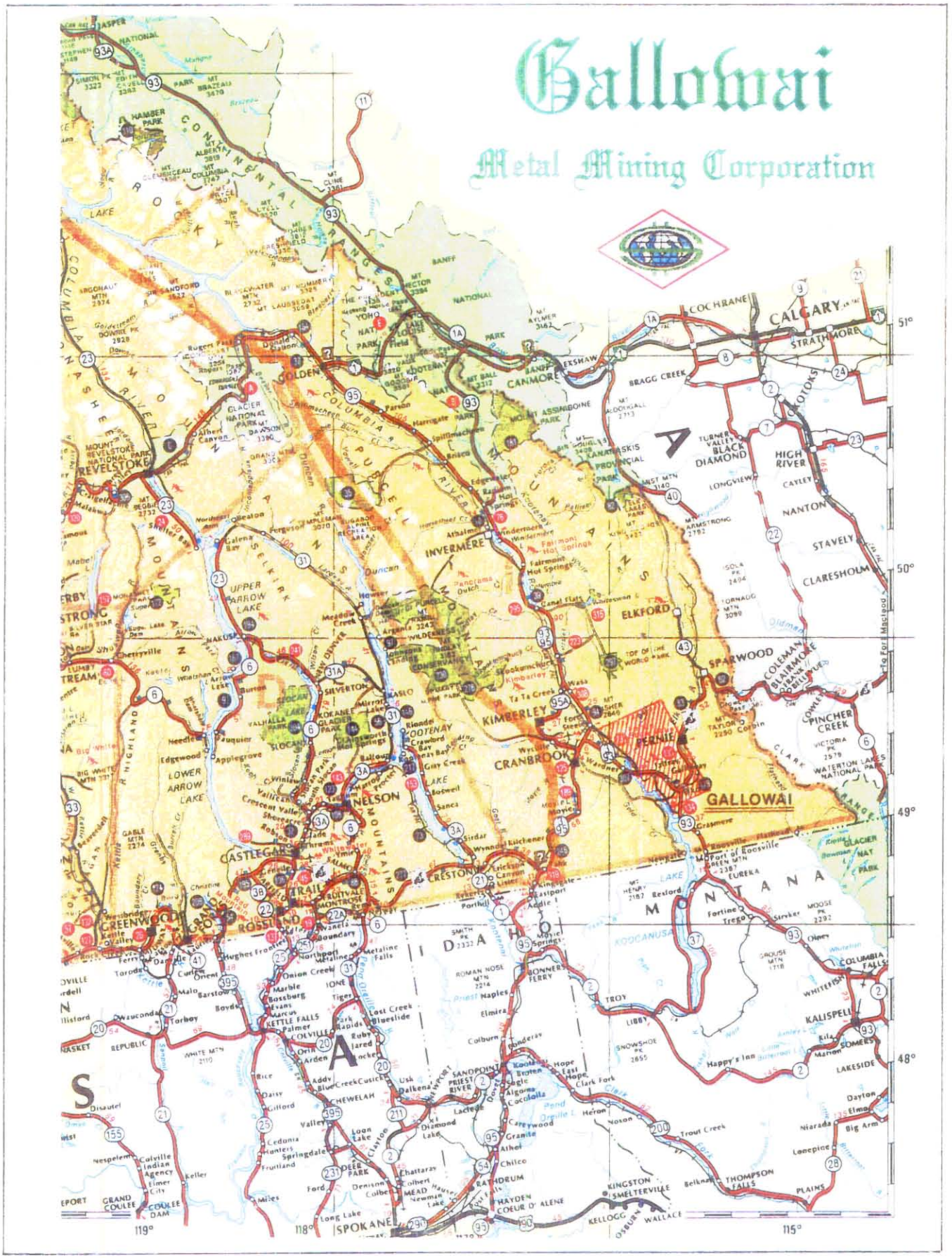
Figure 1 is a map showing the Site Location in southeastern British Columbia.

LOCATION, ACCESSIBILITY AND TOPOGRAPHY:

The claim group is in southeastern British Columbia approximately 40 kilometres by Highway 3 from Cranbrook and then approximately 4.5 kilometres by secondary road to the southwest corner of the claim group. A secondary all-weather road follows the Sand Creek valley to its headwaters and this road provides access to claim Cedar #11 and the mineralised **TOM ZONE**. A four-wheel drive road from the valley bottom north of Cedar #8 provides access to portion of Cedar #9 where the mineral deposits called the **G ZONE** is located. Access to the showings is usually possible by a short walk from several points along this road. **Figure 2** is a topographic map showing the outline of the claims, the road systems and the known mineralised zones.

The claim group is centred approximately $49^0$25'30"N, $115^0$15'W, UTM Zone 11U co-ordinates at approximate work sites on the claims at 5476200N, 626700E, in NTS quadrant 82G/6. The claims are in the Fort Steele Mining Division. Topographic relief ranges from 910 meters to 2200 meters, with steep gradients over three of the five claims in the claim group.

Fig. 1



SITE LOCATION

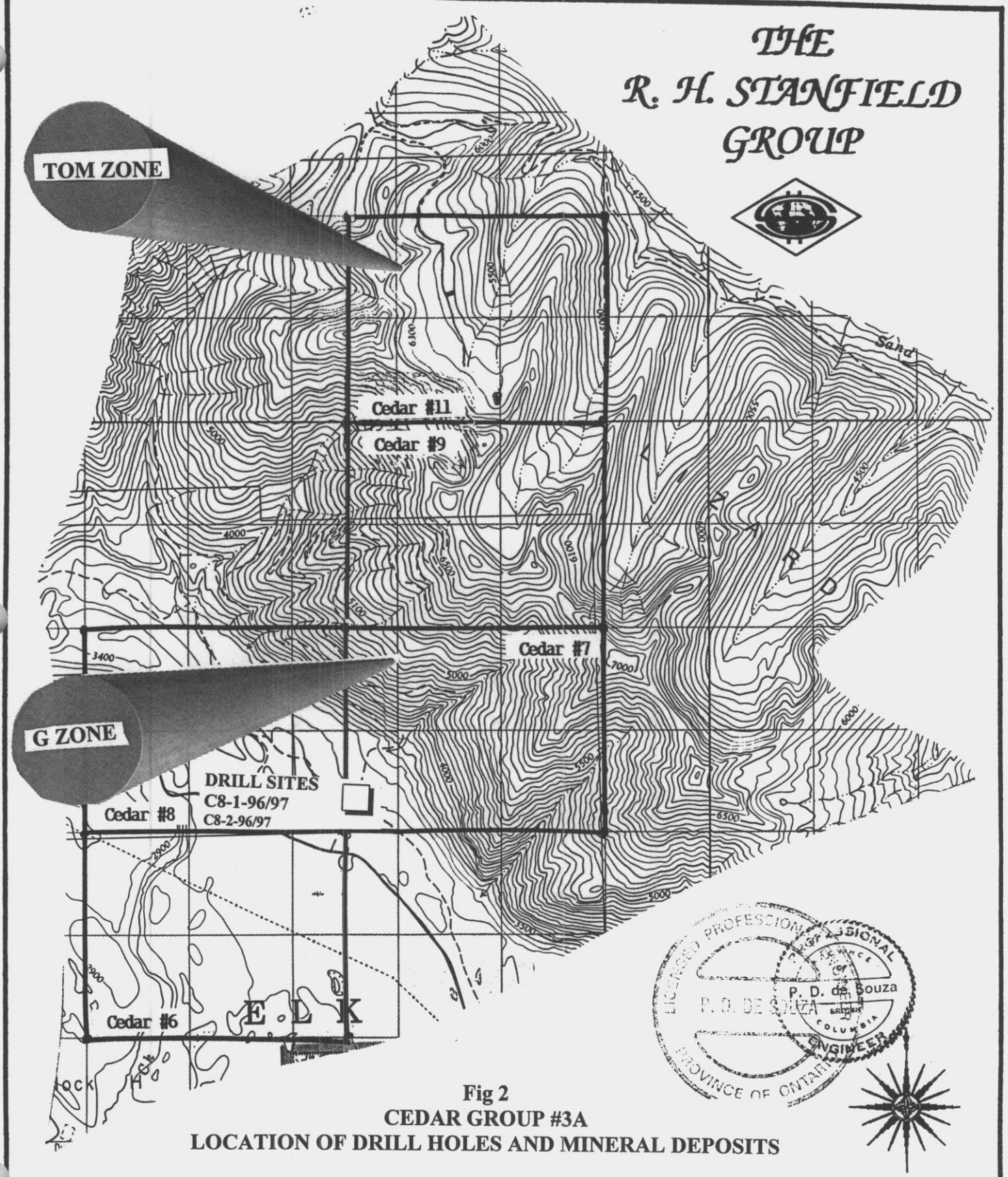


Fig 2
CEDAR GROUP #3A
LOCATION OF DRILL HOLES AND MINERAL DEPOSITS

GEOLOGY

The deciphering and understanding of the structure and structural evolution of the Rocky Mountain Trench and the western edge of the Rocky Mountains of southeastern British Columbia are necessary to determine the economic potential of the Cedar Group #3A property. In addition, the mode of occurrence of the different types of mineral deposits in the area, including the ones on the property, provide clues to the location and identification of other exploration targets.

LITHOLOGY AND STRATRIGRAPHY

The following Table (from McMechan, 1978) summarizes the lithology and stratigraphy of the area, including this property. In addition, Cretaceous-Tertiary intrusives near the margins of the Trench are worth noting. The Trench itself is filled with Pleistocene and Recent sediments of gravel, sand, silt, till, colluvium and alluvium.

UPPER DEVONIAN TO PERMIAN

Undifferentiated Fairholme Group, Palliser Formation, Exshaw Formation, Banff Formation, Rundle Group, Rocky Mountain Group: Limestone, Shale Limestone, Shale, Quartzite, and Dolomitic Quartzite.

MIDDLE DEVONIAN AND (?) EARLIER

Upper unit (Burnais and Harrogate Formations): Shaly Limestone, Shaly Dolomite, Limestone Breccia, and Gyp0sum; Basal Unit: Dolomitic Sandstone, Sandy Dolomite, Breccia, Conglomerate, and Shale

CAMBRIAN

"Tanglefoot Unit": Shaly Limestone, Limestone, Sandy Shale, and Dolomite
Eager Formation: Shale, Limestone, Siltstone, and Quartzite; Cranbrook Formation: Quartzite and Granule Conglomerate

MIDDLE PROTEROZOIC

Moyie Sill: Hornblende Metadiorite to Metagabbro

PURCELL SUPERGROUP

Phillips Formation: Red Micaceous Quartzite and Siltite
Gateway Formation: Green, Purple Siltite, Minor Quartzite, and Dolomitic Siltite near top.
Sheppard Formation: Stromatolitic Dolomite, Green, Purple Siltite, Quartzite, and Silty Dolomite
"Lava and Sediment" Unit: Massive to Amygdaloidal "Andesitic" Lava, Volcanic and Feldspathic Sandstone, Siltite, and Minor Dolomitic Siltite
"Non-Dolomitic Siltite" Unit: Green, Locally purple Siltite

KITCHENER FORMATION

Upper Unit (North of Dibble Creek Fault): Silty Dolomite, Grey Dolomitic Siltite, Grey Siltite, Sandy Dolomite, and Stromatolitic Dolomite
Lower Unit (North of Dibble Creek Fault): Green or Grey Dolomitic Siltite, Green Siltite, and minor Dolomitic Quartzite

CRESTON FORMATION
Upper Subunit: Green, Lesser purple Siltite, Dolomitic Siltite near top, white quartzite

Lower Subunit: Purple, Grey or green, very course-grained Siltite to fine-grained quartzite, white quartzite, and green, purple Siltite

Upper Subunit: Purple Siltite with white quartzite

Middle Subunit: Green Siltite

Lower Subunit: Grey Siltite (north of Bull Canyon Fault), green, fine-grained quartzite, with Grey Siltite (south of Bull Canyon Fault-Unit)

ALDRIDGE FORMATION
Grey Siltite and Argillite, with two Dolomitic Siltite Horizons near top, South of Bull Canyon Fault

Quartzite, Grey Siltite and Argillite: Quartzite predominant, Siltite and Argillite predominant

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TYPES OF MINERALISATION:

The following is a brief description of the types of mineralisation known on the property and in the surrounding area with similar to identical geology.

