

**FURTHER INVESTIGATION OF COMMERCIAL FELDSPAR RESOURCE
ON
ASPEN GROUP #1**

**FORT STEELE MINING DIVISION
BRITISH COLUMBIA
49°30'N, 115°25'W**

**FOR
R. H. STANFIELD
350 - 4723 1 St. Street S.W.
Calgary, Alberta**

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORTS
DATE RECEIVED OCT 15 1996

**By
Pilsun P. Master, P.Geol.
MASTER MINERAL RESOURCE SERVICES LTD.
Calgary, Alberta**

October 1996



**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

24,595

CONTENTS:

	<u>Page</u>
INTRODUCTION	2
LOCATION, ACCESSIBILITY & TOPOGRAPHY	2
PROPERTY	3
OBJECTIVES, SCOPE AND DESCRIPTION OF WORK D6NE	3
FELDSPAR- INDUSTRIAL MINERAL PRODUCT SPECIFICATION VS. CHEMICAL COMPOSITION (GRADE CRITERIA)	4
1996 DRILLING PROGRAM (F-96 HOLES)	4
CONCLUSIONS AND RECOMMENDATIONS	5
COSTS STATEMENT	6
REFERENCES	9
STATEMENT OF QUALIFICATIONS	10
CERTIFICATE	11
APPENDIX 1 : DRILL LOGS, ANALYTICAL REPORT	12

Figures:

	<u>After Page:</u>
Figure 1A: SITE LOCATION	2
Figure 1: Location of Aspen Group #1	2
Figure 2: OUTLINE OF CLAIM BOUNDARIES, ASPEN GROUP #1	3
Figure 3: LOCATION OF DRILL HOLES, ASPEN GROUP #1	In Pocket

INTRODUCTION:

Drilling programs in 1987 and 1994 located a deposit of feldspar porphyry on the Aspen 11 claim. Subsequent surface mapping and airborne geophysical surveys outlined the extension of the deposit. Currently the deposit is recognized as a large intrusive stock identified as monzonite with feldspar as the main mineral component, and quartz and mica as the other rock forming minerals in relatively small proportion.

The monzonite stock has intruded Devonian sediments, mostly limestone, and in some places its composition is altered by assimilation of large blocks and xenoliths of the host rock.

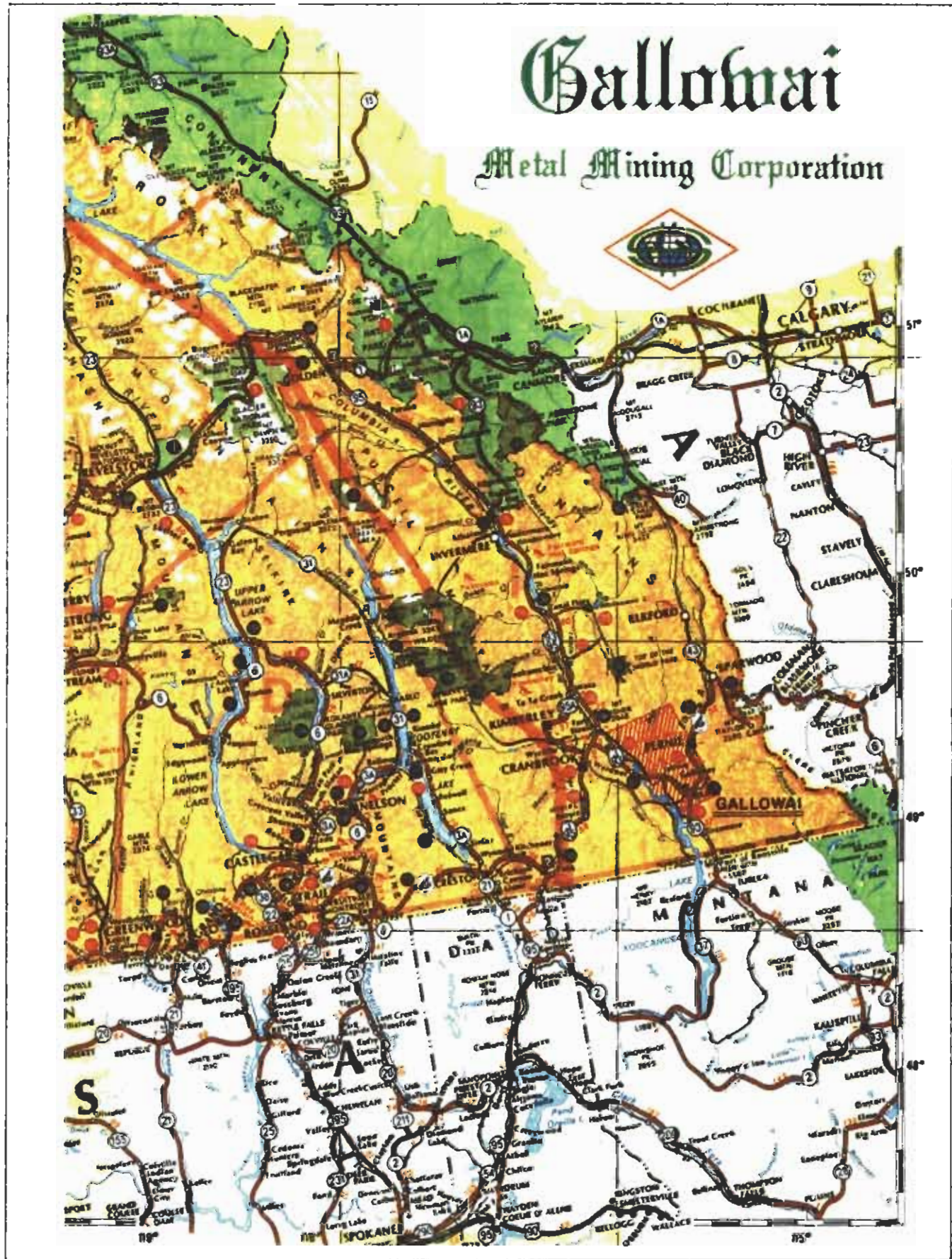
Feldspar is used in the manufacture of container glass and glass fiber insulation, in ceramic whiteware products and glazes, in wall and floor tile compositions, and as a filler-extender in paints, plastics and foam rubber.

Previous work on the deposit indicate that it is relatively uniform in all components, except carbonates, which are mainly calcite and siderite. Iron content is directly correlated to the siderite content. Material characterization to date indicates that all physical and chemical properties meet the specifications for the glass and ceramic industry. In certain portions of the deposit, iron content exceeds the specifications for the ceramic industry, and subsequently the total iron content is used as the primary characteristic for grade determination in drilling and sampling programs.

