

ARIS SUMMARY SHEET

District Geologist, Prince George

Off Confidential: 94.10.19

ASSESSMENT REPORT 23101

MINING DIVISION: Cariboo

PROPERTY: Frasergold
LOCATION: LAT 52 19 00 LONG 120 37 00
UTM 10 5798716 662453
NTS 093A07E

CAMP: 036 Cariboo - Quesnel Belt

CLAIM(S): Kay 10-11
AUTHOR(S): Schatten, M.;Eureka Res.
REPORT YEAR: 1993, 96 Pages

COMMODITIES

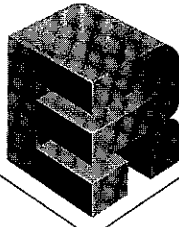
SEARCHED FOR: Gold

KEYWORDS: Phyllites,Gold,Triassic,Quesnel River Group,Pyrite,Pyrrhotite
WORK

DONE: Drilling,Geochemical
ROTD 1020.0 m 20 hole(s)
SAMP 324 sample(s) ;AU

RELATED

REPORTS: 15715,16765,17746,20547,21819



LOG NO:	RD.
ACTION:	NOV 10 1993
FILE NO:	

EUREKA RESOURCES, INC.

FRASERGOLD PROPERTY
Cariboo Mining Division, B.C.

ASSESSMENT REPORT
1993 DRILL PROGRAM

October, 1993

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,101

ASSESSMENT REPORT ON THE FRASERGOLD 1993 DRILL PROGRAM

MacKay River Area

Cariboo Mining Division, British Columbia

N.T.S. Map Area 93A/7E

Latitude 52° 19'N Longitude 120° 37'W

Claims: Mac 1-14, Kay 1-12, Alpha 2, Kusk A, Muck B, Kusk 1-7, Gina Fr.

Owner: Eureka Resources, Inc.
837 East Cordova St.
Vancouver, B.C.
V6A 3R2

Operator: Eureka Resources, Inc.

by

M. Schatten, B.Sc.
October 27, 1993

Reviewed & Approved by
J. Kerr, P.Eng.

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1. INTRODUCTION

1.1 Location, Access, and Terrain

The Frasergold property lies in the Cariboo region of central British Columbia, approximately 100km east of Williams Lake in the Cariboo Mining Division. The claims straddle the MacKay River valley and are centred approximately at 52°19'N and 120°37'W within National Topographic System area 93A/7E, Figures 1 and 2.

Road access to the property is east for 55km along paved Highway 97 from 150 Mile House to Horsefly, then northeasterly along an all-weather logging road following the Horsefly River for 55km, past the Crooked Lake road junction to a branch road to the southeast which enters the MacKay River valley.

The MacKay River road bears east upon crossing Carlson Bridge over the Horsefly River, then extends 7km to the north side of Hawkey Creek where the camp facility is located. The logging road which branches southwest across the MacKay River near the mouth of Hawkey Creek continues southeasterly within the central portion of the property for about 10km to the 1988 adit. 4 x 4 roads provide access to most working areas of the property.

The property occurs on the west flank of the Cariboo Mountain Range. Topography is moderately steep in the northwest portion of the claims and steeper in the southeast portion. Elevations on the property ranges from approximately 1,200 to 2,425m. Most recent work on the property has been on the northeasterly facing slopes of the MacKay River valley between elevations of 1,200 and 1,550m (Figures 2,3,4).

The vegetation along the MacKay River valley consists of stands of commercial spruce and balsam with thick underbrush. Forest cover is lighter above 1,600m and alpine vegetation is encountered at approximately 1,800m elevation. Large areas of the claims have been logged and there is a good network of access trails. Recent logging in 1991 and 1992 has extended clear cuts on the southwest side of MacKay River valley to Grouse Creek.

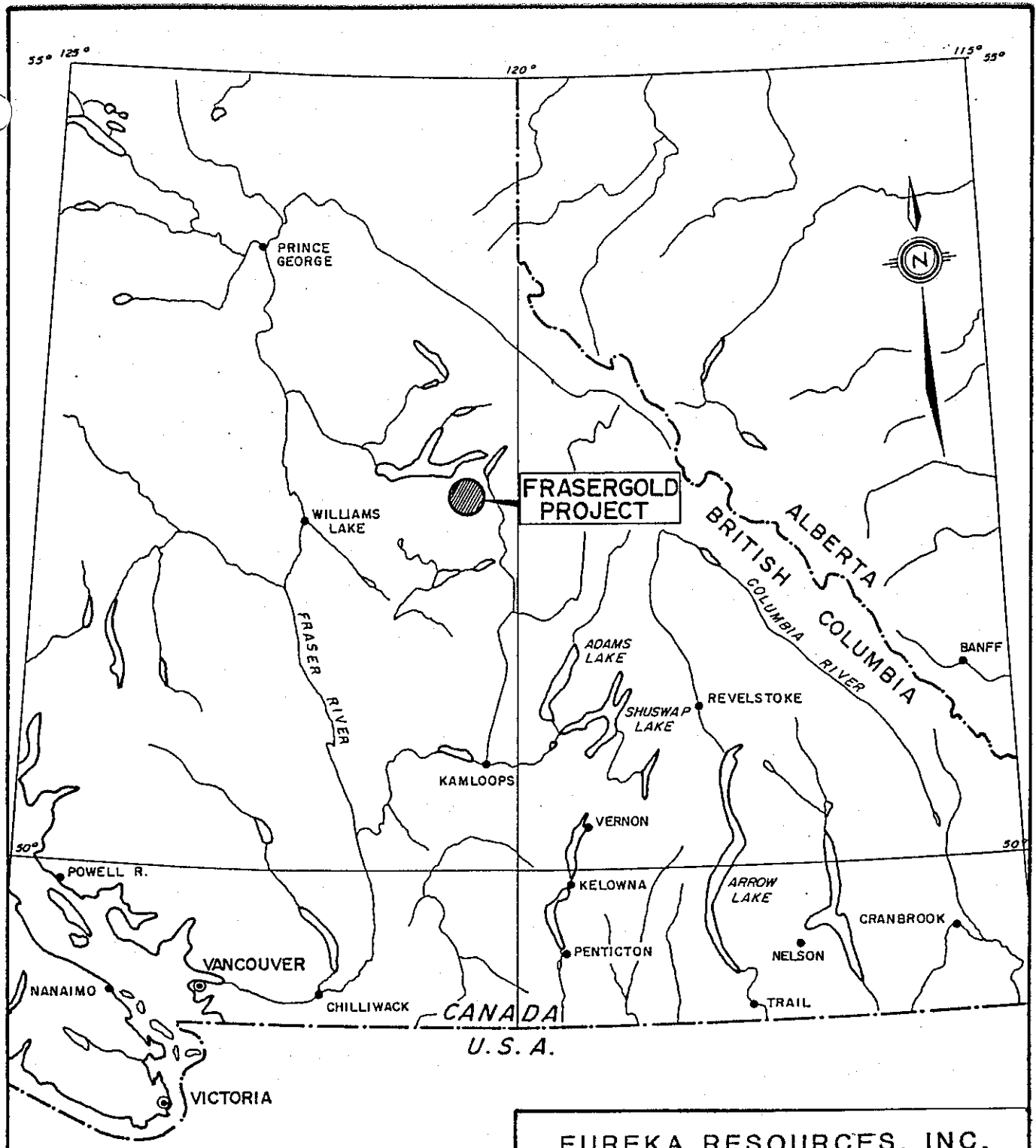
1.2 Claim Status

The Frasergold property (see Figure 3) consists of 39 mineral claims (360 units) all recorded in the name of Eureka Resources Inc.. All claims are in good standing until 1997-2003 (see Table 1). The expiry dates reflect the dates that will be in effect upon acceptance of this report.

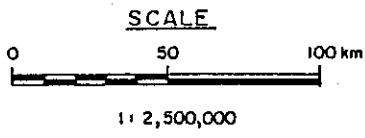
Table 1. Summary of Claim Particulars

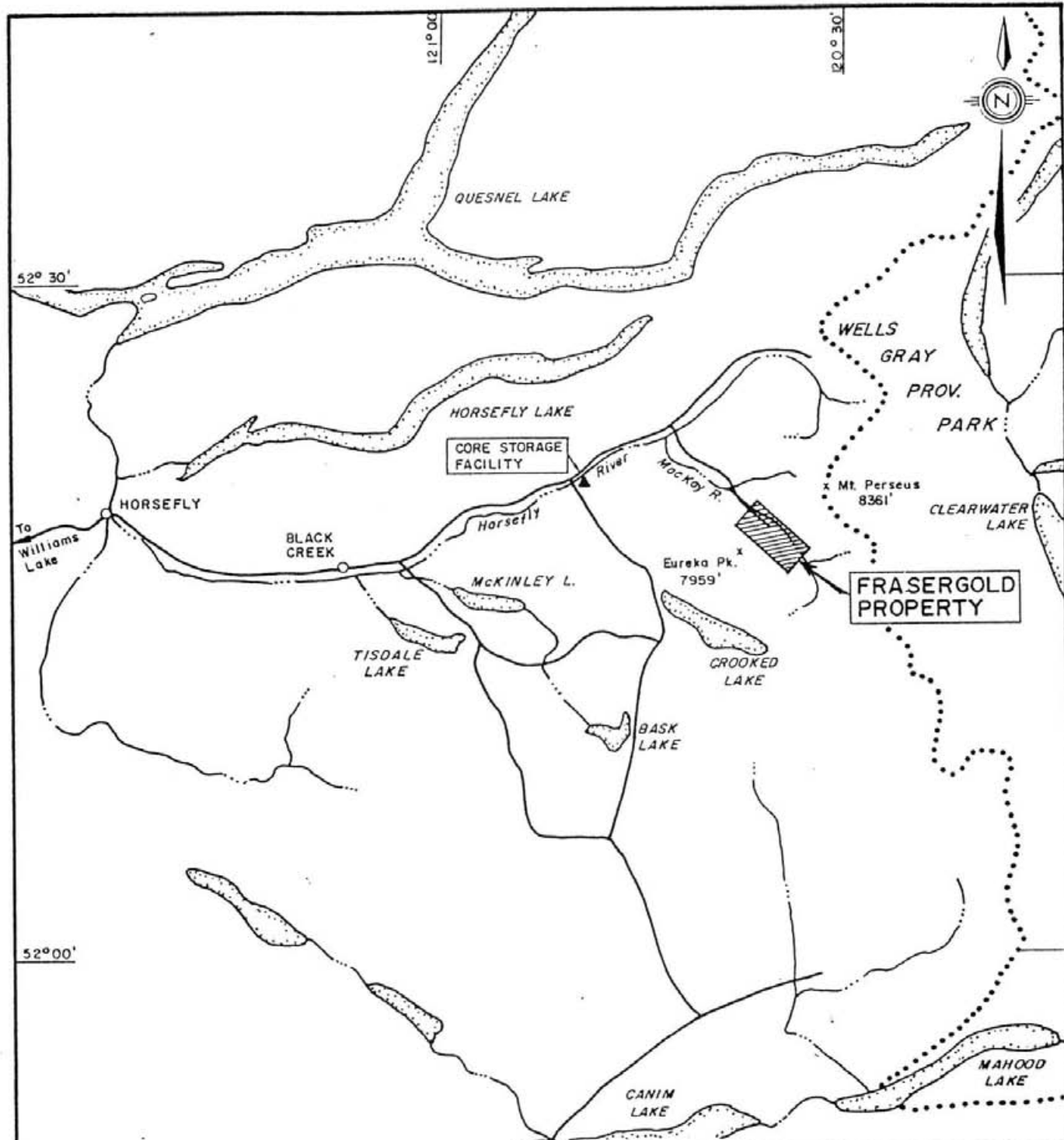
<u>Claim Name</u>	<u>Units</u>	<u>Tenure No.</u>	<u>Expiry Date*</u>
Group I Mac Northwest Group			
Mac 8	16	204894	07/27/97
Mac 9	20	204895	07/27/97
Mac 10	20	205228	07/31/97
Mac 13	20	207025	06/29/97
Group II Mac Main Group			
Mac	9	204214	10/19/2000
Mac 2	20	204362	10/22/99
Mac 7	8	204893	07/27/99
Alpha 2	9	204793	09/23/99
Mac 14	20	207026	06/22/99
Mac 12 Fr.	1	204897	07/27/99
Mac 6	9	204392	12/23/99
Mac 3	6	204390	12/23/99
Mac 4	2	204391	12/23/99
Mac 5	4	204892	07/27/99
Mac 10 Fr.	1	204891	07/19/99
Group III Kay Group			
Kay 10	6	204347	09/25/2003
Mac 9 Fr.	1	204887	07/16/2003
Mac 11 Fr.	1	204896	07/21/2003
Kay 12	20	204677	01/26/99
Kusk A	18	205571	10/05/99
Muck B	12	205612	11/05/99
Kusk 6	20	204577	11/20/99
Kusk 7	20	204578	11/20/99
Group V Kusk/Kay Group			
Kay 1-8	8	204187-94	09/04/99
Kay 9	20	204327	08/11/2002
Gina Fr.	1	306095	08/19/98
Kusk 3	20	204574	11/20/99
Kusk 4	16	204575	11/20/99
Kusk 5	9	204576	11/20/99
Kusk 1	9	204572	11/20/99
Kusk 2	12	204573	11/20/99
Kay 11	<u>2</u>	204348	09/25/2003
Total Units	360		

* Upon acceptance of this report.



EUREKA RESOURCES, INC.			
FRASERGOLD PROJECT			
LOCATION MAP			
PROJECT 84-72	DRAWN B. McLeod	DATE Nov. 1989	FIGURE 1
Revised		N.T.S.	
K.V. CAMPBELL & ASSOCIATES LTD.			





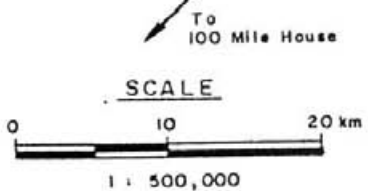
EUREKA RESOURCES, INC.

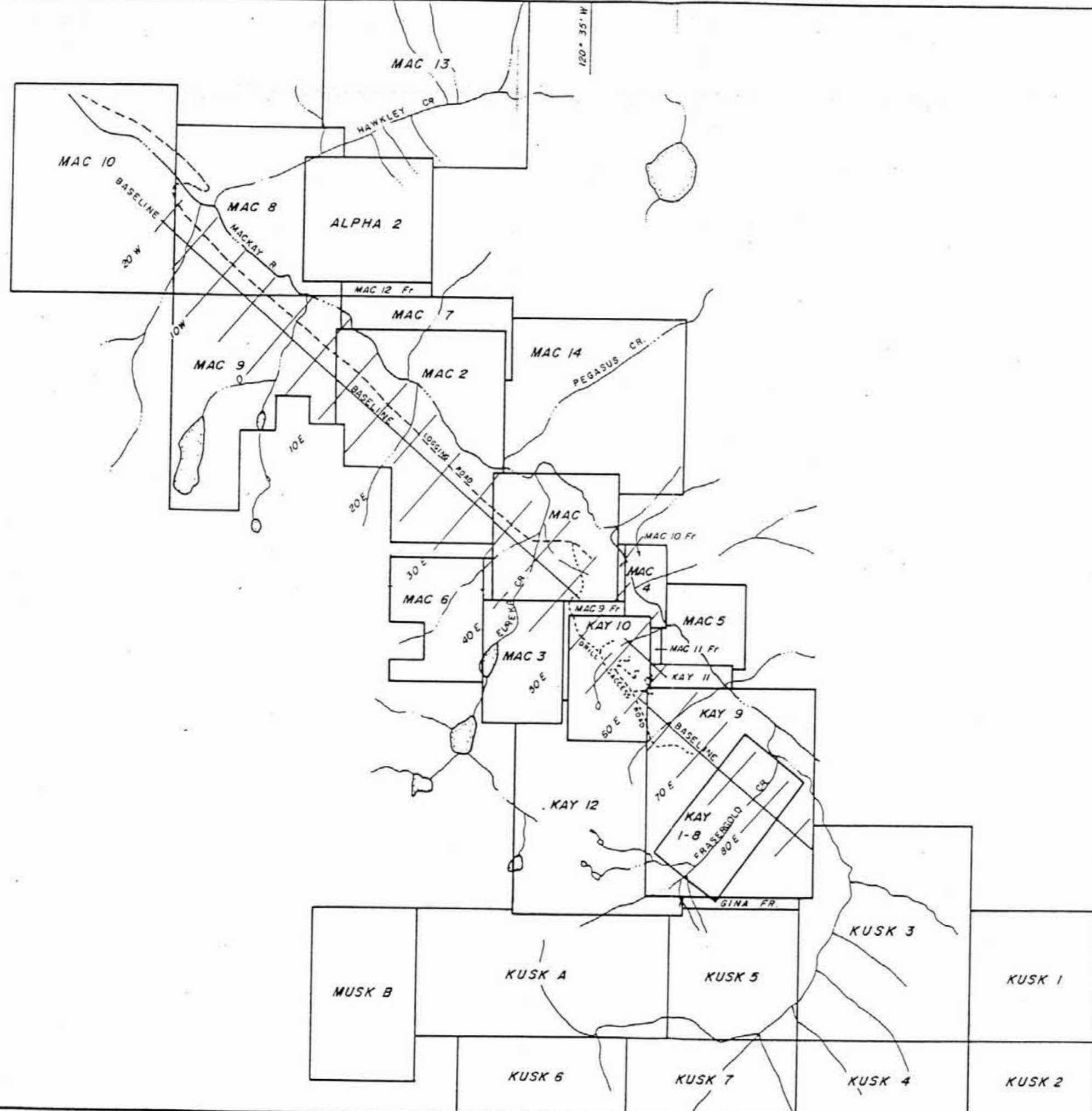
FRASERGOLD PROJECT
CARIBOO MINING DIVISION, B.C.

