

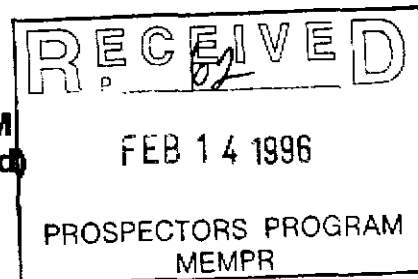
BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
MINISTRY OF ENERGY AND MINES
GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR: 1995/1996

REPORT #: PAP 95-29

NAME: ARTHUR TROUP

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)



B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Requirements/Regulations, section 15, 16 and 17.
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (see section 16) required with this TECHNICAL REPORT.

Name ARTHUR TROUP Reference Number 95/96 P062

LOCATION/COMMODITIES

Project Area (as listed in Part A) GRONSE CREEK, CARIBOO MINFILE No. if applicable _____

Location of Project Area NTS 93 H/3W Lat 53°02' Long 121°28'

Description of Location and Access ROAD ACCESS FROM BARKERVILLE, B.C. IS VIA THE 3100 LOGGING ROAD TO KM 8 THEN ALONG THE GRONSE CREEK PLACEA MINING ROAD TO SHY ROBIN GULCH.

Main Commodities Searched For GOLD

Known Mineral Occurrences in Project Area THE CARIBOO GOLD QUARTZ MINE IS LOCATED 8 KM NORTH WEST OF THE PROPERTY

WORK PERFORMED

1. Conventional Prospecting (area) 150 HECTARES - 12 ROCK CHIP SAMPLES
2. Geological Mapping (hectares/scale) HANDMADE BY EXTENSIVE TIE CORRECTION
3. Geochemical (type and no. of samples) 73 SOIL SAMPLES, 22 SILT, 1 PAN CONCENTRATE
4. Geophysical (type and line km) MAGNETOMETER - 5.2 LINE KM.
5. Physical Work (type and amount) _____
6. Drilling (no., holes, size, depth in m, total m) _____
7. Other (specify) _____

SIGNIFICANT RESULTS

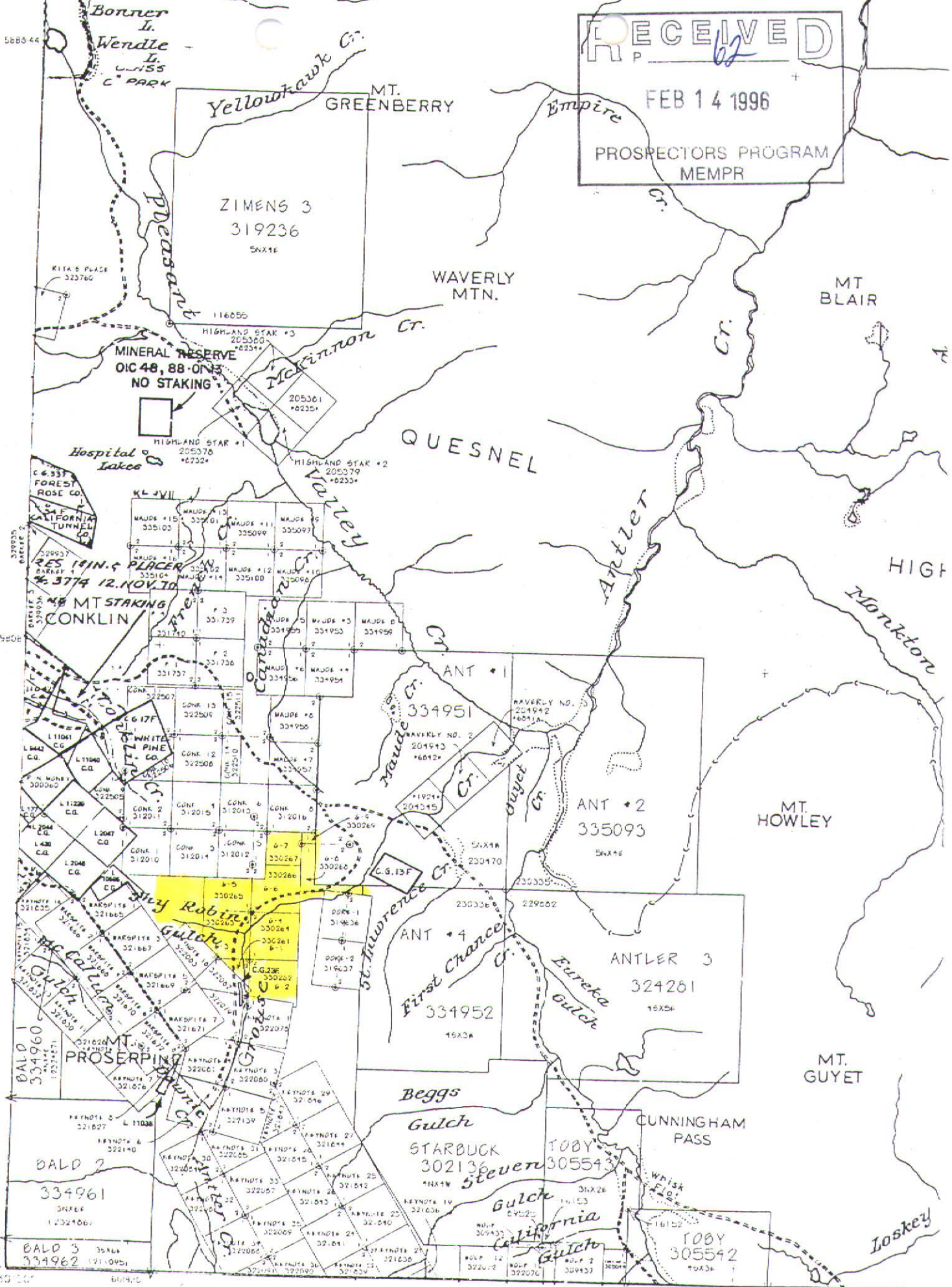
Commodities GOLD Claim Name G-1 to G-4

Location (show on map) Lat 53°01'55" Long 121°27'40" Elevation 4,700'

Best assay/sample type BEST ROCK CHIP SAMPLE 525 PPB GOLD
BEST SOIL SAMPLE 6,400 PPB GOLD

Description of mineralization, host rocks, anomalies GOLD MINERALIZATION IS ASSOCIATED WITH QUARTZ VEINS AND VENEERS AND WITH PYRITE AND PYRRHOTITE REPLACEMENT BODIES. THE MINERALIZATION OCCURS ALONG SHEARS AND FAULT ZONES THAT CUT THE DOWNWAY SUCCESSION OF THE LOWER PALAEOZOIC SNOUWSHOE GROUP. MINERALIZED ZONES ARE SILICIFIED AND CARBONATIZED. ASSOCIATED PATHFINDER ELEMENTS ARE ARSENIC AND LEAD.

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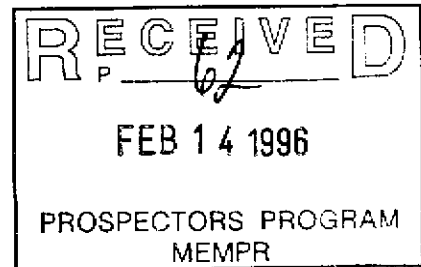


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**PROSPECTING
GEOCHEMICAL AND GEOPHYSICAL
REPORT ON THE
GROUSE CREEK GOLD PROSPECT
CARIBOO MINING DIVISION, B.C.**

N.T.S. 93H/3W



BY

A.G. TROUP, P.Eng.

February 1996

| CLAIMS WORKED | | | |
|----------------------|---|-----------------------|----------------------|
| CLAIM NAMES | UNITS | RECORD NUMBERS | ANNIVERSARIES |
| G-1 to G-9 | 9 | 330261 - 330269 | AUGUST 20 |
| G-10 | 1 | 337731 | JULY 9 |
| LOCATION: | 53°02' North Latitude 121°28' West Longitude | | |
| OWNER: | A.G.TROUP | | |
| OPERATOR: | A.G.TROUP | | |

**PROSPECTING
GEOCHEMICAL AND GEOPHYSICAL
REPORT ON THE
GROUSE CREEK GOLD PROSPECT
CARIBOO MINING DIVISION, B.C.**

SUMMARY:

The Grouse property is a gold prospect located in central British Columbia, approximately 70 km east of Quesnel and 5 km southeast of Barkerville. The property is located in the Cariboo Mining Division and is comprised of 10 two post mineral claims.

In July 1995, a reconnaissance exploration program entailing prospecting, rock chip sampling, geochemical sampling and a magnetometer survey was carried out over the property. Field work was carried out from July 8 to July 18, by a two person crew working out of the Hub Motel in the nearby community of Wells, B.C.

Geophysical work involved running 5.2 line km of magnetometer coverage on five lines across the head of the rich placer gold pay channel. The survey succeeded in defining a strong positive magnetic anomaly situated at the head of the rich placer gold pay streak.

Geochemical sampling involved taking a total of 22 stream sediment samples, 73 soil samples, and 12 rock chip samples over the property. Analytical results showed anomalous gold concentrations in many of the samples. The greatest gold concentrations were obtained from soil and rock chip samples taken over the Grouse Shear Zone and the magnetic anomaly east of Shy Robin Gulch.

Additional work entailing basal till sampling, trenching, and an expanded geophysical survey is recommended.

**PROSPECTING
GEOCHEMICAL AND GEOPHYSICAL
REPORT ON THE
GROUSE CREEK GOLD PROSPECT
CARIBOO MINING DIVISION, B.C.**

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**PROSPECTING
GEOCHEMICAL AND GEOPHYSICAL
REPORT ON THE
GROUSE CREEK GOLD PROSPECT
CARIBOO MINING DIVISION, B.C.**

1.0 INTRODUCTION:

In July 1995, a reconnaissance exploration program was carried out over the Grouse Creek gold property in south central British Columbia. The primary purpose of the program was to identify target areas for future exploration on ten recently acquired two post mineral claims. The program involved carrying out prospecting, rock chip sampling, stream sediment sampling, soil sampling, and a magnetometer survey over the property.

The writer initially worked in the region of the property for Rio Algom Mines Ltd. in the early 1970's and since then has repeatedly been involved with regional and property work over the area. The present program was carried out from July 8 to July 18, by a two person crew working out of the Hub Motel in the nearby community of Wells, B.C.

1.1 LOCATION AND ACCESS:

The Grouse Creek Gold Property is located on the west side of the Cariboo Mountains in central British Columbia. The claims are located in mountainous terrain approximately 70 km east of Quesnel, B.C. and 5 km southeast of Barkerville, B.C. The centre of the property is defined by latitude 53°02'N and longitude 121°28'W.

Good access to the centre of the property is provided by the Grouse Creek placer mining road which intersects the Cunningham Pass Forest Service Road nine km by road from Barkerville.

1.2 PHYSIOGRAPHY, VEGETATION AND CLIMATE:

The property is located in a transition zone between the Interior Plateau to the west and the Cariboo Mountains to the east. The Interior Plateau is a rolling upland surface at an altitude of approximately 1,500 m with a regional dip of about 14 m per km to the southwest. Over the property the surface is moderately well dissected with a local relief of about 200 m. Immediately to the east over the Cariboo Mountains proper, local relief increases to over 1,800 m.

The tree line occurs at an elevation of approximately 1,900 m and therefore the entire property is covered with mature stands of fir. In the valleys and along wet slopes black spruce, aspen, dwarf birch, tag alder and willow are also encountered.

An extensive blanket of glacial ground moraine covers most of the property. Rock exposures account for less than 5% of the property and are confined to creek beds and the flanks and crests of hills.

The climate is typical of the central interior, with short, warm, summers and moderately long, cold, winters. Temperatures range from in excess of 25°C in August to minus 30°C in January. The average annual precipitation is 75 cm with most of this falling as snow in late fall, winter and early spring. The snow free period lasts from mid-May to mid-October.

1.3 PROPERTY INFORMATION:

The property is located in the Cariboo Mining Division and is comprised of 10 two post mineral claims. Pertinent claim information is given in Table 1 below.

| TABLE 1 | | | |
|-----------------------|--------------|-----------------------|----------------------|
| LIST OF CLAIMS | | | |
| CLAIM NAMES | UNITS | RECORD NUMBERS | ANNIVERSARIES |
| G-1 to G-9 | 9 | 330261 - 330269 | AUGUST 20 |
| G-10 | 1 | 337731 | JULY 9 |

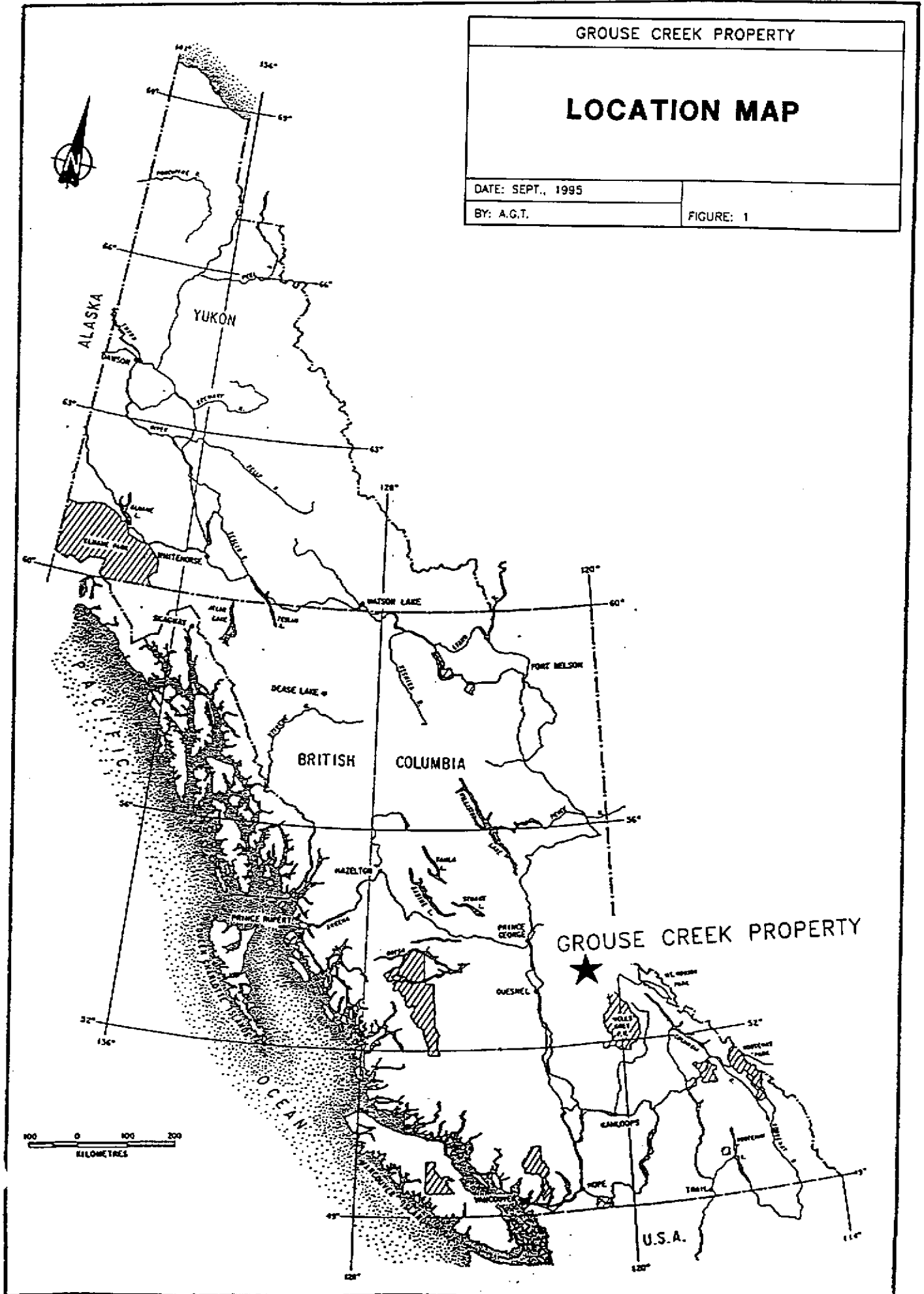
GROUSE CREEK PROPERTY

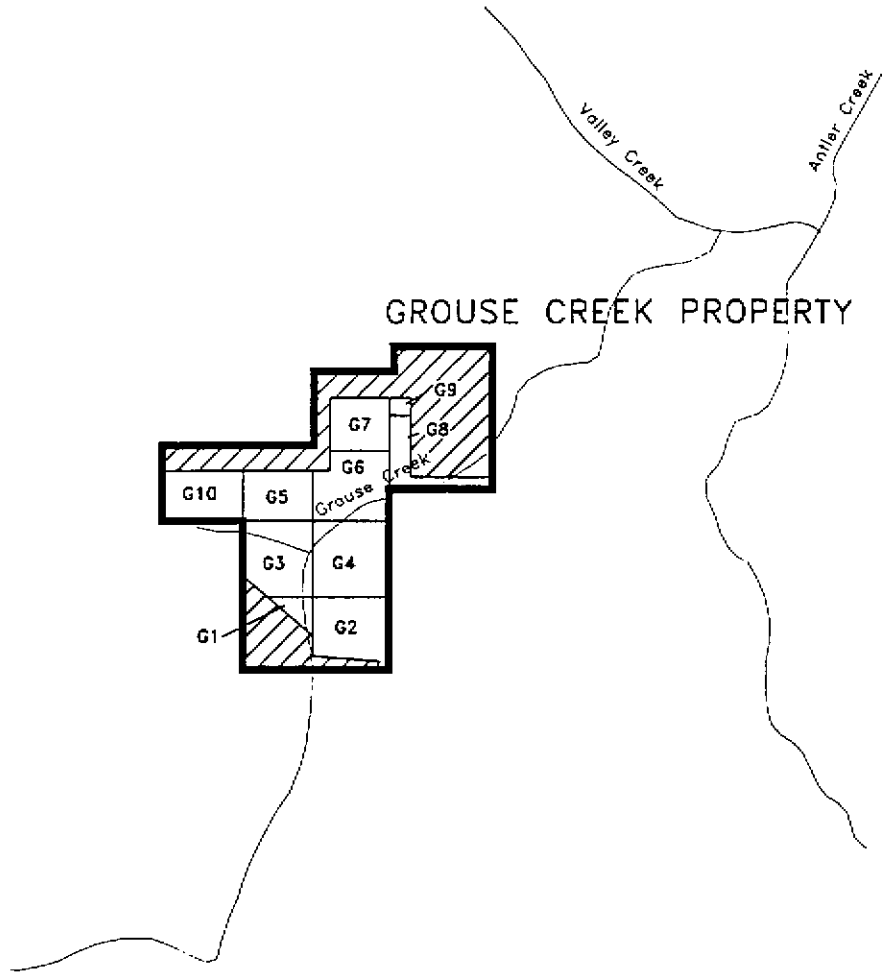
LOCATION MAP

DATE: SEPT., 1995

BY: A.G.T.

FIGURE: 1





| | |
|------------------------------------|-----------|
| GROUSE CREEK PROPERTY | |
| CLAIM MAP | |
| <p>0 1 2 km Scale 1:50,000</p> | |
| DATE: SEPT., 1995 | FIGURE: 3 |
| BY: A.C.T. | |

1.4 HISTORY:

Placer gold was initially discovered on Grouse Creek in 1861. The discovery claim was staked below the bend in the creek about 500 m downstream from the mouth of Shy Robin Gulch. In 1864 the discovery of the rich Heron Claim 1.0 km downstream from the discovery claim made this creek one of the most famous creeks in the Barkerville gold camp.

