

**DRILLING REPORT
ON
DOGWOOD GROUP #1A**

**FORT STEELE MINING DIVISION
BRITISH COLUMBIA**

**631500E, 5472600N UTM ZONE 11U
NTS 82G/6**

MINERAL TITLES BRANCH
Rec'd.
SEP 12 1997
L.I.# _____
File _____
VANCOUVER, B.C.

**For
R. H. STANFIELD
380 - 4723 1st Street S.W.**

**By
MASTER MINERAL RESOURCE SERVICES LTD.
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September 1997

**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

25,130

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INTRODUCTION:

A drilling program of three drill holes was completed between March 1996 and May 1997 on the Dogwood Group #1A. The Group comprises of five claims of 20 units each as shown in Table 1.

Three collar sites designated BURT 1-96A, BURT 1-96/97 and BURT 2-96 are within a few meters of one another. All three 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 two of the drill holes steel casing was used and subsequently the holes were extended by diamond drilling. Core from the diamond drilling was examined and logged. In the third drill hole (BURT 1-96A) steel casing was also used, and the hole was subsequently used to supply water for the remainder of the drilling program.

Table 1: Dogwood Group #1A:

Claim Name	Tenure No.	No Of Units	Current Expiry Date	\$ value to be applied	Years applied	New Expiry Date
Dogwood #9	209704	20	99/06/17	12,000	3	02/06/17
Dogwood #10	209705	20	00/06/17	12,000	3	03/06/17
Dogwood #11	209706	20	00/06/17	12,000	3	03/06/17
Dogwood #12	209707	20	99/06/17	12,000	3	02/06/17
Dogwood #14	209708	20	99/06/17	12,000	3	02/06/17

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 3 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 crosses Dogwood #9 claim. A four-wheel drive road from the valley bottom near the town of Galloway provides access to the top of the ridge on Dogwood #10 claim. Access to the showings is usually possible by a short walk from several points along this road. **Figure 2** is a satellite image showing the regional setting of the claim group with respect to prominent cultural features, topography, UTM grid and mineral deposits on and adjacent to the claims.

The claim group is centred approximately 49°25'N, 115°12'W, UTM Zone 11U coordinates 5476000N, 630000E, 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 two thirds of the claim group.



SITE LOCATION

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 Dogwood Group #1A 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 STRATIGRAPHY

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 Gypsum; 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 coarse-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

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 silicified 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 (on the Dogwood Group #1A, see Figure 2), the Rex-Zone, the Dean Zone, the Treasure Zone, the Don and Rimrock Zones.

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 on the property are the Burt, OK Zones (see Figure 2), and possibly the Great Western Zone 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.

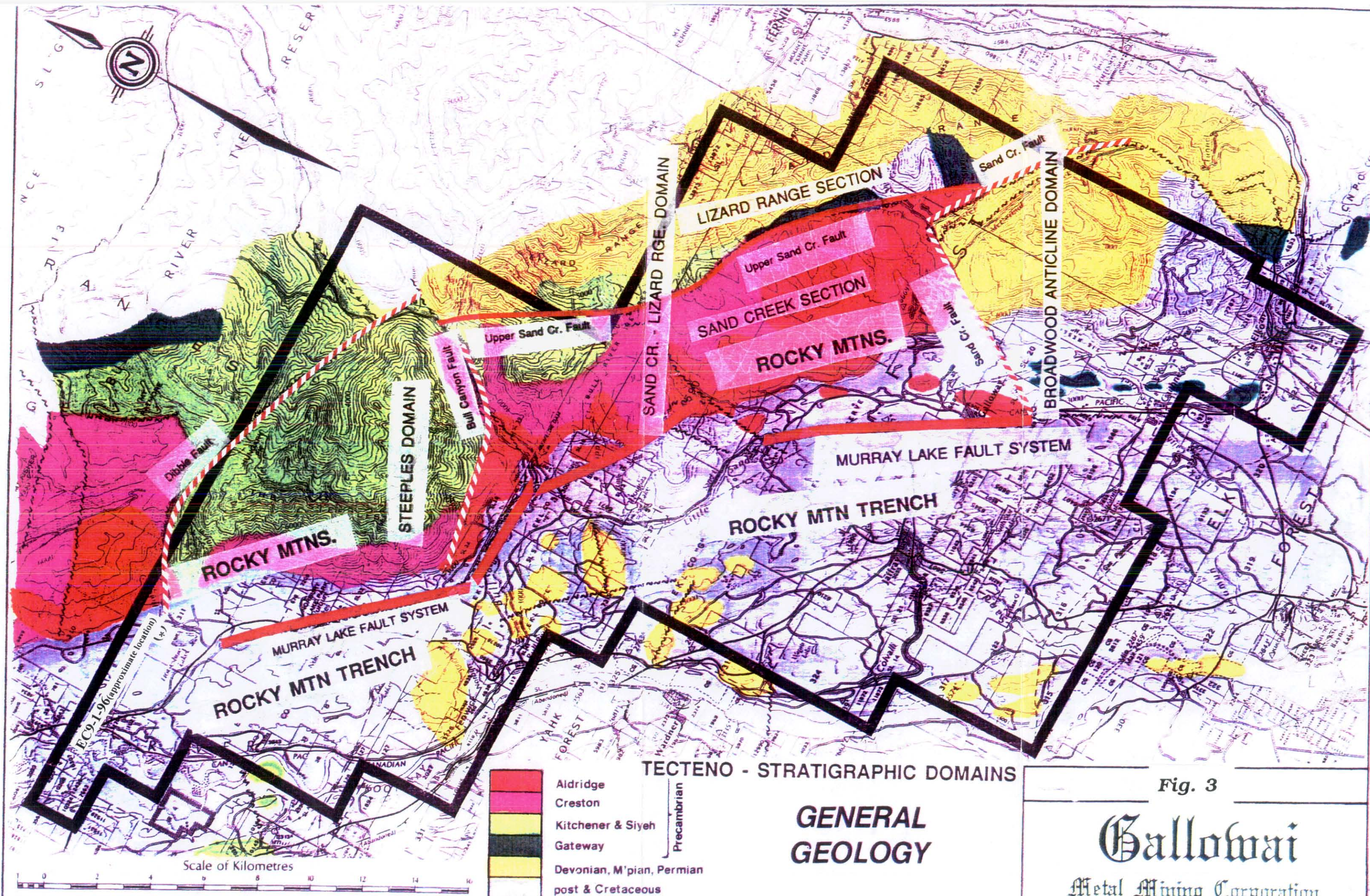
STRUCTURE AND STRUCTURAL EVOLUTION

The property and the immediate area is divided into a number of tectono-stratigraphic 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 tectono-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



TECTENO - STRATIGRAPHIC DOMAINS

- | | |
|--|--|
| | Aldridge |
| | Creston |
| | Kitchener & Siyeh |
| | Gateway |
| | Devonian, M'pian, Permian
post & Cretaceous |

**GENERAL
GEOLOGY**

Fig. 3

Gallowai
Metal Mining Corporation

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 Mississippian 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 (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 Mississippian 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.