LOCATION, ACCESSIBILITY & TOPOGRAPHY:

The Aspen claims are located in southeastern British Columbia, approximately 30 kilometers by Highway 3 from Cranbrook, and then by Highway 93 just past the settlement of Bull River. **Figure 1** is a satellite image (in 321plus4 band), showing the major physiographic and cultural features of the area. Secondary gravel roads provide access to the Aspen Group #1. Most of the claims are on fairly open parkland. Thicker vegetation consists usually of brush, and is located in the Bull River valley and subsidiary drainage and dry creek beds.

The claims are in the Fort Steele Mining Division in N.T.S. 82G/6, centered approximately at $49^{\circ}25'45''\text{N}$, $115^{\circ}25'\text{W}$. **Figure 2** is an airphoto mosaic showing the outline of the Aspen claims. **Figure 3** is a larger scale topographic map showing the location of the drill holes with respect to physiographic, cultural features, and the claim boundaries. Topographic relief ranges from 840 meters to 1030 meters.



SITE LOCATION

Scale 1:200 000



Kilometers

BUL RIVER MINERAL CORP. LTD.

Figure 1
Location of Aspen Group # 1

DATE: October 1996

BY: Master Mineral Resource Services Ltd.

PLAN NO.

SCALE: 1:200 000

REF. ppmaspenass_fig1.sig

PROPERTY:

<u>Name of Claim</u>	<u>Number of Units</u>	<u>Tenure Number</u>
Aspen #9	20	321708
Aspen #10	20	322366
Aspen #11	20	311912
Aspen #12	20	311913
Aspen #13	10	340111

OBJECTIVES, SCOPE AND DESCRIPTION OF WORK DONE:

The Aspen Group #1 is adjacent to the block of claims on which the Bul River Mine is located. The mine-mill was operated in the 1970s by Placid Oil and was primarily a producer of copper concentrates. During the course of step-out drilling in 1987, one diamond drill hole intersected a significant section of feldspar porphyry intrusion. The core was examined by the author of this report (see November 1994 assessment report) and the value of the deposit as a source of feldspar industrial commodity was recognized. In 1994 two percussion drill holes were completed and sampled to extend the reserves on the deposit.

In the early 1990's a portion of the Aspen Claim group was covered by a DIGHEM airborne geophysical survey and a large magnetic anomaly was discovered to cover the area over the reserves recognized from the 1987 and 1994 drilling program. This same magnetic anomaly extends for a considerable distance south and southwest of the initially drilled (discovery) area, therefore, in 1996 three percussion drill holes (F2, 3,4 - 96) were completed to investigate the area to the south (see **Figure 3**). One percussion hole (F1-96) was completed to the west of the original discovery area to determine if the feldspar intrusive extended west of the boundary indicated by the aeromagnetic anomaly.

The cuttings from the 1996 drill program were sampled every 1.52 meters five feet), equivalent to anticipated bench width in open shelf mining of the deposit. The cuttings were examined, and the lithology logged using visual criteria like mineralogy, grain size proportion, and colour --specifically attributable to secondary iron. Samples were cut and analyzed for total iron content for each 1.52 meter interval. **Appendix 1** includes logs of the drill holes with the iron analysis. The iron content was composited by weight over sections of the feldspar deposit as differentiated by colour change(s) and grain size variability.

Figure 2

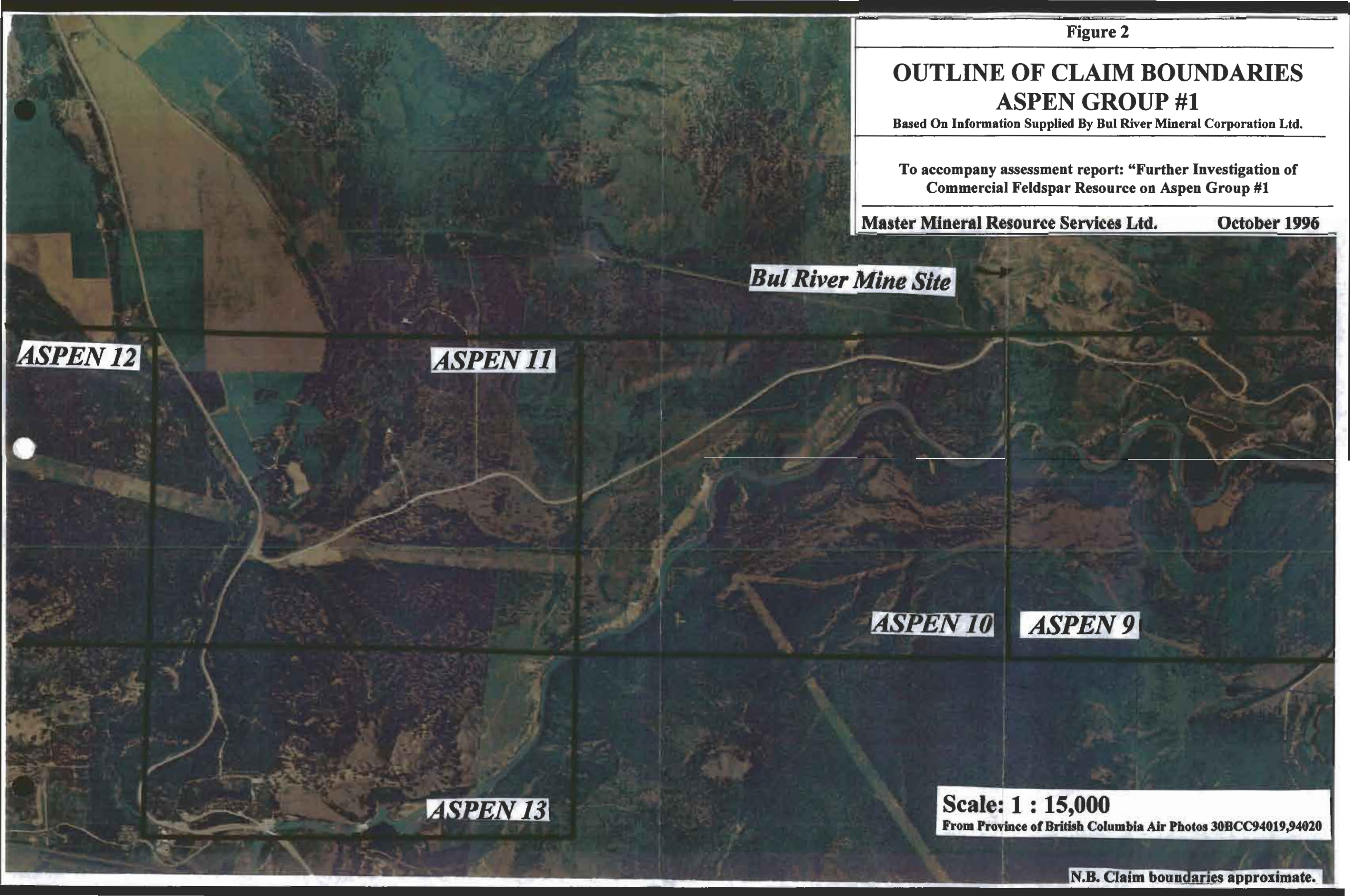
**OUTLINE OF CLAIM BOUNDARIES
ASPEN GROUP #1**

Based On Information Supplied By Bul River Mineral Corporation Ltd.

