BAPTY RESEARCH LIMITED
606 Trail Street
Kimberley, B.C. V1A 2M2
Fax (604) 427-2006
Tel (604) 427-7631
Tel (604) 426-6277

GEOCHEMICAL SURVEY REPORT ON THE LAPOINTE CREEK PROPERTY

BOB AND ROSE MINERAL CLAIMS

FT. STEELE/SLOCAN MINING DIVISION

NTS 82F / 10E // 15E

49° 45'N Latitude
116° 37' W Longitude

PREPARED FOR OWNER AND OPERATOR

SOUTH KOOTENAY GOLDFIELDS INC.

PROFESSIONAL ENGINEER, PROVINCE OF BRITISH COLUMBIA, H. H. SHEAR

H. Shear, P.Eng.
Consulting Geologist

M. Bapty, P.Eng.
President

December 12, 1990

Copies - Greenstone Resources (4)
- Dragoon Resources (6)
- Assessment Reports (EMPR) (4)
- File (2)

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

1.00 SUMMARY OF WORK AND RECOMMENDATIONS

The Lapointe Creek property, consisting of the 12 unit Bob and 6 unit Rose claims, is located at Rose Pass 44 kilometers west of Kimberley and 24 kilometers east of Ainsworth in British Columbia. The property is located within the Kootenay Arc, a geologic sub-province which has seen numerous historic mineral producers. The claims cover an old silver-lead-zinc showing known as the Macrob prospect and selected samples from these workings have returned assay values up to 26.8 oz/ton silver, 13.1% lead and 7.2% zinc.

Work in 1990 has partially outlined a strong and continuous lead and zinc soil anomaly some 1300 meters long and up to 250 meters wide. Other smaller and discontinuous soil anomalies in lead and zinc occur within the surveyed area one of which coincides with the Macrob shaft area. The cause of the main large anomaly, which is still open on both ends, has not yet been determined.

A program of geologic mapping, expanded soil geochemistry, geophysics, backhoe trenching and diamond drilling will be required to properly evaluate the very favorable results obtained to date.

2.00 INTRODUCTION

2.10 Location and Access

The Bob and Rose mineral claims are located at Rose Pass, 44 kilometres west of Kimberley and 24 kilometres east of Ainsworth. The claims straddle the height of land which separates the Fort Steele and Slocan Mining Divisions (Figure 1).

The claims are geographically situated at Longitude 116° 37' W, Latitude 49° 45' N.

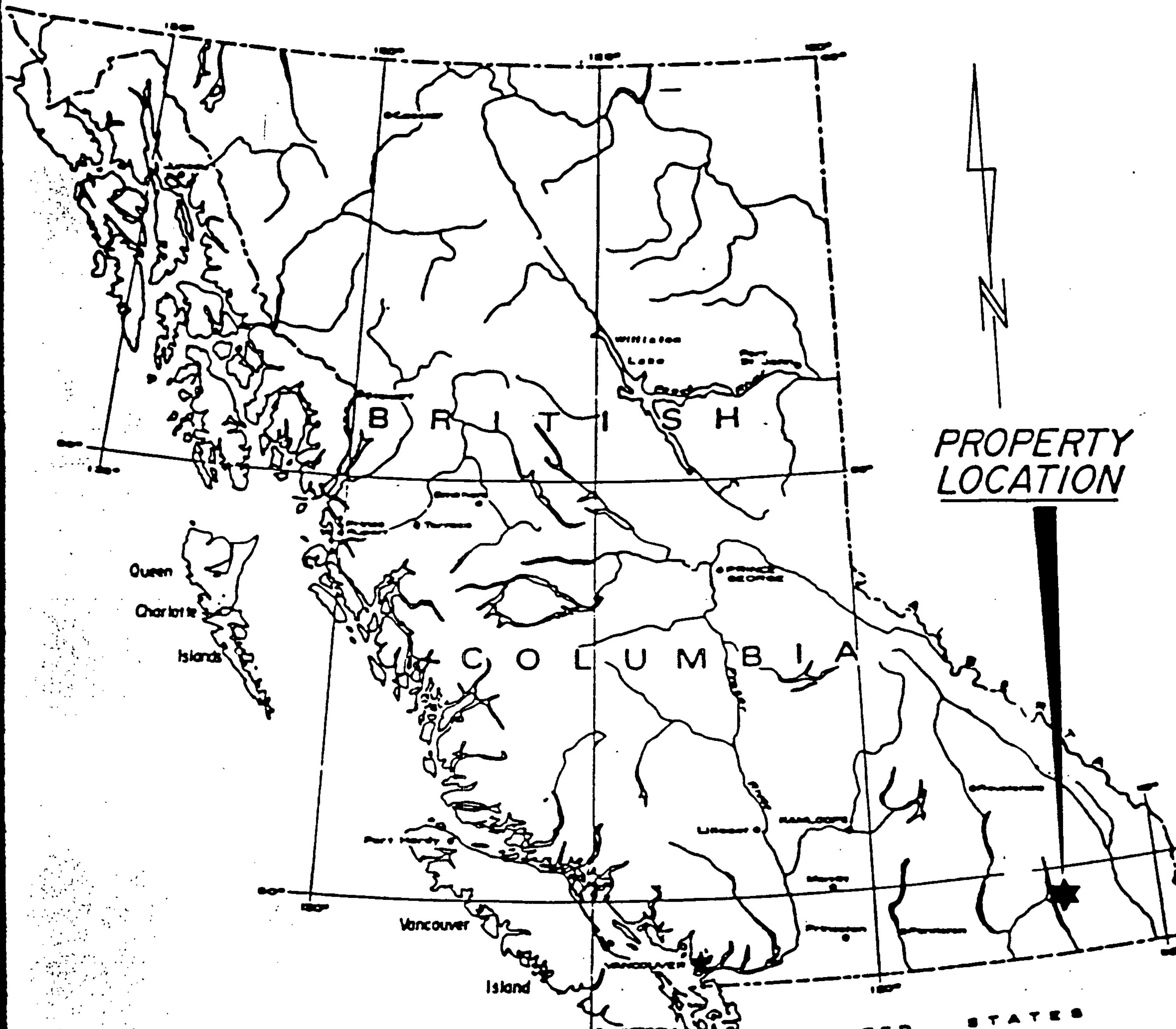
Access is by good gravel logging roads west from Kimberley or east from Crawford Bay on the east side of Kootenay Lake.

2.20 Physiography

The Rose Pass summit forms the divide for Kootenay Lake and Lake Koocanusa, both of which are part of the Kootenay River drainage.

The Bob and Rose mineral claims have alpine and subalpine terrain with forests of larch, pine, fir and cedar to 6500 feet (1981 m).

Rainfall and snowfall levels are above average with reported snowfall reaching 5.0 metres. The property is typically free of snow between May and October.



SCALE

100 0 100 400 km

0 200 miles

SOUTH KOOTENAY GOLDFIELDS INC.

LOCATION MAP

BOB & ROSE MINERAL CLAIMS

N.T.S. :82 F/10E//15E
SCALE:1:2,500,000
M.D. :Ft. Steele/Slocan
FIG. :1

2.30 Property

2.31 Geological Target

The Lapointe Creek property is located within the Kootenay Arc mineral province where silver-lead-zinc vein systems typically have grades of 300-900 gm/t silver, 4-8% lead, and 2-4% zinc (Sangster, 1984) and sizes up to one million tons. The nearest producer is Cominco's now dormant Bluebell operation, 17 kilometres west of the claims, which produced a total of 4.7 million tonnes of lead/zinc ore grading 14% combined metal.

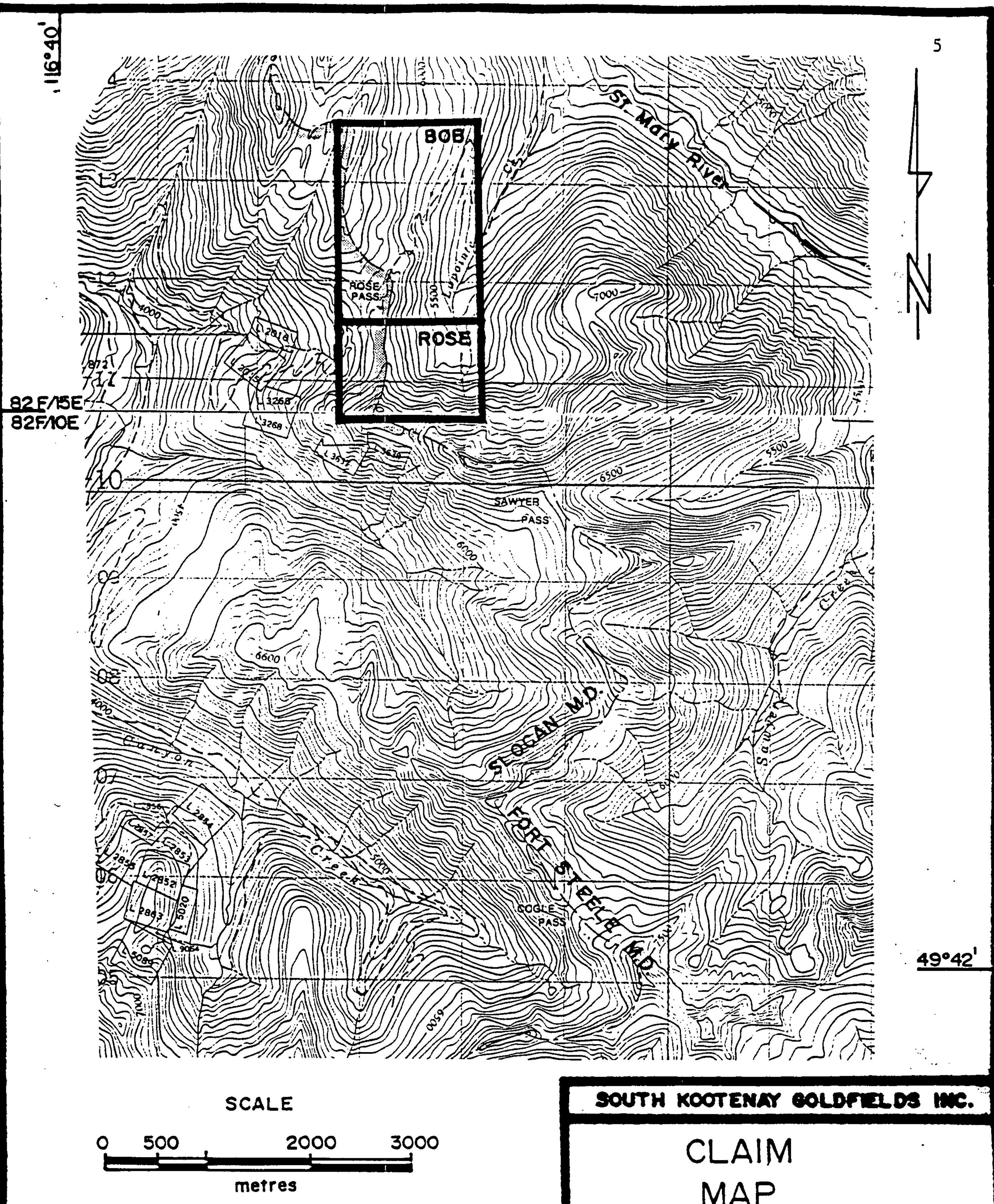
2.32 Claim Group and Status

The Bob and Rose mineral claims (Figure 2) were staked by C. Kennedy and S. Sanders in October, 1989 and were subsequently transferred to South Kootenay Goldfields Inc. Claim data is summarized as follows with the due date reflecting the work already filed and covered by this report:

CLAIM NAME	NO. UNITS	RECORD NO.	MINING DISTRICT	RECORD DATE	DUE DATE
Bob	12	3618	Ft. Steele	21/09/89	1992
Rose	6	6124	Slocan	25/09/89	1992

2.40 History

The West Kootenay region of British Columbia has a long mining history, with most of its production from the Kootenay Arc, an arcuate shaped structural zone which includes numerous former mineral producers and showings.



SOUTH KOOTENAY GOLDFIELDS INC.

CLAIM MAP

BOB & ROSE MINERAL CLAIMS

N.T.S. :82 F/10E//15E
SCALE:1:50,000
M.D. :Ft. Steele/Slocan
FIG. :2

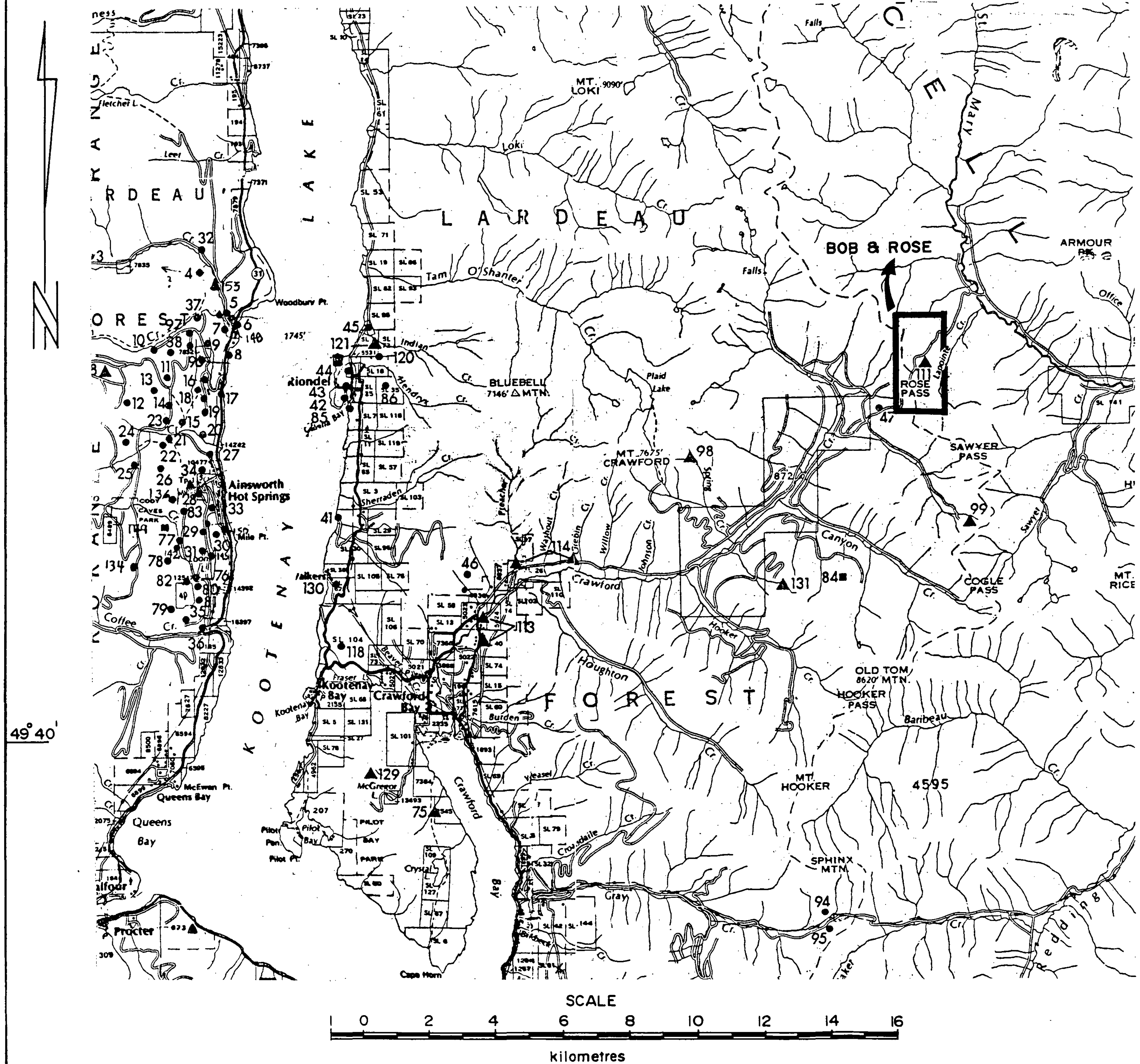
The north section of this arc includes the Ainsworth and Bluebell deposits.

Production in the Ainsworth camp between 1892 and 1964 involved some 50 properties totalling almost 700,000 tonnes. Mineralization typically consisted of native silver, argentiferous galena and sphalerite in fissure veins. Tin and fluorite are mentioned as accessory minerals (Schofield, 1920).

In 1890, the Bluebell limestone deposit was discovered on the east shore of Kootenay Lake across from Ainsworth Hot Springs. Argentiferous galena and sphalerite in fractured lower Cambrian Badshot - Mohican Formation was the target of extensive exploration and underground development by Cominco Ltd. This deposit yielded 4.7 million tonnes of 14% lead and zinc ore before closing in 1975 due to the high cost of pumping water from the workings.

East of Crawford Bay, lead-zinc veins similar to those at Ainsworth were the target of small scale operations in the Canyon Creek and Rose Pass areas.

Just northeast of Rose Pass on the Bob claim, a 0.3 m quartz vein is exposed in a small creek. Some 30 meters to the south, this vein was explored by the old Macrob Shaft. During 1989, South Kootenay Goldfields' personnel examined the vein showings and shaft dump, and completed limited geological mapping. The shaft is full of water and inaccessible. This work established that silver-galena-sphalerite mineralization occurs within a metamorphosed argillite immediately adjacent to a unit of rhyo-dacite crystal tuff.