DRILLING PROGRAM:

The drilling program consists of three drill holes located within a few meters of each other. There were three drill hole collar sites. In two of the drill holes (BURT 1-96/97 and BURT 2-96), steel casing was used and subsequently the holes were extended by diamond drilling. Core from the diamond drilling was examined and logged. In the third drill hole (BURT 1-96A) steel casing was also used, and the hole was subsequently used to supply water for the remainder of the drilling program. All three holes were vertical at the collar.

Figure 4 shows the location of the drill program area with respect to the claim boundaries taken from the most recent claim map of the area.

Objectives and Summary Results

The Dogwood claim group includes several mineral deposits, including the BURT ZONE, the EMPIRE-STRATHCONA MINE, and the OK ZONE. It straddles the Sand Creek Section of the Sand Creek- Lizard Range Domain of the Rocky Mountain tectono-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.

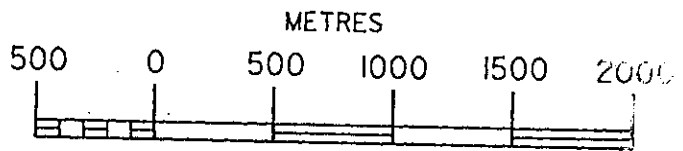
MINERAL TITLES REFERENCE

MAP 082G06E

U.T.M. ZONE II

LAST MAP UPDATE: 1996 SEP 24

ORIGINAL PRODUCED AT 1:31680



ADMINISTRATIVE AREAS

MINING DIVISIONS: FORT STEELE

DOGWOOD * 16

209714

239
1NX5W

DOGWOOD * 14

209708

230
1NX5W

DOGWOOD * 12

209707

229
1NX5W

DOGWOOD * 11

209706

228
1NX5W

DOGWOOD * 10

209705

227
1NX5W

DOGWOOD * 9

209704

226
1NX5E

DRILL SITES
BURT 1-96/97
BURT 1A-97
BURT 2-97

Fig. 4

DOGWOOD GROUP #1A

CLAIM MAP & LOCATION OF DRILL HOLES

DOGWOOD * 8

209703

225
1NX5W

Galloway

5897

211338

L 455

337576

- 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.

The closest mineral deposit to the drill sites is the Burt Zone. Strike length of the mineralised shear zone is reported to extend for 1.6 kilometres. Mineralisation is lead-zinc-silver associated with quartz-carbonate gangue. The drill sites were located in the closest flat area downdip from the surface showings. The presence of massive medium to coarse -grained carbonate with evidence of "contact metamorphism" was the main reason to complete a second drill hole along the estimated strike offset.

Of particular interest was a strong sulphurous smell in the core from both holes, but no significant quantities of sulphide minerals were located.

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 (Figure 2).

RECOMMENDATIONS:

The results of the drilling program were inconclusive and did not provide direct evidence of the downdip extensions of the adjacent mineral deposits. The drilling does indicate the presence of carbonate rocks of sufficient width and texture to indicate proximity to a heat source – contact metamorphism (?). A follow up program of ground based geophysics, including magnetic surveys is recommended to locate potential intrusives that may be the source of mineralisation fluids for the mineral deposits on the property. Combination with ground based EM or IP surveys may also provide better targets for drilling and locating strike extensions, or strike offsets, and downdip extensions of the mineralised shear zones on the property.

GENERAL INFORMATION^(*) ON BURT 1-96/97, BURT 1A-97, BURT 2-97:**A.) Rotary Percussion Drill**

Dates Drilled:	Burt 1-96/97	August 11-August 30/96
	Burt 1a/97	March 11-March 19
	Burt 2/97	April 12,13,23,24,25
Contractor	Schmidt Drilling Ltd. PO Box 98 Tees, Alberta T0C 2N0	
Crew	Driller-Darcy Schmidt, Driller-Kevin Schmidt Helpers- , 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:	Burt 1-96/97	March 20/97-April 11/97	
	Burt 2-97	April 14/97-May 20/97	
Contractor	Schmidt Drilling Ltd. PO Box 98 Tees, Alberta T0C 2N0		
Crew	Driller-Darcy Schmidt, Driller-Kevin Schmidt Helpers- , Tom Morris, Bob Bell, Dan Sim		
Site Crew	Manager- Mr. R. Stanfield Jr.	Box 94, Galloway BC	
	Co-ordinator- Mr. T. Hewison	Box 94, Galloway BC	
	Drilling Consultant- Mr. G. Peterson	Box 94, Galloway BC	
Equipment	Ingersol Rand TH-60 Truck Mounted Rotary Percussion Drill Rig, 600 CFM Air Compressor, Western Star Flatbed, 1000 Ga. Tanker and Pipe Truck, Tool Shed Trailer (8 x 15) and ¾ ton 4x4 Diesel Crew Cab and Slip Tank. Schramm Coring head with side inlet swivel Model T660, Model 2500 Foot Clamp to hold drill rods, Wheatley Tri-plex Hi-Pressure pump, 16' Gooseneck Stock Trailer		

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

STATEMENT OF COSTS^(*):

Diamond Drill Holes

	BURT 1-96/97	BURT 2-97
Background		
Drilling days	23	29
Period days	23	34
Driller r&b days	23	29
Total depth	2040'	1890'
D/D depth	940'	1780'
Direct Costs		
Drilling Costs (hrs x \$185)	46805.00	58645.00
Boart Longyear NQ Series 6 Bits @ \$565.00/per	1130.00	2825.00
NQ Drill Rod String @ \$2.56/ft	5222.40	4838.40
NQ Premium Reaming Shell @ \$540.00/per	540.00	1080.00
20L Drill Rod Grease @ \$110.00/per	440.00	990.00
20L Pail Linseed Oil @ \$89.00/per		89.00
20L Pail EZ Mud Polymer @ \$120.00/per	120.00	240.00
Other Supplies (lubricants, cleaners)	50.00	50.00
Goulds 7G 1 ½ Submersible Pump @ 934.20		934.20
Direct Cost Totals \$	54307.40	69691.60
Indirect Costs		
Drilling Consultant (on Site) 9 Days @ 252.95/day	2276.55 3965.00	4030.00
R&B @\$65.00/day/man	4600.00	5800.00
Foreman's Wage @ \$200.00/day	1495.00	1885.00
Foreman's R&B @ \$65.00/day	1150.00	1450.00
Foreman's 4x4 @\$50.00/day		
Ancillaries		
Caterpillar D7F Tractor @\$110.00/hr	1760.00	1760.00
Honda EB5000X Generator @ \$30.00/day	690.00	870.00
Case 580D Backhoe @ \$42.00/hr		
Indirect Total Costs	15936.55	15795.00
Total Costs	70243.95	85486.60

^(*) Supplied by the R. H. Stanfield group of companies.