To accompany assessment report: "Further Investigation of
Commercial Feldspar Resource on Aspen Group #1

Master Mineral Resource Services Ltd.

October 1996



Bul River Mine Site

ASPEN 12

ASPEN 11

ASPEN 10

ASPEN 9

ASPEN 13

Scale: 1 : 15,000

From Province of British Columbia Air Photos 30BCC94019,94020

N.B. Claim boundaries approximate.

FELDSPAR -- INDUSTRIAL MINERAL PRODUCT SPECIFICATIONS VS. CHEMICAL COMPOSITION (GRADE CRITERIA):

Although feldspar is a common rock-forming mineral, commercial concentration of feldspars are found in pegmatite, alaskite, aplite, feldspathic sand and feldspathic quartzite. Where concentrations are high the tonnage is relatively low, except in secondary deposits like feldspathic sand and in intrusive rocks. Intrusives of batholithic proportions that are almost mono-mineralic feldspar are rare. The Aspen claim deposit is one of these rare types with a potential for large tonnage and low impurities like quartz, mica and secondary minerals like magnetite.

Feldspar is used mainly in the glass and ceramic group of industries. In both industries there is a considerable overlap of chemical specifications, with higher tolerance for iron in the glass industry. Only the grain/particle size range specifications vary from -30 to about +140 mesh for the glass industry, and -140 mesh to as fine as -325 mesh for the ceramic industries. This allows the same source material to undergo primary processing to produce glass grade, with subsequent processing to increase purity and reduce particle size for the ceramic grade.

1996 DRILLING PROGRAM (F-96 HOLES):

Between July 27 and August 10, 1996, four percussion drill holes were completed for R. H. Stanfield by Schmidt Drilling on Aspen 11. The following table summarizes the location of the drill collars.

<u>Drill Hole #</u>	<u>UTM (NAD 83 Datum)</u>		<u>Dip</u>	<u>Length</u>	<u>Collar Elev.</u>
	<u>North</u>	<u>East</u>			
F1 - 96	5483810	613521	-90 ⁰	106.06m	851.76m
F2 - 96	5482288	613261	-90 ⁰	106.06m	909.86m
F3 - 96	5482377	613024	-90 ⁰	219.70m	902.14m
F4 - 96	5482317	613417	-90 ⁰	154.55m	912.35m

Hole F1-96 is north and west of the discovery area where the drill holes of the 1987 and 1994 program are located (**Figure 3**). Holes F2, F3 and F4 are located in the area to the south end of the large aeromagnetic anomaly that outlines the extent of the feldspar intrusive

The drill hole logs are in **Appendix 1**. Every 1.52 meter section of the drill holes through the feldspar intrusive was sampled and analyzed for total iron (reported as Fe₂O₃). The results of the analysis are also in **Appendix 1**, together with the weighted average total iron over sections demarcated on the basis of the colour due to iron oxides and/or grain size variation.

There is not enough data yet to connect grade boundaries between drill holes, but it is evident that overall the iron content in holes F2, F3 and F4 is less than in the discovery area where the average iron (as Fe_2O_3) was just over 3%. No feldspar intrusive was intersected in hole F1, which supports the interpretation of aeromagnetic data from previous surveys.

CONCLUSIONS AND RECOMMENDATIONS:

Based on the material characteristics of samples from the original discovery area, the iron content in the coarser fractions was less than the maximum specified for most glass grades, and work is in progress to reduce the iron content in the finer fractions to meet the 0.07% maximum specified for most ceramic grades.

The drilling program in the southern extension of the intrusive indicates that the iron content is generally <1% and in places less than 0.5% compared to over 3% in the raw material of the original discovery area. This indicates that a better grade feldspar is available for ceramic grades in the southern area, and further drilling, sampling and material characterization is recommended for this area.

COSTS STATEMENT:

(Based on information provided by R. H. Stanfield and Bul River Mineral Corporation Ltd.)

Direct Costs

Mobilization and Demobilization	1,000.00
Drilling Costs (1871' x \$30)	56,130.00
20 Bags Seisgel Mud @ \$24.00/per	480.00
4- 20 Litre Hammer oil @ \$48.00/per	192.00
2- 6 5/8" drive shoes @ \$58.00/per	116.00
233'- 6 5/8 Casing @ \$7.50/ft	1,747.50
1- 6 1/4 Button Bit @ \$600/per	600.00
2- 5 1/8 Hammer Bit @ \$380.00/per	760.00
271'- 5 9/16 Casing @ \$6.75/ft	1,829.25
Transport of Casing to Galloway	<u>850.00</u>

Total Direct Costs**\$63,704.75****Indirect Costs**

R+B @ \$65/man/day -13 days	3,380.00
Foreman 130 hrs. @ \$20.00 per/hour	2,600.00
Foreman 13 days 4X4 @50.00	650.00
Consultant Fees 11 Days @ \$350.00/day	3,850.00
Consultant R+B \$65/day 5 days	325.00
Consultant 5 days 4X4 @ \$50.00/day	250.00
Chemical Analysis	1,800.00
Co-ordinator sampling, site reclaim. \$140/day	1,400.00
Co-ordinator 4X4 \$50/day	500.00
Co-ordinator R+B \$65/day 10 days	<u>650.00</u>

Total Indirect Costs**\$15,405.00**

Total Costs	<u>\$79,109.75</u>
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Statement of Work

August 2, 1996	\$ 16,000
September 25, 1996	\$ 14,000
PAC	<u>\$ 49,109.75</u>

Total**\$ 79,109.75**

General Information

Contractor	Schmidt Drilling Ltd. P.O. Box 98, Tees, Alberta T0C 2N0
Crew	Driller-Darcy Schmidt Helpers-Bob Bell, Don Brown
Contractor Equipment	Ingersol Rand TH60 Truck Mounted Rotary Percussion Drill Rig, 600CFM Air Compressor. Western Star Flatbed, 1000 Ga. Tanker and Pipe Truck 915 Weldco Casing Hammer, 5 x10 mud pump Tool Shed Trailer (8x15) and ¼ ton 4x4 Diesel Crew Cab and Slip Tank
Company Equipment	F250 Bush Box 4x4 Pickups