A rush developed and by 1867 more than 35 companies were mining on Grouse Creek. It is estimated that the Heron claim alone produced more than one million dollars worth of gold when gold was \$16.00/oz.

The rich paystreak was mined out prior to the first government records in 1874. There are thus no accurate records of the total gold production from this creek. The government records state that the rich placer gold pay streak was 2.0 km long, extending upstream from the Heron Claim to just above the mouth of Shy Robin Gulch.

In 1876 in an effort to stabilize the economy of the area a four ton stamp mill was erected at Richfield. The mill treated ore from the Bonanza Ledge at the head of Lowhee Creek, Blackjack Canyon on Williams Creek, and from Six-Mile Creek a tributary of Swift River. The provincial government financially assisted these early efforts to develop the numerous quartz veins of the area, and in 1885 the Geological Survey of Canada undertook the first systematic geological investigations of the camp.

The first lode mine of significance was the Cariboo Gold Quartz mine located near Wells, 8 km northwest of the Grouse Creek Property. Production from quartz-pyrite veins commenced in 1933 and continued until the mine closed in 1967. In 1934 the Island Mountain Mine located 1 km west of Wells was developed and produced gold until 1954 from quartz-pyrite veins and stratiform massive pyrite lenses. In 1980 the Mosquito Creek Mine located immediately north of the Island Mountain deposit was developed and produced gold from stratiform massive pyrite lenses until 1987. Combined production from the three producers totaled 1,232,063 ounces of gold and 149,520 ounces of silver.

The first report of lode gold exploration on Grouse Creek was the staking of the Independence and Hard Cash claims near the head of Grouse Creek in 1916 by E.E.Armstrong. A small rush developed that lead to the staking of more than 30 Crown Grants that have been worked and held until the present time. Several small showings have been found but the source of the rich placer deposits along Grouse Creek has remained undiscovered.

1.5 WORK DONE IN 1995:

The following field work was completed during the period from July 8 through July 18, 1995:

- (a) Prospecting and rock chip sampling was carried out over the entire property.
- (b) Reconnaissance stream sediment sampling was carried out over the entire property.
- (c) Reconnaissance soil sampling was carried out along three lines on the property.
- (d) Five line km of magnetometer coverage were run over the head of the placer pay streak on the claims.
- (e) The initial post for the adjacent Keynote 1 & 2 claims was located and tied in to the property border.

2.0 GEOLOGY:

The Grouse Creek property is located within the Barkerville Terrane of the Omineca belt. The Barkerville Terrane is bounded on the east by the Pleasant Valley Thrust across which it adjoins the Hadrynian to Lower Paleozoic Cariboo Terrane rocks. To the west it is in thrust contact with Triassic Quesnellia Terrane rocks. The Barkerville Terrane is underlain by an unknown basement and overlain by the tectonically emplaced Slide Mountain Terrane.

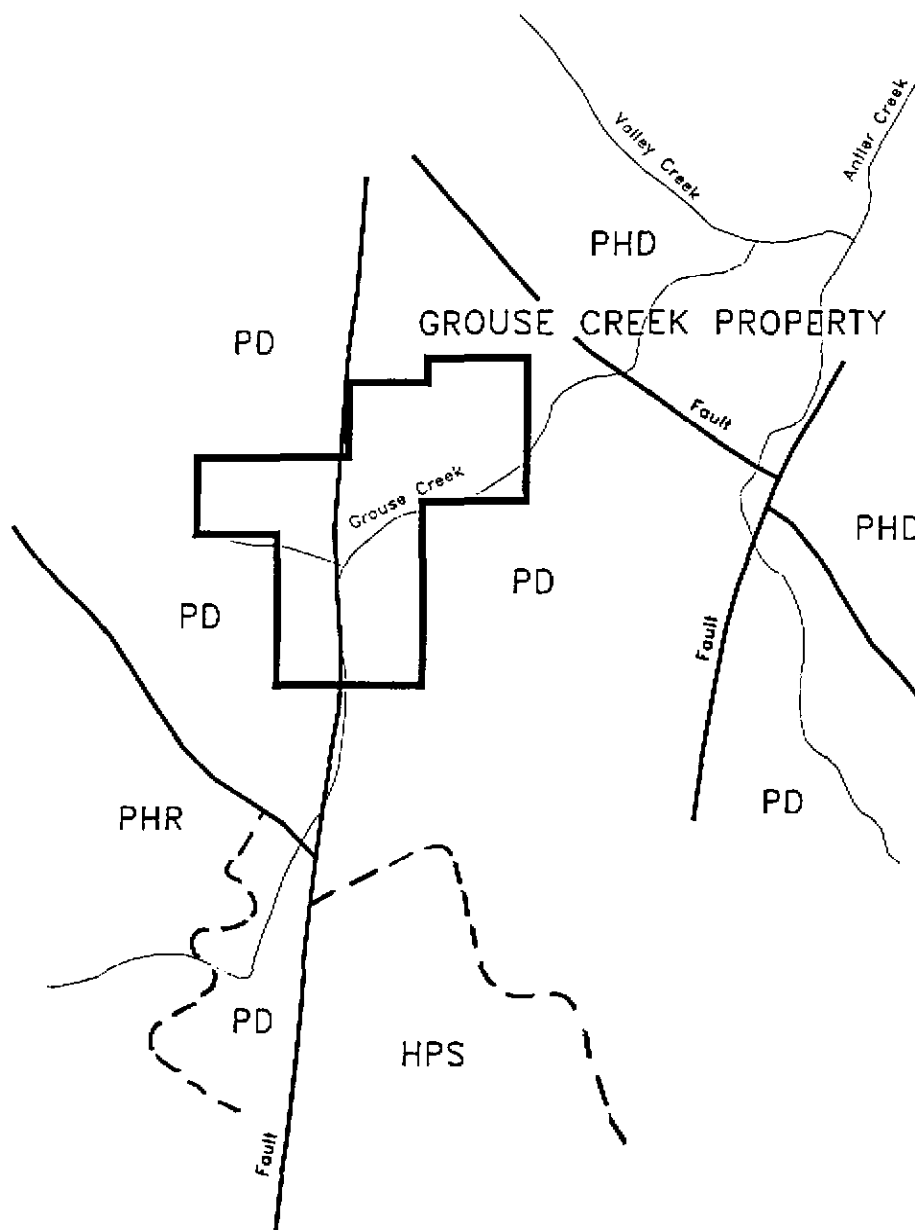
The strata of the Barkerville Terrane have been divided into one formal and several informal units. The Snowshoe Group is the formal unit and is made up of 14 subdivisions (Struik, 1988).

The Grouse Creek property is entirely underlain by a single member of these sub-units, the Downey succession. The Downey succession is here comprised of olive and grey micaceous quartzites, phyllite, marble, limestone, calcareous quartzite and tuff. The unit is characterized by its abundant marble and tuff. The quartzite commonly is brown weathering because of abundant porphyroblasts of ankerite and siderite.

The rocks have all been subjected to low-grade regional metamorphism and intense deformation but they still commonly show bedding and other sedimentary features. Deformation has impressed a marked secondary foliation on almost all clastic rocks and some carbonate rocks. Most rocks have a marked dimensional orientation involving mica, quartz, feldspar, and even carbonate minerals.

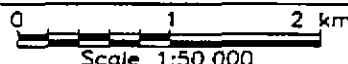
2.2 ECONOMIC GEOLOGY:

Previous exploration has located several small gold showings in the vicinity of the Grouse Creek property. Mineralization is comprised of free gold associated with two sets of quartz veins, referred to in the literature as the "A veins" and the "B veins" (Johnson & Uglow, 1926). The A veins are large northwest striking bodies of milky white quartz that tend to follow the foliation of the host rocks. They are sparsely mineralized with pyrite and seldom carry significant gold values. The B veins strike northeasterly and crosscut the earlier A veins. They are generally narrow, from a centimetre or less up to 1.5 metres in width. They usually carry significant concentrations of pyrite, arsenopyrite, galena and siderite and locally may be mineralized with pyrrhotite, sphalerite and scheelite. Often the best gold grades occur at the junction between the two sets of veins. The showings reported in the vicinity of Grouse Creek are described briefly below.



Legend:

- PHM Hardscrabble Mountain succession: black siltite and phyllite, grey micaceous quartzite, limestone, minor metatuff?; greywacke, muddy conglomerate.
- PD Downey succession: olive and grey micaceous quartzite and phyllite
- PHR Harveys Ridge succession: dark grey and grey micaceous quartzite, and interbedded dark grey phyllite.
- HPS Showshoe Group undifferentiated

| | |
|---|-----------|
| GROUSE CREEK PROPERTY | |
| REGIONAL GEOLOGY | |
|  | |
| DATE: SEPT., 1995 | FIGURE: 2 |
| BY: A.G.T. | |

HARD CASH ADIT (Minfile 93H052)

The Hard Cash Adit is located on the west side of Grouse Creek one km south of Shy Robin Gulch. The Hard Cash claim was located by E. Armstrong in 1916 and was considered one of the more important claims in the camp. The claim was explored by prospecting, trenching and drilling until 1946. In 1939 a 300 m adit was driven west from Grouse creek (Sutherland Brown, 1957). The face of this adit stopped approximately 100 m east of the portal of the Newberry adit on the adjacent Independence claim. The adit passed through grey micaceous quartzites and phyllite and one 25 m wide bleached and silicified alteration zone. The only gold bearing quartz veins encountered were two small B veins near the face and an irregular cluster of small veins near the portal. The latter were weakly mineralized with pyrite and galena. The best reported assay was 2.74 g/T gold across 1.2 m of barren looking quartz.

LORD DUFFERIN ADITS (Memoir 149)

The Lord Dufferin Workings are located along Grouse Creek 750 m south of the Hard Cash Adit. Here a two metre wide vein of white quartz carrying minor amounts of disseminated pyrite strikes northwest across the creek. On the west side of the creek an adit was driven along the vein for 10 m to where it was cut off by a fault. On the east side of the creek the vein was followed with an adit for 55 m. Near the face the vein became very narrow and split up into stringers. A 1926 government report states that a 10 ton sample of the quartz carried \$7 - \$8 per ton in gold.

INDEPENDENCE SHOWING (Minfile 93H051)

The Independence workings are located 400 m west of the Hard Cash Adit on the north slope of Mt. Proserpine. The Independence claim was located in 1916 and since then has been extensively explored by drilling, trenching and 400 m of underground drifting in two adits, the Bell and Newberry adits. Numerous small occurrences of A and B quartz veins have been reported over an area measuring 250 m by 400 m. The best reported assay was 14.88 g/T gold across 81 cm intersected by drilling in 1984.

WARSPIT ADIT (Minfile 93H048)

The Warspit Showing is situated 1.2 km southwest of the mouth of Shy Robin Gulch on the north shoulder of Mt. Proserpine. The Warspit claim was staked in 1917 over two northwest striking A quartz veins up to 3.8 metres in width. The A veins are intersected by several narrow northeast striking B veins up to 0.9 metres in width. The

veins contain variable amounts of pyrite, arsenopyrite, galena and sphalerite. They have been explored with more than 400 metres of underground workings, several thousand metres of trenching, and numerous pits, shafts and diamond drill holes. An adjacent, 9.0 metre thick bed of white, silicified and pyritized quartzite has been traced by underground drifting and surface drilling for 120 metres.

A selected sample taken from the junction of an A and B vein in 1926 assayed 22.8 g/T gold. A selected sample of the altered quartzite intersected in a drill hole assayed 3.4 g/T gold.

TIPPERARY SHOWING (Minfile 93H051)

The Tipperary Showing is located 500 m south of the Warspit Adit on the north side of Mt. Proserpine. A northwest striking quartz vein up to 1.2 m wide cuts argillite and quartzite. The vein carries small amounts of disseminated pyrite, arsenopyrite and galena. Minor gold values and silver values up to 377 g/T have been reported.

3.0 GEOCHEMISTRY:

In July 1995 an orientation geochemical sampling program was carried out over the Grouse Creek Property. This program resulted in the collection of 22 stream sediment samples and 73 soil samples. Sample locations are shown on Figure 4.

3.1 GEOCHEMICAL PROCEDURES:

Stream sediment samples were taken along 18 first order streams draining the Grouse Creek property. In the field, active stream sediment was placed in craft paper envelopes and air dried. The samples were sent to Chemex Labs Ltd. in Vancouver for analysis. In the laboratory the samples were dried at 80°C then sieved to minus 35 mesh and the coarse fraction discarded. The fine fraction was pulverized to minus 150 mesh and analysed for gold by atomic absorption after fire assay preconcentration. Analyses for an additional 32 elements were obtained by routine ICP methods.

Soil samples were taken from the B or C soil horizon, at 50 metre intervals, along three reconnaissance lines run over the property. The samples were sent to Chemex Labs Ltd. in Vancouver. In the laboratory the samples were screened to minus 35 mesh, and ring pulverized prior to analysis. Analyses for gold and 32 additional elements were obtained in similar fashion to the stream sediment samples.

Gold, arsenic and lead analytical results for soil, stream sediment, and rock chip samples are shown on Figure 4 at a scale of 1:5,000.

3.2 GEOCHEMICAL RESULTS:

Soil sample results show highly significant gold concentrations to exist along the 9+00W, 10+00W and 22+00N soil lines.

Along the 9+00W soil line very anomalous gold concentrations occur between 19+00N and 20+50N. The highest gold value, of 2,310 ppb, occur over the magnetic anomaly at 19+00N and the adjacent anomalous samples are located down slope and down drainage from this geophysical feature.

Along the 10+00W soil line consistently anomalous gold values occur between 11+00N and 18+00N with only two widely separated anomalous values along the rest of the line. The highest gold concentrations, up to 6,400 ppb, occurs at 13+50N and coincides with the highest arsenic value of 9,910 ppm. The results show elevated arsenic values up to 9,910 ppm and elevated lead values up to 320 ppm to accompany the anomalous gold values in this area. The anomalous samples occur over an area of

shallow overburden on the west side of Grouse Creek. The soil line here follows the trace of the Grouse Creek Fault as mapped by Struik, 1988.

Along the 22+00N soil line anomalous gold concentrations occur scattered along the entire length of the line. The highest gold value, of 560 ppb, occurs where the line crosses Grouse Creek and therefore may be reflecting placer gold.

The stream sediment results show weakly anomalous gold concentrations in many small streams draining this property. With the exception of one sample at the head of Canadian Creek, near the north end of the property, all of the anomalous values are from small tributaries to Grouse Creek in the vicinity of the above described soil anomalies. The highest gold values up to 120 ppb were obtained from several small streams draining an active placer mining operation near the south end of the property.

4.0 PROSPECTING & ROCK CHIP SAMPLING PROGRAM:

In the course of prospecting the property 12 rock chip samples were taken from showings, quartz veins and angular blocks of mineralized float. Wherever possible the samples were taken perpendicular to the strike of the mineralized zones. Samples were taken by hand using hammers and chisels. On exposed faces weathered rock was removed in an attempt to minimize the affect of surface leaching.

The samples were sent to Chemex Laboratories Ltd. in North Vancouver, B.C. where they were assayed for gold by standard fire assay methods. Analyses for an additional 32 elements were obtained by conventional ICP methods.

4.1 ROCK SAMPLE RESULTS:

Rock sample descriptions and gold assays are given in Table 2 and sample locations and analytical results for gold, arsenic and lead are shown on Figure 4. The results show detectible gold concentrations in 5 of the 12 samples.

The highest gold concentration of 525 ppb was obtained from a carbonate alteration zone associated with the magnetic anomaly near Shy Robin Gulch. The second highest value of 410 ppb was obtained from a weak stockwork of quartz-pyrite veinlets emplaced along the Grouse Creek shear zone near the south end of the property.

ICP results show elevated silver, lead, zinc and arsenic concentrations to accompany the anomalous gold values.

TABLE 2
ROCK SAMPLE DESCRIPTIONS AND GOLD ASSAYS

| SAMPLE NO. | GOLD (ppb) | DESCRIPTION |
|------------|------------|--|
| RG-1 | 0. | Chip sample across stockwork of quartz-carbonate veinlets cutting chlorite schist. Approximate location is 27+80N, 10+00W. |
| RG-2 | 0. | Carbonatized boulder in bed of Grouse Creek. Possible bedrock. Approximate location is 26+00N, 10+50W. |
| RG-3 | 0. | 10 cm wide quartz-carbonate vein. Vein cuts chlorite schist and strikes 125°/80°N. |
| RG-4 | 90. | Angular quartz-carbonate boulder with disseminated galena. Approximate location is 22+00N, 4+50W. |
| RG-5 | 15. | Angular quartz-carbonate boulder at 5+50W, 20+50N. |
| RG-6 | 525. | Carbonatized outcrop cut by 5.0 cm quartz vein. Creek bed exposure at 8+25W, 20+50N. Vein strikes 020°/85°W. |
| RG-7 | 0. | Angular quartz-carbonate boulder at 18+00N, 8+50W. |
| RG-8 | 410. | Quartz-carbonate veinlets up to 3.0 cm wide cut quartzite. Veinlets strike 030°/90°. Location 10+00W, 15+60N. |
| RG-9 | 0. | Quartz-carbonate veinlets up to 2.0 mm wide cut quartzite. Veinlets strike 010°/80°E. Location 10+00W, 15+30N. |
| RG-10 | 5. | Carbonatized Boulder cut by Quartz veinlets. Approximate location 9+00W, 14+75N. |

TABLE 2 (cont'd)

| <u>SAMPLE NO.</u> | <u>GOLD (ppb)</u> | <u>DESCRIPTION</u> |
|-------------------|-------------------|--|
| RG-11 | 0. | Quartz-carbonate veinlets up to 3.0 cm wide cut chlorite schist. Veinlets strikes 045°/90°. Location 10+00W, 12+50N. |
| RG-12 | 0. | 15 cm wide quartz-carbonate vein exposed in placer workings at 10+00W, 10+70N. Vein strikes 140°/50°N. |

5.0 GEOPHYSICS:

In order to determine if geophysical methods could be used to locate gold mineralization on the property, five lines of magnetometer coverage were run over the head of the rich placer gold pay streak on Grouse Creek. Line locations are shown on Figure 5.

The magnetometer survey was carried out using an MP2 proton precision magnetometer manufactured by Scintrex of Toronto, Ont. This instrument measures variations in the earth's magnetic field to an accuracy of plus or minus 1 gamma. Corrections for diurnal variations were made by taking readings at a central base station at one hour intervals.

5.1 MAGNETOMETER RESULTS:

Magnetometer results are shown on Figure 5 at a scale of 1:5,000. The results show a strong, positive, 300 gamma, magnetic anomaly located immediately east of Grouse Creek opposite the mouth of Shy Robin Gulch. The anomaly was traced for 500 m to the east border of the property. The magnetic body has been folded by metamorphism but has a general northwest strike conformable to bedding and appears to dip to the southwest. In the crest of the fold at 17+00N, 7+50W the body appears to thicken and could be up to 50 metres wide.

Intense placer mining activity has taken place along the north, south and west margins of this anomaly suggesting that the feature may in some way be associated with the source of the placer gold.

6.0 DISCUSSIONS AND CONCLUSIONS:

The results of work completed to date over the Grouse Creek Property may be summarized as follows:

(a) The property is underlain by the same geologic units that host the former Cariboo Gold Quartz, Island Mountain and Mosquito Creek gold mines just 8 km to the northwest.

(b) Although hampered by an extensive blanket of glacial till, previous exploration programs discovered five widely spaced showings in the vicinity of the property.

(c) Stream sediment sampling completed in 1995 shows detectible gold concentrations in 10 of the 21 streams sampled on the property. The highest gold values were obtained from streams draining an active placer operation near the south end of the property.

