

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
MINISTRY OF ENERGY AND MINES
GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR: 2001/2002

REPORT #: PAP 01-19

NAME: DARIN BLACK

Ministry of Energy and Mines
Kamloops, B.C.

Rec'd JAN 15 2002

**PROSPECTING REPORT
FOR
MAHOOD LAKE AREA, BC
NTS 092P16
KAMLOOPS MINING DIVISION
PROSPECTOR'S ASSISTANCE PROGRAM 01\02 P-30**

BY

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AND

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DECEMBER 2001

P 30

D. TECHNICAL REPORT



Ministry of Energy and Mines
Energy and Minerals Division

- One technical report to be completed for each project area.
- Refer to Program Regulations 15 to 17, page 6.

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Information on this form is confidential
one year and is subject to the provision
the Freedom of Information Act.

Name R. DARIN BLACK Reference Number P30

LOCATION/COMMODITIES

Project Area (as listed in Part A) MAHOD MINFILE No. if applicable N/A
Location of Project Area NTS 92P/16 Lat Long
Description of Location and Access see report

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

see report

Main Commodities Searched For Cu - Pb - Zn - Ag (Au Pt Pd)

Known Mineral Occurrences in Project Area minfile 092P/16 (Ejas Lake) also
Maury showing (not in minfile)

WORK PERFORMED

1. Conventional Prospecting (area) 11x7 kms (77 sq. kms.)
2. Geological Mapping (hectares/scale) NA
3. Geochemical (type and no. of samples) rock 28 silt 7
4. Geophysical (type and line km) NA
5. Physical Work (type and amount) hand trenching 1x3 meters
6. Drilling (no. holes, size, depth in m, total m) NA
7. Other (specify)

FEEDBACK: comments and suggestions for Prospector Assistance Program PROGRAM SEEMS

TO BE A GOOD WAY OF ENCOURAGING MINERAL
EXPLORATION IN B.C.

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Summary

A total of 46 man-days were spent prospecting the area outlined in the original proposal, Black spent 26 days while Ridley accompanied him for 20 days. The program was divided equally between prospecting the south shore of Mahood Lake by boat and prospecting new roads and logging clearcuts between Mt. Mahood and Maury Lakes south of Mahood Lake. A 20 unit claim, the Cal 1, was located in the Maury Lake area to cover several lead-silver-zinc occurrences found during this program. Prospecting along the lakeshore proved disappointing and no trace of minfile occurrence 092P 028 was found.

Location and Access

Mahood Lake is located approximately 65 kilometers northeast of 100 Mile House and 35 kilometers north-northwest of Clearwater, BC. Road access to the upland area around Maury Lake is gained by good quality logging roads from either 100 Mile House or Clearwater. Lower ground along the south shore of Mahood Lake is accessible by boat only which can be launched from several lodges along the southwest shore or at the government campsite at the west end. The northern and extreme eastern portions of Mahood Lake lie within Well's Grey Provincial Park and so are not open for mineral exploration.

Claim Status

The Cal 1 claim, record number 390555, was located during this program. It consists of 20 metric units and was recorded October 31, 2001 by D. Black. The claim covers several float occurrences of lead-silver-zinc (gold) bearing quartz veining and poorly exposed outcrop of quartz-pyrite-barite which is situated just downslope from a zone of anomalous lead-silver-zinc soil samples as defined by past operators (Ass. Rpt. #13362). Claim location is shown on Figures 2, 4, and 5.

Regional Geology

The most recent geological mapping was by Campbell and Tipper in 1971 (GSC Memoir 363). The Mahood area is situated near the margin between Mesozoic island arc assemblage of Intermontane Terrane, and Paleozoic and older rocks of oceanic affinity comprising Omineca Terrane. Quesnel rocks were thrust over Omineca rocks during the Jurassic period. Later folding and mountain building gave rise to Cretaceous plutons such as Raft batholith and several smaller satellite stocks north of Mahood Lake. Tertiary extensional tectonics resulted in widespread extrusions of basaltic lava and related pyroclastic and lesser sedimentary rocks. Recent volcanism was active in the Park as late as 3000-5000 years before present.

The Omineca terrane rocks are the focus of this proposal. They consist of Fennel Formation pillow basalts, flows, chert, and lesser argillite which is bounded by thrust faults. Meta-volcanic and meta-sedimentary rocks underlie the eastern-most part of the area and are thought to be correlative to Eagle Bay assemblage to the southwest. Both the Fennel and Eagle Bay rocks are known to host economic VMS style mineralization to the southeast.