Costs with respect to each drill hole**F1-96**

July 27-30	4 days
Mob and Demob	\$ 1000.00
Fixed Costs	\$ 4473.00
Room and Board x4 days	\$ 1040.00
4X4 x4 days	\$ 200.00
Foreman 4x10hr.x20/hr	\$ 800.00
Drilling 0'-351' @ \$30.00 per ft.	\$ 10530.00
Total	\$18,043.00

F2-96

July 31- August 1	2 days
Mob and Demob	
Fixed Costs	\$ 102.00
Room and Board x2 days	\$ 520.00
4X4 x2 days	\$ 100.00
Foreman 2x10hr.x20/hr	\$ 400.00
Drilling 0'-350' @ \$30.00 per ft.	\$ 10,500.00
Total	\$ 11,622.00

F3-96

August 1 - August 7	4 days
Mob and Demob	
Fixed Costs	\$ 1081.50
Room and Board x4 days	\$ 1040.00
4X4 x4 days	\$ 200.00
Foreman 4x10hr.x20/hr	\$ 800.00
Drilling 0'-725' @ \$30.00 per ft.	\$ 21,750.00
Total	\$ 24,871.50

F4-96

August 8 - August 10	3 days	
Mob and Demob		
Fixed Costs		\$ 918.25
Room and Board x3 days		\$ 780.00
4X4 x3 days		\$ 150.00
Foreman 3x10hr.x20/hr		\$ 600.00
Drilling 0'-445' @ \$30.00 per ft.		\$ 13,350.00
Total		\$ 15,798.25

Pilsun Master, P.Geol. (Consultant)

11 days @ \$ 350.00	\$ 3850.00
5 days @ \$ 65.00 R+B	\$ 325.00
5 days 4X4 @ \$50	\$ 250.00
Chemical Analysis	\$ 1800.00
Total	\$ 6225.00

T. Hewison Hole Co-ordinator (ie: samples, sample prep, site reclamation)

10 days @ \$140.00/day	\$ 1400.00
10 days 4X4 @ \$50/day	\$ 500.00
Room and Board x 10 days	\$ 650.00
Total	\$ 2550.00

Grand Total**\$ 79,109.75**

REFERENCES:

Hoy, T., Van Der Heyden, P.; 1988; Geochemistry, Geochronology and Tectonic Implications of two Quartz Monzonite Intrusions, Purcell Mountains, Southeastern British Columbia; vol.25, pp. 106-115.

Lamb, A.T., Smith, D.W.; 1962; Refraction Profiles Over the Southern Rocky Mountain Trench Area of B.C.; Journal of the Alberta Society of Petroleum Geologists; vol.10, pp. 428-437.

Leech, G.B.; 1962; Structure of the Bull River Valley near Latitude 49⁰35'; Journal of the Alberta Society of Petroleum Geologists; vol.10, pp. 396-407

Leech, G.B.; 1958; Fernie Map Area, West Half, British Columbia; Geological Survey of Canada; Paper 58-10.

Lefond, S.J.; 1983; Industrial Minerals and Rocks, 5th Edition, Society of Mining Engineers, AIME.

Master, P.P.;1991; DIGHEM Airborne Survey on the Steeples Claim Block and portion of the Aspen Claim Block, Assessment Report filed for R. H. Stanfield.

Master, P.P.;1994; Investigation of Commercial Feldspar Resource on Aspen 9,10,11 and 12 Claims; Assessment Report filed for R. H. Stanfield.

STATEMENT OF QUALIFICATION:

I, Pilsun 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 have practiced my profession for the past twenty nine years, including twelve years in the geology, material characterization, process and product research for a range of industrial minerals and materials.

I hold no interest in the properties or securities of R. H. Stanfield, or affiliates thereof, nor do I expect to receive any directly or indirectly.

This report on the feldspar deposit is based on my direct involvement in the research, planning, examination of drill cuttings, outcrops, planning and the selection of physical and chemical properties to complete grade determinations and material characterization.

PERMIT TO PRACTICE	
MASTER MINERAL RESOURCE SERVICES LTD.	
Signature	<i>P. Master</i>
Date	<i>Oct 22, 96.</i>
PERMIT NUMBER: P 5336	
The Association of Professional Engineers, Geologists and Geophysicists of Alberta	

CERTIFICATE

October 15, 1996

I, Phil D. de Souza, certify that:

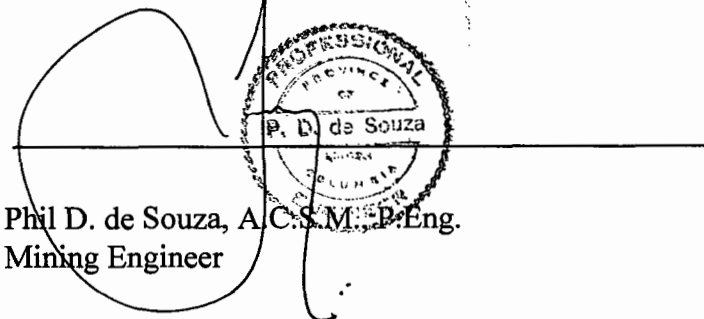
I am a graduate of the Camborne School of Mines, Cornwall, England and that I hold the degree of ACSM First Class in Mining Engineering therefrom.

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 Provinces 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: "Further Investigation of Commercial Feldspar Resource on Aspen Group #1", for R. H. Stanfield, has been reviewed by me and results from my direct project 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.



A handwritten signature of Phil D. de Souza is written over a circular professional seal. The seal contains the text "PROFESSIONAL ENGINEER", "PROVINCE OF BRITISH COLUMBIA", and "P. D. de Souza". A horizontal line is drawn across the seal and signature.