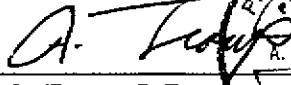
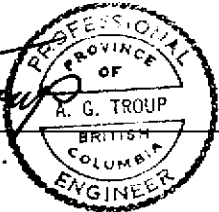
(d) A magnetometer survey carried out during the present program showed a strong, 300 gamma, anomaly at the head of the rich placer gold pay streak along Grouse Creek. The anomaly is situated on the east side of Grouse Creek opposite the mouth of Shy Robin Gulch.

(e) Reconnaissance soil sampling completed in 1995 revealed detectible gold concentrations in more than half of the samples taken over the property. The highest concentrations up to 6,400 ppb gold were obtained along the Grouse Shear Zone near the south end of the property. Elevated lead and arsenic values accompanied the anomalous gold values in this area. The second strongest gold anomaly up to 2,310 ppb Au occurs down slope from the magnetic anomaly near Shy Robin Gulch.

(f) Anomalous gold concentrations were obtained from four widely separated rock samples taken over the property. The highest concentration of 525 ppb was obtained from a carbonate alteration zone associated with the magnetic anomaly east of Shy Robin Gulch. The second highest value of 410 ppb was obtained from a weak stockwork of quartz-pyrite veinlets emplaced along the Grouse Creek shear zone near the south end of the property.

The above results have defined two targets, the Grouse Creek Shear Zone and the unexplained magnetic anomaly, that are possible source areas for the placer gold. Additional exploration should be carried out over these areas. This work should initially entail basal till sampling, trenching, and several additional lines of geophysical coverage.

Submitted at Vancouver, British Columbia,
this 14th day of February, 1996.


A.G. Troup, P.Eng. 

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- Tipper, H.W., et. al., 1979; Parsnip River, British Columbia, Sheet 93: G.S.C. Map 1424A.

APPENDIX



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To: TROUP, ART

3605 CREERY AVE.
 WEST VANCOUVER, BC
 V7V 2M3

Project: GROUSE
 Comments: ATTN: A. TROUP

Part Number: 1-A
 Total Pages: 3
 Certificate Date: 30-JUL-95
 Invoice No.: 19522520
 P.O. Number:
 Account: MVJ

CERTIFICATE OF ANALYSIS A9522520

| SAMPLE | PREP CODE | | Au ppb | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|-----------|-----------|-----|--------|--------|------|--------|--------|--------|--------|------|--------|--------|--------|--------|------|--------|--------|------|--------|------|--------|
| | | | FA+AA | | | | | | | | | | | | | | | | | | |
| SSG-01 | 203 | 205 | < 5 | 0.2 | 1.00 | 22 | 40 | < 0.5 | 2 | 0.51 | < 0.5 | 20 | 38 | 63 | 3.76 | < 10 | < 1 | 0.10 | 40 | 0.35 | 765 |
| SSG-02 | 203 | 205 | 15 | 0.2 | 1.61 | < 2 | 100 | < 0.5 | < 2 | 0.17 | 0.5 | 6 | 41 | 29 | 2.20 | < 10 | < 1 | 0.07 | 30 | 0.21 | 70 |
| SSG-03 | 203 | 205 | < 5 | 0.2 | 1.05 | 26 | 120 | < 0.5 | < 2 | 1.14 | < 0.5 | 17 | 61 | 39 | 3.61 | < 10 | < 1 | 0.10 | 20 | 0.63 | 560 |
| SSG-04 | 203 | 205 | 10 | 0.4 | 0.74 | 18 | 90 | < 0.5 | < 2 | 1.04 | < 0.5 | 9 | 75 | 30 | 2.35 | < 10 | < 1 | 0.11 | 20 | 0.18 | 1025 |
| SSG-05 | 203 | 205 | 10 | 0.2 | 0.81 | 26 | 90 | < 0.5 | < 2 | 0.42 | < 0.5 | 14 | 69 | 35 | 3.16 | < 10 | < 1 | 0.11 | 30 | 0.34 | 1210 |
| SSG-06 | 203 | 205 | < 5 | 0.2 | 0.89 | 18 | 140 | < 0.5 | < 2 | 0.41 | < 0.5 | 14 | 89 | 30 | 3.04 | < 10 | < 1 | 0.09 | 20 | 0.39 | 1380 |
| SSG-07 | 203 | 205 | < 5 | 2.2 | 0.70 | 4 | 80 | < 0.5 | < 2 | 2.44 | < 0.5 | 4 | 41 | 113 | 0.75 | < 10 | < 1 | 0.06 | 90 | 0.15 | 320 |
| SSG-08 | 203 | 205 | < 5 | 2.0 | 1.20 | 12 | 80 | < 0.5 | < 2 | 2.11 | 0.5 | 10 | 58 | 46 | 1.93 | < 10 | 2 | 0.14 | 20 | 0.34 | 795 |
| SSG-09 | 203 | 205 | < 5 | 0.6 | 0.56 | 26 | 100 | < 0.5 | < 2 | 2.84 | < 0.5 | 6 | 25 | 18 | 1.26 | < 10 | < 1 | 0.09 | < 10 | 0.23 | 595 |
| SSG-10 | 203 | 205 | 25 | 0.4 | 0.70 | 22 | 120 | < 0.5 | < 2 | 0.38 | < 0.5 | 8 | 57 | 16 | 2.16 | < 10 | 1 | 0.08 | 30 | 0.09 | 1200 |
| SSG-11 | 203 | 205 | < 5 | 0.4 | 0.45 | 14 | 80 | < 0.5 | < 2 | 1.23 | < 0.5 | 8 | 57 | 33 | 1.96 | < 10 | 1 | 0.13 | 10 | 0.19 | 1185 |
| SSG-12 | 203 | 205 | < 5 | 0.4 | 0.77 | 24 | 40 | < 0.5 | < 2 | 0.15 | < 0.5 | 15 | 79 | 42 | 3.54 | < 10 | < 1 | 0.11 | 30 | 0.29 | 470 |
| SSG-13 | 203 | 205 | 15 | 1.0 | 0.82 | 32 | 90 | < 0.5 | < 2 | 0.33 | < 0.5 | 15 | 65 | 38 | 3.23 | < 10 | < 1 | 0.15 | 30 | 0.23 | 1025 |
| SSG-14 | 203 | 205 | < 5 | < 0.2 | 0.54 | 18 | 50 | < 0.5 | < 2 | 0.17 | < 0.5 | 11 | 79 | 34 | 3.03 | < 10 | < 1 | 0.10 | 20 | 0.12 | 565 |
| SSG-15 | 203 | 205 | 10 | 0.2 | 0.66 | 22 | 70 | < 0.5 | 4 | 0.39 | < 0.5 | 20 | 59 | 47 | 3.40 | < 10 | < 1 | 0.13 | 30 | 0.19 | 1195 |
| SSG-16 | 203 | 205 | 15 | 0.2 | 0.74 | 24 | 70 | < 0.5 | < 2 | 0.14 | < 0.5 | 16 | 95 | 43 | 3.57 | < 10 | < 1 | 0.16 | 30 | 0.20 | 620 |
| SSG-17 | 203 | 205 | 10 | < 0.2 | 0.78 | 16 | 60 | < 0.5 | < 2 | 0.18 | < 0.5 | 15 | 76 | 37 | 3.11 | < 10 | < 1 | 0.15 | 40 | 0.21 | 510 |
| SSG-18 | 203 | 205 | < 5 | 0.6 | 1.36 | 10 | 90 | < 0.5 | < 2 | 0.55 | < 0.5 | 11 | 67 | 28 | 2.57 | < 10 | < 1 | 0.13 | 30 | 0.36 | 945 |
| SSG-19 | 203 | 205 | 115 | 0.2 | 0.65 | 32 | 60 | < 0.5 | < 2 | 0.13 | 0.5 | 14 | 65 | 37 | 3.29 | < 10 | 2 | 0.09 | 30 | 0.22 | 510 |
| SSG-20 | 203 | 205 | 70 | 0.4 | 0.75 | 34 | 80 | < 0.5 | < 2 | 0.11 | 0.5 | 16 | 74 | 38 | 3.41 | < 10 | < 1 | 0.14 | 50 | 0.17 | 730 |
| SSG-21A | 203 | 205 | 20 | 0.6 | 0.81 | 40 | 90 | < 0.5 | 2 | 0.12 | 0.5 | 16 | 96 | 39 | 3.64 | < 10 | < 1 | 0.17 | 40 | 0.20 | 705 |
| SSG-21B | 203 | 205 | 120 | 0.6 | 0.80 | 34 | 90 | < 0.5 | < 2 | 0.12 | 0.5 | 17 | 88 | 40 | 3.73 | < 10 | < 1 | 0.15 | 30 | 0.20 | 785 |
| 9W 10+50N | 203 | 205 | 40 | 0.4 | 0.80 | 116 | 70 | < 0.5 | < 2 | 0.16 | 0.5 | 20 | 63 | 51 | 4.18 | < 10 | < 1 | 0.15 | 30 | 0.22 | 1045 |
| 9W 11+00N | 203 | 205 | < 5 | 0.6 | 1.95 | 8 | 90 | < 0.5 | < 2 | 0.13 | < 0.5 | 20 | 56 | 60 | 4.56 | < 10 | 1 | 0.21 | 50 | 0.48 | 1075 |
| 9W 11+50N | 203 | 205 | < 5 | 0.2 | 1.09 | 18 | 100 | < 0.5 | < 2 | 0.28 | < 0.5 | 16 | 45 | 29 | 3.94 | < 10 | < 1 | 0.13 | 30 | 0.21 | 1135 |
| 9W 12+00N | 203 | 205 | < 5 | 0.2 | 0.86 | 4 | 80 | < 0.5 | < 2 | 0.08 | < 0.5 | 5 | 61 | 11 | 2.10 | < 10 | < 1 | 0.12 | 30 | 0.06 | 115 |
| 9W 12+50N | 203 | 205 | < 5 | 0.2 | 1.17 | 14 | 70 | < 0.5 | < 2 | 0.09 | < 0.5 | 17 | 26 | 47 | 3.62 | < 10 | < 1 | 0.15 | 60 | 0.23 | 610 |
| 9W 13+00N | 203 | 205 | < 5 | 0.2 | 0.81 | 32 | 80 | < 0.5 | < 2 | 0.12 | < 0.5 | 25 | 61 | 62 | 5.16 | < 10 | < 1 | 0.17 | 30 | 0.16 | 1340 |
| 9W 13+50N | 203 | 205 | < 5 | 0.6 | 1.09 | 18 | 70 | < 0.5 | < 2 | 0.23 | < 0.5 | 16 | 53 | 50 | 3.54 | < 10 | < 1 | 0.12 | 40 | 0.27 | 740 |
| 9W 14+00N | 203 | 205 | < 5 | < 0.2 | 1.27 | 12 | 70 | < 0.5 | < 2 | 0.17 | < 0.5 | 6 | 60 | 15 | 4.24 | < 10 | < 1 | 0.10 | 20 | 0.19 | 160 |
| 9W 14+50N | 203 | 205 | < 5 | 0.2 | 1.29 | 22 | 70 | < 0.5 | 2 | 0.06 | < 0.5 | 13 | 55 | 35 | 3.39 | < 10 | < 1 | 0.13 | 30 | 0.29 | 425 |
| 9W 15+00N | 203 | 205 | < 5 | 0.2 | 1.07 | 26 | 100 | < 0.5 | 2 | 0.04 | < 0.5 | 18 | 80 | 40 | 3.88 | < 10 | < 1 | 0.18 | 30 | 0.23 | 575 |
| 9W 15+50N | 203 | 205 | < 5 | 0.2 | 1.60 | 20 | 120 | < 0.5 | < 2 | 0.08 | < 0.5 | 23 | 54 | 54 | 4.09 | < 10 | < 1 | 0.21 | 30 | 0.40 | 1020 |
| 9W 16+00N | 203 | 205 | 30 | 0.2 | 1.20 | 50 | 120 | < 0.5 | < 2 | 0.03 | < 0.5 | 17 | 60 | 53 | 3.84 | < 10 | < 1 | 0.18 | 50 | 0.23 | 565 |
| 9W 16+50N | 203 | 205 | 10 | 1.8 | 1.15 | 30 | 100 | < 0.5 | < 2 | 0.18 | 0.5 | 16 | 56 | 38 | 3.50 | < 10 | 1 | 0.15 | 40 | 0.29 | 820 |
| 9W 17+00N | 203 | 205 | < 5 | < 0.2 | 0.77 | 24 | 70 | < 0.5 | < 2 | 0.09 | < 0.5 | 14 | 68 | 36 | 3.23 | < 10 | < 1 | 0.13 | 30 | 0.24 | 505 |
| 9W 17+50N | 203 | 205 | < 5 | 0.2 | 0.66 | 24 | 60 | < 0.5 | < 2 | 0.13 | < 0.5 | 15 | 64 | 35 | 3.25 | < 10 | < 1 | 0.12 | 30 | 0.20 | 545 |
| 9W 18+00N | 203 | 205 | < 5 | 0.2 | 1.04 | 30 | 80 | < 0.5 | < 2 | 0.23 | < 0.5 | 17 | 75 | 38 | 3.49 | < 10 | < 1 | 0.18 | 40 | 0.35 | 600 |
| 9W 18+50N | 203 | 205 | 20 | 0.2 | 0.64 | 56 | 70 | < 0.5 | < 2 | 0.97 | < 0.5 | 19 | 68 | 48 | 4.62 | < 10 | < 1 | 0.14 | 40 | 0.21 | 405 |
| 9W 19+00N | 203 | 205 | 2310 | 0.2 | 1.22 | 14 | 140 | < 0.5 | < 2 | 0.57 | < 0.5 | 16 | 74 | 39 | 3.44 | < 10 | < 1 | 0.13 | 20 | 0.60 | 605 |

CERTIFICATION:

Hart Buchler



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To: TROUP, ART

3605 CREEERY AVE.
 WEST VANCOUVER, BC
 V7V 2M3

Project: GROUSE
 Comments: ATTN: A. TROUP

Pa umber :1-B
 Tc ages :3
 Certificate Date: 30-JUL-95
 Invoice No. :19522520
 P.O. Number :
 Account :MVJ

CERTIFICATE OF ANALYSIS A9522520

| SAMPLE | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|-----------|-----------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|
| SSG-01 | 203 205 | < 1 | 0.01 | 35 | 790 | 22 | 4 | 3 | 37 | < 0.01 | < 10 | < 10 | 14 | < 10 | 98 |
| SSG-02 | 203 205 | < 1 | < 0.01 | 18 | 420 | 52 | 2 | 2 | 12 | < 0.01 | < 10 | < 10 | 14 | < 10 | 28 |
| SSG-03 | 203 205 | < 1 | 0.01 | 38 | 550 | 34 | 2 | 3 | 51 | 0.05 | < 10 | < 10 | 29 | < 10 | 84 |
| SSG-04 | 203 205 | 1 | 0.01 | 31 | 880 | 36 | 2 | 1 | 65 | < 0.01 | < 10 | < 10 | 11 | < 10 | 60 |
| SSG-05 | 203 205 | 1 | 0.01 | 29 | 500 | 38 | 2 | 2 | 23 | 0.02 | < 10 | < 10 | 19 | < 10 | 72 |
| SSG-06 | 203 205 | < 1 | 0.01 | 31 | 490 | 28 | < 2 | 3 | 20 | 0.06 | < 10 | < 10 | 30 | < 10 | 66 |
| SSG-07 | 203 205 | < 1 | 0.01 | 17 | 1090 | 18 | < 2 | 4 | 159 | < 0.01 | < 10 | < 10 | 70 | < 10 | 16 |
| SSG-08 | 203 205 | < 1 | 0.01 | 28 | 1330 | 46 | 2 | 2 | 99 | < 0.01 | < 10 | < 10 | 12 | < 10 | 60 |
| SSG-09 | 203 205 | < 1 | 0.01 | 9 | 1000 | 24 | 2 | < 1 | 151 | < 0.01 | < 10 | < 10 | 20 | < 10 | 36 |
| SSG-10 | 203 205 | 1 | < 0.01 | 12 | 390 | 26 | < 2 | 1 | 27 | < 0.01 | < 10 | < 10 | 14 | < 10 | 62 |
| SSG-11 | 203 205 | 1 | 0.01 | 36 | 830 | 36 | 2 | < 1 | 60 | < 0.01 | < 10 | < 10 | 5 | < 10 | 60 |
| SSG-12 | 203 205 | < 1 | < 0.01 | 32 | 400 | 38 | < 2 | 2 | 10 | 0.01 | < 10 | < 10 | 14 | < 10 | 72 |
| SSG-13 | 203 205 | < 1 | 0.01 | 35 | 790 | 36 | 2 | 4 | 30 | < 0.01 | < 10 | < 10 | 12 | < 10 | 76 |
| SSG-14 | 203 205 | 1 | < 0.01 | 22 | 420 | 52 | < 2 | 1 | 14 | < 0.01 | < 10 | < 10 | 6 | < 10 | 250 |
| SSG-15 | 203 205 | < 1 | < 0.01 | 32 | 440 | 52 | 2 | 2 | 17 | < 0.01 | < 10 | < 10 | 6 | < 10 | 80 |
| SSG-16 | 203 205 | 1 | 0.01 | 32 | 470 | 72 | 4 | 2 | 15 | < 0.01 | < 10 | < 10 | 9 | < 10 | 90 |
| SSG-17 | 203 205 | 1 | < 0.01 | 35 | 410 | 30 | < 2 | 2 | 15 | < 0.01 | < 10 | < 10 | 8 | < 10 | 68 |
| SSG-18 | 203 205 | < 1 | 0.01 | 20 | 1030 | 22 | 2 | 2 | 32 | 0.01 | < 10 | < 10 | 20 | < 10 | 72 |
| SSG-19 | 203 205 | 1 | < 0.01 | 32 | 380 | 48 | 2 | 2 | 9 | 0.02 | < 10 | < 10 | 14 | < 10 | 72 |
| SSG-20 | 203 205 | < 1 | 0.01 | 29 | 560 | 118 | 2 | 2 | 13 | < 0.01 | < 10 | < 10 | 12 | < 10 | 90 |
| SSG-21A | 203 205 | < 1 | 0.01 | 32 | 490 | 112 | 2 | 2 | 13 | < 0.01 | < 10 | < 10 | 13 | < 10 | 96 |
| SSG-21B | 203 205 | 1 | 0.01 | 34 | 470 | 112 | 2 | 2 | 12 | < 0.01 | < 10 | < 10 | 12 | < 10 | 118 |
| 9W 10+50N | 203 205 | 1 | 0.01 | 31 | 620 | 196 | 4 | 3 | 16 | < 0.01 | < 10 | < 10 | 14 | < 10 | 102 |
| 9W 11+00N | 203 205 | < 1 | < 0.01 | 33 | 930 | 48 | 2 | 3 | 13 | < 0.01 | < 10 | < 10 | 15 | < 10 | 100 |
| 9W 11+50N | 203 205 | < 1 | 0.01 | 26 | 800 | 30 | 2 | 2 | 21 | 0.01 | < 10 | < 10 | 20 | < 10 | 88 |
| 9W 12+00N | 203 205 | < 1 | 0.01 | 8 | 400 | 18 | < 2 | 1 | 13 | < 0.01 | < 10 | < 10 | 13 | < 10 | 38 |
| 9W 12+50N | 203 205 | < 1 | < 0.01 | 29 | 460 | 26 | 4 | 3 | 11 | < 0.01 | < 10 | < 10 | 7 | < 10 | 90 |
| 9W 13+00N | 203 205 | < 1 | 0.01 | 32 | 580 | 40 | 2 | 4 | 16 | < 0.01 | < 10 | < 10 | 24 | < 10 | 98 |
| 9W 13+50N | 203 205 | < 1 | < 0.01 | 29 | 700 | 46 | 2 | 3 | 18 | < 0.01 | < 10 | < 10 | 14 | < 10 | 90 |
| 9W 14+00N | 203 205 | 1 | < 0.01 | 13 | 430 | 32 | 2 | 1 | 17 | 0.03 | < 10 | < 10 | 26 | < 10 | 46 |
| 9W 14+50N | 203 205 | 1 | 0.01 | 26 | 420 | 38 | 2 | 2 | 7 | 0.01 | < 10 | < 10 | 20 | < 10 | 76 |
| 9W 15+00N | 203 205 | 1 | 0.01 | 33 | 480 | 50 | 2 | 2 | 9 | < 0.01 | < 10 | < 10 | 15 | < 10 | 90 |
| 9W 15+50N | 203 205 | < 1 | 0.01 | 38 | 470 | 32 | 2 | 2 | 10 | 0.01 | < 10 | < 10 | 20 | < 10 | 94 |
| 9W 16+00N | 203 205 | < 1 | 0.01 | 36 | 300 | 58 | < 2 | 3 | 9 | < 0.01 | < 10 | < 10 | 15 | < 10 | 108 |
| 9W 16+50N | 203 205 | < 1 | 0.01 | 32 | 510 | 156 | < 2 | 3 | 17 | 0.01 | < 10 | < 10 | 19 | < 10 | 112 |
| 9W 17+00N | 203 205 | 1 | 0.01 | 29 | 400 | 36 | 4 | 2 | 9 | 0.01 | < 10 | < 10 | 12 | < 10 | 78 |
| 9W 17+50N | 203 205 | < 1 | < 0.01 | 27 | 410 | 46 | < 2 | 2 | 16 | < 0.01 | < 10 | < 10 | 10 | < 10 | 76 |
| 9W 18+00N | 203 205 | < 1 | 0.01 | 37 | 460 | 30 | 4 | 2 | 19 | < 0.01 | < 10 | < 10 | 15 | < 10 | 62 |
| 9W 18+50N | 203 205 | < 1 | 0.01 | 43 | 420 | 30 | 4 | 2 | 56 | < 0.01 | < 10 | < 10 | 9 | < 10 | 92 |
| 9W 19+00N | 203 205 | < 1 | 0.01 | 35 | 550 | 22 | 2 | 4 | 25 | 0.05 | < 10 | < 10 | 35 | < 10 | 74 |