NO. 82F/NE–	NAME	PRODUCT (S)
1	MELODY	Zn, Pb
2	TRUE BLUE	Cu
3	SILVER COIN	Ag, Pb, Zn
4	TOMMY, COLLEEN	Pb, Zn
5	VIGILANT	Pb, Zn, Ag
6	NAMELESS	Pb, Zn, Ag
7	AMAZON	Pb, Zn, Ag
8	NOAH	Pb, Zn, Ag
9	WAKEFIELD	Pb, Zn, Ag
10	SILVER GLANCE (TRIUMPH)	Pb, Zn, Ag, Au
11	SULLIVAN	Pb, Zn, Ag
12	CROWN	Ag, Pb
13	LET HER GO GALLAGER	Ag, Pb
14	BUCKEYE	Pb, Zn, Ag
15	HIGHLAND (JOSEPHINE, LIBBY)	Pb, Zn, Ag
16	KOOTENAY FLORENCE	Pb, Zn, Ag, Fl
17	EARLY BIRD	Pb, Zn, Ag, Fl
18	LAKESHORE	Pb, Zn, Ag
19	NICOLET	Pb, Zn, Ag
20	MANITOBA	Pb, Zn, Ag
21	NEW JERUSALEM	Pb, Zn, Ag
22	TIGER	Pb, Zn, Ag
23	AYESHA	Pb, Zn, Ag
24	SILVERHOARD, DELLIE	Ag, Pb, Zn Fl
25	NO. ONE	Ag, Pb
26	STAR	Pb, Zn, Ag
27	JEWEL	Pb, Zn, Ag
28	SPOKANE, TRINKET	Pb, Zn, Ag
29	BANKER	Pb, Zn, Ag
30	HIGHLANDER	Pb, Zn, Ag Fl
31	DICTATOR	Pb, Zn, Ag
32	SHARON	Ag
33	JACK POT	Pb, Zn, Ag
34	HECTOR, DANIRA	Pb, Zn, Ag
35	EDEN, CRESCENT	Pb, Zn, Ag
36	BELLE AIRE (HALGREN ?)	Pb, Zn, Ag
37	DAISY BELL	Pb, Zn, Ag
38	NORANDA	Pb, Zn, Ag
39	PANARAMA 3	Ag, Pb
40	PANARAMA 1 (PARKLAND)	Ag, Pb
41	BERENGERIA (RICHARD THE FIRST)	Pb, Zn, Ag
42	KOOTENAY CHIEF	Pb, Zn, Ag, Cu
43	BLUEBELL	Pb, Zn, Ag, Cu,Gy
44	COMFORT	Pb, Zn, Ag, Cu
45	TAM O'SHANTER	Pb, Zn, Ag
46	LES, ANN (NORM, DIXIE ?)	Pb
47	HUMBOLT (SAILOR BOY)	Pb, Zn, Cu, Sn
48	SKYLINE	Ag, Pb
49	LEVIATHAN	Fe
50	OTTO	Pb, Zn
51	GREAT DANE	Ag, Pb, Cu
52	SULLIVAN MINE	Ag, Pb, Zn, Fe
53	NORTH STAR	Pb, Zn, Ag
54	POLARIS (CONTOIR, FORS)	Pb, Zn
55	RICE (LONE EAGLE; QUARTZ MTN.)	Au, Ag, silica
56	ANDERSON (GOLDEN EGO)	Au, Ag, Pb
57	BIRDIE L	Pb, Ag
58	ROME, VALLEY (JAC)	Au, Pb
59	RUNNING WOLF	Au
60	LEADER (WELLINGTON; MASCOT, ECLIPSE)	Ag, Pb, Zn, Cu, W
61	WARHORSE (BOY SCOUT)	Pb, Zn, Cu, Ag, Au ?
62	DAN HOWE	Pb, Zn
63	DOMINION	Pb, Zn, W
64	WARREN (GOAT)	Pb, Cu, Zn
65	COPPER KING	Pb, Ag, Cu
66	HIGH PEAK	Cu
67	MYSTERY	Cu
68	BLUE PETER	Cu
69	FALLER (EVANGELINE, JAG)	Cu
70	WHITEFISH	Cu
71	EVANS (JAG; SAM, ZIP)	Cu, Pb
72	GOOD HOPE	Cu
73	MOLLY	W, Mo
74	---	Zn
75	COTTAGE	Marble
76	KRAO	Ag, Pb
77	UNITED	Ag, Pb
78	UNION	Ag, Pb
79	NEOSHO	Ag, Pb
80	CROW, FLEDGLING	Ag, Pb
81	FIREBRAND	Ag, Pb
82	GLENGARRY	Pb, Zn, Ag
83	NOBLE 3	Pb, Zn, Ag
84	SILVER HILL	Ag, Pb, Zn
85	SUTCLIFFE	Pb, Zn
86	HOTSHOT	Pb, Zn
87	GOLD LEDGE (PETTY ?)	Au, Ag, Pb
88	BULL DOG (KOLE ?)	Silica
89	PICO	W
90	VAL (CAS; SKO, CHUCK)	W, Sn
91	WELCOME, ENTERPRISE	Cu, Pb
92	SKO (PIMACO; CAS)	Sn, Wo
93	VULCAN	Pb, Zn
94	GRAY CREEK	Fe
95	GRAY CREEK	Fe
96	FERGUS (RFG)	Ag, Pb, Zn
97	TAMRAK, LAURIER	Ag, Pb, Zn
98	BAREFOOT	Ag, Pb, Zn
99	UNITED COPPER	Cu, Ag, Pb, Zn
100	BRACEBRIDGE (JOE, GOAT)	Cu
101	POLARIS	Cu
102	HILO 4	W, Cu, Ag, Pb, Zn
103	HILO 8	Pb
104	HILO 10	Zn, Cu, W
105	EEL	Mo
106	ALICE (AUGUSTINE ?)	Zn, Pb
107	MC	Pb, Zn, Cu
108	SNOW KING (PEG)	Pb, Zn
109	CHICAGO	Pb
110	HELLROARING CREEK (LINDA)	Beryl, Cd, Fe, Sn
111	ROSE PASS	Sn, Ag, Pb, Zn, Cu
112	GREENLAND (BURNT) CREEK	Beryl
113	CRAWFORD CR. DOLOMITE QUARRY	Dolomite
114	CRAWFORD CR. QUARTZITE QUARRY	Quartzite
115	PEGLEG	Mo
116	STEMWINDER	Ag, Pb, Zn
117	PERRY CREEK	Placer Au
118	MINERALDYKE	Ni, Cu, Pt, Pd
119	GOLD KING	Au, Cu
120	SUNSHINE – JACKPOT	Pb, Zn, Ag ?
121	KIRBY	Ag, Pb, Zn
122	BURNT	Cu
123	HOTSPRING 1	Hotspring
124	HOTSPRING 2	Hotspring
125	BEN DERBY	Mo
126	JAG 3	Fe
127	BISH	Mo
128	NOR	Ag, Pb, Zn
129	BROSTER	Pb, Zn, Ag
130	KOOTENAY	Pb, Zn
131	SANTA FE (VICTORIA)	Ag, Pb
132	NINE LAKE	Pb, Zn, Cu, W
133	GENERAL – GRANT	Pb, Zn, Ag, Cu
134	FOURTH	Ag, Pb
135	THE DEAN (ALL OVER)	Pb, Zn, Ag
136	BOUNTY	Zn
137	SERVANT	Cu

SOUTH KOOTENAY GOLDFIELDS INC.

REGIONAL

MINERAL OCCURENCE MAP

BOB & ROSE MINERAL CLAIMS

N.T.S. : 82 F/NE
SCALE: 1:125,000
M.D. : Ft. Steele/Slocan
FIG. : 3
DATE : Oct/89
DRAWN : B. K.

2.50 1990 Program

The 1990 Program was designed to geochemically prospect the area surrounding the old showings and workings at the Macrob shaft and consisted mainly of a geochemical soil sampling survey totaling 375 samples. There were 10.4 kilometers of lines established by flagging while the soil samples were being collected. Seven rock samples were collected and assayed and two of these are the subject of a petrographic study and report which is included in this report. There were two days of reconnaissance work completed on the property by consulting geologists. One day in July was spent by Peter Klewchuk to plan the soil sampling program and collect the rocks for the petrographic study. One day was spent on the property in October by the writer to assist in preparing the maps and text for this report. The program was done under the supervision of Michael Bapty, P.Eng. of Bapty Research Limited which was the consulting and contracting firm.

3.00 GEOLOGY

3.10 Regional Geology

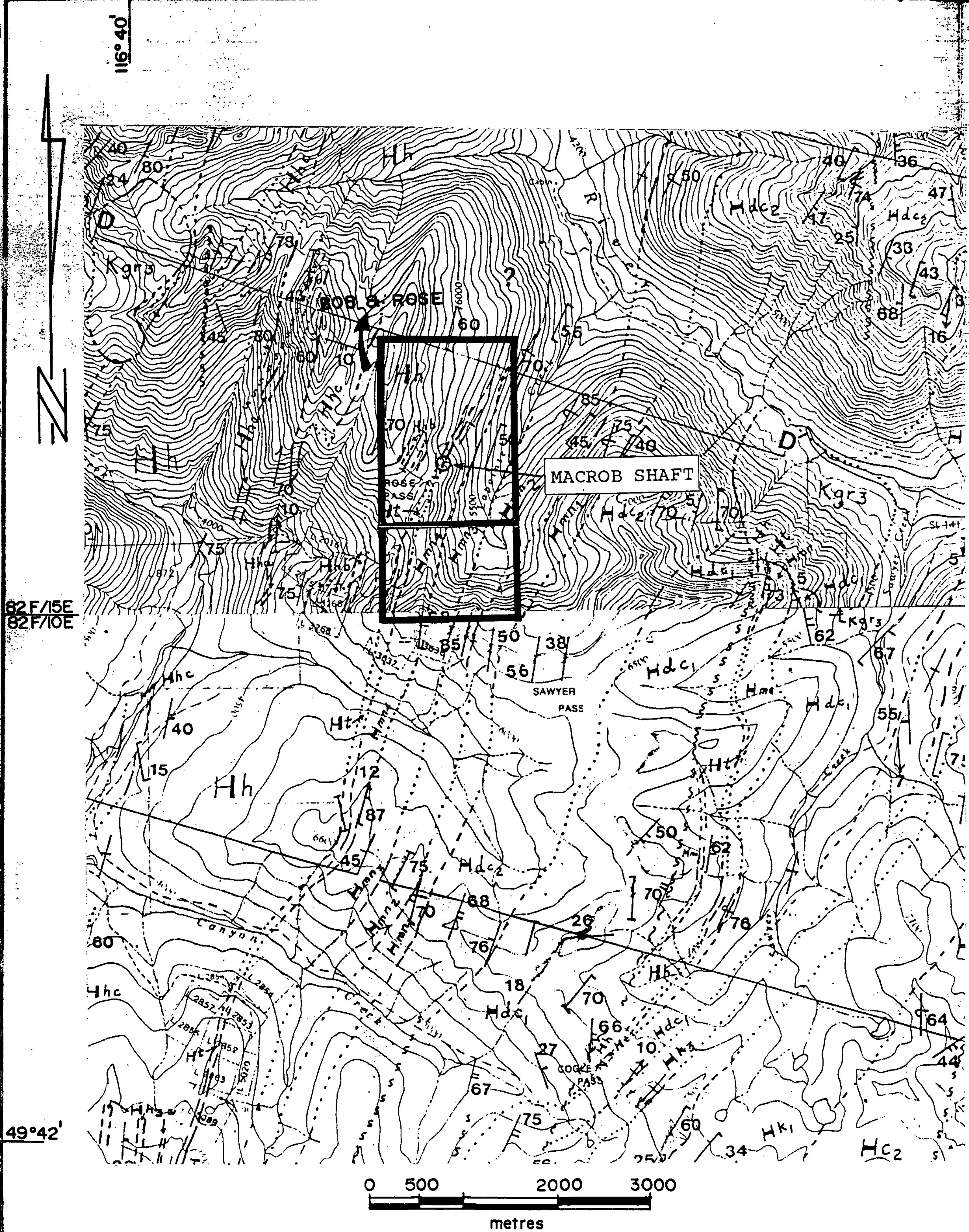
In the Crawford Bay - Rose Pass area, intensely deformed Precambrian metasedimentary clastic and carbonate rocks of the Dutch Creek, Mount Nelson, Toby and Horsethief Creek Formations form a linear northeast trending belt (Table 1).

Cretaceous quartz monzonites to diorites are in part responsible for the levels of deformation and metamorphism evident in the Rose Pass area. Foliation in the sediments follows batholith margins with metamorphic and deformational intensity increasing towards the batholith contacts. The contact zones are generally gneissic with included lineated fragments of metmorphosed sediments.

Numerous minor felsic and lamprophyric intrusions are prevalent throughout the region, typically in silicified structures which parallel foliation; their occurrence is commonly coincident with galena, sphalerite and tetrahedrite.

PRECAMBRIAN	
WINDERMERE	
☐	HORSETHIEF CREEK FORMATION Green, argillaceous quartzite; blue-gray limestone, arkose, pebble conglomerate
☐	TOBY FORMATION Conglomerate
UPPER PURCELL	
☐	MOUNT NELSON FORMATION Laminated argillite, magnesian limestone, quartzite
☐	DUTCH CREEK FORMATION Laminated argillite, magnesian limestone, quartzite
LOWER PURCELL	
☐	KITCHENER-SIYEH FORMATION Chiefly vari-coloured magnesian limestone and argillite; calcareous quartzite

Table 1 Formations & descriptive lithologies of the Rose Pass area



PLEISTOCENE AND RECENT

- Qd — Drift covered; till, alluvium, colluvium

EOCENE(?)

- Esy — Syenite, shonkinite

CRETACEOUS(?)

- K(?)hb — Hornblendite and diorite

CRETACEOUS

- Kgr
  - Discrete shear zones and strong foliation
  - Granite with accessory garnet
  - Granite with many inclusions of metasediments
  - Extensive pegmatite (and aplite)
  - Kgd — Biotite granodiorite
  - Kgr_4 — Biotite granite
  - Kgr_3 — Biotite leucogranite
  - Kgr_2 — Leucocratic granite with biotite and muscovite; Kgr_{2a} – foliated
  - Kgr_1 — Biotite granite with megacrysts of Potash Feldspar

JURASSIC(?)

- J?gr — Leucogranite sills and lenses (foliated and/or lineated)
- $J?gd_3$ — Biotite-hornblende granodiorite with megacrysts of potash feldspar

JURASSIC

- Jgd_2 — Biotite-hornblende (±epidote) granodiorite
- Jgd_1 — Epidote-biotite granodiorite

JURASSIC(?)

- Jub — Ultrabasic, serpentinized peridotite

CAMBRIAN TO MISSISSIPPIAN

LARDEAU GROUP (Pz)

- Pz — *INDEX FORMATION:* undivided
  - Pz_3 — Biotite-quartz-feldspar (± garnet) gneiss; amphibolite
  - Pz_2 — Marble with calc-silicate gneiss; amphibolite and schist layers; micaceous quartzite; Pz_{2a} -calcite marble
  - Pz_1 — Hornblende gneiss, amphibolite; cc-calcite marble; Pz_{1a} – biotite-muscovite schist and gneiss

CAMBRIAN

LOWER CAMBRIAN

- €bm — *BADSHOT-MOHICAN FORMATION:* calcite marble, dolomite; calcareous schist, quartzite

LOWER CAMBRIAN AND HADRYNIAN(?)

- €h — *HAMILL GROUP:* undivided
  - $€h_4$ — Dark quartzite; quartz-rich schist
  - $€h_3$ — White quartzite; q-white quartzite, but may not be $€h_3$
  - $€h_2$ — Muscovite-biotite-chlorite schist, quartzite, siltstone; $€h_{2a}$ – epidote-chlorite-amphibolite gneiss (greenstone?); $€h_{2b}$ – marble
  - $€h_{1b}$, $€h_{1a}$ — Massive white quartzite; micaceous quartzite; Pebbly and feldspathic quartzite; $€h_{1c}$ – pebble and cobble conglomerate; $€h_{1d}$ – calcitic and dolomitic marble.

HADRYNIAN

WINDERMERE SUPERGROUP (Hh, Ht)

- Hh — *HORSETHIEF CREEK GROUP:* Hhc – Grey marble; Hhb – Pebble conglomerate; Hha – Cobble conglomerate
  - Hh_7 — Quartzite; Hh_{7a} – cobble conglomerate
  - Hh_6 — Phyllite; Hh_{6a} – cobble conglomerate
  - Hh_5 — Grey limestone and marble
  - Hh_4 — Phyllite; Hh_{4a} – cobble conglomerate
  - Hh_3 — Phyllite, grit and quartzite; Hh_{3a} – pebble conglomerate
  - Hh_2 — White quartzite
  - Hh_1 — Phyllite
- Ht — *TOBY FORMATION:* polymict conglomerate, conglomeratic dolomite, conglomeratic pelite

HELIKIAN

- Hgr — Granite, pegmatite

PURCELL SUPERGROUP (Hmn to Ha)

- Hmn — *MOUNT NELSON FORMATION:* undivided
  - Hmn_4 — Dolomite, white or dark grey, buff or brown weathering
  - Hmn_3 — Black argillite and argillaceous grey siltstone, thin-bedded
  - Hmn_2 — Dolomite, dolomitic siltstone, argillite
  - Hmn_1 — white or green, thick-bedded quartzite
- Hdc — *DUTCH CREEK FORMATION:* undivided
  - Hdc_2 — UPPER: siltstone, argillite, quartzite; 2a-carbonate bearing beds and dolomite
  - Hdc_1 — LOWER: black argillite and argillaceous grey siltstone, thinly interbedded; 1a-thin successions of dolomite and/or white quartzite
- Hm — *MOYIE INTRUSIONS:* meta-diorite, meta-quartz diorite
- Hk — *KITCHENER FORMATION:* undivided
  - Hk_3 — Red weathering dolomite, black argillite, quartzite
  - Hk_2 — Black argillite, grey siltstone, tan siltstone all thinly interbedded; rare carbonate bearing horizons
  - Hk_1 — Dolomitic siltstone, dolomite, green argillite, black argillite; b-black argillite; buff dolomite and dolomitic siltstone, white siltstone; a-green argillite, buff dolomitic siltstone, dolomite
- Hc — *CRESTON FORMATION:* undivided
  - Hc_3 — UPPER CRESTON: deep green siltstone, light and dark, thinly laminated argillite and siltstone; purple argillite.
  - Hc_2 — MIDDLE CRESTON: grey, blocky siltstone and very fine quartzite in beds to 30 cm or more, commonly ripple marked, and commonly purple lined or mottled; black to deep purple argillite and thin-bedded siltstone; white, medium-grained quartzite commonly associated with purple mud-chip breccias.
  - Hc_1 — LOWER CRESTON: thin-bedded dark argillite and grey siltstone characterized by irregular pinching and swelling beds, ripple cross-lamination, mud-cracks, minor cut and fill features; green siltstone with thin interbeds of argillite.
- Ha — *ALDRIDGE FORMATION:* undivided
  - Ha_3 — UPPER ALDRIDGE: rusty weathering, black argillite and silty argillite, fine, regular, white laminae of siltstone.
  - Ha_2 — MIDDLE ALDRIDGE: light grey weathering, grey quartzite and siltstone in beds 10 to 70 cm; interbeds of dark argillite and thin bedded alternating black argillite and grey siltstone.
  - Ha_1 — LOWER ALDRIDGE: rusty weathering, laminated or cross-bedded quartzite, argillite and silty argillite.

Geological boundary (defined, approximate, assumed)
Bedding, tops known (horizontal, inclined, vertical, overturned)
Bedding, tops unknown (inclined)
Cleavage (inclined, vertical)
Schistosity (inclined, vertical)
Mineral lineation
Fault (defined, approximate, assumed)
Thrust fault (defined, approximate, assumed)
Small folds (axial plane, inclined, vertical, plunge of axis)
Anticline, Syncline (Trace of axial surface)
Antiform, Synform (Trace of axial surface)
Overturned Anticline, Syncline (Trace of axial surface)
Overturned Antiform, Synform (Trace of axial surface)

SOUTH KOOTENAY GOLDFIELDS INC.

REGIONAL GEOLOGY

BOB & ROSE MINERAL CLAIMS

N.T.S. : 82 F/10E //15E
SCALE: 1:50,000
M.D. : Ft. Steele /Slocan
DATE : Oct/89
FIG. : 4
DRAWN : B.K.

3.20 Property Geology

The Bob and Rose claims straddle the geological boundary between the Mount Nelson Formation and the Horsethief Creek Group (See Table 1, p.10). The contact trends NNE through the property as shown in Figure 4. The property has not yet been geologically mapped but some outcrop has been noted on Figure 5.

An outcrop of flat lying phyllite belonging to the Horsethief Creek Group occurs at 4+00S, 0+60W where an old side hill cut has exposed a conformable 15 cm quartz vein carrying sphalerite. There are prominent outcrops of black argillite belonging to the Mount Nelson Formation which form very steep bluffs trending N25°E along the entire 1400 m length of the grid, and lying east or down slope from the baseline. Bedding in the argillite is variable from N20°-40°E. The dip varies steeply to both the northwest and southeast. Locally the argillite contains up to 2-3% disseminated pyrite giving it a gossanous appearance on weathered surfaces. One outcrop of white dolomite was noted at 3+10S, 1+80E, presumably interbedded with the argillite unit.