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

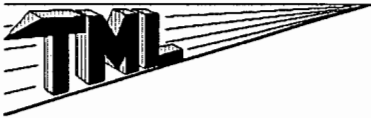
APPENDIX 1
DRILL LOGS
ANALYTICAL REPORT

BUL RIVER MINERAL CORPORATION LTD.				R. H. STANFIELD		
PROJECT:	Feldspar	LOCATION	ASPEN CLAIMS, UTM, NAD-83, 5483810N, 613521E, COLLAR ELEV. 851.76M			
CLAIMS:	ASPEN 11 OF ASPEN GROUP #1					
DRILL HOLE NO:	F1 - 96					
	DRILLED BY:	Schmidt Drilling Ltd. P.O. Box 98, Tees, Alberta				
	DATES DRILLED:	July 27 - 30, 1996				
	LOGGED BY:	Piisum Master, P.Geol.				
	DATES LOGGED:	August 19 - 23, 1996				
FROM (Ft)	FROM (Metres)	TO (Ft)	TO (Metres)	DESCRIPTION	SAMPLE #	TOTAL Fe %
0.00	0.00	265.00	80.30	Overburden		
265.00	80.30	270.00	81.82	Argillaceous Quartzite		
270.00	81.82	275.00	83.33	Argillaceous Quartzite		
275.00	83.33	280.00	84.85	Argillaceous Quartzite		
280.00	84.85	285.00	86.36	Regolith(?), kaolinised, recognisable feldspar		3.60
285.00	86.36	290.00	87.88	Argillaceous Quartzite		
290.00	87.88	295.00	89.39	Argillaceous Quartzite		
295.00	89.39	300.00	90.91	Argillaceous Quartzite		
300.00	90.91	305.00	92.42	Argillaceous Quartzite		
305.00	92.42	310.00	93.94	Argillaceous Quartzite		
310.00	93.94	315.00	95.45	Argillaceous Quartzite		
315.00	95.45	320.00	96.97	Argillaceous Quartzite		
320.00	96.97	325.00	98.48	Argillaceous Quartzite		
325.00	98.48	330.00	100.00	Argillaceous Quartzite		
330.00	100.00	335.00	101.52	Argillaceous Quartzite		
335.00	101.52	340.00	103.03	Argillaceous Quartzite		
340.00	103.03	345.00	104.55	Argillaceous Quartzite		
345.00	104.55	350.00	106.06	Argillaceous Quartzite		
				END OF HOLE		

BUL RIVER MINERAL CORPORATION LTD.				R. H. STANFIELD			
PROJECT:		Feldspar	LOCATION	ASPEN CLAIMS, UTM, NAD-83: 5482288N, 613261E, COLLAR ELEV. 909.85M			
CLAIMS:		ASPEN 11 OF ASPEN GROUP #1					
DRILL HOLE NO:		F2 - 98					
DRILLED BY:		Schmidt Drilling Ltd., P.O. Box 98, Tees, Alberta T0C 2N0					
DATES DRILLED:		July 31 - August 1, 1996					
LOGGED BY:		Pilsun Master, P. Geol.					
DATES LOGGED:		August 19 - 23, 1996					
FROM (Ft)	FROM (Metres)	TO (Ft)	TO (Metres)	DESCRIPTION	SAMPLE #	TOTAL Fe % Over Metres	WEIGHTED Fe%
0.00	0.00	5.00	1.52	FELDSPAR PORPHYRY (monzonite):buff, <1/8", some FeOx		1.27	
5.00	1.52	10.00	3.03	FELDSPAR PORPHYRY (monzonite):buff, <1/8", some FeOx		0.72	
10.00	3.03	15.00	4.55	FELDSPAR PORPHYRY (monzonite):buff, <1/8", some FeOx		0.92	
15.00	4.55	20.00	6.06	FELDSPAR PORPHYRY (monzonite):buff, <1/8", some FeOx		0.83	
20.00	6.06	25.00	7.58	FELDSPAR PORPHYRY (monzonite):buff, <1/8", some FeOx		0.60	
25.00	7.58	30.00	9.09	FELDSPAR PORPHYRY (monzonite):buff, <1/8", some FeOx		0.77	
30.00	9.09	35.00	10.61	FELDSPAR PORPHYRY (monzonite):buff, <1/8", some FeOx		0.85	10.61 0.56
35.00	10.61	40.00	12.12	FELDSPAR PORPHYRY (monzonite):buff, <1/8", medium FeOx		0.94	
40.00	12.12	45.00	13.64	FELDSPAR PORPHYRY (monzonite):buff, <1/8", medium FeOx		0.73	4.55 0.37
45.00	13.64	50.00	15.15	FELDSPAR PORPHYRY (monzonite):buff, more sandy, medium FeOx		0.85	
50.00	15.15	55.00	16.67	FELDSPAR PORPHYRY (monzonite):buff, more sandy, medium FeOx		0.75	
55.00	16.67	60.00	18.18	FELDSPAR PORPHYRY (monzonite):buff, more sandy, medium FeOx		0.81	
60.00	18.18	65.00	19.70	FELDSPAR PORPHYRY (monzonite):buff, more sandy, medium FeOx		0.63	
65.00	19.70	70.00	21.21	FELDSPAR PORPHYRY (monzonite):buff, more sandy, medium FeOx		0.88	
70.00	21.21	75.00	22.73	FELDSPAR PORPHYRY (monzonite):buff, more sandy, medium FeOx		0.90	
75.00	22.73	80.00	24.24	FELDSPAR PORPHYRY (monzonite):buff, more sandy, medium FeOx		0.71	
80.00	24.24	85.00	25.76	FELDSPAR PORPHYRY (monzonite):buff, more sandy, medium FeOx		0.36	
85.00	25.76	90.00	27.27	FELDSPAR PORPHYRY (monzonite):buff, more sandy, medium FeOx		1.15	
90.00	27.27	95.00	28.79	FELDSPAR PORPHYRY (monzonite):buff, more sandy, medium FeOx		0.97	
95.00	28.79	100.00	30.30	FELDSPAR PORPHYRY (monzonite):buff, more sandy, medium FeOx		0.83	
100.00	30.30	105.00	31.82	FELDSPAR PORPHYRY (monzonite):buff, more sandy, medium FeOx		1.05	
105.00	31.82	110.00	33.33	FELDSPAR PORPHYRY (monzonite):buff, more sandy, medium FeOx		0.94	19.70 0.55
110.00	33.33	115.00	34.85	FELDSPAR PORPHYRY (monzonite):buff to chocolate, gravel size, fines		0.82	
115.00	34.85	120.00	36.36	FELDSPAR PORPHYRY (monzonite):buff to chocolate, gravel size, fines		0.93	
120.00	36.36	125.00	37.88	FELDSPAR PORPHYRY (monzonite):buff to chocolate, gravel size, fines		0.69	6.06 0.56
125.00	37.88	130.00	39.39	FELDSPAR PORPHYRY (monzonite):grey, gravel size, no fines		0.86	
130.00	39.39	135.00	40.91	FELDSPAR PORPHYRY (monzonite):grey, gravel size, no fines		0.87	3.03 0.57
135.00	40.91	140.00	42.42	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel with fines		0.43	
140.00	42.42	145.00	43.94	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel with fines		0.45	
145.00	43.94	150.00	45.45	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel with fines		0.58	
150.00	45.45	155.00	46.97	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel with fines		0.47	
155.00	46.97	160.00	48.48	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel with fines		0.39	
160.00	48.48	165.00	50.00	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel with fines		0.35	
165.00	50.00	170.00	51.52	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel with fines		0.45	
170.00	51.52	175.00	53.03	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel with fines		0.34	
175.00	53.03	180.00	54.55	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel with fines		0.44	
180.00	54.55	185.00	56.06	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel with fines		0.33	
185.00	56.06	190.00	57.58	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel with fines		0.38	
190.00	57.58	195.00	59.09	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel with fines		0.37	
195.00	59.09	200.00	60.61	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel with fines		0.38	
200.00	60.61	205.00	62.12	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel with fines		0.42	19.70 0.27
205.00	62.12	210.00	63.64	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel, clay		0.43	
210.00	63.64	215.00	65.15	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel, clay		0.50	
215.00	65.15	220.00	66.67	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel, clay		0.49	
220.00	66.67	225.00	68.18	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel, clay		0.38	
225.00	68.18	230.00	69.70	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel, clay		0.51	
230.00	69.70	235.00	71.21	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel, clay		0.55	
235.00	71.21	240.00	72.73	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel, clay		0.63	
240.00	72.73	245.00	74.24	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel, clay		0.75	
245.00	74.24	250.00	75.76	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel, clay		0.64	
250.00	75.76	255.00	77.27	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel, clay		0.35	
255.00	77.27	260.00	78.79	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel, clay		0.80	
260.00	78.79	265.00	80.30	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel, clay		0.42	
265.00	80.30	270.00	81.82	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel, clay		1.08	
270.00	81.82	275.00	83.33	FELDSPAR PORPHYRY (monzonite):light flesh colour, gravel, clay		0.35	21.21 0.37
275.00	83.33	280.00	84.85	FELDSPAR PORPHYRY (monzonite):buff, medium FeOx, clay agglom.		0.65	
280.00	84.85	285.00	86.36	FELDSPAR PORPHYRY (monzonite):buff, medium FeOx, clay agglom.		1.43	
285.00	86.36	290.00	87.88	FELDSPAR PORPHYRY (monzonite):buff, medium FeOx, clay agglom.		0.46	
290.00	87.88	295.00	89.39	FELDSPAR PORPHYRY (monzonite):buff, medium FeOx, clay agglom.		0.81	
295.00	89.39	300.00	90.91	FELDSPAR PORPHYRY (monzonite):buff, medium FeOx, clay agglom.		0.84	7.58 0.55
300.00	90.91	305.00	92.42	FELDSPAR PORPHYRY (monzonite):yellow FeOx, clay agglom.		Not sampled	
305.00	92.42	310.00	93.94	FELDSPAR PORPHYRY (monzonite):yellow FeOx, clay agglom.		Not sampled	
310.00	93.94	315.00	95.45	FELDSPAR PORPHYRY (monzonite):yellow FeOx, clay agglom.		Not sampled	
315.00	95.45	320.00	96.97	FELDSPAR PORPHYRY (monzonite):yellow FeOx, clay agglom.		Not sampled	
320.00	96.97	325.00	98.48	FELDSPAR PORPHYRY (monzonite):yellow FeOx, clay agglom.		Not sampled	
325.00	98.48	330.00	100.00	FELDSPAR PORPHYRY (monzonite):yellow FeOx, clay agglom.		Not sampled	
330.00	100.00	335.00	101.52	FELDSPAR PORPHYRY (monzonite):yellow FeOx, clay agglom.		Not sampled	
335.00	101.52	340.00	103.03	FELDSPAR PORPHYRY (monzonite):yellow FeOx, clay agglom.		Not sampled	
340.00	103.03	345.00	104.55	FELDSPAR PORPHYRY (monzonite):yellow FeOx, clay agglom.		Not sampled	
345.00	104.55	350.00	106.06	FELDSPAR PORPHYRY (monzonite):yellow FeOx, clay agglom.		Not sampled	
END OF HOLE							