Quartz-Carbonate-Sulphide VEIN SYSTEMS in SHEAR ZONE envelopes:

Vein systems can be massive, tens of feet wide to a few inches width in stockworks and horsetails. Sulphides are chalcopyrite, pyrite, pyrrhotite mainly, with minor galena and arsenopyrite. Quartz is the major gangue mineral followed by carbonates (dolomite and siderite). Gold is associated with the sulphides and/or occurs as free gold in the quartz gangue and within silcified zones in the shear envelopes.

Host rocks are partly silicified and chloritised argillites, argillaceous quartzites, and quartzites mainly of the Aldridge formation. Other host rocks include the argillites of the Creston and Gateway formations. The meta diorite dykes and sills of the Moyie Sill group have some degree of spatial relationship to the vein systems, but their role in the mode of origin of mineralisation is not clear.

The Bull River Mine north of the property is an excellent example of this type of mineralisation. Other related examples of this type include the Strathcona-Empire, the Rex-Zone, the Dean Zone, the Treasure Zone, the Don and Rimrock Zones.

The G Zone on the property is a high grade silver-lead deposit associated with a shear zone striking north 65-77 degrees southeast and vertical dip. It is 3-6 metres wide. The

Tom Zone in the northern portion of the property has been reported as copper-iron mineralisation and has been explored in the past with ground based geophysical surveys.

Conformable (Syngenetic?) Massive Sulphide Deposit

These are characterised by mainly conformable (to bedding) massive sulphides within the Aldridge formation. Sulphides are galena, sphalerite, pyrrhotite, with zones of massive pyrite. Zoning of sulphides is common, so is alteration, such as chloritisation and tourmaline. The host rock lithology is very similar to the Bull River Mine. The Sullivan Mine is a prime example of this type, and is located west-northwest of the property, on the other side of the Trench. Location of a Sullivan Type of ore body east of the Trench, has been a long-term exploration goal in this part of British Columbia.

Quartz Lode Type with Sulphides and/or Free Gold:

The Cretaceous-Tertiary quartz-monzonite and granodiorite intrusives in the area have potential for this type of mineralisation, and may be source areas for some of the placer told deposits.

Vein Type Galena-Sphalerite Mineralisation associated with Major Structures:

This type of mineralisation has been found to date in the Aldridge, Creston, and the Lower Cambrian formations. Mineralisation occurs as fillings and replacement with faults and associated fissure systems. Examples of this type adjacent to the property are the Burt, OK Zones, and possibly the Great Western Zone just north of the property. The Estella Mine and the Kootenay King Mine further north of the property are also of this type, and so is the St. Eugene Mine across the Trench to the west.

STRUCTURE AND STRUCTURAL EVOLUTION

The property and the immediate area is divided into a number of tecteno-statrigraphic domains. The primary divisions include the ROCKY MOUNTAIN TRENCH on the west of the property and the WESTERN ROCKY MOUNTAINS on the east half of the property.

The Western Rocky Mountains:

The Western Rocky Mountains form the eastern edge of the Purcell anticlinorium, against the Rocky Mountain thrust belt. The geology is fairly complex, with structural evolution mainly tied to the Hosmer Thrust. This complex history is discussed in a subsequent section of the report.

The Western Rocky Mountains in this area are further subdivided into three major tecteno-stratigraphic terrains by EAST trending REVERSE FAULT SYSTEM (**see**

Figure 3). The northern segment is the STEEPLES RANGE DOMAIN, whose northern boundary is marked by the DIBBLE FAULT SYSTEM and the southern boundary by the BULL CANYON FAULT SYSTEM. The middle segment is the relatively complex SAND CREEK – LIZARD RANGE DOMAIN, that includes the Lizard Range. It is bounded in the north partly by the BULL CANYON FAULT and to the south by the SAND CREEK FAULT. Most of the Dogwood Group #1A is within this segment. Both of the Steeples and the Sand Creek – Lizard Range Domains are part of the LIZARD SEGMENT of the HOSMER THRUST, and is part of the structurally highest portion of the southern Rocky Mountains.

The southern most domain is the BROADWOOD ANTICLINE bounded in the north by the Sand Creek Fault (different that the Upper Sand Creek Fault), and has a southern boundary off the property near Mt. Broadwood.

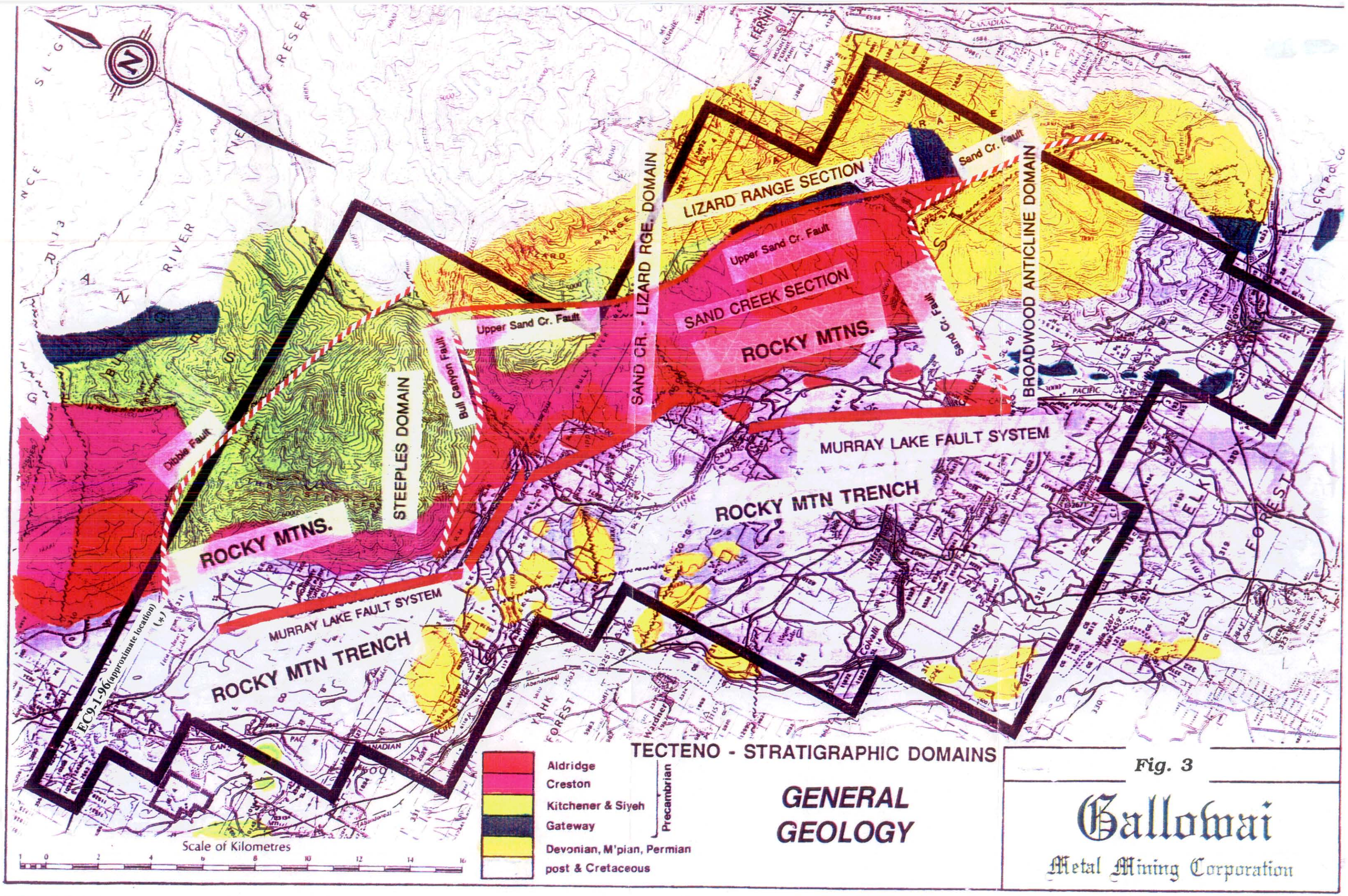
The Sand Creek – Lizard Range Domain:

This domain is divided into two longitudinal sections by the NW trending UPPER SAND CREEK thrust fault. The western segment is designated by us as the SAND CREEK SECTION, and the eastern segment is the LIZARD RANGE SECTION.

The BULL CANYON FAULT marks the northern boundary of the Sand Creek Section. It is a left-lateral reverse fault with about 2-3 km of stratigraphic separation, and dips southward. The locus of the fault suggests that its origin is tied into the stress associated with the Dibble monocline. Also, the contrasts in the Purcell succession across the fault suggest that it may follow the locus of an older structure that controlled Purcell deposition. Although the Lower Purcell group of rocks are found on both sides of the fault, the NE trending structures in the Steeples Domain, north of the fault do not extend on the hangingwall side of this fault. In addition, the large anticline north of the fault (in the Steeples Domain) is not one of the NE trending structures caused by compression during movement on the Dibble fault, but is formed during the Bull Canyon Fault displacement, and does not have a counterpart on the hangingwall (south) side of the fault.

In the Sand Creek-Lizard Range domain, the mechanics and structural history of the UPPER SAND CREEK FAULT are critical in understanding the stratigraphy of this domain. This fault is considered to be a splay from the Hosmer Thrust. The Domain is part of the HOSMER NAPPE which has a shallow NW plunge. Strata in the overturned forelimb are west dipping while strata in the backlimb a generally northeast dipping.

The Upper Sand Creek Fault cuts through this nappe, causing the backlimb and bow of the nappe to be thrust over the overturned forelimb. This has thrust the Precambrian Purcell Series of rocks from the backlimb of the nappe against the overturned Devonian and Mississipian strata of the forelimb. The Purcell Series forms a range with generally rounded slopes, and structurally also is part of the crest and east limb of an anticline



TECTENO - STRATIGRAPHIC DOMAINS

GENERAL GEOLOGY

Fig. 3

Gallowai

Metal Mining Corporation

(superimposed on the backlimb of the nappe) that plunges gently northwest. This range is the SAND CREEK SEGMENT of the domain.

East of the Upper Sand Creek Fault the second division of the domain forms the LIZARD RANGE. It essentially consists of the overturned forelimb of the Hosmer Nappe forming a prism of sediments. The backbone of the range is made up by resistant portions of Devonian and Mississipian formations, while its eastern slopes are underlain by softer Mesozoic strata.

While the north boundary of the Sand Creek segment is mainly marked by the Bull Canyon Fault, the Lizard Range segment's north end is crumpled by complex faults and nappe-like folds that are overturned to the southeast and south, causing the strata to bend sharply from a NW trend to NE near the drainage area of Iron Creek. This trend continues NE off the property to Sulphur Creek where the NW trend and folds overturned east-northeast resumes to form the mountains north of Fernie and between the upper Elk and upper Bul Rivers.

The Rocky Mountain Trench:

The Rocky Mountain Trench underlies Cedar #6 and #8 claims of the group. Topographically it is very distinct from the Rocky Mountains, and forms the valley of the Kootenay Rive system in this area. However, its true structural eastern margin is variable, partly because of thrust faulting northeastward over the tecteno-stratigraphic elements of the Rocky Mountains, and partly due to the cut back eastward of the fault-line scarp that marks the normal-faulted edge of the Trench. The longitudinal Murray Lake Fault system probably represents the pre-erosional position of the fault scarp.

In this area,the Trench is synclinal with major west dipping faults on its east side. Details of the nature of faulting are not discussed here, but features significant to the location of economic mineral deposits are referred to.

The flexuring of the Murray Lake fault system at Bull River and the NE trend portion of the Bull Canyon Fault system may be due to back-sliding (reversal of the older displacement to the NW), that also caused hinge faults transverse to the Trench, ie N and NE trends. Similar NE trends are the Sand Mountain and Supply Creek Faults in the Sand Creek Section of the Sand Creek – Lizard Range Domain of the Rocky Mountains.