REGIONAL LOCATION MAP

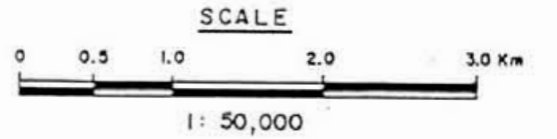
PROJECT 84-72	DRAWN B. McLeod	DATE Nov. 1989	FIGURE 2
Revised		N.T.S. 93 A	

K.V. CAMPBELL & ASSOCIATES LTD.





52° 20' N.



EUREKA RESOURCES, INC.			
FRASERGOLD PROJECT CARIBOO MINING DIVISION, B.C.			
CLAIM PLAN			
PROJECT	DRAWN	DATE	FIGURE:
84-72	B. McLEOD	NOV. 1989	3
REVISED		N.T.S.	
	NOV. 1990	93A / 7E	
K.V. CAMPBELL & ASSOCIATES LTD.			

1.3 History

1.3.1 Keron Holdings (1979-1982)

In the late 1970's Mr. Clifford E. Gunn staked the original ground; the Alpha, Mac, and Kay 1-8 mineral claims. Keron Resources (1979-1982) expanded the property to include the Kay 9-12 and Mac 2-9 claims. 3,000 soil samples and 150 rock chip samples were collected which revealed a 10km long zone of soils with anomalous gold values. Expenditures for this period were \$160,000.

1.3.2 Amoco Canada Petroleum Ltd. (1983-1984)

Amoco Canada Petroleum Ltd in 1983 completed seven kilometres of drill access roads and 1.2km of hand trenches, collecting 1,070 samples. An additional 820 soil samples were collected over the anomalous section of the original geochemical survey. Limited electromagnetic and magnetic surveys were also completed. A five hole diamond drill program totalling 1,644m was completed over an 800m strike length of the geochemical anomaly.

In 1984 Amoco collected 1,959 soil samples and 190 chip samples. Radem-Electromagnetic and magnetometer surveys were performed over the main portion of the gold anomaly. A legal survey was made of the claim posts. Nine holes (NQ) size, totalling 2,875m, were drilled along the trace of the soil geochemical anomaly. Amoco expenditures for this period were \$950,000.

1.3.3 Eureka Resources, Inc. (1985-1987)

Eureka Resources continued surface exploration in 1985, at a cost of \$60,000. A total of 1,020 soil samples were collected over the northwest part of the claim. A metallurgical study was also done in 1985. A six line kilometre test I.P. survey was completed on very widely spaced lines over the mineralized horizon and its projected extension.

In 1986 230 rock chip samples from 14 trenches were taken. Bulk samples, 150 to 500kg in size, were taken from eight sites for metallurgical testing. Four reverse circulation holes, with a diameter of 4.5", were attempted but only one hole reached the desired depth. Eighteen HQ holes, totalling 2,021m, were diamond drilled. Expenditures of the 1986 program were \$320,000.

The property was optioned to Southlands Mining Corporation in 1987, with Eureka as operator. The program consisted of bulldozing 2km of drill access roads, 660m of trenching from which 95 samples were channel chipped, and preparation of 16 drill sites. The (then)

proposed adit portal site and work/storage area were also prepared. 21 4.5" reverse circulation holes totalling 1,710m were completed in the Main Zone bounded by Sections 50+00E and 60+00E. Expenditures for the 1987 work was \$410,000.

1.3.4 Sirius Resource Corporation and Southlands Mining Corporation (1987-1988)

Southlands Mining Corp. resumed the program in late 1987, optioning a portion of their interest in the project to Sirius Resource Corp. Sirius completed at a cost of \$1,500,000 184m of underground adit and 17 HQ diamond drill holes, totalling 1,536m, drilled over a strike length of 450m of the Frasersgold Main Zone. 160 chip samples were collected from underground and 524 tonnes of bulk samples were processed through a mill in North Vancouver.

In the spring of 1988 Sirius, at a cost of \$520,000, completed 35 closely spaced vertical reverse circulation drill holes, totalling 2,288m over a 300m strike length of the Frasersgold Main Zone and 2 angled reverse circulation drill holes, totalling 168m, were drilled 1km north of the adit, on the Mac claim.

In the fall of 1988 Sirius performed the following work in the Eureka Peak Zone at a cost of \$380,000; 478 soil samples were collected on a geochemical anomaly, a series of hand trenches were dug on the anomaly with 27 rock chip samples collected, and six NQ diamond drill holes, totalling 862m, were completed.

1.3.5 Eureka Resources, Inc. (1989)

In the fall of 1989 Eureka Resources collected 284 channel samples from the underground adit, 74 muck samples from 37 rounds of unanalyzed, stock-piled bulk samples that remained on site, and collected 297 samples of split core from previously unsampled drill core. All diamond drill core was relogged. Expenditures for 1989 were \$60,000.

1.3.6 Asarco Exploration Company of Canada, Ltd. and Eureka Resources, Inc. (1990)

Eureka Resources, Inc. formed a joint venture partnership in April, 1990 with Asarco Exploration Company of Canada, Ltd. with Eureka Resources, Inc. as the operator. Work commenced in June, 1990 with the preparation of 2.9km of drill access roads. The bulk of the programme consisted of drilling along a 3km strike length of the geochemical anomaly to extend known reserves.

Both diamond and reverse circulation drilling were utilized. Diamond drilling consisted of 25 angled holes totalling 4684.2m of HQ size core. Within the Main and Grouse Creek zones these holes were drilled at 200m centres and infilled by 41, 4.25", angled reverse

circulation holes, totalling 4156.9m, spaced at 50m intervals. Along the northwest portion of the anomaly only diamond drilling was utilized with the holes spaced at approximately 500m intervals. In the Eureka Peak Zone 2 angled reverse circulation holes were drilled, totalling 105.0m.

Expenditures for the 1990 work programme was \$1,400,000.00 which Asarco Exploration Company of Canada, Ltd. funded.

1.3.7 Asarco Exploration Company of Canada, Ltd. and Eureka Resources, Inc. (1991)

Asarco Exploration Company of Canada, Ltd. continued as a joint venture partner for the 1991 field program beginning in May and finishing in October, 1991.

The program consisted primarily of two overlapping phases, those being reverse circulation drilling and underground bulk sampling, channel sampling, and mapping. The total cost of these two phases was \$2,000,000.00.

In order to realize the 1991 drilling objectives 3.2km of drill access roads, with pads as required, were prepared. 11458.25m (117 5.5" holes) of reverse circulation drilling was completed within the Historical Main and Grouse Creek East Zones.

The underground mining resulted in 9 bulk samples taken over a distance of 112m in new drifts (40m) and crosscuts (72m) extending from the southeast and northwest drifts of the already existing adit.

1.4 1993 Work Summary

During September, 1993 Eureka Resources, Inc. undertook a reverse circulation drill program in two areas of the Historical Main Zone to test areas defined for possible future underground bulk sampling.

Two drill pads, each roughly 12m x 10m, were built and grid lines surveyed in. 10 drill holes were completed on each pad for a total of 20 reverse circulation drill holes (1,020m). The drill hole diameter is 5.25". In select areas of each drill hole samples were collected for assaying and milling. As assessment work is not being filed on the milling it is not discussed in this report. The drill plugs were surveyed upon completion of drilling.

Expenditures for the program are \$116,476.44, excluding milling costs.

1.5 Claims Work Performed On

Group I Mac Northwest Group

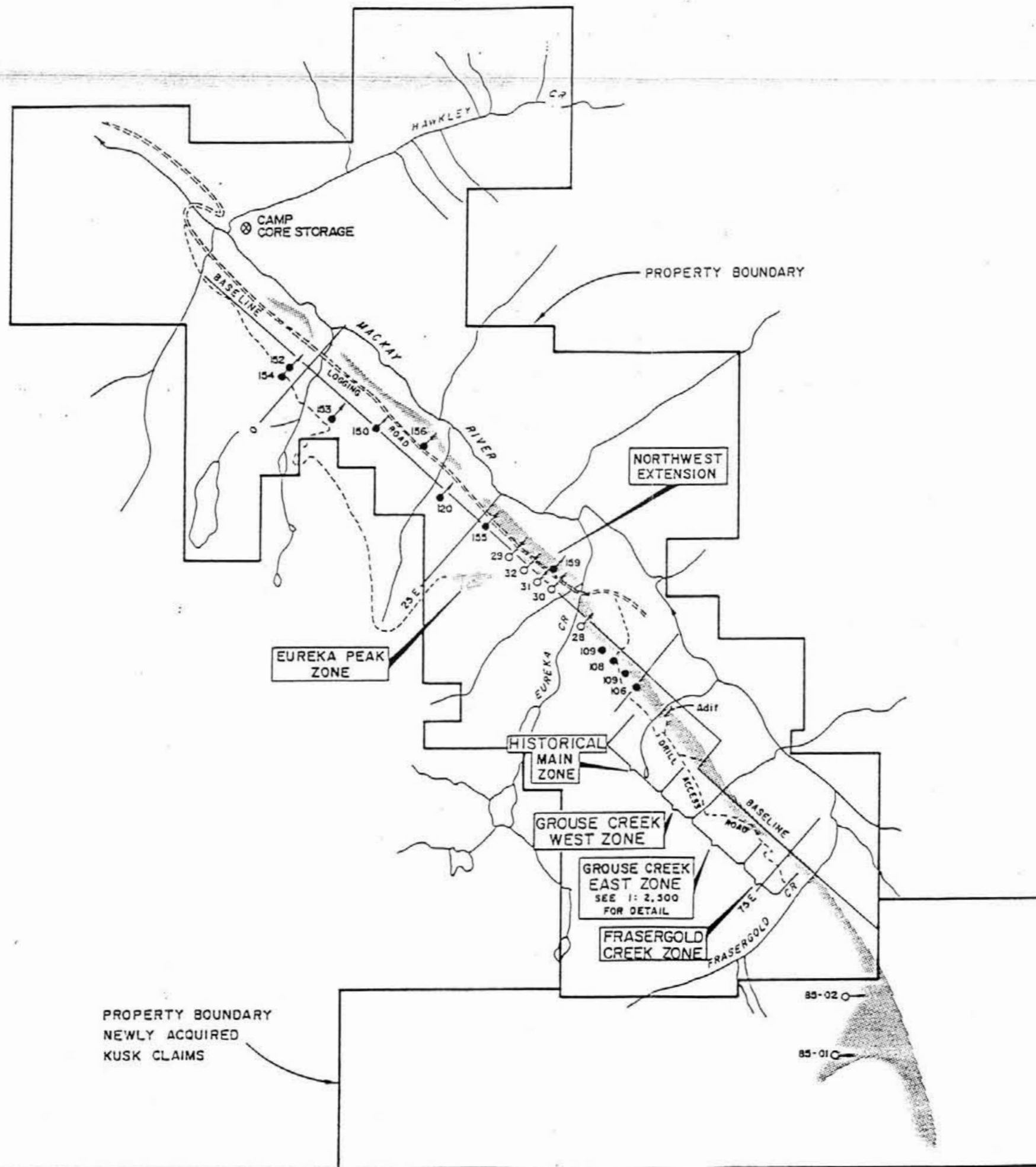
Group II Mac Main Group

Group III Kay Group

Kay 10 592.5m reverse circulation drilling reflected as 55%
 of overall costs
 drill site and road access preparation

Group IV Kusk/Kay Group

Kay 11 427.5m reverse circulation drilling completed on Kay 9 reflected as
 45% of overall costs
 drill site and road access preparation



LEGEND

- Gold Bearing Zone, defined by geochemically anomalous soils.
- All Diamond Drill Holes outside specific areas of Main Zone



EUREKA RESOURCES, INC.

FRASERGOLD PROJECT

WORK AREAS

SCALE	1:50,000	DATE	Oct. 1990	FIGURE 4
Revised	Nov. 1991	N.T.S.	93A/7E	

K.V. CAMPBELL & ASSOCIATES LTD.

2. 1993 DRILL PROGRAM

2.1 Introduction

In September, 1993 Eureka Resources, Inc. carried out a reverse circulation drill program in the Historical Main Zone. The program was designed to test the potential of two areas outlined for future consideration of underground bulk sampling.

Three grid sections, on each drill pad, spaced at 4m intervals were drilled. The pattern of holes was 3 holes per section except for the middle section where 4 holes were drilled. Distance on surface between holes on a given section varied from 0.2m to just over 2m.

On August 28, 1993 an excavator was mobilized from Horsefly, BC to the Frasergold property in order to build 2 drill pads and clear required existing access roads. Each drill pad is roughly 9-10m x 12m.

Upon completion of site preparation grid lines 55+04E, 55+08E, 55+12E, 59+30E, 59+34E and 59+38E were established over the drill pads and surveyed in by Rathbone and Goodrich, legal land surveyors. During this period the field crew stayed in motels in Williams Lake and Horsefly. Jacobson Bros. logging camp, 15km from the Frasergold property, provided room and board for Eureka's crew and the drill crew during the period of drilling.

The drill contract was awarded to Midnight Sun Ltd. of Whitehorse, YT. The total cost per metre is \$54.81 all inclusive. Midnight Sun Ltd. mobilized its crew and drill to the property on September 9, 1993. Drilling began September 10 and was completed September 24, 1993. A total of 20 holes were drilled and completed, totalling 1,020m.

All reverse circulation drill holes were drilled at a bearing of 040° corresponding with grid section orientation. Angles varied from -45.5° to -69° depending upon location of pierce point targets on the plane of proposed underground sampling. The density of drill holes along each proposed plane are at 6m centres per section. On the first drill pad, sections 55+04E - 55+12E, the plane of a proposed bulk sample is at the 1498.5m elevation and the drill pad at the 1536.9m elevation. Because of this 9 holes were drilled to 60m and 1 hole drilled to 52.5m (downhole problems) putting hole depths well below the target plane. The second drill pad, sections 59+30E - 59+38E, is at an elevation of 1516.8m while the plane of a proposed bulk sample is at 1492.3m, resulting in drill hole depths of 40.5-45.0m.

Table 2 shows the dates drilled, angle, bearing, depth and survey data of all holes drilled. Refer to Figures 5 and 6 for collar plans. Survey data is expressed as arbitrary mine grid coordinates in Table 2 and on collar plans and drill sections.

Table 2. Reverse Circulation Drill Holes 1993

<u>Historical</u> <u>Main Zone</u> <u>Hole No.</u>	<u>Date</u> <u>Started/Completed</u>	<u>Mine Coordinates</u>		<u>Elevation(m)</u>	<u>Bearing</u>	<u>Angle</u>	<u>Hole Depth(m)</u>
		<u>Northing</u>	<u>Easting</u>				
93275	Sept 10-11, 1993	-188.85	5507.99	1537.7	040	-45.5	60.0
93276	Sept 12-13, 1993	-190.58	5507.91	1537.7	040	-49	60.0
93277	Sept 13-14, 1993	-192.27	5508.04	1537.6	040	-53.5	60.0
93278	Sept 14-15, 1993	-193.48	5507.92	1537.6	040	-57.5	52.5
93279	Sept 15-16, 1993	-190.67	5512.04	1537.8	040	-46	60.0
93280	Sept 16-17, 1993	-192.95	5511.91	1537.8	040	-49	60.0
93281	Sept 17-18, 1993	-194.42	5511.84	1537.8	040	-54.5	60.0
93282	Sept 18, 1993	-188.44	5504.11	1537.7	040	-48	60.0
93283	Sept 19, 1993	-190.68	5503.99	1537.6	040	-52	60.0
93284	Sept 19, 1993	-192.09	5503.98	1537.9	040	-56	60.0
93285	Sept 20-21, 1993	-257.81	5938.11	1517.6	040	-49	45.0
93286	Sept 21, 1993	-259.20	5938.01	1517.5	040	-54.5	45.0
93287	Sept 21, 1993	-261.31	5938.15	1517.5	040	-61	40.5
93288	Sept 22, 1993	-260.63	5934.01	1517.3	040	-69	40.5
93289	Sept 22, 1993	-260.21	5934.02	1517.5	040	-58	45.0
93290	Sept 22-23, 1993	-258.18	5934.05	1517.7	040	-52	42.0
93291	Sept 23, 1993	-257.79	5933.99	1517.7	040	-45	45.0
93292	Sept 23, 1993	-257.29	5930.02	1516.8	040	-49	45.0
93293	Sept 23-24, 1993	-257.82	5930.01	1517.2	040	-58	42.0
93294	Sept 24, 1994	-258.78	5930.00	1517.2	040	-66	40.5

5504E

5508E

5512E

-190N

-200N

○ R93282

○ R93275

○ R93283

○ R93276

R93279

○ R93284

○ R93277

○ R93280

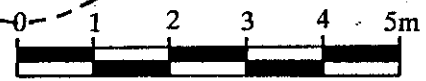
○ R93278

○ R93281

LEGEND

○ Reverse circulation drill hole collar

- - - Drill pad



Scale 1:100

EUREKA RESOURCES, INC.

FRASERGOLD PROJECT

Cariboo Mining Division, BC

DRILL HOLE COLLAR PLAN

Historical Main Zone

NTS 93A/7E

SCALE 1:100

DATE September, 1993

FIGURE 5

5930E

5934E

5938E

-255N

-265N

○ R93292
○ R93293
○ R93294

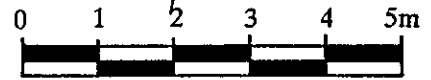
○ R93291
○ R93290

○ R93289
○ R93288

○ R93285

○ R93286

○ R93287



Scale 1:100

LEGEND

○ Reverse circulation drill hole collar

- - - Drill pad

EUREKA RESOURCES, INC.

FRASERGOLD PROJECT
Cariboo Mining Division, BC

DRILL HOLE COLLAR PLAN
Historical Main Zone

NTS	93A/7E	SCALE	1:100
DATE	September, 1993	FIGURE	6

2.2 Drill Description

Reverse circulation drilling was completed with a Heliportable 4150 self propelled four wheel drive rig owned and operated by Midnight Sun Ltd. of Whitehorse, YT. The 6m long drill is articulated in the centre to break down for flying and completely hydraulic.