CERTIFICATION:

[Handwritten Signature]



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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3605 CREERY AVE.
WEST VANCOUVER, BC
V7V 2M3

Project: GROUSE
Comments: ATTN: A. TROUP

Page Number : 2-A
Total Pages : 3
Certificate Date: 30-JUL-95
Invoice No. : 19522520
P.O. Number :
Account : MVJ

CERTIFICATE OF ANALYSIS A9522520

| SAMPLE | PREP CODE | | Au ppb | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|------------|-----------|-----|--------|--------|------|--------|-----------|--------|------------|------|--------|--------|--------|--------|------|--------|--------|------|--------|------|--------|
| | | | FA+AA | | | | | | | | | | | | | | | | | | |
| 9W 19+50N | 203 | 205 | 10 | 0.4 | 0.92 | 26 | 120 < 0.5 | < 2 | 0.41 < 0.5 | 14 | 71 | 37 | 3.40 | < 10 | < 1 | 0.10 | 20 | 0.41 | 580 | | |
| 9W 20+00N | 203 | 205 | 100 | 0.4 | 1.06 | 12 | 130 < 0.5 | < 2 | 0.73 < 0.5 | 16 | 62 | 38 | 3.59 | < 10 | < 1 | 0.10 | 20 | 0.57 | 715 | | |
| 9W 20+50N | 203 | 205 | 5 | < 0.2 | 1.28 | 18 | 160 < 0.5 | < 2 | 0.37 < 0.5 | 18 | 72 | 41 | 3.91 | 10 | < 1 | 0.13 | 30 | 0.54 | 800 | | |
| 9W 20+50NA | 203 | 205 | 230 | 0.2 | 0.92 | 36 | 110 < 0.5 | < 2 | 0.30 < 0.5 | 16 | 61 | 52 | 3.74 | < 10 | < 1 | 0.12 | 30 | 0.39 | 655 | | |
| 9W 21+00N | 203 | 205 | 15 | < 0.2 | 1.96 | 22 | 260 < 0.5 | < 2 | 0.39 < 0.5 | 21 | 71 | 61 | 4.43 | 10 | < 1 | 0.22 | 30 | 0.64 | 890 | | |
| 10W 10+70N | 203 | 205 | < 5 | 0.2 | 0.26 | 40 | 60 < 0.5 | < 2 | 0.04 < 0.5 | 23 | 44 | 42 | 3.96 | 10 | < 1 | 0.14 | 50 | 0.06 | 785 | | |
| 10W 11+00N | 203 | 205 | 15 | 1.4 | 0.82 | 68 | 80 < 0.5 | 4 | 0.06 < 0.5 | 15 | 52 | 41 | 3.91 | < 10 | < 1 | 0.14 | 30 | 0.21 | 665 | | |
| 10W 11+50N | 203 | 205 | 555 | 0.6 | 0.72 | 36 | 70 < 0.5 | < 2 | 0.07 < 0.5 | 13 | 58 | 33 | 3.64 | 10 | < 1 | 0.11 | 30 | 0.16 | 700 | | |
| 10W 12+00N | 203 | 205 | 20 | 0.6 | 0.86 | 42 | 90 < 0.5 | < 2 | 0.16 < 0.5 | 16 | 77 | 42 | 4.21 | 10 | < 1 | 0.14 | 40 | 0.21 | 900 | | |
| 10W 12+50N | 203 | 205 | 25 | 0.4 | 0.77 | 118 | 80 < 0.5 | < 2 | 0.12 < 0.5 | 22 | 57 | 56 | 5.68 | 10 | < 1 | 0.11 | 40 | 0.15 | 1285 | | |
| 10W 13+00N | 203 | 205 | 45 | 1.2 | 0.71 | 366 | 100 < 0.5 | < 2 | 0.17 < 0.5 | 23 | 58 | 48 | 4.27 | 10 | < 1 | 0.13 | 40 | 0.20 | 1345 | | |
| 10W 13+50N | 203 | 205 | 6400 | 3.2 | 0.66 | 9910 | 400 < 0.5 | 6 | 0.23 < 2.5 | 29 | 46 | 43 | 10.35 | < 10 | < 1 | 0.07 | 10 | 0.17 | 850 | | |
| 10W 14+00N | 203 | 205 | 145 | 1.4 | 0.58 | 260 | 80 < 0.5 | < 2 | 0.20 < 0.5 | 30 | 48 | 47 | 4.17 | < 10 | < 1 | 0.11 | 30 | 0.14 | 765 | | |
| 10W 14+50N | 203 | 205 | 20 | 1.2 | 0.45 | 66 | 70 < 0.5 | < 2 | 0.16 < 0.5 | 36 | 48 | 101 | 6.06 | < 10 | < 1 | 0.11 | 30 | 0.10 | 675 | | |
| 10W 15+00N | 203 | 205 | 10 | 0.2 | 0.63 | 42 | 40 < 0.5 | < 2 | 0.08 < 0.5 | 15 | 64 | 42 | 3.83 | < 10 | < 1 | 0.10 | 30 | 0.18 | 595 | | |
| 10W 15+25N | 203 | 205 | 120 | 0.4 | 0.53 | 60 | 80 < 0.5 | < 2 | 0.16 < 0.5 | 37 | 54 | 48 | 5.05 | < 10 | < 1 | 0.16 | 40 | 0.16 | 1980 | | |
| 10W 15+50N | 203 | 205 | 15 | 0.2 | 0.75 | 40 | 80 < 0.5 | < 2 | 0.14 < 0.5 | 22 | 98 | 54 | 4.21 | 10 | < 1 | 0.17 | 40 | 0.19 | 595 | | |
| 10W 16+00N | 203 | 205 | 5 | 0.4 | 1.18 | 28 | 90 < 0.5 | < 2 | 0.21 < 0.5 | 17 | 73 | 55 | 3.80 | 10 | < 1 | 0.15 | 40 | 0.32 | 880 | | |
| 10W 16+50N | 203 | 205 | 10 | 0.4 | 0.88 | 32 | 70 < 0.5 | < 2 | 0.07 < 0.5 | 18 | 63 | 59 | 4.38 | < 10 | < 1 | 0.11 | 30 | 0.14 | 1155 | | |
| 10W 17+00N | 203 | 205 | 20 | < 0.2 | 0.63 | 8 | 60 < 0.5 | < 2 | 0.04 < 0.5 | 13 | 94 | 38 | 3.43 | < 10 | < 1 | 0.14 | 30 | 0.19 | 480 | | |
| 10W 17+25N | 203 | 205 | 5 | 0.2 | 0.75 | 34 | 70 < 0.5 | < 2 | 0.07 < 0.5 | 18 | 99 | 58 | 4.19 | < 10 | < 1 | 0.16 | 40 | 0.23 | 600 | | |
| 10W 17+50N | 203 | 205 | 10 | 0.8 | 0.91 | 12 | 60 < 0.5 | < 2 | 0.18 < 0.5 | 33 | 51 | 94 | 5.35 | < 10 | < 1 | 0.19 | 90 | 0.06 | 440 | | |
| 10W 18+00N | 203 | 205 | 25 | 0.2 | 0.63 | 52 | 50 < 0.5 | < 2 | 0.12 < 0.5 | 27 | 73 | 59 | 4.91 | < 10 | < 1 | 0.12 | 30 | 0.10 | 1015 | | |
| 10W 18+50N | 203 | 205 | < 5 | 0.2 | 0.59 | 20 | 60 < 0.5 | < 2 | 0.15 < 0.5 | 15 | 83 | 37 | 3.42 | < 10 | < 1 | 0.11 | 20 | 0.20 | 695 | | |
| 10W 19+00N | 203 | 205 | < 5 | < 0.2 | 0.63 | 20 | 70 < 0.5 | < 2 | 0.15 < 0.5 | 16 | 96 | 42 | 3.73 | < 10 | < 1 | 0.11 | 20 | 0.21 | 620 | | |
| 10W 19+50N | 203 | 205 | < 5 | 0.2 | 0.43 | 12 | 60 < 0.5 | < 2 | 0.26 < 0.5 | 16 | 64 | 37 | 3.20 | < 10 | < 1 | 0.11 | 30 | 0.10 | 790 | | |
| 10W 20+00N | 203 | 205 | 40 | < 0.2 | 1.02 | 46 | 50 < 0.5 | < 2 | 0.04 < 0.5 | 13 | 75 | 37 | 4.68 | < 10 | < 1 | 0.10 | 20 | 0.17 | 240 | | |
| 10W 20+50N | 203 | 205 | < 5 | 1.2 | 1.25 | 14 | 90 < 0.5 | < 2 | 0.48 < 0.5 | 13 | 75 | 34 | 3.76 | < 10 | < 1 | 0.13 | 20 | 0.23 | 1355 | | |
| 10W 21+00N | 203 | 205 | < 5 | 0.6 | 1.20 | 18 | 80 < 0.5 | < 2 | 0.58 < 0.5 | 8 | 90 | 19 | 3.83 | 10 | < 1 | 0.10 | 20 | 0.15 | 280 | | |
| 10W 21+50N | 203 | 205 | < 5 | 0.2 | 0.91 | 16 | 40 < 0.5 | < 2 | 0.02 < 0.5 | 7 | 86 | 23 | 4.54 | 10 | < 1 | 0.10 | 30 | 0.10 | 155 | | |
| 10W 22+00N | 203 | 205 | < 5 | < 0.2 | 0.67 | 8 | 40 < 0.5 | < 2 | 0.02 < 0.5 | 9 | 123 | 30 | 4.40 | 10 | < 1 | 0.12 | 20 | 0.10 | 810 | | |
| 10W 22+50N | 203 | 205 | < 5 | 0.4 | 1.18 | 20 | 70 < 0.5 | < 2 | 0.10 < 0.5 | 11 | 85 | 29 | 5.23 | 10 | < 1 | 0.12 | 20 | 0.15 | 390 | | |
| 10W 23+00N | 203 | 205 | < 5 | 0.2 | 1.00 | 16 | 60 < 0.5 | < 2 | 0.08 < 0.5 | 5 | 89 | 23 | 3.34 | 10 | < 1 | 0.10 | 20 | 0.11 | 225 | | |
| 10W 23+50N | 203 | 205 | 215 | 0.2 | 1.17 | 20 | 30 < 0.5 | < 2 | 0.02 < 0.5 | 8 | 62 | 37 | 7.84 | 10 | < 1 | 0.10 | 20 | 0.14 | 185 | | |
| 10W 24+00N | 203 | 205 | < 5 | < 0.2 | 3.44 | 6 | 90 < 0.5 | < 2 | 0.04 < 0.5 | 26 | 81 | 78 | 6.49 | < 10 | < 1 | 0.08 | 10 | 0.95 | 310 | | |
| 10W 24+50N | 203 | 205 | < 5 | < 0.2 | 2.22 | 4 | 60 < 0.5 | < 2 | 0.04 < 0.5 | 12 | 41 | 43 | 5.43 | 10 | < 1 | 0.08 | 20 | 0.54 | 235 | | |
| 10W 25+00N | 203 | 205 | < 5 | 0.2 | 2.30 | 14 | 80 < 0.5 | < 2 | 0.03 < 0.5 | 17 | 48 | 60 | 6.85 | 10 | < 1 | 0.09 | 20 | 0.62 | 725 | | |
| 10W 25+50N | 203 | 205 | < 5 | < 0.2 | 3.48 | 2 | 140 < 0.5 | < 2 | 0.56 < 0.5 | 30 | 50 | 218 | 8.06 | 10 | < 1 | 0.08 | 40 | 1.49 | 1875 | | |
| 10W 26+00N | 203 | 205 | < 5 | 0.2 | 2.99 | 24 | 80 < 0.5 | < 2 | 0.56 < 0.5 | 37 | 45 | 151 | 6.81 | 10 | 2 | 0.09 | 30 | 0.96 | 1805 | | |
| 10W 26+50N | 203 | 205 | < 5 | < 0.2 | 2.45 | 16 | 80 < 0.5 | < 2 | 0.10 < 0.5 | 19 | 37 | 71 | 6.39 | 10 | < 1 | 0.08 | 10 | 0.72 | 525 | | |

CERTIFICATION:

Art J. Buchler



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To: TROUP, ART

3605 CREERY AVE.
 WEST VANCOUVER, BC
 V7V 2M3

Project: GROUSE
 Comments: ATTN: A. TROUP

Per Number :2-B
 Pages :3
 Certificate Date: 30-JUL-95
 Invoice No. : I9522520
 P.O. Number :
 Account : MVJ

CERTIFICATE OF ANALYSIS A9522520

| SAMPLE | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Tl % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|------------|-----------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|
| 9W 19+50N | 203 205 | 1 | 0.01 | 32 | 540 | 32 | 2 | 3 | 17 | 0.06 | < 10 | < 10 | 33 | < 10 | 70 |
| 9W 20+00N | 203 205 | < 1 | 0.01 | 42 | 570 | 28 | 2 | 3 | 30 | 0.04 | < 10 | < 10 | 32 | < 10 | 78 |
| 9W 20+50N | 203 205 | < 1 | 0.01 | 44 | 600 | 26 | 4 | 5 | 24 | 0.05 | < 10 | < 10 | 38 | < 10 | 86 |
| 9W 20+50NA | 203 205 | 1 | 0.01 | 37 | 520 | 44 | 2 | 3 | 16 | 0.02 | < 10 | < 10 | 22 | < 10 | 84 |
| 9W 21+00N | 203 205 | < 1 | 0.01 | 58 | 570 | 38 | 2 | 7 | 26 | 0.03 | < 10 | < 10 | 35 | < 10 | 110 |
| 10W 10+70N | 203 205 | < 1 | < 0.01 | 43 | 290 | 40 | 2 | 2 | 8 | < 0.01 | < 10 | < 10 | 3 | < 10 | 116 |
| 10W 11+00N | 203 205 | 1 | 0.01 | 38 | 430 | 320 | 2 | 2 | 9 | < 0.01 | < 10 | < 10 | 10 | < 10 | 124 |
| 10W 11+50N | 203 205 | 1 | < 0.01 | 28 | 670 | 102 | 2 | 1 | 9 | < 0.01 | < 10 | < 10 | 13 | < 10 | 86 |
| 10W 12+00N | 203 205 | 1 | < 0.01 | 38 | 600 | 120 | 2 | 2 | 18 | < 0.01 | < 10 | < 10 | 13 | < 10 | 116 |
| 10W 12+50N | 203 205 | 1 | < 0.01 | 59 | 670 | 174 | 4 | 2 | 13 | < 0.01 | < 10 | < 10 | 10 | < 10 | 120 |
| 10W 13+00N | 203 205 | 1 | 0.01 | 47 | 570 | 274 | 2 | 3 | 15 | 0.01 | < 10 | < 10 | 14 | < 10 | 118 |
| 10W 13+50N | 203 205 | < 1 | < 0.01 | 37 | 470 | 146 | 8 | 4 | 21 | 0.01 | < 10 | < 10 | 15 | < 10 | 64 |
| 10W 14+00N | 203 205 | < 1 | < 0.01 | 50 | 610 | 52 | 4 | 6 | 16 | < 0.01 | < 10 | < 10 | 8 | < 10 | 64 |
| 10W 14+50N | 203 205 | 2 | 0.01 | 97 | 620 | 74 | 4 | 4 | 16 | < 0.01 | < 10 | < 10 | 6 | < 10 | 106 |
| 10W 15+00N | 203 205 | 1 | < 0.01 | 34 | 490 | 52 | 2 | 1 | 9 | < 0.01 | < 10 | < 10 | 9 | < 10 | 84 |
| 10W 15+25N | 203 205 | 1 | 0.01 | 47 | 380 | 40 | 4 | 4 | 19 | < 0.01 | < 10 | < 10 | 6 | < 10 | 122 |
| 10W 15+50N | 203 205 | 1 | 0.01 | 44 | 490 | 58 | 2 | 2 | 15 | < 0.01 | < 10 | < 10 | 11 | < 10 | 106 |
| 10W 16+00N | 203 205 | 1 | < 0.01 | 33 | 580 | 88 | 2 | 2 | 19 | < 0.01 | < 10 | < 10 | 13 | < 10 | 90 |
| 10W 16+50N | 203 205 | 1 | 0.01 | 27 | 900 | 50 | 2 | 2 | 10 | < 0.01 | < 10 | < 10 | 11 | < 10 | 104 |
| 10W 17+00N | 203 205 | 1 | 0.01 | 32 | 400 | 34 | 2 | 2 | 9 | < 0.01 | < 10 | < 10 | 9 | < 10 | 82 |
| 10W 17+25N | 203 205 | 1 | 0.01 | 38 | 490 | 82 | 2 | 2 | 11 | < 0.01 | < 10 | < 10 | 11 | < 10 | 100 |
| 10W 17+50N | 203 205 | 1 | < 0.01 | 76 | 1250 | 20 | 4 | 3 | 21 | < 0.01 | < 10 | < 10 | 5 | < 10 | 126 |
| 10W 18+00N | 203 205 | 1 | 0.01 | 39 | 720 | 34 | 4 | 2 | 13 | < 0.01 | < 10 | < 10 | 6 | < 10 | 130 |
| 10W 18+50N | 203 205 | 1 | < 0.01 | 33 | 420 | 44 | 2 | 1 | 13 | < 0.01 | < 10 | < 10 | 9 | < 10 | 82 |
| 10W 19+00N | 203 205 | 1 | < 0.01 | 33 | 460 | 52 | 4 | 2 | 14 | < 0.01 | < 10 | < 10 | 11 | < 10 | 88 |
| 10W 19+50N | 203 205 | 1 | 0.01 | 35 | 480 | 18 | < 2 | 2 | 20 | < 0.01 | < 10 | < 10 | 5 | < 10 | 44 |
| 10W 20+00N | 203 205 | 2 | < 0.01 | 30 | 280 | 56 | 4 | 1 | 6 | < 0.01 | < 10 | < 10 | 10 | < 10 | 78 |
| 10W 20+50N | 203 205 | 1 | 0.01 | 27 | 400 | 44 | 2 | 3 | 35 | < 0.01 | < 10 | < 10 | 16 | < 10 | 82 |
| 10W 21+00N | 203 205 | 1 | 0.01 | 16 | 480 | 28 | 4 | 1 | 36 | < 0.01 | < 10 | < 10 | 21 | < 10 | 58 |
| 10W 21+50N | 203 205 | 1 | < 0.01 | 16 | 550 | 20 | 4 | 1 | 6 | 0.01 | < 10 | < 10 | 29 | < 10 | 54 |
| 10W 22+00N | 203 205 | 2 | < 0.01 | 23 | 1150 | 22 | 2 | 1 | 5 | < 0.01 | < 10 | < 10 | 26 | < 10 | 62 |
| 10W 22+50N | 203 205 | 2 | 0.01 | 24 | 690 | 30 | 4 | 1 | 10 | 0.01 | < 10 | < 10 | 27 | < 10 | 92 |
| 10W 23+00N | 203 205 | 1 | 0.01 | 16 | 450 | 28 | 2 | 1 | 8 | 0.01 | < 10 | < 10 | 32 | < 10 | 48 |
| 10W 23+50N | 203 205 | 2 | 0.01 | 25 | 580 | 42 | 6 | 2 | 6 | 0.02 | < 10 | < 10 | 27 | < 10 | 52 |
| 10W 24+00N | 203 205 | 1 | 0.01 | 45 | 520 | 6 | 2 | 8 | 8 | 0.01 | < 10 | < 10 | 78 | < 10 | 76 |
| 10W 24+50N | 203 205 | 1 | 0.01 | 21 | 770 | 6 | < 2 | 3 | 7 | 0.01 | < 10 | < 10 | 59 | < 10 | 56 |
| 10W 25+00N | 203 205 | 1 | 0.02 | 20 | 1280 | 6 | 4 | 4 | 10 | 0.01 | < 10 | < 10 | 86 | < 10 | 74 |
| 10W 25+50N | 203 205 | 1 | < 0.01 | 22 | 1500 | 12 | 8 | 14 | 54 | < 0.01 | < 10 | < 10 | 106 | 10 | 94 |
| 10W 26+00N | 203 205 | 1 | 0.01 | 27 | 800 | 40 | 6 | 17 | 37 | < 0.01 | < 10 | < 10 | 96 | < 10 | 88 |
| 10W 26+50N | 203 205 | < 1 | 0.01 | 20 | 660 | 8 | 4 | 4 | 8 | < 0.01 | < 10 | < 10 | 59 | < 10 | 98 |