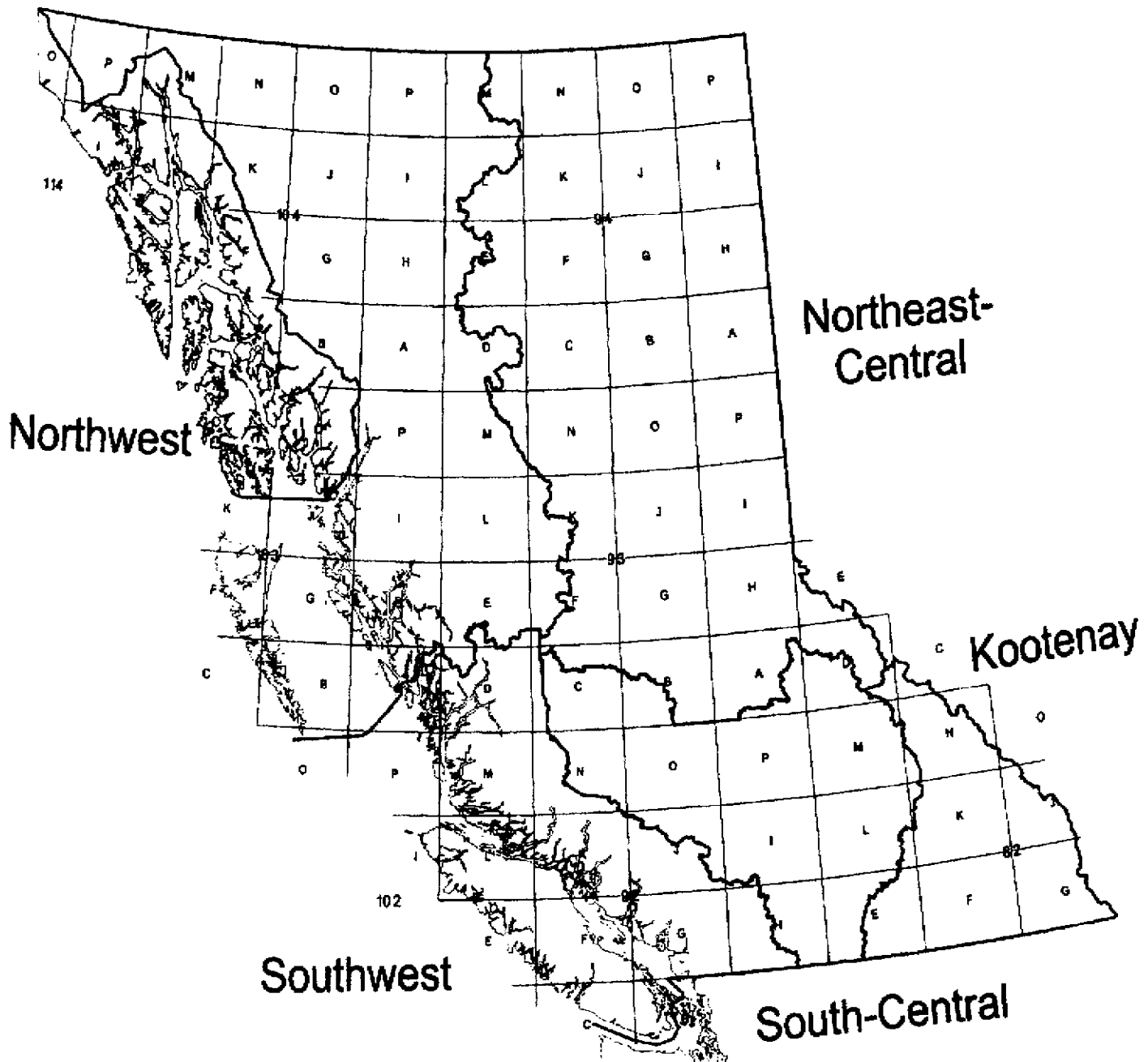
Past Work

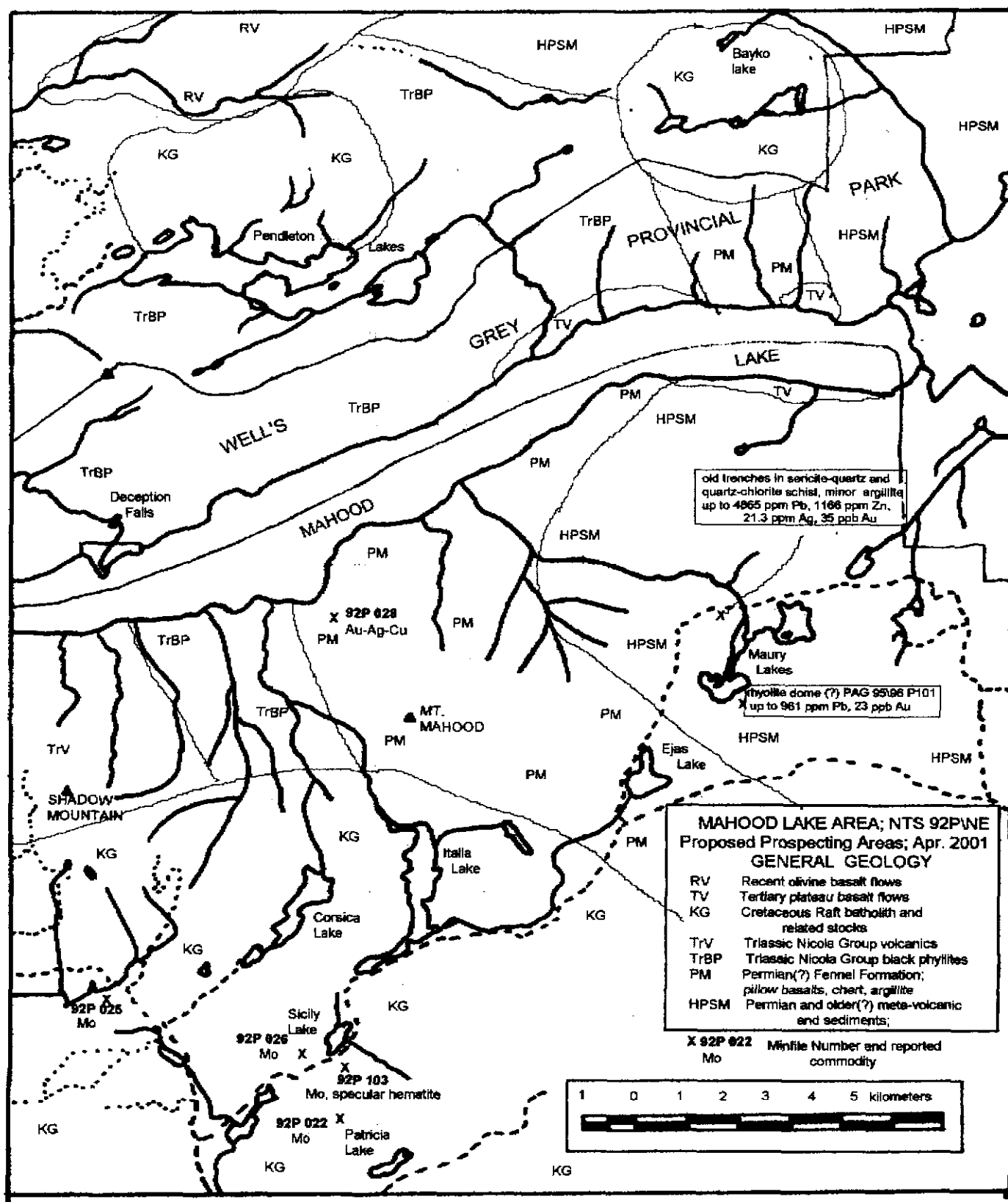
The earliest recorded mineral claims around Mahood Lake date from the early spring of 1897. The principals formed a partnership, "Mahood Lake Mining Company Limited Liability" on May 1, 1897. Certified affidavits of work were recorded in Clinton during 1898 and 1899 although the details of work performed are not known. Several other claims were located in the area at this time as well. This is significant when one considers the fact that mining regulations in effect at that time required finding mineralization in situ prior to locating a claim. Therefore it can be concluded that there could be several old "lost" showings. Minister of Mines Annual Report for 1924 reports: "Wm Spring has located a group of claims on the south side of Mahood Lake. A

PROGRAM PROPOSAL - PART B

Location of Proposed Project(s)

Indicate on this map (using an "X") the general location of each of the projects covered by this proposal.





sample from this point consisting of quartzose-irony looking material assayed; 0.6 oz/ton gold, 1 oz/ton silver, and 0.3% copper." This occurrence is Minfile number 92P 028 which has not been re-located and sampled since.

In 1966 lead-silver float, with values up to 10.68% lead and 950 g/t silver, was found immediately south of Maury Lake. This led to staking a number of claims and recon soil sampling which indicated anomalous copper and zinc values. Aquitaine of Canada Ltd. and later, Kidd Creek Mines Ltd. Conducted large work programs in the Maury and Ejas lakes area. Airborne mag and VLF surveys were followed by ground geophysics over selected parts of the grid. In 1978 one conductor was tested by a single diamond drill hole. Later analysis of a piece of this core revealed the presence of anomalous gold-silver mineralization in graphitic pyrrhotite-rich phyllite. In 1984 line-cutting, geologic mapping, EM and mag surveys and soil sampling was conducted by Kidd Creek Mines. Further work was recommended but the ground was allowed to lapse.

In 1985 BP Resources carried out a program of integrated geophysics on the SB 1-8 claims. Again further work was recommended but none was carried out. In 1995 D and C Ridley prospected the area as part of C. Ridley's Prospecting Assistance Grant (95/96 P101). This work located several old trenches immediately north of Maury Lake. The trenches were blasted into quartz-sericite schist and cut by quartz veins which contains local disseminations of galena-sphalerite-pyrrhotite and lesser chalcopyrite and returned up to 4865 ppm lead, 1166 ppm zinc, and 21.3 ppm silver in rock samples. While these values are not economic they do illustrate the potential for VMS type deposits in the vicinity. Several economic deposits are known to occur in similar rocks and geologic settings to the southeast and northwest.

Prospecting Targets

Rocks underlain by Fennell Formation are prospective for Cyprus Massive Sulphide (G05; Hoy, T. 1995, O.F. 1995-20) as seen at Chu Chua deposit (92P 140), as well as base and precious metal-rich vein systems exemplified by former producers such as Queen Bess (92P 042), Windpass (92P 039), Sweet Home (92P 040), and Gold Hill (92P 041). All these deposits are clustered within Fennell rocks on the east side of the North Thompson river south of Clearwater. Claim staking activity and poorly documented reports from prospectors during the early 1900's indicate that at least three mineralized zones had been found within Fennell rocks between the top of Mt. Mahood and the lakeshore.