The Schramm compressor is separate from the drill and was mounted on a 8.7m long and 3.8m wide nodwell with 1.4m wide tracks enclosing non-powered wheels. The air capacity is 850CFM/350PSI, the drilling pressure generally 570-300PSI (650CFM).

The drill string consisted of 3.75" diameter, 10ft long dual wall pipes above a Digger (RC44) system downhole hammer and 5.25" diameter drill bit. Drill rods were stored in a basket mounted at the back of the nodwell.

Water, as required for drilling, was obtained from a nearby creek where a pump was installed to feed water along lines running to the rig.

2.3 Drilling and Sampling Procedures

Description of the Digger downhole hammer is taken from the Assessment Report on the 1991 Drill Program on the Frasergold property.

The Digger system of reverse circulation drilling provides:

- high sample recovery with essentially no loss of fines
- an uncontaminated sample
- productivity rates comparable to that of the conventional reverse circulation system

It utilizes compressed air injected down the hole through the outer circumference of the drill pipe to the hammer. The compressed air flows into the piston motor to drive the downhole hammer which in turn transmits high energy shock to the bit face. The air flow continues on to the bit and exits through grooves directly above the bit face. Subsequently, as the air stream is directed across the bit face, cuttings below the bit are picked up and carried along with the compressed air into two cylindrical openings in the face of the bit directly into the sample recovery tube.

Since the cuttings have no contact with the outer drill hole wall there is no chance of contamination from cuttings uphole. The bit face intake also ensures a high recovery (90-100%) as no cuttings can be lost travelling along the outer annulus of the hole. Subsequently the cuttings pass through the top drive into the cyclone hose. The cuttings and compressed air enter the cyclone which serves to eject the air out the top of the cyclone and reduce the velocity of the cutting as they fall down through the cyclone into the splitter. A 3' diameter hydraulic rotary splitter, with 16 equal chambers, was used to obtain representative assay samples. The bulk of drilling was done dry, only in holes R93275 and

R93276 was water injected.

To ensure clean samples, at the end of every 10' drill rod the hole was blown out by "spudding" the rods over a 20' (6.2m) length of the hole. Samples were not collected during this process.

A sample interval is 1.5m long. The theoretical weight of a 1.5m long interval from a 5.25" diameter hole is 54.3kg (120lbs). Two opposing chambers in the rotary splitter provided an 1/8 split which was collected for assay. At select depths in the drill hole 7/8th of the sample was collected for milling otherwise it was left as reject. The theoretical weight of a 1/8 split is 6.8kg (15.03lbs). Recovery is in the order of 90-97%. It should be noted that as the buttons on the bit face become worn the diameter of the hole decreases to 5.00" thus resulting in a smaller sample.

The assay sample (1/8 split) was collected in a specially treated, 13" x 26", 400 mesh Bone Velour Micro Por PE bag held in place under the splitter by a bucket converter placed on a 20 litre plastic pail. The seams are double stitched with a polyester lock stitch and have a rolled seam with nylon drawcord for closure and hanging.

The entire sample (cuttings and water when drilling wet) from a 1.5m sample interval was contained in the Micro Por PE bag under ideal conditions. Specially designed drying racks at the drill site were used to hang the wet mill and assay bags for periods of up to 24 hours. An additional aid to drip drying was to twist tie the cloth bag thereby exerting added pressure to expel clear water at a quicker rate. The twist ties also prevented sample loss during transport. Recovery of sample fines is in the order of 99%.

Initially assay and mill samples were collected in separate bags over selected areas of sampling. However upon completion of the first three drill holes (R93275-77) it was decided to collect separate assay sample bags only prior to and after mill sample collection. Once the mill samples reached the milling facility in Vancouver, BC a 1/8th split was removed from each mill sample interval and sent to the laboratory of Bondar-Clegg in North Vancouver, BC for assay.

Mill samples were collected 5-9m (7-12 samples/hole) above and below the plane of a proposed bulk sample and are indicated on the drill logs found in Appendix I. Because of the weight (54.3kg) of drill cuttings for a 1.5m sample interval 2 mill sample bags were used for each interval and labelled A and B.

Mill samples were collected in bags made by Tri-Combined Resources Inc. of Salt Lake City, Utah and shipped to Williams Lake, BC via Vancouver. The polyester cloth bags are 270 mesh and 30" x 30" with a rolled seam and nylon drawcord for closing and hanging.

Initially the mill sample bags were placed in specially built wooden boxes and placed under the reject spout of the splitter to collect 7/8th (later the entire sample) of the sample. It proved too cumbersome to pull the box out once the bag was full and this method of mill sampling was abandoned. Samples were then collected with the bag attached directly to the cyclone and held in place by raytek straps. This method proved to be efficient and manageable. As well sample loss was

very small, only a small amount of fines were lost as dust going out the top of the cyclone.

2.4 Logging Procedure

A geologist was present at the drill site at all times to log the cuttings at the end of each sample as well as to orient the bearing and angle of the hole, set casing, and terminate the hole.

Cuttings for logging purposes were collected in a sieve when collecting only assay samples and taken directly from mill sample bags when collecting mill samples. Lithology, structure (ie. lineations), volume percent of quartz and sulphides and alteration products were noted on the drill logs. Due to the size of the cuttings, up to 4cm, an accurate description was possible in most cases. Select samples were examined more closely under a binocular microscope right at the site. Once logged the cuttings were placed in 7 dram vials to be brought to the old Frasergold camp site and stored in a shed.

Assay and mill samples were transported from the drill site to camp where they were placed in 100lb rice bags for transport. Samples were shipped twice to the laboratory of Bondar-Clegg in North Vancouver and to Process Research Development (mill facility) in Vancouver in a 10ton truck owned by Jackass Trucking of Horsefly, BC.

3. GEOLOGY

3.1 Regional

The claims straddle the boundary between two major tectonic belts of the Canadian Cordillera: the Omineca Tectonic Belt on the east and the Quesnel Trough of the Intermontane Belt on the west and central portions of the property (Figure 7). Three regional tectonostratigraphic sequences or terranes are present.

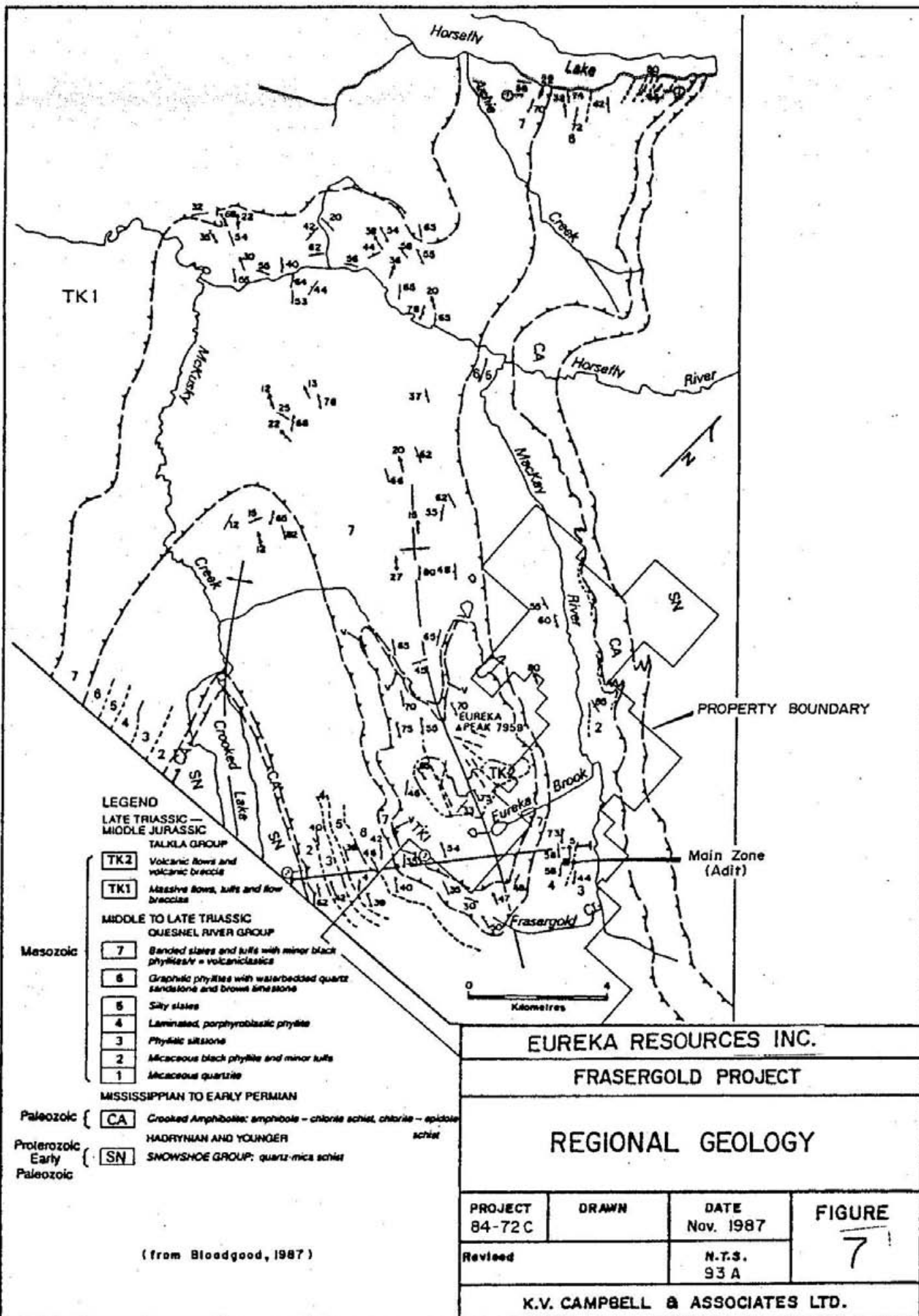
- i. Snowshoe Group - Hadrynian to early Palaeozoic quartz-mica schists and gneisses.
- ii. Crooked Amphibolite - Pennsylvanian and Permian amphibolite, chlorite schist, and chlorite-epidote schist.
- iii. Quesnel River Group & Takla Group - Middle to Late Triassic sediments and Late to Middle Triassic volcanics.

Bloodgood(1987a) has subdivided the Quesnel River Group in the Eureka Peak area into 7 units. Bloodgood's Unit 4, laminated, porphyroblastic phyllite, is the unit which hosts the Frasergold Main Zone of mineralization and which is locally referred to as the 'knotted phyllite' (kp).

The dominant structures in the region are the northwest trending Eureka Syncline and Perseus Anticline (Campbell, 1971). South of the Eureka Syncline lies the Boss Mountain Anticline. Northeast of the MacKay River, the intervening limb of the Eureka Syncline and Perseus Anticline is overturned to the southwest and incorporates the contact between the Quesnel Trough and the Omineca Belt. These large folds display a change in attitude along their trend.

Regional dynamothermal metamorphism affected all the pre-Tertiary rocks in the area. In the Eureka syncline the metamorphic grade of all units increases towards the Perseus and Boss Mountain Anticlines. The age of metamorphism is considered to be Late Jurassic to early Cretaceous.

The MacKay River valley marks a major zone of vertical or near vertical fracturing. Here the Upper Triassic Quesnel River Group is between two (more) competent units; younger intrusives and volcanoclastics to the south; and older amphibolite, schists, and gneisses to the north and east. In order to change from upright to overturned limb, shearing and faulting have been concentrated in the incompetent phyllite units striking along the valley (Campbell, 1989).



(from Bloodgood, 1987)

EUREKA RESOURCES INC.			
FRASERGOLD PROJECT			
REGIONAL GEOLOGY			
PROJECT 84-72C	DRAWN	DATE Nov. 1987	FIGURE 7
Revised		N.T.S. 93 A	
K.V. CAMPBELL & ASSOCIATES LTD.			

3.2 Main Zone

The Frasergold Main Zone refers to the 3.2km portion of a longer zone of geochemically anomalous, gold-bearing soils. It lies on the upright limb of the Eureka Syncline which here dips 50-55° to the southwest.

3.2.1 Lithology

A thick sequence of dark gray to black lustrous phyllite with Fe-bearing carbonate porphyroblasts (**kp**) underlies most of the property and is at least 200m thick. Minor intercalations of dark gray to black phyllite without porphyroblasts (**gp**), thin layers and lenses of light gray massive to phyllitic siltstone (**slst**), and thin lenses of black lmst (**lmst**) occur within the knotted phyllite unit. Underlying this is a thick sequence of silty and locally calcareous phyllite (125m with no base exposed) referred to as the black banded phyllite (**bbp**). The black banded phyllite is the lowest unit exposed and drilled on the property. At or near the base of the knotted phyllite unit is a pale carbonate-quartz-sericite-schist which is possibly metavolcaniclastic and referred to here as a **tuff** (Campbell, 1989).

Along two roadcuts in the Grouse Creek East Zone an andesite dike (**dike**) is exposed (L68+50E). The 1.8m wide dike forms a sharp, near vertical (234°/83°N) contact with the knotted phyllite. The southeast contact is a straight plane that has been sheared (forming anastomosing shears near top of outcrop). The northwest contact is lithologically sharp but irregular in nature. The dike is pale green when fresh, weathering quickly to light brown and limonite. The primary composition appears to have broken down to clay minerals. The phenocrysts are predominantly composed of chlorite that are locally aligned. A few small biotite phenocrysts are sometimes present. The ground mass is calcareous, up to 10% calcite crystals, and sericitic. Disseminated pyrite is found throughout but becomes sparser and finer away from the contacts. In drilling, the dike was intersected in two holes: i) R91-265A on L64+14E at an apparent depth of 72.0-76.0m and ii) R91-269 on L68+50E at an apparent depth of 63.0-105.0m and again at 151.5-157.5m. Due to the distance between drill holes it is thought there is probably more than one dike present.

At the northwest end of the geochemical anomaly the knotted phyllite is relatively thin (apparent thickness < 81m) or absent as evidenced in drill core. The predominant unit is gray phyllite (**gp**) that is locally siliceous and calcareous with minor interbedded black limestone. A thin unit of **tuff** was intersected in two diamond drill holes.

3.2.2 Structure

Both cross faults and faults sub-parallel to the regional strike have been seen on surface and underground. Cross faults truncate and disrupt quartz veins, particularly the wider ones, but are not thought to be very significant. Steep, southwesterly dipping faults and shear zones occupy the hinge zone and lower limb region of asymmetric folds (Campbell, 1989).

See Table 3 for deformational history.

Table 3. Deformational History by Read (1988) and Campbell (1984,1986,1987)

READ	CAMPBELL
Identified:	Identified:
<p>First Phase Deformation: intense transposition of bedding to 1st phase foliation. Grouped and called bedding - SO.</p>	<p>Bedding - SO, transposed to and mostly obliterated by S1.</p>
<p>Second Phase Deformation: produced Z folds with axial plane schistosity - S1 = 57°SW +/- 05°/ 132°. Dip ranges from 50-75°SW. Fold axes plunge 09° to 308°. Minor folds show no change in vergence; ie. no S-shaped folds recognized.</p>	<p>S1 - axial plane schistosity of F1 or mainphase folds. These are equivalent to Read's regional Phase II folds. These folds have a Z-shape, with steep overturned limb which is locally faulted and closely approximates later crenulation cleavage (S2). S1 = 55-60°SW/130°, dip ranges from about 30 to 80°. Fold axes plunge 10-20° to 310°. Wavelength about 10m.</p>
<p>Wavelength of 10-30m, amplitude 5-50m.</p>	
<p>Third Phase Deformation: sporadically developed mesoscopic folds with a profile, as viewed to northwest. No map scale folds.</p>	<p>S2 - finely spaced crenulation cleavage, 68-85°SW/ 130°. Seen in a few places clearly crenulating S1 (1987, Figure 2), parallel to later faults. Crenulations of S1 by S2 plunge 10° towards 290-300°, as do some quartz mullions and folded quartz veins.</p>
<p>-----</p>	<p>S3 - coarse crenulation cleavage = 60-70°SW/160-170°.</p>
<p>-----</p>	<p>Kink folds, plunge 40° to southwest.</p>
Concluded:	Concluded:
<p>A) Preferred model requires a duplication by large overturned fold(s).</p>	<p>A) Main phase folds (F1, plunge 10° to 310°) and their axial plane schistosity (S1, dip 55-60°SW) have been crenulated rotated by a steeper crenulation cleavage. (S2, dip 68-85°SW) which is well developed in zones of deformation.</p>
<p>B) Gold-bearing zones plunge about 10° to about 310°.</p>	<p>B) The fold axes of quartz veins and quartz mullions which have been rotated by S2 plunge 10° to 300°, slightly west of the fold axes of F1 folds. Gold-enriched values are associated with this slightly younger phase of deformation.</p>

Table 3. Continued Deformational History

READ

CAMPBELL

- C) S2 has arisen in axial plane of F1 folds, subparallel to the overturned limbs of F1 folds and has been a focus of cleavage, shearing, quartz emplacement, faulting and possibly gold-enrichment.
- D) The controls on gold mineralization are firstly stratigraphic (within the knotted phyllite unit) and secondly structural; being concentrated in quartz-rich movement zones dipping 68-85°SW. Within these zones additional gold-enrichment is localized in quartz vein fold hinges and in other quartz tectonites. These plunge 10° to about 300°.

3.2.3 Mineralization

Particulate gold mineralization occurs primarily in quartz segregations such as stringers, veins, boudins, and mullions. Visible gold has been seen in many samples, commonly fine anhedral grains set in quartz often near the margins of veins. Gold smears are found on phyllites in minor fold hinges, leading to the speculation that gold continued to migrate throughout the stages of main phase folding.

Pyrite and pyrrhotite occur in medium to coarse grained clots within veins and along the margins. It is often closely associated with coarse-grained, creamy white dolomite-siderite which weathers orange-brown. In many places finer grained sulphides are intercrystalline to the tightly packed carbonate grains.