CERTIFICATION:

Handwritten signature



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To: TROUP, ART
 3605 CREEZY AVE.
 WEST VANCOUVER, BC
 V7V 2M3

Par Number : 3-A
 To Pages : 3
 Certificate Date: 30-JUL-95
 Invoice No. : 19522520
 P.O. Number :
 Account : MVJ

Project : GROUSE
 Comments : ATTN: A. TROUP

CERTIFICATE OF ANALYSIS A9522520

| SAMPLE | PREP CODE | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|------------|-----------|-----------------|--------|------|--------|--------|--------|--------|------|--------|--------|--------|--------|------|--------|--------|------|--------|------|--------|
| 10W 27+00N | 203 205 | < 5 | 0.2 | 1.66 | 28 | 60 | < 0.5 | < 2 | 0.04 | < 0.5 | 24 | 36 | 113 | 6.27 | 10 | < 1 | 0.15 | 20 | 0.50 | 585 |
| 10W 27+50N | 203 205 | < 5 | 0.2 | 2.06 | 22 | 90 | < 0.5 | < 2 | 0.22 | < 0.5 | 22 | 44 | 64 | 6.26 | 10 | < 1 | 0.14 | 20 | 0.49 | 705 |
| 10W 28+00N | 203 205 | < 5 | 0.2 | 1.40 | < 2 | 70 | < 0.5 | < 2 | 0.01 | < 0.5 | 16 | 56 | 74 | 6.66 | 10 | < 1 | 0.21 | 40 | 0.31 | 420 |
| 10W 28+50N | 203 205 | 5 | < 0.2 | 2.57 | 2 | 210 | < 0.5 | < 2 | 0.07 | < 0.5 | 19 | 55 | 227 | 5.90 | 10 | < 1 | 0.17 | 30 | 0.78 | 1070 |
| 22N 00+00W | 203 205 | 35 | 0.4 | 2.33 | 20 | 210 | < 0.5 | < 2 | 0.49 | < 0.5 | 27 | 107 | 467 | 5.13 | 10 | < 1 | 0.18 | 30 | 1.14 | 1100 |
| 22N 00+50W | 203 205 | 560 | < 0.2 | 1.43 | 12 | 110 | < 0.5 | < 2 | 0.14 | < 0.5 | 14 | 98 | 34 | 3.60 | 10 | < 1 | 0.16 | 30 | 0.36 | 425 |
| 22N 01+00W | 203 205 | < 5 | < 0.2 | 1.62 | 18 | 230 | < 0.5 | < 2 | 1.20 | < 0.5 | 17 | 102 | 44 | 3.83 | < 10 | < 1 | 0.22 | 20 | 0.68 | 685 |
| 22N 01+50W | 203 205 | < 5 | 0.2 | 1.41 | 20 | 120 | < 0.5 | < 2 | 1.85 | < 0.5 | 18 | 117 | 46 | 3.65 | 10 | < 1 | 0.21 | 30 | 0.66 | 605 |
| 22N 02+00W | 203 205 | 30 | 0.2 | 1.67 | 30 | 140 | < 0.5 | < 2 | 0.33 | 0.5 | 22 | 97 | 87 | 4.27 | 10 | < 1 | 0.22 | 40 | 0.58 | 825 |
| 22N 02+50W | 203 205 | 10 | < 0.2 | 1.61 | 16 | 120 | < 0.5 | < 2 | 0.21 | < 0.5 | 18 | 90 | 72 | 3.79 | 10 | < 1 | 0.20 | 40 | 0.50 | 620 |
| 22N 03+00W | 203 205 | 15 | 0.2 | 2.66 | 18 | 150 | < 0.5 | < 2 | 0.80 | < 0.5 | 34 | 45 | 119 | 6.62 | 10 | < 1 | 0.17 | 20 | 1.07 | 1335 |
| 22N 03+50W | 203 205 | 5 | < 0.2 | 1.40 | 20 | 150 | < 0.5 | < 2 | 0.26 | < 0.5 | 15 | 71 | 86 | 3.34 | < 10 | < 1 | 0.16 | 30 | 0.46 | 585 |
| 22N 04+00W | 203 205 | 85 | < 0.2 | 0.82 | 26 | 70 | < 0.5 | < 2 | 0.21 | < 0.5 | 15 | 78 | 37 | 3.63 | < 10 | < 1 | 0.14 | 30 | 0.29 | 595 |
| 22N 04+50W | 203 205 | 10 | < 0.2 | 1.02 | 24 | 90 | < 0.5 | < 2 | 0.31 | < 0.5 | 17 | 101 | 42 | 3.82 | < 10 | < 1 | 0.14 | 30 | 0.37 | 665 |
| 22N 05+00W | 203 205 | < 5 | 0.4 | 4.10 | 20 | 60 | < 0.5 | < 2 | 0.91 | < 0.5 | 25 | 77 | 60 | 4.56 | < 10 | < 1 | 0.13 | 10 | 0.63 | 465 |

CERTIFICATION: Hart Buchler



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To: TROUP, ART

3605 CREERY AVE.
 WEST VANCOUVER, BC
 V7V 2M3

Project: GROUSE
 Comments: ATTN: A. TROUP

Page Number : 3-B
 Total Pages : 3
 Certificate Date: 30-JUL-95
 Invoice No. : 19522520
 P.O. Number :
 Account : MVJ

CERTIFICATE OF ANALYSIS

A9522520

| SAMPLE | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|------------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|----------|-----------|
| 10W 27+00N | 203 205 | 1 | 0.01 | 21 | 910 | 18 | 2 | 3 | 7 | < 0.01 | < 10 | < 10 | 40 | < 10 | 180 |
| 10W 27+50N | 203 205 | 1 | 0.02 | 19 | 760 | 24 | 6 | 4 | 17 | < 0.01 | < 10 | < 10 | 50 | < 10 | 86 |
| 10W 28+00N | 203 205 | 1 | 0.01 | 33 | 900 | 46 | 4 | 2 | 8 | < 0.01 | < 10 | < 10 | 19 | < 10 | 102 |
| 10W 28+50N | 203 205 | < 1 | 0.01 | 23 | 720 | 12 | 4 | 6 | 15 | < 0.01 | < 10 | < 10 | 72 | < 10 | 68 |
| 22N 00+00W | 203 205 | 1 | 0.02 | 47 | 950 | 38 | 4 | 9 | 27 | 0.05 | < 10 | < 10 | 89 | < 10 | 108 |
| 22N 00+50W | 203 205 | < 1 | 0.01 | 32 | 450 | 36 | 2 | 3 | 10 | 0.03 | < 10 | < 10 | 30 | < 10 | 72 |
| 22N 01+00W | 203 205 | 1 | 0.02 | 38 | 520 | 30 | < 2 | 5 | 49 | 0.07 | < 10 | < 10 | 46 | < 10 | 78 |
| 22N 01+50W | 203 205 | < 1 | 0.02 | 35 | 440 | 40 | 2 | 6 | 66 | 0.07 | < 10 | < 10 | 43 | < 10 | 76 |
| 22N 02+00W | 203 205 | 1 | 0.02 | 51 | 510 | 46 | < 2 | 6 | 25 | 0.04 | < 10 | < 10 | 38 | < 10 | 108 |
| 22N 02+50W | 203 205 | 1 | 0.01 | 44 | 530 | 36 | < 2 | 6 | 18 | 0.02 | < 10 | < 10 | 34 | < 10 | 70 |
| 22N 03+00W | 203 205 | 1 | 0.02 | 28 | 1130 | 8 | 4 | 9 | 25 | 0.01 | < 10 | < 10 | 87 | < 10 | 96 |
| 22N 03+50W | 203 205 | 1 | 0.01 | 34 | 470 | 28 | < 2 | 4 | 19 | 0.03 | < 10 | < 10 | 36 | < 10 | 74 |
| 22N 04+00W | 203 205 | 1 | 0.01 | 36 | 460 | 50 | 2 | 2 | 16 | < 0.01 | < 10 | < 10 | 12 | < 10 | 68 |
| 22N 04+50W | 203 205 | < 1 | 0.01 | 39 | 510 | 62 | < 2 | 3 | 22 | 0.02 | < 10 | < 10 | 24 | < 10 | 78 |
| 22N 05+00W | 203 205 | 1 | 0.01 | 61 | 1100 | 38 | < 2 | 5 | 48 | < 0.01 | < 10 | < 10 | 16 | < 10 | 82 |

CERTIFICATION: Frank B. Smith



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To: TROUP, ART

3605 CREEERY AVE.
 WEST VANCOUVER, BC
 V7V 2M3

Project: GROUSE
 Comments: ATTN: A. TROUP

Number : 1-A
 Pages : 3
 Certificate Date: 30-JUL-95
 Invoice No. : I9522520
 P.O. Number :
 Account : MVJ

CERTIFICATE OF ANALYSIS A9522520

| SAMPLE | PREP CODE | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|-----------|-----------|-----------------|--------|------|--------|--------|--------|--------|------|--------|--------|--------|--------|------|--------|--------|------|--------|------|--------|
| SSG-01 | 203 205 | < 5 | 0.2 | 1.00 | 22 | 40 | < 0.5 | 2 | 0.51 | < 0.5 | 20 | 38 | 63 | 3.76 | < 10 | < 1 | 0.10 | 40 | 0.35 | 765 |
| SSG-02 | 203 205 | 15 | 0.2 | 1.61 | < 2 | 100 | < 0.5 | < 2 | 0.17 | < 0.5 | 6 | 41 | 29 | 2.20 | < 10 | < 1 | 0.07 | 30 | 0.21 | 70 |
| SSG-03 | 203 205 | < 5 | 0.2 | 1.05 | 26 | 120 | < 0.5 | < 2 | 1.14 | < 0.5 | 17 | 61 | 39 | 3.61 | < 10 | < 1 | 0.10 | 20 | 0.63 | 560 |
| SSG-04 | 203 205 | 10 | 0.4 | 0.74 | 18 | 90 | < 0.5 | < 2 | 1.04 | < 0.5 | 9 | 75 | 30 | 2.35 | < 10 | < 1 | 0.11 | 20 | 0.18 | 1025 |
| SSG-05 | 203 205 | 10 | 0.2 | 0.81 | 26 | 90 | < 0.5 | < 2 | 0.42 | < 0.5 | 14 | 69 | 35 | 3.16 | < 10 | < 1 | 0.11 | 30 | 0.34 | 1210 |
| SSG-06 | 203 205 | < 5 | 0.2 | 0.89 | 18 | 140 | < 0.5 | < 2 | 0.41 | < 0.5 | 14 | 89 | 30 | 3.04 | < 10 | < 1 | 0.09 | 20 | 0.39 | 1380 |
| SSG-07 | 203 205 | < 5 | 2.2 | 0.70 | 4 | 80 | < 0.5 | < 2 | 2.44 | < 0.5 | 4 | 41 | 113 | 0.75 | < 10 | < 1 | 0.06 | 90 | 0.15 | 320 |
| SSG-08 | 203 205 | < 5 | 2.0 | 1.20 | 12 | 80 | < 0.5 | < 2 | 2.11 | 0.5 | 10 | 58 | 46 | 1.93 | < 10 | 2 | 0.14 | 20 | 0.34 | 795 |
| SSG-09 | 203 205 | < 5 | 0.6 | 0.56 | 26 | 100 | < 0.5 | < 2 | 2.84 | < 0.5 | 6 | 25 | 18 | 1.26 | < 10 | < 1 | 0.09 | < 10 | 0.23 | 595 |
| SSG-10 | 203 205 | 25 | 0.4 | 0.70 | 22 | 120 | < 0.5 | < 2 | 0.38 | < 0.5 | 8 | 57 | 16 | 2.16 | < 10 | 1 | 0.08 | 30 | 0.09 | 1200 |
| SSG-11 | 203 205 | < 5 | 0.4 | 0.45 | 14 | 80 | < 0.5 | < 2 | 1.23 | < 0.5 | 8 | 57 | 33 | 1.96 | < 10 | 1 | 0.13 | 10 | 0.19 | 1185 |
| SSG-12 | 203 205 | < 5 | 0.4 | 0.77 | 24 | 40 | < 0.5 | < 2 | 0.15 | < 0.5 | 15 | 79 | 42 | 3.54 | < 10 | < 1 | 0.11 | 30 | 0.29 | 470 |
| SSG-13 | 203 205 | 15 | 1.0 | 0.82 | 32 | 90 | < 0.5 | < 2 | 0.33 | < 0.5 | 15 | 65 | 38 | 3.23 | < 10 | < 1 | 0.15 | 30 | 0.23 | 1025 |
| SSG-14 | 203 205 | < 5 | < 0.2 | 0.54 | 18 | 50 | < 0.5 | < 2 | 0.17 | < 0.5 | 11 | 79 | 34 | 3.03 | < 10 | < 1 | 0.10 | 20 | 0.12 | 565 |
| SSG-15 | 203 205 | 10 | 0.2 | 0.66 | 22 | 70 | < 0.5 | 4 | 0.39 | < 0.5 | 20 | 59 | 47 | 3.40 | < 10 | < 1 | 0.13 | 30 | 0.19 | 1195 |
| SSG-16 | 203 205 | 15 | 0.2 | 0.74 | 24 | 70 | < 0.5 | < 2 | 0.14 | < 0.5 | 16 | 95 | 43 | 3.57 | < 10 | < 1 | 0.16 | 30 | 0.20 | 620 |
| SSG-17 | 203 205 | 10 | < 0.2 | 0.78 | 16 | 60 | < 0.5 | < 2 | 0.18 | < 0.5 | 15 | 76 | 37 | 3.11 | < 10 | < 1 | 0.15 | 40 | 0.21 | 510 |
| SSG-18 | 203 205 | < 5 | 0.6 | 1.36 | 10 | 90 | < 0.5 | < 2 | 0.55 | < 0.5 | 11 | 67 | 28 | 2.57 | < 10 | < 1 | 0.13 | 30 | 0.36 | 945 |
| SSG-19 | 203 205 | 115 | 0.2 | 0.65 | 32 | 60 | < 0.5 | < 2 | 0.13 | 0.5 | 14 | 65 | 37 | 3.29 | < 10 | 2 | 0.09 | 30 | 0.22 | 510 |
| SSG-20 | 203 205 | 70 | 0.4 | 0.75 | 34 | 80 | < 0.5 | < 2 | 0.11 | 0.5 | 16 | 74 | 38 | 3.41 | < 10 | < 1 | 0.14 | 50 | 0.17 | 730 |
| SSG-21A | 203 205 | 20 | 0.6 | 0.81 | 40 | 90 | < 0.5 | 2 | 0.12 | 0.5 | 16 | 96 | 39 | 3.64 | < 10 | < 1 | 0.17 | 40 | 0.20 | 705 |
| SSG-21B | 203 205 | 120 | 0.6 | 0.80 | 34 | 90 | < 0.5 | < 2 | 0.12 | 0.5 | 17 | 88 | 40 | 3.73 | < 10 | < 1 | 0.15 | 30 | 0.20 | 785 |
| 9W 10+50N | 203 205 | 40 | 0.4 | 0.80 | 116 | 70 | < 0.5 | < 2 | 0.16 | 0.5 | 20 | 63 | 51 | 4.18 | < 10 | < 1 | 0.15 | 30 | 0.22 | 1045 |
| 9W 11+00N | 203 205 | < 5 | 0.6 | 1.95 | 8 | 90 | < 0.5 | < 2 | 0.13 | < 0.5 | 20 | 56 | 60 | 4.56 | < 10 | 1 | 0.21 | 50 | 0.48 | 1075 |
| 9W 11+50N | 203 205 | < 5 | 0.2 | 1.09 | 18 | 100 | < 0.5 | < 2 | 0.28 | < 0.5 | 16 | 45 | 29 | 3.94 | < 10 | < 1 | 0.13 | 30 | 0.21 | 1135 |
| 9W 12+00N | 203 205 | < 5 | 0.2 | 0.86 | 4 | 80 | < 0.5 | < 2 | 0.08 | < 0.5 | 5 | 61 | 11 | 2.10 | < 10 | < 1 | 0.12 | 30 | 0.06 | 115 |
| 9W 12+50N | 203 205 | < 5 | 0.2 | 1.17 | 14 | 70 | < 0.5 | < 2 | 0.09 | < 0.5 | 17 | 26 | 47 | 3.62 | < 10 | < 1 | 0.15 | 60 | 0.23 | 610 |
| 9W 13+00N | 203 205 | < 5 | 0.2 | 0.81 | 32 | 80 | < 0.5 | < 2 | 0.12 | < 0.5 | 25 | 61 | 62 | 5.16 | < 10 | < 1 | 0.17 | 30 | 0.16 | 1340 |
| 9W 13+50N | 203 205 | < 5 | 0.6 | 1.09 | 18 | 70 | < 0.5 | < 2 | 0.23 | < 0.5 | 16 | 53 | 50 | 3.54 | < 10 | < 1 | 0.12 | 40 | 0.27 | 740 |
| 9W 14+00N | 203 205 | < 5 | < 0.2 | 1.27 | 12 | 70 | < 0.5 | < 2 | 0.17 | < 0.5 | 6 | 60 | 15 | 4.24 | < 10 | < 1 | 0.10 | 20 | 0.19 | 160 |
| 9W 14+50N | 203 205 | < 5 | 0.2 | 1.29 | 22 | 70 | < 0.5 | 2 | 0.06 | < 0.5 | 13 | 55 | 35 | 3.39 | < 10 | < 1 | 0.13 | 30 | 0.29 | 425 |
| 9W 15+00N | 203 205 | < 5 | 0.2 | 1.07 | 26 | 100 | < 0.5 | 2 | 0.04 | < 0.5 | 18 | 80 | 40 | 3.88 | < 10 | < 1 | 0.18 | 30 | 0.23 | 575 |
| 9W 15+50N | 203 205 | < 5 | 0.2 | 1.60 | 20 | 120 | < 0.5 | < 2 | 0.08 | < 0.5 | 23 | 54 | 54 | 4.09 | < 10 | < 1 | 0.21 | 30 | 0.40 | 1020 |
| 9W 16+00N | 203 205 | 30 | 0.2 | 1.20 | 50 | 120 | < 0.5 | < 2 | 0.03 | < 0.5 | 17 | 60 | 53 | 3.84 | < 10 | < 1 | 0.18 | 50 | 0.23 | 565 |
| 9W 16+50N | 203 205 | 10 | 1.8 | 1.15 | 30 | 100 | < 0.5 | < 2 | 0.18 | 0.5 | 16 | 56 | 38 | 3.50 | < 10 | 1 | 0.15 | 40 | 0.29 | 820 |
| 9W 17+00N | 203 205 | < 5 | < 0.2 | 0.77 | 24 | 70 | < 0.5 | < 2 | 0.09 | < 0.5 | 14 | 68 | 36 | 3.23 | < 10 | < 1 | 0.13 | 30 | 0.24 | 505 |
| 9W 17+50N | 203 205 | < 5 | 0.2 | 0.66 | 24 | 60 | < 0.5 | < 2 | 0.13 | < 0.5 | 15 | 64 | 35 | 3.25 | < 10 | < 1 | 0.12 | 30 | 0.20 | 545 |
| 9W 18+00N | 203 205 | < 5 | 0.2 | 1.04 | 30 | 80 | < 0.5 | < 2 | 0.23 | < 0.5 | 17 | 75 | 38 | 3.49 | < 10 | < 1 | 0.18 | 40 | 0.35 | 600 |
| 9W 18+50N | 203 205 | 20 | 0.2 | 0.64 | 56 | 70 | < 0.5 | < 2 | 0.97 | < 0.5 | 19 | 68 | 48 | 4.62 | < 10 | < 1 | 0.14 | 40 | 0.21 | 405 |
| 9W 19+00N | 203 205 | 2310 | 0.2 | 1.22 | 14 | 140 | < 0.5 | < 2 | 0.57 | < 0.5 | 16 | 74 | 39 | 3.44 | < 10 | < 1 | 0.13 | 20 | 0.60 | 605 |