The area around Maury Lake is underlain by rocks which are believed equivalents of Eagle Bay Assemblage found to the southeast where it hosts numerous VMS-style deposits including Rea (82M 191) and Homestake (82M 025) mines as well as many other showings and prospects. Many of these are related to felsic meta-volcanic rocks and seem to be Kuroko-type in nature. Quartz-sericite schists found near Maury lake are prime exploration targets and should be intensely prospected.

2001 Work Program

The 2001 work program was completed sporadically between early June to late October and consisted of a total of 46 man-days in the field. This resulted in the collection and subsequent analysis of 28 rock and 7 silt samples. A re-examination of the Maury showing as well as other mineralized and/or anomalous zones outlined by past operators were also conducted. Results of this work program and past data culminated in the staking of the Cal 1 claim which is described in separate section. Prospecting by boat along the south shore of Mahood Lake failed to locate minfile occurrence 092P 028 although quartz veins with minor galena and pyrite were found

further to the east at the base of some prominent cliffs. In addition several prospecting traverses were conducted round Mt. Mahood although little of interest was seen in this section. More detail is provided in the appropriate section below, sample locations are plotted on topographic base maps, sample description sheets and analysis certificates are included in the appendix.

MAHOOD LAKE

A total of 16 man-days were spent prospecting the south shore of Mahood lake. A small motor boat was utilized to provide transport down the lake from the end of the road. Traverses were run up slope from the lake to examine several large outcrops within 500 feet elevation of the lakeshore. Rocks consisted of Fennel greenstones which locally are strongly foliated and contain carbonate veins, rusty shears, and locally quartz veins. Several stream samples were collected west of the mouth of Maury creek although no significant anomalies were detected. Sample locations are depicted on Figure 4 and analysis certificates are included in the appendix.

Rock Sampling and Prospecting;

A total of 10 rock samples were taken during this phase of the program. A large zone of clay alteration was found associated with Fennel greenstones approximately 1.5 kilometers west of Maury creek mouth. Three rock samples were taken but results failed to detect anomalous values (MA01DR3, 4 and BK4). The zone is characterized by clay alteration and narrow pyritic quartz veinlets surrounding central zone of fault gouge up to 1 meter wide. The greenstone trends 040\50E and the zone is best exposed at waterline.

Three float samples were taken from sand and gravel bars in Maury creek within 200 meters of Mahood lake (MA01 BK2, 3 and DR2). One sample was found to be weakly anomalous with 139 ppm copper, 127 ppm lead, and 20 ppb gold (M01 BK2). This sample consisted of angular quartz float with minor pyrite. No outcrop was found in this vicinity.

Two samples were taken from quartz veining in Fennel greenstones approximately 3 kilometers east of Maury creek mouth (MA01 BK13, 14). A quartz vein is exposed just above water level and runs along the cliff-face for about 100 meters where it goes down under the lake. The vein averages about 30 centimeters wide, trends 078\35S, is rusty weathering and contains minor pyrite and galena. A grab from the vein returned 213 ppm copper, 120 ppm lead, 1.1 ppm silver, and 9 ppb gold (BK13) whereas a piece of float below the vein returned 65 ppm copper, 451 ppm lead, 14 ppm silver, and 74 ppb gold (BK 14). A 2 meter wide rusty shear, trending 072\50S, situated about 1 kilometer west of BK 13, returned 138 ppm zinc and 39 ppb gold (MA01 BK15).

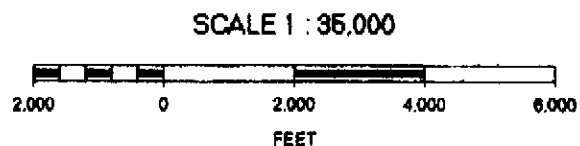
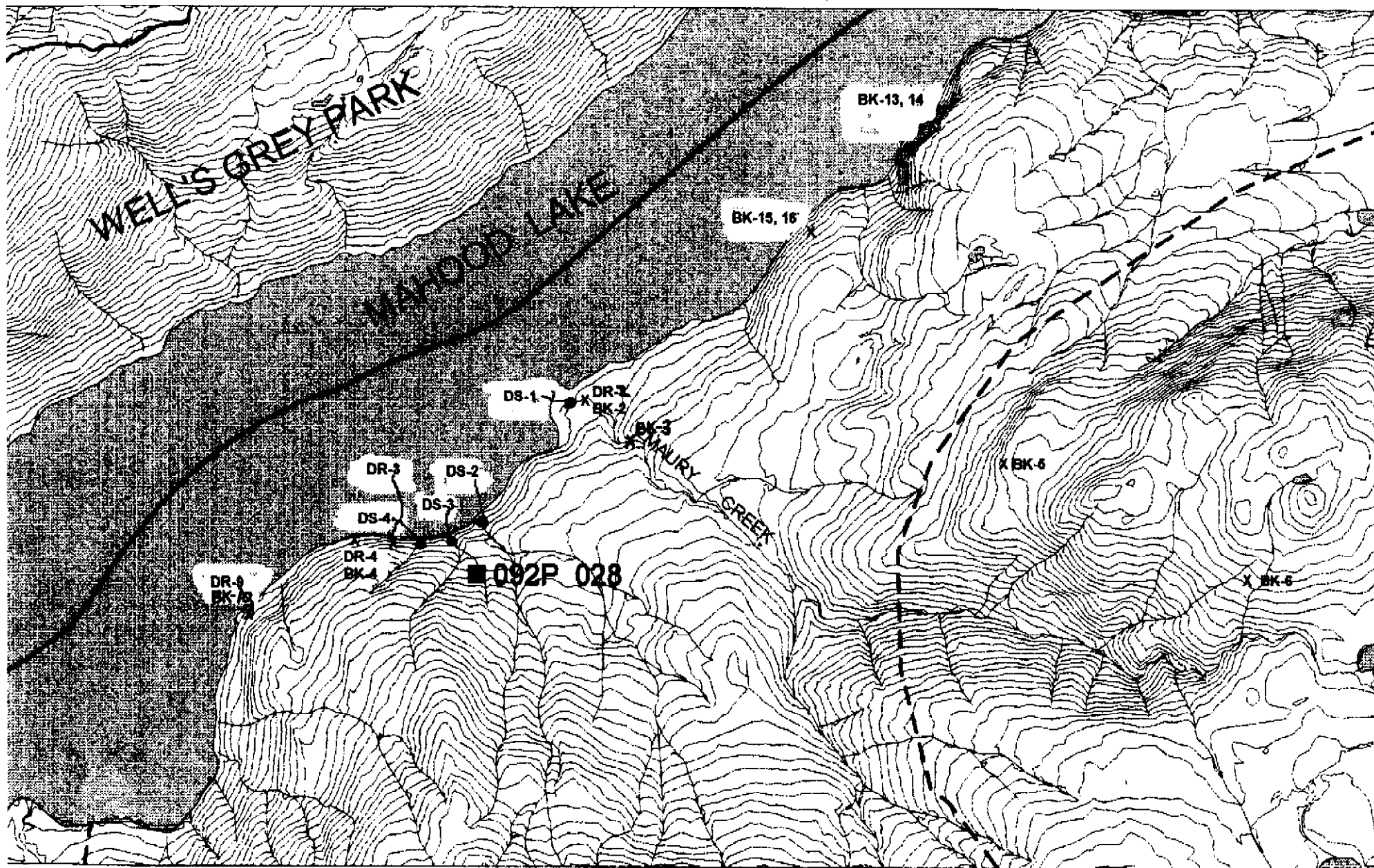
Silt Sampling:

Four streams were sampled along the south shore of Mahood lake during this program. These creeks were clustered just west of and included Maury creek. No anomalous results were obtained. Unfortunately there are few creeks draining the area south of Mahood lake.