Another evidence that block faulting rather than strike slip faulting resulted in the formation of the Trench in this area, is the continuation of major Paleozoic-Mesozoic structures across the trench, eg. The Moyie-Dibble Fault system. These cross features are also probably responsible for the formation of structural lows within the Trench, which are detectable by gravity surveys. One such structural low is located on the Gallowai property near Jaffray. Gravity surveys indicate that these cross features form the divides (structural highs) between these lows.

The Trench is probably located above a break in the Earth's crust formed in Precambrian time. During the deposition of the Purcell sediments the Trench marked the boundary between an ancient geosyncline to the west and an ancient shelf to the east. The uplifted terrain in the west supplied detritus intermittently through Mesozoic time. In late Cretaceous-Tertiary time this supply of detritus was cut off, perhaps due to the initial formation of the Rocky Mountain Trench. It essentially became a depositional basin in the Cenozoic.

DRILLING PROGRAM:

The drilling program consists of two drill holes located within a few meters of each other. There were two drill hole collar sites. In both holes steel casing was used and subsequently onr of the holes was extended by diamond drilling prior to May 1997, while the other was used to supply water for the drilling, and may also be extended subsequently by diamond drilling. Core from the diamond drilling was examined and logged. Both holes were vertical at the collar.

Figure 4 shows the location of the drill program area with respect to the claim boundaries superimposed on topography from the 1:50,000 map 82G/6.

Objectives and Summary Results

The Cedar #3A claim group includes atleast two mineral deposits, the G ZONE and the TOM ZONE. It straddles the Sand Creek Section of the Sand Creek- Lizard Range Domain of the Rocky Mountain tecteno-stratigraphic province, and the Rocky Mountain Trench province. More importantly in both provinces within the claim group the bedrock is mostly of argillaceous sediments of Proterozoic age Aldridge-Creston Formations, and Moyie diorite dykes and sills. The Proterozoic sequence overlies younger Palaeozoic sediments due to folding and thrusting associated with the Hosmer Thrust of the Rocky Mountains.

Over the past twenty years the R. H. Stanfield Group of companies has initiated a series of programs of airborne geophysics, satellite imagery, and ground examination to fulfil the following objectives. The programs are ongoing, and this report covers a portion of the effort covering this claim group:

a. Determine the strike and dip extensions of the individual deposits.
b. Increase the tonnage potential of the deposits by either connecting these adjacent deposits along strike (or connections at depth), or discovering other deposits in the strike directions or downdip or enechelon to the known showings.

In 1982 a helicopter borne multifrequency EM and magnetic survey was completed by Apex Airborne Surveys Ltd. For the R. H. Stanfield group of companies(in company files). A stong NE trending magnetic high was found through the northeast corner of

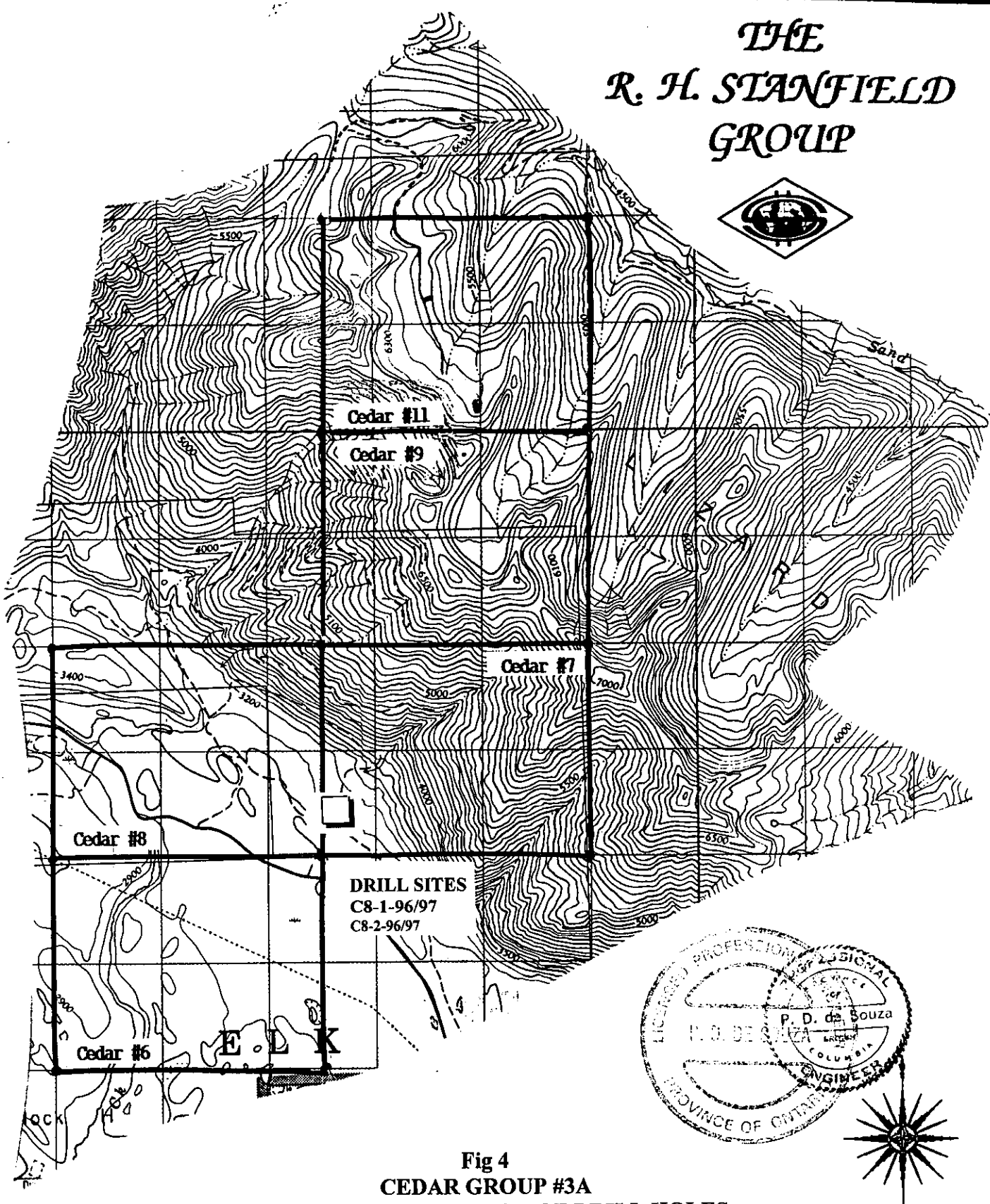


Fig 4
CEDAR GROUP #3A
CLAIM MAP & LOCATION OF DRILL HOLES

Cedar #6 through Cedar #7 up to Cedar #11. The survey also outlined a high conductivity zone and several EM trends south of the magnetic high over a portion of this claim group.

In 1992 a helicopter borne geophysical survey by DIGHEM for the Stanfield Group also located a distinct high magnetic trend over the same location. This has been reported in an assessment report in 1992-93, and the anomaly is shown in **Figure 5**. The two drill holes in this report are located on the magnetic high as close to the side of the hill as was possible without having to construct new access roads.

The drilling up to May 1997 did not provide any distinct evidence for the cause of the anomaly, and extension of the holes to greater depth is recommended. On the ridge northeast of the work sites, and within the same magnetic trend, several outcrops of basic dykes and sills have been located, with strong evidence of contact metamorphism. Previous workers have designated these rocks as "migmatites".

Appendix 1 contains the geologic logs of the percussion and the diamond drill portions of the three holes, Appendix 1 also lists the analytical reports of the drill cuttings as reported by TerraMin Research Labs of Calgary.

The cuttings from the percussion drilling, and the core from the diamond drilling program are stored at the R. H. Stanfield campsite near Galloway.

RECOMMENDATIONS:

The results of the drilling program suggest that the bedrock cause of the magnetic anomaly is at greater depth. The area immediately adjacent to the magnetic trend northeast of the drill sites has been the site of several geophysical (EM) conductors and mineral deposits associated with shear zones. Extension of the drill holes is recommended, together with ground based detail geologic mapping and geophysical surveys on the ridges above the Trench.

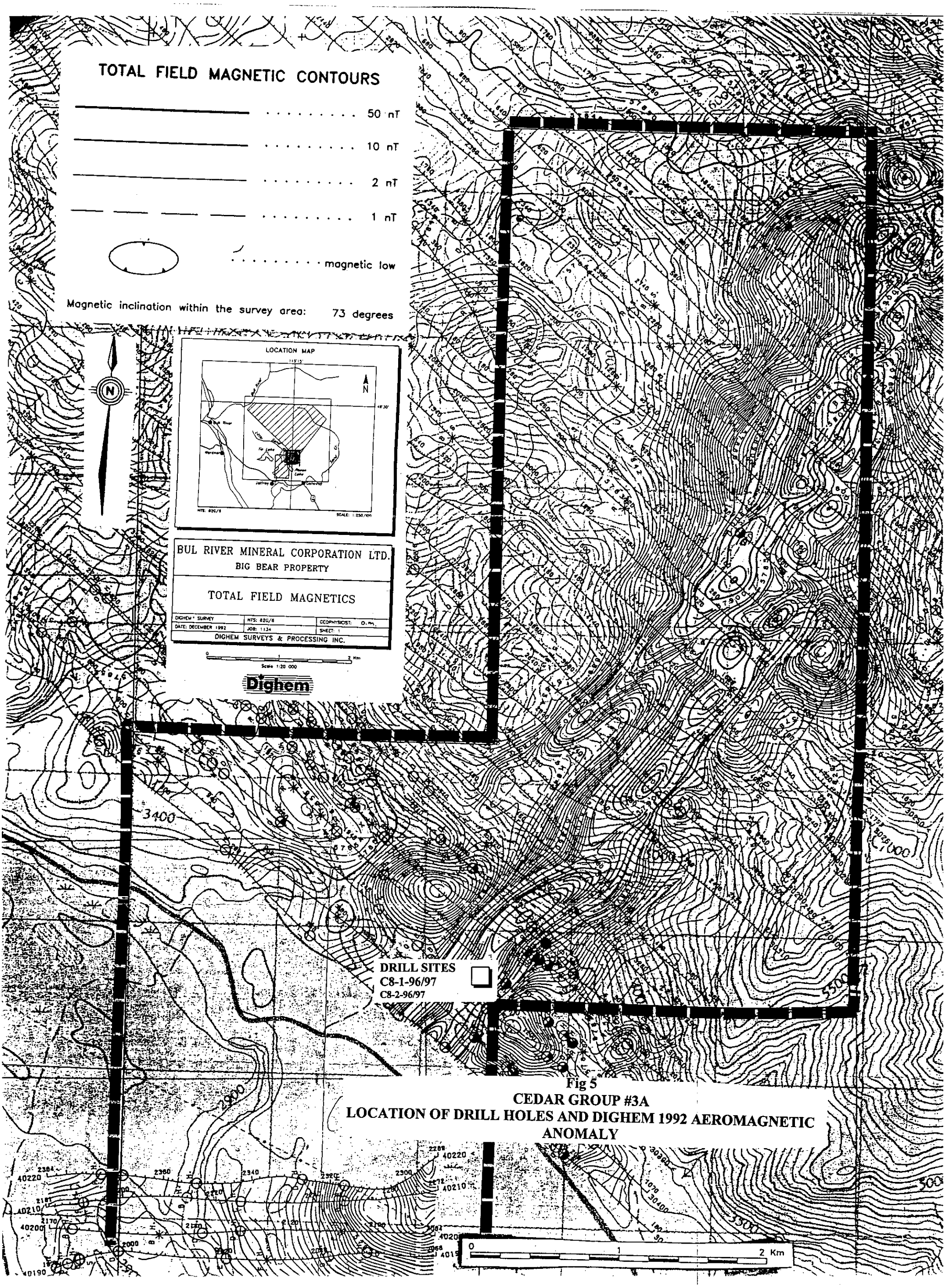


Fig 5
CEDAR GROUP #3A
LOCATION OF DRILL HOLES AND DIGHEM 1992 AEROMAGNETIC ANOMALY

GENERAL INFORMATION(*) ON C8-1-96/97 AND C8-2-96/97:

A.) Rotary Percussion Drill

Dates Drilled:	C8-1-96/97	Oct 1-2/96, Dec 9-14/96, Mar 7-11/97; 11 Drilling Days
	C8-2-96/97	Oct 13-14/96; 2 Drilling Days
Contractor	Schmidt Drilling Ltd. PO Box 98 Tees, Alberta T0C 2N0	
Crew	Driller-Darcy Schmidt, Helpers- Gary Brackenbury, Tom Morris, Bob Bell, David Morris, Dan Sim	
Contractor Equipment	Ingersol Rand TH-60 Truck Mounted Rotary Percussion Drill Rig, 600 CFM Air Compressor, Western Star Flatbed, 1000 Ga. Tanker and Pipe Truck, 915 Weldco Casing Hammer, 5 x 10 mud pump, Tool Shed Trailer (8 x 15) and ¾ ton 4x4 Diesel Crew Cab and Slip Tank	

B.) Diamond Drill

Dates Drilled:	**C8-1-96/97**	**Dec 6-17/96, Mar 19/97, Apr 1-Apr 12/97, May 1-May 10/97 48 Drilling Days**
Drill Crew	**Driller- Mr. Gordon Peterson**	**Box 94, Galloway BC**
	Helper- Mr. Jeff Brewster	**Box 94, Galloway BC**
	Helper- Mr. Gary Jonasson	**Box 94, Galloway BC**
Site Crew	**Manager- Mr. R. Stanfield Jr.**	**Box 94, Galloway BC**
	Co-ordinator- Mr. T. Hewison	**Box 94, Galloway BC**
Equipment	**1 Longyear 44 Diamond Drill- heavy duty mast and all-weather skid shack, Petter and Submersible Pumps, Kawasaki GE 5000 Generator, 3-F250 4x4 Pickup Trucks with Bush Boxes, Case 580 Super D Backhoe for Sump Construction, Caterpillar D7F Tractor.**	

(*) Information supplied by R. H. Stanfield group of companies

STATEMENT OF COSTS(*):

Rotary Percussion Holes (Part I)

DRILL HOLE	C8-1-96/97	C8-2-96/97
Background		
Drilling days	11	2
Period days	134	2
Driller r&b days	11	2
Total depth	800'	225'
Direct Costs		
Mobilization and Demobilization	1000.00	
Drilling Costs (#of Hrs. x $185.00)	20072.50	3237.50
6 5/8 Drive Shoe @ $98.50	98.50	98.50
8" Ring Bit @ $401.50	401.50	401.50
6 5/8" Casing @ $8.75/ft	1268.75	743.75
5 5/8 Button Hammer Bit @ $740.00	740.00	
20L Pail Foam @ $120.00/per	360.00	120.00
Hammer Oil @ $48.00/per	288.00	48.00
6 5/8 Driver Bit @ $1155.00	1155.00	
Total Direct Costs	**25384.25**	**4649.25**
Indirect Costs		
R&B @$65.00/day/man	2015.00	390.00
Foreman's Wage @ $200.00/day	2200.00	400.00
Foreman's R&B @ $65.00/day	715.00	130.00
Foreman's 4x4 @$50.00/day	550.00	100.00
Coordinator's Wage @ $140.00/day	840.00	140.00
Coordinator's 4x4 @ $50.00/day	300.00	50.00
Coordinator's R&B @ $65.00/day	390.00	65.00
Total Indirect Costs	**7010.00**	**1275.00**
Total Costs	**32440.50**	**5924.25**

ADDITIONAL COSTS:

Consultant Fees 8 Days @ $350/day	2800.00
Consultant R+B $65/day 1 Day	130.00
Consultant 2 day 4X4 @50.00	100.00
Chemical Analysis`	500.00
Total Consultant and Analysis Fees	**$3,530.00**

Total Costs for Cedar#3A

C8-1-96/97

Rotary Percussion (Part I)	32,394.25
Total	**$32,394.25**

C8-2-96/97

Rotary Percussion (Part I)	5,924.25
Diamond Drill (Part II)	115,961.41
Consultant and Analysis (Part III)	3,530.00
Total	**$125,415.66**

Grand Total Costs $157,809.16

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CERTIFICATE

I, Pilsum Master of 32 Midpark Gardens S.E. Calgary, Alberta certify that:

I am a graduate of the University of Bombay, India and a graduate of the University of New Mexico, U.S.A., and hold the following degrees:

B.Sc., 1963, Geology/Chemistry
M.Sc., 1965, Geology
M.Sc., 1968, Geology/Mineralogy

I am a Registered Professional Geologist (Association of Professional Engineers, Geologists and Geophysicists of Alberta) and a member of the American Institute of Mining, Metallurgical and Processing Engineers.

I am the.President of Master Mineral Resource Services Ltd. of Calgary, Alberta with Permit to Practice Number P5336 from the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

I have practised my profession for the past twenty-seven years.

This Report on the Cedar Group #3A is based upon my involvement in the compilation of geological literature, selection of drill targets, examination of drill sites, logging of drill cuttings, splitting of samples, logging of drill core, and the evaluation and compilation of data.

My company and I do not hold any interest in the properties or securities of R. H. Stanfield, or affiliates thereof, nor do my company and I expect to receive any directly or indirectly.

Pilsum Master, M.Sc.,M.Sc., P.Geol.
President
Master Mineral Resource Services Ltd.

PERMIT TO PRACTICE
MASTER MINERAL RESOURCE SERVICES LTD.
Signature
Date Sept 8 97
PERMIT NUMBER: P 5336
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

CERTIFICATE

September 8, 1997

I, Phil D. de Souza, certify that:

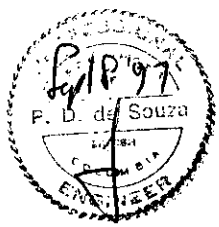
I am a graduate of the Camborne School of Mines, Cornwall, England and that I hold the degree of ACSM First Class in Mining Engineering therefrom.

I am a member of the Canadian Institute of Mining and Metallurgy and a member of the American Institute of Mining, Metallurgical and Processing Engineers.

I am a licensed Professional Engineer of the Province of Alberta, British Columbia and Ontario, Canada, and have been practising my profession for the past thirty-two years.

This report by Pilsum master, P.Geol. (Alberta) entitled: "Drilling Report on Cedar Group #3A", for R. H. Stanfield has been reviewed by me and results from my direct involvement in the Stanfield Group since 1987.

I certify that neither I nor my Associates or Partners hold any interest or securities in any of the four corporations owning an interest in the properties, nor do I, or we expect to receive any directly or indirectly.



Phil D. de Souza, A.C.S.M., P.Eng.
Mining Engineer

APPENDIX 1

DRILL LOGS & CHEMICAL ANALYSIS REPORTS

BUL RIVER MINERAL CORPORATION LTD. | R. H. STANFIELD

PROJECT CEDAR | **LOCATIO** 627700E, 5476200N, UTM Zone 11U

CLAIMS: Cedar Group #3A | **DIP: -90** | **AT:** collar

DRILL HOLE NO: **C8-1-96/97** | **DRILLED BY:Schmidt Drilling Ltd., P.O.Box 98,Tees, Alberta**

DATES DRILLED:Oct 1-2,Dec 9-14,1996, Mar 7-11,1997

LOGGED BY: Pilsum Master, P.Geol.