Quartz originated through secretions or mobilized 'sweats' and metamorphic differentiation. The quartz in the metasediments is considered to have a sedimentary origin. Source rocks were probably the Hadrynian and Palaeozoic sediments and volcanics of the Omineca Crystalline Belt that lies immediately east of the property (Campbell, 1989).

3.3 Eureka Peak Zone

3.3.1 History

The Eureka Peak Zone is located on the Mac 2 and Archimedes 1 and 2 Fractions, 2.5-3km northwest of the Frasergold Main Zone. In 1985, geochemical soil sampling indicated anomalous gold values up to 730ppb Au (Kerr, 1985). In 1988, more detailed soil sampling outlined an anomaly over an area 450 by 225m, with values up to 1,650 ppb Au (Rowan, 1989).

Hand-dug trenches provided 27 chip samples over 1m intervals on the highly anomalous soils. Following this, 6 NQ diamond drill holes were drilled at 3 sites (Campbell, 1989). In 1990 2 reverse circulation holes were drilled at 2 sites (see Appendix II).

3.3.2 Geology

The rocks underlying the Eureka Peak Zone belong to the Late Triassic to Early Jurassic Takla Group. These volcanic rocks are a succession of metabasalt, augite porphyry flows, tuffs, and volcanic breccias (Bloodgood, 1987a). Low-grade metamorphism has affected the entire unit, resulting in the growth of chlorite, tremolite-actinolite, and rarely biotite. These rocks have also been folded by the Eureka Syncline and dip at moderate angles to the northwest (Bloodgood, 1987b).

The predominant rock types encountered in drill core are coarse pyroxenite partially

replaced by metamorphic tremolite and calcite, coarse amphibolite completely pseudomorphed by an assemblage of tremolite, actinolite, epidote, calcite, and chlorite, and a calcareous meta-tuff.

Mineralization occurs in the meta-tuffs and consists of fine to coarse-grained pyrite and pyrrhotite disseminations, laminations, and clots over a core length of approximately 15m. Laminae and thin beds of fine-grained light limestone, parallel to foliation of the chlorite schist and sulphide laminae, are often found within drill core that showed significant values. Locally sulphides comprise half the rock.

The structural geology is not known at the Eureka Peak Zone but bedding is shown to be quite irregular with dips to the northwest, west, and south (Bloodgood, 1987b).

4. CONCLUSIONS AND RECOMMENDATIONS

Historical development of the property (1983-1991) has indicated the presence of economic deposits of gold that may be amenable to open-pit mining within a 3.2km strike length of the favourable lithology. Previous drilling, soil geochemistry and geological mapping have indicated the existence of the favourable lithology over an additional 1.5km to the northwest and 2.5km to the southeast.

Given the coarse particulate nature of the gold there is a large variation in grade from drill section to drill section along the strike length of the geochemical anomaly. It has also given rise to a "nuggetting" effect.

The 1993 drill program is the initial phase of a bulk sample program to establish by drilling and bulk sampling a confidence in the relationship of drill assay data to the true content of gold in rock. Geostatistics has suggested that 1500-3000ton bulk samples are required to provide a confidence level of plus or minus 20%. The 1993 drill program has drilled out two areas of bulk sampling at centres of 6m that can provide bulk samples of the required size.

Specific conclusions arising from the program objectives cannot be derived until results of the milling of drill samples and bulk sampling program have been completed.

The two areas were selected on the basis of interpreted blocks of ore from previous drilling. The 1993 drilling confirmed the presence of the ore blocks, however the program also confirmed that assay results from one hole can be very erratic and cannot be used to assign, with confidence, the average grade of specific ore blocks.

5. COST STATEMENT

DRILLING

Reverse Circulation Drilling - Midnight Sun		
Mobilization-Demobilization Whitehorse, YT - Frasergold property	11,192.20	
1,020m @ \$54.81/m (all inclusive)	55,907.84	67,100.04

GEOLOGIST

M. Schatten - 25 days @ \$220/day	5,500.00	5,500.00
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SAMPLER

D. Mason - 22 days @ \$143/day	3,146.00	3,146.00
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SURVEYING

Rathbone & Goodrich	2,432.26	2,432.26
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DRILL SITE PREPARATION & ROADS

Excavator		
12 hours @ \$85/hour + GST	1,091.40	
Coombes Lowbed Services	888.10	1,979.50

ASSAYS & ANALYTICAL

324 samples @ \$18.50/sample	5,994.00	5,994.00
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PROJECT MANAGEMENT

J. Kerr		
6 days @ \$350/day	2,100.00	
L. Manning	1,748.37	
W. Gruenwald		
26 days @ \$330/day	9,240.00	13,088.37

ROOM & BOARD

Motel		
8 man days @ \$60/day	480.00	
Meals		
16 meals @ \$8/meal	128.00	
Jacobson Bros. logging camp		
88 man days @ \$50/day	4,400.00	
11 meals @ \$10/meal	110.00	5,118.00

VEHICLE RENTAL

21 days @ \$55/day	1,155.00	
12 days @ \$40/day	480.00	
6 days @ \$20/day	120.00	
2000km @ \$.25/km	500.00	
900km @ \$.10/km	90.00	
Insurance	180.00	2,525.00

(continued next page)

MISCELLANEOUS SUPPLIES

Field supplies	780.00	
Sample bags		
856 @ \$4.31/bag		
(includes freight, duty, exchange)	3,536.36	
Sample shipment	1,525.61	
Communications	100.00	
Miscellaneous rentals	225.00	
Miscellaneous purchases & services	423.30	
Fuel	1,000.00	7,743.27

COMPILATION & REPORT

Oct 20 - Oct 27, 1993		
Report preparation (data entry, drafting)		
M. Schatten		
7.5 days @ \$220/day	1,650.00	
Photocopies, printing	100.00	1,850.00

TOTAL EXPENSES

\$116,476.44

PRORATE AS TO AMOUNT OF DRILLING TO VARIOUS CLAIMS

55% of \$116,476.44 to Kay 10	\$64,062.04
45% of \$116,476.44 to Kay 11	\$52,414.40

6. BIBLIOGRAPHY

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7. STATEMENT OF QUALIFICATIONS

I, MYRA G. SCHATTEN, resident of Calgary, Province of Alberta, hereby certify as follows:

1. I am a contract geologist currently employed by Eureka Resources, Inc. at 837 East Cordova, Vancouver, B.C..
2. I was actively involved as a field geologist on the Frasergold property during the 1993 drill program and assisted in the collection of the data referred to in this report.
3. I graduated from the University of Alberta, Edmonton, Alberta, B.Sc. Geology, 1987. I have been actively involved in mineral exploration since 1987.

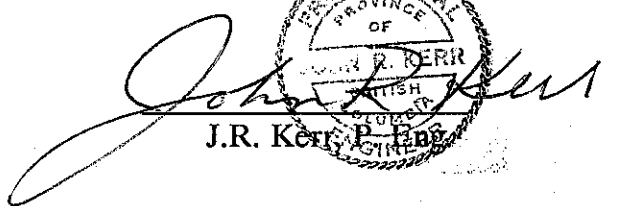
DATED at Vancouver, Province of British Columbia this 27th day of October, 1993.

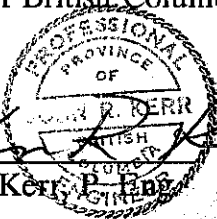

M.G. Schatten, B.Sc.
Geologist

I, JOHN R. KERR, of Vancouver, British Columbia, do hereby certify that:

1. I am a member of the Association of Professional Engineers of British Columbia and a Fellow of the Geological Association of Canada.
2. I am a geologist employed by Eureka Resources Inc. of 837 East Cordova Street, Vancouver, B.C..
3. I am a graduate of the University of British Columbia (1964) with a B.A.Sc. degree in Geological Engineering.
4. I have practised my profession continuously since graduation.
5. I supervised and assisted in the collection of the data as compiled in this report. I have reviewed the contents of this report which is based on the aforementioned data, and supervised the compilation and authorship by M. Schatten. I verify the costs as reported to be true.
6. I am an officer and director of Eureka Resources Inc. and hold a direct and indirect interest in the securities of this company.

DATED at Vancouver, Province of British Columbia this 27th day of October, 1993.


J.R. Kerr, P. Eng.



APPENDIX I

DRILL LOGS

DIAMOND DRILL RECORD

 PROPERTY FRASERGOLD

 HOLE No. R93276

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

 Hole Size 5 1/4" RC
 Angle of Hole -49°
 Claim KAY 10
 Section 55+08 E
 Bearing 040°

 Total Depth 60.0m
 % Recovery
 Elev. Collar 1537.7m
 Latitude
 Departure -1+90.6 N

 Sheet No 1 of 2
 Logged by M. SCHATEN
 Date Begun SEPT 12, 1993
 Date Finished SEPT 13, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m)		% QZ REC/OVERY	LITH EST. GRADE	Sample No.	ASSAYS					
			FROM	TO				Au oz/t					
		OVERBURDEN - NOT CASED	0	7.9									
TR-1% STRINGER PY + PO		QZ VEINING BOTTOM HALF.	36.0	37.5	35	KP	18069	.077					ASSAY
TR PY		ROD CHANGE @ 39.0m	37.5	39.0	2		18070	.011					
TR-1% STRINGER PY		INTERMITTANT QZ VEINING. CARBONATE CLOTS	39.0	40.5	20		18071	.003					
		FEW CARBONATE CLOTS.	40.5	42.0	3		18072	.001					
TR PY + PO			42.0	43.5	2		18073	.003					
		WELL KNOTTED.	43.5	45.0	1		18074	.002					
TR PY SMEARS		WELL KNOTTED	45.0	46.5	2		18075	.004					ASSAY + MILL
TR PY		WELL KNOTTED	46.5	48.0	3		18076	.009					
1% PY, TR PO		CARBONATE CLOTS W/ SULPHIDES. * LOOK @ W/ SCOPE.	48.0	49.5	30		18077	.006					

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD

HOLE No. R93277

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Hole Size 5 1/4" RC
 Angle of Hole -53.5°
 Claim.....
 Section 55+DBE
 Bearing 040°

Total Depth 60.0m
 % Recovery.....
 Elev. Collar 1537.0m
 Latitude.....
 Departure -192.3N

Sheet No 1 of 2
 Logged by M. SCHATTEN
 Date Begun SEPT 13, 1993
 Date Finished SEPT 14, 1993
 Core Stored At.....

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m)		% QZ REC. QVRY	LITH EST. GRADE	Sample No.	ASSAYS		
			FROM	TO				Au		
		OVERBURDEN - NOT CASED	0	5						
1% Py + Po		INTERMITTANT QZ VEINING. TR CHLORITE.	36.0	37.5	20	KP	18085	.002		ASSAY
TR Py + Po		WELL KNOTTED	37.5	39.0	2		18086	.002		
TR Py + Po		WELL KNOTTED	39.0	40.5	TR		18087	.002		
TR Py + Po		FEW CARBONATE CLOTS	40.5	42.0	3		18088	.007		
TR Py		WELL KNOTTED.	42.0	43.5	TR		18089	.012		MILL & ASSAY
TR-1% Py + Po		FEW CARBONATE CLOTS.	43.5	45.0	10		18090	.007		
TR-1% Py + Po		AS ABOVE.	45.0	46.5	15		18091	.043		
1% Py + Po		CARBONATE CLOTS W/ SULPHIDES.	46.5	48.0	12		18092	.004		
1% Py + Po		CARBONATE CLOTS W/ SULPHIDES. TR CHLORITE.	48.0	49.5	30		18093	.012		

DIAMOND DRILL RECORD

 PROPERTY FRASERGOLD

 HOLE No. R9327B

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

 Hole Size 5 1/4" RC
 Angle of Hole -59.5°
 Claim KAY 10
 Section 55+08E
 Bearing D40°

 Total Depth 52.5m
 % Recovery
 Elev. Collar 1537.6m
 Latitude
 Departure -1493.5N

 Sheet No 1 of 2
 Logged by M. SCHATTEN
 Date Begun SEPT 14, 1993
 Date Finished SEPT 15, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m)		% QTZ REC- OVERY	LITH EST. GRADE	Sample No.	ASSAYS					
			FROM	TO				Au GZ/E					
		OVERBURDEN - NOT CASED	0	2.4									
TR-1% P7+P6		SULPHIDES IN CARBONATE CLOTS, TR CHLORITE ON QTZ. NARROW VEINS.	37.5	39.0	15	KP	18101	.006					ASSAY
TR P7		WELL KNOTTED. FEW LIMONITIC FRAGS	39.0	40.5	TR	KP	18102	.004					MILL ASSAY
TR-1% P7+P6		NARROW QTZ VEINS BOTTOM HALF. QTZ LOCALLY LIMONITIC	40.5	42.0	7	KP	18103	.009					
TR-1% P7+P6		NARROW INTERMITTANT VEIN. TR LIMONITE	42.0	43.5	25	KP	18109	.556					
TR P7+P6		QTZ LOCALLY LIMONITIC. TR CHLORITE	43.5	45.0	30	KP	18105	.027					
TR-1% P7		KNOTS LOCALLY RUSTY. FEW CARBONATE CLOTS.	45.0	46.5	5	KP	18106	.029					
TR-1% P7+P6		FEW CARBONATE CLOTS IN QTZ w/ P7+P6.	46.5	48.0	7	KP	18107	.069					
TR P7		WELL KNOTTED	48.0	49.5	TR	KP	18108	.024					
TR P7+P6		FEW CARBONATE CLOTS w/ SULPHIDES	49.5	51.0	5	KP	18109	.036					END MILL

DIAMOND DRILL RECORD

 PROPERTY FRASER GOLD

 HOLE No. R93279

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

 Hole Size 5/4" RC
 Angle of Hole -46°
 Claim KAY 10
 Section SS+12E
 Bearing 090°

 Total Depth 60.0m
 % Recovery
 Elev. Collar 1537.8m
 Latitude
 Departure -1+90.7N

 Sheet No 1 of 2
 Logged by M. SCHATTEN
 Date Begun SEPT 15, 1993
 Date Finished SEPT 16, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOLOG.	DESCRIPTION	INTERVAL (m)		% QZ REC OVERY	LITH EST. GRADE	Sample No.	ASSAYS				
			FROM	TO				Au OZ/T				
		OVERBURDEN (CASED 6')	0	9.8								
TR-1% P4		CARBONATE CLOTS	39.0	40.5	10	KP	18111	2.001				ASSAY
TR P4		QZ LOCALLY LIMONITIC. FEW CARBONATE CLOTS	40.5	42.0	5	KP	18112	.005				
		WELL KNOTED	42.0	43.5	-	KP	18113	.001				
TR P4		FEW CARBONATE CLOTS	43.5	45.0	2	KP	18114	.002				
TR-1% P4 + P0		CARBONATE CLOTS w/ SULPHIDES	45.0	46.5	7	KP	18115	.012				
TR-1% P4 + P0		ABUNDANT CARBONATE CLOTS. TR CHLORITE ON QZ.	46.5	48.0	20	KP	18116	.025				
TR-1% P4 + P0		CARBONATE CLOTS	48.0	49.5	15	KP	18117	.009				MILL + ASSAY
TR P4		WELL KNOTED	49.5	51.0	1	KP	18118	.002				
TR P4		FEW NARROW QZ VEINS	51.0	52.5	2	KP	18119	.001				

DIAMOND DRILL RECORD

 PROPERTY FRASERGOLD

 HOLE No. R33280

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

 Hole Size 5 1/4" RC
 Angle of Hole -19°
 Claim KAY 10
 Section 55+11.9E
 Bearing 040°

 Total Depth 60.0m
 % Recovery
 Elev. Collar 1537.8m
 Latitude
 Departure -1+93.0 N

 Sheet No 1 of 2
 Logged by M. SCHATEN
 Date Begun SEPT 16, 1993
 Date Finished SEPT 17, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOLOG.	DESCRIPTION	INTERVAL (m)		% QZ REC. OVERY	LITH EST. GRADE	Sample No.	ASSAYS		
			FROM	TO				Au OZ/T		
		OVERBURDEN - CASED 6'	0	7.9						
TR PY		FEW CARBONATE CLOTS + CHLORITE IN QZ.	39.0	40.5	3	KP	18125	<.001		ASSAY
TR PY		WELL KNOTTED.	40.5	42.0	1	KP	18126	<.001		
		WELL KNOTTED.	42.0	43.5	-	KP	18127	.002		
TR PY		FEW VISIBLE KNOTS.	43.5	45.0	TR	KP	18128	.016		
TR - 1/2% PY		QZ VEINS BOTTOM HALF W/ CARBONATE CLOTS + TR CHLORITE.	45.0	46.5	7	KP	18129	.019		MILL
TR - 1% PY + P0		QZ VEINING. TR CHLORITE. FEW CARBONATE CLOTS.	46.5	48.0	20	KP	18130	.021		↓
TR - 1% PY + P0		STRONG QZ VEINING W/ CARBONATE CLOTS.	48.0	49.5	35	KP	18131	.006		
1-2% PY + P0		QZ VEINING DECREASED, FEW KNOTS, CARBONATE CLOTS.	49.5	51.0	12	KP	18132	.003		
TR - 1% PY + P0		MINOR QZ VEINING, FEW KNOTS.	51.0	52.5	5	KP	18133	.014		

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD

HOLE No. R93281

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size 5 1/4" RC
 Angle of Hole -54.5°
 Claim KAY 10
 Section 55+11:BE
 Bearing 040°

Total Depth 60.0m
 % Recovery
 Elev. Collar 1537.8m
 Latitude
 Departure -1494.4N