A unit of rhyo-dacite crystal tuff occurs near the Macrob shaft and may be related to sulphide mineralization seen at the site. It weathers a chalky white color, is weakly calcareous and contains 2 mm diameter quartz eyes, specular hematite and spots of limonite and manganese stain. A thin section of this rock type is described by the Vancouver Petrographics Ltd. report in the Appendix, Sample No. 52757.

3.30 Mineralization

The main known showing on the property is located at the Macrob Shaft which is situated at 1+20N, 0+45E on the grid (See Figure 5). The vein is exposed in a small creek about 30 meters on strike N24°E from the shaft. The shaft is full of water and an old sloughed-in hand trench trends from the shaft to the creek showing. Highgrade lead-zinc mineralization in quartz on the dump attests to the vein's presence in the shaft.

The vein in the creek bottom is up to 0.3 meters wide and occurs just within argillite adjacent to the felsic tuff described above. Mineralization there and from the Macrob shaft dump consists of sphalerite, galena and pyrite with minor arsenopyrite and chalcopyrite. Gangue minerals are mainly quartz with minor sericite. The Vancouver Petrographics Ltd. report in the Appendix provides a detailed description of the minerals and alteration in sample No. 52756 from the shaft dump. Selected samples from 1989 sampling returned assays up to 26.85 oz/ton silver, 13.11% lead, and 7.18% zinc. Traces of bismuth, tin, tungsten and cadmium were also found to be present. The galena occurs along vein fractures and in fracture fillings up to 1 cm thick. Disseminated to massive sphalerite is concentrated in the vein at the hangingwall contact.

The geologic contact between the rhyo-dacite crystal tuff and the argillite may be an important control to mineralized vein systems.

4.00 1990 GEOCHEMICAL SURVEY

The 1990 program consisted of a soil sample survey over a 600 x 1400 meter grid centered near the Macrob shaft. The baseline had a bearing of N25°E, parallel to the bedding and formational contacts. Silver, lead and zinc mineralization occurs at the Macrob shaft and the program was designed to explore for parallel and on strike ore deposits.

Soil sampling was conducted on lines 100 meters apart and at stations every 25 meters along the lines. Samples were collected from approximately 15-20 cm deep where possible with the object being to collect below the grass roots. Due to poor soil development the C soil horizon was normally sampled. Sampling was done on September 12-14, 1990, by qualified soil samplers, Stephen Sanders and Gerard Roy.

The samples were placed in paper soil envelopes and delivered to Acme Analytical Laboratories Ltd. of 852 Hastings St., Vancouver, B.C. The 375 samples were analyzed by ICP for 30 elements. Geochemical analysis for gold was done by fire assay preconcentration followed by an atomic absorption (AA) determination on 308 samples. Gold analysis on the other 67 samples were done by acid extraction followed by AA. The samples were dried at 60°C and sieved to -80 mesh. A 0.5 gram sample was digested in hot dilute aqua regia in a boiling water bath and diluted to 10 ml with demineralized water. Then 30 elements are determined by inductively coupled argon plasma (ICP). With acid extraction of gold a 10.0 gram sample is ignited overnight at 600°C and then digested with 30 mls of hot dilute aqua regia. A 75 mls portion of clear solution obtained is extracted with 5 mls of methyl isobutyl ketone (MIBK). Gold is determined in the MIBK extract by AA using background correction to a detection limit of 1 ppb.

In the other gold determination a 10 gram sample is subjected to fire assay preconcentration technique to produce a silver bead. The silver bead is dissolved and gold is determined in the solution by graphite furnace AA to a detection limit of 1 ppb. All results are included in the Appendix of this report.

4.10 Zinc

The most extensively anomalous element of the survey is zinc. This metal forms a continuous moderate anomaly for 1300 meters through the eastern part of the grid for its entire length, except for the last line north (L600N). Results are shown on Figure 6 and the anomaly has been contoured at 100 and 200 ppm. This anomaly is open at both ends, running off the grid to the south at L800S and off the east edge of the grid at lines 400N and 500N. Values above 200 ppm form a more or less continuous anomaly along its entire length and contouring at the 100 ppm level results in widths up to 250 meters. Seven stations returned results higher than 400 ppm and these are fairly well distributed along the anomaly. There appears to be a spatial relationship between the zinc soil anomaly and the prominent steep sloping outcrops of black argillite trending along the eastern side of the grid. The cause of this main anomaly has not been determined, however a narrow +100 ppm contour spur splits off the anomaly at L100N, 0+50E, trends through the Macrob shaft showing and parallels the north part of the main anomaly for 400 meters.

4.20 Lead

A lead soil anomaly, as defined by the 50 ppm contour, coincides generally with the 100 ppm contour of the zinc soil anomaly but is generally weaker in the north half of the anomalous zone (See Figure 7). The southern 700 meter portion of the lead anomaly exceeds 100 ppm and the southern 200 meters is sharply defined and exceeds 200 ppm. This lead anomaly generally lies over the southeastern and downslope half of the zinc anomaly. Several isolated 50 ppm contours lie along the upper portion of the zinc anomaly.

A trend of parallel but erratic values as defined by the 50 ppm contours lies just northwest of the main anomaly. This trend coincides with the spur of the zinc anomaly which passes through the area of the Macrob Shaft showings, but appears to discontinuously trend through the whole grid. The lead anomaly is open to the south at L800S and trends weakly off the northeast edge of the grid at lines 400N and 500N. Since lead is less mobile than zinc the strong values at the south end of the grid may indicate the area of greatest potential. The head of Lapointe Creek Valley, centered about 1,000 meters to the southeast, is an old cirque with the dead glaciers direction down the Lapointe Creek Valley to the north-northeast, parallel to the anomalies. The weakening values in lead to the north-northeast may be due to glacial dispersion.

4.30 Other Elements

Low but anomalous values in cadmium as defined by +1 ppm coincide with the southern half of the main lead anomaly. Two erratic spots of anomalous arsenic values from plus 40 ppm up to a high of 136 ppm occur at L500S, 1+00W and L100S-L200S, 0+50W. These lie along the trend of discontinuous low lead anomalies just west of the main lead and zinc anomalies. There were a few erratic one station highs in other metals but no other anomalous trends were disclosed by the survey.

4.40 Rock Samples

Seven rock samples were taken in July, two of which were sent for petrographic study. The two petrographic samples were discussed under Property Geology and a report from Vancouver Petrographics Ltd. with a complete description is in the Appendix. The remaining five were character samples taken from the Macrob Shaft dump, checking for any unusual elements and high precious metals. Some minor anomalous silver, lead and zinc values were returned as expected but nothing of interest was disclosed by the assay results. Complete assay results are in the Appendix on these samples, B52751-5.

5.00 CONCLUSIONS

Coincident zinc and lead soil geochemical anomalies have been disclosed by a 375 soil sample survey over a 600 x 1400 meter grid which surrounds the old Macrob Shaft and vein showings. The Macrob Shaft lies outside to the northwest and uphill from the main anomalies, but coincides with a narrow low order anomalous trend which parallels the main anomalies.

The main anomalies coincide with extensive and prominent outcrops of black argillite belonging to the Mount Nelson Formation which may be the source of the metals. These anomalies have been defined for 1300 meters and trend off the grid along both strike directions, approximately N25°E. The northeast ends of the anomalies are weakening and may reflect glacial dispersion. The southwest ends of the main anomalies are getting stronger. Further exploration is warranted to trace the anomalies beyond the present grid and determine their source.

6.00 STATEMENT OF COSTS

			$
Labour:	Soil Sample Collection Stephen Sanders - Rate at $17.00/hr. Gerard Roy - Rate at $225/day September 12-14, 1990: Cost includes overtime amounting to one extra day for both men plus Employers payroll carrying costs plus general overhead (8 effective Man days)		2,152.50
Transportation:	3 days x $50/day		150.00
Assaying:	308 x $10.10 per	3,110.80	
	67 x $ 8.60 per	576.20	
	5 (rock) x $10.75 per	53.75	
	Freight	55.65	
			3,742.65
Consultants:			
	Peter Klewchuck - July 26, 1990 Sampling and Program design	300.00	
	Vancouver Petrographics Ltd. August 1990 Report	197.50	
	H.H. Shear - October 10, 1990 Property Examination, Map Physical Features. Data Review - October and December - 1 day 2 days x $300/day	600.00	
	M. Bapty - September and October, 1990 3 hr. supervision x $70/hr	210.00	
			1,307.50
Report -	Map and Text H.H. Shear - Dec. 10 and 11,1990 2 days x $300/day		600.00
TOTAL PROGRAM			**$7,952.65**

8.00 QUALIFICATION STATEMENTS

8.10 Consulting Geologist and Author's Qualification

I, Henry Herbert Shear, of 325 S. Copper Street, Greenwood, British Columbia, do hereby certify:

1. That I am a graduate of the University of Arizona with B.Sc. degrees in Geological Engineering (1959) and Mining Engineering (1960).

2. That I have been actively pursuing my profession as an exploration geologist for the past 30 years, starting as a field geologist and advancing through to the senior geologist, project manager and consulting level.

3. I am a member of the Association of Professional Engineers of British Columbia.

4. I examined the Lapointe Creek Property on October 10, 1990, and made a thorough review of all data prior to writing this report.

Dated at Cranbrook, British Columbia, this 12th day of December, 1990.

H.H. Shear, P.Eng.

8.20 Engineer and Program Supervisor's Qualification

I, Michael Bruce Bapty, of the City of Kimberley, in the Province of British Columbia, hereby certify that:

1. I am a Consulting Mining Engineer and Contractor at 901-Industrial Road #2, Cranbrook, B.C.,

2. I am a graduate of the University of British Columbia with a BASc in Mineral Engineering, and have been active in mine exploration, development, operations and administration for twenty-two years,

3. I am a Member of the Association of Professional Engineers of British Columbia,

4. This report is based upon property fieldwork conducted by our staff and consultants, under my supervision, from the period July, 1990 to October, 1990,

5. I have an indirect interest in this property through a senior consultant's (employee) stock option to acquire 45,000 shares in Dragoon Resources Ltd., and further, that my company, Bapty Research Limited directly owns 40,000 shares of Dragoon Resources Ltd. Dragoon is a 50% owner and Managing Partner of South Kootenay Goldfields Inc. which has staked the property.

   I do not expect my interests to change as a result of submitting this report.

6. I authorize Dragoon Resources Ltd. or Greenstone Resources Ltd. to use this report in a Statement of Material Facts, or as supporting documentation as may be required by any Securities Exchange, Financial Institution, or Superintendent of Brokers.

Dated at Cranbrook, British Columbia, this 12th day of December, 1990.

M. Bapty, P.Eng.

APPENDIX I

Bibliography

BIBLIOGRAPHY

Fyles, J.T.
1967: Geology of the Ainsworth-Kaslo Area, British Columbia, B.C. Department of Mines Bulletin No. 53.

Kiesman, W.
1990: A Summary of Work and Recommendations on Lapointe Creek Property, Bapty Research Ltd. Report.

Rice, H.M.A.
1944: Geology and Mineral Deposits at Ainsworth, B.C., G.S.C. Paper 44-13.

Sangster, D.
1984: Canadian Mineral Deposit Types: A Geological Synopsis, Economic Geology Section Report #36, Eckstrand, O.R., ed.

Schofield, S.J.
1920: Ainsworth Mining Camp, G.S.C. Mem. 177.

APPENDIX II

Petrographic Report by Vancouver Petrographics Ltd.

Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph.D. Geologist
CRAIG LEITCH, Ph.D. Geologist
JEFF HARRIS, Ph.D. Geologist
KEN E. NORTHCOTE, Ph.D. Geologist

P.O. BOX 39
8080 GLOVER ROAD,
FORT LANGLEY, B.C.
V0X 1J0
PHONE (604) 888-1323
FAX. (604) 888-3642

Mike Bapty
Bapty Research
901 Industrial Road
Cranbrook B.C. V1A 4C9
(604) 426-6277

August 23, 1990
Our file #40

Dear Mike,

Re: Samples #52756 and 52757

Petrographic descriptions have been completed on Samples #52756 and 52757. (Received August 21, Completed August 22). The petrographic reports are attached.

Two unidentified (traces) metallic grains associated with chalcopyrite and galena require SEM analyses for positive identification. I suspect pyrrhotite (too brown in colour) and cubanite (birefringent lamillae). It would be of interest to know what trace elements are anomalous in ICP analyses. If you wish SEM analyses please return the polished thin section, attention KEN.

Yours very truly,

Ken N.

K.E. Northcote Ph.D., P.Eng. (604) 796-2068

Sample #52756 (Polished thin section)

Sphalerite, galena, lesser pyrite in quartz gangue.

General description

Irregular fracture controlled infilling partial replacement of quartz (sericite) gangue. Gangue is predominantly weakly crushed quartz with minor sericite partings. Very minor to traces biotite with associated feldspar(?).

Opaques include sphalerite, galena, pyrite, arsenopyrite, chalcopyrite, cubanite(?) and unidentified brown (pyrrhotite?).

Transmitted light
Gangue; 55% (in section)

Quartz; >45%, anhedral, (to >3.0 mm), irregular interlocking crystals. Strained mottled extinction. Replaced by and containing fracture controlled galena and sphalerite.

Sericite; 5%, anhedral, (<.01 to >0.1 mm), felted to weakly foliated irregular masses.

Sphene; trace, anhedral, (0.2 mm), subhedral. Imbedded in galena.

Biotite; <1%, anhedral, (<.01 to >0.1 mm), irregular felted clusters associated with galena, feldspar (?) and in felted/foliated partings associated with sericite.

Feldspar/plagioclase; <<1%, anhedral, (<0.1 mm) associated with metallics.

Undetermined "A"; <1%, anhedral, (<.05 to 0.2 mm), clusters of grains associated with metallics. Biaxial (+) with 2V about 50 degrees or less. Moderate (+) relief. Low birefringence (first order yellow).

Undetermined "B"; trace, anhedral, (0.2 mm), low relief, very high birefringence.

Reflected light

Pyrite; 10%, euhedral/anhedral (<.01 to several mm). As single crystal, clusters of crystal and grains and larger granular masses.

Arsenopyrite; 5%, euhedral/anhedral, (<.01 to 0.5 mm) as euhedral grains. As euhedral crystals in galena. Close association with pyrite.

Galena; >10%, anhedral (<.01 to several mm). Generally large irregular masses enclosing sphalerite, chalcopyrite, arsenopyrite. Cutting pyrite.

Sample #52756 Continued

Sphalerite; >15%, anhedral, (<.01 to >1.0 cm). Irregular grains, masses. Contains blebs of chalcopyrite, galena and irregular partially replaced(?) masses of galena.

Chalcopyrite; <1%, anhedral, (<.01 to 0.3 mm)

(a) Blebs in sphalerite, localized in specific grains/masses. Crystallographic controls.

(b) Blebs in galena, very local, associated with chalcopyrite-bearing sphalerite.

(c) Free grains in gangue

(d) Blebs in pyrite

Undetermined ? metallic [1]; pyrrhotite(?) (traces), anhedral, (<.01 to .04 mm) Pale brown blebs in pyrite, associated with galena, chalcopyrite. Cut by pale pinkish cream laths (cubanite?). Pleochroic pale brown/darker brown. Intense anisotropism. [Too deep a brown colour for pyrrhotite]

Undetermined ? metallic [2]; cubanite(?) (traces), anhedral, (<.01 mm). Minute pinkish cream laths in undetermined metallic [1] cutting across boundary into chalcopyrite. Not obviously pleochroic. Strong anisotropic.

Suggested paragenesis

Pyrite

Sphalerite

Chalcopyrite

Arsenopyrite

Galena

Unidentified metallic 1

Unidentified metallic 2

Sample #52757

Rhyo-dacite crystal tuff

General description

Weakly layered. Consists of two sizes, coarse and fine, feldspar and quartz crystal fragments in a very fine (tuffaceous) matrix with weak to moderate sericitic altered plagioclase and lesser quartz.

Stained slab indicates no K-feldspar but remnant twinning indicates Na-rich plagioclase.

Microscopic description

Coarse crystal fragments

Plagioclase; 10%, euhedral/subhedral, (0.3 to 2.0 mm), many grains fragmental. Weak radiating sericite alteration and microgranular alteration dusting. Remnant twinning indicates composition in albite range. Also shows mottled twinning pattern but no K-feldspar indicated by stained slab.

Quartz; 10%, anhedral/subhedral, (0.3 to >1.5 mm), many grains rounded (resorption), unstrained to weakly strained.

Lithic fragments; <5%, felted feldspathic grains, generally (<1.0 mm).

Fine crystal fragments

Plagioclase; 15%, anhedral, (.05 to 0.3 mm), generally <0.1 mm), fragmental weak preferred orientation producing subtle layering.

Quartz; <10%, anhedral, (.05 to 0.3 mm, generally <0.1 mm), fragmental. Even disseminated throughout matrix.

Groundmass

Plagioclase; 30%, anhedral, (<.05 mm), tuffaceous. Associated with felted sericite.

Quartz; 10%, anhedral (<.05 mm), tuffaceous. Clearly visible as unetched grains in the etched feldspathic tuffaceous groundmass in the stained slab.

Sample #52757 Continued

Alteration

Sericite; 10%, anhedral(<0.1 to 0.1 mm),

(a) Groundmass: Very fine blades (generally <.03 mm), felted/weakly foliated. Clusters of grains as discontinuous foliated partings. Masked by iron staining. Few scattered coarser grains (to 0.1 mm).

(b) Clusters of bladed grains (to 0.1 mm) in plagioclase fragments.

Opaques; <1%, anhedral,, (.01 to 0.5 mm), single grains, clusters of grains.

Leached pits associated with hematite and iron staining.