DATES LOGGED: October 18, 1996, May 6, 1997

TOTAL LENGTH: 242.42m

FROM (Ft	FROM (Metres)	TO (Ft)	TO (Metres)	DESCRIPTION	Sample Number		SiO_2 %	Al_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	Fe_2O_3 %	MnO %	TiO_2 %	LOI %	Total %	Ba ppm	Be ppm	Cr ppm	Li ppm	Rb ppm	Sr ppm	V ppm	Ag ppm	Cd ppm	Co ppm	Cu ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
0.00	0.00	105.00	31.82	Mixed, boulders, cobbles,pebbles, sand,argillite	No samples for analysis																											
105.00	31.82	140.00	42.42	Dark-grey Argillaceous Quartzite (Arg-Qtzite)	105-110																				0.38			23.00		21.00	63.00	230.0
				carbonate present (efferv. With HCl), gives off	105-115																				0.35			26.00		20.00	68.00	380.0
				some smell of hydrogen sulphide	115-120																				0.23			39.00		24.00	51.00	128.0
					120-125																				0.21			14.00		14.00	37.00	89.0
					125-130																				0.21			22.00		19.00	42.00	91.0
					130-135																				0.20			30.00		19.00	43.00	19.00
					135-140																				0.15			32.00		18.00	39.00	18.00
140.00	42.42	380.00	115.15	Argillite, dark grey, sulphides as disseminations	140-145																				0.18			34.00		21.00	34.00	21.00
				at irregular intervals																												
380.00	115.15	445.00	134.85	Dark-grey Argillaceous Quartzite (Arg-Qtzite)	380	385	62.0	13.3	3.833	3.084	1.267	3.675	5.65	0.148	0.40	6.2	99.61	480	2.4	61	19	214	77	110	0.1	0.3	8	18	18	16	22	75.00
				lots of carbonate cement, pyrite-pyrrhotite clots	385	390	62.7	13.3	3.539	3.266	1.258	3.531	5.09	0.138	0.40	6.0	99.21	480	2.6	52	19	220	71	110	0.1	0.3	9	18	5	18	18	60.00
				<5%	390	395	61.8	13.1	4.015	3.449	1.267	3.615	5.71	0.156	0.38	6.0	99.55	470	2.5	47	20	209	77	120	0.1	0.2	14	18	6	23	18	53.00
					395	400	61.6	13.1	3.721	3.465	1.388	3.278	5.49	0.145	0.40	6.6	99.23	460	2.4	52	20	203	70	110	0.1	0.2	10	21	7	24	20	59.00
					400	405	62.5	13.3	3.498	3.532	1.232	3.507	5.08	0.146	0.38	6.2	99.35	470	2.4	46	20	216	69	100	0.1	0.2	6	19	4	16	22	62.00
					405	410	62.7	12.6	3.847	3.764	1.180	3.278	4.82	0.172	0.35	7.0	99.69	470	2.2	49	18	205	69	100	0.1	0.1	7	12	3	16	19	35.00
					410	415	62.5	12.8	3.693	3.830	1.246	3.470	4.63	0.170	0.33	6.8	99.42	470	2.2	32	18	215	66	90	0.1	0.1	6	13	4	15	16	27.00
					415	420	65.2	13.3	2.420	3.399	1.456	3.350	5.02	0.115	0.35	4.6	99.27	460	2.3	40	18	203	53	100	0.1	0.1	7	12	6	19	19	31.00
					420	425	64.8	13.7	2.280	3.382	1.483	3.169	5.19	0.103	0.42	5.2	99.71	460	2.4	60	21	194	52	120	0.1	0.1	7	16	9	20	23	33.00
					425	430	63.7	13.7	2.756	3.382	1.510	3.386	5.11	0.116	0.42	5.4	99.49	480	2.5	60	21	203	56	120	0.1	0.1	7	22	7	23	20	25.00
					430	435	64.8	13.9	2.350	3.764	1.469	3.314	5.15	0.084	0.43	4.4	99.62	470	2.4	63	26	197	43	130	0.1	0.1	6	15	6	15	13	25.00
					435	440	65.2	13.1	2.182	3.283	1.564	3.181	4.90	0.071	0.43	5.0	99.00	460	2.3	64	24	198	48	130	0.1	0.1	5	19	7	17	16	26.00
					440	445	64.6	13.5	2.364	3.150	1.537	3.434	5.46	0.083	0.43	5.0	99.56	490	2.3	64	23	202	56	110	0.1	0.1	9	25	7	21	17	38.00
445.00	134.85	495.00	150.00	Dark-grey Argillaceous Quartzite (Arg-Qtzite)	445	450	64.8	13.7	1.875	2.902	1.577	3.446	6.32	0.059	0.43	4.0	99.10	510	2.3	66	22	210	49	140	0.1	0.3	11	25	9	27	14	79
				less clay	450	455	64.8	14.2	1.679	2.852	1.631	3.675	5.85	0.054	0.45	4.0	99.21	510	1.6	70	23	213	47	130	0.1	0.1	10	19	8	25	16	53
					455	460	66.5	13.5	1.763	2.686	1.685	3.398	5.16	0.058	0.43	3.8	99.00	510	1.7	66	22	209	52	120	0.1	0.1	9	19	9	23	16	35
					460	465	65.7	13.5	2.308	2.885	1.604	3.410	5.85	0.076	0.42	4.0	99.71	500	2.0	65	21	207	51	120	0.1	0.1	9	21	8	24	14	27
					465	470	65.9	14.9	0.981	2.819	1.523	3.832	5.72	0.032	0.45	3.4	99.55	490	2.5	68	27	231	35	140	0.1	0.1	6	12	9	17	13	35
					470	475	64.8	14.7	1.427	2.736	1.591	3.603	5.49	0.046	0.43	4.6	99.48	490	2.7	65	21	227	44	130	0.1	0.1	7	15	8	16	24	36
					475	480	65.0	13.9	1.973	2.603	1.806	3.290	6.28	0.065	0.42	4.4	99.71	460	2.5	68	19	204	53	120	0.1	0.1	11	28	6	24	24	38
					480	485	63.7	13.5	2.518	2.620	1.779	3.193	6.35	0.077	0.40	5.2	99.37	450	2.5	70	19	196	62	130	0.1	0.1	14	32	5	24	21	37
					485	490	65.2	13.5	2.308	2.537	1.860	3.121	5.99	0.072	0.42	4.8	99.84	450	2.4	62	17	194	61	120	0.1	0.1	12	26	7	22	17	52
					490	495	64.2	14.7	1.399	2.736	1.725	3.555	6.11	0.045	0.43	4.6	99.51	480	2.6	55	20	230	47	140	0.1	0.2	8	20	8	17	14	79
495.00	150.00	655.00	198.48	Dark-grey Argillaceous Quartzite (Arg-Qtzite)	495	500	65.5	14.9	0.890	2.703	1.645	3.543	5.99	0.031	0.43	3.8	99.40	460	2.6	63	21	220	39	140	0.1	0.1	9	18	8	17	16	71
				little or no carbonate, trace sulphides	500	505	65.2	14.9	1.063	2.620	1.793	3.711	5.42	0.053	0.43	4.0	99.25	480	2.6	68	21	231	44	130	0.1	0.1	7	17	5	13	28	40
					505	510	64.6	13.9	2.001	2.520	1.658	3.446	5.81	0.088	0.43	5.0	99.40	460	2.4	67	19	216	56	120	0.1	0.2	10	28	7	23	27	67
					510	515	64.0	14.2	2.238	2.570	1.725	3.446	5.93	0.071	0.42	5.0	99.56	460	2.3	59	19	215	55	120	0.1	0.1	9	21	6	22	18	44
					515	520	64.8	14.0	1.917	2.586	1.793	3.446	6.19	0.061	0.43	4.6	99.87	460	2.4	68	17	210	53	130	0.1	0.1	9	23	6	21	16	52
					520	525	64.2	14.6	1.707	2.703	1.752	3.555	5.72	0.048	0.43	4.4	99.05	470	2.5	71	19	217	49	150	0.1	0.2	7	14	10	16	10	72
					525	530	64.8	14.6	1.385	2.686	1.793	3.434	5.98	0.040	0.43	4.0	99.12	460	2.6	67	21	208	43	130	0.1	0.1	9	14	7	18	12	44
					530	535	64.8	13.7	2.182	2.570	1.874	3.266	5.88	0.059	0.43	4.8	99.55	450	2.4	62	16	200	54	120	0.1	0.1	11	21	8	21	17	29
					535	540	64.4	14.0	2.140	2.553	1.941	3.241	5.93	0.059	0.42	5.2	99.90	450	2.4	66	19	196	54	130	0.1	0.1	11	30	6	24	11	27
					540	545	64.0	14.0	2.112	2.736	1.901	3.205	6.39	0.072	0.42	4.8	99.62	450	2.4	66	20	196	54	130	0.1	0.1	10	35	9	24	12	30
					545	550	64.4	14.2	1.707	2.736	1.847	3.338	5.72	0.070	0.42	5.0	99.42	490	2.5	63	20	206	49	130	0.1	0.1	8	30	9	20	11	29
					550	555	63.5	14.9	1.651	2.802	1.779	3.591	5.88	0.065	0.42	5.0	99.63	520	2.6	64	22	221	47	130	0.1	0.1	9	23	8	21	11	28

					555	560	65.0	14.0	1.889	2.769	1.806	3.193	5.48	0.075	0.42	5.0	99.68	480	2.5	55	21	202	50	130	0.1	0.1	8	23	7	19	14	25
					560	565	64.2	13.9	1.945	2.719	1.887	3.302	6.02	0.076	0.38	5.6	99.95	460	2.5	67	20	195	53	140	0.1	0.1	11	26	8	24	24	28
					565	570	65.5	13.9	1.441	2.703	1.860	3.241	5.95	0.054	0.40	4.2	99.15	450	2.5	70	22	196	47	150	0.1	0.1	10	20	7	21	21	30
					570	575	65.2	13.9	1.539	2.819	1.860	3.266	6.11	0.062	0.40	4.0	99.14	460	2.4	66	22	194	47	140	0.1	0.1	10	16	6	20	20	31
					575	580	65.5	13.9	1.441	2.785	1.901	3.302	6.05	0.056	0.38	4.2	99.42	460	2.5	68	21	198	46	140	0.1	0.1	11	13	9	19	19	30
					580	585	65.7	13.9	1.469	2.785	1.955	3.217	5.56	0.054	0.40	4.8	99.76	480	2.4	69	21	201	47	130	0.1	0.1	9	19	7	19	19	28
					585	590	64.6	13.9	2.434	2.902	1.941	3.422	4.62	0.083	0.40	5.0	99.25	450	2.5	54	20	189	58	120	0.1	0.1	6	16	5	15	15	24
					590	595	65.9	14.0	1.707	2.736	1.793	3.398	5.19	0.062	0.38	4.6	99.78	470	2.6	63	22	212	50	130	0.1	0.1	9	23	7	17	17	28
					595	600	65.7	14.0	1.665	2.785	1.806	3.362	5.26	0.065	0.38	4.4	99.42	470	2.4	64	18	204	51	120	0.1	0.1	7	25	8	16	16	51
					600	605	64.4	13.9	1.595	2.785	1.766	3.531	6.06	0.056	0.40	4.6	99.03	470	2.5	67	22	209	49	140	0.1	0.3	10	34	9	21	21	87
					605	610	64.8	13.9	2.015	2.703	1.806	3.434	5.15	0.074	0.42	4.8	99.06	470	2.5	52	19	203	56	140	0.1	0.3	7	17	7	14	14	74
					610	615	65.7	13.3	1.679	2.603	1.793	3.326	5.63	0.063	0.42	4.6	99.10	460	2.5	67	19	202	53	140	0.1	0.3	9	21	8	20	20	72
					615	620	66.3	14.0	1.100	2.653	1.806	3.627	5.49	0.048	0.43	4.2	99.70	480	2.6	58	22	212	47	150	0.1	0.2	8	17	10	16	16	69
					620	625	65.5	13.7	1.072	2.769	1.806	3.482	6.84	0.048	0.40	4.4	99.94	480	2.3	63	21	203	45	140	0.1	0.2	13	25	9	27	27	86
					625	630	64.8	13.7	1.032	2.686	1.672	3.362	7.04	0.045	0.40	4.2	98.92	470	2.4	62	23	204	42	140	0.1	0.2	13	27	9	26	26	93
					630	635	65.9	13.7	1.013	2.736	1.712	3.603	6.41	0.046	0.40	4.4	99.87	480	2.4	62	20	212	42	140	0.1	0.2	8	23	8	25	25	91
					635	640	65.2	13.7	1.511	2.785	1.672	3.579	6.26	0.066	0.38	4.6	99.77	470	2.0	57	22	210	47	130	0.1	0.1	11	22	7	24	24	65
					640	645	65.9	12.6	1.721	2.752	1.510	3.711	5.53	0.062	0.37	4.8	98.95	490	2.4	54	25	223	47	120	0.1	0.1	7	16	9	19	19	74
					645	650	61.8	11.9	3.987	2.984	1.496	3.181	5.35	0.116	0.37	7.8	98.99	440	2.0	64	18	185	71	120	0.1	0.1	8	23	7	19	19	57
					650	655	61.6	12.8	4.673	3.299	1.523	3.338	4.52	0.115	0.37	7.2	99.42	460	2.3	73	19	195	79	110	0.1	0.1	6	20	6	15	15	49
655.00	198.48	765.00	231.82	Dark-grey Argillaceous Quartzite (Arg-Qtzite)	655	660	61.0	13.0	4.715	3.283	1.510	3.302	4.80	0.115	0.37	7.4	99.42	450	2.2	74	17	188	78	100	0.1	0.1	7	17	6	15	15	52
				more cemented, and greater proportion of fines	660	665	60.5	12.6	4.813	3.565	1.456	3.278	5.05	0.112	0.37	7.6	99.38	450	2.1	77	19	191	81	100	0.1	0.1	8	20	6	19	19	68
					665	670	58.8	12.4	5.036	3.830	1.388	3.398	4.58	0.124	0.35	9.0	98.96	450	2.3	71	22	192	80	110	0.1	0.2	7	18	7	15	15	73
					670	675	59.3	13.0	4.966	3.929	1.348	3.386	4.68	0.134	0.35	8.6	99.60	460	23.0	74	23	195	78	120	0.1	0.2	7	17	6	15	15	81
					675	680	57.5	13.5	5.372	4.112	1.361	3.495	4.38	0.141	0.35	9.2	99.44	460	2.3	67	22	197	84	110	0.1	0.2	7	16	5	13	13	75
					680	685	58.6	12.6	5.218	3.764	1.415	3.302	5.35	0.130	0.33	9.0	99.73	430	1.8	70	20	185	85	110	0.1	0.2	9	17	6	21	21	70
					685	690	58.8	13.1	4.897	3.714	1.415	3.350	4.85	0.127	0.35	8.6	99.26	460	2.1	73	22	190	83	110	0.1	0.2	8	18	6	17	17	73
					690	695	60.1	13.0	4.281	3.515	1.442	3.338	5.13	0.117	0.35	7.8	99.05	480	2.2	69	21	193	78	110	0.1	0.1	8	16	7	20	20	71
					695	700	58.6	13.1	4.841	3.847	1.402	3.350	4.90	0.134	0.37	8.6	99.19	480	2.3	72	24	193	80	110	0.1	0.2	7	18	5	16	16	74
					710	715	57.1	12.8	4.561	3.614	1.388	3.302	7.81	0.125	0.38	8.4	99.48	470	2.4	73	22	191	77	110	0.1	0.3	21	21	6	35	35	105
					715	720	57.1	13.3	4.547	3.747	1.308	3.386	6.71	0.130	0.38	9.0	99.64	470	2.4	73	21	196	78	110	0.1	0.8	14	21	6	28	28	164
					720	725	58.2	13.5	4.533	4.046	1.361	3.675	4.76	0.141	0.40	8.4	98.99	490	2.5	65	21	211	77	110	0.1	0.5	4	13	6	11	11	101
					725	730	59.5	13.1	4.085	3.565	1.375	3.386	6.16	0.127	0.38	7.8	99.49	470	2.3	66	21	194	75	110	0.1	0.7	12	17	5	24	24	132
					730	735	59.9	13.1	4.071	3.498	1.483	3.446	5.75	0.130	0.40	7.6	99.41	470	2.4	67	23	198	75	110	0.1	0.5	10	15	6	20	20	112
					735	740	60.7	14.0	4.015	3.598	1.469	3.495	4.62	0.132	0.42	7.0	99.52	480	2.5	65	22	205	76	110	0.1	0.2	6	15	6	11	11	73
					740	745	60.7	14.0	3.735	3.548	1.442	3.615	4.30	0.123	0.38	7.2	99.13	480	2.4	64	24	204	74	110	0.1	0.2	5	13	5	10	10	83
					745	750	60.3	14.0	3.945	3.482	1.496	3.651	4.59	0.129	0.38	7.4	99.42	480	2.2	60	24	202	75	110	0.1	0.2	5	13	5	10	10	78
					750	755	63.1	12.8	3.567	3.250	1.469	3.398	4.86	0.121	0.38	6.6	99.54	480	2.4	66	23	199	72	120	0.1	0.3	7	14	7	13	19	81
					755	760	62.0	13.1	3.302	3.117	1.496	3.519	5.09	0.114	0.42	6.8	99.03	490	2.4	70	24	203	68	120	0.1	0.3	7	17	7	13	21	77
					760	765	62.7	13.9	3.316	3.084	1.523	3.374	4.75	0.116	0.42	6.6	99.70	490	2.4	66	24	198	68	120	0.1	0.2	4	15	7	11	19	81
765.00	231.82	800.00	242.42	Dark-grey Argillaceous Quartzite (Arg-Qtzite)	765	770	62.2	14.0	3.274	3.183	1.483	3.458	5.13	0.114	0.42	6.2	99.54	480	2.3	60	21	201	68	110	0.1	0.2	7	18	7	13	21	85
				little or no carbonate, trace sulphides	770	775	64.4	13.7	3.078	3.084	1.496	3.398	4.80	0.110	0.40	5.0	99.43	480	2.3	58	24	197	67	110	0.1	0.2	5	14	6	13	18	85
					775	780	64.0	14.6	2.085	2.918	1.537	3.543	4.88	0.075	0.43	5.2	99.18	490	2.4	63	23	207	54	130	0.1	0.3	4	13	7	11	21	97
					780	785	64.2	14.7	2.154	2.918	1.604	3.567	5.09	0.079	0.42	5.2	99.94	490	2.3	65	25	202	54	130	0.1	0.4	6	14	8	13	22	112
					785	790	64.0	14.0	2.378	2.885	1.631	3.567	5.81	0.083	0.40	4.8	99.53	480	2.2	77	26	198	59	120	0.1	0.5	10	19	8	20	31	135
					790	795	64.2	14.4	2.378	2.785	1.631	3.458	5.72	0.084	0.38	4.8	99.79	480	2.2	67	20	191	58	110	0.1	0.3	9	20	8	18	28	93
				END OF DRILL HOLE	795	800	64.4	14.7	2.238	2.785	1.631	3.507	5.11	0.083	0.42	4.8	99.69	490	2.4	64	23	203	59	120	0.1	0.2	6	18	7	11	22	78