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: TROUP, ART

3605 CREEZY AVE.
 WEST VANCOUVER, BC
 V7V 2M3

Project: GROUSE
 Comments: ATTN: A. TROUP

Page Number : 1-B
 Pages : 3
 Certificate Date: 30-JUL-95
 Invoice No. : I9522520
 P.O. Number :
 Account : MVJ

CERTIFICATE OF ANALYSIS A9522520

| SAMPLE | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm | |
|-----------|-----------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|----|
| SSG-01 | 203 205 | < 1 | 0.01 | 35 | 790 | 22 | 4 | 3 | 37 | < 0.01 | < 10 | < 10 | 14 | < 10 | 98 | |
| SSG-02 | 203 205 | < 1 | < 0.01 | 18 | 420 | 52 | 2 | 2 | 12 | < 0.01 | < 10 | < 10 | 14 | < 10 | 28 | |
| SSG-03 | 203 205 | < 1 | 0.01 | 38 | 550 | 34 | 2 | 3 | 51 | 0.05 | < 10 | < 10 | 29 | < 10 | 84 | |
| SSG-04 | 203 205 | 1 | 0.01 | 31 | 880 | 36 | 2 | 1 | 65 | < 0.01 | < 10 | < 10 | 11 | < 10 | 60 | |
| SSG-05 | 203 205 | 1 | 0.01 | 29 | 500 | 38 | 2 | 2 | 23 | 0.02 | < 10 | < 10 | 19 | < 10 | 72 | |
| SSG-06 | 203 205 | < 1 | 0.01 | 31 | 490 | 28 | < 2 | 3 | 20 | 0.06 | < 10 | < 10 | 30 | < 10 | 66 | |
| SSG-07 | 203 205 | < 1 | 0.01 | 17 | 1090 | 18 | < 2 | 4 | 159 | < 0.01 | < 10 | < 10 | 70 | 7 | < 10 | 16 |
| SSG-08 | 203 205 | < 1 | 0.01 | 28 | 1330 | 46 | 2 | 2 | 99 | < 0.01 | < 10 | 10 | 12 | < 10 | 60 | |
| SSG-09 | 203 205 | < 1 | 0.01 | 9 | 1000 | 24 | 2 | < 1 | 151 | < 0.01 | < 10 | 20 | 7 | < 10 | 36 | |
| SSG-10 | 203 205 | 1 | < 0.01 | 12 | 390 | 26 | < 2 | 1 | 27 | < 0.01 | < 10 | < 10 | 14 | < 10 | 62 | |
| SSG-11 | 203 205 | 1 | 0.01 | 36 | 830 | 36 | 2 | < 1 | 60 | < 0.01 | < 10 | < 10 | 5 | < 10 | 60 | |
| SSG-12 | 203 205 | < 1 | < 0.01 | 32 | 400 | 38 | < 2 | 2 | 10 | 0.01 | < 10 | < 10 | 14 | < 10 | 72 | |
| SSG-13 | 203 205 | < 1 | 0.01 | 35 | 790 | 36 | 2 | 4 | 30 | < 0.01 | < 10 | < 10 | 12 | < 10 | 76 | |
| SSG-14 | 203 205 | 1 | < 0.01 | 22 | 420 | 52 | < 2 | 1 | 14 | < 0.01 | < 10 | < 10 | 6 | < 10 | 250 | |
| SSG-15 | 203 205 | < 1 | < 0.01 | 32 | 440 | 52 | 2 | 2 | 17 | < 0.01 | < 10 | < 10 | 6 | < 10 | 80 | |
| SSG-16 | 203 205 | 1 | 0.01 | 32 | 470 | 72 | 4 | 2 | 15 | < 0.01 | < 10 | < 10 | 9 | < 10 | 90 | |
| SSG-17 | 203 205 | 1 | < 0.01 | 35 | 410 | 30 | < 2 | 2 | 15 | < 0.01 | < 10 | < 10 | 8 | < 10 | 68 | |
| SSG-18 | 203 205 | < 1 | 0.01 | 20 | 1030 | 22 | 2 | 2 | 32 | 0.01 | < 10 | < 10 | 20 | < 10 | 72 | |
| SSG-19 | 203 205 | 1 | < 0.01 | 32 | 380 | 48 | 2 | 2 | 9 | 0.02 | < 10 | < 10 | 14 | < 10 | 72 | |
| SSG-20 | 203 205 | < 1 | 0.01 | 29 | 560 | 118 | 2 | 2 | 13 | < 0.01 | < 10 | < 10 | 12 | < 10 | 90 | |
| SSG-21A | 203 205 | < 1 | 0.01 | 32 | 490 | 112 | 2 | 2 | 13 | < 0.01 | < 10 | < 10 | 13 | < 10 | 96 | |
| SSG-21B | 203 205 | 1 | 0.01 | 34 | 470 | 112 | 2 | 2 | 12 | < 0.01 | < 10 | < 10 | 12 | < 10 | 118 | |
| 9W 10+50N | 203 205 | 1 | 0.01 | 31 | 620 | 196 | 4 | 3 | 16 | < 0.01 | < 10 | < 10 | 14 | < 10 | 102 | |
| 9W 11+00N | 203 205 | < 1 | < 0.01 | 33 | 930 | 48 | 2 | 3 | 13 | < 0.01 | < 10 | < 10 | 15 | < 10 | 100 | |
| 9W 11+50N | 203 205 | < 1 | 0.01 | 26 | 800 | 30 | 2 | 2 | 21 | 0.01 | < 10 | < 10 | 20 | < 10 | 88 | |
| 9W 12+00N | 203 205 | < 1 | 0.01 | 8 | 400 | 18 | < 2 | 1 | 13 | < 0.01 | < 10 | < 10 | 13 | < 10 | 38 | |
| 9W 12+50N | 203 205 | < 1 | < 0.01 | 29 | 460 | 26 | 4 | 3 | 11 | < 0.01 | < 10 | < 10 | 7 | < 10 | 90 | |
| 9W 13+00N | 203 205 | < 1 | 0.01 | 32 | 580 | 40 | 2 | 4 | 16 | < 0.01 | < 10 | < 10 | 24 | < 10 | 98 | |
| 9W 13+50N | 203 205 | < 1 | < 0.01 | 29 | 700 | 46 | 2 | 3 | 18 | < 0.01 | < 10 | < 10 | 14 | < 10 | 90 | |
| 9W 14+00N | 203 205 | 1 | < 0.01 | 13 | 430 | 32 | 2 | 1 | 17 | 0.03 | < 10 | < 10 | 26 | < 10 | 46 | |
| 9W 14+50N | 203 205 | 1 | 0.01 | 26 | 420 | 38 | 2 | 2 | 7 | 0.01 | < 10 | < 10 | 20 | < 10 | 76 | |
| 9W 15+00N | 203 205 | 1 | 0.01 | 33 | 480 | 50 | 2 | 2 | 9 | < 0.01 | < 10 | < 10 | 15 | < 10 | 90 | |
| 9W 15+50N | 203 205 | < 1 | 0.01 | 38 | 470 | 32 | 2 | 2 | 10 | 0.01 | < 10 | < 10 | 20 | < 10 | 94 | |
| 9W 16+00N | 203 205 | < 1 | 0.01 | 36 | 300 | 58 | < 2 | 3 | 9 | < 0.01 | < 10 | < 10 | 15 | < 10 | 108 | |
| 9W 16+50N | 203 205 | < 1 | 0.01 | 32 | 510 | 156 | < 2 | 3 | 17 | 0.01 | < 10 | < 10 | 19 | < 10 | 112 | |
| 9W 17+00N | 203 205 | 1 | 0.01 | 29 | 400 | 36 | 4 | 2 | 9 | 0.01 | < 10 | < 10 | 12 | < 10 | 78 | |
| 9W 17+50N | 203 205 | < 1 | < 0.01 | 27 | 410 | 46 | < 2 | 2 | 16 | < 0.01 | < 10 | < 10 | 10 | < 10 | 76 | |
| 9W 18+00N | 203 205 | < 1 | 0.01 | 37 | 460 | 30 | 4 | 2 | 19 | < 0.01 | < 10 | < 10 | 15 | < 10 | 62 | |
| 9W 18+50N | 203 205 | < 1 | 0.01 | 43 | 420 | 30 | 4 | 2 | 56 | < 0.01 | < 10 | < 10 | 9 | < 10 | 92 | |
| 9W 19+00N | 203 205 | < 1 | 0.01 | 35 | 550 | 22 | 2 | 4 | 25 | 0.05 | < 10 | < 10 | 35 | < 10 | 74 | |

CERTIFICATION:

[Signature]



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: TROUP, ART

3605 CREEERY AVE.
 WEST VANCOUVER, BC
 V7V 2M3

Project: GROUSE
 Comments: ATTN: A. TROUP

Report Number: 2-A
 Pages: 3
 Certificate Date: 30-JUL-95
 Invoice No.: 19522520
 P.O. Number:
 Account: MVJ

CERTIFICATE OF ANALYSIS A9522520

| SAMPLE | PREP CODE | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|------------|-----------|-----------------|--------|------|-----------|-----------|------------|------------|------|--------|--------|--------|--------|------|--------|--------|------|--------|------|--------|
| 9W 19+50N | 203 205 | 10 | 0.4 | 0.92 | 26 | 120 < 0.5 | < 2 | 0.41 < 0.5 | 14 | 71 | 37 | 3.40 | < 10 | < 1 | 0.10 | 20 | 0.41 | 580 | | |
| 9W 20+00N | 203 205 | 100 | 0.4 | 1.06 | 12 | 130 < 0.5 | < 2 | 0.73 < 0.5 | 16 | 62 | 38 | 3.59 | < 10 | < 1 | 0.10 | 20 | 0.57 | 715 | | |
| 9W 20+50N | 203 205 | 5 < 0.2 | 1.28 | 18 | 160 < 0.5 | < 2 | 0.37 < 0.5 | 18 | 72 | 41 | 3.91 | 10 | < 1 | 0.13 | 30 | 0.54 | 800 | | | |
| 9W 20+50NA | 203 205 | 230 | 0.2 | 0.92 | 36 | 110 < 0.5 | < 2 | 0.30 < 0.5 | 16 | 61 | 52 | 3.74 | < 10 | < 1 | 0.12 | 30 | 0.39 | 655 | | |
| 9W 21+00N | 203 205 | 15 < 0.2 | 1.96 | 22 | 260 < 0.5 | < 2 | 0.39 < 0.5 | 21 | 71 | 61 | 4.43 | 10 | < 1 | 0.22 | 30 | 0.64 | 890 | | | |
| 10W 10+70N | 203 205 | < 5 | 0.2 | 0.26 | 40 | 60 < 0.5 | < 2 | 0.04 < 0.5 | 23 | 44 | 42 | 3.96 | 10 | < 1 | 0.14 | 50 | 0.06 | 785 | | |
| 10W 11+00N | 203 205 | 15 | 1.4 | 0.82 | 68 | 80 < 0.5 | 4 | 0.06 < 0.5 | 15 | 52 | 41 | 3.91 | < 10 | < 1 | 0.14 | 30 | 0.21 | 665 | | |
| 10W 11+50N | 203 205 | 555 | 0.6 | 0.72 | 36 | 70 < 0.5 | < 2 | 0.07 < 0.5 | 13 | 58 | 33 | 3.64 | 10 | < 1 | 0.11 | 30 | 0.16 | 700 | | |
| 10W 12+00N | 203 205 | 20 | 0.6 | 0.86 | 42 | 90 < 0.5 | < 2 | 0.16 < 0.5 | 16 | 77 | 42 | 4.21 | 10 | < 1 | 0.14 | 40 | 0.21 | 900 | | |
| 10W 12+50N | 203 205 | 25 | 0.4 | 0.77 | 118 | 80 < 0.5 | < 2 | 0.12 < 0.5 | 22 | 57 | 56 | 5.68 | 10 | < 1 | 0.11 | 40 | 0.15 | 1285 | | |
| 10W 13+00N | 203 205 | 45 | 1.2 | 0.71 | 366 | 100 < 0.5 | < 2 | 0.17 < 0.5 | 23 | 58 | 48 | 4.27 | 10 | < 1 | 0.13 | 40 | 0.20 | 1345 | | |
| 10W 13+50N | 203 205 | 6400 | 3.2 | 0.66 | 9910 | 400 < 0.5 | 6 | 0.23 < 2.5 | 29 | 46 | 43 | 10.35 | < 10 | < 1 | 0.07 | 10 | 0.17 | 850 | | |
| 10W 14+00N | 203 205 | 145 | 1.4 | 0.58 | 260 | 80 < 0.5 | < 2 | 0.20 < 0.5 | 30 | 48 | 47 | 4.17 | < 10 | < 1 | 0.11 | 30 | 0.14 | 765 | | |
| 10W 14+50N | 203 205 | 20 | 1.2 | 0.45 | 66 | 70 < 0.5 | < 2 | 0.16 < 0.5 | 36 | 48 | 101 | 6.06 | < 10 | < 1 | 0.11 | 30 | 0.10 | 675 | | |
| 10W 15+00N | 203 205 | 10 | 0.2 | 0.63 | 42 | 40 < 0.5 | < 2 | 0.08 < 0.5 | 15 | 64 | 42 | 3.83 | < 10 | < 1 | 0.10 | 30 | 0.18 | 595 | | |
| 10W 15+25N | 203 205 | 120 | 0.4 | 0.53 | 60 | 80 < 0.5 | < 2 | 0.16 < 0.5 | 37 | 54 | 48 | 5.05 | < 10 | < 1 | 0.16 | 40 | 0.16 | 1980 | | |
| 10W 15+50N | 203 205 | 15 | 0.2 | 0.75 | 40 | 80 < 0.5 | < 2 | 0.14 < 0.5 | 22 | 98 | 54 | 4.21 | 10 | < 1 | 0.17 | 40 | 0.19 | 595 | | |
| 10W 16+00N | 203 205 | 5 | 0.4 | 1.18 | 28 | 90 < 0.5 | < 2 | 0.21 < 0.5 | 17 | 73 | 55 | 3.80 | 10 | < 1 | 0.15 | 40 | 0.32 | 880 | | |
| 10W 16+50N | 203 205 | 10 | 0.4 | 0.88 | 32 | 70 < 0.5 | < 2 | 0.07 < 0.5 | 18 | 63 | 59 | 4.38 | < 10 | < 1 | 0.11 | 30 | 0.14 | 1155 | | |
| 10W 17+00N | 203 205 | 20 < 0.2 | 0.63 | 8 | 60 < 0.5 | < 2 | 0.04 < 0.5 | 13 | 94 | 38 | 3.43 | < 10 | < 1 | 0.14 | 30 | 0.19 | 480 | | | |
| 10W 17+25N | 203 205 | 5 | 0.2 | 0.75 | 34 | 70 < 0.5 | < 2 | 0.07 < 0.5 | 18 | 99 | 58 | 4.19 | < 10 | < 1 | 0.16 | 40 | 0.23 | 600 | | |
| 10W 17+50N | 203 205 | 10 | 0.8 | 0.91 | 12 | 60 < 0.5 | < 2 | 0.18 < 0.5 | 33 | 51 | 94 | 5.35 | 10 | < 1 | 0.19 | 90 | 0.06 | 440 | | |
| 10W 18+00N | 203 205 | 25 | 0.2 | 0.63 | 52 | 50 < 0.5 | < 2 | 0.12 < 0.5 | 27 | 73 | 59 | 4.91 | < 10 | < 1 | 0.12 | 30 | 0.10 | 1015 | | |
| 10W 18+50N | 203 205 | < 5 | 0.2 | 0.59 | 20 | 60 < 0.5 | < 2 | 0.15 < 0.5 | 15 | 83 | 37 | 3.42 | < 10 | < 1 | 0.11 | 20 | 0.20 | 695 | | |
| 10W 19+00N | 203 205 | < 5 < 0.2 | 0.63 | 20 | 70 < 0.5 | < 2 | 0.15 < 0.5 | 16 | 96 | 42 | 3.73 | < 10 | < 1 | 0.11 | 20 | 0.21 | 620 | | | |
| 10W 19+50N | 203 205 | < 5 | 0.2 | 0.43 | 12 | 60 < 0.5 | < 2 | 0.26 < 0.5 | 16 | 64 | 37 | 3.20 | < 10 | < 1 | 0.11 | 30 | 0.10 | 790 | | |
| 10W 20+00N | 203 205 | 40 < 0.2 | 1.02 | 46 | 50 < 0.5 | < 2 | 0.04 < 0.5 | 13 | 75 | 37 | 4.68 | < 10 | < 1 | 0.10 | 20 | 0.17 | 240 | | | |
| 10W 20+50N | 203 205 | < 5 | 1.2 | 1.25 | 14 | 90 < 0.5 | < 2 | 0.48 < 0.5 | 13 | 75 | 34 | 3.76 | < 10 | < 1 | 0.13 | 20 | 0.23 | 1355 | | |
| 10W 21+00N | 203 205 | < 5 | 0.6 | 1.20 | 18 | 80 < 0.5 | < 2 | 0.58 < 0.5 | 8 | 90 | 19 | 3.83 | 10 | < 1 | 0.10 | 20 | 0.15 | 280 | | |
| 10W 21+50N | 203 205 | < 5 | 0.2 | 0.91 | 16 | 40 < 0.5 | < 2 | 0.02 < 0.5 | 7 | 86 | 23 | 4.54 | 10 | < 1 | 0.10 | 30 | 0.10 | 155 | | |
| 10W 22+00N | 203 205 | < 5 < 0.2 | 0.67 | 8 | 40 < 0.5 | < 2 | 0.02 < 0.5 | 9 | 123 | 30 | 4.40 | 10 | < 1 | 0.12 | 20 | 0.10 | 810 | | | |
| 10W 22+50N | 203 205 | < 5 | 0.4 | 1.18 | 20 | 70 < 0.5 | < 2 | 0.10 < 0.5 | 11 | 85 | 29 | 5.23 | 10 | < 1 | 0.12 | 20 | 0.15 | 390 | | |
| 10W 23+00N | 203 205 | < 5 | 0.2 | 1.00 | 16 | 60 < 0.5 | < 2 | 0.08 < 0.5 | 5 | 89 | 23 | 3.34 | 10 | < 1 | 0.10 | 20 | 0.11 | 225 | | |
| 10W 23+50N | 203 205 | 215 | 0.2 | 1.17 | 20 | 30 < 0.5 | < 2 | 0.02 < 0.5 | 8 | 62 | 37 | 7.84 | 10 | < 1 | 0.10 | 20 | 0.14 | 185 | | |
| 10W 24+00N | 203 205 | < 5 < 0.2 | 3.44 | 6 | 90 < 0.5 | < 2 | 0.04 < 0.5 | 26 | 81 | 78 | 6.49 | < 10 | < 1 | 0.08 | 10 | 0.95 | 310 | | | |
| 10W 24+50N | 203 205 | < 5 < 0.2 | 2.22 | 4 | 60 < 0.5 | < 2 | 0.04 < 0.5 | 12 | 41 | 43 | 5.43 | 10 | < 1 | 0.08 | 20 | 0.54 | 235 | | | |
| 10W 25+00N | 203 205 | < 5 | 0.2 | 2.30 | 14 | 80 < 0.5 | < 2 | 0.03 < 0.5 | 17 | 48 | 60 | 6.85 | 10 | < 1 | 0.09 | 20 | 0.62 | 725 | | |
| 10W 25+50N | 203 205 | < 5 < 0.2 | 3.48 | 2 | 140 < 0.5 | < 2 | 0.56 < 0.5 | 30 | 50 | 218 | 8.06 | 10 | < 1 | 0.08 | 40 | 1.49 | 1875 | | | |
| 10W 26+00N | 203 205 | < 5 | 0.2 | 2.99 | 24 | 80 < 0.5 | < 2 | 0.56 < 0.5 | 37 | 45 | 151 | 6.81 | 10 | 2 | 0.09 | 30 | 0.96 | 1805 | | |
| 10W 26+50N | 203 205 | < 5 < 0.2 | 2.45 | 16 | 80 < 0.5 | < 2 | 0.10 < 0.5 | 19 | 37 | 71 | 6.39 | 10 | < 1 | 0.08 | 10 | 0.72 | 525 | | | |