MAURY LAKES AREA

A total of 22 mandays were spent prospecting the upland area south of Mahood lake and east of Mt. Mahood. All known showings and anomalous areas were first examined and then the area was prospected mainly from several new logging roads and their attendant clearcuts. This work indicated a clustering of lead, silver, zinc, and barium values west of Maury lake and the 20 unit Cal 1 claim was located in late October. The area is underlain by meta- sediments with lesser meta-volcanic units which are assigned to Eagle Bay Assemblage, based mainly on its position immediately east of Fennel rocks. A total of 15 rock and 3 silt samples were collected and subsequently analyzed. Sample locations are shown on Figures 3 and 4. Analysis certificates are included in the appendix.

MAHOOD LAKE AREA; 92P/16; PAP #01/02 P-30



MAHOOD LAKE PROJECT
 ROCK AND SILT SAMPLE LOCATIONS
 P.A.P. 01/02 # P-30; DARIN BLACK
 DECEMBER 2001; FIGURE 3
 drawn by D. Ridley

DS-1 ● silt sample
 DR-1 ✕ rock sample
 Note: sample prefix MA01



Rock Sampling and Prospecting;

Several quartz vein systems were encountered along new logging roads along the north side of Maury creek. The veins tend to follow the strongest foliation which closely follows the contours around the hill to the north. Wallrocks range from black phyllites, meta-quartzites, and minor quartz-sericite schist. Three samples were taken but none contained anomalous values (M01 BK1, 5, 6). However, it is possible that the vein system at BK6 may be related to the Maury showings to the south. This system has an average strike of 314 degrees which might pass near the Maury showings. Additional prospecting to the south of BK6 is highly recommended. An angular boulder of highly weathered, rusty, massive pyrrhotite float was found in the road bank south of BK6 and northwest of the Maury showings. Wallrocks in the vicinity appear to be black phyllites but are poorly exposed. A grab from this float returned 2152 ppm copper, 381 ppm lead, 13 ppm silver, 43.6% iron, and 45 ppb gold (MA01 DR11).

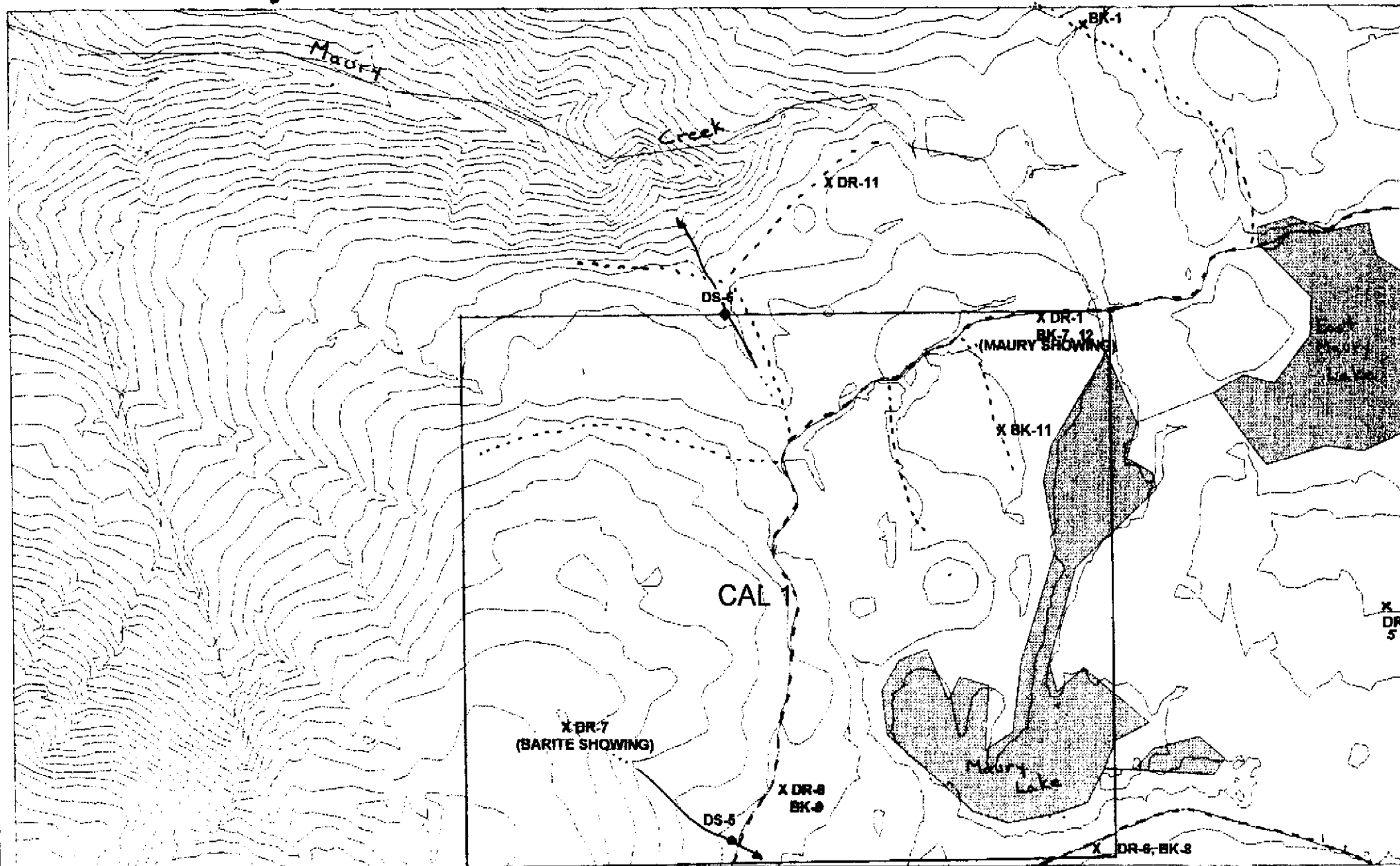
A 50 centimeter wide quartz vein with breccia fragments of black phyllite host was found to outcrop in road washout in an area of no outcrop approximately 2.5 kilometers east of south end of Maury lake. The vein trends 110\47S and cross-cuts the enclosing black phyllite unit which trends 155\40W. A 1 meter chip sample returned lowly anomalous values of 207 ppm lead and 1.2 ppm silver (MA01 DR5).

Two samples were taken from quartz veining in rhyolite found in road cuts near the southeast end of Maury lake. Past sampling in this area returned high lead-silver values from quartz float material in 1966. The first sample was taken across 1 meter of rhyolite dyke cut by quartz veinlets that contain trace pyrite and returned non-anomalous values (MA01 DR6). The second sample was a grab from poorly exposed vein material in the road ditch. This material had more pyrite and sporadic specks of galena and returned 1731 ppm lead and 8 ppm silver (MA01 BK8). Two samples were taken from angular float dug up during construction of a new road immediately west of the southwest end of Maury lake. They consist of quartz vein material with varying amounts of galena, pyrite, and sphalerite. The first returned values of 12613 ppm lead, 786 ppm zinc, 68 ppm silver, 212 ppm barium, and 196 ppb gold (MA01 DR8), whereas the other returned 859 ppm lead, 170 ppm zinc, 6 ppm silver, and 23ppb gold (M01 BK9). Similar mineralization had been found here by past operators.