Sheet No 1 of 2
 Logged by M. SCHATTEN
 Date Begun SEPT 17, 1993
 Date Finished SEPT 18, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m)		% QZ RECOVERY	LITH EST. GRADE	Sample No.	ASSAYS		
			FROM	TO				Au		
		OVERBURDEN - NOT CASED	0	5.2						
TR P4		WELL KNOTED	39.0	40.5	TR	KP	18139	.016		ASSAY
TR P4		SMALL CARBONATE CLOTS.	40.5	42.0	1		18140	.016		
TR - 1/2% P4 + P0		FEW CARBONATE CLOTS. TR CHLORITE + LIMONITE ON QZ.	42.0	43.5	7		18141	.027		MILL + ASSAY
1/2 - 1 1/2 P4 + P0		ABUNDANT CARBONATE IN QZ W/ SULPHIDES, CHLORITE ON QZ.	43.5	45.0	15		18142	.026		
TR - 1 1/2 P4 + P0		STRONG VEINING BOTTOM HALF W/ CARBONATE CLOTS + CHLORITE.	45.0	46.5	30		18143	.024		
1/2 - 1 1/2 P4 + P0		INTERMITTANT VEINING W/ CARBONATE CLOTS, SULPHIDES + LOCAL CHLORITE + LIMONITE.	46.5	48.0	17		18144	.021		
TR - 1 1/2 P4 + P0		FEW CARBONATE CLOTS	48.0	49.5	5		18145	.002		
TR P4		WELL KNOTED.	49.5	51.0	1		18146	.004		
TR - 1 1/2 P4 + P0		NARROW VEINS W/ FEW CARBONATE CLOTS.	51.0	52.5	12		18147	.016		

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD

HOLE No. R932B1

SHEET No. 2 of 2

TEXTURE, ALTER'N. MINERALIZATION ETC.	GRAPH. GEOLOG.		INTERVAL		LITH 1	% QTB LITH 2	DESCRIPTION	RECO- VERY	SAM- PLE No.	ASSAYS			
			FROM	TO						Au	MAU	Other A	
1% Py + Po			52.5	54.0	KP	20	NARROW VEINS W/ SOME CARBONATE CLOTS + SULPHIDES		18148	.007			
1% Py + Po			54.0	55.5	KP	5	NARROW VEINS W/ ABUNDANT CARBONATE CLOTS + SULPHIDES.		18149	.010			
TR - 1/2% Py + Po, TR CPY			55.5	57.0	KP	1	WELL KNOTTED MINOR QTB @ TOP		18150	.001			
			57.0	58.5	KP	TR	WELL KNOTTED.		18157	.001			END MILL
TR Py			58.5	60.0	KP	TR	WELL KNOTTED.		18152	<.001			
<u>EOH 60.0m</u>													

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD RC

HOLE No. R33282

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Hole Size 5/8"
 Angle of Hole -48°
 Claim KAM10
 Section 55+04.1E
 Bearing 040°

Total Depth 60.0m
 % Recovery
 Elev. Collar 1537.7m
 Latitude
 Departure -1488.4N

Sheet No 1 of 2
 Logged by M. SCHAFFEN
 Date Begun SEPT 18, 1993
 Date Finished SEPT 19, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m)		% QZ REC/OVERY	LITH EST. GRADE	Sample No.	ASSAYS		
			FROM	TO				Au		
		OVERBURDEN	0	9.1						
TR-1% Py+Po		SMALL QZ VEINS W/ CARBONATE CLOTS + CHLORITE.	39.0	40.5	35	KP	18153	.001		ASSAY
TR PY		TR RUSTY. WELL KNOTTED.	40.5	42.0	1	KP	18154	<.001		
TR PY + Po		FEW CARBONATE CLOTS IN QZ.	42.0	43.5	5	KP	18155	<.001		
1/2-1% Py+Po		NARROW QZ VEINS W/ CARB CLOTS + SULPHIDES. TR CHLORITE.	43.5	45.0	17	KP	18156	.002		
1/2-1% Py+Po		CARBONATE CLOTS.	45.0	46.5	10	KP	18157	.011		
1/2-1% Py+Po		VENING OVER INTERVAL W/ FEW DOLOMITE CLOTS. TR CHLORITE.	46.5	48.0	25	KP	18158	.006		MILL & ASSAY
1/2-1% Py+Po		AS PREVIOUS	48.0	49.5	10	KP	18159	.002		
TR PY		FEW KNOTS	49.5	57.0	TR	KP	18160	.003		
TR PY + Po		QZ @ BOTTOM W/ FEW CARBONATE CLOTS	57.0	52.5	4	KP	18161	2.001		

DIAMOND DRILL RECORD

 PROPERTY FRASERGOLD

 HOLE No. R93 282

 SHEET No. 2 of 2

TEXTURE, ALTER'N. MINERALIZATION ETC.	GRAPH. GEOLOG.		INTERVAL		LITH 1	% OTZ LITH 2	DESCRIPTION	RECO- VERY	SAM- PLE No.	ASSAYS			
			FROM	TO						Au	MAu	Other A	
1/2% P ₄ + P ₆			52.5	54.0	KP	7	OTZ VEINING TOP HALF W/ FEW CARB CLOTS + SULFIDES		18162	.013			
1% P ₄ + P ₆			54.0	55.5	KP	27	VEINING OVER INTERVAL W/ CARB CLOTS + SULFIDES.		18163	.007			
TR-1/2% P ₇ - P ₆			55.5	57.0	KP	8	INTERMITTANT VEINING W/ CARBONATE CLOTS		18164	.011			
TR-1% P ₄ + P ₆			57.0	58.5	KP	10	AS PREVIOUS		18165	<.001			
TR P ₄			58.5	60.0	KP	TR	WELL KNOTTED		18166	.008			END MILL
							<u>EDH 60.0m</u>						

DIAMOND DRILL RECORD

 PROPERTY FRASER GOLD

 HOLE No. R93283

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

 Hole Size 5/4" RC
 Angle of Hole -5.5°
 Claim KM 10
 Section 55+04 E
 Bearing 040°

 Total Depth 60.0m
 % Recovery
 Elev. Collar 1537.6m
 Latitude
 Departure -1+90.7N

 Sheet No 1 of 3
 Logged by M. SCHAFFER
 Date Begun SEPT 19, 1993
 Date Finished SEPT 19, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m)		% QTZ REC. OVERY	LITH EST. GRADE	Sample No.	ASSAYS		
			FROM	TO				Au		
		OVERBURDEN - NOT CASED	0	7.9						
		RUSTY QTZ + PHYLITE	9.0	10.5	35	KP	18167	<.001		ASSAY
		FEW RUSTY KNOTS	10.5	12.0	TR	KP	18168	<.001		
		RUSTY QTZ + KNOTS	12.0	13.5	1	KP	18169	.034		
		FEW RUSTY KNOTS + PARTINGS	13.5	15.0	-	KP	18170	<.001		
TR P9		WELL KNIGHTED	15.0	16.5	-	KP	18171	<.001		
TR P9		FEW RUSTY PARTINGS	16.5	18.0	TR	KP	18172	<.001		
		FEW RUSTY PARTINGS + KNOTS	18.0	19.5	-	KP	18173	<.001		
TR P9		LIMONITIC QTZ	19.5	21.0	10	KP	18174	<.001		
TR-1/2% P4+P.		NARROW QTZ VEINS w/ CARBONATE CLOTS, SULPHIDES + LOCAL CHLORITE	21.0	22.5	10	KP	18175	.005		

DIAMOND DRILL RECORD

 PROPERTY FRASERGOLD

 HOLE No. R93283

 SHEET No. 2 of 3

TEXTURE, ALTER'N. MINERALIZATION ETC.	GRAPH. GEOLOG.	INTERVAL		LITH 1	% QTZ LITH 2	DESCRIPTION	RECO- VERY	SAM- PLE No.	ASSAYS				
		FROM	TO						Au	MAU	Other A		
TR-1% P ₄ + P ₀		22.5	24.0	KP	10	NARROW VEINS w/ CARBONATE CLOTS, SULPHIDES, TR. CHLORITE		18176	<.001				
TR-1% P ₄ + P ₀		24.0	25.5	KP	10	AS PREVIOUS		18177	<.001				
TR P ₄		25.5	27.0	KP	TR	WELL KNOTTED		18178	<.001				
1/2-1% P ₄ + P ₀		27.0	28.5	KP	20	INTERMITTANT VEINING w/ CARBONATE CLOTS + SULPHIDES		18179	.005				
TR P ₄		28.5	30.0	KP	-	FEW RUSTY FLAKES		18180	<.001				
TR P ₄		30.0	31.5	KP	-	WELL KNOTTED		18181	<.001				
TR P ₄		31.5	33.0	KP	TR	WELL KNOTTED		18182	<.001				
TR-1/2% P ₄ + P ₀ * 1/4		33.0	34.5	KP	45	INTERMITTANT LARGE, LIMONITIC QTZ VEINS w/ FEW CARBONATE CLOTS		18183	.566				
1/2-1% P ₄ + P ₀ * 1/6		34.5	36.0	KP	40	LARGE QTZ VEINS w/ FEW CARBONATE CLOTS + SULPHIDES, LOCAL LIMONITE.	<V6	18184	.583				
TR-1/2% P ₄ + P ₀		36.0	37.5	KP	5	FEW DOLOMITE CLOTS + SULPHIDES		18185	.002				
TR P ₄		37.5	39.0	KP	TR	WELL KNOTTED		18186	.005				
TR-1% P ₄ + P ₀		39.0	40.5	KP	16	VEINING BOTTOM HALF w/ FEW CARB CLOTS + SULPHIDES		18187	<.001				
TR-1% P ₄ + P ₀		40.5	42.0	KP	7	VEINING TOP HALF. FEW CARB CLOTS.		18188	<.001				

DIAMOND DRILL RECORD

 PROPERTY FRASER GOLD

 HOLE No. R93283

 SHEET No. 3 of 3

TEXTURE, ALTER'N. MINERALIZATION ETC.	GRAPH. GEOLOG.	INTERVAL		LITH 1	% QZ LITH 2	DESCRIPTION	RECO- VERY	SAM- PLE No.	ASSAYS			
		FROM	TO						Au	MAu	Other A	
TR P ₁ + P ₀		42.0	43.5	KP	-	WELL KNOTTED		18189	<.001			
TR P ₁		43.5	45.0	KP	-	WELL KNOTTED		18190	<.001			MILL ASSAY
TR-1/2 P ₁ + P ₀		45.0	46.5	KP	8	VENING BOTTOM HALF w/ CARBONATE CLOTS		18191	.002			
1/2-1/2 P ₁ + P ₀ *		46.5	48.0	KP	30	STRONG QZ VEINING TOP HALF.		18192	.002			
TR P ₁ + P ₀		48.0	49.5	KP	7	FEW CARBONATE CLOTS. TR CHLORITE.		18193	.002			
1/2-1/2 P ₁ + P ₀		49.5	51.0	KP	8	NARROW VEINS w/ CARBONATE CLOTS.		18194	.007			
TR P ₁		51.0	52.5	KP	-	WELL KNOTTED		18195	.003			
1/2 P ₁ + P ₀		52.5	54.0	KP	10	INTERMITTANT VEINING w/ FEW CARB CLOTS. TR CHLORITE		18196	.002			
1/2-1/2 P ₁ + P ₀		54.0	55.5	KP	8	NARROW VEINS w/ CARB CLOTS.		18197	<.001			
TR P ₁ + P ₀		55.5	57.0	KP	3	MINOR QZ @ BOTTOM		18198	.002			END MILL
1/2-1/2 P ₁ + P ₀		57.0	58.5	KP	10	NARROW QZ VEINS w/ FEW CARB CLOTS. TR CHLORITE		18199	.074			
TR P ₁		58.5	60.0	KP	TR	WELL KNOTTED		18200	.002			
						EDH 60.0 m						

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD

HOLE No. R93284

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Hole Size 5/8" RC
 Angle of Hole 56.5°
 Claim KAY ID
 Section SS+OE
 Bearing

Total Depth 60.0m
 % Recovery
 Elev. Collar 1537.7m
 Latitude
 Departure -1492.1m

Sheet No 1 of 2
 Logged by M. SCHATTEN
 Date Begun SEPT 20, 1993
 Date Finished SEPT 20, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m)		% QZ RECOVERY	LITH EST. GRADE	Sample No.	ASSAYS		
			FROM	TO				AU		
		OVERBURDEN	0	3						
		WELL KNOTTED	31.5	33.0	3	KP	18201	1.001		
TR P4		WELL KNOTTED	33.0	34.5	-	KP	18202	1.001		
TR P4		LARGE QZ VEIN - LIMONITIC	34.5	36.0	30	KP	18203	.064		
1/2% P4+P0		INTERMITTANT NARROW VEINS TR CHLORITE	36.0	37.5	25	KP	18204	.008		
1% P4+P0		NARROW VEINS w/ CARBONATE CLOTS + SULPHIDES TR CHLORITE	37.5	39.0	20	KP	18205	.042		
		WELL KNOTTED	39.0	40.5	TR	KP	18206	.037		MILL + ASSAY
TR P4+P0		WELL KNOTTED	40.5	42.0	TR	KP	18207	.001		
1% P4+P0		INTERMITTANT VEINING w/ CARB. CLOTS	42.0	43.5	20	KP	18208	.021		
1% P4+P0		AS PREVIOUS	43.5	45.0	15	KP	18209	.026		

DIAMOND DRILL RECORD

 PROPERTY FRASER GOLD

 HOLE No. R 93284

 SHEET No. 2 of 2

TEXTURE, ALTERN. MINERALIZATION ETC.	GRAPH. GEOL.	INTERVAL		LITH 1	% QZ LITH 2	DESCRIPTION	RECO- VERY	SAM- PLE No.	ASSAYS				
		FROM	TO						Au		MAu	Other A	
TR - 1/2% P ₄ + P ₀		45.0	46.5	KP	7	NARROW VEINS		18210	.020				
1/2% - 1% P ₄ + P ₀		46.5	48.0	KP	5	CARBONATE CLOTS W/ SULPHIDES		18211	.016				
TR - 1% P ₁ + P ₀		48.0	49.5	KP	3	FEW CARBONATE CLOTS.		18212	.017				
1/2 - 1% P ₁ + P ₀		49.5	57.0	KP	TR	WELL KNOTTED		18213	.016				
1% P ₄ + P ₀		57.0	52.5	KP	10	CARBONATE CLOTS W/ SULPHIDES.		18214	.014			END MILL	
TR - 1% P ₄ + P ₀		52.5	59.0	KP	10	FEW CARBONATE CLOTS.		18215	.018				
TR - 1% P ₄ + P ₀		59.0	55.5	KP	7	FEW CARBONATE CLOTS		18216	.006				
TR P ₄		55.5	57.0	KP	-	WELL KNOTTED		18217	.002				
TR - 1% P ₄ + P ₀		57.0	58.5	KP	15	CARBONATE CLOTS + SULPHIDES		18218	.021				
TR P ₄ + P ₀		58.5	60.0	KP	3	WELL KNOTTED		18219	.002				
						<u>END 60.0m</u>							

DIAMOND DRILL RECORD

 PROPERTY FRASER GOLD

 HOLE No. R93285

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

 Hole Size 5 1/4" RC
 Angle of Hole -49°
 Claim KAY II
 Section 59+38.1E
 Bearing 090°

 Total Depth 45.0m
 % Recovery
 Elev. Collar 1517.6m
 Latitude
 Departure -2+57.8N

 Sheet No. 1 of 2
 Logged by M. SCHAFEN
 Date Begun SEPT 20, 1993
 Date Finished SEPT 21, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m)		LITH REC. OVERY	% QZ EST. GRADE	Sample No.	ASSAYS		
			FROM	TO				Ag		
		OVERBURDEN - NOT CASED	0	3.7						
TR-1% P4+P0		QZ w/ FEW CARB CLOTS & LOCAL LIMONITE	24.0	25.5	KP	15	18220	.006		
TR P4+P0		NARROW VEIN w/ FEW CARB CLOTS. WELL KNOTED	25.5	27.0	KP	1	18221	.006		
TR-1% P4+P0		INTERMITTANT VEINING. FEW LIMON? FRAGS	27.0	28.5	KP	20	18222	.010		MILL + ASSAY
TR P4+P0		FEW LMST? FRAGS.	28.5	30.0	KP	1	18223	.057		
1% P4+P0		LARGE QZ VEIN @ BOTTOM, w/ SULPHIDES.	30.0	31.5	KP	45	18224	.076		
TR-1% P4+P0		FEW LIMON? FRAGS.	31.5	33.0	KP	2	18225	.004		
TR-1% P4+P0		FEW CARB CLOTS w/ SULPHIDES.	33.0	34.5	KP	10	18226	.004		
TR P4		SILTY, LIMON? FRAGS. FEW KNOTS.	34.5	35.0	KP/LMST?	1	18227	.003		
TR P4		SILTY.	35.0	36.5	KP	-	18228	.002		

DIAMOND DRILL RECORD

 PROPERTY FRASER GOLD

 HOLE No. R93 285

 SHEET No. 2 of 2

TEXTURE, ALTER'N. MINERALIZATION ETC.	GRAPH. GEOLOG.	INTERVAL		LITH 1	% OF LITH 2	DESCRIPTION	RECO- VERY	SAM- PLE No.	ASSAYS				
		FROM	TO						Au		MAu	Other A	
TR P ₉ + P ₀		37.5	39.0	KP	TR	TRACE SILTY. LOCAL LIMONITIC PARTINGS.		18229	.005			END	MILL
TR P ₉ + P ₀		39.0	40.5	KP	1	FEW KNOTS.		18230	.006				
TR - 1/2% P ₄		40.5	42.0	KP	1	FEW KNOTS.		18231	.008				
TR P ₉ + P ₀		42.0	43.5	KP	-	FEW LIMONITIC PARTINGS.		18232	.017				
TR - 1/2% P ₄ + P ₀		43.5	45.0	KP	5	NARROW VEINS w/ DOLOMITE CLOTS.		18233	.007				
						EOH 45.0m							

DIAMOND DRILL RECORD

 PROPERTY FRASER GOLD

 HOLE No. R93286

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

 Hole Size 5/8" RC
 Angle of Hole -51.5°
 Claim KAY II
 Section 59+38E
 Bearing 040°