CERTIFICATION: *Hart Buchler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: TROUP, ART

3605 CREERY AVE.
 WEST VANCOUVER, BC
 V7V 2M3

Project: GROUSE
 Comments: ATTN: A. TROUP

Page Number : 2-B
 Pages : 3
 Certificate Date: 30-JUL-95
 Invoice No. : 19522520
 P.O. Number :
 Account : MVJ

CERTIFICATE OF ANALYSIS A9522520

| SAMPLE | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|------------|-----------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|
| 9W 19+50N | 203 205 | 1 | 0.01 | 32 | 540 | 32 | 2 | 3 | 17 | 0.06 | < 10 | < 10 | 33 | < 10 | 70 |
| 9W 20+00N | 203 205 | < 1 | 0.01 | 42 | 570 | 28 | 2 | 3 | 30 | 0.04 | < 10 | < 10 | 32 | < 10 | 78 |
| 9W 20+50N | 203 205 | < 1 | 0.01 | 44 | 600 | 26 | 4 | 5 | 24 | 0.05 | < 10 | < 10 | 38 | < 10 | 86 |
| 9W 20+50NA | 203 205 | 1 | 0.01 | 37 | 520 | 44 | 2 | 3 | 16 | 0.02 | < 10 | < 10 | 22 | < 10 | 84 |
| 9W 21+00N | 203 205 | < 1 | 0.01 | 58 | 570 | 38 | 2 | 7 | 26 | 0.03 | < 10 | < 10 | 35 | < 10 | 110 |
| 10W 10+70N | 203 205 | < 1 | < 0.01 | 43 | 290 | 40 | 2 | 2 | 8 | < 0.01 | < 10 | < 10 | 3 | < 10 | 116 |
| 10W 11+00N | 203 205 | 1 | 0.01 | 38 | 430 | 320 | 2 | 2 | 9 | < 0.01 | < 10 | < 10 | 10 | < 10 | 124 |
| 10W 11+50N | 203 205 | 1 | < 0.01 | 28 | 670 | 102 | 2 | 1 | 9 | < 0.01 | < 10 | < 10 | 13 | < 10 | 86 |
| 10W 12+00N | 203 205 | 1 | < 0.01 | 38 | 600 | 120 | 2 | 2 | 18 | < 0.01 | < 10 | < 10 | 13 | < 10 | 116 |
| 10W 12+50N | 203 205 | 1 | < 0.01 | 59 | 670 | 174 | 4 | 2 | 13 | < 0.01 | < 10 | < 10 | 10 | < 10 | 120 |
| 10W 13+00N | 203 205 | 1 | 0.01 | 47 | 570 | 274 | 2 | 3 | 15 | 0.01 | < 10 | < 10 | 14 | < 10 | 118 |
| 10W 13+50N | 203 205 | < 1 | < 0.01 | 37 | 470 | 146 | 8 | 4 | 21 | 0.01 | < 10 | < 10 | 15 | < 10 | 64 |
| 10W 14+00N | 203 205 | < 1 | < 0.01 | 50 | 610 | 52 | 4 | 6 | 16 | < 0.01 | < 10 | < 10 | 8 | < 10 | 64 |
| 10W 14+50N | 203 205 | 2 | 0.01 | 97 | 620 | 74 | 4 | 4 | 16 | < 0.01 | < 10 | < 10 | 6 | < 10 | 106 |
| 10W 15+00N | 203 205 | 1 | < 0.01 | 34 | 490 | 52 | 2 | 1 | 9 | < 0.01 | < 10 | < 10 | 9 | < 10 | 84 |
| 10W 15+25N | 203 205 | 1 | 0.01 | 47 | 380 | 40 | 4 | 4 | 19 | < 0.01 | < 10 | < 10 | 6 | < 10 | 122 |
| 10W 15+50N | 203 205 | 1 | 0.01 | 44 | 490 | 58 | 2 | 2 | 15 | < 0.01 | < 10 | < 10 | 11 | < 10 | 106 |
| 10W 16+00N | 203 205 | 1 | < 0.01 | 33 | 580 | 88 | 2 | 2 | 19 | < 0.01 | < 10 | < 10 | 13 | < 10 | 90 |
| 10W 16+50N | 203 205 | 1 | 0.01 | 27 | 900 | 50 | 2 | 2 | 10 | < 0.01 | < 10 | < 10 | 11 | < 10 | 104 |
| 10W 17+00N | 203 205 | 1 | 0.01 | 32 | 400 | 34 | 2 | 2 | 9 | < 0.01 | < 10 | < 10 | 9 | < 10 | 82 |
| 10W 17+25N | 203 205 | 1 | 0.01 | 38 | 490 | 82 | 2 | 2 | 11 | < 0.01 | < 10 | < 10 | 11 | < 10 | 100 |
| 10W 17+50N | 203 205 | 1 | < 0.01 | 76 | 1250 | 20 | 4 | 3 | 21 | < 0.01 | < 10 | < 10 | 5 | < 10 | 126 |
| 10W 18+00N | 203 205 | 1 | 0.01 | 39 | 720 | 34 | 4 | 2 | 13 | < 0.01 | < 10 | < 10 | 6 | < 10 | 130 |
| 10W 18+50N | 203 205 | 1 | < 0.01 | 33 | 420 | 44 | 2 | 1 | 13 | < 0.01 | < 10 | < 10 | 9 | < 10 | 82 |
| 10W 19+00N | 203 205 | 1 | < 0.01 | 33 | 460 | 52 | 4 | 2 | 14 | < 0.01 | < 10 | < 10 | 11 | < 10 | 88 |
| 10W 19+50N | 203 205 | 1 | 0.01 | 35 | 480 | 18 | < 2 | 2 | 20 | < 0.01 | < 10 | < 10 | 5 | < 10 | 44 |
| 10W 20+00N | 203 205 | 2 | < 0.01 | 30 | 280 | 56 | 4 | 1 | 6 | < 0.01 | < 10 | < 10 | 10 | < 10 | 78 |
| 10W 20+50N | 203 205 | 1 | 0.01 | 27 | 400 | 44 | 2 | 3 | 35 | < 0.01 | < 10 | < 10 | 16 | < 10 | 82 |
| 10W 21+00N | 203 205 | 1 | 0.01 | 16 | 480 | 28 | 4 | 1 | 36 | < 0.01 | < 10 | < 10 | 21 | < 10 | 58 |
| 10W 21+50N | 203 205 | 1 | < 0.01 | 16 | 550 | 20 | 4 | 1 | 6 | 0.01 | < 10 | < 10 | 29 | < 10 | 54 |
| 10W 22+00N | 203 205 | 2 | < 0.01 | 23 | 1150 | 22 | 2 | 1 | 5 | < 0.01 | < 10 | < 10 | 26 | < 10 | 62 |
| 10W 22+50N | 203 205 | 2 | 0.01 | 24 | 690 | 30 | 4 | 1 | 10 | 0.01 | < 10 | < 10 | 27 | < 10 | 92 |
| 10W 23+00N | 203 205 | 1 | 0.01 | 16 | 450 | 28 | 2 | 1 | 8 | 0.01 | < 10 | < 10 | 32 | < 10 | 48 |
| 10W 23+50N | 203 205 | 2 | 0.01 | 25 | 580 | 42 | 6 | 2 | 6 | 0.02 | < 10 | < 10 | 27 | < 10 | 52 |
| 10W 24+00N | 203 205 | 1 | 0.01 | 45 | 520 | 6 | 2 | 8 | 8 | 0.01 | < 10 | < 10 | 78 | < 10 | 76 |
| 10W 24+50N | 203 205 | 1 | 0.01 | 21 | 770 | 6 | < 2 | 3 | 7 | 0.01 | < 10 | < 10 | 59 | < 10 | 56 |
| 10W 25+00N | 203 205 | 1 | 0.02 | 20 | 1280 | 6 | 4 | 4 | 10 | 0.01 | < 10 | < 10 | 86 | < 10 | 74 |
| 10W 25+50N | 203 205 | 1 | < 0.01 | 22 | 1500 | 12 | 8 | 14 | 54 | < 0.01 | < 10 | < 10 | 106 | 10 | 94 |
| 10W 26+00N | 203 205 | 1 | 0.01 | 27 | 800 | 40 | 6 | 17 | 37 | < 0.01 | < 10 | < 10 | 96 | < 10 | 88 |
| 10W 26+50N | 203 205 | < 1 | 0.01 | 20 | 660 | 8 | 4 | 4 | 8 | < 0.01 | < 10 | < 10 | 59 | < 10 | 98 |

CERTIFICATION: *[Signature]*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: TROUP, ART

3605 CREEERY AVE.
 WEST VANCOUVER, BC
 V7V 2M3

Project: GROUSE
 Comments: ATTN: A. TROUP

Page Number : 3-A
 Pages : 3
 Certificate Date: 30-JUL-95
 Invoice No. : I9522520
 P.O. Number :
 Account : MVJ

CERTIFICATE OF ANALYSIS A9522520

| SAMPLE | PREP CODE | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|------------|-----------|-----------------|--------|------|--------|--------|--------|--------|------|--------|--------|--------|--------|------|--------|--------|------|--------|------|--------|
| 10W 27+00N | 203 205 | < 5 | 0.2 | 1.66 | 28 | 60 | < 0.5 | < 2 | 0.04 | < 0.5 | 24 | 36 | 113 | 6.27 | 10 | < 1 | 0.15 | 20 | 0.50 | 585 |
| 10W 27+50N | 203 205 | < 5 | 0.2 | 2.06 | 22 | 90 | < 0.5 | < 2 | 0.22 | < 0.5 | 22 | 44 | 64 | 6.26 | 10 | < 1 | 0.14 | 20 | 0.49 | 705 |
| 10W 28+00N | 203 205 | < 5 | 0.2 | 1.40 | < 2 | 70 | < 0.5 | < 2 | 0.01 | < 0.5 | 16 | 56 | 74 | 6.66 | 10 | < 1 | 0.21 | 40 | 0.31 | 420 |
| 10W 28+50N | 203 205 | 5 | < 0.2 | 2.57 | 2 | 210 | < 0.5 | < 2 | 0.07 | < 0.5 | 19 | 55 | 227 | 5.90 | 10 | < 1 | 0.17 | 30 | 0.78 | 1070 |
| 22N 00+00W | 203 205 | 35 | 0.4 | 2.33 | 20 | 210 | < 0.5 | < 2 | 0.49 | < 0.5 | 27 | 107 | 467 | 5.13 | 10 | < 1 | 0.18 | 30 | 1.14 | 1100 |
| 22N 00+50W | 203 205 | 560 | < 0.2 | 1.43 | 12 | 110 | < 0.5 | < 2 | 0.14 | < 0.5 | 14 | 98 | 34 | 3.60 | 10 | < 1 | 0.16 | 30 | 0.36 | 425 |
| 22N 01+00W | 203 205 | < 5 | < 0.2 | 1.62 | 18 | 230 | < 0.5 | < 2 | 1.20 | < 0.5 | 17 | 102 | 44 | 3.83 | < 10 | < 1 | 0.22 | 20 | 0.68 | 685 |
| 22N 01+50W | 203 205 | < 5 | 0.2 | 1.41 | 20 | 120 | < 0.5 | < 2 | 1.85 | < 0.5 | 18 | 117 | 46 | 3.65 | 10 | < 1 | 0.21 | 30 | 0.66 | 605 |
| 22N 02+00W | 203 205 | 30 | 0.2 | 1.67 | 30 | 140 | < 0.5 | < 2 | 0.33 | 0.5 | 22 | 97 | 87 | 4.27 | 10 | < 1 | 0.22 | 40 | 0.58 | 825 |
| 22N 02+50W | 203 205 | 10 | < 0.2 | 1.61 | 16 | 120 | < 0.5 | < 2 | 0.21 | < 0.5 | 18 | 90 | 72 | 3.79 | 10 | < 1 | 0.20 | 40 | 0.50 | 620 |
| 22N 03+00W | 203 205 | 15 | 0.2 | 2.66 | 18 | 150 | < 0.5 | < 2 | 0.80 | < 0.5 | 34 | 45 | 119 | 6.62 | 10 | < 1 | 0.17 | 20 | 1.07 | 1335 |
| 22N 03+50W | 203 205 | 5 | < 0.2 | 1.40 | 20 | 150 | < 0.5 | < 2 | 0.26 | < 0.5 | 15 | 71 | 86 | 3.34 | < 10 | < 1 | 0.16 | 30 | 0.46 | 585 |
| 22N 04+00W | 203 205 | 85 | < 0.2 | 0.82 | 26 | 70 | < 0.5 | < 2 | 0.21 | < 0.5 | 15 | 78 | 37 | 3.63 | < 10 | < 1 | 0.14 | 30 | 0.29 | 595 |
| 22N 04+50W | 203 205 | 10 | < 0.2 | 1.02 | 24 | 90 | < 0.5 | < 2 | 0.31 | < 0.5 | 17 | 101 | 42 | 3.82 | < 10 | < 1 | 0.14 | 30 | 0.37 | 665 |
| 22N 05+00W | 203 205 | < 5 | 0.4 | 4.10 | 20 | 60 | < 0.5 | < 2 | 0.91 | < 0.5 | 25 | 77 | 60 | 4.56 | < 10 | < 1 | 0.13 | 10 | 0.63 | 465 |

CERTIFICATION:

Handwritten signature: Hartl Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: TROUP, ART

3605 CREERY AVE.
 WEST VANCOUVER, BC
 V7V 2M3

Project: GROUSE
 Comments: ATTN: A. TROUP

Form Number: 3-B
 Pages: 3
 Certificate Date: 30-JUL-95
 Invoice No.: 19522520
 P.O. Number:
 Account: MVJ

CERTIFICATE OF ANALYSIS A9522520

| SAMPLE | PREP CODE | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|------------|-----------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|
| 10W 27+00N | 203 205 | 1 | 0.01 | 21 | 910 | 18 | 2 | 3 | 7 | < 0.01 | < 10 | < 10 | 40 | < 10 | 180 |
| 10W 27+50N | 203 205 | 1 | 0.02 | 19 | 760 | 24 | 6 | 4 | 17 | < 0.01 | < 10 | < 10 | 50 | < 10 | 86 |
| 10W 28+00N | 203 205 | 1 | 0.01 | 33 | 900 | 46 | 4 | 2 | 8 | < 0.01 | < 10 | < 10 | 19 | < 10 | 102 |
| 10W 28+50N | 203 205 | < 1 | 0.01 | 23 | 720 | 12 | 4 | 6 | 15 | < 0.01 | < 10 | < 10 | 72 | < 10 | 68 |
| 22N 00+00W | 203 205 | 1 | 0.02 | 47 | 950 | 38 | 4 | 9 | 27 | 0.05 | < 10 | < 10 | 89 | < 10 | 108 |
| 22N 00+50W | 203 205 | < 1 | 0.01 | 32 | 450 | 36 | 2 | 3 | 10 | 0.03 | < 10 | < 10 | 30 | < 10 | 72 |
| 22N 01+00W | 203 205 | 1 | 0.02 | 38 | 520 | 30 | < 2 | 5 | 49 | 0.07 | < 10 | < 10 | 46 | < 10 | 78 |
| 22N 01+50W | 203 205 | < 1 | 0.02 | 35 | 440 | 40 | 2 | 6 | 66 | 0.07 | < 10 | < 10 | 43 | < 10 | 76 |
| 22N 02+00W | 203 205 | 1 | 0.02 | 51 | 510 | 46 | < 2 | 6 | 25 | 0.04 | < 10 | < 10 | 38 | < 10 | 108 |
| 22N 02+50W | 203 205 | 1 | 0.01 | 44 | 530 | 36 | < 2 | 6 | 18 | 0.02 | < 10 | < 10 | 34 | < 10 | 70 |
| 22N 03+00W | 203 205 | 1 | 0.02 | 28 | 1130 | 8 | 4 | 9 | 25 | 0.01 | < 10 | < 10 | 87 | < 10 | 96 |
| 22N 03+50W | 203 205 | 1 | 0.01 | 34 | 470 | 28 | < 2 | 4 | 19 | 0.03 | < 10 | < 10 | 36 | < 10 | 74 |
| 22N 04+00W | 203 205 | 1 | 0.01 | 36 | 460 | 50 | 2 | 2 | 16 | < 0.01 | < 10 | < 10 | 12 | < 10 | 68 |
| 22N 04+50W | 203 205 | < 1 | 0.01 | 39 | 510 | 62 | < 2 | 3 | 22 | 0.02 | < 10 | < 10 | 24 | < 10 | 78 |
| 22N 05+00W | 203 205 | 1 | 0.01 | 61 | 1100 | 38 | < 2 | 5 | 48 | < 0.01 | < 10 | < 10 | 16 | < 10 | 82 |