A poorly exposed outcrop of quartz-rich rock with fine grained pyrite was found in a new clearcut approximately 800 meters west-southwest of the previous samples. A grab sample across 1.5 meters of this outcrop returned 16194 ppm barium, other elements were non-anomalous (MA01 DR7). This could represent an exhalative unit and may indicate proximity to a hydrothermal vent which has significant implications for VMS style mineralization. The existence of a substantial lead-zinc-silver soil anomaly depicted by past operators and situated about 300 meters northeast of this exposure also could be indicative of proximal VMS style mineralization. This area should be prospected in detail and soil sampling coupled with VLF-EM and ground magnetometer surveys should be carried out.

The Maury showing consists of a wide zone of shearing in quartzite, black phyllite and quartz-sericite schist which contains quartz-carbonate veining and stringers carrying variable amounts of pyrite, chalcopyrite, galena, and sphalerite. The showings are partly exposed in the road right of way and some hand trenching had been conducted on various occurrences just in the bush to the south. The showings were discovered by D. and C. Ridley in 1995 and were staked as the Mahood 1-4 claims although no work was recorded at that time. One day was spent hand trenching during this program and three rock samples were taken. The first was taken from the road trench and consisted of a grab across 20 centimeter wide clay-quartz-limonite altered shear that contained up to 15% pyrite and trace galena. This sample returned 191 ppm copper, 637 ppm lead, 206 ppm zinc, 3 ppm silver, 13% iron, and 19 ppb gold (MA01 DR1). A grab sample from a 2 centimeter wide galena-pyrite vein exposed by hand trenching about 25 meters south of road returned 102 ppm copper, 24383 ppm lead, 138 ppm zinc, 212 ppm silver, 391 ppm bismuth, and 748 ppb

Maury Lake NTS 92P10: Mahood Lake Area, BC



SCALE 1 : 20,000



MAHOOD LAKE PROJECT
 ROCK AND SILT SAMPLE LOCATIONS
 MAURY LAKES AREA FIGURE 4
 P.A.P. 01102 #P-30; DARIN BLACK
 DECEMBER, 2001; DRAWN BY D. RIDLEY

NOTE SAMPLE PREFIX MA01
 X ROCK SAMPLE
 • SILT SAMPLE



gold (MA01 BK7). Another sample taken 1 meter east of BK7 returned 545 ppm molybdenum, 23550 ppm lead, 3556 ppm zinc, 237 ppm silver, 209 ppm bismuth, and 907 ppb gold (MA01 BK12). These results indicate good potential for economic mineralization within the poorly exposed shear zone and additional exploration is highly recommended..

A grab sample of quartz float enclosed by black phyllite was taken from the cut bank of a new road just west of the Maury showing area. Analysis returned values of 108 ppm molybdenum, 398 ppm lead, and 3 ppm silver (MA01 BK11).

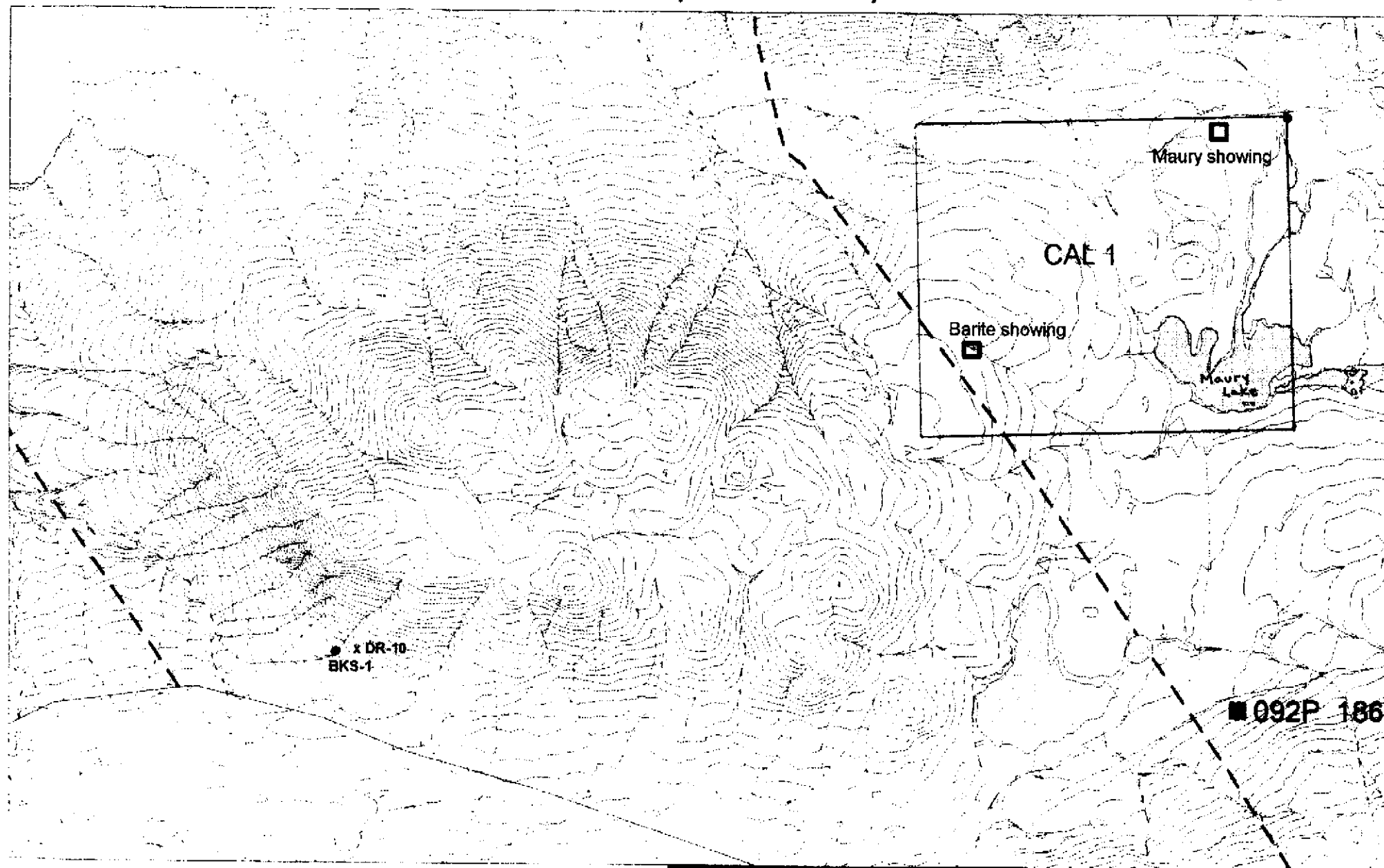
Silt Sampling:

Two silt samples were collected in the Maury lakes area. Both samples sites are situated on the Cal 1 claim and drain an area of high soil geochemical values from past work (Ass. Rpt. #13362). The first sample, taken from a small stream draining to the southeast near rock samples MA01 DR8 and BK 9, returned 48 ppm copper, 34 ppm lead, 148 ppm zinc, 0.9 ppm silver, and 409 ppm barium (MA01 DS5). The second sample, obtained from a small creek draining to the north at Cal 1 post 3W, returned 25 ppm copper, 26 ppm lead, 291 ppm zinc, 0.6 ppm silver, and 330 ppm barium (MA01 DS6). Additional prospecting is highly recommended for the high ground where these streams originate and earlier work found Pb-Zn-Ag-Ba soil anomalies.