BUL RIVER MINERAL CORPORATION LTD.				R. H. STANFIELD				
PROJECT:		Feldspar	LOCATI	ASPEN CLAIMS, UTM, NAD-83, 5482377N, 613024E, COLLAR ELEV. 902.14M				
CLAIMS:		ASPEN 11 OF ASPEN GROUP #1						
DRILL HOLE NO:		F3 - 96						
DRILLED BY:		Schmidt Drilling Ltd., P.O. Box 98, Tees, Alberta T0C 2N0						
DATES DRILLED:		August 1 - 7, 1996						
LOGGED BY:		Pilsun Master, P.Geol.						
DATES LOGGED:		August 19 - 23, 1996						
FROM (Ft)	FROM (Metres)	TO (Ft)	TO (Metres)	DESCRIPTION	SAMPLE #	TOTAL Fe	Over Metres	WEIGHTED Fe %
0.00	0.00	65.00	19.70	Overburden				
65.00	19.70	70.00	21.21	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin		0.74		
70.00	21.21	75.00	22.73	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin		0.69		
75.00	22.73	80.00	24.24	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin		0.45		
80.00	24.24	85.00	25.76	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin		0.47	6.06	0.39
85.00	25.76	90.00	27.27	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin+high FeOx		1.21		
90.00	27.27	95.00	28.79	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin+high FeOx		1.08		
95.00	28.79	100.00	30.30	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin+high FeOx		1.30		
100.00	30.30	105.00	31.82	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin+high FeOx		1.35		
105.00	31.82	110.00	33.33	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin+high FeOx		1.52		
110.00	33.33	115.00	34.85	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin+high FeOx		1.28		
115.00	34.85	120.00	36.36	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin+high FeOx		1.08		
120.00	36.36	125.00	37.88	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin+high FeOx		1.38		
125.00	37.88	130.00	39.39	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin+high FeOx		1.12		
130.00	39.39	135.00	40.91	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin+high FeOx		1.02		
135.00	40.91	140.00	42.42	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin+high FeOx		1.28		
140.00	42.42	145.00	43.94	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin+high FeOx		1.07		
145.00	43.94	150.00	45.45	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin+high FeOx		1.24		
150.00	45.45	155.00	46.97	FELDSPAR PORPHYRY (monzonite):grey/buff,plnk phenocry,gravel+fin+high FeOx		1.29	21.21	0.81
155.00	46.97	160.00	48.48	FELDSPAR PORPHYRY (monzonite):grey/buff,less gravel more fines+little-med. FeOx		1.48	3.03	0.91
160.00	48.48	165.00	50.00	FELDSPAR PORPHYRY (monzonite):buff to red,gravel,sand + fines, med.-high FeOx		1.24		
165.00	50.00	170.00	51.52	FELDSPAR PORPHYRY (monzonite):buff to red,gravel,sand + fines, med.-high FeOx		1.32		
170.00	51.52	175.00	53.03	FELDSPAR PORPHYRY (monzonite):buff to red,gravel,sand + fines, med.-high FeOx		0.86	4.55	0.75
175.00	53.03	180.00	54.55	FELDSPAR PORPHYRY (monzonite):buff to red,higher clay,lower FeOx		1.04		
180.00	54.55	185.00	56.06	FELDSPAR PORPHYRY (monzonite):buff to red,higher clay,lower FeOx		0.68	3.03	0.57
185.00	56.06	190.00	57.58	FELDSPAR PORPHYRY (monzonite):buff to red,more gravel less fines, med. FeOx		1.48		
190.00	57.58	195.00	59.09	FELDSPAR PORPHYRY (monzonite):buff to red,more gravel less fines, med. FeOx		1.25		
195.00	59.09	200.00	60.61	FELDSPAR PORPHYRY (monzonite):buff to red,more gravel less fines, med. FeOx		1.33		
200.00	60.61	205.00	62.12	FELDSPAR PORPHYRY (monzonite):buff to red,more gravel less fines, med. FeOx		1.11		
205.00	62.12	210.00	63.64	FELDSPAR PORPHYRY (monzonite):buff to red,more gravel less fines, med. FeOx		1.06		
210.00	63.64	215.00	65.15	FELDSPAR PORPHYRY (monzonite):buff to red,more gravel less fines, med. FeOx		0.79		
215.00	65.15	220.00	66.67	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med. FeOx		0.72		
220.00	66.67	225.00	68.18	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med. FeOx		0.99		
225.00	68.18	230.00	69.70	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med. FeOx		1.30		
230.00	69.70	235.00	71.21	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med. FeOx		1.54		
235.00	71.21	240.00	72.73	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med. FeOx		1.60		
240.00	72.73	245.00	74.24	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med. FeOx		1.56		
245.00	74.24	250.00	75.76	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med. FeOx		1.32		
250.00	75.76	255.00	77.27	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med. FeOx		1.42		
255.00	77.27	260.00	78.79	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med. FeOx		1.50		
260.00	78.79	265.00	80.30	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med. FeOx		1.75		
265.00	80.30	270.00	81.82	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med. FeOx		1.73		
270.00	81.82	275.00	83.33	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med. FeOx		1.62		
275.00	83.33	280.00	84.85	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med. FeOx		1.50	28.79	0.89
280.00	84.85	285.00	86.36	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med.-high FeOx		1.33		
285.00	86.36	290.00	87.88	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med.-high FeOx		1.49		
290.00	87.88	295.00	89.39	FELDSPAR PORPHYRY (monzonite):buff to red,equal gravel and fines, med.-high FeOx		1.57		
295.00	89.39	300.00	90.91	FELDSPAR PORPHYRY (monzonite):buff to red,gravel and more fines, med.-high FeOx		1.66	6.06	1.00
300.00	90.91	330.00	100.00	FELDSPAR PORPHYRY (monzonite):buff to red,gravel and more fines, med.-high FeOx				
330.00	100.00	355.00	107.58	FELDSPAR PORPHYRY (monzonite):grey/ white, plagioclase rich, low FeOx				
355.00	107.58	360.00	109.09	FELDSPAR PORPHYRY (monzonite):grey/ white, plagioclase rich, very high clay, low FeOx				
360.00	109.09	420.00	127.27	FELDSPAR PORPHYRY (monzonite):buff to red,gravel and more fines, med.-high FeOx				
420.00	127.27	625.00	189.39	FELDSPAR PORPHYRY (monzonite):buff to red, more gravel, med.-high FeOx				
625.00	189.39	725.00	219.70	FELDSPAR PORPHYRY (monzonite):less red more grey, pink K-spar, less FeOx				
				END OF HOLE				