CERTIFICATION: *Art Troup*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: TROUP, ART

3605 CREEZY AVE.
 WEST VANCOUVER, BC
 V7V 2M3

Project: GROUSE
 Comments: ATTN: A. TROUP

Page Number : 1-A
 Total Pages : 1
 Certificate Date: 30-JUL-95
 Invoice No. : 19522521
 P.O. Number :
 Account : MVJ

CERTIFICATE OF ANALYSIS A9522521

| SAMPLE | PREP CODE | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|--------|-----------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|------|--------|
| RG-01 | 205 226 | < 5 | 0.6 | 0.38 | 2 | 30 | < 0.5 | < 2 | 0.19 | 0.5 | 6 | 280 | 12 | 2.77 | < 10 | < 1 | 0.09 | < 10 | 0.16 | 595 |
| RG-02 | 205 226 | < 5 | < 0.2 | 0.14 | 2 | 10 | < 0.5 | < 2 | >15.00 | < 0.5 | < 1 | 81 | 3 | 0.91 | < 10 | < 1 | 0.02 | 10 | 0.26 | 430 |
| RG-03 | 205 226 | < 5 | < 0.2 | 0.71 | < 2 | 50 | < 0.5 | < 2 | 7.92 | 0.5 | 13 | 121 | 18 | 4.63 | < 10 | < 1 | 0.03 | < 10 | 0.58 | 2190 |
| RG-04 | 205 226 | 90 | 59.4 | < 0.01 | 50 | < 10 | < 0.5 | 116 | 3.77 | 4.0 | 19 | 253 | 21 | 3.38 | < 10 | < 1 | < 0.01 | < 10 | 0.58 | 485 |
| RG-05 | 205 226 | 15 | 54.0 | < 0.01 | < 2 | 10 | < 0.5 | 140 | 14.70 | 5.0 | 10 | 35 | 7 | 9.20 | < 10 | 1 | 0.03 | < 10 | 1.80 | 1900 |
| RG-06 | 205 226 | 525 | 3.4 | 0.13 | 130 | 30 | < 0.5 | < 2 | 5.10 | 8.0 | 4 | 145 | 85 | 4.91 | < 10 | 1 | 0.10 | < 10 | 0.71 | 2440 |
| RG-07 | 205 226 | < 5 | 1.6 | < 0.01 | 2 | 20 | < 0.5 | 14 | 2.68 | < 0.5 | 3 | 172 | 4 | 2.08 | < 10 | < 1 | < 0.01 | < 10 | 0.07 | 1120 |
| RG-08 | 205 226 | 410 | 0.4 | 0.02 | 176 | 20 | < 0.5 | 2 | 0.11 | 0.5 | 14 | 126 | 24 | 6.74 | < 10 | < 1 | 0.05 | < 10 | 0.09 | 1545 |
| RG-09 | 205 226 | < 5 | 0.2 | 0.46 | 24 | 40 | < 0.5 | < 2 | 0.14 | 0.5 | 21 | 80 | 29 | 4.03 | < 10 | < 1 | 0.19 | 40 | 0.15 | 585 |
| RG-10 | 205 226 | 5 | 0.2 | 0.30 | 32 | 10 | < 0.5 | < 2 | 4.22 | 0.5 | 22 | 136 | 97 | 5.99 | < 10 | 1 | 0.03 | < 10 | 0.88 | 1290 |
| RG-11 | 205 226 | < 5 | 0.6 | 0.08 | 48 | 90 | < 0.5 | < 2 | 0.12 | 2.0 | 4 | 154 | 23 | 11.15 | < 10 | < 1 | 0.05 | < 10 | 0.13 | 5290 |
| RG-12 | 205 226 | < 5 | 0.2 | 0.43 | 16 | 90 | < 0.5 | < 2 | 0.10 | 0.5 | 6 | 211 | 14 | 2.95 | < 10 | < 1 | 0.25 | 20 | 0.06 | 2060 |

CERTIFICATION: *Hart Buchler*



Chemex Labs Ltd.

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 212 Brooksbank Ave., North Vancouver
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 PHONE: 604-984-0221 FAX: 604-984-0218

To: TROUP, ART

3605 CREERY AVE.
 WEST VANCOUVER, BC
 V7V 2M3

Project: GROUSE
 Comments: ATTN: A. TROUP

Page Number : 1-B
 Total Pages : 1
 Certificate Date: 30-JUL-95
 Invoice No. : 19522521
 P.O. Number :
 Account : MVJ

CERTIFICATE OF ANALYSIS

A9522521

| SAMPLE | PREP CODE | | Mo | Na | Ni | P | Pb | Sb | Sc | Sr | Ti | Tl | U | V | W | Zn |
|--------|-----------|-----|-----|--------|-----|------|--------|-----|-----|------|--------|------|------|-----|------|-----|
| | | | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| RG-01 | 205 | 226 | < 1 | 0.01 | 10 | 180 | 96 | 2 | 1 | 9 | < 0.01 | < 10 | < 10 | 5 | < 10 | 64 |
| RG-02 | 205 | 226 | < 1 | 0.01 | 1 | 90 | 16 | 2 | 1 | 1990 | < 0.01 | < 10 | < 10 | 3 | 10 | 18 |
| RG-03 | 205 | 226 | 1 | 0.02 | 4 | 740 | 12 | 4 | 11 | 333 | < 0.01 | < 10 | < 10 | 35 | 10 | 50 |
| RG-04 | 205 | 226 | < 1 | < 0.01 | 32 | 20 | >10000 | 4 | 3 | 99 | < 0.01 | < 10 | < 10 | 4 | 10 | 830 |
| RG-05 | 205 | 226 | < 1 | 0.01 | 27 | 1890 | 5640 | 8 | 3 | 148 | < 0.01 | < 10 | < 10 | 9 | 40 | 176 |
| RG-06 | 205 | 226 | < 1 | 0.01 | 8 | 70 | 1240 | 6 | 4 | 78 | < 0.01 | < 10 | < 10 | 4 | 10 | 650 |
| RG-07 | 205 | 226 | < 1 | < 0.01 | 10 | 40 | 154 | 2 | 1 | 14 | < 0.01 | < 10 | < 10 | 2 | < 10 | 46 |
| RG-08 | 205 | 226 | 1 | < 0.01 | 27 | 80 | 166 | 4 | 2 | 5 | < 0.01 | < 10 | < 10 | 3 | < 10 | 76 |
| RG-09 | 205 | 226 | < 1 | 0.01 | 32 | 400 | 36 | 2 | 2 | 12 | < 0.01 | < 10 | < 10 | 3 | < 10 | 88 |
| RG-10 | 205 | 226 | < 1 | 0.08 | 18 | 820 | 20 | 6 | 18 | 89 | < 0.01 | < 10 | < 10 | 26 | 10 | 88 |
| RG-11 | 205 | 226 | 1 | < 0.01 | 38 | 180 | 400 | 10 | 4 | 9 | < 0.01 | < 10 | < 10 | 5 | < 10 | 104 |
| RG-12 | 205 | 226 | 1 | 0.01 | 15 | 370 | 52 | 2 | 2 | 9 | < 0.01 | < 10 | < 10 | 8 | < 10 | 28 |

CERTIFICATION: Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: TROUP, ART

3605 CREERY AVE.
WEST VANCOUVER, BC
V7V 2M3

Project: GROUSE
Comments: CC: BUD HALEXON

Per Number : 1-A
Techniques : 1
Certificate Date: 15-AUG-95
Invoice No. : 19523828
P.O. Number :
Account : MVJ

CERTIFICATE OF ANALYSIS

A9523828

| SAMPLE | PREP CODE | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Hg ppm | K % | Mg % | Mn ppm | Mo ppm | Na % |
|----------|-----------|-----------------|--------|------|--------|--------|--------|--------|------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|------|
| GALENA 1 | 209 233 | 420 | >200 | 0.01 | 280 | 20 | < 5 | 830 | 0.04 | 120 | < 5 | 40 | 15 | 0.10 | < 10 | < 0.01 | < 0.01 | < 10 | < 5 | 0.03 |

*PAN CONCENTRATE
STATION: 10W, 1100N*

CERTIFICATION: Hart Becker



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: TROUP, ART

3605 CREERY AVE.
WEST VANCOUVER, BC
V7V 2M3

Project: GROUSE
Comments: CC: BUD HALEXON

Per Number : 1-B
Total Pages : 1
Certificate Date: 15-AUG-95
Invoice No. : 19523828
P.O. Number :
Account : MVJ

CERTIFICATE OF ANALYSIS

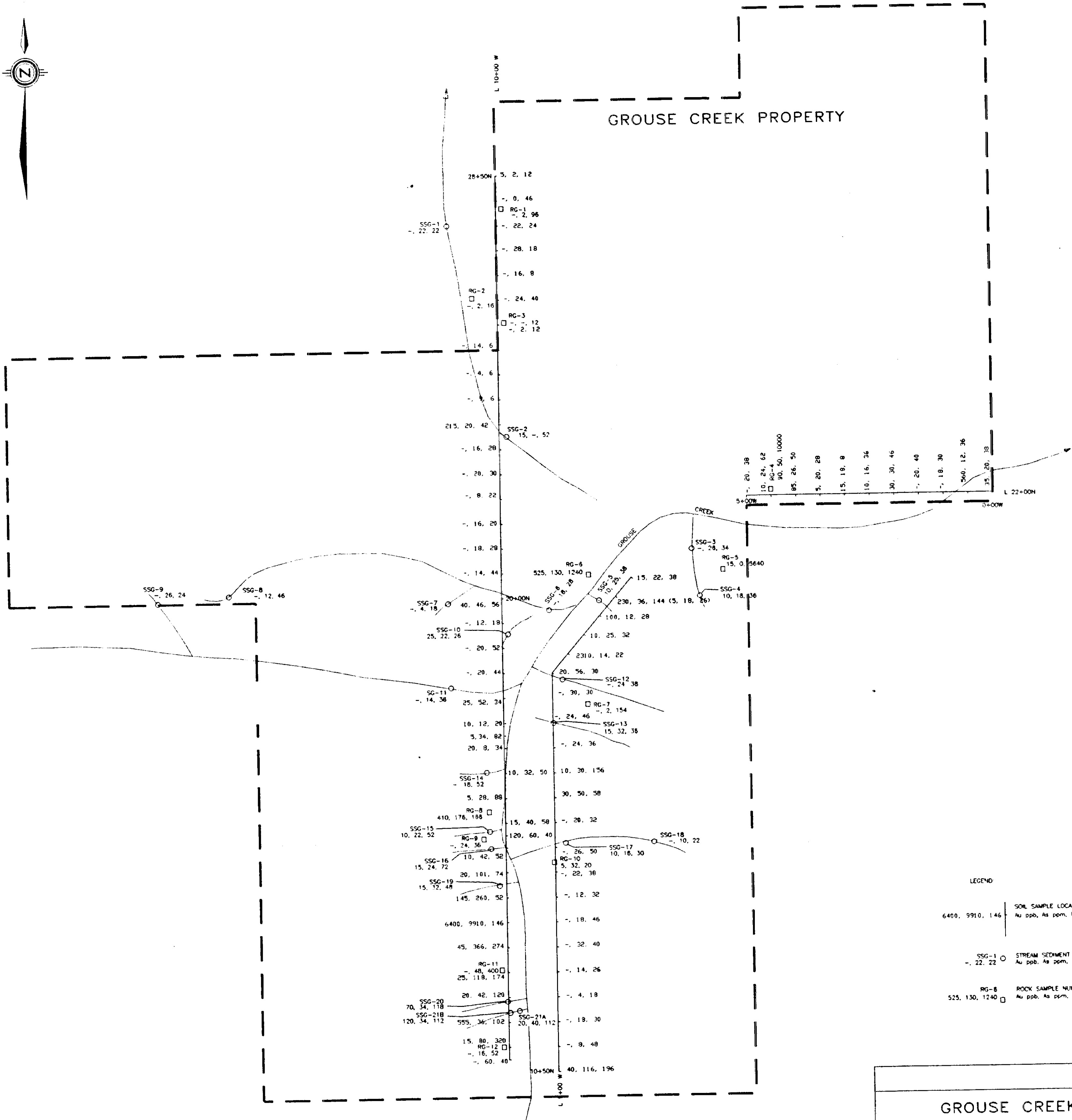
A9523828

| SAMPLE | PREP CODE | | Ni | P | Pb | Sb | Sc | Sr | Ti | Tl | U | V | W | Zn |
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| | | | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| GALENA 1 | 209 | 233 | 10 | < 100 | >50000 | 1260 | 2830 | 20 | < 0.01 | < 20 | < 20 | < 20 | < 20 | 45 |

CERTIFICATION: Hart Buchler



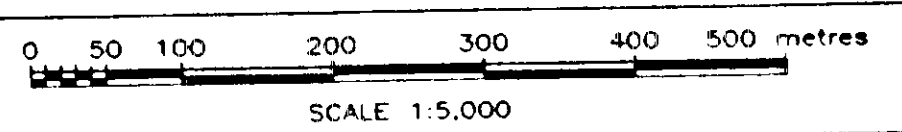
GROUSE CREEK PROPERTY



LEGEND

- 6400, 9910, 146 | SOIL SAMPLE LOCATION
Au ppb, As ppm, Pb ppb
- SSG-1 | STREAM SEDIMENT SAMPLE NUMBER
Au ppb, As ppm, Pb ppb
- RG-6 | ROCK SAMPLE NUMBER
Au ppb, As ppm, Pb ppb

GROUSE CREEK PROPERTY
GEOCHEMISTRY
SOIL, ROCK and STREAM SEDIMENT SAMPLING

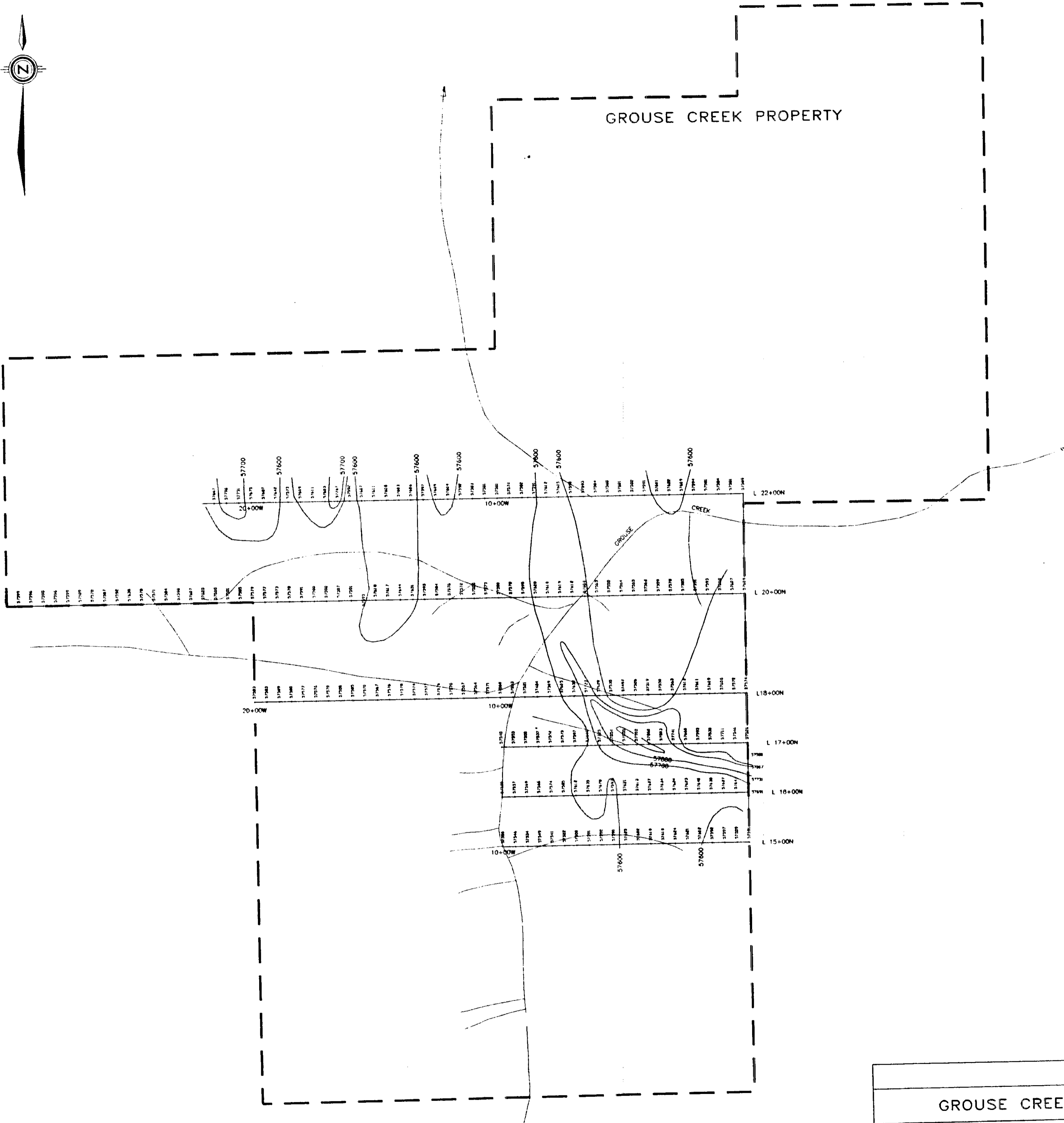


DATE: SEPT., 1995
BY: A.G.T./rwr

MAP No. 4



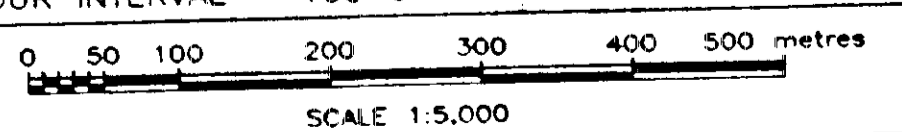
GROUPSE CREEK PROPERTY



GROUPSE CREEK PROPERTY

MAGNETOMETER SURVEY

CONTOUR INTERVAL = 100 GAMMAS



DATE: SEPT., 1995
BY: A.C.T./rwr

MAP No. 5