BUL RIVER MINERAL CORPORATION LTD.							R. H. STANFIELD																																
PROJECT	CEDAR		LOCATIO	626700E, 5476200N, UTM Zone 11U																																		
CLAIMS:	Cedar Group #3A				DIP: -90		AT:	collar																														
DRILL HOLE NO:		C8-2-96/97		DRILLED BY:Schmidt Drilling Ltd., P.O.Box 98,Tees, Alberta																																		
				DATES DRILLED:Oct 1-2,Dec 9-14,1996, Mar 7-11,1997																																		
				LOGGED BY: Pilsum Master, P.Geol.																																		
				DATES LOGGED: October 18, 1996																																		
					TOTAL		68.2m																																
					LENGTH:																																		
FROM (Ft	FROM	TO (Ft)	TO	DESCRIPTION	Sample			SiO_2	Al_2O_3	CaO	MgO	Na_2O	K_2O	Fe_2O_3	MnO	TiO_2	LOI	Total	Ba	Be	Cr	Li	Rb	Sr	V	Ag	Cd	Co	Cu	Mo	Ni	Pb	Zn
	(Metres)		(Metres)		Number			%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.00	0.00	70.00	21.21	Mixed, boulders, cobbles,pebbles, sand,argillite	No samples for analysis																																
70.00	21.21	225.00	68.18	Dark-grey Argillaceous-Quartzite (Arg-Qtzite)	70	75																				0.10			11		15.00	28.00	83
				irregular and discontinuous distribution of	75	80																				0.10			11		14.00	24.00	62
				pyrite-pyrrhotite noted	80	85																				0.13			8		12.00	33.00	67
					85	90																				0.15			12		14.00	46.00	79
					90	95																				0.09			14		17.00	23.00	98
					95	100																				0.13			26		21.00	43.00	99
					100	105																				0.16			14		19.00	42.00	58
					105	110																				0.18			26		19.00	41.00	91
					110	115																				0.13			16		14.00	33.00	63
					115	120																				0.19			13		10.00	55.00	47
					120	125																				0.18			20		14.00	55.00	71
					125	130																				0.11			16		17.00	33.00	89
					130	135																				0.14			24		18.00	37.00	116
					135	140																				0.10			22		16.00	25.00	83
					140	145																				0.11			14		21.00	24.00	57
					145	150																				0.10			16		18.00	28.00	43
					150	155																				0.52			21		17.00	139.0	67
					155	160																				0.97			18		17.00	270.0	46
					160	165																				0.19			19		17.00	48.00	71
					165	170																				0.11			14		14.00	25.00	70
					170	175																				0.14			17		15.00	32.00	97
					175	180																				0.12			17		15.00	35.00	73
					180	185																				0.11			16		16.00	28.00	84
					185	190																				0.10			10		14.00	29.00	52
					190	195																				0.12			15		17.00	29.00	74
					195	200																				0.14			22		17.00	38.00	89
					200	205																				0.11			19		18.00	34.00	85
					205	210																				0.15			15		15.00	35.00	86
					210	215																				0.11			15		15.00	21.00	66
				END OF PERCUSSION DRILLING	215	220																				0.09			14		13.00	21.00	67
				HOLE CONTINUED BY DIAMOND DRILLING	220	225																				0.05			12		14.00	20.00	59

DIAMOND DRILL LOG

MASTER MINERAL RESOURCE SERVICES LTD.

Hole No.: C8 – 2 – 96/97	Page 1 of 1	Project: CEDAR		Property: CEDAR GROUP #3A
Collar Survey Date	Location : 5476200N, 626700E	UTM Zone 11U	Elevation: 946m	Dip -90^0
Objective		Length of Hole: 667.27m to May 10, 1997		
Commenced: December 6, 1996	Logged by: Pilsum Master, P.Geol.	Collar Bearing/Dip: 0^0 azimuth, -90^0 dip, @350m: -78^0		
Completed: Reported to May 10, 1997	Sampled by	Dates Logging: April 17, May 21, 1997	Depth Depth	Bearing/Dip: Bearing/Dip:

From	To	Description	Sample No.	From - To	Width	Analysis
0	68.18	Overburden, see Percussion drill log	No samples taken			
68.18	269.70	Quartzitic Argillite (Qtzitic-Arg): almost argillite, banding not prononced, but at @ 85-90^0 to CA, some Broken core at irregular intervals				
269.70	381.82	Qtzitic-Arg: banding more pronounced 304.85 – 309.09: carbonate (CO_3) veinlets and stringers iregular and discontinuous 310.61 – 325.76: some clots and stringers of pyrite (py) and pyrrhotite (pyrrh) 339.39 – 341.82: broken core				
381.82	392.12	Qtzitic-Arg: banding @ 45-60^0 to CA, broken core @ 381.82 over 60cm .				
392.12	466.67	Qtzitic-Arg: banding @ 80-90^0 to CA, slightly lighter coloured, with characteristic darker bands clustered In 2-3cm wide sections				
466.67	553.64	Qtzitic-Arg: banding @ 80-90^0 to CA 466.67: 30cm of fault gouge and breccia(bx) with CO_3 - chlorite 521.18 – 522.42: irregular and discontinuous stringers of white CO_3 533.33 – 553.64: broken core				
553.64	640.61	Mixed banded Qtzitic-Arg and uniform Argillite (Arg) 600.91 – 640.61: broken core				
640.61	652.42	Argillite: uniform gray, lots of disseminated and clots of py-pyrrh and discordant stringers of py-pyrrh				
652.42	667.27	Qtzitic-Arg: quite banded @ 80^0 to CA, little or no sulphides, some py-CO_3 along fractures, broken core				
	667.27	Drilling report to May 21, 1997				

TERRAMIN RESEARCH LABS Ltd.

Job No: 96-276

Client: R.H. Stanfield
Project: C-8 Percussion Program

Sample Number	from	to	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm
C8-1-96	105	110	0.38	23	63	230	21
C8-1-96	110	115	0.35	26	68	380	20
C8-1-96	115	120	0.23	39	51	128	24
C8-1-96	120	125	0.21	14	37	89	14
C8-1-96	125	130	0.21	22	42	91	19
C8-1-96	130	135	0.20	30	43	110	19
C8-1-96	135	140	0.15	32	39	129	18
C8-1-96	140	145	0.18	34	34	91	21
C8-2-96	70	75	0.10	11	28	83	15
C8-2-96	75	80	0.10	11	24	62	14
C8-2-96	80	85	0.13	8	33	67	12
C8-2-96	85	90	0.15	12	46	79	14
C8-2-96	90	95	0.09	14	23	98	17
C8-2-96	95	100	0.13	26	43	99	21
C8-2-96	100	105	0.16	14	42	58	19
C8-2-96	105	110	0.18	26	41	91	19
C8-2-96	110	115	0.13	16	33	63	14
C8-2-96	115	120	0.19	13	55	47	10
C8-2-96	120	125	0.18	20	55	71	14
C8-2-96	125	130	0.11	16	33	89	17
C8-2-96	130	135	0.14	24	37	116	18
C8-2-96	135	140	0.10	22	25	83	16
C8-2-96	140	145	0.11	14	24	57	21
C8-2-96	145	150	0.10	16	28	43	18
C8-2-96	150	155	0.52	21	139	67	17
C8-2-96	155	160	0.97	18	270	46	17
C8-2-96	160	165	0.19	19	48	71	17
C8-2-96	165	170	0.11	14	25	70	14
C8-2-96	170	175	0.14	17	32	97	15
C8-2-96	175	180	0.12	17	35	73	15
C8-2-96	180	185	0.11	16	28	84	16
C8-2-96	185	190	0.10	10	29	52	14
C8-2-96	190	195	0.12	15	29	74	17
C8-2-96	195	200	0.14	22	38	89	17
C8-2-96	200	205	0.11	19	34	85	18
C8-2-96	205	210	0.15	15	35	86	15
C8-2-96	210	215	0.11	15	21	66	15
C8-2-96	215	220	0.09	14	21	67	13
C8-2-96	220	225	0.05	12	20	59	14

TERRAMIN RESEARCH LABS Ltd.

Job No: 97-119

Client: Bul River Mineral Corp.
Project: Cedar C-8

Sample Number	from	to	Ag ppm	Cd ppm	Co ppm	Cu ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
C8-1-96/97	380	385	0.1	0.3	8	18	18	16	22	75
C8-1-96/97	385	390	0.1	0.3	9	18	5	18	18	60
C8-1-96/97	390	395	0.1	0.2	14	18	6	23	18	53
C8-1-96/97	395	400	0.1	0.2	10	21	7	24	20	59
C8-1-96/97	400	405	0.1	0.2	6	19	4	16	22	62
C8-1-96/97	405	410	0.1	0.1	7	12	3	16	19	35
C8-1-96/97	410	415	0.1	0.1	6	13	4	15	16	27
C8-1-96/97	415	420	0.1	0.1	7	12	6	19	19	31
C8-1-96/97	420	425	0.1	0.1	7	16	9	20	23	33
C8-1-96/97	425	430	0.1	0.1	7	22	7	23	20	25
C8-1-96/97	430	435	0.1	0.1	6	15	6	15	13	25
C8-1-96/97	435	440	0.1	0.1	5	19	7	17	16	26
C8-1-96/97	440	445	0.1	0.1	9	25	7	21	17	38
C8-1-96/97	445	450	0.1	0.3	11	25	9	27	14	79
C8-1-96/97	450	455	0.1	0.1	10	19	8	25	16	53
C8-1-96/97	455	460	0.1	0.1	9	19	9	23	16	35
C8-1-96/97	460	465	0.1	0.1	9	21	8	24	14	27
C8-1-96/97	465	470	0.1	0.1	6	12	9	17	13	35
C8-1-96/97	470	475	0.1	0.1	7	15	8	16	24	36
C8-1-96/97	475	480	0.1	0.1	11	28	6	24	24	38
C8-1-96/97	480	485	0.1	0.1	14	32	5	24	21	37
C8-1-96/97	485	490	0.1	0.1	12	26	7	22	17	52
C8-1-96/97	490	495	0.1	0.2	8	20	8	17	14	79
C8-1-96/97	495	500	0.1	0.1	9	18	8	17	16	71
C8-1-96/97	500	505	0.1	0.1	7	17	5	13	28	40
C8-1-96/97	505	510	0.1	0.2	10	28	7	23	27	67
C8-1-96/97	510	515	0.1	0.1	9	21	6	22	18	44
C8-1-96/97	515	520	0.1	0.1	9	23	6	21	16	52
C8-1-96/97	520	525	0.1	0.2	7	14	10	16	10	72
C8-1-96/97	525	530	0.1	0.1	9	14	7	18	12	44
C8-1-96/97	530	535	0.1	0.1	11	21	8	21	17	29
C8-1-96/97	535	540	0.1	0.1	11	30	6	24	11	27
C8-1-96/97	540	545	0.1	0.1	10	35	9	24	12	30
C8-1-96/97	545	550	0.1	0.1	8	30	9	20	11	29
C8-1-96/97	550	555	0.1	0.1	9	23	8	21	11	28
C8-1-96/97	555	560	0.1	0.1	8	23	7	19	14	25
C8-1-96/97	560	565	0.1	0.1	11	26	8	24	24	28
C8-1-96/97	565	570	0.1	0.1	10	20	7	21	21	30
C8-1-96/97	570	575	0.1	0.1	10	16	6	20	20	31
C8-1-96/97	575	580	0.1	0.1	11	13	9	19	19	30

TERRAMIN RESEARCH LABS Ltd.

Job No: 97-119

Client: Bul River Mineral Corp.
Project: Cedar C-8

Sample Number	from	to	Ag ppm	Cd ppm	Co ppm	Cu ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
C8-1-96/97	580	585	0.1	0.1	9	19	7	19	19	28
C8-1-96/97	585	590	0.1	0.1	6	16	5	15	15	24
C8-1-96/97	590	595	0.1	0.1	9	23	7	17	17	28
C8-1-96/97	595	600	0.1	0.1	7	25	8	16	16	51
C8-1-96/97	600	605	0.1	0.3	10	34	9	21	21	87
C8-1-96/97	605	610	0.1	0.3	7	17	7	14	14	74
C8-1-96/97	610	615	0.1	0.3	9	21	8	20	20	72
C8-1-96/97	615	620	0.1	0.2	8	17	10	16	16	69
C8-1-96/97	620	625	0.1	0.2	13	25	9	27	27	86
C8-1-96/97	625	630	0.1	0.2	13	27	9	26	26	93
C8-1-96/97	630	635	0.1	0.2	8	23	8	25	25	91
C8-1-96/97	635	640	0.1	0.1	11	22	7	24	24	65
C8-1-96/97	640	645	0.1	0.1	7	16	9	19	19	74
C8-1-96/97	645	650	0.1	0.1	8	23	7	19	19	57
C8-1-96/97	650	655	0.1	0.1	6	20	6	15	15	49
C8-1-96/97	655	660	0.1	0.1	7	17	6	15	15	52
C8-1-96/97	660	665	0.1	0.1	8	20	6	19	19	68
C8-1-96/97	665	670	0.1	0.2	7	18	7	15	15	73
C8-1-96/97	670	675	0.1	0.2	7	17	6	15	15	81
C8-1-96/97	675	680	0.1	0.2	7	16	5	13	13	75
C8-1-96/97	680	685	0.1	0.2	9	17	6	21	21	70
C8-1-96/97	685	690	0.1	0.2	8	18	6	17	17	73
C8-1-96/97	690	695	0.1	0.1	8	16	7	20	20	71
C8-1-96/97	695	700	0.1	0.2	7	18	5	16	16	74
C8-1-96/97	710	715	0.1	0.3	21	21	6	35	35	105
C8-1-96/97	715	720	0.1	0.8	14	21	6	28	28	164
C8-1-96/97	720	725	0.1	0.5	4	13	6	11	11	101
C8-1-96/97	725	730	0.1	0.7	12	17	5	24	24	132
C8-1-96/97	730	735	0.1	0.5	10	15	6	20	20	112
C8-1-96/97	735	740	0.1	0.2	6	15	6	11	11	73
C8-1-96/97	740	745	0.1	0.2	5	13	5	10	10	83
C8-1-96/97	745	750	0.1	0.2	5	13	5	10	10	78
C8-1-96/97	750	755	0.1	0.3	7	14	7	13	19	81
C8-1-96/97	755	760	0.1	0.3	7	17	7	13	21	77
C8-1-96/97	760	765	0.1	0.2	4	15	7	11	19	81
C8-1-96/97	765	770	0.1	0.2	7	18	7	13	21	85
C8-1-96/97	770	775	0.1	0.2	5	14	6	13	18	85
C8-1-96/97	775	780	0.1	0.3	4	13	7	11	21	97
C8-1-96/97	780	785	0.1	0.4	6	14	8	13	22	112
C8-1-96/97	785	790	0.1	0.5	10	19	8	20	31	135
C8-1-96/97	790	795	0.1	0.3	9	20	8	18	28	93
C8-1-96/97	795	800	0.1	0.2	6	18	7	11	22	78

TERRAMIN RESEARCH LABS Ltd.

Job No: 97-119

Client: Bul River Mineral Corp.
Project: Cedar C-8

Sample Number	from	to	Ba ppm	Be ppm	Cr ppm	Li ppm	Rb ppm	Sr ppm	V ppm
C8-1-96/97	380	385	480	2.4	61	19	214	77	110
C8-1-96/97	385	390	480	2.6	52	19	220	71	110
C8-1-96/97	390	395	470	2.5	47	20	209	77	120
C8-1-96/97	395	400	460	2.4	52	20	203	70	110
C8-1-96/97	400	405	470	2.4	46	20	216	69	100
C8-1-96/97	405	410	470	2.2	49	18	205	69	100
C8-1-96/97	410	415	470	2.2	32	18	215	66	90
C8-1-96/97	415	420	460	2.3	40	18	203	53	100
C8-1-96/97	420	425	460	2.4	60	21	194	52	120
C8-1-96/97	425	430	480	2.5	60	21	203	56	120
C8-1-96/97	430	435	470	2.4	63	26	197	43	130
C8-1-96/97	435	440	460	2.3	64	24	198	48	130
C8-1-96/97	440	445	490	2.3	64	23	202	56	110
C8-1-96/97	445	450	510	2.3	66	22	210	49	140
C8-1-96/97	450	455	510	1.6	70	23	213	47	130
C8-1-96/97	455	460	510	1.7	66	22	209	52	120
C8-1-96/97	460	465	500	2.0	65	21	207	51	120
C8-1-96/97	465	470	490	2.5	68	27	231	35	140
C8-1-96/97	470	475	490	2.7	65	21	227	44	130
C8-1-96/97	475	480	460	2.5	68	19	204	53	120
C8-1-96/97	480	485	450	2.5	70	19	196	62	130
C8-1-96/97	485	490	450	2.4	62	17	194	61	120
C8-1-96/97	490	495	480	2.6	55	20	230	47	140
C8-1-96/97	495	500	460	2.6	63	21	220	39	140
C8-1-96/97	500	505	480	2.6	68	21	231	44	130
C8-1-96/97	505	510	460	2.4	67	19	216	56	120
C8-1-96/97	510	515	460	2.3	59	19	215	55	120
C8-1-96/97	515	520	460	2.4	68	17	210	53	130
C8-1-96/97	520	525	470	2.5	71	19	217	49	150
C8-1-96/97	525	530	460	2.6	67	21	208	43	130
C8-1-96/97	530	535	450	2.4	62	16	200	54	120
C8-1-96/97	535	540	450	2.4	66	19	196	54	130
C8-1-96/97	540	545	450	2.4	66	20	196	54	130
C8-1-96/97	545	550	490	2.5	63	20	206	49	130
C8-1-96/97	550	555	520	2.6	64	22	221	47	130
C8-1-96/97	555	560	480	2.5	55	21	202	50	130
C8-1-96/97	560	565	460	2.5	67	20	195	53	140
C8-1-96/97	565	570	450	2.5	70	22	196	47	150
C8-1-96/97	570	575	460	2.4	66	22	194	47	140
C8-1-96/97	575	580	460	2.5	68	21	198	46	140

TERRAMIN RESEARCH LABS Ltd.

Job No: 97-119

Client: Bul River Mineral Corp.
Project: Cedar C-8

Sample Number	from	to	Ba ppm	Be ppm	Cr ppm	Li ppm	Rb ppm	Sr ppm	V ppm
C8-1-96/97	580	585	480	2.4	69	21	201	47	130
C8-1-96/97	585	590	450	2.5	54	20	189	58	120
C8-1-96/97	590	595	470	2.6	63	22	212	50	130
C8-1-96/97	595	600	470	2.4	64	18	204	51	120
C8-1-96/97	600	605	470	2.5	67	22	209	49	140
C8-1-96/97	605	610	470	2.5	52	19	203	56	140
C8-1-96/97	610	615	460	2.5	67	19	202	53	140
C8-1-96/97	615	620	480	2.6	58	22	212	47	150
C8-1-96/97	620	625	480	2.3	63	21	203	45	140
C8-1-96/97	625	630	470	2.4	62	23	204	42	140
C8-1-96/97	630	635	480	2.4	62	20	212	42	140
C8-1-96/97	635	640	470	2.0	57	22	210	47	130
C8-1-96/97	640	645	490	2.4	54	25	223	47	120
C8-1-96/97	645	650	440	2.0	64	18	185	71	120
C8-1-96/97	650	655	460	2.3	73	19	195	79	110
C8-1-96/97	655	660	450	2.2	74	17	188	78	100
C8-1-96/97	660	665	450	2.1	77	19	191	81	100
C8-1-96/97	665	670	450	2.3	71	22	192	80	110
C8-1-96/97	670	675	460	23.0	74	23	195	78	120
C8-1-96/97	675	680	460	2.3	67	22	197	84	110
C8-1-96/97	680	685	430	1.8	70	20	185	85	110
C8-1-96/97	685	690	460	2.1	73	22	190	83	110
C8-1-96/97	690	695	480	2.2	69	21	193	78	110
C8-1-96/97	695	700	480	2.3	72	24	193	80	110
C8-1-96/97	710	715	470	2.4	73	22	191	77	110
C8-1-96/97	715	720	470	2.4	73	21	196	78	110
C8-1-96/97	720	725	490	2.5	65	21	211	77	110
C8-1-96/97	725	730	470	2.3	66	21	194	75	110
C8-1-96/97	730	735	470	2.4	67	23	198	75	110
C8-1-96/97	735	740	480	2.5	65	22	205	76	110
C8-1-96/97	740	745	480	2.4	64	24	204	74	110
C8-1-96/97	745	750	480	2.2	60	24	202	75	110
C8-1-96/97	750	755	480	2.4	66	23	199	72	120
C8-1-96/97	755	760	490	2.4	70	24	203	68	120
C8-1-96/97	760	765	490	2.4	66	24	198	68	120
C8-1-96/97	765	770	480	2.3	60	21	201	68	110
C8-1-96/97	770	775	480	2.3	58	24	197	67	110
C8-1-96/97	775	780	490	2.4	63	23	207	54	130
C8-1-96/97	780	785	490	2.3	65	25	202	54	130
C8-1-96/97	785	790	480	2.2	77	26	198	59	120
C8-1-96/97	790	795	480	2.2	67	20	191	58	110
C8-1-96/97	795	800	490	2.4	64	23	203	59	120

TERRAMIN RESEARCH LABS Ltd.

Job No: 97-119

Client: Bul River Minera
Project: Cedar C 8

Sample Number	from	to	SiO_2 %	Al_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	Fe_2O_3 %	MnO %	TiO_2 %
C8-1-96/97	380	385	62.0	13.3	3.833	3.084	1.267	3.675	5.65	0.148	0.40
C8-1-96/97	385	390	62.7	13.3	3.539	3.266	1.258	3.531	5.09	0.138	0.40
C8-1-96/97	390	395	61.8	13.1	4.015	3.449	1.267	3.615	5.71	0.156	0.38
C8-1-96/97	395	400	61.6	13.1	3.721	3.465	1.388	3.278	5.49	0.145	0.40
C8-1-96/97	400	405	62.5	13.3	3.498	3.532	1.232	3.507	5.08	0.146	0.38
C8-1-96/97	405	410	62.7	12.6	3.847	3.764	1.180	3.278	4.82	0.172	0.35
C8-1-96/97	410	415	62.5	12.8	3.693	3.830	1.246	3.470	4.63	0.170	0.33
C8-1-96/97	415	420	65.2	13.3	2.420	3.399	1.456	3.350	5.02	0.115	0.35
C8-1-96/97	420	425	64.8	13.7	2.280	3.382	1.483	3.169	5.19	0.103	0.42
C8-1-96/97	425	430	63.7	13.7	2.756	3.382	1.510	3.386	5.11	0.116	0.42
C8-1-96/97	430	435	64.8	13.9	2.350	3.764	1.469	3.314	5.15	0.084	0.43
C8-1-96/97	435	440	65.2	13.1	2.182	3.283	1.564	3.181	4.90	0.071	0.43
C8-1-96/97	440	445	64.6	13.5	2.364	3.150	1.537	3.434	5.46	0.083	0.43
C8-1-96/97	445	450	64.8	13.7	1.875	2.902	1.577	3.446	6.32	0.059	0.43
C8-1-96/97	450	455	64.8	14.2	1.679	2.852	1.631	3.675	5.85	0.054	0.45
C8-1-96/97	455	460	66.5	13.5	1.763	2.686	1.685	3.398	5.16	0.058	0.43
C8-1-96/97	460	465	65.7	13.5	2.308	2.885	1.604	3.410	5.85	0.076	0.42
C8-1-96/97	465	470	65.9	14.9	0.981	2.819	1.523	3.832	5.72	0.032	0.45
C8-1-96/97	470	475	64.8	14.7	1.427	2.736	1.591	3.603	5.49	0.046	0.43
C8-1-96/97	475	480	65.0	13.9	1.973	2.603	1.806	3.290	6.28	0.065	0.42
C8-1-96/97	480	485	63.7	13.5	2.518	2.620	1.779	3.193	6.35	0.077	0.40
C8-1-96/97	485	490	65.2	13.5	2.308	2.537	1.860	3.121	5.99	0.072	0.42
C8-1-96/97	490	495	64.2	14.7	1.399	2.736	1.725	3.555	6.11	0.045	0.43
C8-1-96/97	495	500	65.5	14.9	0.890	2.703	1.645	3.543	5.99	0.031	0.43
C8-1-96/97	500	505	65.2	14.9	1.063	2.620	1.793	3.711	5.42	0.053	0.43
C8-1-96/97	505	510	64.6	13.9	2.001	2.520	1.658	3.446	5.81	0.088	0.43
C8-1-96/97	510	515	64.0	14.2	2.238	2.570	1.725	3.446	5.93	0.071	0.42
C8-1-96/97	515	520	64.8	14.0	1.917	2.586	1.793	3.446	6.19	0.061	0.43
C8-1-96/97	520	525	64.2	14.6	1.707	2.703	1.752	3.555	5.72	0.048	0.43
C8-1-96/97	525	530	64.8	14.6	1.385	2.686	1.793	3.434	5.98	0.040	0.43
C8-1-96/97	530	535	64.8	13.7	2.182	2.570	1.874	3.266	5.88	0.059	0.43
C8-1-96/97	535	540	64.4	14.0	2.140	2.553	1.941	3.241	5.93	0.059	0.42
C8-1-96/97	540	545	64.0	14.0	2.112	2.736	1.901	3.205	6.39	0.072	0.42
C8-1-96/97	545	550	64.4	14.2	1.707	2.736	1.847	3.338	5.72	0.070	0.42
C8-1-96/97	550	555	63.5	14.9	1.651	2.802	1.779	3.591	5.88	0.065	0.42
C8-1-96/97	555	560	65.0	14.0	1.889	2.769	1.806	3.193	5.48	0.075	0.42
C8-1-96/97	560	565	64.2	13.9	1.945	2.719	1.887	3.302	6.02	0.076	0.38
C8-1-96/97	565	570	65.5	13.9	1.441	2.703	1.860	3.241	5.95	0.054	0.40
C8-1-96/97	570	575	65.2	13.9	1.539	2.819	1.860	3.266	6.11	0.062	0.40
C8-1-96/97	575	580	65.5	13.9	1.441	2.785	1.901	3.302	6.05	0.056	0.38

TERRAMIN RESEARCH LABS Ltd.

Job No: 97-119

Client: Bul River Minera
Project: Cedar C 8

Sample Number	from	to	SiO_2 %	Al_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	Fe_2O_3 %	MnO %	TiO_2 %
C8-1-96/97	580	585	65.7	13.9	1.469	2.785	1.955	3.217	5.56	0.054	0.40
C8-1-96/97	585	590	64.6	13.9	2.434	2.902	1.941	3.422	4.62	0.083	0.40
C8-1-96/97	590	595	65.9	14.0	1.707	2.736	1.793	3.398	5.19	0.062	0.38
C8-1-96/97	595	600	65.7	14.0	1.665	2.785	1.806	3.362	5.26	0.065	0.38
C8-1-96/97	600	605	64.4	13.9	1.595	2.785	1.766	3.531	6.06	0.056	0.40
C8-1-96/97	605	610	64.8	13.9	2.015	2.703	1.806	3.434	5.15	0.074	0.42
C8-1-96/97	610	615	65.7	13.3	1.679	2.603	1.793	3.326	5.63	0.063	0.42
C8-1-96/97	615	620	66.3	14.0	1.100	2.653	1.806	3.627	5.49	0.048	0.43
C8-1-96/97	620	625	65.5	13.7	1.072	2.769	1.806	3.482	6.84	0.048	0.40
C8-1-96/97	625	630	64.8	13.7	1.032	2.686	1.672	3.362	7.04	0.045	0.40
C8-1-96/97	630	635	65.9	13.7	1.013	2.736	1.712	3.603	6.41	0.046	0.40
C8-1-96/97	635	640	65.2	13.7	1.511	2.785	1.672	3.579	6.26	0.066	0.38
C8-1-96/97	640	645	65.9	12.6	1.721	2.752	1.510	3.711	5.53	0.062	0.37
C8-1-96/97	645	650	61.8	11.9	3.987	2.984	1.496	3.181	5.35	0.116	0.37
C8-1-96/97	650	655	61.6	12.8	4.673	3.299	1.523	3.338	4.52	0.115	0.37
C8-1-96/97	655	660	61.0	13.0	4.715	3.283	1.510	3.302	4.80	0.115	0.37
C8-1-96/97	660	665	60.5	12.6	4.813	3.565	1.456	3.278	5.05	0.112	0.37
C8-1-96/97	665	670	58.8	12.4	5.036	3.830	1.388	3.398	4.58	0.124	0.35
C8-1-96/97	670	675	59.3	13.0	4.966	3.929	1.348	3.386	4.68	0.134	0.35
C8-1-96/97	675	680	57.5	13.5	5.372	4.112	1.361	3.495	4.38	0.141	0.35
C8-1-96/97	680	685	58.6	12.6	5.218	3.764	1.415	3.302	5.35	0.130	0.33
C8-1-96/97	685	690	58.8	13.1	4.897	3.714	1.415	3.350	4.85	0.127	0.35
C8-1-96/97	690	695	60.1	13.0	4.281	3.515	1.442	3.338	5.13	0.117	0.35
C8-1-96/97	695	700	58.6	13.1	4.841	3.847	1.402	3.350	4.90	0.134	0.37
C8-1-96/97	710	715	57.1	12.8	4.561	3.614	1.388	3.302	7.81	0.125	0.38
C8-1-96/97	715	720	57.1	13.3	4.547	3.747	1.308	3.386	6.71	0.130	0.38
C8-1-96/97	720	725	58.2	13.5	4.533	4.046	1.361	3.675	4.76	0.141	0.40
C8-1-96/97	725	730	59.5	13.1	4.085	3.565	1.375	3.386	6.16	0.127	0.38
C8-1-96/97	730	735	59.9	13.1	4.071	3.498	1.483	3.446	5.75	0.130	0.40
C8-1-96/97	735	740	60.7	14.0	4.015	3.598	1.469	3.495	4.62	0.132	0.42
C8-1-96/97	740	745	60.7	14.0	3.735	3.548	1.442	3.615	4.30	0.123	0.38
C8-1-96/97	745	750	60.3	14.0	3.945	3.482	1.496	3.651	4.59	0.129	0.38
C8-1-96/97	750	755	63.1	12.8	3.567	3.250	1.469	3.398	4.86	0.121	0.38
C8-1-96/97	755	760	62.0	13.1	3.302	3.117	1.496	3.519	5.09	0.114	0.42
C8-1-96/97	760	765	62.7	13.9	3.316	3.084	1.523	3.374	4.75	0.116	0.42
C8-1-96/97	765	770	62.2	14.0	3.274	3.183	1.483	3.458	5.13	0.114	0.42
C8-1-96/97	770	775	64.4	13.7	3.078	3.084	1.496	3.398	4.80	0.110	0.40
C8-1-96/97	775	780	64.0	14.6	2.085	2.918	1.537	3.543	4.88	0.075	0.43
C8-1-96/97	780	785	64.2	14.7	2.154	2.918	1.604	3.567	5.09	0.079	0.42
C8-1-96/97	785	790	64.0	14.0	2.378	2.885	1.631	3.567	5.81	0.083	0.40
C8-1-96/97	790	795	64.2	14.4	2.378	2.785	1.631	3.458	5.72	0.084	0.38
C8-1-96/97	795	800	64.4	14.7	2.238	2.785	1.631	3.507	5.11	0.083	0.42

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LOI %	Total %
6.2	99.61
6.0	99.21
6.0	99.55
6.6	99.23
6.2	99.35
7.0	99.69
6.8	99.42
4.6	99.27
5.2	99.71
5.4	99.49
4.4	99.62
5.0	99.00
5.0	99.56
4.0	99.10
4.0	99.21
3.8	99.00
4.0	99.71
3.4	99.55
4.6	99.48
4.4	99.71
5.2	99.37
4.8	99.84
4.6	99.51
3.8	99.40
4.0	99.25
5.0	99.40
5.0	99.56
4.6	99.87
4.4	99.05
4.0	99.12
4.8	99.55
5.2	99.90
4.8	99.62
5.0	99.42
5.0	99.63
5.0	99.68
5.6	99.95
4.2	99.15
4.0	99.14
4.2	99.42

LOI %	Total %
4.8	99.76
5.0	99.25
4.6	99.78
4.4	99.42
4.6	99.03
4.8	99.06
4.6	99.10
4.2	99.70
4.4	99.94
4.2	98.92
4.4	99.87
4.6	99.77
4.8	98.95
7.8	98.99
7.2	99.42
7.4	99.42
7.6	99.38
9.0	98.96
8.6	99.60
9.2	99.44
9.0	99.73
8.6	99.26
7.8	99.05
8.6	99.19
8.4	99.48
9.0	99.64
8.4	98.99
7.8	99.49
7.6	99.41
7.0	99.52
7.2	99.13
7.4	99.42
6.6	99.54
6.8	99.03
6.6	99.70
6.2	99.54
5.0	99.43
5.2	99.18
5.2	99.94
4.8	99.53
4.8	99.79
4.8	99.69

APPENDIX 2

FORMS - STATEMENT OF WORK