 Total Depth 45.0m
 % Recovery
 Elev. Collar 1517.5
 Latitude
 Departure -2159.2N

 Sheet No 1 of 2
 Logged by M. SCHAFER
 Date Begun SEPT 21, 1993
 Date Finished SEPT 21, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m)		LITH REC. OVERY	% QZ EST. GRADE	Sample No.	ASSAYS					
			FROM	TO				Au	Ag	Cu	Other		
		OVERBURDEN - NOT CASED	0	2.4									
TR-1% P4 + P0		NARROW VEINS w/ CARB CLOTS + SULPHIDES,	22.5	24.0	KP	10	18234	.007					
1% P4 + P0		LOCAL LIMONITE ON QZ.	24.0	25.5	KP	5	18235	.008				MILL & ASSAY	
1% P4 + P0		WELL KNOTTED.	25.5	27.0	KP	3	18236	.022					
1% P4 + P0		INTERMITTANT VEINING w/ CARB CLOTS + SULPHIDES.	27.0	28.5	KP	10	18237	.008					
1% P4 + P0		AS PREVIOUS	28.5	30.0	KP	7	18238	.003					
1% P4 + P0		QZ VEINING BOTTOM HALF w/ CARB CLOTS + SULPHIDES.	30.0	31.5	KP	20	18239	.039					
TR-1% P4 + P0		WELL KNOTTED.	31.5	33.0	KP	1	18240	.006					
1% P4 + P0		STRONG VEINING TOP HALF w/ CARB CLOTS.	33.0	34.5	KP	20	18241	.002					
TR-1% P4 + P0		WELL KNOTTED	34.5	36.0	KP	-	18242	.006				END MILL	

DIAMOND DRILL RECORD

PROPERTY FRASER GOLD

HOLE No. R93286

SHEET No. 2 of 2

TEXTURE, ALTER'N. MINERALIZATION ETC.	GRAPH. GEOLOG.	INTERVAL		LITH 1	LITH 2	DESCRIPTION	RECO- VERY	SAM- PLE No.	ASSAYS		
		FROM	TO						Au	MAu	Other A
TR-1% P ₁ & P ₂		36.0	37.5	KP	TR	FEW KNOTS. SILTY.		18243	.001		
TR P ₁		37.5	39.0	KP	TR	FEW KNOTS.		18244	.009		
TR-1% P ₁ + P ₂		39.0	40.5	KP	-	WELL KNOTTED		18245	.005		
TR-1% P ₁ & P ₂		40.5	42.0	KP	TR	WELL KNOTTED		18246	.006		
1% P ₁		42.0	43.5	KP	-	FEW VISIBLE KNOTS. SILTY		18247	.016		
TR-1% P ₁		43.5	45.0	KP	-	SILTY.		18248	.003		
<u>END 45.0m</u>											

DIAMOND DRILL RECORD

 PROPERTY FRASERGOLD

 HOLE No. R93287

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

 Hole Size 5 1/4" RC
 Angle of Hole -61°
 Claim KAY 11
 Section 59+38.1E
 Bearing 040°

 Total Depth 40.5m
 % Recovery
 Elev. Collar 1517.5m
 Latitude
 Departure -261.3N

 Sheet No 1 of 2
 Logged by M. SCHATEN
 Date Begun SEPT 21, 1993
 Date Finished SEPT 21, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m)		LITH REC OVERY	% QTE EST. GRADE	Sample No.	ASSAYS		
			FROM	TO				AN		
		OVERBURDEN - NOT CASED, ON BEDROCK	0	0						
TR P4		WELL KNOTTED.	21.0	22.5	KP	-	18249	.001		ASSAY
TR P4		WELL KNOTTED.	22.5	24.0		-	18250	.002		MILL + ASSAY
TR P4		WELL KNOTTED.	24.0	25.5		-	18251	.006		
1% P4 + P0		VENING BOTTOM HALF W/ CARB CLOTS + SULPHIDES.	25.5	27.0		20	18252	.047		
1% P4 + P0		VENING OVER INTERVAL W/ CARB CLOTS + SULPHIDES.	27.0	28.5		20	18253	.078		
1% P4 + P0		NARROW VEINS OVER INTERVAL W/ CARB CLOTS + SULPHIDES.	28.5	30.0		8	18254	.007		
TR - 1% P4 + P0		MINOR QTE BOTTOM HALF.	30.0	31.5		3	18255	.003		
TR P4 + P0		WELL KNOTTED.	31.5	33.0		3	18256	.009		END MILL
TR P4 + P0		WELL KNOTTED.	33.0	34.5		-	18257	.002		

DIAMOND DRILL RECORD

 PROPERTY FRASER GRP.

 HOLE No. R93288

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

 Hole Size 5/4" RC
 Angle of Hole -6.9°
 Claim KM 11
 Section 59+39E
 Bearing 090°

 Total Depth 40.5m
 % Recovery
 Elev. Collar 1517.3m
 Latitude
 Departure -2+60.6 N

 Sheet No 1 of 2
 Logged by M. SOMMER
 Date Begun SEPT 22, 1993
 Date Finished SEPT 22, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m)		LITH. REC. OVERY	% QTZ EST. GRADE	Sample No.	ASSAYS					
			FROM	TO				Au					
		OVERBURDEN - NOT CASED	0	1.2									
TR P4		WELL KNOTTED	19.5	21.0	KP	TR	18262	.004					
TR P4+P0		FEW CARB CLOTS - TR CHLORITE.	21.0	22.5	KP	5	18263	.010				MILL ASSAY	
TR P4		WELL KNOTTED	22.5	24.0	KP	TR	18264	.003					
TR-1/2 P4+P0		WELL KNOTTED	24.0	25.5	KP	3	18265	.001					
1/2 P4+P0		VENING OVER INTERVAL W/ CARB CLOTS & SULPHIDES.	25.5	27.0	KP	30	18266	.006					
TR-1/2 P4+P0		NARROW VENS MAINLY TOP HALF.	27.0	28.5	KP	15	18267	.012					
TR-1/2 P4+P0		FEW CARB CLOTS W/ SULPHIDES	28.5	30.0	KP	5	18268	.004					
TR P4 P0		WELL KNOTTED	30.0	31.5	KP	TR	18269	.002					
TR-1/2 P4+P0		NARROW QTZ VENS @ BOTTOM W/ FEW CARB CLOTS.	31.5	33.0	KP	7	18270	.006				END MILL	

DIAMOND DRILL RECORD

 PROPERTY FRASER GOLD

 HOLE No. R93289

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

 Hole Size 5 1/4" RC
 Angle of Hole -58°
 Claim KAY II
 Section 59.34E
 Bearing 090°

 Total Depth 45.0m
 % Recovery
 Elev. Collar 1517.5m
 Latitude
 Departure -2+60.2N

 Sheet No 1 of 3
 Logged by M. SCHATTEN
 Date Begun SEPT 22, 1993
 Date Finished SEPT 22, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOLOG.	DESCRIPTION	INTERVAL (m)		LITH REC. OVERLY	% DTZ EST GRADE	Sample No.	ASSAYS		
			FROM	TO				Ag		
		OVERBURDEN - NOT CASED	0	2.1						
		RUSTY PHYLLITE + QTZ	3.0	4.5	KP	10	18276	<.001		ASSAY
TR P4		FEW RUSTY KNOTS + PARTINGS.	4.5	6.0	KP	-	18277	<.001		
TR P4		AS PREVIOUS	6.0	7.5	KP	-	18278	<.001		
TR P4 + P0		FEW RUSTY KNOTS + PARTINGS	7.5	9.0	KP	-	18279	.005		
TR P4 + P0		QTE @ BOTTOM.	9.0	10.5	KP	3	18280	.015		
TR-1% P4 + P0		LIMONITIC VENS OVER INTERVAL	10.5	12.0	KP	20	18281	.049		
TR P4 + P0		FEW RUSTY KNOTS + PARTINGS.	12.0	13.5	KP	-	18282	.009		
1% P4 + P0		QTE W/ DOLOMITE CLOTS + SULPHIDES	13.5	15.0	KP	20	18283	.002		
TR P4		FEW RUSTY PARTINGS.	15.0	16.5	KP	1	18284	.001		

DIAMOND DRILL RECORD

 PROPERTY FRASER GOLF

 HOLE No. R93289

 SHEET No. 2 of 3

TEXTURE, ALTER'N. MINERALIZATION ETC.	GRAPH. GEOLOG.	INTERVAL		LITH 1	% QZ LITH 2	DESCRIPTION	RECO- VERY	SAM- PLE No.	ASSAYS			
		FROM	TO						Au	MAu	Other .A	
1% P ₄ + P ₀		16.5	18.0	KP	17	INTERMITTENT VEINING w/ FEW CARB CLOTS		18285	.008			
TR P ₄ + P ₀		18.0	19.5	KP	TR	FEW RUSTY KNOTS		18286	.002			
1% P ₄ + P ₀		19.5	21.0	KP	10	VEINING @ BOTTOM w/ FEW CARB CLOTS		18287	.005			
TR - 1% P ₄ + P ₀		21.0	22.5	KP	5	FEW CARB CLOTS		18288	.001			
TR P ₄ + P ₀		22.5	24.0	KP	TR	FEW RUSTY KNOTS		18289	.003			MILL + ASSAY
TR - 1% P ₄ + P ₀		24.0	25.5	KP	12	LIMONITIC QZ VEINS		18290	.002			
TR - 1% P ₄ + P ₀		25.5	27.0	KP	2	FEW CARB CLOTS w/ SULPHIDES		18291	.002			
TR - 1% P ₄ + P ₀		27.0	28.5	KP	3	NARROW VEINS w/ FEW CARB CLOTS		18292	.001			
1% P ₄ + P ₀		28.5	30.0	KP	15	NARROW VEINS w/ CARB CLOTS + SULPHIDES		18293	.007			
1% P ₄ + P ₀ , TR C ₁₄		30.0	31.5	KP	10	AS PREVIOUS		18294	.004			
TR - 1% P ₄ + P ₀		31.5	33.0	KP	TR	SILTY.		18295	.008			
TR - 1% P ₄ + P ₀		33.0	34.5	KP	TR	FEW SILTY FRAGS		18296	.007			END MILL
TR P ₄ + P ₀		34.5	36.0	KP	1	WELL KNOTTED		18297	.003			

DIAMOND DRILL RECORD

 PROPERTY FRASER GOLD

 HOLE No. R93 290

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

 Hole Size 5/8" RC
 Angle of Hole -52°
 Claim KM 11
 Section 59+34E
 Bearing 040°

 Total Depth 42.0m
 % Recovery
 Elev. Collar 1517.7m
 Latitude
 Departure - 2+58-2N

 Sheet No 1 of 2
 Logged by M. SCHAFFEN
 Date Begun SEPT 22, 1953
 Date Finished SEPT 23, 1953
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOLOG.	DESCRIPTION	INTERVAL (m)		LITH REC. OVERLY	% QZE EST. GRADE	Sample No.	ASSAYS		
			FROM	TO				Am		
		OVERBURDEN - NOT CASED.	0	2.4						
TR P4		RUSTY KNOTS.	22.5	24.0	KP	-	18304	.012		
TR - 1% P4 + P0		CARB. CLOTS. FEW RUSTY KNOTS.	24.0	25.5		7	18305	.004		
TR P4 + P0		WELL KNOTTED	25.5	27.0		1	18306	.004		MILL + ASSAY
TR P4 + P0		WELL KNOTTED.	27.0	28.5		1	18307	.002		
1% P4 + P0		VENING OVER INTERVAL W/ CARB. CLOTS.	28.5	30.0		20	18308	.004		
TR P4 + P0		SILTY.	30.0	31.5		TR	18309	.037		
TR P4 + P0		SILTY FRAGS.	31.5	33.0		1	18310	.044		
TR - 1% P4 + P0		NARROW VEINS W/ FEW CARB. CLOTS.	33.0	34.5		5	18311	.003		
TR P4 + P0		FEW SILTY FRAGS.	34.5	36.0		TR	18312	.010		

DIAMOND DRILL RECORD

 PROPERTY FRASERGOLD

 HOLE No. R93291

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

 Hole Size 5/4" RC
 Angle of Hole -45°
 Claim KAY II
 Section 593AE
 Bearing 040°

 Total Depth 42.0m
 % Recovery
 Elev. Collar 1517.7m
 Latitude
 Departure -2+57.8N

 Sheet No 1 of 2
 Logged by M. SCHATTEN
 Date Begun SEPT 23, 1993
 Date Finished SEPT 23, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m)		LITH REC OVERY	% QZ EST. GRADE	Sample No.	ASSAYS		
			FROM	TO				A _m	O ₂ /E	
		OVERBURDEN - NOT CASED	0	4.3						
TR-1% PY + PO		QZ @ TOP W/ FEW CARB CLOTS.	22.5	24.0	KP	8	18317	.003		
1% PY + PO		INTERMITTANT VEINING W/ CARB CLOTS + SULPHIDES, TR CHLORITE + LIMONITE	24.0	25.5	KP	10	18318	.008		
1% PY + PO		QZ @ BOTTOM W/ CARB CLOTS.	25.5	27.0	KP	7	18319	.015		
1% PY + PO		INTERMITTANT VEINS W/ FEW CARB CLOTS.	27.0	28.5	KP	25	18320	.065		MILLY ASSAY
1% PY + PO		FEW CARB CLOTS + SULPHIDES, TR LIMONITE	28.5	30.0	KP	20	18321	.142		
TR-1% PY + PO		TRACE SILTY	30.0	31.5	KD	TR	18322	.010		
1% PY + PO		VEINING OVER INTERVAL.	31.5	33.0	KP	15	18323	.058		
TR-1% PY + PO		NARROW VEINS. SLIGHTLY SILTY.	33.0	34.5	KP	5	18324	.003		
TR-1% PY + PO		AS PREVIOUS	34.5	36.0	KP	7	18325	.007		

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD

HOLE No. R93291

SHEET No. 2 of 2

TEXTURE, ALTER'N. MINERALIZATION ETC.	GRAPH. GEOLOG.		INTERVAL		LITH 1	1/2 QTZ LITH 2	DESCRIPTION	RECO- VERY	SAM- PLE No.	ASSAYS		
			FROM	TO						Au	MAu	Other A
TR Py + Po			36.0	37.5	KP	-	SILTY		18326	.006		
TR Py + Po			37.5	39.0	KP	-	SILTY		18327	.003		END MILL
TR Py + Po			39.0	40.5	KP	-	SILTY		18328	.005		
TR Py + Po			40.5	42.0	KP	1	SILTY		18329	.006		
							<u>EOH 42.00</u>					

DIAMOND DRILL RECORD

PROPERTY FRASER GOLD

HOLE No. R93292

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Hole Size 5 1/4" RC
 Angle of Hole -49°
 Claim KAY II
 Section 59+30E
 Bearing 040°

Total Depth 45.0 m
 % Recovery
 Elev. Collar 1517.6 m
 Latitude
 Departure = 2+57.3 N

Sheet No 1 of 2
 Logged by M. SCHAFFEN
 Date Begun SEPT 23, 1953
 Date Finished SEPT 23, 1953
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m)		LITH REC OVERY	% QTZ EST. GRADE	Sample No.	ASSAYS		
			FROM	TO						
		OVERBURDEN - NOT CASED	0	9.3						
TR P4		FEW RUSTY PARTINGS.	21.0	22.5	KP	-	18330	.001		
TR P4		WELL KNOTTED.	22.5	24.0		TR	18331	.003		
TR - 1% P4 + P0		LIMONITIC QTZ + KP.	24.0	25.5		10	18332	.005		MILL ASSAY
TR - 1% P4 + P0		SULPHIDES IN QTZ	25.5	27.0		5	18333	.004		
TR - 1% P4		WELL KNOTTED.	27.0	28.5		-	18334	.004		
1% P4 + P0		NARROW VEINS OVER INTERVAL W/ FEW CARB. CLOTS + TR LIMONITE.	28.5	30.0		25	18335	.053		
TR - 1% P4 + P0		SILTY.	30.0	31.5		1	18336	.003		
TR - 1% P4 + P0		QTZ TOP HALF W/ TR CARB. CLOTS.	31.5	33.0		15	18337	.032		
1% P4 + P0		VENING OVER INTERVAL W/ FEW CARB. CLOTS + SULPHIDES	33.0	34.5		10	18338	.001		

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD

HOLE No. R93 292

SHEET No. 2 of 2

TEXTURE, ALTER'N. MINERALIZATION ETC.	GRAPH. GEOL.	INTERVAL		LITH 1	% Qtz LITH 2	DESCRIPTION	RECO- VERY	SAM- PLE No.	ASSAYS			
		FROM	TO						Au	MAu	Other A	
TR P ₄ + P ₀		31.5	36.0	KP	1	SILTY.		18333	.002			
TR P ₇ + P ₀		36.0	37.5		3	SILTY.		18340	.005			END MILL
TR - 1% P ₄		37.5	39.0		-	SILTY.		18341	.001			
TR - 1% P ₇		39.0	40.5		-	SILTY.		18342	<.001			
TR P ₄		40.5	42.0		-	SILTY.		18343	.006			
TR P ₇		42.0	43.5		TR	SILTY.		18344	.073			
TR P ₄		43.5	45.0	✓	-	SILTY.		18345	.011			
<u>EOH 45.0m</u>												

DIAMOND DRILL RECORD

 PROPERTY FRASERGOLD

 HOLE No. R93293

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

 Hole Size 5/16" RC
 Angle of Hole -58°
 Claim KAY II
 Section 59+30E
 Bearing 040°

 Total Depth 92.0m
 % Recovery
 Elev. Collar 1517.2m
 Latitude
 Departure -2+57.8N