Rotary Percussion Holes

DRILL HOLE	BURT 1-96/97	BURT 1A-97	BURT 2/97
Background			
Drilling days	16	5	5
Period days	20	9	14
Driller r&b days	16	5	5
Total depth	1100'	280'	370'
Direct Costs			
Mobilization and Demobilization	1000.00		
Drilling Costs (#of Hrs. x \$185.00)	28212.50	8325.00	10175.00
6 5/8 Drive Shoe @ \$98.50	58.00*	98.50	98.50
8" Ring Bit @ \$401.50		401.50	401.50
6 5/8" Casing @ \$8.75/ft	187.50	568.75	568.75
20L Pail Foam @ \$120.00/per	900.00		
Hammer Oil @ \$48.00/per	144.00	48.00	96.00
5" TriCone Button Bit @ \$1300.00	1300.00		
Seis-Gel Mud @ \$24.00/bag	240.00		
Liquid Gel @ \$31.00/per	93.00		
6 1/4 TriCone Button Bit	600.00		
5 9/16 Steel Casing @ \$6.95/ft	3753.00		
4 3/4 Button Bits @ \$600.00/per	1200.00		
6 1/4 Hammer Bit @ \$690.00/per	690.00		
4 1/2" Steel Casing @ \$4.70/ft		1320.70	1645.00
Total Direct Costs	38378.00	10762.45	12984.75
Indirect Costs			
R&B @\$65.00/day/man	3120.00	650.00	650.00
Foreman's Wage @ \$200.00/day	3200.00	1000.00	1000.00
Foreman's R&B @ \$65.00/day	1040.00	325.00	325.00
Foreman's 4x4 @\$50.00/day	800.00	250.00	250.00
Consultant's R&B @ \$65.00/day			
Consultant Fees @ \$350.00/day			
Consultant 4x4 @\$50.00/day			
Total Indirect Costs	8160.00	2225.00	2225.00
Total Costs	46538.00	12987.45	15209.75

ADDITIONAL COSTS:

Geology Consultant fees: 10 days @ \$350/day	\$ 3,500.00
Geology Consultant room and board: 5 days @ \$65/day	\$ 325.00
Geology Consultant 4x4 truck: 5 days @ \$50/day	\$ 250.00
Chemical analysis	\$ 1,400.00
 Sub-Total	 \$ 5,475.00

SUMMARY OF TOTAL COST:

Rotary Percussion	\$ 74,735.20
Diamond Drilling	\$ 155,730.55
Geologic and Analysis	<u>\$ 5,475.00</u>

Grand Total	\$235,940.75
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REFERENCES

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

Hoy, T.;1993; Geology of the Purcell Supergroup in the Fernie West-Half Map Area, Southeastern British Columbia; Bulletin 84, Mineral Resource Division, Ministry of Energy, Mines and Petroleum Resources, British Columbia

Hoy, T. and Carter, G.; 1993; Geology of the Fernie W1/2 Map Sheet (and part of Nelson E1/2), Map to accompany Bulletin 84.

Lamb, A. T., Smith, D. W.; 1962; Refraction Profiles Over the Southern Rocky Mountain Trench Area of BC; Journal of Alberta Society of Petroleum Geologists, vol. 10, no 7, pp. 428-437

Leech, G. B.; 1962; Structure of the Bull River Valley near Latitude 49° 35'; Journal of the Alberta Society of Petroleum Geologists; vol. 10, no. 7, pp. 396-407

Leech, G. B.; 1960; Map 11 – 1960; Geology, Fernie (West Half), British Columbia; Geological Survey of Canada

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

Master, P.; 1990; General Geology of the Gallowai Property, A Tecteno-Stratigraphic Classification; Report in company files.

McMechan, M. E.; 1981; The Middle Proterozoic Purcell Supergroup in the Southwestern Rocky and Southeastern Purcell Mountains, BC, and the Initiation of the Cordilleran Miogeocline, Southern Canada and adjacent United States; Bulletin of Canadian Petroleum Geology, vol. 29, no. 4, pp. 583-621.

McMechan, M. E.; 1978; Geology of the Mount Fisher-Sand Creek Area, Southeastern BC; Notes and Preliminary Map 34; Ministry of Energy, Mines and Petroleum Resources, BC.

McMechan, M. E., Price, R. A.;1982; Transverse Folding and Superimposed Deformation, Mount Fisher Area, Southern Canadian Rocky Mountain Thrust and Fold Belt; Canadian Journal of Earth Sciences; vol. 19, no. 5; pp. 1011-1024

Thompson, T. L.; 1962; Origin of the Rocky Mountain Trench in Southeastern British Columbia by Cenozoic Block Faulting; Journal of the Alberta Society of Petroleum Geologists; vol. 10, no. 7, pp. 408-427

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 Dogwood Group #1A 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	<i>Pilsum Master</i>
Date	<i>Sept 6, 97</i>
PERMIT NUMBER: P 5336	
The Association of Professional Engineers, Geologists and Geophysicists of Alberta	

CERTIFICATE

September 4, 1997

I, Phil D. de Souza, certify that:

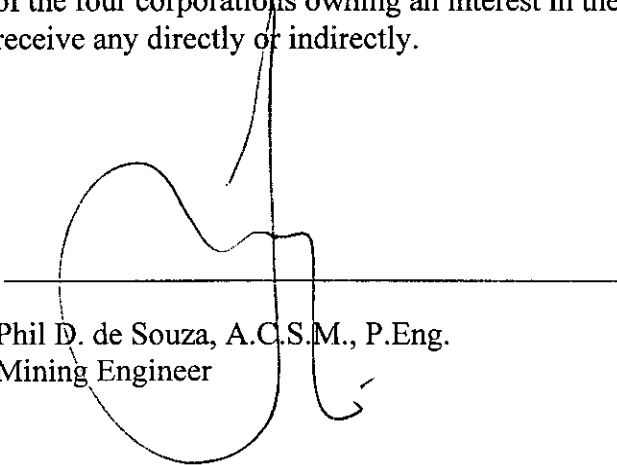
I am a graduate of the Camborne School of Mines, Cornwall, England and that I hold the degree of ACSM First Class in Mining Engineering therefrom.