APPENDIX III

Geochemical Analyses Certificates

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited File # 90-2957 LAPOINTE
901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
B 52751	3	67	1458	1318	3.6	16	3	179	1.26	12	5	ND	2	6	9.4	2	4	1	.22	.007	3	8	.04	11	.01	2	.10	.01	.05	1
B 52752	3	72	806	207	2.7	15	5	140	2.57	4	5	ND	7	3	.8	2	5	3	.02	.009	22	4	.02	48	.01	6	.34	.01	.19	1
B 52753	3	40	1534	9	12.9	15	1	54	.40	3	5	ND	2	1	.2	3	18	2	.02	.002	11	15	.01	42	.01	2	.19	.01	.10	1
B 52754	2	26	25	40	.2	16	7	302	2.63	2	7	ND	10	2	.2	2	2	3	.01	.020	29	4	.09	23	.01	2	.47	.01	.16	1
B 52755	1	20	86	67	.3	9	4	467	1.57	8	5	ND	1	155	.9	3	2	1	5.30	.018	3	7	3.14	16	.01	2	.09	.01	.06	1
STANDARD C	18	57	37	131	6.8	72	31	1053	3.96	41	18	7	38	53	18.5	15	20	55	.48	.099	39	61	.88	180	.07	36	1.88	.06	.14	12

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Rock

DATE RECEIVED: JUL 30 1990 **DATE REPORT MAILED:** Aug 3/90. **SIGNED BY** ....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 9 1990

DATE REPORT MAILED: Aug. 11/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Ltd. FILE # 90-2957R

SAMPLE#	AU* ppb
B 52751	4
B 52752	2
B 52753	3
B 52754	1
B 52755	1

- SAMPLE TYPE: Rock Pulp AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

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

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT LA POINTE File # 90-4572 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
L600N 300W	1	15	19	44	.5	11	4	153	3.04	7	5	ND	1	10	.4	2	2	24	.10	.028	13	11	.41	32	.10	3	1.22	.01	.03	1	2
L600N 275W	1	17	20	63	.2	12	5	546	2.78	11	5	ND	1	5	.6	2	2	26	.03	.026	12	11	.41	32	.07	3	1.01	.01	.03	1	1
L600N 250W	1	26	24	41	.5	12	4	119	3.00	8	5	ND	1	7	.2	2	2	24	.05	.032	17	8	.24	29	.07	3	1.22	.01	.02	1	2
L600N 225W	1	49	24	70	.6	28	15	525	3.65	21	8	ND	1	23	.3	2	2	21	.37	.059	74	17	.54	34	.05	3	1.83	.01	.04	1	1
L600N 200W	1	22	24	64	.2	21	9	764	3.43	20	5	ND	1	15	.2	2	3	21	.33	.045	21	17	.59	29	.05	3	1.52	.01	.05	1	1
L600N 175W	1	32	22	66	.3	27	13	382	3.16	20	7	ND	1	12	.5	2	2	18	.18	.047	38	17	.67	38	.05	3	1.98	.01	.05	1	2
L600N 150W	1	30	21	74	.5	30	15	633	3.25	18	7	ND	4	23	.6	2	2	17	.52	.086	48	18	.67	31	.06	3	3.59	.01	.04	1	8
L600N 125W	1	18	17	43	.1	14	5	206	2.92	12	5	ND	1	9	.2	2	2	20	.15	.032	9	11	.39	18	.06	3	.87	.01	.03	1	3
L600N 100W	1	26	17	32	.4	15	5	216	3.34	11	5	ND	1	13	.2	2	2	24	.30	.029	19	12	.36	19	.11	3	1.54	.01	.02	1	1
L600N 75W	1	76	17	37	.6	21	8	622	2.77	7	8	ND	1	22	.4	2	2	20	.49	.043	73	16	.32	29	.11	3	2.35	.01	.03	1	1
L600N 50W	1	23	44	38	.4	12	4	150	4.49	14	5	ND	2	11	.7	2	2	28	.25	.042	14	16	.29	30	.09	4	1.71	.01	.03	1	3
L600N 25W	1	8	14	83	.3	17	5	163	2.03	2	5	ND	2	12	.3	2	2	10	.24	.026	14	22	.79	18	.04	2	1.37	.01	.02	1	3
L600N 00W	1	27	22	74	.7	27	14	340	3.29	10	5	ND	1	17	.7	2	2	22	.29	.035	16	20	.66	46	.06	3	2.07	.01	.04	1	1
L600N 25E	1	26	17	57	.3	19	7	172	3.83	9	5	ND	3	18	.4	2	2	20	.42	.026	11	19	.55	34	.05	3	2.22	.01	.04	1	1
L600N 50E	1	19	11	45	.2	15	4	157	3.00	9	5	ND	1	3	.5	2	2	21	.02	.021	8	12	.46	30	.05	4	1.02	.01	.02	1	3
L600N 75E	1	23	21	47	.4	17	6	307	3.81	9	5	ND	1	6	.4	2	2	24	.07	.029	11	15	.40	33	.06	3	1.21	.01	.03	1	2
L600N 100E	1	28	23	43	.5	15	4	132	4.10	10	5	ND	1	20	.7	2	2	27	.38	.030	11	10	.27	34	.07	3	.85	.01	.02	1	3
L600N 125E	1	16	14	77	.4	23	10	271	2.78	5	5	ND	1	22	.3	2	2	15	.42	.031	11	18	.66	29	.05	4	1.36	.01	.03	1	3
L600N 150E	2	36	19	37	.3	14	5	111	3.88	5	5	ND	3	5	.3	2	2	28	.04	.021	25	11	.19	23	.10	4	1.08	.01	.02	1	3
L600N 175E	1	37	23	41	.4	17	6	165	3.57	5	6	ND	1	5	.7	2	3	20	.04	.037	46	14	.33	18	.06	3	1.79	.01	.02	1	2
L600N 200E	1	31	30	60	.2	34	10	688	4.73	11	5	ND	2	4	.3	2	2	16	.04	.044	18	19	.53	25	.03	3	1.05	.01	.02	1	2
L600N 225E	1	29	17	51	.2	27	6	212	3.93	8	5	ND	1	4	.2	2	2	17	.05	.041	11	20	.60	13	.02	3	1.12	.01	.01	1	2
L600N 250E	1	21	35	59	.3	17	9	959	3.50	10	5	ND	1	3	.2	2	2	18	.04	.033	7	10	.35	14	.05	3	.61	.01	.02	1	1
L600N 275E	1	25	29	62	.2	22	10	515	3.50	8	5	ND	1	3	.2	2	2	18	.06	.031	10	11	.57	28	.05	3	.84	.01	.03	1	3
L600N 300E	1	24	27	76	.2	18	6	672	2.73	10	5	ND	1	11	.8	2	2	19	.42	.051	7	10	.35	83	.03	3	.56	.01	.03	1	4
L500N 25E	1	21	16	40	.1	20	6	245	2.83	8	5	ND	1	4	.2	2	2	16	.10	.043	11	12	.50	19	.03	3	.88	.01	.03	1	3
L500N 50E	1	25	20	40	.3	18	6	185	2.73	8	5	ND	1	3	.2	2	2	16	.06	.075	17	10	.37	10	.02	3	.80	.01	.02	1	3
L500N 75E	1	59	15	30	.8	15	5	118	2.26	3	9	ND	1	4	.4	2	2	13	.06	.101	35	10	.22	10	.02	3	1.35	.01	.02	1	3
L500N 100E	2	28	17	40	.3	18	5	166	3.49	8	5	ND	1	2	.2	2	2	18	.02	.057	18	12	.37	8	.04	4	.93	.01	.02	1	1
L500N 125E	2	40	15	35	.3	16	5	157	3.04	7	5	ND	1	3	.3	2	2	22	.03	.040	24	12	.35	9	.04	4	.89	.01	.02	1	1
L500N 150E	1	38	105	236	.4	39	17	1048	3.72	16	5	ND	3	8	1.4	2	2	16	.16	.047	22	12	.67	30	.03	4	1.34	.01	.03	1	5
L500N 175E	1	24	25	57	.2	20	7	237	3.38	6	5	ND	1	12	.4	2	2	15	.27	.035	17	13	.55	20	.03	3	1.12	.01	.02	1	3
L500N 200E	1	28	40	57	.3	20	8	295	3.50	9	5	ND	5	2	.4	2	2	12	.06	.040	14	11	.56	22	.04	3	1.34	.01	.03	1	1
L500N 225E	1	25	26	50	.1	15	7	368	3.46	7	5	ND	1	3	.3	2	2	18	.10	.027	8	9	.41	29	.05	4	.65	.01	.02	1	2
L500N 250E	1	19	31	52	.2	14	5	152	5.73	8	5	ND	1	3	.5	2	2	20	.05	.038	10	14	.37	50	.06	2	.97	.01	.03	1	1
L500N 275E	1	23	46	68	.3	17	7	567	4.90	9	5	ND	2	6	.5	2	2	21	.14	.044	7	15	.48	44	.07	3	.80	.01	.03	1	3
STANDARD C/AU-S	18	61	37	130	6.8	70	32	1049	3.97	38	20	7	39	53	18.5	14	20	58	.52	.094	37	56	.90	181	.09	36	1.89	.06	.14	13	49

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 19 1990 **DATE REPORT MAILED:** Sept 25/90 **SIGNED BY** .... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
L500N 300E	1	28	43	195	.3	27	10	1661	2.65	10	5	ND	1	27	3.1	2	2	13	.97	.119	20	13	.49	150	.03	2	1.24	.01	.04	1	1
L400N 300W	1	21	21	70	.2	21	12	606	3.20	11	5	ND	1	5	.7	2	2	16	.06	.066	21	17	.60	36	.03	2	1.56	.01	.06	1	3
L400N 275W	1	23	20	71	.2	23	10	454	3.21	9	5	ND	1	4	.3	2	4	16	.03	.063	23	17	.62	33	.03	4	1.65	.01	.06	1	3
L400N 250W	1	26	24	53	.2	18	9	455	2.96	7	5	ND	1	4	.4	2	2	18	.03	.062	24	15	.45	27	.03	2	1.66	.01	.05	1	3
L400N 225W	1	28	16	75	.1	33	9	357	4.18	11	5	ND	2	3	.2	2	2	16	.01	.041	14	25	.90	36	.02	2	1.80	.01	.06	1	6
L400N 200W	1	28	19	90	.1	38	11	403	4.69	14	5	ND	3	3	.2	2	2	16	.02	.041	17	30	1.14	41	.03	2	2.46	.01	.06	1	1
L400N 175W	1	16	18	56	.1	19	7	414	3.73	10	5	ND	1	4	.2	2	2	22	.01	.048	11	17	.50	30	.04	3	1.31	.01	.04	1	2
L400N 150W	1	17	17	63	.5	19	8	376	4.02	9	5	ND	1	4	.4	2	5	24	.02	.053	10	18	.54	31	.05	2	1.49	.01	.05	1	6
L400N 125W	2	22	19	71	.2	23	10	532	3.96	9	5	ND	1	6	.7	2	2	24	.08	.044	18	19	.61	40	.07	3	1.83	.01	.05	1	1
L400N 100W	1	18	12	58	.2	19	7	303	3.77	4	5	ND	1	4	.2	2	2	26	.02	.044	11	19	.45	39	.06	2	1.50	.01	.04	1	3
L400N 75W	1	19	19	57	.3	18	6	282	3.68	10	5	ND	1	8	.2	2	2	24	.08	.039	10	15	.37	52	.06	2	1.05	.01	.04	1	4
L400N 50W	1	24	25	73	.3	30	10	501	4.30	12	5	ND	4	7	.7	2	2	17	.10	.065	14	23	.67	47	.03	2	2.14	.01	.06	1	3
L400N 25W	1	18	20	59	.1	21	9	974	4.17	8	5	ND	1	7	.2	2	2	23	.10	.039	12	16	.48	45	.05	4	1.11	.01	.04	1	4
L300N 300W	1	29	28	53	.1	16	7	262	3.57	9	5	ND	2	4	.2	2	3	21	.02	.050	27	16	.53	34	.06	2	1.63	.01	.06	1	3
L300N 275W	1	30	63	81	.2	30	9	465	3.95	17	5	ND	3	5	.4	2	2	15	.04	.053	17	25	1.00	34	.03	4	1.93	.01	.06	1	6
L300N 250W	1	23	25	77	.4	28	8	365	3.84	11	8	ND	3	7	.2	2	2	17	.05	.038	15	23	.94	42	.03	2	1.75	.01	.05	1	2
L300N 225W	1	32	12	67	.3	26	8	275	4.22	9	5	ND	1	8	.2	2	7	19	.09	.076	13	24	.73	33	.03	2	1.60	.01	.06	1	5
L300N 200W	1	33	26	91	.2	43	12	538	4.39	15	5	ND	5	7	.5	2	3	18	.06	.059	16	32	1.10	44	.03	3	2.29	.01	.10	1	4
L300N 175W	1	21	16	61	.1	23	8	371	3.39	7	5	ND	1	5	.2	2	2	16	.03	.050	13	22	.73	20	.02	2	1.65	.01	.05	1	1
L300N 150W	1	20	21	75	.1	30	10	489	3.57	10	5	ND	1	7	.2	2	2	16	.07	.049	14	22	.77	32	.02	2	1.61	.01	.07	1	4
L300N 125W	1	18	20	63	.4	24	8	350	3.59	7	5	ND	1	7	.2	2	2	18	.05	.039	13	21	.71	33	.03	4	1.62	.01	.05	1	6
L300N 100W	1	26	11	74	.1	25	10	450	3.69	11	5	ND	2	6	.3	2	4	22	.05	.041	15	22	.66	35	.04	3	1.60	.01	.08	1	3
L300N 75W	1	22	24	56	.3	20	15	848	3.84	6	5	ND	1	4	.2	2	2	24	.02	.067	16	17	.49	33	.05	3	1.95	.01	.04	1	3
L300N 50W	1	16	22	64	.3	24	9	450	4.29	11	5	ND	3	5	.2	2	2	23	.04	.035	12	22	.63	35	.05	2	1.39	.01	.05	1	5
L300N 25W	1	25	27	55	.4	18	6	289	3.80	11	5	ND	1	9	.4	2	2	30	.14	.050	12	13	.31	48	.08	2	.97	.01	.04	1	4
L300N 00W	1	26	34	88	.2	29	9	701	4.65	22	5	ND	2	11	.6	2	2	19	.27	.068	12	22	.75	52	.04	4	1.56	.01	.06	1	4
L300N 25E	1	22	44	68	.1	24	8	318	3.93	10	5	ND	3	4	.2	2	2	16	.05	.034	13	18	.57	27	.04	2	1.40	.01	.03	1	5
L300N 50E	1	15	17	55	.1	19	6	204	3.13	8	5	ND	4	7	.2	2	2	19	.17	.021	11	14	.40	26	.03	2	.97	.01	.03	1	1
L300N 75E	2	32	141	110	3.0	16	6	447	4.15	7	5	ND	2	4	1.0	2	2	26	.03	.040	11	15	.28	37	.08	2	1.77	.01	.03	1	4
L300N 100E	2	18	40	82	1.3	13	5	146	4.00	9	5	ND	4	6	1.9	2	2	34	.05	.024	12	12	.20	30	.14	2	1.16	.01	.03	1	4
L300N 125E	1	20	63	149	.4	17	10	531	4.90	6	5	ND	4	4	.8	2	3	36	.04	.029	9	17	.95	43	.17	3	1.94	.01	.05	1	5
L300N 150E	1	20	32	163	.2	22	12	577	4.42	4	5	ND	5	5	1.0	2	3	34	.06	.034	11	20	1.26	51	.12	2	2.29	.01	.05	1	5
L300N 175E	1	17	66	392	.2	27	13	1965	5.23	9	5	ND	2	8	1.3	2	2	24	.39	.105	9	18	1.19	72	.07	2	1.86	.01	.06	1	6
L300N 200E	1	23	54	175	.2	29	14	1453	5.04	8	5	ND	3	10	1.0	2	2	21	.35	.052	15	18	.77	119	.06	2	2.05	.01	.05	1	4
L300N 225E	1	22	42	195	.2	22	13	1258	4.22	12	5	ND	3	10	.7	2	2	23	.33	.043	12	15	.70	83	.08	3	1.72	.01	.05	1	5
L300N 250E	1	18	60	99	.4	13	8	396	4.39	10	5	ND	2	6	.7	2	2	26	.14	.061	10	12	.32	63	.07	2	.98	.01	.04	1	5
STANDARD C/AU-S	18	58	37	131	6.7	68	31	1053	3.97	41	21	7	37	53	18.7	15	21	55	.52	.095	37	55	.90	180	.07	34	1.89	.06	.14	12	47

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
L300N 275E	1	23	31	96	.2	13	6	429	3.86	8	5	ND	1	2	.2	2	2	23	.03	.059	11	13	.46	36	.06	3	1.21	.01	.03	1	3
L300N 300E	1	27	20	91	.2	16	6	217	4.04	6	5	ND	3	5	.3	2	2	22	.08	.027	13	13	.65	71	.10	5	1.57	.01	.09	1	1
L200N 25E	1	22	24	61	.2	21	10	746	3.41	6	5	ND	1	6	.2	2	2	24	.06	.030	24	17	.60	47	.05	4	1.50	.01	.03	1	3
L200N 50E	1	26	78	107	.6	25	8	303	4.50	7	5	ND	3	3	.2	2	2	20	.04	.035	12	19	.64	39	.04	3	1.56	.01	.03	1	26
L200N 75E	1	25	61	144	.3	22	8	1123	3.25	11	5	ND	1	10	.4	2	2	18	.31	.051	11	14	.52	82	.04	4	.97	.01	.04	1	2
L200N 100E	1	30	38	78	.4	21	7	255	3.65	9	5	ND	2	3	.2	2	2	26	.03	.025	12	14	.52	44	.06	3	1.36	.01	.03	1	9
L200N 125E	1	21	31	121	.1	15	6	394	3.68	7	5	ND	1	3	.2	2	2	37	.03	.029	7	14	.83	29	.12	5	1.09	.01	.03	1	1
L200N 150E	1	26	37	482	.1	31	7	752	4.18	2	5	ND	1	7	1.1	2	2	26	.30	.045	14	21	1.78	54	.12	4	2.63	.01	.03	1	1
L200N 175E	1	18	20	65	.1	14	5	179	3.54	7	5	ND	2	3	.2	2	2	35	.03	.020	6	13	.37	56	.11	4	.84	.01	.02	1	1
L200N 200E	1	18	67	195	.2	18	11	612	4.83	7	5	ND	4	5	.3	2	2	24	.14	.044	7	14	.52	87	.06	5	1.22	.01	.03	1	4
L200N 225E	1	21	45	98	.1	20	8	246	3.22	7	5	ND	1	11	.6	2	2	20	.33	.034	12	12	.52	55	.05	3	1.02	.01	.02	1	3
L200N 250E	1	32	56	199	.3	30	14	1140	4.10	9	5	ND	2	12	.6	2	2	18	.46	.040	19	14	.84	53	.05	4	1.24	.01	.03	1	8
L200N 275E	1	21	71	181	.4	22	11	660	4.65	7	5	ND	2	5	.3	2	2	25	.11	.036	8	16	.67	54	.09	3	1.29	.01	.03	1	3
L200N 300E	1	16	26	74	.1	12	4	192	2.56	11	5	ND	1	3	.2	2	2	22	.07	.024	6	7	.26	49	.06	4	.43	.01	.02	1	3
L100N 75E	1	28	41	62	.2	15	6	306	3.70	16	5	ND	3	2	.2	2	2	27	.02	.032	7	11	.32	24	.10	4	1.19	.01	.02	1	1
L100N 100E	1	14	45	111	.1	12	8	610	3.39	5	5	ND	1	4	.2	2	2	19	.10	.027	9	10	.51	36	.06	4	.96	.01	.03	1	4
L100N 125E	1	22	34	91	.3	17	8	358	3.41	5	5	ND	2	5	.2	2	2	23	.10	.030	9	12	.47	37	.09	4	1.74	.01	.03	1	4
L100N 150E	1	25	73	254	.4	18	10	1287	4.82	7	5	ND	2	3	.2	2	2	29	.06	.045	8	12	.49	69	.10	4	1.40	.01	.03	1	5
L100N 175E	1	22	28	117	.2	20	9	236	3.87	9	5	ND	4	5	.2	2	2	22	.10	.027	11	14	.64	56	.07	4	1.53	.01	.03	1	1
L100N 200E	1	26	62	175	.1	28	8	214	4.95	12	5	ND	4	3	.2	2	2	29	.07	.037	5	18	.98	43	.12	5	1.98	.01	.03	1	2
L100N 225E	1	22	67	228	.1	21	12	920	3.65	13	5	ND	2	6	.8	3	2	23	.14	.035	13	12	.69	51	.07	4	1.12	.01	.03	1	2
L100N 250E	1	21	39	104	.3	19	7	447	3.37	11	5	ND	3	3	.2	3	2	19	.10	.041	10	11	.63	86	.05	5	.98	.01	.03	1	5
L100N 275E	1	33	82	109	.3	21	22	1228	2.70	12	5	ND	1	5	1.0	2	2	18	.08	.055	21	10	.56	76	.04	4	1.23	.01	.04	1	4
L100N 300E	1	17	31	63	.3	9	4	311	2.71	10	5	ND	1	3	.2	2	2	26	.05	.052	8	7	.24	36	.10	4	.54	.01	.03	1	1
L00 300W	1	25	20	50	.1	21	7	241	2.63	22	5	ND	1	3	.2	2	2	17	.02	.044	16	13	.59	23	.03	3	1.16	.01	.02	1	4
L00 275W	1	22	35	62	.1	23	7	297	3.80	25	5	ND	2	3	.3	3	2	24	.03	.033	12	19	.80	19	.05	4	1.55	.01	.02	1	1
L00 250W	1	75	27	51	.1	18	7	227	1.94	11	5	ND	1	3	.8	2	2	19	.02	.057	44	15	.49	27	.02	3	1.49	.01	.02	1	6
L00 225W	1	28	23	49	.1	19	7	308	2.63	9	5	ND	1	4	.4	2	2	26	.02	.042	21	13	.46	25	.04	4	.99	.01	.03	1	1
L00 200W	3	166	59	60	.1	84	42	1549	7.29	51	6	ND	4	3	.8	3	4	29	.02	.103	18	21	.60	25	.03	2	1.68	.01	.02	1	6
L00 175W	2	46	59	84	.1	43	27	1953	3.65	18	5	ND	2	7	.8	3	2	15	.21	.096	20	15	.69	54	.01	4	1.09	.01	.02	1	1
L00 150W	3	49	16	65	.3	45	18	800	4.20	4	5	ND	1	3	.2	2	2	16	.04	.056	17	14	.58	26	.02	3	1.07	.01	.02	1	1
L00 125W	1	61	68	88	.3	61	34	3054	4.37	12	17	ND	2	8	.8	2	3	16	.21	.175	73	18	.55	46	.02	4	1.74	.01	.02	1	1
L00 100W	1	20	19	48	.1	16	5	185	3.30	4	5	ND	2	3	.2	2	2	20	.06	.027	13	14	.42	20	.04	4	1.62	.01	.02	1	1
L00 75W	1	28	23	42	.2	11	4	123	2.38	4	5	ND	1	5	.2	2	2	18	.08	.036	35	11	.26	22	.06	3	1.98	.01	.02	2	4
L00 50W	1	27	32	60	.1	22	7	197	4.63	15	5	ND	1	3	.5	2	2	26	.02	.035	12	14	.40	25	.06	4	1.13	.01	.02	1	2
L00 25W	1	21	30	58	.7	18	8	177	3.34	11	5	ND	2	7	.2	2	2	26	.13	.023	24	11	.25	36	.10	4	1.43	.01	.02	1	3
STANDARD C/AU-S	18	60	39	131	6.8	70	32	1049	3.98	39	22	7	39	52	19.0	15	22	57	.52	.092	37	56	.90	180	.09	36	1.89	.06	.14	13	47

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
L00 00	1	20	27	52	.5	15	5	741	2.59	8	5	ND	2	5	.4	2	2	22	.05	.056	10	10	.26	41	.11	3	2.15	.01	.03	1	4
L00 25E	1	15	44	127	.3	18	6	248	5.52	5	5	ND	5	4	.3	2	2	21	.04	.026	12	15	.50	32	.08	4	1.34	.01	.03	1	4
L00 50E	1	13	58	156	.3	16	9	826	3.83	4	5	ND	4	6	.8	2	2	29	.04	.027	11	13	.39	60	.14	3	1.27	.01	.04	1	4
L00 75E	1	20	53	604	.4	21	11	1532	3.13	6	5	ND	2	11	2.9	2	2	20	.20	.041	21	12	.49	40	.08	3	1.64	.01	.05	1	3
L00 100E	1	19	61	217	.2	14	6	513	4.65	9	5	ND	2	4	.7	2	2	31	.05	.032	6	13	.75	44	.18	3	2.44	.01	.03	1	2
L00 125E	1	11	47	117	.2	13	6	282	4.31	8	5	ND	4	4	.5	2	2	27	.08	.025	11	12	.39	52	.11	2	1.04	.01	.04	1	2
L00 150E	1	12	99	145	.2	18	11	2350	4.18	8	5	ND	1	6	.6	3	2	21	.14	.065	10	12	.57	59	.06	3	1.20	.01	.06	1	4
L00 175E	1	23	33	73	.2	23	9	326	3.87	13	5	ND	3	3	.2	2	2	14	.04	.047	15	13	.57	40	.04	2	1.10	.01	.04	1	1
L00 200E	1	16	38	78	.1	15	7	318	4.01	9	5	ND	2	3	.2	2	2	21	.02	.044	14	12	.35	48	.07	2	.90	.01	.03	1	2
L00 225E	1	25	43	215	.6	23	13	1852	3.62	9	5	ND	2	3	.3	2	2	21	.03	.049	14	13	.46	68	.07	3	1.45	.01	.06	1	3
L00 250E	1	19	33	89	.2	14	6	866	3.29	13	5	ND	1	3	.2	2	2	20	.03	.088	14	11	.36	58	.05	3	1.01	.01	.07	1	2
L00 275E	1	20	27	102	.8	12	7	967	3.84	6	5	ND	3	3	.2	2	2	25	.02	.052	10	14	.32	62	.10	3	2.43	.01	.05	1	3
L00 300E	1	22	32	154	.5	18	7	275	4.52	16	5	ND	6	6	.3	2	2	24	.06	.063	14	14	.50	68	.09	3	1.29	.01	.06	1	3
L100S 300W	1	24	21	52	.2	16	5	121	2.90	5	5	ND	1	8	.2	2	2	26	.08	.033	38	12	.22	33	.14	2	2.07	.01	.04	1	3
L100S 275W	1	26	18	63	.2	20	6	161	5.21	15	5	ND	2	5	.4	2	2	28	.04	.036	25	17	.40	26	.09	3	1.92	.01	.03	1	1
L100S 250W	1	47	45	53	.2	18	11	350	3.45	16	5	ND	1	4	1.3	2	2	20	.03	.079	28	18	.40	23	.04	4	2.10	.01	.03	1	6
L100S 225W	1	6	14	47	.1	16	5	222	5.28	13	5	ND	3	3	.4	2	2	42	.01	.036	10	26	.59	14	.08	3	1.61	.01	.02	1	3
L100S 200W	3	48	32	71	.2	49	13	297	6.13	31	5	ND	5	4	.5	3	2	18	.02	.046	10	17	.54	17	.04	3	1.30	.01	.03	1	1
L100S 175W	3	34	27	73	.2	44	21	1084	4.85	22	5	ND	1	4	.7	2	2	19	.04	.067	15	15	.44	45	.03	3	.94	.01	.04	1	1
L100S 150W	1	21	14	66	.1	20	6	236	3.69	10	5	ND	2	3	.2	2	2	21	.02	.034	21	20	.53	18	.05	2	1.47	.01	.03	1	4
L100S 125W	1	34	28	67	.2	35	18	588	3.77	6	5	ND	1	4	.3	2	2	19	.03	.051	28	20	.62	24	.04	3	1.72	.01	.03	1	3
L100S 100W	1	57	22	70	.2	36	33	1031	3.90	3	5	ND	2	5	.4	2	2	21	.05	.069	65	19	.53	27	.05	3	2.72	.01	.03	1	2
L100S 75W	1	30	24	81	.2	35	22	703	4.60	10	5	ND	2	9	.2	2	2	20	.15	.043	26	18	.57	27	.06	2	1.74	.01	.03	1	1
L100S 50W	1	66	24	96	.1	102	25	310	8.02	52	5	ND	9	3	.2	2	2	14	.01	.045	10	19	.46	19	.03	4	1.36	.01	.02	1	1
L100S 25W	1	61	18	85	.1	78	22	838	7.27	65	5	ND	4	3	.3	2	2	13	.01	.067	11	16	.38	16	.02	4	1.13	.01	.01	1	1
L100S 00W	1	11	50	62	.1	10	3	89	2.04	16	5	ND	1	4	.2	2	2	14	.05	.024	9	5	.09	13	.03	2	.40	.01	.02	1	1
L100S 25E	1	18	59	189	.8	16	11	527	4.03	7	5	ND	1	4	1.2	2	2	14	.04	.065	7	4	.04	29	.03	3	.76	.01	.02	1	2
L100S 50E	1	18	66	107	.7	14	5	208	4.54	12	5	ND	3	3	.5	3	2	24	.01	.033	9	11	.25	21	.08	3	.93	.01	.03	1	1
L100S 75E	1	10	54	111	.3	11	5	246	2.97	5	5	ND	2	10	.5	2	3	23	.20	.026	10	9	.25	45	.10	2	.88	.01	.03	1	23
L100S 100E	1	8	31	57	.1	8	3	323	2.88	6	5	ND	2	3	.2	2	2	23	.03	.025	10	8	.23	31	.10	2	.66	.01	.03	1	2
L100S 125E	1	20	97	153	.2	17	7	741	4.37	11	5	ND	3	3	.4	2	2	16	.09	.036	10	11	.61	43	.08	2	1.26	.01	.04	1	5
L100S 150E	1	13	98	192	.3	16	10	3274	4.64	5	7	ND	2	6	.7	2	2	23	.15	.044	8	11	.40	114	.08	2	1.07	.01	.04	1	1
L100S 175E	1	16	80	108	.5	13	4	415	4.18	4	5	ND	2	3	.2	2	3	25	.04	.046	8	9	.16	38	.08	3	.50	.01	.03	1	2
L100S 200E	1	19	116	142	.4	13	5	631	4.50	8	5	ND	1	3	.6	2	3	28	.02	.071	8	11	.21	31	.09	4	.93	.01	.04	1	1
L100S 225E	1	17	40	80	.3	10	5	1421	2.81	8	5	ND	1	3	.5	2	2	24	.03	.050	11	7	.09	66	.07	3	.48	.01	.03	1	2
L100S 250E	1	27	35	167	.1	30	10	217	3.52	5	5	ND	11	3	.2	2	2	14	.05	.044	15	14	.67	63	.06	3	2.07	.01	.06	1	1
STANDARD C/AU-S	18	57	38	131	6.7	69	31	1048	3.96	38	20	7	38	53	18.8	15	21	55	.52	.091	37	55	.90	181	.09	36	1.90	.06	.14	13	46

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
L100S 275E	1	20	75	122	.1	14	9	920	3.30	10	5	ND	2	2	.2	2	2	20	.03	.052	9	10	.49	42	.05	4	1.27	.01	.03	1	8
L100S 300E	1	13	29	64	.2	9	5	732	3.16	7	5	ND	1	2	.3	2	2	24	.01	.044	7	9	.31	40	.07	3	.75	.01	.03	1	1
L200S 300W	1	16	52	64	.1	17	9	791	3.07	10	5	ND	1	4	.9	2	2	22	.06	.058	8	21	.63	31	.02	4	1.11	.01	.02	1	3
L200S 275W	1	16	46	41	.1	8	5	360	1.92	10	5	ND	1	5	1.4	2	2	18	.08	.042	5	10	.28	40	.03	3	.60	.01	.02	1	4
L200S 250W	1	12	16	46	.1	12	4	211	3.17	13	5	ND	1	2	.4	2	2	31	.01	.030	7	15	.49	19	.07	4	1.05	.01	.02	1	4
L200S 225W	1	32	21	78	.2	32	12	525	3.69	15	6	ND	1	6	.3	2	2	28	.05	.062	15	23	.76	30	.03	4	1.86	.01	.03	1	4
L200S 200W	1	32	132	119	.1	19	28	4221	2.83	15	5	ND	1	10	2.4	3	2	24	.17	.105	12	17	.51	181	.04	5	1.14	.01	.03	1	5
L200S 175W	1	29	40	63	.2	21	14	750	3.05	13	5	ND	1	4	.3	2	2	23	.04	.068	25	14	.51	34	.04	4	1.39	.01	.02	1	7
L200S 150W	1	24	24	53	.2	17	9	519	3.28	2	5	ND	1	3	.2	2	3	26	.02	.055	15	17	.57	24	.05	4	1.39	.01	.02	1	4
L200S 125W	1	18	16	56	.1	17	13	858	3.34	4	5	ND	1	4	.5	2	2	20	.05	.058	24	15	.52	26	.03	4	1.18	.01	.02	1	2
L200S 100W	1	15	34	52	.1	19	18	909	2.37	8	5	ND	1	6	.8	2	2	12	.14	.070	27	18	.73	28	.01	3	1.18	.01	.02	1	3
L200S 75W	1	32	38	75	.1	45	14	372	3.75	13	5	ND	1	7	.8	2	2	21	.13	.038	6	16	.55	74	.03	4	.79	.01	.01	1	7
L200S 50W	1	38	25	59	.1	41	11	291	5.46	42	5	ND	4	4	.4	2	2	20	.04	.070	6	16	.43	26	.03	3	.97	.01	.01	1	4
L200S 25W	1	49	25	83	.2	62	18	961	6.34	30	5	ND	3	5	.4	2	2	19	.04	.067	6	13	.32	29	.03	3	.82	.01	.01	1	1
L200S 00W	1	19	110	64	.7	7	4	215	3.13	12	9	ND	1	3	.2	2	2	21	.02	.043	7	8	.14	16	.09	3	2.85	.01	.01	1	7
L200S 25E	1	16	92	69	.3	8	4	139	3.07	10	5	ND	1	2	.4	2	2	28	.01	.021	7	6	.14	14	.09	4	.87	.01	.01	1	3
L200S 50E	1	26	21	89	.2	12	4	247	4.98	11	5	ND	1	3	.2	2	2	23	.02	.052	8	4	.05	24	.03	3	.55	.01	.01	1	2
L200S 75E	1	15	40	67	.5	9	5	624	3.37	8	5	ND	1	3	.2	2	2	27	.03	.046	5	8	.29	26	.09	4	.71	.01	.03	1	1
L200S 100E	1	14	64	74	.3	8	5	319	4.24	8	5	ND	2	2	.3	2	2	30	.01	.041	6	10	.20	26	.12	4	.84	.01	.02	1	1
L200S 125E	1	14	46	77	.2	9	5	228	4.02	6	5	ND	2	2	.2	2	2	33	.02	.024	4	9	.32	46	.14	4	.83	.01	.02	1	2
L200S 150E	1	20	74	194	.2	19	8	904	4.21	4	5	ND	2	3	.3	2	2	23	.07	.035	5	11	.83	33	.09	4	1.26	.01	.03	1	1
L200S 175E	1	49	197	227	.7	25	19	2427	4.26	6	5	ND	1	8	1.2	2	16	22	.28	.077	5	13	.68	147	.05	4	1.14	.01	.04	1	1
L200S 200E	1	24	139	151	.4	13	14	2098	3.71	18	5	ND	1	5	1.1	3	6	22	.17	.098	9	9	.39	99	.05	4	.81	.01	.04	1	4
L200S 225E	1	29	45	264	.2	28	13	542	3.99	8	6	ND	3	3	.2	2	2	17	.09	.048	12	14	.77	48	.05	4	1.45	.01	.04	1	2
L200S 250E	1	21	34	67	.1	11	4	268	3.21	11	5	ND	1	3	.2	2	2	26	.04	.046	6	7	.11	39	.06	4	.40	.01	.02	1	1
L200S 275E	1	12	20	57	.1	7	4	480	1.76	7	5	ND	1	3	.3	2	2	14	.09	.035	8	5	.26	43	.04	3	.57	.01	.03	1	1
L200S 300E	1	24	40	113	.2	14	8	375	4.14	14	5	ND	4	3	.2	2	3	31	.05	.041	9	12	.46	49	.12	4	1.27	.01	.04	1	6
L300S 300W	1	26	28	55	.2	11	5	297	3.05	5	5	ND	1	4	.7	2	2	32	.02	.048	13	14	.33	28	.06	4	1.24	.01	.02	1	4
L300S 275W	1	18	36	60	.1	10	3	659	2.06	6	5	ND	1	12	.5	2	2	29	.22	.038	6	12	.31	63	.08	3	.75	.01	.02	1	4
L300S 250W	1	18	12	53	.1	16	5	247	3.19	8	5	ND	1	3	.3	2	2	22	.01	.036	11	20	.63	14	.03	3	1.30	.01	.01	2	3
L300S 225W	2	27	27	52	.2	10	3	104	3.40	7	5	ND	1	4	.9	2	2	33	.02	.040	15	11	.24	21	.12	4	1.60	.01	.02	2	1
L300S 200W	1	33	31	66	.1	20	12	1071	3.32	14	5	ND	1	4	.7	2	3	24	.03	.078	11	17	.50	34	.05	4	1.48	.01	.03	1	5
L300S 175W	1	15	23	45	.1	11	4	200	3.19	11	5	ND	1	4	.4	2	2	29	.03	.033	6	12	.37	25	.06	4	.82	.01	.01	1	1
L300S 150W	1	15	23	70	.1	25	9	592	3.00	4	5	ND	1	3	.4	2	2	24	.02	.051	9	19	.72	20	.03	4	1.47	.01	.02	1	1
L300S 125W	5	20	43	81	.2	19	16	983	3.41	8	5	ND	1	9	.5	2	2	18	.32	.112	21	21	.71	22	.02	4	1.43	.01	.02	1	2
L300S 100W	1	24	33	52	.2	17	11	619	3.09	12	5	ND	1	4	.6	2	2	22	.03	.055	17	15	.48	29	.02	3	1.00	.01	.02	1	3
STANDARD C/AU-S	18	62	39	130	6.6	69	32	1050	3.98	37	20	7	37	52	19.0	15	17	60	.53	.094	38	55	.91	180	.09	38	1.89	.06	.14	13	49

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
L300S 75W	1	19	16	51	.1	19	6	374	3.70	8	5	ND	2	3	.3	2	2	25	.02	.034	7	16	.58	24	.08	6	1.18	.01	.02	2	3
L300S 50W	1	40	90	67	.2	45	21	1798	4.91	15	5	ND	1	3	.3	2	2	20	.02	.085	12	16	.47	28	.03	7	1.11	.01	.01	1	1
L300S 25W	1	20	47	46	.2	10	4	305	3.81	21	5	ND	1	2	.3	2	2	19	.01	.040	7	11	.36	21	.03	6	1.02	.01	.02	1	2
L300S 00W	1	19	74	109	.2	21	7	238	3.91	4	5	ND	2	4	.2	2	2	21	.05	.036	9	13	.47	35	.05	6	1.82	.01	.02	1	1
L300S 25E	1	16	34	56	.3	10	4	96	5.95	11	5	ND	3	3	.2	2	2	36	.01	.024	6	10	.17	24	.10	6	1.08	.01	.01	1	1
L300S 50E	1	16	26	55	.1	9	4	134	3.59	10	5	ND	1	3	.7	2	2	47	.02	.039	5	7	.19	18	.14	6	.71	.01	.02	1	1
L300S 75E	1	15	38	44	.4	7	3	187	3.32	4	5	ND	1	3	.3	2	2	36	.01	.028	5	8	.14	27	.14	5	1.05	.01	.02	1	2
L300S 100E	1	18	42	96	.1	12	5	227	4.57	6	5	ND	2	3	.5	2	2	37	.02	.028	6	10	.39	31	.15	7	1.00	.01	.03	1	3
L300S 125E	1	21	90	198	.2	15	8	1691	4.41	7	5	ND	1	3	.7	2	2	31	.04	.038	6	12	.54	66	.12	7	1.43	.01	.04	1	1
L300S 150E	1	29	75	147	.1	28	10	1194	4.46	5	5	ND	2	7	1.1	2	2	24	.52	.038	6	15	.99	45	.07	7	1.32	.01	.03	1	2
L300S 175E	1	29	89	263	.3	33	15	2351	5.34	2	5	ND	1	9	1.8	2	4	28	.44	.055	6	15	.95	229	.10	6	1.78	.01	.05	1	1
L300S 200E	1	25	79	185	.3	15	11	1739	4.15	9	5	ND	1	3	.5	2	2	25	.06	.045	8	10	.41	89	.06	6	1.01	.01	.03	1	4
L300S 225E	1	24	28	82	.2	11	6	524	3.37	15	5	ND	1	4	.3	2	2	24	.04	.041	9	7	.35	40	.08	6	.82	.01	.04	1	1
L300S 250E	1	15	74	144	.3	20	10	3842	4.20	8	5	ND	1	8	.6	2	2	25	.14	.051	7	13	.52	114	.07	6	1.27	.01	.03	1	1
L300S 275E	1	20	24	85	.2	13	6	298	3.22	8	5	ND	2	2	.2	2	2	21	.02	.041	11	9	.45	34	.06	5	1.29	.01	.04	1	1
L300S 300E	1	20	25	67	.2	11	15	1725	2.63	5	5	ND	1	4	.6	2	2	22	.03	.035	10	7	.39	61	.06	5	.88	.01	.04	1	47
L400S 300W	1	55	21	66	.1	37	9	340	3.64	14	5	ND	1	4	.3	2	2	30	.02	.052	19	26	.78	21	.05	6	1.56	.01	.02	1	1
L400S 275W	1	25	16	61	.1	22	9	617	3.28	12	5	ND	1	2	.7	2	2	19	.01	.058	17	22	.87	17	.02	6	1.69	.01	.02	1	2
L400S 250W	2	22	33	34	.1	9	3	107	2.47	9	5	ND	1	4	.9	2	2	28	.03	.034	14	9	.27	19	.12	5	1.33	.01	.02	2	1
L400S 225W	1	11	16	63	.1	22	5	305	3.03	12	5	ND	6	3	.4	2	2	14	.04	.032	9	23	.81	15	.02	6	1.37	.01	.01	1	4
L400S 200W	2	32	23	37	.2	20	5	145	4.31	10	5	ND	2	4	.2	2	2	31	.05	.047	7	16	.38	21	.08	6	1.03	.01	.02	1	2
L400S 175W	2	60	21	53	.4	21	24	727	2.88	2	9	ND	1	4	.4	2	2	23	.06	.064	65	11	.32	33	.06	6	1.88	.01	.03	1	2
L400S 150W	1	7	14	51	.1	23	10	2377	3.28	3	5	ND	1	4	.2	2	2	16	.04	.051	8	10	.27	37	.04	6	.89	.01	.01	1	1
L400S 125W	1	12	17	26	.1	5	1	90	.81	2	5	ND	1	3	.4	2	2	8	.02	.027	11	11	.25	23	.07	2	1.53	.01	.02	1	1
L400S 100W	1	60	18	43	.2	23	5	108	3.01	2	13	ND	2	5	.5	2	2	21	.05	.056	69	17	.26	21	.08	6	3.19	.01	.02	2	4
L400S 75W	1	33	96	72	.4	45	12	506	5.48	4	5	ND	5	5	.4	2	2	22	.10	.085	12	12	.36	25	.06	6	1.94	.01	.01	1	3
L400S 50W	1	15	20	61	.1	16	6	271	3.15	8	5	ND	1	2	.2	2	2	23	.01	.038	9	9	.36	22	.05	6	.92	.01	.02	1	1
L400S 25W	1	56	308	407	.9	42	18	1272	5.64	32	5	ND	3	4	.8	2	4	17	.05	.086	18	7	.23	27	.04	6	1.17	.01	.02	1	8
L400S 00W	1	24	78	197	.3	30	11	2394	3.76	32	5	ND	1	59	.5	3	2	14	1.32	.305	26	5	.15	42	.02	5	1.09	.01	.02	1	4
L400S 25E	1	32	25	67	.1	23	7	134	4.61	29	5	ND	3	2	.2	6	2	8	.03	.049	2	1	.01	4	.01	7	.10	.01	.01	1	1
L400S 50E	1	21	20	62	.1	17	6	154	4.37	14	5	ND	3	1	.2	3	2	14	.01	.042	5	4	.06	8	.04	6	.40	.01	.01	1	5
L400S 75E	1	21	82	72	1.8	7	3	149	5.18	6	5	ND	1	5	1.6	2	2	31	.05	.055	4	8	.05	28	.17	7	2.55	.01	.01	1	3
L400S 100E	1	17	42	158	.2	14	7	321	3.92	2	5	ND	3	3	.6	2	2	33	.04	.025	4	13	.50	61	.14	6	2.20	.01	.02	1	2
L400S 125E	1	26	129	1000	.3	39	9	1376	4.11	7	5	ND	1	29	2.1	4	2	25	1.04	.040	9	13	1.33	30	.06	5	1.12	.01	.02	1	1
L400S 150E	1	34	57	172	.2	38	11	1069	3.98	4	5	ND	1	30	1.0	4	2	29	2.26	.050	2	20	1.84	57	.13	7	1.78	.01	.25	1	1
L400S 175E	1	25	113	201	.3	29	11	1229	4.76	8	5	ND	2	5	1.0	4	2	30	.15	.042	6	15	.77	63	.09	6	1.47	.01	.04	1	1
STANDARD C/AU-S	18	62	43	131	7.1	71	31	1050	3.98	40	20	7	39	53	18.4	16	20	59	.53	.095	39	56	.90	181	.09	39	1.89	.06	.14	11	48

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
L400S 200E	1	58	118	198	.2	22	33	4461	4.72	30	5	ND	1	9	1.6	2	2	19	.18	.122	11	10	.45	249	.04	2	1.21	.01	.11	2	1
L400S 225E	1	43	99	285	.4	24	18	3120	4.66	18	5	ND	1	10	1.5	2	3	25	.39	.166	8	13	.62	188	.07	4	1.51	.01	.08	2	3
L400S 250E	1	18	54	111	.4	11	8	957	3.55	13	5	ND	1	7	.6	2	2	34	.19	.069	9	11	.30	94	.11	2	.98	.01	.06	1	3
L400S 275E	1	10	23	37	.2	4	4	83	1.53	7	5	ND	2	5	.4	2	2	39	.05	.020	11	6	.11	43	.12	2	.53	.01	.04	1	1
L400S 300E	1	20	28	99	.3	10	7	145	3.74	13	5	ND	6	3	.3	2	2	21	.02	.035	15	10	.40	40	.06	3	1.47	.01	.05	1	2
L500S 25E	1	15	30	43	.5	6	4	80	2.00	4	5	ND	1	3	.2	2	2	15	.03	.023	13	7	.24	20	.04	2	1.00	.01	.03	2	1
L500S 50E	2	26	16	143	.3	17	8	134	4.59	22	5	ND	4	2	.3	3	2	12	.01	.062	13	2	.04	19	.03	2	.40	.01	.03	2	2
L500S 75E	1	32	32	158	.3	22	10	226	3.05	10	5	ND	10	3	.3	2	4	17	.04	.028	18	13	.78	45	.07	3	2.12	.01	.07	1	1
L500S 100E	1	54	113	304	.3	37	19	1722	5.82	35	5	ND	1	13	1.7	2	2	28	.69	.069	9	14	2.09	67	.13	3	1.84	.01	.31	1	3
L500S 125E	1	32	94	284	.2	23	18	2276	5.35	44	5	ND	1	8	2.0	2	3	27	.31	.090	8	11	1.09	89	.08	4	1.39	.01	.24	1	1
L500S 150E	1	31	103	341	.3	24	19	2821	5.62	25	5	ND	1	6	2.6	2	2	33	.18	.132	8	12	1.14	70	.08	3	1.77	.01	.17	2	2
L500S 175E	1	27	52	467	.3	24	18	1639	5.61	9	5	ND	1	6	2.8	2	2	47	.19	.070	8	11	1.54	108	.13	3	2.06	.01	.29	1	1
L500S 200E	1	42	32	89	.4	16	9	309	3.87	44	5	ND	5	2	.2	2	2	21	.04	.049	19	8	.34	44	.06	2	.90	.01	.05	1	2
L500S 225E	1	136	18	125	.5	29	18	1654	6.56	66	5	ND	3	3	.4	2	6	86	.04	.069	12	25	.70	80	.08	2	1.39	.01	.06	1	1
L500S 250E	2	56	13	79	.4	18	12	1958	3.89	136	5	ND	4	3	.2	2	2	41	.01	.052	22	12	.41	224	.09	2	1.11	.01	.10	1	5
L500S 275E	2	42	16	75	.3	19	11	1609	3.74	73	5	ND	2	4	.4	2	2	50	.03	.044	20	12	.27	176	.10	3	.87	.01	.08	1	5
L500S 300E	2	48	40	103	.3	18	15	1172	5.04	69	5	ND	2	6	.6	2	3	47	.17	.061	16	15	.40	110	.09	2	1.03	.01	.12	1	3
L600S 300W	2	42	29	39	.1	11	5	169	3.95	12	5	ND	1	4	.6	2	2	39	.03	.101	19	16	.23	29	.17	6	1.70	.01	.03	1	2
L600S 275W	2	64	43	82	.3	25	24	772	3.75	18	5	ND	1	7	.5	2	2	33	.09	.078	60	21	.49	43	.06	4	1.97	.01	.06	1	1
L600S 250W	8	79	32	79	.3	85	26	294	10.73	9	5	ND	6	5	1.1	2	4	18	.07	.051	9	9	.14	17	.04	5	.99	.01	.02	1	1
L600S 225W	7	38	14	71	.2	42	14	244	6.10	4	5	ND	2	4	.6	2	2	35	.03	.032	15	8	.17	28	.07	2	1.12	.01	.02	1	1
L600S 200W	4	60	37	92	.2	63	37	3236	4.71	10	7	ND	1	9	.5	2	2	21	.24	.093	55	16	.57	69	.03	2	1.58	.01	.03	1	5
L600S 175W	2	122	71	98	.7	30	80	4795	2.31	12	8	ND	1	7	1.7	4	6	16	.13	.191	62	13	.36	52	.02	3	2.22	.01	.05	1	2
L600S 150W	1	36	12	69	.2	31	11	494	3.22	2	5	ND	1	5	.2	2	2	27	.03	.043	10	24	.72	20	.04	2	1.37	.01	.03	1	1
L600S 125W	1	28	8	81	.1	38	11	301	3.15	2	5	ND	3	4	.2	2	2	20	.04	.024	17	29	1.02	18	.05	2	2.29	.01	.02	1	3
L600S 100W	1	50	76	78	1.5	36	8	159	3.46	9	5	ND	2	6	.2	2	4	18	.08	.034	142	15	.39	37	.05	4	2.02	.01	.03	1	5
L600S 75W	1	36	29	74	.1	39	14	741	5.69	2	5	ND	2	5	.2	2	2	22	.04	.059	14	16	.46	27	.05	2	1.92	.01	.02	1	4
L600S 50W	2	52	38	85	.2	32	11	229	5.65	40	5	ND	1	6	.9	2	2	28	.04	.095	12	27	.40	18	.02	3	1.14	.01	.03	1	2
L600S 25W	1	20	41	78	.4	15	6	390	3.28	7	5	ND	2	6	.6	2	2	26	.06	.058	11	10	.23	28	.10	4	3.48	.01	.03	1	4
L600S 00W	1	15	17	77	.1	15	6	215	3.59	10	5	ND	2	3	.2	3	3	53	.01	.046	12	10	.20	25	.14	4	1.00	.01	.03	1	1
L600S 25E	1	20	38	164	.3	18	9	510	5.45	26	5	ND	2	5	1.6	3	4	25	.05	.073	12	10	.26	29	.06	2	1.50	.01	.03	1	4
L600S 50E	1	24	62	240	.3	24	11	988	3.97	27	5	ND	5	8	.4	4	2	22	.13	.079	14	8	.22	50	.07	4	2.09	.01	.03	1	10
L600S 75E	2	114	72	863	.4	21	9	301	6.29	32	5	ND	4	4	1.0	2	2	30	.02	.094	13	10	.20	29	.06	3	1.00	.01	.04	1	2
L600S 100E	1	27	32	160	.3	34	21	816	6.87	2	5	ND	2	15	2.1	2	2	78	.62	.055	7	21	2.48	54	.27	2	2.76	.01	.22	1	3
L600S 125E	1	26	544	385	1.1	30	12	2573	5.21	16	5	ND	1	22	3.6	2	8	17	1.16	.108	8	12	1.32	96	.05	5	1.36	.01	.08	1	6
L600S 150E	1	28	290	544	.6	23	13	3521	5.70	6	5	ND	1	10	2.5	3	10	20	.35	.130	9	11	.59	70	.04	5	1.23	.01	.07	1	6
STANDARD C/AU-S	18	58	38	131	6.7	70	31	1054	3.98	37	17	7	37	53	19.2	15	16	55	.52	.092	37	56	.90	181	.07	36	1.89	.06	.13	13	48

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
L600S 175E	1	24	206	395	.4	18	11	3199	5.28	32	5	ND	1	18	3.4	2	2	22	.78	.236	7	8	.70	91	.03	8	1.57	.01	.05	1	3
L600S 200E	1	20	50	111	.3	10	5	459	3.66	20	5	ND	1	3	.8	2	2	31	.05	.059	8	9	.29	96	.10	6	.71	.01	.04	1	4
L600S 225E	1	56	18	90	.7	13	7	520	4.15	16	5	ND	1	3	.2	2	2	47	.03	.043	8	15	.59	42	.09	6	1.23	.01	.05	1	1
L600S 250E	1	15	17	65	.3	9	3	129	3.54	7	5	ND	2	3	.2	2	2	29	.02	.024	9	8	.45	21	.11	6	1.06	.01	.05	1	2
L600S 275E	1	21	16	78	.3	9	5	908	3.28	7	5	ND	4	2	.5	2	2	24	.02	.042	9	9	.46	43	.11	6	1.38	.01	.06	1	1
L600S 300E	1	12	8	44	.1	7	3	138	2.06	9	5	ND	2	2	.4	2	2	21	.02	.026	8	6	.32	19	.08	4	.60	.01	.04	2	5
L700S 300W	1	112	27	76	.3	31	49	1393	3.32	15	19	ND	1	4	.2	2	2	27	.05	.061	128	20	.55	31	.05	6	1.97	.01	.03	1	1
L700S 275W	2	33	19	83	.1	40	13	540	5.12	15	5	ND	1	4	.4	4	2	26	.11	.051	9	9	.28	41	.05	7	.75	.01	.02	1	3
L700S 250W	2	25	14	36	.3	18	5	134	5.13	2	5	ND	2	4	.2	2	3	34	.01	.044	7	8	.11	34	.13	6	.84	.01	.01	2	2
L700S 225W	3	35	27	74	.1	30	18	736	4.29	19	7	ND	3	4	.3	2	2	31	.05	.047	65	14	.52	42	.10	7	1.48	.01	.02	1	1
L700S 200W	2	44	17	76	.1	21	13	1630	3.13	5	5	ND	1	3	.2	2	2	25	.02	.048	21	14	.53	35	.05	5	1.71	.01	.02	1	3
L700S 175W	1	15	14	67	.1	22	12	1416	3.03	4	5	ND	1	4	.3	2	2	23	.05	.051	9	13	.47	27	.03	5	1.05	.01	.02	1	1
L700S 150W	1	96	5	43	.1	20	6	139	1.24	2	5	ND	1	5	.2	2	2	12	.20	.058	17	14	.52	20	.02	3	.87	.01	.02	2	6
L700S 125W	1	34	19	73	.4	25	19	905	2.57	5	23	ND	1	6	.6	2	2	20	.09	.119	77	19	.51	23	.04	5	3.43	.01	.02	1	1
L700S 100W	1	19	51	45	.3	11	4	255	3.35	13	5	ND	1	4	.9	2	2	33	.03	.065	14	11	.36	23	.09	6	1.15	.01	.02	2	2
L700S 75W	1	44	46	68	.2	63	26	2373	5.94	7	5	ND	1	10	.9	2	3	15	.20	.121	12	10	.40	52	.02	6	.90	.01	.02	1	6
L700S 50W	1	43	27	46	.2	13	6	929	4.92	8	5	ND	3	5	.6	3	2	29	.03	.064	12	16	.27	36	.08	7	1.52	.01	.03	2	1
L700S 25W	1	46	17	53	.3	28	11	1720	4.30	9	5	ND	1	5	.2	2	2	25	.02	.080	10	15	.43	52	.05	7	1.08	.01	.02	1	1
L700S 00W	1	20	42	181	.1	17	6	255	5.08	14	5	ND	3	1	.5	2	2	24	.01	.035	8	11	.46	27	.06	6	1.30	.01	.02	1	14
L700S 25E	1	12	30	36	.3	6	2	138	3.30	9	5	ND	1	3	.4	2	2	25	.02	.056	6	10	.11	21	.07	5	2.57	.01	.01	2	2
L700S 50E	1	17	49	203	.1	17	8	829	4.32	31	5	ND	2	6	.3	3	2	20	.15	.159	8	6	.18	30	.06	7	.88	.01	.03	1	5
L700S 75E	1	14	19	39	.1	5	2	95	3.29	5	5	ND	1	3	.2	2	2	47	.02	.021	5	6	.12	25	.19	6	.86	.01	.02	2	5
L700S 100E	1	34	25	195	.1	21	11	600	5.09	3	5	ND	1	4	.4	3	3	32	.12	.029	6	13	1.00	59	.13	7	1.73	.01	.07	1	3
L700S 125E	1	29	364	413	.6	24	12	2748	4.24	14	5	ND	1	14	3.5	3	3	19	.40	.088	6	9	.83	90	.05	8	1.22	.01	.06	1	4
L700S 150E	1	26	248	311	.1	15	18	3760	4.73	11	5	ND	1	5	1.4	2	2	22	.10	.128	6	9	.56	52	.04	8	1.08	.01	.05	1	1
L700S 175E	1	24	80	154	.1	11	8	1096	3.77	10	5	ND	1	5	1.0	2	2	32	.17	.050	6	8	.31	40	.08	7	1.26	.01	.03	1	1
L700S 200E	2	16	37	73	.1	6	3	386	3.32	12	5	ND	1	4	.2	2	2	35	.04	.027	6	6	.18	34	.13	6	.79	.01	.03	1	1
L700S 225E	1	14	27	65	.1	6	3	855	2.31	4	5	ND	1	4	.3	2	2	37	.04	.019	6	6	.19	76	.14	5	.67	.01	.03	1	7
L700S 250E	1	25	16	35	.1	7	3	303	2.42	17	5	ND	2	2	.2	2	2	22	.02	.022	10	5	.17	23	.07	5	.49	.01	.04	2	1
L700S 275E	4	73	35	73	.2	17	17	2615	4.59	25	5	ND	2	4	.5	3	2	18	.03	.053	8	8	.51	63	.07	8	1.08	.01	.11	1	7
L700S 300E	2	22	24	58	.1	7	6	1406	3.41	9	5	ND	3	4	.3	2	2	20	.06	.049	7	6	.46	126	.12	6	.90	.01	.13	1	6
L800S 300W	3	49	15	80	.1	57	15	248	5.74	3	5	ND	2	2	.4	2	2	25	.02	.049	8	8	.18	30	.07	6	.77	.01	.02	1	2
L800S 275W	2	19	15	36	.1	17	4	93	3.74	7	5	ND	1	2	.2	2	2	36	.01	.028	4	8	.16	21	.16	6	.77	.01	.01	1	10
L800S 250W	3	33	13	47	.1	32	8	300	4.37	4	5	ND	1	3	.2	2	2	26	.04	.054	5	7	.16	31	.08	7	.83	.01	.02	2	3
L800S 225W	3	49	18	63	.3	36	19	2972	3.66	10	13	ND	1	6	.2	2	2	21	.12	.064	187	12	.41	46	.06	6	1.69	.01	.03	1	3
L800S 200W	1	8	38	74	.1	23	11	2666	2.35	9	5	ND	1	4	.4	2	2	17	.08	.063	7	14	.56	55	.02	4	.84	.01	.02	1	2
STANDARD C/AU-S	18	60	38	131	6.8	71	32	1049	3.98	38	22	7	38	53	18.4	14	21	56	.52	.093	37	56	.90	181	.09	38	1.89	.06	.14	11	48

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
L800S 175N	1	19	19	32	.2	10	3	57	1.24	3	5	ND	1	3	.5	2	2	17	.03	.039	12	7	.15	36	.05	2	1.54	.01	.02	1	5
L800S 150N	1	4	42	23	.1	8	6	1785	2.42	3	5	ND	1	3	.9	2	2	16	.07	.050	12	7	.13	19	.03	2	1.09	.01	.02	1	1
L800S 125N	1	20	20	49	.2	21	7	219	3.52	16	5	ND	3	5	.3	2	2	20	.06	.031	11	13	.45	48	.05	2	1.06	.01	.02	2	2
L800S 100N	1	29	176	60	.1	26	15	1738	4.45	27	5	ND	1	9	1.9	5	2	19	.09	.070	7	9	.25	58	.03	2	.81	.01	.02	1	1
L800S 75N	1	17	32	60	.7	29	13	1313	3.18	10	5	ND	2	7	.6	2	2	23	.11	.054	18	9	.22	30	.09	2	2.97	.01	.03	1	34
L800S 50N	1	41	41	79	.1	55	21	1318	5.51	5	5	ND	4	3	.2	2	2	15	.02	.073	13	13	.39	30	.04	2	1.43	.01	.02	1	1
L800S 25N	1	30	37	55	.3	44	15	407	6.13	14	5	ND	2	4	.4	2	2	25	.02	.062	5	16	.32	33	.05	3	.97	.01	.01	1	1
L800S 00N	1	38	22	88	.2	51	18	1373	6.05	12	5	ND	3	3	.2	2	2	15	.01	.094	6	10	.27	26	.04	2	.99	.01	.01	1	1
L800S 25E	2	28	32	108	.4	32	14	984	5.28	8	6	ND	5	2	.2	2	2	15	.01	.068	8	5	.15	27	.04	2	.85	.01	.02	1	6
L800S 50E	1	9	56	207	.5	17	12	881	4.73	8	5	ND	2	11	1.0	2	2	21	.29	.086	7	11	1.04	65	.06	2	1.48	.01	.04	1	5
L800S 75E	1	12	32	90	.1	13	7	284	4.55	8	5	ND	4	3	.6	2	2	43	.02	.028	5	13	.51	42	.18	2	1.94	.01	.04	1	4
L800S 100E	1	26	89	255	.1	24	17	875	5.40	7	5	ND	2	8	1.0	2	2	40	.21	.040	8	11	1.27	84	.15	3	1.99	.01	.09	1	1
L800S 125E	1	18	232	287	.6	15	10	852	3.60	12	5	ND	1	4	.8	2	4	19	.07	.044	8	8	.49	46	.06	2	1.71	.01	.04	1	1
L800S 150E	1	27	35	159	.1	20	9	206	3.20	17	5	ND	6	2	.2	2	2	14	.05	.058	11	10	.65	41	.05	2	1.70	.01	.08	1	4
L800S 175E	7	26	262	132	.6	9	7	641	4.28	11	5	ND	3	5	.2	2	3	16	.01	.089	9	9	.36	68	.05	3	1.58	.01	.05	1	2
L800S 200E	2	46	46	114	.2	17	20	4088	4.12	29	5	ND	1	6	.4	3	3	12	.13	.105	8	6	.40	115	.03	3	1.06	.01	.12	1	5
L800S 225E	2	39	45	82	.3	18	12	1100	3.62	31	5	ND	3	3	.2	2	2	17	.01	.055	14	8	.36	52	.06	2	1.16	.01	.11	1	1
L800S 250E	2	18	29	36	.4	7	5	163	4.35	15	5	ND	4	3	1.9	3	2	38	.03	.033	4	7	.10	30	.22	2	1.40	.01	.03	2	4
L800S 275E	3	55	72	73	.5	18	25	4113	4.77	42	5	ND	4	3	.2	3	8	10	.03	.059	12	5	.47	79	.06	2	1.05	.01	.23	1	1
L800S 300E	2	38	18	60	.4	11	10	1041	4.08	34	5	ND	5	2	.2	2	5	11	.01	.040	13	5	.32	46	.06	2	.83	.01	.11	1	3
STANDARD C/AU-S	18	60	37	130	6.7	71	31	1054	3.98	40	18	6	37	53	19.0	20	16	55	.52	.093	38	56	.90	180	.07	35	1.89	.06	.14	11	48

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT LAPOINTE File # 90-4790 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9 Submitted by: LYNEA CARLSON

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L200N 300W	1	15	17	61	.5	21	7	419	3.33	13	5	ND	1	6	.8	2	2	20	.01	.060	10	18	.57	25	.03	3	1.30	.01	.05	1	2
L200N 275W	1	24	9	93	.3	34	11	601	4.35	16	5	ND	3	5	.9	4	2	19	.02	.071	12	30	.96	43	.03	2	2.00	.01	.10	1	1
L200N 250W	1	25	39	94	.4	32	10	483	4.28	19	5	ND	3	5	1.5	2	2	18	.03	.060	13	29	.97	43	.02	2	2.00	.01	.09	1	1
L200N 225W	1	26	23	77	.3	27	9	299	4.56	15	5	ND	2	5	.5	2	2	21	.02	.061	12	26	.73	36	.03	4	1.62	.01	.08	1	2
L200N 200W	1	27	18	90	.3	32	10	430	4.72	18	5	ND	3	6	.7	4	2	19	.03	.066	17	28	.83	51	.02	3	1.83	.01	.09	1	1
L200N 175W	1	25	19	86	.1	36	15	627	3.78	14	5	ND	3	6	.2	3	2	15	.04	.049	36	25	.87	41	.02	3	1.89	.01	.07	1	1
L200N 150W	1	24	24	71	.6	21	14	1107	3.39	7	5	ND	1	4	.7	3	2	22	.03	.057	16	17	.49	30	.04	4	1.58	.01	.04	1	1
L200N 125W	1	27	19	85	.2	34	14	671	4.02	12	5	ND	2	5	.6	2	2	17	.03	.057	25	26	.81	40	.02	2	1.95	.01	.08	1	1
L200N 100W	1	22	23	80	.2	31	12	517	3.81	10	5	ND	1	6	.2	2	2	17	.05	.049	22	22	.74	49	.02	2	1.71	.01	.07	1	1
L200N 75W	1	26	19	72	.2	26	9	450	3.96	11	5	ND	2	5	.7	3	2	19	.03	.040	25	22	.70	42	.04	5	1.94	.01	.07	1	1
L200N 50W	1	24	24	84	.6	29	10	371	4.71	16	5	ND	4	9	1.1	2	2	20	.10	.039	17	26	.77	46	.04	3	1.95	.01	.07	1	1
L200N 25W	1	25	12	72	.3	21	10	447	3.90	9	5	ND	2	9	1.1	2	5	24	.09	.045	28	17	.47	45	.05	4	1.30	.01	.06	1	2
L200N 00W	1	23	18	72	.1	29	11	471	3.78	16	5	ND	3	4	.7	2	3	19	.03	.036	36	21	.64	43	.03	2	1.67	.01	.06	1	1
STANDARD C/AU-S	19	59	38	131	6.7	70	31	1053	3.93	45	17	7	38	52	18.2	15	18	56	.47	.092	36	56	.90	180	.07	36	1.89	.06	.14	11	46

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1 SOIL P2 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 25 1990 DATE REPORT MAILED: Sept 29/90 SIGNED BY.........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT LAPOINTE File # 90-4795 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9 Submitted by: LYNEA CARLSON

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L500N 300W	1	34	17	48	.4	13	4	250	3.40	5	5	ND	2	6	.5	2	2	23	.04	.044	22	14	.34	38	.05	2	1.89	.01	.04	1	2
L500N 275W	1	43	25	76	.4	24	10	441	4.46	7	5	ND	3	5	.4	2	2	25	.03	.045	27	20	.72	43	.06	2	2.25	.01	.07	1	1
L500N 250W	1	42	21	62	.6	17	5	172	3.31	4	5	ND	3	5	.2	2	2	22	.03	.055	26	15	.39	38	.05	2	2.06	.01	.04	1	2
L500N 225W	1	30	40	63	.4	17	7	329	3.60	12	5	ND	2	5	.5	2	2	24	.03	.055	19	15	.45	40	.05	3	1.65	.01	.05	1	1
L500N 200W	1	45	18	68	.3	20	10	392	3.47	8	5	ND	1	5	.2	2	2	21	.02	.066	36	18	.56	41	.02	3	2.14	.01	.05	1	1
L500N 175W	1	31	11	86	.2	34	9	378	4.24	11	5	ND	4	3	.2	2	2	19	.02	.039	18	25	1.13	42	.02	8	2.09	.01	.08	1	2
L500N 150W	2	31	24	56	.6	17	6	198	3.53	14	5	ND	2	7	.8	2	2	25	.06	.048	15	15	.40	39	.07	3	1.21	.01	.04	1	1
L500N 125W	2	29	23	77	.4	22	15	586	3.84	8	5	ND	2	9	.2	2	2	22	.11	.055	32	19	.66	37	.04	3	1.87	.01	.06	1	3
L500N 100W	1	32	19	100	.5	24	14	945	3.27	9	5	ND	2	21	.7	2	2	18	.47	.084	47	19	.58	37	.02	2	2.05	.01	.05	1	4
L500N 75W	2	27	26	78	.5	21	11	949	2.94	8	5	ND	1	18	.4	2	2	16	.40	.090	35	17	.57	35	.02	2	1.73	.01	.06	1	2
L500N 50W	1	25	13	79	.4	27	11	570	3.68	4	5	ND	3	9	.2	2	2	19	.15	.048	24	21	.85	39	.03	2	1.86	.01	.06	1	2
L500N 25W	2	20	19	61	.5	19	8	568	3.23	8	5	ND	2	12	.6	2	2	23	.26	.056	18	16	.51	33	.05	3	1.30	.01	.05	1	4
L500N 00	1	28	20	49	.3	21	6	278	3.57	8	5	ND	3	5	.2	2	2	22	.06	.068	22	15	.48	19	.03	2	1.17	.01	.04	1	1
L400N 00	2	50	20	55	.3	17	6	223	4.17	5	5	ND	4	4	.3	2	2	31	.03	.043	29	21	.27	21	.09	7	2.80	.01	.03	1	1
L400N 25E	1	50	20	53	.6	17	5	296	3.44	6	5	ND	2	3	.2	2	2	24	.02	.051	22	16	.36	32	.06	2	1.74	.01	.02	1	8
L400N 50E	1	25	17	64	.4	20	6	291	4.57	7	5	ND	2	5	.2	2	2	27	.03	.039	14	17	.50	30	.06	7	1.32	.01	.03	1	2
L400N 75E	1	21	24	84	1.1	26	7	325	3.87	6	5	ND	3	3	.2	2	2	20	.03	.039	14	22	.94	29	.03	6	1.66	.01	.05	1	1
L400N 100E	1	24	25	102	1.2	21	9	922	4.38	5	5	ND	2	4	.2	2	2	26	.02	.063	15	18	.45	41	.05	4	1.54	.01	.04	1	3
L400N 125E	1	15	21	60	.6	13	5	532	3.16	6	5	ND	2	4	.2	2	2	28	.03	.045	10	11	.29	38	.08	3	.93	.01	.04	1	4
L400N 150E	1	26	26	103	.5	24	9	357	3.79	8	5	ND	6	3	.2	2	2	18	.03	.035	15	15	.70	41	.05	3	1.61	.01	.05	1	1
L400N 175E	1	21	36	99	.1	18	10	443	4.21	7	5	ND	3	4	.2	2	2	26	.05	.036	9	14	.49	58	.08	4	1.13	.01	.04	1	3
L400N 200E	1	30	89	349	.1	28	14	4157	3.80	8	5	ND	1	22	1.3	2	2	24	.70	.101	16	15	.65	117	.04	6	1.59	.01	.04	1	2
L400N 225E	1	31	52	166	.1	27	14	1727	4.12	6	5	ND	2	4	.3	2	2	22	.09	.062	15	16	.73	113	.04	4	1.46	.01	.06	1	1
L400N 250E	1	24	34	172	.4	21	11	2353	3.65	4	5	ND	2	7	.2	2	2	23	.07	.049	11	13	.40	192	.06	2	1.23	.01	.05	1	1
L400N 275E	1	33	50	149	.2	30	13	969	4.05	8	5	ND	6	4	.2	2	2	20	.06	.045	19	17	.98	66	.06	2	1.78	.01	.08	1	3
L400N 300E	1	25	87	156	.4	17	33	2011	2.66	10	5	ND	1	17	1.7	2	2	18	.34	.101	13	13	.28	143	.02	4	1.14	.01	.05	1	2
L100N 300W	2	20	11	50	.3	11	4	163	3.74	4	5	ND	4	4	.3	2	2	37	.02	.034	10	11	.28	37	.11	2	1.78	.01	.03	1	1
L100N 275W	1	37	12	68	.2	30	13	819	4.23	27	5	ND	5	4	.2	2	2	28	.02	.054	17	20	.76	30	.05	2	1.86	.01	.04	1	2
L100N 250W	1	34	24	73	.3	22	20	1188	3.57	15	5	ND	1	4	1.2	3	2	23	.02	.073	21	28	.94	30	.02	4	1.86	.01	.03	1	1
L100N 225W	1	98	11	82	.3	28	8	379	3.49	15	5	ND	3	4	1.6	2	2	22	.02	.056	45	26	1.00	28	.02	4	1.93	.01	.03	1	1
L100N 200W	3	72	17	77	.5	56	30	1022	5.32	23	5	ND	4	3	.2	2	2	23	.01	.063	17	19	.82	29	.02	2	1.86	.01	.03	1	1
L100N 175W	3	73	24	83	.4	59	42	1499	4.69	5	5	ND	3	6	.2	2	2	20	.05	.090	38	17	.66	36	.02	2	1.63	.01	.04	1	1
L100N 150W	4	59	19	81	.4	55	21	533	4.47	9	5	ND	3	6	.2	2	2	22	.07	.050	62	16	.76	31	.03	8	1.51	.01	.04	1	4
L100N 125W	2	33	22	105	.3	43	20	1529	4.61	8	5	ND	2	8	.2	2	2	25	.12	.075	22	23	.67	36	.03	4	1.82	.01	.04	1	4
L100N 100W	1	32	12	104	.3	41	24	1631	5.44	6	5	ND	2	5	.2	2	2	26	.05	.074	16	29	.82	40	.03	4	1.76	.01	.04	1	3
L100N 75W	1	17	14	64	.4	18	6	301	3.29	13	5	ND	4	4	.2	2	2	26	.07	.042	9	15	.45	29	.06	2	.90	.01	.04	1	5
STANDARD C/AU-S	19	59	37	131	6.8	70	31	1054	3.96	43	19	7	40	53	18.9	14	19	56	.47	.090	36	57	.92	181	.08	31	1.90	.06	.14	13	54

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL

DATE RECEIVED: SEP 25 1990 DATE REPORT MAILED: Sept 29/90 SIGNED BY.......D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L100N 50W	2	38	22	83	.5	30	9	616	5.49	15	5	ND	4	4	.4	2	2	29	.03	.056	11	24	.69	39	.05	2	1.66	.01	.03	1	2
L100N 25W	2	81	98	98	.2	94	54	3441	10.65	68	5	ND	7	6	1.2	2	4	28	.10	.103	47	24	.17	32	.03	2	2.64	.01	:01	1	1
L100N 00	1	36	36	90	.6	32	9	322	5.31	122	5	ND	5	4	.5	2	2	25	.03	.045	17	18	.48	25	.06	2	1.67	.01	.03	1	1
L100N 25E	1	18	21	86	.4	17	6	239	3.39	10	5	ND	4	3	.2	2	2	25	.02	.038	14	12	.40	15	.05	2	.89	.01	.03	1	4
L100N 50E	1	36	56	132	.7	18	10	568	3.80	5	5	ND	8	5	.5	2	2	33	.04	.049	15	20	.65	34	.11	2	3.36	.01	.06	1	1
L500S 300W	3	40	36	97	.2	29	13	810	3.60	22	5	ND	3	9	.8	2	2	29	.11	.113	13	26	.61	58	.05	2	1.99	.01	.04	1	4
L500S 275W	6	48	16	132	.3	43	18	1480	3.49	17	5	ND	3	22	.6	2	2	33	.56	.130	63	23	.59	56	.03	2	2.20	.01	.06	1	2
L500S 250W	3	69	71	109	.5	47	14	472	5.11	48	5	ND	4	7	.5	3	2	42	.04	.066	24	32	.92	29	.06	2	2.10	.01	.05	1	2
L500S 225W	5	24	25	75	.1	20	17	1384	3.22	5	5	ND	2	9	.4	2	2	37	.11	.045	45	16	.26	44	.10	2	1.63	.01	.05	1	2
L500S 200W	4	58	14	103	.5	47	21	957	3.49	6	5	ND	2	10	.2	2	2	31	.18	.133	59	22	.59	38	.04	2	2.66	.01	.04	1	1
L500S 175W	5	73	16	104	.1	84	21	296	8.18	26	5	ND	7	3	.2	2	2	22	.02	.063	12	13	.50	17	.02	2	1.10	.01	.02	1	2
L500S 150W	1	20	44	76	.3	25	9	518	3.28	15	5	ND	2	5	.3	2	2	35	.03	.044	13	20	.61	34	.09	2	1.45	.01	.04	1	1
L500S 125W	1	21	26	82	.2	22	6	307	3.22	5	5	ND	1	8	.6	2	2	34	.08	.052	10	21	.65	49	.07	2	1.47	.01	.04	1	1
L500S 100W	1	62	22	99	.1	75	19	631	7.87	58	5	ND	9	6	.2	2	2	37	.05	.167	11	42	1.15	20	.06	2	2.08	.01	.02	1	1
L500S 75W	1	20	27	54	.1	9	3	543	3.63	15	5	ND	2	5	1.5	2	2	33	.04	.094	6	13	.23	27	.11	2	3.08	.01	.03	1	2
L500S 50W	2	33	34	76	.2	24	7	551	6.37	15	5	ND	9	6	.2	2	2	41	.03	.160	8	26	.41	29	.13	2	2.93	.01	.03	1	1
L500S 25W	1	48	37	88	.2	58	19	1181	5.89	8	5	ND	3	5	.2	2	2	23	.05	.130	13	20	.60	21	.03	2	1.67	.01	.02	1	1
L500S 00	1	11	31	37	.2	5	2	150	2.93	5	5	ND	1	4	.5	2	2	30	.01	.046	10	9	.17	18	.07	2	1.01	.01	.04	1	3
STANDARD C/AU-S	19	63	37	131	6.8	71	31	1053	3.98	41	18	7	38	52	18.7	15	18	61	.48	.097	40	58	1.01	182	.08	34	1.89	.06	.14	11	47

APPENDIX 1V

Statement of Work

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
MINERAL RESOURCES DIVISION — TITLES BRANCH

DOCUMENT No. 391
OFFICE USE ONLY

PAID
SEP 21 1990 12:02
GOVERNMENT AGENT CRANBROOK
AMOUNT $ 1010.00
TRANS. # 53
RECORDING STAMP

Mineral Tenure Act
Sections 25, 26 & 27

STATEMENT OF WORK — CASH PAYMENT

Indicate type of title MINERAL (Mineral or Placer)

Mining Division Fort Steele & Slocan

I, MICHAEL BAPTY (Name)
606 TRAIL STREET (Address)
KIMBERLEY, B. C.
427-7631 OR 426-6277 (Telephone) V1A 2M2 (Postal Code)
Valid subsisting FMC No. (89) 283268
(90) 211652
FMC Code BAPTMB

Agent for SOUTH KOOTENAY GOLDFIELDS INC. (Name)(s)
305 - 675 W. HASTINGS ST. (Address)
VANCOUVER, B. C.
669-0115 (Telephone) V6B 1N2 (Postal Code)
Valid subsisting FMC No (89) 280796
(90) 290759
FMC Code SOUKOG

STATE THAT: **(NOTE: If only paying cash in lieu, turn to reverse and complete columns G to J and Q to T).**

I have done, or caused to be done, work on the BOB & ROSE Claim(s)

Record No(s). 3618, 6124

Work was done from JULY 1, 19 90, to SEPTEMBER 20, 19 90;

and was done in compliance with Section 50 of the Mineral Tenure Act and

Section 19(3) of the Regulation YES [X] NO [ ] Letter Permit June 25/90, Min.E.M.P.R.

I hereby request that the claims listed in Column G on this Statement of Work be Grouped and I confirm that all claims listed are contiguous YES [X] NO [ ]

FEE — $10,00

TYPE OF WORK

PHYSICAL: Work such as trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails. Details as required under section 13 of the Regulations, including the map and cost statement, must be given on this statement.

PROSPECTING: Details as required under section 9 of the Regulations must be submitted in a technical report. Prospecting work can only be claimed once by the same owner of the ground, and only during the first three years of ownership.

GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL, DRILLING: Details must be submitted in a technical report conforming to sections 5 through 8 (as appropriate) of the Regulations.

PORTABLE ASSESSMENT CREDIT (PAC) WITHDRAWAL: A maximum of 30% of the approved value of geological, geophysical, geochemical and/or drilling work on this statement may be withdrawn from the owner's or operator's PAC account and added to the work value on this statement.

TYPE OF WORK	VALUE OF WORK			
(Specify Physical (include details), Prospecting, Geological, etc.)	Physical	*Prospecting	*Geological etc.	
GEOCHEMICAL			5,765.00	
(REPORT TO FOLLOW WITHIN 90 DAYS)				
TOTALS	A +	B +	C =	D
PAC WITHDRAWAL — Maximum 30% of Value in Box C Only			E →	E
from account(s) of			TOTAL	F 5,765.00

* Who was the operator (provided the financing)?

Name SOUTH KOOTENAY GOLDFIELDS
Address 305-675 W. HASTINGS ST.
VANCOUVER, B.C. Phone: 669-0115

Transfer amount in Box F to reverse side of form and complete as required.

5,765.00	I WISH TO APPLY $ 3,600.00 OF THE TOTAL VALUE FROM BOX F AS FOLLOWS:

Columns G through P inclusive MUST BE COMPLETED before work credits can be granted to claims. Columns G through J and Q through T inclusive MUST BE COMPLETED before a cash payment or rental payment can be credited. Columns not applicable need not be completed.

Cash Payment

CLAIM IDENTIFICATION				APPLICATION OF WORK CREDIT					
G	H	I	J	K	L	M	N	O	P
				WORK TO BE APPLIED					
CLAIM NAME (one claim/lease per line)	RECORD No.	No. OF UNITS*	CURRENT EXPIRY DATE	VALUE	YEARS	Recording Fees	PRIOR EXCESS CREDIT BEING USED	NEW EXPIRY DATE	EXCESS CREDIT REMAINING
BOB	3613	12	09/21/90	2,400.00	2	120.00		09-21-92	
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]		[redacted]	
				$3,600.00		$180.00			
				TOTAL OF K		TOTAL OF M			

CASH IN LIEU OF WORK OR LEASE RENTAL			
Q	R	S	T
C/L	RECORDING FEE	LEASE RENTAL	NEW EXPIRY DATE
TOTAL OF Q	TOTAL OF R	TOTAL OF S	

NOTICE TO GROUP No. 108 RECORDED Sept. 21/90.

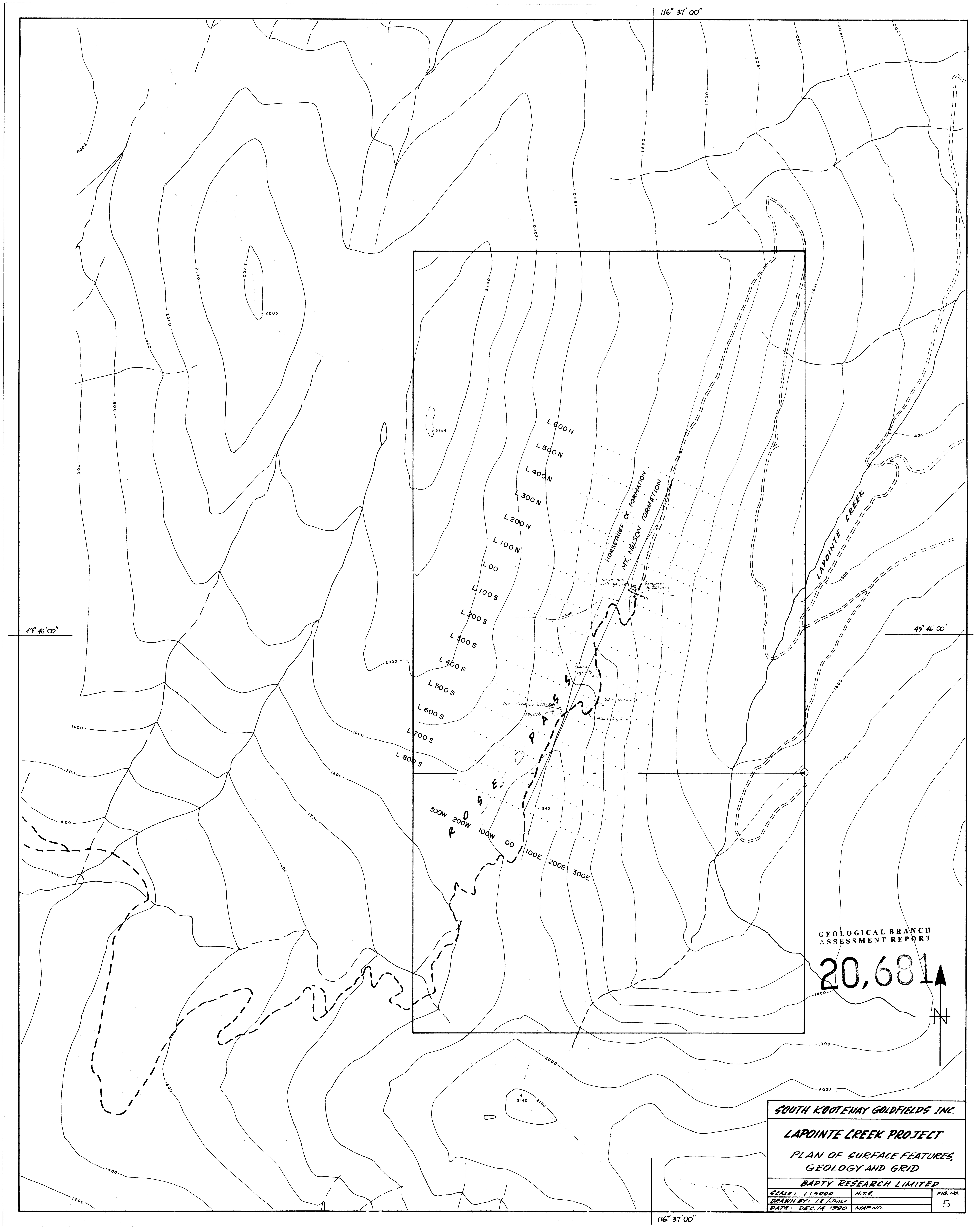
*2 POST, FRACTION, REV. CROWN GRANT AND PLACER CLAIM ARE 1 UNIT EACH

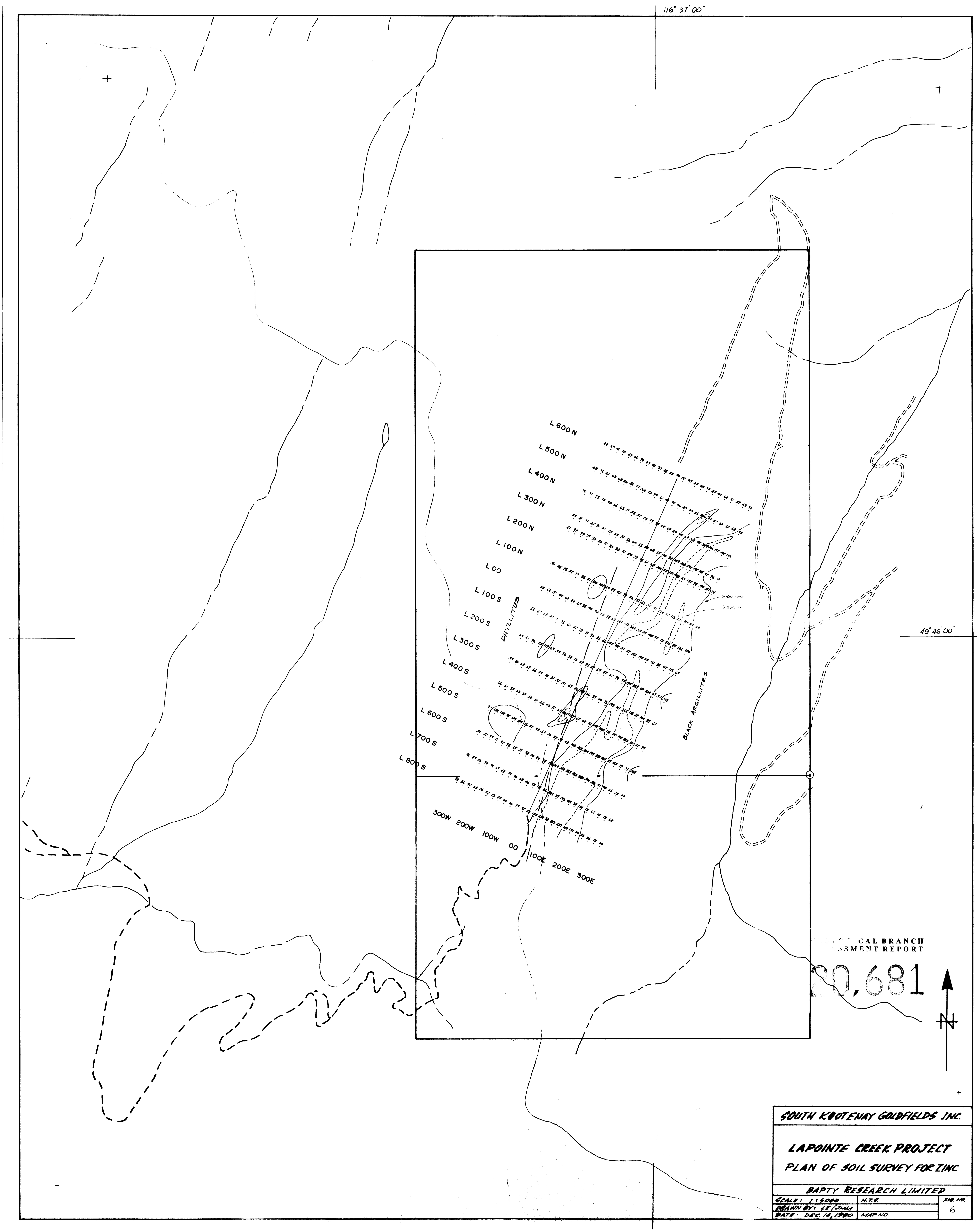
Value of work to be credited to portable assessment credit (PAC) account(s).
[May only be credited from the approved value of Box C not applied to claims.]

Name of owner/operator	Name	Amount
1.	SOUTH KOOTENAY GOLDFIELDS	BALANCE
2.		
3.		

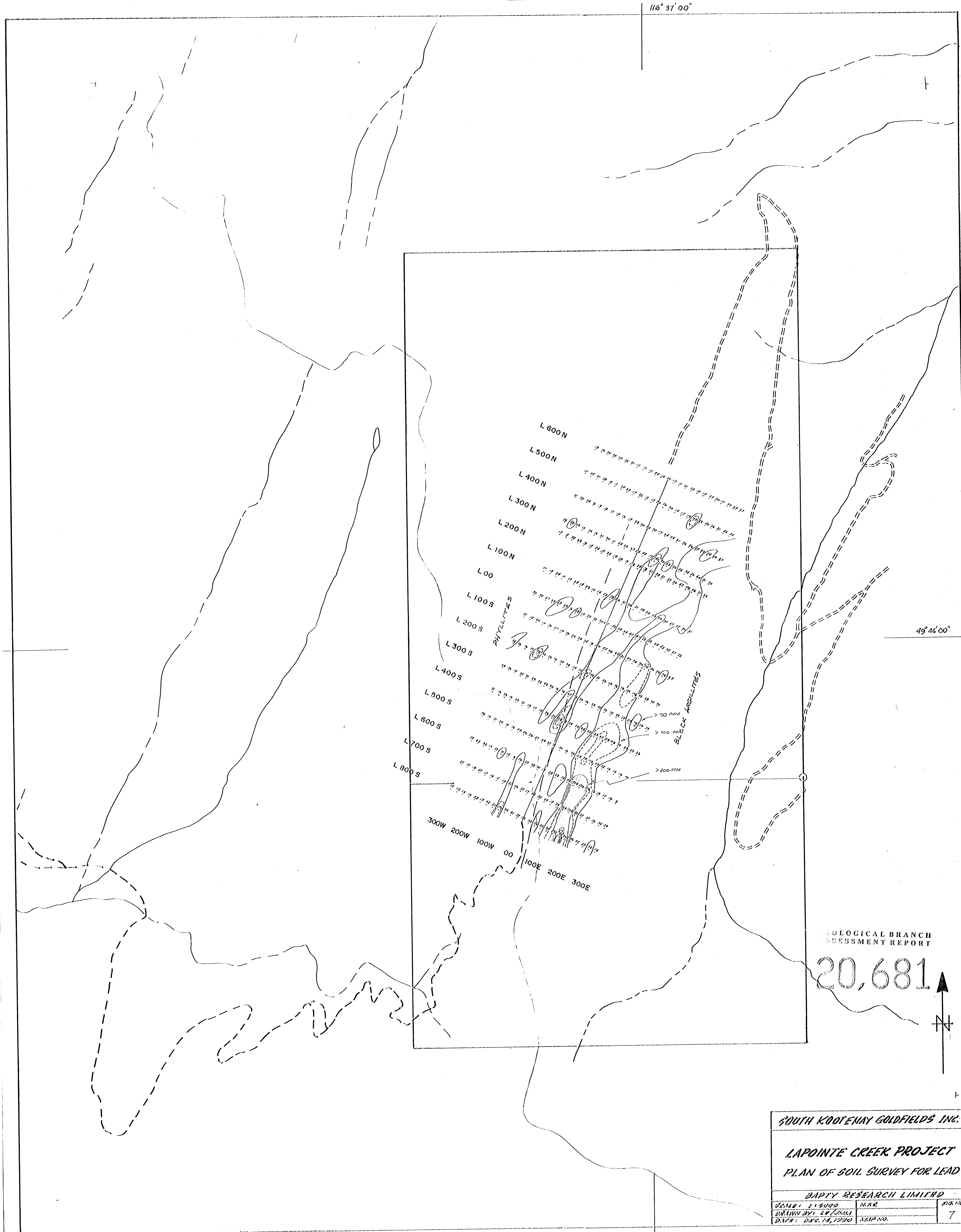
I, the undersigned Free Miner, hereby acknowledge and understand that it is an offence to knowingly make a false statement or provide false information under the Mineral Tenure Act. I further acknowledge and understand that if the statements made, or information given, in this Statement of Work — Cash Payment are found to be false and the exploration and development has not been performed, as alleged in this Statement of Work — Cash Payment, then the work reported on this statement will be cancelled and the subject mineral claim(s) may as a result forfeit to and vest back to the Province.

Signature of Applicant


116° 37' 00"
49° 46' 00"
49° 46' 00"
L 600 N
L 500 N
L 400 N
L 300 N
L 200 N
L 100 N
L 00
L 100 S
L 200 S
L 300 S
L 400 S
L 500 S
L 600 S
L 700 S
L 800 S
300W 200W 100W 00 100E 200E 300E
HORSETHIEF CK. FORMATION
MT. NELSON FORMATION
ROSE PASS
LAPOINTE CREEK
Black Argillite
White Dolomite
Black Argillite
Phyllite
2205
2144
1943
2142
N
GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,681
SOUTH KOOTENAY GOLDFIELDS INC.
LAPOINTE CREEK PROJECT
PLAN OF SURFACE FEATURES, GEOLOGY AND GRID
BAPTY RESEARCH LIMITED
SCALE: 1:5000
N.T.S.
DRAWN BY: LB/JMM
DATE: DEC. 14 1990
MAP NO.
FIG. NO.
5



116° 37' 00"
49° 46' 00"
L 600 N
L 500 N
L 400 N
L 300 N
L 200 N
L 100 N
L 00
L 100 S
L 200 S
L 300 S
L 400 S
L 500 S
L 600 S
L 700 S
L 800 S
300W 200W 100W 00 100E 200E 300E
PHYLLITES
BLACK ARGILLITES
>100 ppm
>200 ppm
CAL BRANCH
SSMENT REPORT
20,681
N
SOUTH KOOTENAY GOLDFIELDS INC.
LAPOINTE CREEK PROJECT
PLAN OF SOIL SURVEY FOR ZINC
BAPTY RESEARCH LIMITED
SCALE: 1:5000
N.T.S.
FIG. NO.
6
DRAWN BY: LE/JMM
DATE: DEC. 14, 1990
MAP NO.



GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,681

SOUTH KOOTENAY GOLDFIELDS INC.

LAPOINTE CREEK PROJECT

PLAN OF SOIL SURVEY FOR LEAD

BAPTY RESEARCH LIMITED

SCALE: 1:5000	N.T.S.	FIG. NO.
DRAWN BY: LV/JMJ		7
DATE: DEC. 14, 1990	MAP NO.	