 Sheet No 1 of 2
 Logged by M. SCHATTEN
 Date Begun SEPT 23 1993
 Date Finished SEPT 23 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m)		LITH RECO. OVERLY	% QZ EST. GRADE	Sample No.	ASSAYS		
			FROM	TO				Au g/t		
		OVERBURDEN - NOT CASED.	0	2.4						
1% P4 + P0		WIDE QZ VEIN @ TOP W/ FEW CARB. CLOTS.	19.5	21.0	KP	12	18346	.070		
TR P4 + P0		WELL KNOTTED.	21.0	22.5		TR	18347	.004		
TR P4		WELL KNOTTED.	22.5	24.0		1	18348	.006		MILL + ASSAY
1% P4 + P0		INTERMITTANT VEINING W/ CARB CLOTS + SULPHIDES.	24.0	25.5		15	18349	.004		
TR - 1% P4 + P0		FEW RUSTY FRAGS.	25.5	27.0		2	18350	.002		
1% P4 + P0		NARROW VEINS W/ FEW CARB. CLOTS + SULPHIDES	27.0	28.5		5	18657	.005		
1% P4 + P0		VEINING OVER INTERVAL W/ CARB. CLOTS + SULPHIDES.	28.5	30.0		30	18652	.010		
1% P4 + P0		NARROW VEINS MAINLY TOP HALF.	30.0	31.5		12	18653	.004		
TR - 1% P4 + P0		FEW KNOTS.	31.5	33.0		3	18654	.034		

DIAMOND DRILL RECORD

 PROPERTY FRASER GOLD

 HOLE No. R 23293

 SHEET No. 2 of 2

TEXTURE, ALTERN. MINERALIZATION ETC.	GRAPH. GEOL.		INTERVAL		LITH 1	% OR LITH 2	DESCRIPTION	RECOVERY	SAMPLE No.	ASSAYS		
			FROM	TO						Au	MAu	Other A
TR P4 + P8			33.0	34.5	KP	1	FEW RUSTY FRAGS		18655	.003		END MILL
TR P4 + P8			34.5	36.0	KP	TR	SILTY		18656	.003		
TR P4 + P8			36.0	37.5	KP	TR	SILTY. FEW LIMONITIC FRAGS.		18657	<.001		
TR P4			37.5	39.0	KP	TR	SILTY		18658	.001		
TR P4			39.0	40.5	KP	TR	SILTY.		18659	.002		
TR P4			40.5	42.0	KP	3	SILTY.		18660	.007		
							<u>EOH 42.0m</u>					

DIAMOND DRILL RECORD

PROPERTY FRASERGOLD

HOLE No. R9329A

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size 5 1/4"
 Angle of Hole -66°
 Claim KAY II
 Section 59+30E
 Bearing 040°

Total Depth 40.5m
 % Recovery
 Elev. Collar 1517.2m
 Latitude
 Departure -2+58.BN

Sheet No 1 of 2
 Logged by M. SCHAFFEN
 Date Begun SEPT 24, 1993
 Date Finished SEPT 24, 1993
 Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOLOG.	DESCRIPTION	INTERVAL (m)		LITH REC. OVERY	% Q ₁₉ EST. GRADE	Sample No.	ASSAYS		
			FROM	TO						
		OVERBURDEN - NOT CASED	0	1.5						
TR P ₄ + P ₀		NARROW VEINS	19.5	21.0	KP	7	18661	.011		
TR P ₄ + P ₀		FEW CARB. CLOTS	21.0	22.5		3	18662	.004	MILL	ASSAY
TR P ₄ + P ₀		WELL KNOTTED	22.5	24.0		-	18663	.006		
TR P ₄ + P ₀		WELL KNOTTED. FEW RUSTY FRAGS.	24.0	25.5		TR	18664	.003		
TR-1% P ₄ + P ₀		FEW CARB CLOTS	25.5	27.0		3	18665	.007		
1% P ₄ + P ₀		VENING OVER INTERVAL W/ CARB. CLOTS + SULPHIDES	27.0	28.5		25	18666	.002		
10% P ₄ + P ₀		AS PREVIOUS. FEW LIMONITIC FRAGS	28.5	30.0		17	18667	.011		
1% P ₄ + P ₀		NARROW VEINS W/ CARB. CLOTS.	30.0	31.5		5	18668	.045		
TR-1% P ₄ + P ₀		SILTY FRAGS. ROD CHANGE @ 33.0m	31.5	33.0		4	18669	.007		END MILL

APPENDIX II
DRILL SECTIONS

2+00N

1+50N

1550m

Topography

R93284

R93283

R93282

Overburden

1500m

Plane of proposed bulk sample

% Quartz Au oz/t

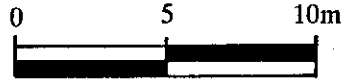
10 .583

5 .002

TR .005

LEGEND

Reverse circulation drill hole trace



Scale 1:250

EUREKA RESOURCES, INC.

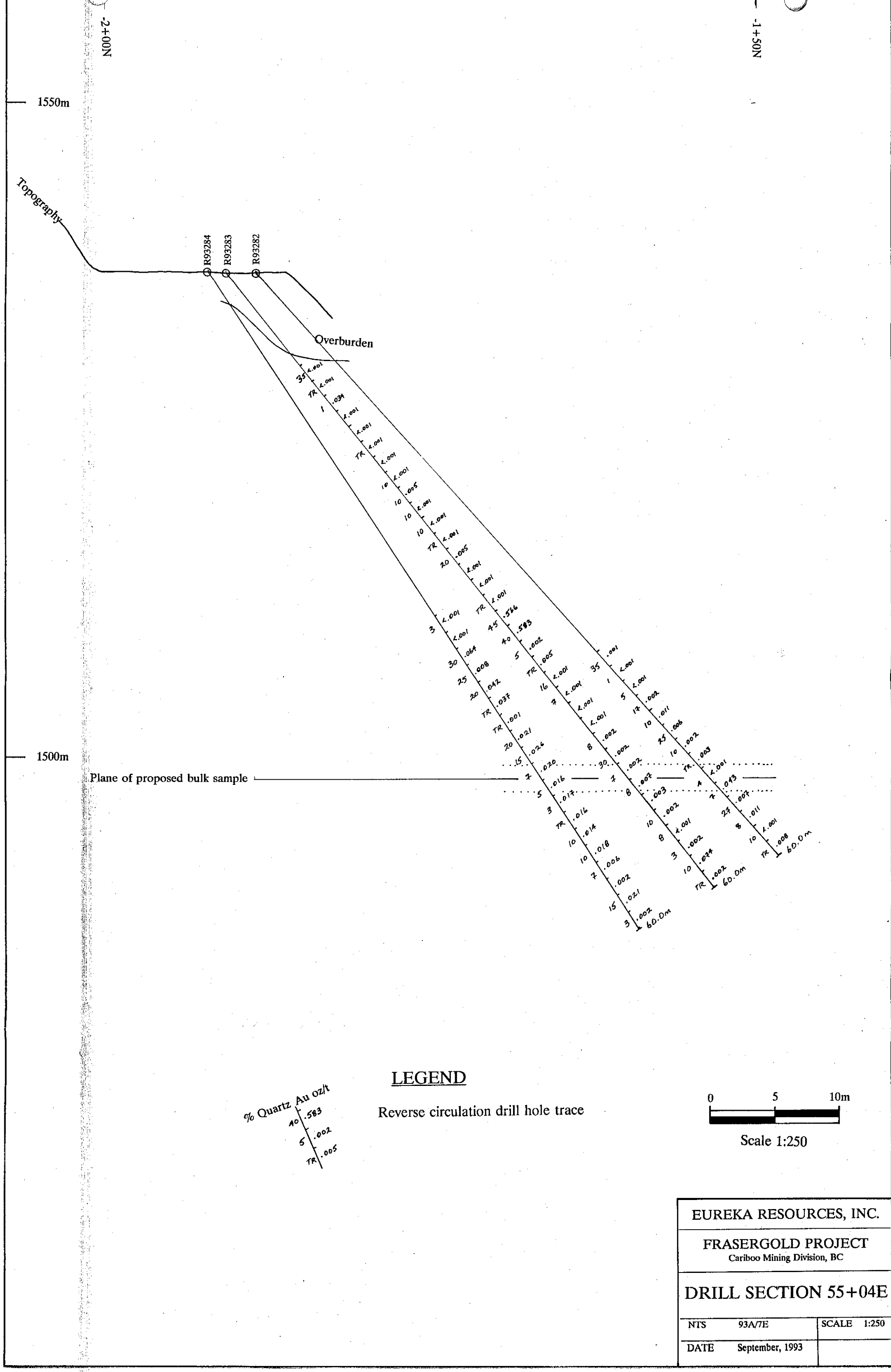
FRASERGOLD PROJECT
Cariboo Mining Division, BC

DRILL SECTION 55+04E

NTS 93A/7E

SCALE 1:250

DATE September, 1993



2+00N

1+50N

1550m

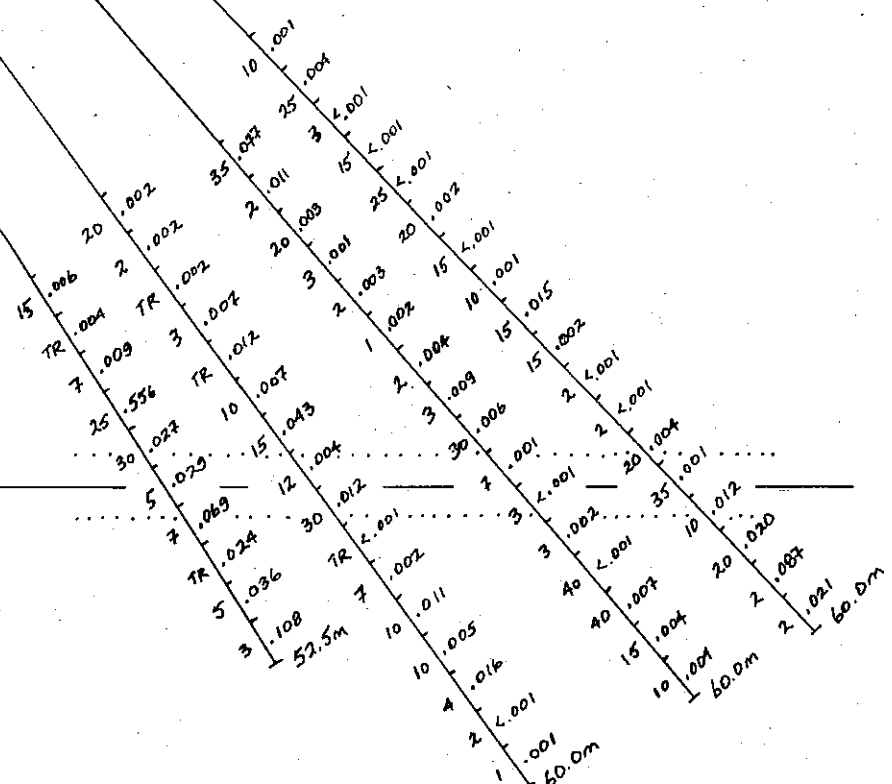
Topography

R93278
R93277
R93276
R93275

Overburden

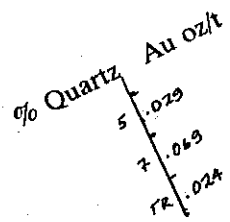
1500m

Plane of proposed bulk sample



LEGEND

Reverse circulation drill hole trace



Scale 1:250

EUREKA RESOURCES, INC.		
FRASERGOLD PROJECT Cariboo Mining Division, BC		
DRILL SECTION 55+08E		
NTS	93A/7E	SCALE 1:250
DATE	September, 1993	

-2+00N

-1+50N

1550m

Topography

R93281

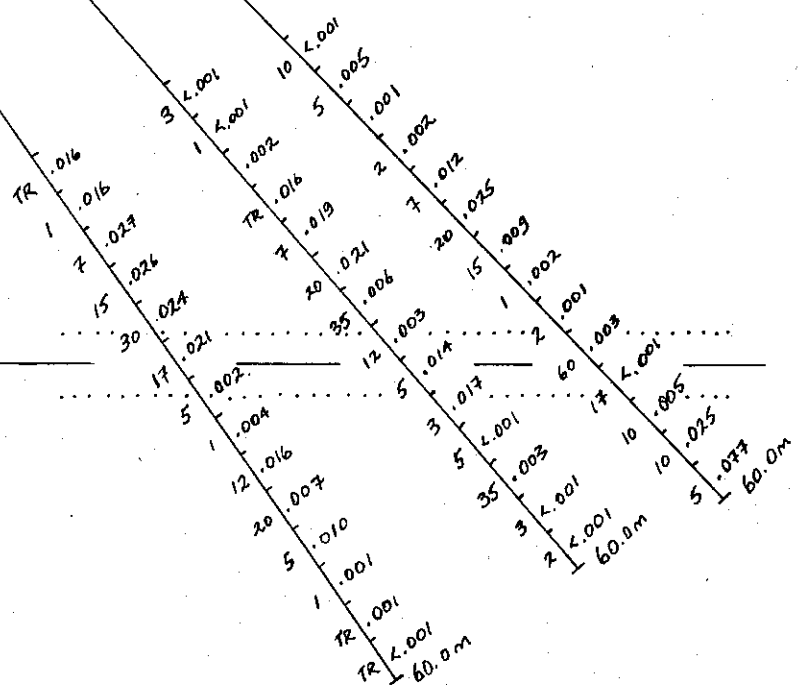
R93280

R93279

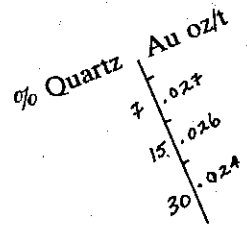
Overburden

1500m

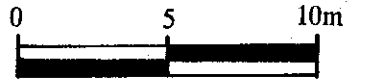
Plane of proposed bulk sample



LEGEND



Reverse circulation drill hole trace



Scale 1:250

EUREKA RESOURCES, INC.		
FRASERGOLD PROJECT Cariboo Mining Division, BC		
DRILL SECTION 55+12E		
NTS	93A/7E	SCALE 1:250
DATE	September, 1993	

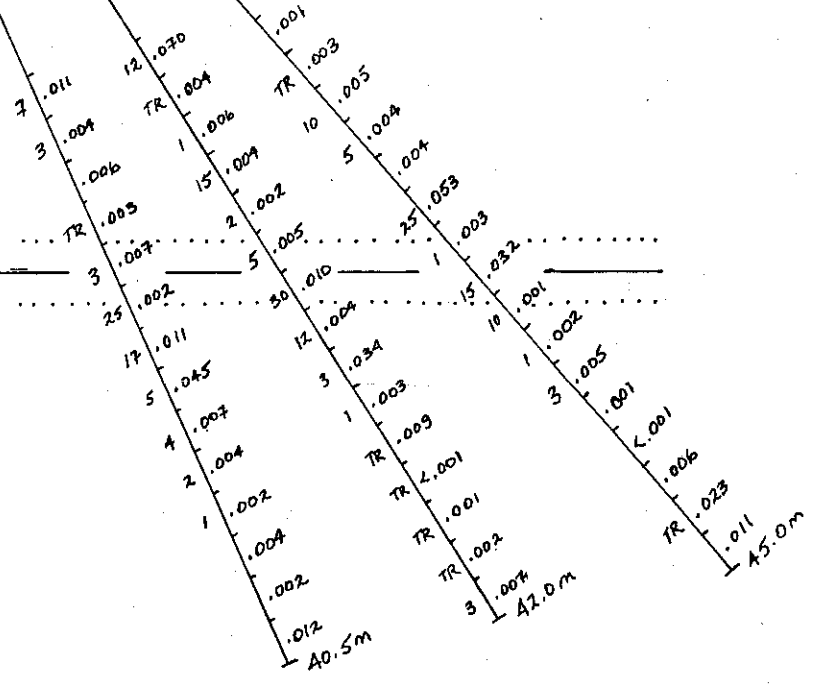
1525m

Topography

R93294
R93293
R93292

Overburden

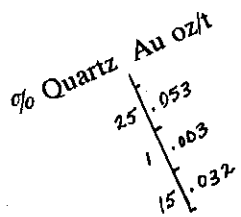
Plane of proposed bulk sample



1475m

LEGEND

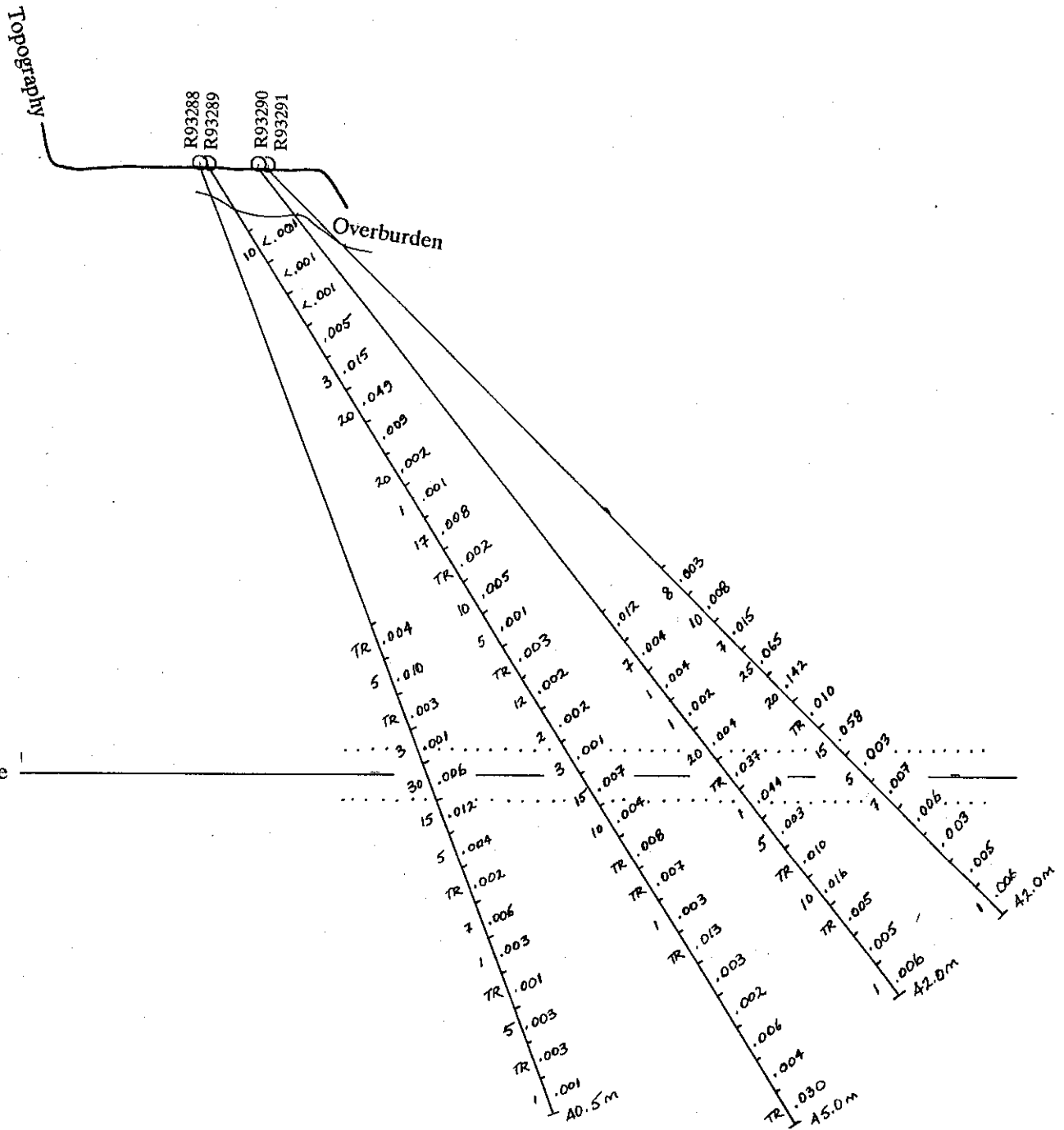
Reverse circulation drill hole trace



Scale 1:250

EUREKA RESOURCES, INC.	
FRASERGOLD PROJECT Cariboo Mining Division, BC	
DRILL SECTION 59+30E	
NTS	93A/7E
DATE	September, 1993
SCALE	1:250