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 Dogwood Group #1A", 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.



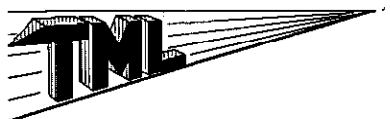
Phil D. de Souza, A.C.S.M., P.Eng.
Mining Engineer



APPENDIX 1
DRILL LOGS & CHEMICAL ANALYSIS REPORTS

BUL RIVER MINERAL CORPORATION LTD.										R. H. STANFIELD																					
PROJECT: BURT					LOCATIO: 631500E, 5472600N, UTM Zone 11U																										
CLAIMS: Dogwood 10 of Dogwood Group #1A					DIP: -90					AT: collar																					
DRILL HOLE NO: Burt 1A-97					DRILLED BY: Schmidt Drilling Ltd., P.O.Box 98, Tees, Alberta																										
					DATES DRILLED: March 11-19, 1997																										
					LOGGED BY: Pilsum Master, P.Geol.																										
					DATES LOGGED: April 17, 1997																										
					TOTAL LENGTH: 84.8m																										
FROM (Ft)	FROM (Metres)	TO (Ft)	TO (Metres)	DESCRIPTION	SAMPLE NUMBER	SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	Fe ₂ O ₃	MnO	TiO ₂	LOI	Total	Ba	Be	Cr	Li	Rb	Sr	V	Ag	Cd	Co	Cu	Mo	Ni	Pb	Zn
						%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.00	0.00	65.00	19.70	Cuttings mixed with boulders, sand	No sample																										
65.00	19.70	100.00	30.30	Argillaceous Quartzite (Arg-Qtzite): yellow gray banded with hematite-carbonate bands (FeOx after sulphides(?)), lots of carbonate	Burt 1-97 65 70	66.1	13.3	2.350	2.703	1.591	3.482	5.26	0.143	0.38	3.8	99.13	520	2.4	56	31	186	55	120	0.1	0.2	8	19	3	15	19	86
					Burt 1-97 70 75	68.0	13.5	1.343	2.470	1.739	3.507	5.25	0.105	0.35	2.8	99.08	510	2.4	46	30	187	39	130	0.1	0.3	8	20	5	15	16	86
					Burt 1-97 75 80	66.7	13.5	2.644	2.736	1.618	3.687	4.23	0.119	0.37	3.8	99.44	530	2.5	42	35	197	63	110	0.1	0.3	5	11	4	10	24	75
					Burt 1-97 80 85	65.7	13.3	3.246	2.520	1.672	3.711	4.30	0.124	0.35	4.6	99.51	530	2.5	41	32	194	79	110	0.1	0.1	5	13	5	10	20	47
					Burt 1-97 85 90	66.3	13.3	3.134	2.421	1.550	3.796	4.72	0.121	0.33	4.0	99.70	530	2.4	44	29	197	62	110	0.1	0.1	6	15	7	11	18	56
					Burt 1-97 90 95	65.7	13.7	3.120	2.504	1.564	3.748	4.80	0.125	0.35	4.2	99.75	560	2.3	38	29	195	65	110	0.1	0.1	6	15	7	11	20	53
					Burt 1-97 95 100	65.0	13.9	2.504	2.553	1.361	3.796	5.59	0.089	0.35	4.6	99.72	560	2.5	96	34	200	65	110	0.1	0.2	9	21	10	15	21	74
100.00	30.30	140.00	42.42	Argillaceous Quartzite (Arg-Qtzite): gray, banded, some carbonate, 5% disseminated pyrite-pyrrhotite. Some sections mixed with gravel, other sections darker coloured, less banded, or more silicic	Burt 1-97 100 105	65.2	14.2	2.546	2.802	1.537	3.723	4.50	0.086	0.37	4.4	99.41	550	2.5	40	36	204	61	110	0.1	0.1	6	15	5	10	17	52
					Burt 1-97 105 110	66.5	13.1	2.644	2.868	1.645	3.157	4.29	0.093	0.35	4.8	99.51	510	2.3	65	30	168	68	110	0.1	0.1	5	12	5	9	19	43
					Burt 1-97 110 115	65.2	13.7	2.616	2.968	1.752	3.205	4.70	0.094	0.37	4.6	99.22	540	2.3	55	33	171	71	120	0.1	0.4	6	14	5	9	21	100
					Burt 1-97 115 120	64.8	14.0	2.280	3.018	1.739	3.482	5.12	0.085	0.38	4.8	99.75	550	2.5	59	34	190	63	120	0.1	0.4	6	18	6	11	19	113
					Burt 1-97 120 125	66.7	10.5	3.400	3.217	1.604	3.169	4.62	0.098	0.37	6.0	99.69	530	2.0	64	29	172	97	120	0.1	0.2	6	15	5	17	20	68
					Burt 1-97 125 130	65.5	11.7	3.749	3.167	1.564	3.302	4.06	0.103	0.35	6.0	99.47	540	2.0	71	32	177	85	110	0.1	0.2	5	14	5	11	18	59
					Burt 1-97 130 135	65.2	13.0	3.456	3.001	1.415	3.254	3.89	0.092	0.33	5.4	99.04	530	2.0	57	33	182	73	110	0.1	0.2	5	14	5	11	20	68
					Burt 1-97 135 140	65.2	13.1	3.246	2.984	1.429	3.374	4.10	0.085	0.33	5.2	99.14	540	2.1	62	34	188	65	110	0.1	0.2	6	13	5	11	18	63
140.00	42.42	280.00	84.85	Arg-Qtzite: gray, variability in percentage of fines and carbonate proportion. Pyrite-pyrrhotite 5-10% as disseminated.	Burt 1-97 140 145	65.0	13.5	3.148	3.167	1.429	3.495	4.10	0.084	0.32	5.6	99.86	540	2.2	56	32	193	66	100	0.1	0.2	5	13	4	11	16	58
					Burt 1-97 145 150	64.8	13.1	3.148	3.465	1.375	3.338	4.22	0.084	0.32	5.8	99.70	540	2.2	51	32	187	61	100	0.1	0.3	5	12	4	11	16	82
					Burt 1-97 150 155	63.7	13.1	3.344	3.382	1.375	3.374	4.25	0.089	0.32	6.8	99.81	530	2.2	53	34	182	64	100	0.1	0.2	5	12	5	10	18	82
					Burt 1-97 155 160	64.4	13.1	3.805	3.200	1.294	3.519	4.28	0.092	0.33	5.6	99.64	550	2.2	58	30	187	80	100	0.1	0.2	5	13	5	10	18	72
					Burt 1-97 160 165	65.2	13.0	3.288	3.117	1.182	3.531	3.88	0.083	0.33	5.4	99.01	550	2.4	49	32	194	71	90	0.1	0.2	5	10	4	9	16	60
					Burt 1-97 165 170	65.9	13.1	2.756	3.299	1.143	3.796	4.12	0.077	0.33	5.0	99.54	560	2.3	48	33	206	63	90	0.1	0.1	5	11	4	10	17	56
					Burt 1-97 170 175	66.3	13.0	2.868	3.316	1.122	3.639	3.99	0.080	0.33	4.8	99.42	550	2.5	55	39	200	61	100	0.1	0.1	4	11	5	9	17	53
					Burt 1-97 175 180	64.6	13.1	3.386	3.482	1.361	3.495	3.96	0.089	0.33	5.6	99.44	540	2.0	39	34	194	69	90	0.1	0.1	4	10	4	9	16	57
					Burt 1-97 180 185	64.6	12.6	3.470	3.283	1.375	3.193	3.88	0.085	0.35	6.0	98.84	510	2.3	50	31	178	73	100	0.1	0.1	5	10	4	10	18	64
					Burt 1-97 185 190	64.2	13.0	3.400	3.498	1.483	3.314	4.16	0.086	0.37	5.8	99.24	540	2.3	53	28	180	69	100	0.1	0.2	6	14	4	13	18	75
					Burt 1-97 190 195	62.9	13.3	4.029	3.648	1.510	3.362	4.53	0.099	0.37	6.0	99.75	540	2.3	55	29	176	74	100	0.1	0.2	6	13	5	14	17	72
					Burt 1-97 195 200	62.0	13.3	4.547	3.515	1.402	3.157	4.33	0.102	0.37	6.8	99.57	530	2.2	52	28	178	86	100	0.1	0.1	5	14	5	12	16	62
					Burt 1-97 200 205	61.6	13.3	4.631	3.515	1.415	3.278	4.62	0.101	0.35	7.0	99.83	500	2.3	56	31	176	91	100	0.1	0.1	7	15	5	12	16	69
					Burt 1-97 205 210	63.1	13.9	3.092	3.316	1.442	3.784	4.59	0.077	0.37	5.6	99.22	530	2.3	51	30	198	66	110	0.1	0.1	5	14	5	12	16	48
					Burt 1-97 210 215	65.2	13.7	2.728	3.150	1.442	3.543	4.33	0.072	0.37	5.0	99.55	510	2.5	51	33	200	62	110	0.1	0.1	6	15	5	12	17	41
					Burt 1-97 215 220	65.2	13.9	2.546	3.051	1.375	3.687	4.43	0.065	0.37	4.6	99.21	520	2.4	46	36	193	63	110	0.1	0.1	5	15	4	12	17	39
					Burt 1-97 220 225	64.4	13.7	2.980	3.266	1.469	3.567	4.19	0.075	0.37	5.6	99.57	530	2.3	51	35	188	61	110	0.1	0.1	6	14	5	12	16	49
					Burt 1-97 225 230	62.5	13.9	3.400	3.349	1.483	3.555	4.69	0.081	0.33	6.0	99.20	560	2.0	46	27	188	66	110	0.1	0.1	7	17	4	15	18	55
					Burt 1-97 230 235	62.0	14.6	3.134	3.134	1.604	3.928	4.88	0.071	0.38	5.4	99.12	640	2.0	45	31	206	68	110	0.1	0.1	7	16	5	15	17	52
					Burt 1-97 235 240	63.7	14.2	2.700	2.968	1.294	3.844	4.53	0.065	0.38	5.4	99.13	580	1.9	48	32	203	53	110	0.1	0.1	6	16	4	14	16	50
					Burt 1-97 240 245	64.2	13.0	3.442	3.432	1.348	3.434	4.38	0.081	0.37	6.0	99.61	540	2.0	48	32	184	62	110	0.1	0.1	5	11	4	9	16	57
					Burt 1-97 245 250	64.0	13.3	3.218	3.283	1.672	3.410	4.40	0.085	0.33	6.2	99.88	520	2.2	71	30	176	57	100	0.1	0.1	6	14	5	11	14	43
					Burt 1-97 250 255	62.9	13.5	3.162	3.449	1.698	3.205	4.98	0.085	0.35	6.4	99.71	520	2.3	70	31	168	60	90								

BUL RIVER MINERAL CORPORATION LTD.										R. H. STANFIELD																								
PROJECT	BURT			LOCATIO	631500E, 5472600N, UTM Zone 11U																													
CLAIMS:	Dogwood 10 of Dogwood Group #1A			DIP: -90	AT:	collar																												
DRILL HOLE NO:	Burt 1-96/97			DRILLED BY: Schmidt Drilling Ltd., P.O.Box 98, Tees, Alberta																														
				DATES DRILLED: August 11- 30, 1997																														
				LOGGED BY: Pilsun Master, P.Geol.																														
				DATES LOGGED: August 22, 30, 1997																														
				TOTAL	333.33m																													
				LENGTH:																														
FROM (Ft)	FROM	TO (Ft)	TO	DESCRIPTION	Sample	SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	Fe ₂ O 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	50.00	15.15	Mixed boulders, cobbles, pebbles, Argillite	Nothing significant for cuttings to be analysed																													
50.00	15.15	285.00	86.36	Quartzite: gray, very little carbonate no reaction with HCl																														
285.00	86.36	320.00	96.97	Quartzite, gray with significant quartz-carbonate																														
320.00	96.97	360.00	109.09	Quartzite, gray, some quartz-carbonate																														
360.00	109.09	395.00	119.70	Quartzite, gray with negligible quartz-carbonate																														
395.00	119.70	425.00	128.79	Quartzite, gray with no quartz-carbonate																														
425.00	128.79	455.00	137.88	Argillaceous-Quartzite, cuttings predominantly finer grained																														
455.00	137.88	480.00	145.45	Argillaceous-Quartzite, with quartz-carbonate																														
480.00	145.45	535.00	162.12	Argillaceous-Quartzite, significant quartz-carbonate																														
535.00	162.12	590.00	178.79	Argillaceous-Quartzite, some quartz-carbonate																														
590.00	178.79	1100.00	333.33	Mixed cuttings, Argillaceous-quartzite, quartzite argillite(?), with variable proportion of quartz- carbonate.																														
		1100.00	333.33	Began core drilling (see diamond drill log Burt 1-97)																														



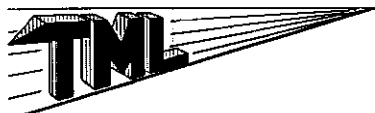
TERRAMIN RESEARCH LABS Ltd.

Job No: 97-120

Client: Bul River Mineral Corp.

Project: Burt

Sample Number	from	to	Ag ppm	Cd ppm	Co ppm	Cu ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
Burt 1-97	65	70	0.1	0.2	8	19	3	15	19	86
Burt 1-97	70	75	0.1	0.3	8	20	5	15	16	86
Burt 1-97	75	80	0.1	0.3	5	11	4	10	24	75
Burt 1-97	80	85	0.1	0.1	5	13	5	10	20	47
Burt 1-97	85	90	0.1	0.1	6	15	7	11	18	56
Burt 1-97	90	95	0.1	0.1	6	15	7	11	20	53
Burt 1-97	95	100	0.1	0.2	9	21	10	15	21	74
Burt 1-97	100	105	0.1	0.1	6	15	5	10	17	52
Burt 1-97	105	110	0.1	0.1	5	12	5	9	19	43
Burt 1-97	110	115	0.1	0.4	6	14	5	9	21	100
Burt 1-97	115	120	0.1	0.4	6	18	6	11	19	113
Burt 1-97	120	125	0.1	0.2	6	15	5	17	20	68
Burt 1-97	125	130	0.1	0.2	5	14	5	11	18	59
Burt 1-97	130	135	0.1	0.2	5	14	5	11	20	68
Burt 1-97	135	140	0.1	0.2	6	13	5	11	18	63
Burt 1-97	140	145	0.1	0.2	5	13	4	11	16	58
Burt 1-97	145	150	0.1	0.3	5	12	4	11	16	82
Burt 1-97	150	155	0.1	0.2	5	12	5	10	18	82
Burt 1-97	155	160	0.1	0.2	5	13	5	10	18	72
Burt 1-97	160	165	0.1	0.2	5	10	4	9	16	60
Burt 1-97	165	170	0.1	0.1	5	11	4	10	17	56
Burt 1-97	170	175	0.1	0.1	4	11	5	9	17	53
Burt 1-97	175	180	0.1	0.1	4	10	4	9	16	57
Burt 1-97	180	185	0.1	0.1	5	10	4	10	18	64
Burt 1-97	185	190	0.1	0.2	6	14	4	13	18	75
Burt 1-97	190	195	0.1	0.2	6	13	5	14	17	72
Burt 1-97	195	200	0.1	0.1	5	14	5	12	16	62
Burt 1-97	200	205	0.1	0.1	7	15	5	12	16	69
Burt 1-97	205	210	0.1	0.1	5	14	5	12	16	48
Burt 1-97	210	215	0.1	0.1	6	15	5	12	17	41
Burt 1-97	215	220	0.1	0.1	5	15	4	12	17	39
Burt 1-97	220	225	0.1	0.1	6	14	5	12	16	49
Burt 1-97	225	230	0.1	0.1	7	17	4	15	18	55
Burt 1-97	230	235	0.1	0.1	7	16	5	15	17	52
Burt 1-97	235	240	0.1	0.1	6	16	4	14	16	50
Burt 1-97	240	245	0.1	0.1	5	11	4	9	16	57
Burt 1-97	245	250	0.1	0.1	6	14	5	11	14	43
Burt 1-97	250	255	0.1	0.1	7	17	5	16	14	48
Burt 1-97	255	260	0.1	0.1	6	21	4	13	12	34
Burt 1-97	260	265	0.1	0.3	8	17	5	15	15	89
Burt 1-97	265	270	0.1	0.1	9	26	5	17	14	40
Burt 1-97	270	275	0.1	1.0	6	15	4	13	14	220
Burt 1-97	275	280	0.1	0.1	7	19	6	17	13	40

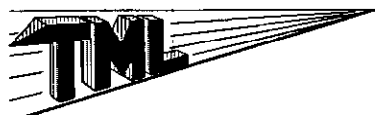


TERRAMIN RESEARCH LABS Ltd.

Job No: 97-120

**Client: Bul River Mineral Corp.
Project: Burt**

Sample Number	from	to	Ba ppm	Be ppm	Cr ppm	Li ppm	Rb ppm	Sr ppm	V ppm
Burt 1-97	65	70	520	2.4	56	31	186	55	120
Burt 1-97	70	75	510	2.4	46	30	187	39	130
Burt 1-97	75	80	530	2.5	42	35	197	63	110
Burt 1-97	80	85	530	2.5	41	32	194	79	110
Burt 1-97	85	90	530	2.4	44	29	197	62	110
Burt 1-97	90	95	560	2.3	38	29	195	65	110
Burt 1-97	95	100	560	2.5	96	34	200	65	110
Burt 1-97	100	105	550	2.5	40	36	204	61	110
Burt 1-97	105	110	510	2.3	65	30	168	68	110
Burt 1-97	110	115	540	2.3	55	33	171	71	120
Burt 1-97	115	120	550	2.5	59	34	190	63	120
Burt 1-97	120	125	530	2.0	64	29	172	97	120
Burt 1-97	125	130	540	2.0	71	32	177	85	110
Burt 1-97	130	135	530	2.0	57	33	182	73	110
Burt 1-97	135	140	540	2.1	62	34	188	65	110
Burt 1-97	140	145	540	2.2	56	32	193	66	100
Burt 1-97	145	150	540	2.2	51	32	187	61	100
Burt 1-97	150	155	530	2.2	53	34	182	64	100
Burt 1-97	155	160	550	2.2	58	30	187	80	100
Burt 1-97	160	165	550	2.4	49	32	194	71	90
Burt 1-97	165	170	560	2.3	48	33	206	63	90
Burt 1-97	170	175	550	2.5	55	39	200	61	100
Burt 1-97	175	180	540	2.0	39	34	194	69	90
Burt 1-97	180	185	510	2.3	50	31	178	73	100
Burt 1-97	185	190	540	2.3	53	28	180	69	100
Burt 1-97	190	195	540	2.3	55	29	176	74	100
Burt 1-97	195	200	530	2.2	52	28	178	86	100
Burt 1-97	200	205	500	2.3	56	31	176	91	100
Burt 1-97	205	210	530	2.3	51	30	198	66	110
Burt 1-97	210	215	510	2.5	51	33	200	62	110
Burt 1-97	215	220	520	2.4	46	36	193	63	110
Burt 1-97	220	225	530	2.3	51	35	188	61	110
Burt 1-97	225	230	560	2.0	46	27	188	66	110
Burt 1-97	230	235	640	2.0	45	31	206	68	110
Burt 1-97	235	240	580	1.9	48	32	203	53	110
Burt 1-97	240	245	540	2.0	48	32	184	62	110
Burt 1-97	245	250	520	2.2	71	30	176	57	100
Burt 1-97	250	255	520	2.3	70	31	168	60	90
Burt 1-97	255	260	550	2.4	56	31	190	53	110
Burt 1-97	260	265	570	2.4	61	31	184	61	100
Burt 1-97	265	270	520	2.1	56	28	166	76	90
Burt 1-97	270	275	550	2.3	66	31	193	61	100
Burt 1-97	275	280	560	2.3	58	30	179	85	110