BUL RIVER MINERAL CORPORATION LTD.							R. H. STANFIELD		
PROJEC	Feldspar	LOCATI	ASPEN CLAIMS, UTM, NAD-83, 5482317N, 613417E, COLLAR ELEV. 912.35M						
CLAIMS:	ASPEN 11 OF ASPEN GROUP #1								
DRILL HOLE NO:	F4 - 96								
	DRILLED BY:	Schmidt Drilling Ltd., P.O.Box 98, Tees, Alberta T0C 2N0							
	DATES DRILLED:	August 8 - 10, 1996							
	LOGGED BY:	Pilsun Master, P.Geol.							
	DATES LOGGED:	August 19 - 23, 1996							
FROM (Ft)	FROM	TO (Ft)	TO	DESCRIPTION	SAMPLE #	TOTAL Fe	Over	WEIGHTED	
	(Metres)		(Metres)				Metres	Fe %	
0.00	0.00	5.00	1.52	Overburden					
5.00	1.52	135.00	40.91	Argillaceous Limestone: dark (black), strong effervescence with dilurte HCl					
135.00	40.91	165.00	50.00	Siliceous Limestone: grey, strong effervescence with dilute HCl					
165.00	50.00	220.00	66.67	Grey Limestone mixed with Feldspar Porphyry (sill or dyke?)					
220.00	66.67	225.00	68.18	FELDSPAR PORPHYRY (monzonite): buff, gravel to fine, low FeOx		1.42			
225.00	68.18	230.00	69.70	FELDSPAR PORPHYRY (monzonite): buff, gravel to fine, low FeOx		1.19			
230.00	69.70	235.00	71.21	FELDSPAR PORPHYRY (monzonite): buff, gravel to fine, low FeOx		1.44			
235.00	71.21	240.00	72.73	FELDSPAR PORPHYRY (monzonite): buff, gravel to fine, low FeOx		0.81			
240.00	72.73	245.00	74.24	FELDSPAR PORPHYRY (monzonite): buff, gravel to fine, low FeOx		0.61	7.58	0.72	
245.00	74.24	250.00	75.76	FELDSPAR PORPHYRY (monzonite): buff to brown, gravel to fine, some pink Kspar, med. FeOx		0.99			
250.00	75.76	255.00	77.27	FELDSPAR PORPHYRY (monzonite): buff to brown, gravel to fine, some pink Kspar, med. FeOx		1.04			
255.00	77.27	260.00	78.79	FELDSPAR PORPHYRY (monzonite): buff to brown, gravel to fine, some pink Kspar, med. FeOx		0.97			
260.00	78.79	265.00	80.30	FELDSPAR PORPHYRY (monzonite): buff to brown, gravel to fine, some pink Kspar, med. FeOx		1.14			
265.00	80.30	270.00	81.82	FELDSPAR PORPHYRY (monzonite): buff to brown, gravel to fine, some pink Kspar, med. FeOx		1.21			
270.00	81.82	275.00	83.33	FELDSPAR PORPHYRY (monzonite): buff to brown, gravel to fine, some pink Kspar, med. FeOx		1.15	9.09	0.72	
275.00	83.33	280.00	84.85	FELDSPAR PORPHYRY (monzonite): grey, gravel to fine, low FeOx		1.37			
280.00	84.85	285.00	86.36	FELDSPAR PORPHYRY (monzonite): grey, gravel to fine, low FeOx		1.40	3.03	0.91	
285.00	86.36	290.00	87.88	FELDSPAR PORPHYRY (monzonite): buff to brown, gravel to fine, some pink Kspar, med. FeOx		1.14			
290.00	87.88	295.00	89.39	FELDSPAR PORPHYRY (monzonite): buff to brown, gravel to fine, some pink Kspar, med. FeOx		1.36			
295.00	89.39	300.00	90.91	FELDSPAR PORPHYRY (monzonite): buff to brown, gravel to fine, some pink Kspar, med. FeOx		1.34	4.55	0.84	
300.00	90.91	390.00	118.18	FELDSPAR PORPHYRY (monzonite): buff to brown, gravel to fine, some pink Kspar, med. FeOx		No sample			
390.00	118.18	510.00	154.55	FELDSPAR PORPHYRY (monzonite): grey, gravel to fine, less coarse at bottom of hole, low FeOx		No sample			
				END OF HOLE					