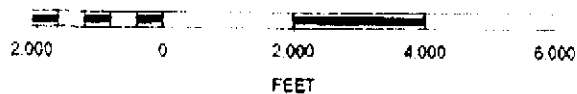
MOUNT MAHOOD

A total of 8 mandays were spent prospecting around the west, south, and eastern sides of the mountain. This work concentrated on prospecting new logging roads and clearcuts. A moderately intense magnetometer high, depicted on regional maps, is situated on the south-western flank and north of Itali lake. Rocks within this zone were found to be foliated greenstone which was cut by dykes and sills of diorite to gabbro. Magnetite is found to be disseminated throughout the greenstone and likely explains this magnetometer anomaly. A grab sample from within the mag anomaly and due south of the peak returned 837 ppm barium and 25 ppb gold (MA0 DR10). This was the only rock sample from this area. A single silt sample, taken from a southwesterly flowing creek which bisects the mag feature and near rock sample DR10, returned values of 55 ppm copper, 57 ppm zinc, 0.7 ppm silver, and 208 ppm barium (MA01 BKS1). Sample locations are plotted on Figure 6 and analysis certificates are included in the appendix.

MAHOOD LAKE AREA; 92P/16; PAP #01/02 P-30



SCALE 1 : 35,000



MAHOOD LAKE PROJECT
ROCK AND SILT SAMPLE LOCATIONS
MT. MAHOOD AREA; FIGURE 6
P.A.P. 01/02 #P-30; DARIN BLACK
DECEMBER, 2001; DRWN BY D. RIDLEY



Conclusions and Recommendations

Based upon a compilation of past work and the results of this prospecting program it can be concluded that the Cal 1 claim has very good potential to host VMS type mineralization in that;

- lithologies present include black, carbonaceous meta-sediments, quartzite, chloritic schist, and quartz-sericite schist which are likely related to Eagle Bay Assemblage. These rocks host numerous VMS type deposits further south in North Thompson area.

- poorly exposed quartz-barite-pyrite outcrops could represent an exhalite unit which is also proximal to a strong, but poorly defined, Pb-Zn-Ag-Ba soil geochemical anomaly as shown by past operators. It is worth noting that the barite outcrop is in a new clearcut which made for greater exposure. The previous operators make no mention of these outcrops and their soil program was of a recon nature.

The Cal 1 claim also has good potential to host economic shear hosted mineralization as exemplified at the poorly exposed Maury showing in the northeast corner of the claim. Limited hand trenching and rock sampling have returned substantial lead-silver and highly anomalous zinc-gold values.

The magnetometer high shown on regional air mag maps on the southern flank of Mt. Mahood is likely caused by disseminated magnetite in greenstones cut by dykes and sills of magnetite-bearing diorite to gabbro.

Prospecting along the south shore of Mahood lake proved disappointing. No mineralization was found to explain minfile occurrence 092P 028 although weakly mineralized quartz veins in Fennel greenstones were found east of Maury creek. However these were enriched in lead and contained lowly anomalous gold whereas the minfile occurrence is reported to be copper-gold rich.

Further work is highly recommended for the Cal claim in the form of grid-based prospecting, geological mapping, soil geochemical and geophysical surveys. Detailed grids should be laid out over the area of quartz-pyrite-barite outcrops and past anomalous soil results in the south western portion of the claim as well as over the Maury showing area to the northeast.

The Maury showing should be opened up with an excavator and detailed mapping and rock sampling would be carried out. The information gathered would aid in interpreting data collected on the larger grid and could potentially expose significant mineralization.

REFERENCES

Campbell, RB, Tipper, HW; 1971; Geology of Bonaparte Lake Area, 92P, GSC Memoir #363.

**Farmer R, Wynne A, 1986; Linecutting and Geophysical surveys on the SB 1-8 Mineral Claims
Ass. Rpt. #15187.**

**Mallaieu DG, Enns SG, Hendrickson G, 1985; 1984 report on the Lizard Claims
Ass. Rpt. #13362.**

**Schiarizza P, Preto VA, 1987; Geology of the Adams Plateau-Clearwater Area,
BCGSB Paper 1987-2**

STATEMENT OF QUALIFICATIONS

I, Robert Darin Black, P.O. Box 199, Forest Grove, BC, V0K 1M0, do hereby certify that;

- 1) I have been employed in the mineral exploration industry intermittently since 1995.
- 2) I carried out the work outlined in this report during the summer of 2001.
- 3) I own an interest in the Cal I claim.
- 4) All statements are true and correct as I know them and this report accurately describes the work done under the terms of the Prospector's Assistance Program.

Dated at Hawkins Lake December 22, 2001

A handwritten signature in black ink, appearing to read 'R. Darin Black', is written over a horizontal dashed line.

Robert Darin Black

STATEMENT OF QUALIFICATIONS

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

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

Dated at Hawkins Lake, BC, December 22, 2001



David Wayne Ridley

ROCK SAMPLE SHEET

Sampler _____
 Date _____

Property _____

NTS _____

SAMPLE NO.	Sample Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
		Rock Type	Alteration	Mineralization						
BK1 MAOI	15cm	QUARTZ URIN	SANDY BLACK PHYLITE	MINOR PYRITE	URIN TREND 340°/45° W GPS.					
BK2 MAOI	F	QUARTZ	LIMONITE	MINOR PYRITE	NOT ENOUGH FOR HAND SAMPLE 10 M FROM CREEK MOUTH (MAURY CR.)					
BK3 MAOI	F	QUARTZ	CARB QUARTZ	" "	150 M UP E SIDE OF MAURY CR. 'UGGY'					
BK4 MAOI	1M	GREENSTONE	SHEAR	" "	URIN TREND 235°/45° SE 30 M ABOVE MAHOD LK. ON POINT OF KNOLL -SEE DR4					
BK5 MAOI	1M	QUARTZ	QUARTZ SERICITE SHAFT	" "	TREND 194°/45° GPS WALL ROCK TREND 035/60° E					
BK6 MAOI	1/2 M	QUARTZ	LIMONITE	" "	314° TREND; VERTICAL DIP; ON ROAD GPS W.R. BLACK PHYLITE					
BK7 MAOI	GRAB	QUARTZ BRECCIA	QUARTZ SERICITE	1/8 GELIENA M. PYRITE	@ MAURY LK. SHOWING -25 M S OF ROAD FROM WIRE GELIENA URIN IN OUTCROP - HAND DUG					
BK8 MAOI	GRAB	QUARTZ	QUARTZ URINING	M. PYRITE GELIENA IN FRACTURE	TREND 110°/70° N -ON RD. UP E SIDE OF MAURY LK. -SEE DR6					
BK9 MAOI	F	QUARTZ	LIMONITE	MINOR GELIENA 1cm SPOTS PYRITE	4 M N OF DR8 @ 3.5 KM ON RD. 9					
BK10 MAOI	45cm	QUARTZ CARB	LIMONITE	MINOR PYRITE	MAHOD LK. E OF QUARTZ URINS (SEE DR9) -ON SHORE W.R. GREENSTONE					
BK11 MAOI	F	RUSTY PHYLITE	QUARTZ LIMONITE	PYRITE	@ FIRST SPUR RD. BEFORE MAURY LK. SHOWING GPS					
BK12 MAOI	GRAB	QUARTZ BRECCIA	QUARTZ SERICITE	MASSIVE QUARTZES DISSEMINATED GELIENA	MAURY LK. SHOWING - DUG UP 1 M E OF BK7 - 1 M DEEP					
BK13 MAOI	1/2 M	GREENSTONE	QUARTZ URIN LIMONITE	PYRITE GELIENA (SPECKS)	SEE BK14					
BK14 MAOI	95-100 cm	GREENSTONE	QUARTZ URIN LIMONITE	GELIENA MINOR PYRITE	JUST ABOVE BK13 (10M) GPS 682956 E 5755915 N					
BK15 MAOI	GRAB	GREENSTONE	LIMONITE	MINOR PYRITE	2 M WIRE SHEAR TREND 072°/55° S GPS 681941 E 5755063 N					