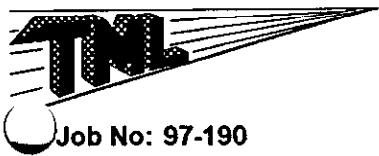
TERRAMIN RESEARCH LABS Ltd.

Job No: 97-120

Client: Bul River Mineral Corp.

Project: Burt

Sample Number	from	to	SiO ₂ %	Al ₂ O ₃ %	CaO %	MgO %	Na ₂ O %	K ₂ O %	Fe ₂ O ₃ %	MnO %	TiO ₂ %	LOI %	Total %
Burt 1-97	65	70	66.1	13.3	2.350	2.703	1.591	3.482	5.26	0.143	0.38	3.8	99.13
Burt 1-97	70	75	68.0	13.5	1.343	2.470	1.739	3.507	5.25	0.105	0.35	2.8	99.08
Burt 1-97	75	80	66.7	13.5	2.644	2.736	1.618	3.687	4.23	0.119	0.37	3.8	99.44
Burt 1-97	80	85	65.7	13.3	3.246	2.520	1.672	3.711	4.30	0.124	0.35	4.6	99.51
Burt 1-97	85	90	66.3	13.3	3.134	2.421	1.550	3.796	4.72	0.121	0.33	4.0	99.70
Burt 1-97	90	95	65.7	13.7	3.120	2.504	1.564	3.748	4.80	0.125	0.35	4.2	99.75
Burt 1-97	95	100	65.0	13.9	2.504	2.553	1.361	3.796	5.59	0.089	0.35	4.6	99.72
Burt 1-97	100	105	65.2	14.2	2.546	2.802	1.537	3.723	4.50	0.086	0.37	4.4	99.41
Burt 1-97	105	110	66.5	13.1	2.644	2.868	1.645	3.157	4.29	0.093	0.35	4.8	99.51
Burt 1-97	110	115	65.2	13.7	2.616	2.968	1.752	3.205	4.70	0.094	0.37	4.6	99.22
Burt 1-97	115	120	64.8	14.0	2.280	3.018	1.739	3.482	5.12	0.085	0.38	4.8	99.75
Burt 1-97	120	125	66.7	10.5	3.400	3.217	1.604	3.169	4.62	0.098	0.37	6.0	99.69
Burt 1-97	125	130	65.5	11.7	3.749	3.167	1.564	3.302	4.06	0.103	0.35	6.0	99.47
Burt 1-97	130	135	65.2	13.0	3.456	3.001	1.415	3.254	3.89	0.092	0.33	5.4	99.04
Burt 1-97	135	140	65.2	13.1	3.246	2.984	1.429	3.374	4.10	0.085	0.33	5.2	99.14
Burt 1-97	140	145	65.0	13.5	3.148	3.167	1.429	3.495	4.10	0.084	0.32	5.6	99.86
Burt 1-97	145	150	64.8	13.1	3.148	3.465	1.375	3.338	4.22	0.084	0.32	5.8	99.70
Burt 1-97	150	155	63.7	13.1	3.344	3.382	1.375	3.374	4.25	0.089	0.32	6.8	99.81
Burt 1-97	155	160	64.4	13.1	3.805	3.200	1.294	3.519	4.28	0.092	0.33	5.6	99.64
Burt 1-97	160	165	65.2	13.0	3.288	3.117	1.182	3.531	3.88	0.083	0.33	5.4	99.01
Burt 1-97	165	170	65.9	13.1	2.756	3.299	1.143	3.796	4.12	0.077	0.33	5.0	99.54
Burt 1-97	170	175	66.3	13.0	2.868	3.316	1.122	3.639	3.99	0.080	0.33	4.8	99.42
Burt 1-97	175	180	64.6	13.1	3.386	3.482	1.361	3.495	3.96	0.089	0.33	5.6	99.44
Burt 1-97	180	185	64.6	12.6	3.470	3.283	1.375	3.193	3.88	0.085	0.35	6.0	98.84
Burt 1-97	185	190	64.2	13.0	3.400	3.498	1.483	3.314	4.16	0.086	0.37	5.8	99.24
Burt 1-97	190	195	62.9	13.3	4.029	3.648	1.510	3.362	4.53	0.099	0.37	6.0	99.75
Burt 1-97	195	200	62.0	13.3	4.547	3.515	1.402	3.157	4.33	0.102	0.37	6.8	99.57
Burt 1-97	200	205	61.6	13.3	4.631	3.515	1.415	3.278	4.62	0.101	0.35	7.0	99.83
Burt 1-97	205	210	63.1	13.9	3.092	3.316	1.442	3.784	4.59	0.077	0.37	5.6	99.22
Burt 1-97	210	215	65.2	13.7	2.728	3.150	1.442	3.543	4.33	0.072	0.37	5.0	99.55
Burt 1-97	215	220	65.2	13.9	2.546	3.051	1.375	3.687	4.43	0.065	0.37	4.6	99.21
Burt 1-97	220	225	64.4	13.7	2.980	3.266	1.469	3.567	4.19	0.075	0.37	5.6	99.57
Burt 1-97	225	230	62.5	13.9	3.400	3.349	1.483	3.555	4.69	0.081	0.33	6.0	99.20
Burt 1-97	230	235	62.0	14.6	3.134	3.134	1.604	3.928	4.88	0.071	0.38	5.4	99.12
Burt 1-97	235	240	63.7	14.2	2.700	2.968	1.294	3.844	4.53	0.065	0.38	5.4	99.13
Burt 1-97	240	245	64.2	13.0	3.442	3.432	1.348	3.434	4.38	0.081	0.37	6.0	99.61
Burt 1-97	245	250	64.0	13.3	3.218	3.283	1.672	3.410	4.40	0.085	0.33	6.2	99.88
Burt 1-97	250	255	62.9	13.5	3.162	3.449	1.698	3.205	4.98	0.085	0.35	6.4	99.71
Burt 1-97	255	260	62.9	14.7	2.518	3.217	1.793	3.760	4.80	0.071	0.38	5.6	99.77
Burt 1-97	260	265	61.6	14.4	2.868	3.498	1.739	3.663	5.21	0.079	0.37	6.2	99.61
Burt 1-97	265	270	59.0	14.9	3.609	3.565	1.604	3.278	5.82	0.103	0.35	7.2	99.48
Burt 1-97	270	275	63.1	14.4	2.966	3.200	1.698	3.736	4.55	0.084	0.37	5.8	99.88
Burt 1-97	275	280	63.5	13.9	3.316	2.968	1.739	3.627	4.98	0.067	0.37	5.4	99.84



TERRAMIN RESEARCH LABS Ltd.

Job No: 97-190

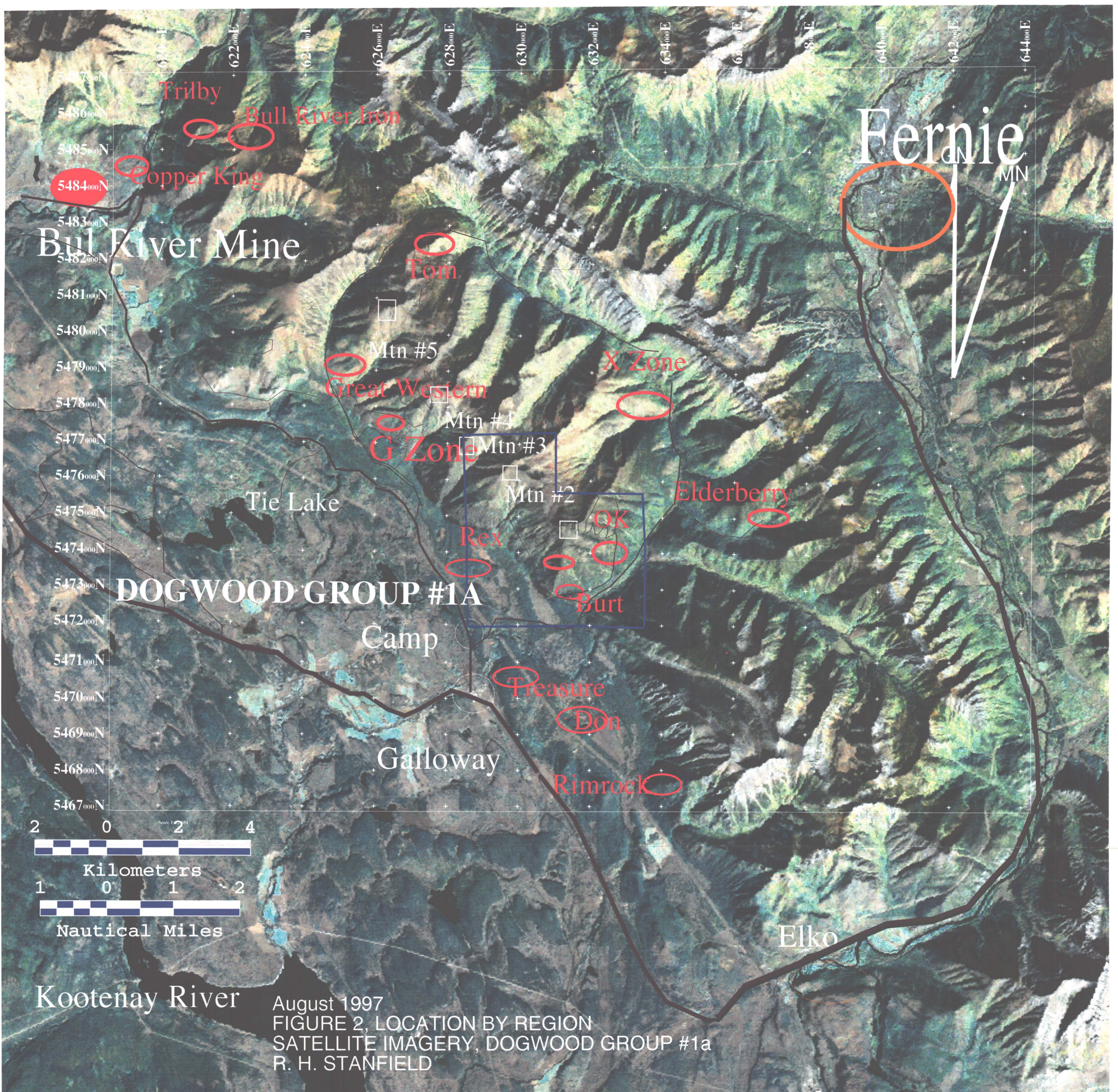
**Client: Bul River Mineral Corp.
Project: BURT**

Sample Number	SiO ₂ %	Al ₂ O ₃ %	CaO %	MgO %	Na ₂ O %	K ₂ O %	Fe ₂ O ₃ %	MnO %	TiO ₂ %	LOI %
Burt 2 2-96 1096-1338	0.2	0.2	33.436	19.233	0.050	0.012	0.11	0.010	0.02	45.6
Burt 1 96/97 1265	0.2	0.2	43.509	10.528	0.039	0.006	0.06	0.005	0.02	44.4
Burt 1-97 1152	1.9	0.2	42.949	10.081	0.059	0.025	0.11	0.008	0.02	44.4

Sample Number	Ba ppm	Be ppm	Cr ppm	Li ppm	Rb ppm	Sr ppm	V ppm
Burt 2 2-96 1096-1338	200	0.6	10	10	6	78	10
Burt 1 96/97 1265	280	0.7	5	12	6	69	10
Burt 1-97 1152	250	0.7	5	13	6	86	20

Sample Number	Cd ppm	Co ppm	Cu ppm	Pb ppm	Mo ppm	Ni ppm	Ag ppm	Zn ppm
Burt 2 2-96 1096-1338	1.6	< 1	4	28	1	4	0.1	119
Burt 1 96/97 1265	0.2	< 1	4	9	1	2	0.1	21
Burt 1-97 1152	0.8	1	3	1	1	3	0.2	47

GRAB SAMPLES OF CORE TO CONFIRM PRESENCE OF CARBONATE



August 1997
 FIGURE 2, LOCATION BY REGION
 SATELLITE IMAGERY, DOGWOOD GROUP #1a
 R. H. STANFIELD