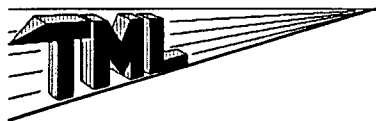


TERRAMIN RESEARCH LABS Ltd.

Job No: 96-224

Client: Bul River Mineral Corp.
Project:

Sample Number	from ft	to ft	Total Fe %
F 1-96	280	285	3.60
F 1-96	315	320	2.30
F 2-96	0	5	1.27
F 2-96	5	10	0.72
F 2-96	10	15	0.92
F 2-96	15	20	0.83
F 2-96	20	25	0.60
F 2-96	20	25	0.76
F 2-96	25	30	0.77
F 2-96	30	35	0.85
F 2-96	35	40	0.94
F 2-96	40	45	0.73
F 2-96	45	50	0.85
F 2-96	50	55	0.75
F 2-96	55	60	0.81
F 2-96	60	65	0.63
F 2-96	65	70	0.88
F 2-96	70	75	0.90
F 2-96	75	80	0.71
F 2-96	80	85	0.36
F 2-96	85	90	1.15
F 2-96	90	95	0.97
F 2-96	95	100	0.83
F 2-96	100	105	1.05
F 2-96	105	110	0.94
F 2-96	110	115	0.82
F 2-96	115	120	0.93
F 2-96	120	125	0.69
F 2-96	125	130	0.86
F 2-96	130	135	0.87
F 2-96	135	140	0.43
F 2-96	140	145	0.45
F 2-96	145	150	0.58
F 2-96	150	155	0.47
F 2-96	155	160	0.39
F 2-96	160	165	0.35
F 2-96	165	170	0.45
F 2-96	170	175	0.34
F 2-96	175	180	0.44
F 2-96	180	185	0.33



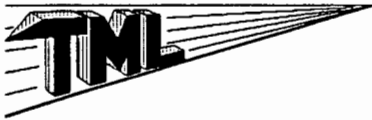
TERRAMIN RESEARCH LABS Ltd.

Job No: 96-224

Client: Bul River Mineral Corp.

Project:

Sample Number	from ft	to ft	Total Fe %
F 2-96	185	190	0.38
F 2-96	190	195	0.37
F 2-96	195	200	0.38
F 2-96	200	205	0.42
F 2-96	205	210	0.43
F 2-96	210	215	0.50
F 2-96	215	220	0.49
F 2-96	220	225	0.38
F 2-96	225	230	0.51
F 2-96	230	235	0.55
F 2-96	235	240	0.63
F 2-96	240	245	0.75
F 2-96	245	250	0.64
F 2-96	250	255	0.35
F 2-96	255	260	0.80
F 2-96	260	265	0.42
F 2-96	265	270	1.08
F 2-96	270	275	0.35
F 2-96	275	280	0.65
F 2-96	280	285	1.43
F 2-96	285	290	0.46
F 2-96	290	295	0.81
F 2-96	295	300	0.84
F 3-96	65	70	0.74
F 3-96	70	75	0.69
F 3-96	75	80	0.45
F 3-96	80	85	0.47
F 3-96	85	90	1.21
F 3-96	90	95	1.08
F 3-96	95	100	1.30
F 3-96	100	105	1.35
F 3-96	105	110	1.52
F 3-96	110	115	1.26
F 3-96	115	120	1.08
F 3-96	120	125	1.38
F 3-96	125	130	1.12
F 3-96	130	135	1.02
F 3-96	135	140	1.26
F 3-96	140	145	1.07
F 3-96	145	150	1.24

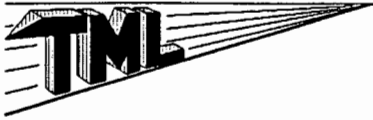


TERRAMIN RESEARCH LABS Ltd.

Job No: 96-224

Client: Bul River Mineral Corp.
Project:

Sample Number	from ft	to ft	Total Fe %
F 3-96	150	155	1.29
F 3-96	155	160	1.48
F 3-96	160	165	1.24
F 3-96	165	170	1.32
F 3-96	170	175	0.86
F 3-96	175	180	1.04
F 3-96	180	185	0.68
F 3-96	185	190	1.48
F 3-96	190	195	1.25
F 3-96	195	200	1.33
F 3-96	200	205	1.11
F 3-96	205	210	1.06
F 3-96	210	215	0.79
F 3-96	215	220	0.72
F 3-96	220	225	0.99
F 3-96	225	230	1.30
F 3-96	230	235	1.54
F 3-96	235	240	1.60
F 3-96	240	245	1.56
F 3-96	245	250	1.32
F 3-96	250	255	1.42
F 3-96	255	260	1.50
F 3-96	260	265	1.75
F 3-96	265	270	1.73
F 3-96	270	275	1.62
F 3-96	275	280	1.50
F 3-96	280	285	1.33
F 3-96	285	290	1.49
F 3-96	290	295	1.57
F 3-96	295	300	1.66
F 4-96	220	225	1.42
F 4-96	225	230	1.19
F 4-96	230	235	1.44
F 4-96	235	240	0.81
F 4-96	240	245	0.61
F 4-96	245	250	0.99
F 4-96	250	255	1.04
F 4-96	255	260	0.97
F 4-96	260	265	1.14
F 4-96	265	270	1.21



TERRAMIN RESEARCH LABS Ltd.

Job No: 96-224

Client: Bul River Mineral Corp.
Project:

Sample Number	from ft	to ft	Total Fe %
F 4-96	270	275	1.15
F 4-96	275	280	1.37
F 4-96	280	285	1.40
F 4-96	285	290	1.14
F 4-96	290	295	1.36
F 4-96	295	300	1.34