1525m

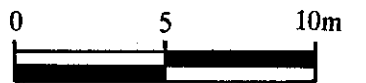
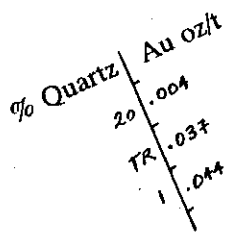


Plane of proposed bulk sample

1475m

LEGEND

Reverse circulation drill hole trace



Scale 1:250

EUREKA RESOURCES, INC.		
FRASERGOLD PROJECT Cariboo Mining Division, BC		
DRILL SECTION 59+34E		
NTS	93A/7E	SCALE 1:250
DATE	September, 1993	

1525m

Topography

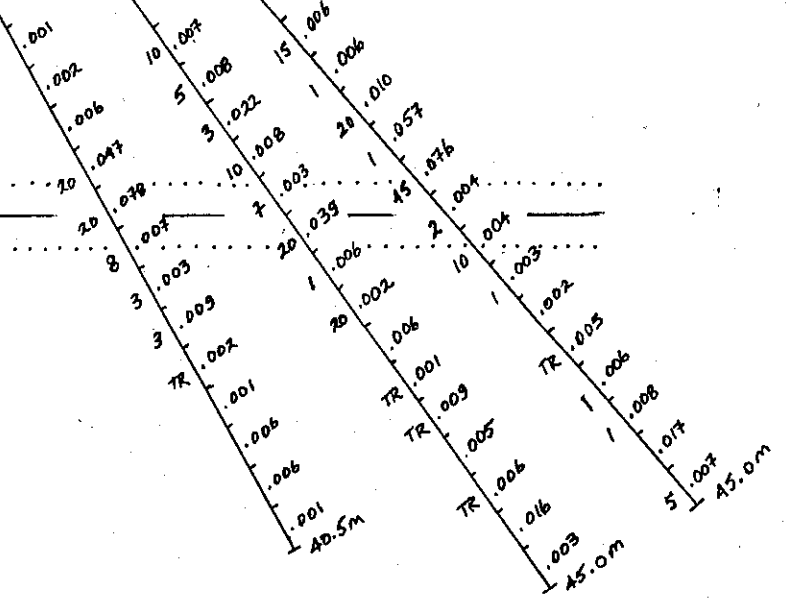
R93287

R93286

R93285

Overburden

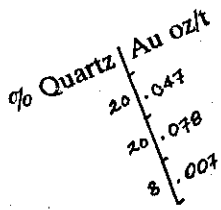
Plane of proposed bulk sample



1475m

LEGEND

Reverse circulation drill hole trace



Scale 1:250

EUREKA RESOURCES, INC.	
FRASERGOLD PROJECT Cariboo Mining Division, BC	
DRILL SECTION 59+38E	
NTS	93A/7E
DATE	September, 1993
SCALE 1:250	

APPENDIX III
ASSAY PROCEDURES



Bondar Clegg

Inchcape Testing Services

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue
North Vancouver, B.C.
V7P 2H5
Tel: (604) 985-0681
Fax: (604) 985 1071

Bondar-Clegg & Company Ltd. is pleased to offer the following analytical services:

Sample Preparation

1. All field material submitted will be dried and reduced to 75% -10 mesh.
2. A 250 g representative split of the -10 mesh material will be obtained using a Jones Riffle Splitter. One randomly selected sample in 40 will have a duplicate split analyzed and reported as sample preparation replicate to you free of charge.
3. The 250 gram split will be pulverized to 95% -150 mesh using a ring and puck pulverizer.
4. All pulps to be stored until year end free, after which storage charges will apply.
5. All rejects stored for 60 days free, after which storage charges will apply.

Your cost/sample for drill samples of 15 to 20 lbs \$ 5.50 Can list \$7.75

Gold Fire Assay:

Certified Assay determination of a One Assay Ton Au using Fire Assay collection AAS measurement. Low detection level of 0.001 OPT Au.

Your cost/sample not including sample preparation: \$ 7.75 Can list \$ 10.75



BONDAR-CLERK
Bondar-Clark & Company Ltd.
100 Pemberton Ave.
North Vancouver, B.C.
V7P 1R5
1981 July 01 35767

PROCEDURE FOR ASSAY AND ANALYSIS

FIRE ASSAY PROCEDURE:

A prepared sample of one assay ton (29.166 grams) is mixed with a flux which is composed mainly of lead oxide. The proportions of the flux components (the litharge, soda, silica, borax glass, and flour) are adjusted depending upon the nature of the sample. Silver is added to help collect the gold. The samples are fused at 1950 F until a clear melt is obtained. The 30-40 gram lead button that is produced contains the precious metals. It is then separated from the slag. Heating in the cupellation furnace separates the lead from the noble metals. The precious metal beads that are produced are transferred to test tubes and dissolved with aqua-regia. This solution is analyzed using Atomic Absorption by comparing the absorbance of these solutions with that of standard solutions. In the case of high grade samples, greater than 0.200 OPT, the precious metal bead is parced in dilute HNO₃ acid to dissolve the silver and the remaining gold is weighed.

COMMENTS:

As part of our routine quality control we run a duplicate analysis for 2 out of each batch of 24 as well as a standard. These total about 12% of the samples. Also, all samples which are over 0.30 OPT on the original fusion are run again to verify the results. If a sample gives erratic results, such as 0.10, 0.020, 0.30, we will indicate this on the report. We suggest that a new split should be taken from the reject for preparation and analysis by our metallics sieve procedure. Certified standards and in house pulp standards as well as synthetic solution standards are run with each report or batch of samples.

APPENDIX IV

ASSAYS

REPORT: V93-01039.4 (COMPLETE)

DATE PRINTED: 15-OCT-93

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AU OPT	SAMPLE NUMBER	ELEMENT UNITS	AU OPT
R2 18051		0.001	R2 18091		0.043
R2 18052		0.004	R2 18092		0.004
R2 18053		<0.001	R2 18093		0.012
R2 18054		<0.001	R2 18094		<0.001
R2 18055		<0.001	R2 18095		0.002
R2 18056		0.002	R2 18096		0.011
R2 18057		<0.001	R2 18097		0.005
R2 18058		0.001	R2 18098		0.016
R2 18059		0.015	R2 18099		<0.001
R2 18060		0.002	R2 18100		0.001
R2 18061		<0.001	R2 18101		0.006
R2 18062		<0.001	R2 18110		0.1084
R2 18063		0.004	R2 18111		<0.001
R2 18064		0.001	R2 18112		0.005
R2 18065		0.012	R2 18113		0.001
R2 18066		0.020	R2 18114		0.002
R2 18067		0.087	R2 18115		0.012
R2 18068		0.021	R2 18116		0.025
R2 18069		0.077	R2 18125		<0.001
R2 18070		0.011	R2 18126		<0.001
R2 18071		0.003	R2 18127		0.002
R2 18072		0.001	R2 18128		0.016
R2 18073		0.003	R2 18137		<0.001
R2 18074		0.002	R2 18138		<0.001
R2 18075		0.004	R2 18139		0.016
R2 18076		0.009	R2 18140		0.016
R2 18077		0.006	R2 18152		<0.001
R2 18078		0.001	R2 18153		0.001
R2 18079		<0.001	R2 18154		<0.001
R2 18080		0.002	R2 18155		<0.001
R2 18081		<0.001	R2 18156		0.002
R2 18082		0.007	R2 18157		0.011
R2 18083		0.004	R2 18167		<0.001
R2 18084		0.004	R2 18168		<0.001
R2 18085		0.002	R2 18169		0.034
R2 18086		0.002	R2 18170		<0.001
R2 18087		0.002	R2 18171		<0.001
R2 18088		0.007	R2 18172		<0.001
R2 18089		0.012	R2 18173		<0.001
R2 18090		0.007	R2 18174		<0.001

REPORT: V93-01039.4 (COMPLETE)

DATE PRINTED: 15-OCT-93
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PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	AU OPT	SAMPLE NUMBER	ELEMENT UNITS	AU OPT
R2 18175		0.005	R2 18249		0.001
R2 18176		<0.001	R2 18257		0.002
R2 18177		<0.001	R2 18258		0.001
R2 18178		<0.001	R2 18259		0.006
R2 18179		0.005	R2 18260		0.006
R2 18180		<0.001	R2 18261		0.001
R2 18181		<0.001	R2 18262		0.004
R2 18182		<0.001	R2 18271		0.003
R2 18183		0.5664	R2 18272		0.001
R2 18184		0.5834	R2 18273		0.003
R2 18185		0.022	R2 18274		0.003
R2 18186		0.005	R2 18275		0.002
R2 18187		<0.001	R2 18276		<0.001
R2 18188		<0.001	R2 18277		<0.001
R2 18189		<0.001	R2 18278		<0.001
R2 18199		0.074	R2 18279		0.005
R2 18200		0.002	R2 18280		0.015
R2 18201		<0.001	R2 18281		0.049
R2 18202		<0.001	R2 18282		0.009
R2 18203		0.064	R2 18283		0.002
R2 18204		0.008	R2 18284		0.001
R2 18205		0.042	R2 18285		0.008
R2 18215		0.018	R2 18286		0.002
R2 18216		0.006	R2 18287		0.005
R2 18217		0.002	R2 18288		0.001
R2 18218		0.021	R2 18297		0.003
R2 18219		0.002	R2 18298		0.013
R2 18220		0.006	R2 18299		0.003
R2 18221		0.006	R2 18300		0.002
R2 18230		0.006	R2 18301		0.006
R2 18231		0.008	R2 18302		0.004
R2 18232		0.017	R2 18303		0.030
R2 18233		0.007	R2 18304		0.012
R2 18234		0.007	R2 18305		0.004
R2 18243		0.001	R2 18314		0.005
R2 18244		0.009	R2 18315		0.005
R2 18245		0.005	R2 18316		0.006
R2 18246		0.006	R2 18317		0.003
R2 18247		0.016	R2 18318		0.008
R2 18248		0.003	R2 18319		0.015

DATE PRINTED: 13-OCT-93

REPORT: V93-01043.4 (COMPLETE)

PROJECT: NONE GIVEN

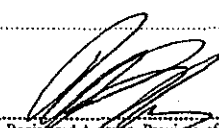
PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 18222 1/8		0.010	R2 18309 1/8		0.037
R2 18223 1/8		0.057	R2 18310 1/8		0.044
R2 18224 1/8		0.076	R2 18311 1/8		0.003
R2 18225 1/8		0.004	R2 18312 1/8		0.010
R2 18226 1/8		0.004	R2 18313 1/8		0.016
R2 18227 1/8		0.003	R2 18662 1/8		0.004
R2 18228 1/8		0.002	R2 18663 1/8		0.006
R2 18229 1/8		0.005	R2 18664 1/8		0.003
R2 18237 1/8		0.008	R2 18665 1/8		0.007
R2 18238 1/8		0.003	R2 18666 1/8		0.002
R2 18239 1/8		0.039	R2 18667 1/8		0.011
R2 18240 1/8		0.006	R2 18668 1/8		0.045
R2 18241 1/8		0.002	R2 18669 1/8		0.007
R2 18242 1/8		0.006			
R2 18250 1/8		0.002			
R2 18251 1/8		0.006			
R2 18252 1/8		0.047			
R2 18253 1/8		0.078			
R2 18254 1/8		0.007			
R2 18255 1/8		0.003			
R2 18256 1/8		0.009			
R2 18263 1/8		0.010			
R2 18264 1/8		0.003			
R2 18265 1/8		0.001			
R2 18266 1/8		0.006			
R2 18267 1/8		0.012			
R2 18268 1/8		0.004			
R2 18269 1/8		0.002			
R2 18270 1/8		0.006			
R2 18289 1/8		0.003			
R2 18290 1/8		0.002			
R2 18291 1/8		0.002			
R2 18292 1/8		0.001			
R2 18293 1/8		0.007			
R2 18294 1/8		0.004			
R2 18295 1/8		0.008			
R2 18296 1/8		0.007			
R2 18306 1/8		0.004			
R2 18307 1/8		0.002			
R2 18308 1/8		0.004			

Bondar-Clegg & Company Ltd.

130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada

Tel: (604) 985-0681, Fax: (604) 985-1071


 Registered Assayer, Province of British Columbia

REPORT: V93-01039.4 (COMPLETE)

DATE PRINTED: 15-OCT-93

PROJECT: NONE GIVEN

PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	AU OPT	SAMPLE NUMBER	ELEMENT UNITS	AU OPT
R2 18328		0.005			
R2 18329		0.006			
R2 18330		0.001			
R2 18331		0.003			
R2 18341		0.001			
R2 18342		<0.001			
R2 18343		0.006			
R2 18344		0.023			
R2 18345		0.011			
R2 18346		0.070			
R2 18347		0.004			
R2 18656		0.009			
R2 18657		<0.001			
R2 18658		0.001			
R2 18659		0.002			
R2 18660		0.007			
R2 18661		0.011			
R2 18670		0.004			
R2 18671		0.002			
R2 18672		0.004			
R2 18673		0.002			
R2 18674		0.012			

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REPORT: V93-01083.4 (COMPLETE)

SAMPLE NUMBER	ELEMENT UNITS	AU OPT	SAMPLE NUMBER	ELEMENT UNITS	AU OPT
R2 18103		0.009	R2 18163		0.007
R2 18104		0.556A	R2 18164		0.011
R2 18105		0.027	R2 18165		<0.001
R2 18106		0.029	R2 18166		0.008
R2 18107		0.069A	R2 18190		<0.001
R2 18108		0.024A	R2 18191		0.002
R2 18109		0.036	R2 18192		0.002
R2 18112 18102		0.004	R2 18193		0.002
R2 18117		0.009	R2 18194		0.007
R2 18118		0.002	R2 18195		0.003
R2 18119		0.001	R2 18196		0.002
R2 18120		0.003	R2 18197		<0.001
R2 18121		<0.001	R2 18198		0.002
R2 18122		0.005	R2 18206		0.037
R2 18123		0.025	R2 18207		0.001
R2 18124		0.077	R2 18208		0.021
R2 18129		0.019	R2 18209		0.026
R2 18130		0.021	R2 18210		0.020
R2 18131		0.006	R2 18211		0.018
R2 18132		0.003	R2 18212		0.017
R2 18133		0.014	R2 18213		0.016
R2 18134		0.017	R2 18214		0.014
R2 18136A-18135		<0.001	R2 18235		0.008
R2 18136B		0.003	R2 18236		0.022A
R2 18141		0.027	R2 18320		0.065A
R2 18142		0.026	R2 18321		0.142
R2 18143		0.024	R2 18322		0.010
R2 18144		0.021	R2 18323		0.058
R2 18145		0.002	R2 18324		0.003
R2 18146		0.004	R2 18325		0.007
R2 18147		0.016	R2 18326		0.006
R2 18148		0.007	R2 18327		0.003
R2 18149		0.010	R2 18332		0.005
R2 18150		0.001	R2 18333		0.004
R2 18151		0.001	R2 18334		0.004
R2 18158		0.006	R2 18335		0.053
R2 18159		0.002	R2 18336		0.003
R2 18160		0.003	R2 18337		0.032
R2 18161		<0.001	R2 18338		0.001
R2 18162		0.043	R2 18339		0.002

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PROJECT: NONE GIVEN

PAGE 2

REPORT: V93-01083.1 (COMPLETE)

SAMPLE NUMBER	ELEMENT UNITS	AU OPT
R2 18340		0.005
R2 18348		0.006
R2 18349		0.004
R2 18350		0.002
R2 18651		0.005
R2 18652		0.010
R2 18653		0.004
R2 18654		0.0344
R2 18655		0.003

SAMPLE NUMBER	ELEMENT UNITS	AU OPT
---------------	---------------	--------