ROLL SAMPLE SHEET

Sampler D. Ridley
Date June to Oct. 2001

Property Mahood Project

NTS 92 P/16

SAMPLE NO.	Sample Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS			
		Rock Type	Alteration	Mineralization					
MA01 DR1	20cm	shear zone	clay quartz pyrite	15-20% pyrite trace galena	① Maury showing: road cut in bank to south + west of former baseline.				
MA01 DR2	F	meta quartzite	limonite	3-5% pyrite	float on small sand bar ~ 20 m upstream on Maury Creek above Mahood Lake.				
MA01 DR3	35cm	greenstone	quartz veins clay	trace pyrite	on Mahood Lake ① silt sample MA01 D64 foliation in greenstone 040/50E: qtz veins hairline to 1cm wide within larger fault gouge zone				
MA01 DR4	F	"	limonite pyrite chlorite	3-5% disseminated py + small 1x5cm massive pods	on Mahood Lake near 679222E: 5733231N see also MA01 BK8				
MA01 DR5	1m	black phyllite	quartz veining	minor pyrite	east of Maury Lake: 688489E: 5749813N dike trending 055/40W wall trend 155/40W quartz vein trends 110/47S				
MA01 DR6	1m	rhyolite dyke	quartz veining	trace pyrite	southeast of Maury Lake: 686323E: 5749675N dyke trends 155/45W fractures @ 110/78N see also BK8				
MA01 DR7	1.5 m	meta quartzite?	quartz pyrite barite	very fine pyrite + blebby massive pods	Cal 1 claim 684104E: 5749913N: poorly exposed outcrop: quartz-barite rich rock cut by numerous bull quartz veins + stringers: possible exhalite??				
MA01 DR8	F	quartz vein	limonite	1-2% galena, pyrite trace sphalerite	Cal 1 claim 684744E: 5750185N: angular float several other pieces nearby see also MA01 BK9				
MA01 DR9	10cm	quartz carbonate vein	quartz carbonate chlorite	minor pyrite	on Mahood Lake above boat landing 677896E 5752342N:				
MA01 DR10	G	qtz-muscovite biotite schist	intrusive veinlets, magnetite garnet	disseminated magnetite minor pyrite	west side Mth Mahood: 680005E: 5747627N				
MA01 DR11	F	massive sulphide	limonite manganese	massive pyrrhotite trace chalcopyrite	just north of Cal 1 claim: 684903E: 5751848N outcrop in area is black phyllites, angular float from road bank.				
BK16 MA01	F	GREENSTONE	QUARTZ CARB.	MINOR PYRITE MAGNETITE	MAHOOD LK. - W OF BK13 - ABOVE CLIFF FACE; VEINING ABOVE				
BK17 MA01	20cm	BASALT TUFF	LI-MONITE	PYRITE - TINY VEINS + SPECKS	ON ROAD #1543 - OUTCROP IN PIT ON EDGE OF ROAD - ON WAY TO PROSPECTING AREA VICOLA ROCKS				

GEOCHEMICAL ANALYSIS CERTIFICATE

Black, Darin File # A102051

P.O. Box 199, Forest Grove BC V0K 1N0 Submitted by: Darin Black

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Mn	K	U	Au**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb	ppb
MA01 DR1	15	191	637	206	3.7	136	80	192	13.14	8	<8	<2	11	95	<2	<3	3	38	.14	.054	10	25	.28	45	.01	8	.51	.04	.09	<2	19	7	12
MA01 DR2	7	60	17	22	.7	58	12	44	1.49	31	<8	<2	2	12	<2	<3	<3	35	.03	.013	4	83	.05	130	.01	3	.14	.04	.04	3	7	3	4
MA01 DR3	<1	40	8	47	<.3	15	16	571	3.40	<2	<8	<2	<2	29	<2	3	<3	90	4.41	.039	2	20	1.25	6	.27	9	1.77	.04	.01	<2	<2	<2	3
MA01 DR4	1	162	5	137	.9	23	17	536	6.98	4	<8	<2	<2	11	1.7	<3	<3	171	.99	.043	1	70	1.72	7	.52	<3	2.19	.04	.04	<2	16	<2	3
MA01 DR5	6	7	207	41	1.2	7	1	39	.84	35	<8	<2	<2	10	.3	4	<3	13	.13	.019	5	90	.16	92	.01	<3	.16	.01	.05	3	<2	2	<2
MA01 DR6	4	6	10	16	<.3	6	1	236	.70	<2	<8	<2	3	7	<2	<3	<3	5	.15	.009	5	33	.25	20	.02	4	.25	.02	.03	10	2	<2	<2
MA01 DR7	6	11	5	22	.7	30	17	46	1.65	7	<8	<2	3	136	<2	<3	<3	54	.11	.052	12	78	.03	16194	.01	<3	2.83	.02	.02	<2	<2	<2	4
MA01 DR8	25	26	12613	786	68.7	12	1	51	1.14	23	<8	<2	<2	11	9.1	30	<3	12	.03	.021	3	39	.04	212	.01	<3	.07	.01	.01	<2	196	2	2
MA01 DR9	4	46	80	50	1.2	18	15	785	5.30	115	<8	<2	<2	34	<2	4	<3	143	3.37	.058	3	58	1.66	124	.03	<3	2.30	.04	.15	3	117	<2	<2
MA01 BK1	5	33	54	38	.8	18	3	176	1.49	<2	<8	<2	<2	35	<2	<3	<3	7	.17	.012	1	33	.09	170	<.01	5	.06	<.01	.02	15	4	3	2
MA01 BK2	1	139	127	75	1.0	30	24	1149	4.12	4	23	<2	14	54	.2	3	<3	12	1.13	.068	12	27	.74	41	.01	<3	.89	.08	.02	<2	20	<2	<2
MA01 BK3	4	6	30	19	<.3	11	2	428	.89	2	<8	<2	<2	74	<2	3	<3	2	.62	.003	1	33	.14	29	.01	<3	.11	.01	.01	10	<2	<2	<2
MA01 BK4	2	202	71	123	2.0	14	1	300	10.03	5	<8	<2	<2	9	<2	<3	<3	214	.45	.027	2	85	1.09	9	.43	<3	1.45	.05	.03	<2	12	5	4
MA01 BK5	1	27	22	40	<.3	34	10	579	3.13	<2	<8	<2	6	124	<2	3	<3	6	2.94	.034	9	17	.71	47	<.01	<3	.31	.03	.13	5	3	<2	<2
MA01 BK6	3	24	11	25	<.3	29	5	243	1.65	<2	<8	<2	3	35	<2	<3	<3	37	.11	.032	6	80	.29	145	.01	<3	.34	.03	.05	3	<2	<2	6
RE MA01 BK6	4	22	11	22	<.3	29	5	235	1.59	2	<8	<2	2	33	<2	<3	<3	35	.10	.029	7	74	.28	141	.01	3	.33	.04	.04	3	5	3	4
MA01 BK7	12	102	24383	138	212.8	29	2	212	1.77	40	<8	<2	<2	69	3.7	83	391	16	.06	.026	4	51	.18	49	<.01	4	.20	.04	.02	9	748	<2	3
MA01 BK8	8	16	1731	24	8.0	11	3	335	1.01	5	<8	<2	4	21	.3	4	9	6	.14	.020	6	73	.16	55	<.01	5	.16	.01	.02	3	9	<2	<2
MA01 BK9	45	49	859	170	6.1	53	3	150	1.61	11	<8	<2	4	17	1.5	4	<3	34	.11	.044	7	50	.19	13	<.01	5	.19	.05	.01	10	23	<2	<2
MA01 BK10	1	151	20	43	.3	33	21	766	3.79	5	<8	<2	<2	33	<2	<3	<3	126	5.34	.040	1	100	1.67	21	.29	<3	2.00	.03	.06	2	3	<2	<2
STANDARD C3/FA-10R	29	67	33	176	6.1	37	11	791	3.35	54	20	<2	22	29	23.1	15	22	87	.57	.087	19	181	.62	150	.09	20	1.87	.04	.16	15	496	472	498
STANDARD G-2	2	3	<3	46	<.3	10	4	559	2.06	<2	<8	<2	5	72	<2	<3	<3	45	.66	.094	8	85	.62	225	.13	6	.93	.07	.47	3	-	-	-

GROUP 10 - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.

UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

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

- SAMPLE TYPE: ROCK R150 60C AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)

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

DATE RECEIVED: JUL 9 2001 DATE REPORT MAILED: July 18/01 SIGNED BY: C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Black, Darin File # A103771

P.O. Box 199, Forest Grove, NC 28043 Submitted by: Darin Black

SAMPLE	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Br	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	M	Au**	Pt**	Pg**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb	ppb
101 DR10	<1	1	3	2	<.3	1	<1	12	.05	<2	<8	<2	<2	3	<.2	<3	3	<1	.12	<.001	<1	7	<.01	5	<.01	<3	.02	.58	.01	<2	<2	<2	2
101 DR11	1	56	4	96	1.1	56	10	553	3.29	5	<8	<2	<2	37	1.2	<3	<3	161	.67	.281	11	98	.91	837	.09	<3	1.46	.04	.58	<2	25	<2	2
101 BK11	<1	2152	381	62	13.0	43	152	1199	43.67	<2	<8	<2	5	14	<.2	<3	30	4	.06	.017	2	11	.18	35	.01	<3	.13	.01	.03	6	45	3	6
101 BK11	108	188	398	184	3.7	105	69	408	6.36	3	<8	<2	2	51	.7	<3	7	51	.45	.023	3	88	.58	39	<.01	<3	.60	.03	.03	<2	5	<2	4
101 BK12	545	30	23550	3556	237.1	164	11	549	5.07	44	<8	<2	3	255	16.8	59	209	13	.61	.047	3	97	.32	48	<.01	<3	.16	.04	.02	<2	907	<2	5
101 BK13	6	213	120	28	1.1	4	18	438	3.11	<2	<8	<2	<2	8	.5	<3	3	27	.81	.021	4	39	.35	56	.07	<3	.96	.07	.24	2	9	<2	<2
101 BK14	4	65	431	11	14.0	8	9	355	1.51	5	<8	<2	<2	6	.4	<3	42	10	.94	.019	1	94	.16	14	.01	<3	.43	.02	.06	2	74	<2	2
101 BK15	15	34	12	138	.3	15	18	804	6.80	43	<8	<2	<2	29	<.2	5	<3	181	.17	.089	1	63	2.51	47	.29	<3	2.18	.06	.06	<2	39	<2	<2
101 BK16	1	69	11	76	<.3	7	12	765	3.63	4	<8	<2	<2	16	.3	<3	<3	44	1.86	.104	1	66	1.17	6	.07	<3	1.52	.04	.01	<2	<2	<2	6
101 BK17	1	118	21	65	.3	636	69	402	5.21	2	<8	<2	<2	87	1.1	4	<3	55	1.22	.086	2	584	4.72	32	.10	4	2.34	.14	.06	<2	2	3	8
101 BK17	1	119	19	65	.3	641	70	405	5.22	2	<8	<2	<2	88	1.0	4	3	56	1.25	.086	2	592	4.75	34	.11	4	2.36	.14	.06	<2	<2	2	9
STANDARD DS3/FA-10R	9	121	34	151	.5	36	12	799	3.12	34	8	<2	<2	27	5.8	6	6	77	.53	.094	17	193	.59	149	.09	<3	1.70	.04	.16	3	488	472	483

GROUP 1D - 0.50 GR SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.

UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

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

- SAMPLE TYPE: ROCK R150 60C AU** PT** PG** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)

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

DATE RECEIVED: OCT 24 2001

DATE REPORT MAILED:

Oct 31/01

SIGNED BY: C.L.

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Black, Darin File # A102050

P.O. Box 199, Forest Grove BC V0K 1M0 Submitted by: Darin Black

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Hg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	U ppm
MA01 DS1	<1	22	11	76	<.3	48	14	517	2.67	9	<8	<2	5	27	.3	<3	4	32	.31	.070	19	38	.91	148	.07	6	1.08	.02	.12	<2
MA01 DS2	<1	20	4	46	<.3	49	13	355	2.25	3	<8	<2	4	29	<.2	3	<3	31	.51	.053	14	37	1.02	128	.10	8	1.04	.03	.15	<2
MA01 DS3	1	41	11	63	<.3	42	12	1852	3.30	10	<8	<2	3	36	.5	<3	<3	42	.98	.075	14	37	.59	216	.06	8	1.34	.02	.14	<2
MA01 DS4	<1	32	7	48	<.3	39	11	370	2.24	5	<8	<2	4	23	.2	<3	<3	41	.55	.050	16	39	.69	134	.09	5	1.17	.02	.11	<2
MA01 DS5	1	48	34	148	.9	97	15	864	3.48	24	10	<2	4	94	.9	<3	3	42	.65	.061	25	45	.68	409	.07	6	2.48	.02	.23	<2
RE MA01 DS5	1	46	30	140	.7	92	14	815	3.33	22	10	<2	4	88	.9	<3	<3	40	.61	.059	24	42	.65	395	.06	5	2.36	.02	.22	2
STANDARD C3	25	64	33	165	5.5	36	10	741	3.31	55	24	2	21	28	22.4	14	22	75	.54	.084	18	161	.56	139	.09	21	1.85	.04	.15	17
STANDARD G2	2	4	4	44	<.3	8	3	511	1.98	<2	<8	<2	5	66	<.2	<3	4	39	.61	.091	7	78	.56	205	.13	7	.88	.07	.45	3

GROUP 10 - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.

UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

- SAMPLE TYPE: SILT SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 9 2001

DATE REPORT MAILED:

SIGNED BY: C. Long

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Black, Darin File # A103772

P.O. Box 199, Forest Grove BC V0K 1N0 Submitted by: Darin Black

AA

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	U
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
G-1	2	4	<3	37	<.3	8	3	520	1.82	4	<8	<2	2	68	<.2	<3	<3	39	.52	.086	8	20	.51	208	.13	<3	.84	.07	.44	2
MA01 BKS1	2	55	15	57	.7	42	11	333	2.55	6	<8	<2	<2	23	.5	<3	<3	82	.73	.050	18	48	.57	201	.09	<3	1.67	.02	.15	<2
MA01 DS6	3	25	26	291	.6	55	16	1012	3.65	17	8	<2	<2	63	.8	3	<3	51	.45	.071	22	51	.69	330	.08	3	2.14	.01	.21	<2
RE MA01 DS6	2	25	26	284	.6	54	16	985	3.61	13	<8	<2	<2	61	.8	<3	<3	50	.44	.071	20	50	.68	328	.07	<3	2.11	.01	.21	<2
STANDARD DS3	9	121	34	151	.5	36	12	799	3.12	34	8	<2	<2	27	5.8	6	6	77	.53	.094	17	193	.59	149	.09	<3	1.70	.04	.16	3

GROUP 10 - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.

UPPER LIMITS - AG, AU, NG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

- SAMPLE TYPE: SILT SS80 60C Samples beginning 'RE' are Refus and 'RRE' are Reject Refus.

DATE RECEIVED: OCT 24 2001 DATE REPORT MAILED: Oct 31/01 SIGNED BY: C. H. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS