BAPTY RESEARCH LIMITED
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A SUMMARY OF RECONNAISSANCE GEOLOGICAL MAPPING & ROCK CHIP SAMPLING COMPLETED ON THE

DRAGOON NO. 1 AND NO. 2 MINERAL CLAIM

FORT STEELE MINING DIVISION

82 G/13E

49° 54' North Latitude

115° 29' West Longitude

Prepared for

SOUTH KOOTENAY GOLDFIELDS INC.

By

W. KIESMAN, GEOLOGIST

OCTOBER, 1989

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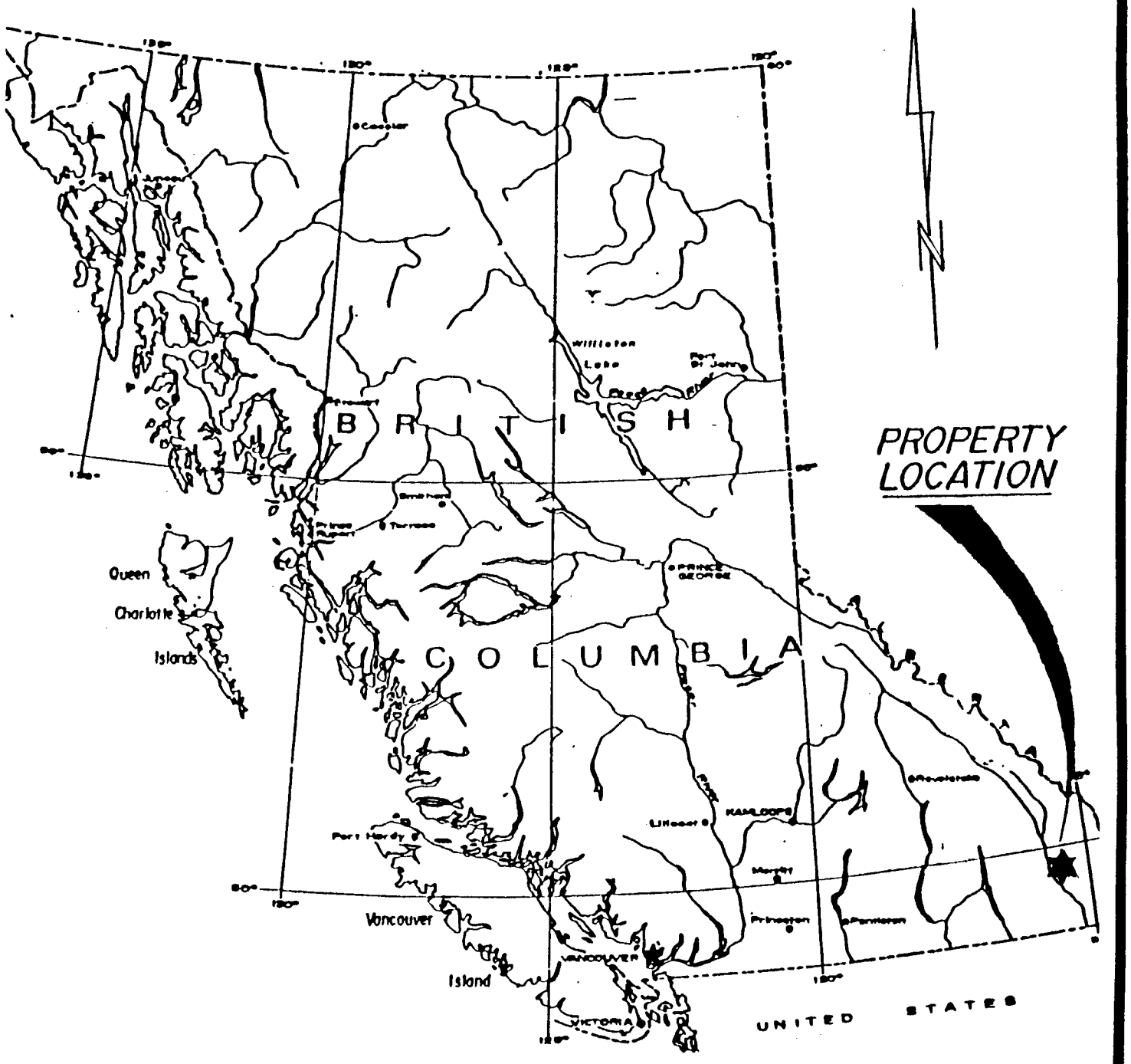
1.00 INTRODUCTION

The Dragoon No. 1 & 2 mineral claim is situated in the Fort Steele Mining Division and is centered approximately 45 air kilometers northeast of Cranbrook, in south eastern B.C. (Fig. 1).

South Kootenay Goldfields Inc. is the registered owner of Dragoon No. 1 & 2 mineral claims comprising a total of 32 units (Fig. 2).

The Dragoon No. 1 & 2 mineral claims are underlain by weakly deformed group of Upper Proterozoic and Lower Cambrian sediments and volcanics. These lithologies are intruded to the east by a Cretaceous monzonite stock.

During the period Sept. 4 - Sept. 27/89, a program of geological mapping, heavy mineral geochemistry and prospecting were conducted. In addition, 98 rock chip samples were taken during the course of the program. The objective of the program was to assess the potential of chalcopyrite - tetrahedrite replacement style mineralization found in Jubilee Formation limestones.



SCALE

100 0 100 400 km

0 200 miles

Bapty Research Ltd., 901 Industrial Rd. No.2
Cranbrook, B.C. (604) 426-6277

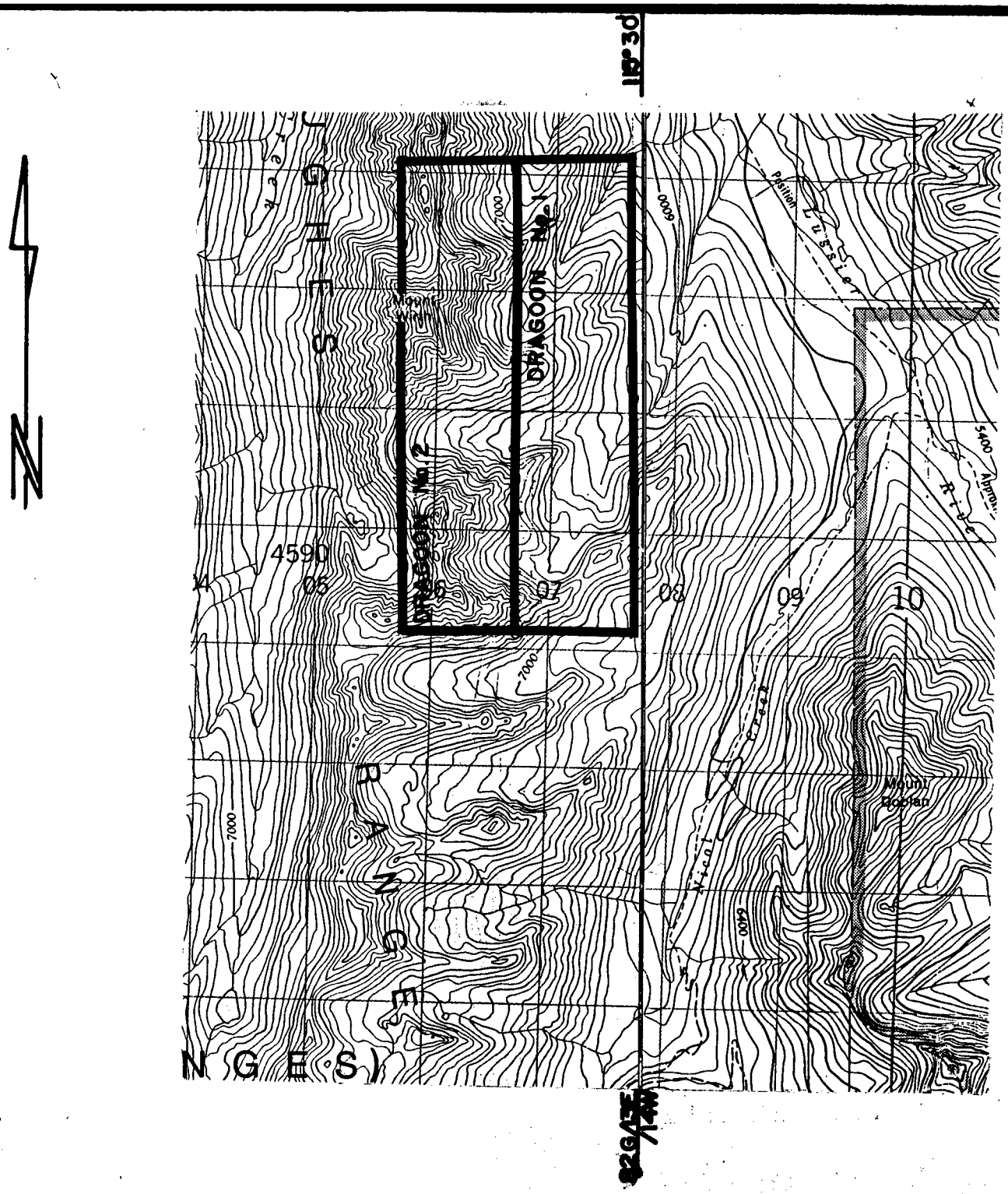
SOUTH KOOTENAY GOLDFIELDS INC.

LOCATION MAP

DRAGOON No.1 & 2 MINERAL CLAIMS

N.T.S. :82 G/13 E
SCALE: 1:2,500,000
M.D. :Ft. Steele
FIG. :1

DATE: Oct/89
DRAWN: B.K.



SCALE

0 500 2000 3000

metres

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Cranbrook, B.C. (604) 426-6277

[redacted]

CLAIM MAP

DRAGOON No.1 & 2 MINERAL CLAIMS

N.T.S. :82 G/13E //14W
SCALE: 1:50,000
REC. :Fr. Steele
PTS. :2

DATE: Oct/89
DRAWN: B.K.

2.00 LOCATION AND ACCESS

The Dragoon No. 1 & 2 mineral claims are located in the Fort Steele Mining Division, 45 air kilometers northeast of Cranbrook, B.C. Cranbrook is a regional supply center found 510 air kilometers east of Vancouver, B.C.

These claims are geographically situated at 115^{o} 29' West longitude and 49^{o} 54' North latitude. Elevations range from 9,000 feet (2743 m) on the Mount Wirth summit to 5,500 feet (1676m) on the Lussier River valley bottom.

Road access to the Dragoon No. 1 & 2 mineral claims is via Highway 95A North from Cranbrook for 70 kilometers to the Highway 95A - White Swan Lake road junction. The White Swan Lake road is then traveled for 23 kilometers north east to the Lussier River road junction, then south for 23 kilometers, on the Lussier River road, the mineral claims eastern boundary can be accessed by rough logging roads at kilometer 50.5. From the logging road terminus good hiking/horse trails contour topography to the "Tiger" and "Poorman" mineral showings at higher elevations.

3.00 PROPERTY AND OWNERSHIP

The Dragoon No.1 & 2 mineral claims (Fig. 2), was staked by Ed Helgren in October, 1987. These claims were transferred by separate agreement to South Kootenay Goldfields Inc. Claim data is summarized as follows:

CLAIM NAME	NO. UNITS	RECORD NO.	MINING DISTRICT	RECORD DATE
Dragoon No. 1	16	3022	Ft. Steele	9/11/87
Dragoon No. 2	16	3023	Ft. Steele	9/11/87

4.00 PHYSIOGRAPHY

The Dragoon No. 1 & 2 mineral claim has alpine and subalpine terrain with forests of balsam and fir to 6,500 feet (1981 m) elevation. On the mineral claims three large cirques, with intervening peaks, are floored at 7,000 feet (2134 m) elevation. The peaks which are the cirque headwalls form a prominent ridge line dominated by Mt. Wirth at 9,000 feet (2743 m) elevation.

These cirques represent Pleistocene hanging glacier sites which contributed ice to a larger glacial ice mass then located in the Lussier River valley. The Lussier River valley has extensive glacial overburden deposits with spurs between cirques truncated by movement of ice and water.

The transition between the alpine and subalpine is marked by krummholz and nearly continuous outcrop.

Castellated spires of weathered limestone resulting from the dissolution of limestone along preferred joints form picturesque vistas.

5.00 EXPLORATION HISTORY

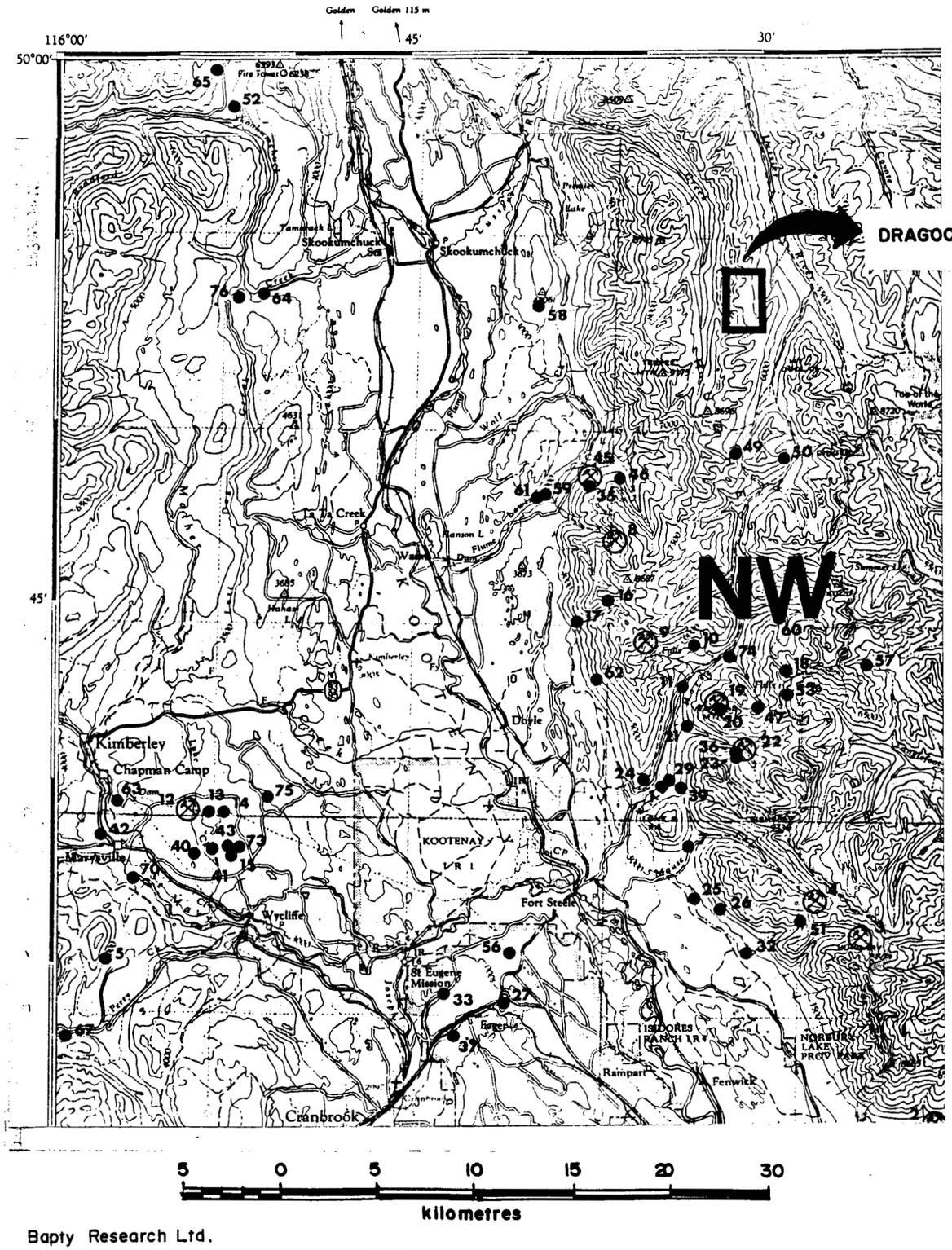
The discovery of rich placer gold on the Wild Horse River in 1864 resulted in a dramatic increase in prospecting and mining activity for the Cranbrook area (Rice, 1937).

The search, by prospecting, for the lode source of the placer gold found on the Wild Horse and Moyie Rivers contributed to the discovery of the Sullivan ore body by Pat Sullivan in 1892.

The St. Eugene mine was also discovered and located at this time forming the corner stone to Consolidated Mining and Smelting Co. now Cominco Ltd.

The community of Fort Steele at the junction of the Wild Horse River and Kootenay River formed the regional supply center with railway access completed in 1898.

Mineral showings discovered in the search for the lode source of the placer gold on the Wild Horse River resulted in a host of crown granted mineral claims be issued (Fig. 3). Occurrences of galena, chalcopyrite and tetrahedrite with associated precious metals were the development targets.



Bapty Research Ltd.

MINFILE NUMBER	NAME	COMMODITY(S)
082GNW		
001	MAGNET	Pb,Zn,Ag
002	BULL RIVER	Cu,Ag,Au
003	DIBBLE	Cu,Ag,Au
004	VICTOR	Pb,Zn,Ag,Au
005	MARYSVILLE	Mt
006	COPPER KING	Cu,Ag,Au,Pb
007	MAUS CREEK	Au
008	ESTELLA (L. 6411)	Ag,Pb,Zn,Co,Cd,Cu,Au
009	KOOTENAY KING (L.7789)	Ag,Pb,Zn,Cd,Au,Cu
010	PALMAYRA	Pb
011	LILY MAY EXT.	Pb,Cu
012	PARK	Pb,Ag
013	LUKE	Cu,Au
014	GREY COPPER	Cu,Au,Ag
015	YANKEE GIRL	Cu,Au,Ag,Pb,Zn
016	KOOTENAY-SELKIRK	Cu,Pb,Ag
017	TRY AGAIN	Cu,Wo
018	CORONADO (L.3535)	Cu,Ag
019	DARDENELLE (L.10329)	Pb,Au,Ag,Zn,Cu
020	LILY MAY	Au,Ag,Pb,Zn
021	ST. TRESA	Pb,Ag
022	MIDAS (L.5456)	Ag,Au,Pb,Cu
023	FISHER	Au,Ag,Pb,Cu
024	DOUGHERTY	Au
025	EAGLE PLUME	Cu,Ag,Au
026	EAGLE'S NEST	Cu
027	COPPER BELT	Cu,Ag,Au
028	CUCKOO	Pb,Cu,Ag
029	EXPANDER	Au
031	ISLAND LAKE TWO	Pp
032	EAGLE TOO	Cu,Au
033	KING	Cu
034	ISLAND LAKE ONE	Pp
035	GOLDEN FLEECE	Cu,Au,Ag,Pb
036	BOULDER CREEK	Mt
037	CRANBROOK	Cy
039	FORT STEELE	Cy
040	SYLVIA	Cu,Pb,Zn
041	BLUE DRAGON (L.8956)	Cu
042	OMINECA (L.5270)	Cu
043	BLACK HILLS (L.8950)	Cu,Pb
044	BULL RIVER	Fe
045	EMILY-TIGER	Cu,Au,Ag,Pb
046	WANDA 8	Cu,Au,Ag,Pb
047	WALLINGER	Mt
048	FERNIE	Cy
049	APRIL	Cu
050	HOT 1	Cu,Au
051	BOX	Pb,Cu
052	BBX	Br
053	FORT STEELE	Mt
054	FAIRY CREEK	Pp
055	MUTZ CREEK	Pp
056	EAGER STATION	Cy
057	JOLLY-MOLLY	Pb,Zn,Cu,Wo
058	PRE	Pb,Zn,Cu
059	LAZY 19	Cu
060	CEDAR	Wo,Cu,Ag,Mo
061	LAZY 32	Cu
062	CHER	Cu
063	BLACK BEAR (L.4844)	Pb,Zn
064	FEDERAL	Cu
065	BRENDA	Cu,Au,Ag,Br
066	FERNIE	Cl
067	PERRY	Au
068	UPPER MUTZ CREEK	Pp
069	NORTH SULPHUR CREEK	Pp
070	RIGEL	Pb,Zn
072	TRILBY	Pb,Zn,Ag,Au
073	BC	Pb,Zn,Cu
074	OLIVIA	Cu
075	KIM 53	Cu,Pb,Zn
076	WAR EAGLE (L.6119)	Co,Ni,Cu

after B.C.E.M.P. & E.M.P. Canada Minfile, Jan./88

LEGEND

STATUS

- Producer
- Past Producer
- Developed Prospect
- Prospect
- Showing

Ag	Silver
Au	Gold
Br	Barium
Cd	Cadmium
Cu	Copper
Mo	Molybedum
Mt	Magnetite
Ni	Nickel
Pb	Lead
Ur	Uranium
Wo	Tungsten
Zn	Zinc
Cl	Coal
Cy	Gypsum
Pp	Phosphorite

SOUTH KOOTENAY GOLDFIELDS INC.

REGIONAL MINERAL OCCURENCE MAP

DRAGOON No.1 & 2 MINERAL CLAIMS

N.T.S. : 82 G/NW
SCALE : 1:250,000
FIG. : 3
M.D. : Ft. Steele

DATE : Oct/89
DRAWN: B.K.

Thirty kilometers from Fort Steele just across the Wild Horse River divide a prospector named J. Larsen in the late 1890's located 8 claims which were given crown granted title called the Uncle Sam, Poorman, Silver Crown, Montana, Mountain View, Tiger, Iron Mask and B. & M.

The developments on the properties included collaring and sinking a shaft along with seven adits on three separate zones. Mineralization consisting of oxidized chalcopyrite and tetrahedrite with precious metal credits was the focus of the underground developments.

A wagon road was built from the properties to connect to existing Wild Horse River trails. Hand sorted shipments of high grade ore were made by J. Larsen, however by 1938 the crown granted claims had reverted back to the crown.

The Lussier River drainage in recent years has been the focus of gypsum exploration and development with Domtar Ltd. producing gypsum from their Lussier River operation.

6.00 REGIONAL GEOLOGY

The regional geology consists of Proterzoic Purcell Supergroup sediments and volcanics folded and faulted with lower Paleozoic plat formal carbonates (Fig. 4). The Purcell Supergroup forms the dominant succession west of the Purcell Fault which follows a north westerly trend. Minor subsidiary listric faults segment and offset the Purcell Supergroup with variable displacement along certain faults (Hoy & Carter, 1988).

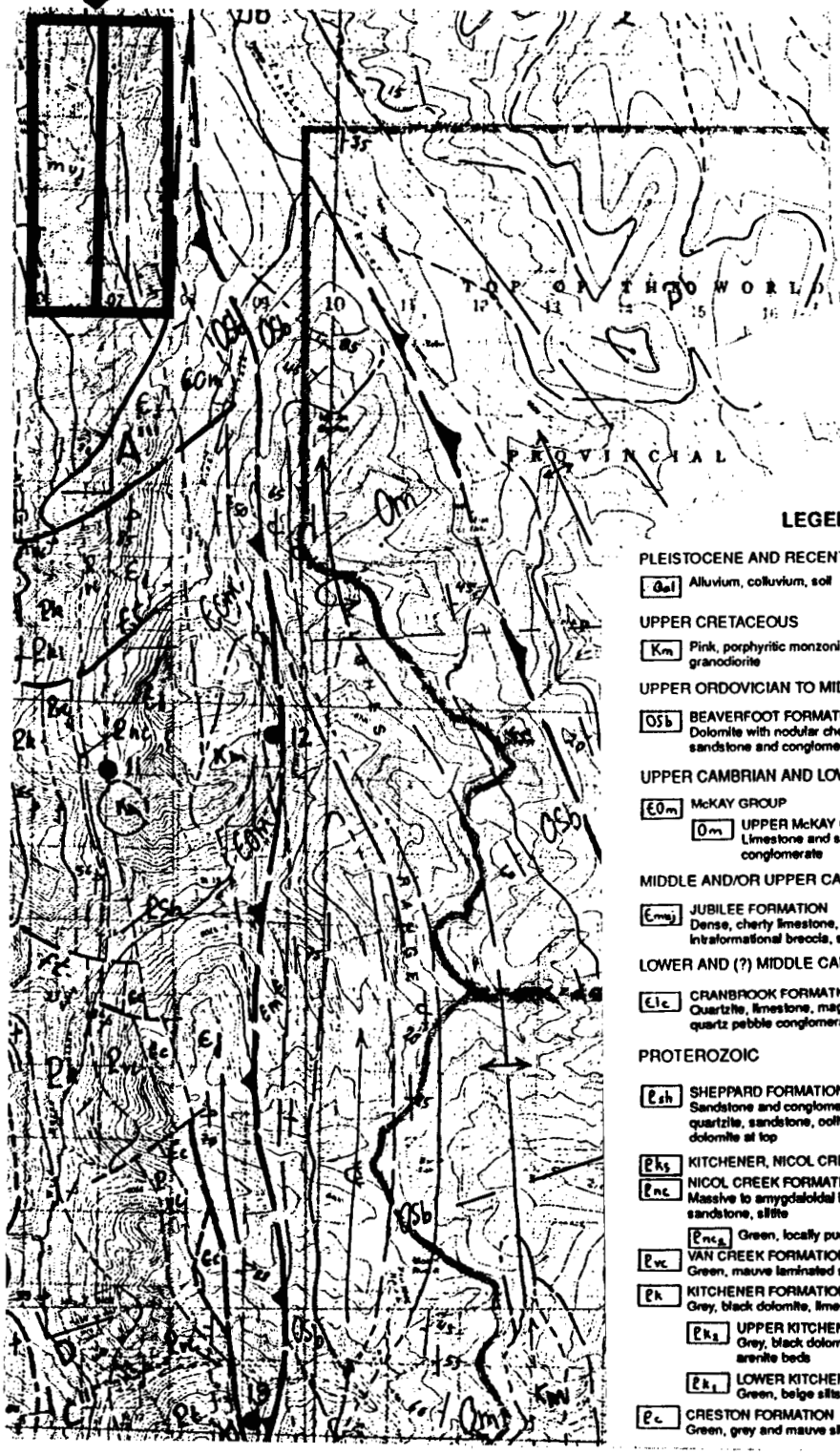
East of the Purcell Fault a dominantly lower Paleozoic carbonate succession forms broad syncline and anticlines with imbrication along northwesterly trending thrust faults. Considerable shortening of the carbonate section occurred in response to thrust faults rooted to a decollemant surface at depth.

Cretaceous monzonites/granodiorites intrude the Purcell supergroup and lower Paleozoic successions (Hoy & Carter, 1988). Northerly trending small stocks outcrop from Summer Lake to north of Nicol Creek.

Sink holes east and west of the Lussier River forming linear clusters and are oriented in a northerly direction. These features are associated with the occurrence of gypsum at the Domtar Ltd. Lussier River operation.

Placer gold occurs with the Cranbrook map area with historical production on the Wild Horse and Moyie River. Deposits are found in poorly sorted Pleistocene conglomerates with pay streaks confined to the unconformity between underlying bedrock and the conglomerate.

DRAGOON No. 1 & 2



115°20'

49°45'

LEGEND

PLEISTOCENE AND RECENT

Qal Alluvium, colluvium, soil

UPPER CRETACEOUS

Km Pink, porphyritic monzonite, quartz monzonite and granodiorite

UPPER ORDOVICIAN TO MIDDLE SILURIAN

OSb BEAVERFOOT FORMATION
Dolomite with nodular chert, black graphitic shale, sandstone and conglomerate in lower part

UPPER CAMBRIAN AND LOWER ORDOVICIAN

EOm McKAY GROUP

Om UPPER McKAY GROUP
Limestone and shale with intraformational conglomerate

MIDDLE AND/OR UPPER CAMBRIAN

Emj JUBILEE FORMATION
Dense, cherty limestone, laminated dolomite, intraformational breccia, sandstone and conglomerate

LOWER AND (?) MIDDLE CAMBRIAN

Elc CRANBROOK FORMATION
Quartzite, limestone, magnesite; minor grit and quartz pebble conglomerate

PROTEROZOIC

Psh SHEPPARD FORMATION
Sandstone and conglomerate locally at base; quartzite, sandstone, oolitic dolomite, stromatolitic dolomite at top

Phs KITCHENER, NICOL CREEK AND VAN CREEK FORMATIONS

Pnc NICOL CREEK FORMATION
Massive to amygdaloidal basaltic to andesitic lava flows, volcanic and feldspathic sandstone, siltite

Pnc$_s$ Green, locally purple volcaniclastic siltite, fine wacke and tuffaceous siltstone

Pvc VAN CREEK FORMATION
Green, mauve laminated siltstone and quartz wacke; minor tuffaceous siltstone at top

Pk KITCHENER FORMATION
Grey, black dolomite, limestone; green argillite, dolomitic siltstone

Pk$_2$ UPPER KITCHENER
Grey, black dolomite, limestone, molar tooth texture; siltstone, thin quartz arenite beds

Pk$_1$ LOWER KITCHENER
Green, beige siltstone, argillite; dolomitic siltstone

Pc CRESTON FORMATION
Green, grey and mauve siltstone, argillite; white, green quartz arenite

SCALE

0 10 20 40 70

kilometres

SOUTH KOOTENAY GOLDFIELDS INC.

REGIONAL GEOLOGY

DRAGOON No.1 & 2 MINERAL CLAIMS

N.T.S. :82 G/13E//14W
SCALE :1:100,000
M.D. :Ft. Steele
FIG. :4

DATE: Oct/89
DRAWN: B.K.

Bapty Research Ltd., 901 Industrial Rd. No.2
Cranbrook, B.C. (604) 426-6277

7.00 PROPERTY GEOLOGY

The property geology of the Dragoon No. 1 & 2 consists of moderately dipping lower Cambrian Jubilee Formation limestone, with underlying conformable Proterozoic Sheppard and Nicol Creek Formations forming the western limb of the Lussier River Syncline (Fig. 5).

Stratigraphically the lower most Nicol Creek Formation consists of amygdaloidal andesitic to basaltic flows with arkosic interflow sediments. A sill with large amphibole phenocrysts up to 8 cm long and labradorite phenocrysts 2 cm across forms the base of the Nicol Creek section. The upper contact appears gradational with pillowed basalts which have pipe vesicles forming the contact with oxidized basaltic "clinkers". The amygdules are gradational to massive hornblende porphyrtic flows and represent quenched flow tops with the amygdules interior replaced by calcite. This succession is not exposed on the Dragoon No. 1 & 2 but is interpreted to stratigraphically underlie the claims.

Overlying the Nicol Creek formation is a dominantly sedimentary succession consisting of maroon ripple marked quartzites, stromatolitic and oolite dolomites with pyritic sandstones forming the upper contact. This succession forms the Sheppard Formation and is well exposed in the head wall of the middle cirque. Well preserved stromatolites, showing internal algal structures represent the lower most stratigraphic carbonate unit within the entire stratigraphic succession.

Next upwards in the stratigraphic succession is the Jubilee Formation consisting of gray limestone with chert interbeds forming the prominent ridges and summits on the Dragoon No. 1 & 2 mineral claims. Evidence of disarticulated worm tubules? can be seen in hanging wall at the Poorman Shaft. Intense fracturing occurs along the lower contact with the Proterozoic Sheppard and upper contact with the Upper Cambrian MacKay Group. Preserved layering is visible in the massive Jubilee Formation limestone but is unrecognizable at its upper and lower contacts.

The Upper Cambrian MacKay Group lower member completes the stratigraphic sequence on the Dragoon No.1 & 2 mineral claims. Tan colored siltstones and shales are interbedded with thinly bedded limestones. This unit is poorly exposed on the claims owing to its recessive nature however good sections are available on cut block logging roads east of the Dragoon No. 1 claim boundary. Also located east of the Dragoon No. 1 claim boundary are outcroppings of Cretaecous monzonite not plotted on OF. 1988 - 14 of Hoy and Carter. This particular stock is pink in color composed of medium grained potassium feldspar with perthitic micro textures developed within the feldspar phenocrysts. Quartz and mafic poor, this stock represents the terminus of a northerly trending linear arrangement of Cretaceous monzonite/granodiorite intrusions traceable 20km southwards to Summer Lake (Fig. 4).

8.00 MINERALIZATION

At the Poorman shaft, elevation 8,000 feet (Fig. 5) the replacement nature of the mineralization is apparent at the shaft collar with sharp contacts with the hosting limestone. A width of 1.20 m was continuously chip sampled which produced an assay rock chip sample No. 93088, .122 opt. Au., .85 opt Ag. This exposure is found in the north wall of the shaft with south wall forming a similar exposure. Caved muck prevented an examination of the vertical extent of the chalcopyrite-tetrahedrite mineralization. Oxidation has produced spectacular textures which form in the boxworks produced by weathering. Brilliant colors of malachite and azurite form the exterior of the oxidized mineralization.

Similar textures are found at the Tiger showing (Fig. 5), where four adits were collared on the exposed dip slope of the Tiger showing. Grab samples from workings at 8130 ft. (2478 m) produced assay values (rock chip sample No. 19171,.156 opt. Au, 35.95 opt. Ag. Malachite and azurite are found as fracture hosted replacement style mineralization with iron rich material found only at higher elevations.

The malachite and azurite are found in a calcite rich gangue giving the mineralization a disseminated appearance.

Another occurrence of malachite of significance occurs in the Proterozoic Sheppard Formation.

Within an stromatolitic dolomite malachite disseminated throughout the matrix produced a 2.03% Cu assay from rock chip sample No. 19167 (Fig. 5).

Silicification is also found on the Dragoon No. 1 & 2 mineral claims. Massive white silica replacements with traces of malachite are found throughout the mineral claims.

South of the Tiger showing on the south wall of the Tiger cirque, quartz veins are exposed by erosion with included fragments of limestone altered to dolomite with unaltered interiors in larger fragments.

The "Tiger" and "Poorman" showings are separated by two kilometers with similarities in both style and type of mineralization. Malachite and azurite with oxidized tetrahedrite is suspected because of anomalous assays in antimony, arsenic and iron. The silver assays may be related to argentiferous tetrahedrite (freibergite) while the gold assays may be related to chalcopyrite which commonly form <1% of sampled rock.

9.00 CONCLUSIONS

The Dragoon No. 1 & 2 mineral claims has oxidized chalcopyrite - tetrahedrite mineralization, with anomalous precious metals forming replacement style occurrences along preferred fractures, traceable discontinuously for two kilometers of strike.

The source of copper - tetrahedrite mineralization may be derived from the underlying Proterozoic Sheppard and Nicol Formations leached by the thermal waters circulating around the Cretaceous monzonite intrusion found just east of the Dragoon No. 1 claim boundary.

These metal rich fluids in response to pH and eH conditions controlled in part by structure could result on the formation of chalcopyrite - tetrahedrite replacement style mineralizations found in Jubilee Formation limestone.

10.00 RECOMMENDATIONS

For the 1990 exploration program I recommend that:

1. prospecting and geological mapping for possible "Vein" extensions from Tiger and Poorman showings;

2. construction of 1.5 km of access road from the cutblock at 50.5 km, Lussier River road to the "Poorman" cabin site;

3. diamond drilling of the "Poorman" shaft zone with BQ helicopter supported drill.

W. Kiesman

William Kiesman, Geologist

APPENDIX I

BIBLIOGRAPHY

BIBLIOGRAPHY

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Ministry of Energy Mines & Petroleum, 1988, Regional Mineral Occurrence Map.

Rice, H.M.A., 1937, Cranbrook Map-Area, B.C., G.S.C. Mem. 207.

APPENDIX II

ANALYTICAL PROCEDURES

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St.. Vancouver, B.C. V6A 1R6
Telephone: 253-3158

Acme Analytical continues to update with mass spectrographic analysis which is now operational. In general, mass spec offers detection limits which are at least 100 fold lower than ICP or flame AA. These detection limits are comparable to graphite furnace AA, but the mass spec can analyze up to 60 elements simultaneously.

Acme has pioneered low cost multi-element ICP analysis which has better detection and precision than AA. Mass spec will further expand the range of elements and isotopes available to mineral exploration programs.

SPACE

Total laboratory, sample preparation and sample storage has been expanded to 30,000 square feet, with purchase another building.

EQUIPMENT

1. Our ICP system has been expanded, and a fifth unit has been purchased which will allow us to determine up to 45 elements simultaneously.
2. AA spectrophotometers have been increased to 8.
3. Sample preparation, weighing and dissolution facilities have been increased.
4. A LECO Induction Furnace has been installed for determining Carbon and Sulfur simultaneously in geological and metallurgical samples.
5. An UA3 Laser Fluorometer from Scintrex is now used for determination of U in water to .01 ppb.
6. Two ICP mass spectrographs.

TECHNOLOGY

1. Fire Assay for Ag, Au, Pt, Pd, Rh, Ru & Ir,; the precious metal bead can be analysed by gravimetric, AA, ICP or Mass spec.
2. ICP multi element packages for water, geochem and assay programs have been developed.
3. Lower detection limits for some elements have been achieved by graphite furnace AA.

TECHNICAL ACHIEVEMENTS

1. Background corrected Atomic Absorption analysis of Ag and Au since 1971.
2. Best proven precision, accuracy and price for MoS2 assays in North America.
3. Pioneered geochemical analysis by ICP at or to better detection limits than AA, including Ag, As, U, Th and W.
4. First to offer Mass spectrographic scan analysis.

PROVEN PERFORMANCE

Our logistical and technical performance for our clients has been demonstrated on the Gambier, Capoose Lake, Trout Lake, Blackdome, Red Mountain, Carolin, Cirque, Minago River, Quesnel River, Terra Swede, Musto and other major projects. We are capable of handling up to 2500 samples per day.

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
Telephone: 253-3158

GEOCHEMICAL ANALYSES - Rocks and Soils

Group 1 Digestion

.50 gram sample is digested with 3 mls 3-1-2 HCl-HNO3-H20 at 95 deg.C for one hour and is diluted to 10 ml with water. This leach is near total for base metals, partial for rock forming elements and very slight for refractory elements. Solubility limits Ag, Pb, Sb, Bi, W for high grade samples.

Group 1A - Analysis by Atomic Absorption.

Element	Detection	Element	Detection	Element	Detection
Antimony*	2 ppm	Copper	1 ppm	Molybdenum	1 ppm
Bismuth*	2 ppm	Iron	0.01 %	Nickel	1 ppm
Cadmium*	0.1 ppm	Lead	2 ppm	Silver	0.1 ppm
Chromium	1 ppm	Lithium	2 ppm	Vanadium	2 ppm
Cobalt	1 ppm	Manganese	5 ppm	Zinc	2 ppm

First Element $2.25 Subsequent Element $1.00

Group 1B - Hydride generation of volatile elements and analysis by ICP.

This technique is unsuitable for sample grading over 1% Ni or Cu.

Element	Detection
Arsenic	0.1 ppm
Antimony	0.1 ppm
Bismuth	0.1 ppm
Germanium	0.2 ppm
Selenium	0.2 ppm
Tellurium	0.3 ppm

First Element $4.25 All Elements $5.50

Group 1C - Hg

Detection limit - 5 ppb Price $2.50

Hg in the solutions are determined by cold vapour AA using a P & J scientific Hg assembly. The aliquots of the extract are added to a stannous chloride/hydrochloric acid solution. The reduced Hg is swept out of the solution and passed into the Hg cell where it is measured by AA.

Group 1D - ICP Analysis, same digestion

Element	Detection
Ag	0.1 ppm
Cd,Co,Cr,Cu,Mn,Mo,Ni,Sr,Zn	1 ppm
As,Au,B,Ba,Bi,La,Pb,Sb,Th,V,W	2 ppm
U	5 ppm
Al,Ca,Fe,K,Mg,Na,P,Ti	0.01 %

Any 2 elements	$3.25
5 elements	4.50
10 elements	5.50
All 30 elements	6.25

Group 1E - Analysis by ICP/MS

Element	Detection
Ca,Ge	1 ppm
Au,Bi,Cd,Hg,In,Ir,Os,Re,Rh,Sb,Te,Th,Tl,U	0.1 ppm

All Elements 15.00 (minimum 20 samples per batch or $15.00 surcharge)

Hydro Geochemical Analysis

Natural water for mineral exploration

26 element ICP - Mo,Cu,Pb,Zn,Ag,Co,Ni,Mn,Fe,As,Sr,Cd,V,Ca,P, Li,Cr,Mg,Tl,B,Al,Na,K,Ce,Ba,Bi				$8.00
F by Specific Ion Electrode	-	detection	20 ppb	$3.75
U by UA3	-	detection	.01 ppb	5.00
pH			.1 pH	1.50

* Minimum 20 samples or $5.00 surcharge for ICP or AA and $15.00 surcharge for ICP/MS.
All prices are in Canadian Dollars

APPENDIX III

GEOCHEMICAL ANALYSES

ACME ANALYTICAL LABORATORIES LTD. [redacted] E. HASTINGS ST. VANCOUVER B.C. V5A 1R[redacted] PH[redacted] (60[redacted] 253-3[redacted] FAX[redacted] 4)25[redacted] 716[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

LOT 1
TIGER - ROKEMAN.

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 AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 6 1989 DATE REPORT MAILED: Sept 9/89. SIGNED BY. C. Leong. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited PROJECT T-P File # 89-3495

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	
C 39036	1	12	8	5	.3	5	13	1400	2.53	12	5	ND	5	35	1	2	10	4	19.36	.018	7	3	5.05	100	.01	21	.07	.01	.04	1	1	— GILL
C 39037	11	34	736	10	2.6	17	8	36	4.49	546	5	ND	2	6	1	13	2	3	3.23	.002	2	4	1.87	12	.01	4	.10	.01	.05	1	44	
C 39038	4	11	44	7	.2	11	3	62	1.19	38	5	ND	3	41	1	2	2	3	.25	.014	4	8	.08	17	.01	5	.12	.01	.09	1	11	
C 39039	1	101	16	95	.6	187	30	322	5.06	12	7	ND	17	751	1	5	2	121	5.86	.494	83	432	6.06	1378	.13	11	2.82	.06	2.12	1	2	
C 39040	1	7	6	16	.1	6	2	992	2.16	8	5	ND	3	274	1	2	4	2	19.14	.013	6	6	2.09	89	.01	8	.07	.01	.05	1	2	
C 39041	9	150	236	31	1.5	57	35	63	24.38	1796	5	ND	5	6	2	14	2	6	1.74	.012	3	4	1.04	16	.01	2	.21	.01	.04	2	1	
C 39042	2	12	20	6	.2	6	2	68	3.36	1316	5	ND	3	12	1	3	2	2	9.44	.002	2	6	4.40	6	.01	4	.02	.01	.01	1	1	
C 39043	1	8	5	15	.1	19	11	344	2.74	107	5	ND	11	36	1	2	2	5	5.99	.033	21	10	1.65	17	.01	5	.29	.01	.19	1	1	
C 39044	2	8	5	2	.1	15	2	20	1.14	42	5	ND	6	4	1	2	2	2	.55	.049	6	7	.21	36	.01	13	.19	.01	.14	1	1	
C 39045	1	4	4	6	.1	4	2	667	1.65	4	5	ND	35	26	1	2	2	21	1.64	.031	65	4	.10	60	.01	27	.33	.03	.12	1	2	
C 39046	1	6	5	6	.1	5	5	880	3.47	2	5	ND	17	37	1	2	2	59	2.02	.126	69	5	.16	236	.01	2	.24	.03	.11	1	1	
C 39047	1	5	2	13	.1	8	1	151	.60	5	5	ND	3	52	1	2	2	11	23.14	.014	9	9	.68	91	.01	2	.28	.01	.03	1	1	
DJ-100	7	24	11	18	.1	36	12	148	3.94	24	5	ND	22	19	1	3	2	11	.25	.034	12	14	.18	36	.02	2	.69	.03	.30	1	1	
STD C/AU-R	18	61	39	132	6.8	67	28	1024	4.04	44	20	7	37	49	19	15	22	60	.53	.093	39	55	.93	178	.07	35	1.90	.06	.14	13	510	

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

GEOCHEMICAL ANALYSIS CERTIFICATE

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 AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 2 1989 DATE REPORT MAILED: Oct 5/89. SIGNED BY. C. Leong. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited File # 89-4019

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
B 56017	1	12	8	3	.2	23	6	53	1.98	8	5	ND	8	3	1	2	2	3	.09	.029	7	20	.04	18	.01	7	.25	.01	.19	2	8
B 56018	1	7	22	25	.4	1	1	65	.80	32	5	ND	2	45	1	10	2	7	18.72	.014	2	3	11.37	6	.01	2	.10	.01	.05	2	7
B 56019	1	1	45	33	.4	4	1	93	12.00	15	9	ND	4	23	3	17	2	99	13.74	.038	3	34	8.41	7	.01	7	.38	.01	.03	3	2
B 56020	2	10320✓	9046✓	607	257.2✓	5	1	28	1.45	2073	5	ND	1	1	34	3237✓	94	2	.08	.017	2	57	.01	7	.01	2	.03	.01	.02	6	185
B 56021	1	7375	468	1852	39.4✓	3	1	332	4.76	701	5	ND	3	15	48	1717✓	28	8	27.58	.014	2	7	3.67	17	.01	4	.05	.01	.02	12	800
B 56022	1	41	104	25	.8	1	1	115	.16	9	5	ND	3	26	1	15	2	1	25.65	.009	2	1	9.23	1	.01	10	.02	.01	.01	1	28
B 56023	1	18941✓	1541	921	258.7✓	3	1	91	.51	1259	5	ND	1	7	21	1630✓	41	9	1.92	.012	2	4	.89	3	.01	2	.02	.01	.01	6	179
B 56024	1	573	2376	66	48.5✓	3	1	12	.49	376	5	ND	1	1	4	1471✓	7	1	.37	.004	2	39	.13	3	.01	3	.02	.01	.02	2	19
B 56025	16	28202✓	2669	3317	110.9✓	43	5	24	47.80	1846	8	ND	3	1	10	1493✓	16	24	.07	.027	2	12	.22	26	.01	11	.11	.01	.01	19	1300
B 56026	1	198	37	37	.7	4	1	54	.56	23	5	ND	1	14	1	34	2	2	8.87	.005	2	39	4.81	1	.01	2	.01	.01	.01	2	1
B 56027	1	473	41	74	2.3	167	35	479	5.56	56	5	ND	3	78	1	38	2	26	5.28	.197	21	69	4.32	19	.01	24	.47	.01	.33	1	1
B 56051	1	7	9	241	.1	19	28	900	7.35	3	5	ND	1	33	1	2	2	40	2.16	.198	24	9	2.21	53	.07	8	2.06	.02	.18	1	1
B 56052	1	53	14	120	.2	43	38	611	7.69	9	5	ND	2	26	1	10	2	60	1.04	.196	16	16	4.86	102	.01	8	2.14	.01	.15	1	2
B 56053	1	105	11	56	.1	13	10	223	8.50	5	5	ND	1	71	1	2	2	37	.71	.195	18	7	.57	1378	.03	10	.75	.02	.25	1	2
B 56054	1	82	10	15	.1	3	4	1580	.66	2	5	ND	1	117	1	10	2	5	13.59	.010	4	3	.22	230	.01	2	.16	.01	.02	1	1
B 56055	1	13	33	25	.2	1	1	109	.14	4	5	ND	1	50	1	3	2	3	20.50	.008	2	1	12.33	7	.01	2	.02	.01	.02	1	1
B 56056	1	7	2	5	.1	3	1	66	.35	2	5	ND	2	45	1	2	2	4	20.11	.015	2	2	11.82	3	.01	22	.03	.01	.02	1	1
B 56057	1	5	3	8	.2	3	1	67	2.62	8	5	ND	3	42	1	2	2	7	19.34	.012	2	4	11.31	3	.01	5	.05	.01	.01	3	1
B 56058	1	7	2	3	.1	2	1	57	.24	8	5	ND	2	46	1	3	2	3	17.91	.008	2	2	9.97	1	.01	2	.01	.01	.01	1	12
B 56059	1	2	3	7	.2	4	1	64	2.35	10	5	ND	2	37	1	2	2	13	19.30	.016	2	9	10.78	2	.01	6	.09	.01	.02	2	1
B 56060	1	6	2	6	.1	3	1	93	.26	2	5	ND	2	27	1	4	2	1	19.80	.009	2	1	11.74	2	.01	14	.03	.01	.02	1	2
B 56061	1	3	234	134	.1	3	1	59	1.38	226	5	ND	2	41	1	28	2	6	18.62	.012	2	3	10.48	4	.01	2	.03	.01	.01	1	1
B 56062	1	12	76	89	.1	3	1	77	.54	91	5	ND	1	30	1	8	2	3	20.39	.012	2	5	12.23	2	.01	11	.03	.01	.01	1	1
B 56063	1	4	9	29	.1	3	1	79	.90	11	5	ND	5	46	1	3	2	6	18.87	.019	8	7	10.42	10	.01	15	.21	.01	.13	1	1
B 56064	1	1	10	52	.3	5	1	103	2.31	11	5	ND	4	38	1	3	2	12	19.33	.012	7	8	10.30	6	.01	14	.21	.01	.07	1	1
B 56065	1	5	34	90	.4	5	1	102	7.07	29	5	ND	3	28	2	8	2	77	17.13	.017	2	31	10.08	3	.01	3	.27	.01	.02	2	3
B 56066	1	16	85	540	3.0	19	2	16	59.98	1710	5	ND	5	6	3	227	3	166	.37	.052	3	100	.25	88	.01	11	.53	.01	.01	41	1
B 56067	1	10	249	73	.1	4	1	79	.24	18	5	ND	4	36	1	4	2	4	25.27	.011	2	2	9.24	1	.01	5	.02	.01	.01	1	1
STD C/AU-R	18	62	43	130	6.6	68	31	1017	3.91	42	18	8	37	47	19	15	20	60	.44	.098	38	52	.88	175	.05	35	1.81	.06	.14	12	510

✓ Assay in Progress.

Tiger P.
Helicopter Rec.
(See Map).

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

GEOCHEMICAL ANALYSIS CERTIFICATE

KLEEMAN

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 AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 12 1989 DATE REPORT MAILED: Sept 15, 1989 SIGNED BY.. D. Toye, D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited File # 89-3595

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
B 93090	1	40	9	19	.2	9	2	139	.56	4	5	ND	1	44	1	2	5	38	19.15	.016	2	28	10.95	5	.01	6	.07	.01	.02	1	5
B 93091	1	14	14	32	.2	19	4	106	5.26	21	5	ND	1	38	1	2	2	30	19.06	.007	2	8	8.27	12	.01	2	.10	.01	.01	1	3
B 93092	2	11	7	3	.1	3	2	10	1.22	11	5	ND	5	7	1	2	2	5	.13	.067	7	17	.05	35	.01	13	.38	.01	.22	1	2
B 93093	1	52	4	13	.2	5	2	290	2.29	5	5	ND	1	72	1	2	3	11	11.39	.023	2	2	5.56	5	.01	10	.13	.01	.08	1	6
B 93094	3	6605	9200	2665	5.3	9	9	357	10.84	2364	7	5	4	2	5	1213	57	11	.29	.010	4	14	.37	40	.01	2	.14	.01	.01	1	4880
B 93095	1	3278	1240	377	60.0	1	1	380	.96	643	5	ND	1	32	4	244	9	4	13.97	.001	2	1	11.04	1	.01	8	.02	.01	.01	1	34
B 93096	4	61299	23538	3398	255.5	4	1	124	1.60	9717	6	4	1	9	132	6980	21	2	.65	.306	2	23	.44	25	.01	2	.04	.01	.01	1	3810
B 93097	6	77353	23828	4012	271.0	2	1	33	2.37	13317	7	3	1	107	120	2662	117	1	.51	.012	7	5	.18	79	.01	5	.09	.01	.01	1	2130
B 93098	1	899	2781	710	22.9	2	1	467	1.09	171	5	ND	1	33	11	607	2	8	13.28	.001	2	1	7.68	6	.01	4	.03	.01	.01	1	500
B 93099	1	74558	13224	44862	252.1	4	5	662	5.76	6954	5	2	1	32	367	2180	75	3	1.39	.010	30	1	1.14	9	.01	2	.03	.01	.01	1	1360
B 93100	1	16075	11101	2633	266.4	1	1	1246	.39	1490	5	ND	1	43	38	738	2	6	17.30	.001	8	1	7.54	1	.01	2	.02	.01	.01	1	510
B 19169	9	23956	7150	4639	90.0	4	10	42	25.63	4669	8	4	1	1	66	3204	6	9	.10	.001	3	1	.02	3	.01	11	.16	.01	.01	1	3370
B 19170	3	11077	19164	1990	100.2	5	1	1233	7.32	2096	5	ND	2	16	36	2487	26	11	25.65	.001	2	5	.56	61	.01	2	.05	.01	.01	1	660
B 19171	1	99999	1051	5172	504.5	13	12	549	3.93	4304	9	6	1	12	155	1858	314	19	3.49	.010	2	1	1.91	23	.01	2	.56	.01	.01	1	6430
B 19172	1	99999	988	5938	512.8	13	9	986	4.68	2694	9	5	1	21	129	1515	616	24	6.02	.001	2	1	3.42	30	.01	3	.33	.01	.01	1	5440
B 19173	1	12012	2516	1312	165.3	2	1	261	1.65	1040	5	ND	1	39	26	1130	57	2	19.20	.001	2	1	10.30	8	.01	2	.02	.01	.01	1	340
B 19174	1	590	366	47	4.9	1	1	85	3.16	49	5	ND	1	29	2	33	2	72	19.40	.006	2	13	10.61	6	.01	3	.21	.01	.01	1	24
B 19175	6	14366	244	499	54.2	55	17	50	39.16	814	5	ND	3	2	3	118	54	6	.24	.007	2	6	.27	9	.01	5	.13	.01	.01	1	380
B 19176	4	16280	452	1098	61.9	182	23	151	38.70	1098	5	ND	3	3	11	146	66	15	.61	.020	2	9	.46	16	.01	2	.16	.01	.01	1	710
B 19177	1	276	73	34	3.0	238	57	377	1.97	35	5	ND	2	32	1	23	2	20	3.53	.122	10	124	4.05	14	.01	12	.58	.01	.26	1	7
B 19178	55	372	1099	66	2.7	105	39	16	41.14	1701	8	ND	4	3	1	29	3	11	.22	.010	2	7	.21	8	.01	2	.14	.01	.01	1	10
B 19179	2	2410	46	73	3.6	8	1	28	1.33	98	5	ND	1	2	2	30	12	1	1.02	.001	2	5	.27	1	.01	2	.02	.01	.01	1	17
STD C/AU-R	19	63	40	133	6.6	67	31	1012	4.12	43	18	7	38	50	18	15	24	60	.50	.093	39	55	.90	171	.07	35	2.00	.06	.14	13	490

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

GEOCHEMICAL ANALYSIS CERTIFICATE

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 AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 5 1989 DATE REPORT MAILED: Sept 14/1989 SIGNED BY. D. Toye D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited File # 89-3568

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
B 19165	1	223	402	39	.9	81	41	97	14.63	90	5	ND	8	20	1	6	2	17	.16	.266	2	15	.07	35	.01	5	.60	.01	.13	2	4
B 19166	2	26	2	7	.1	15	6	36	2.11	679	5	ND	4	11	1	2	2	4	.98	.245	5	6	.19	25	.01	16	.47	.01	.19	5	27
B 19167	3	19259	2	52	.1	31	15	183	3.40	26	5	ND	2	13	2	2	2	3	1.72	.062	4	12	.95	225	.01	2	.23	.01	.09	2	2
B 19168	1	22	2	9	.1	4	2	126	4.16	45	5	ND	2	22	1	2	3	26	1.60	.123	18	13	.61	131	.03	6	.34	.01	.23	4	2
C 39048	1	51	2	18	.1	20	11	891	7.20	5	5	ND	1	54	1	6	2	7	15.96	.116	8	9	4.83	12	.01	3	.17	.01	.08	3	4
C 39049	8	14528	430	448	118.6	58	30	80	42.39	2150	5	ND	1	2	5	286	26	5	.15	.012	2	3	.16	17	.01	6	.18	.01	.04	1	890
C 39050	1	18	2	7	.1	15	5	20	2.19	57	5	ND	5	12	1	2	3	3	.08	.077	10	5	.04	26	.01	6	.28	.01	.16	2	5
B 93080	6	35	359	9	4.3	53	12	25	6.07	1188	5	ND	1	1	1	8	2	1	.01	.002	2	4	.01	9	.01	5	.06	.01	.03	2	3
B 93081	4	16	10	2	.1	10	1	25	.31	46	5	ND	1	1	1	2	2	1	.01	.001	2	8	.01	5	.01	3	.01	.01	.01	2	9
B 93082	2	4	101	1	.7	6	1	14	.47	134	5	ND	1	1	1	7	2	1	.02	.002	6	4	.01	4	.01	19	.09	.01	.07	4	1
B 93083	1	10513	539	976	70.3	3	1	253	.55	1787	5	ND	1	21	20	1500	2	1	16.12	.003	2	1	9.27	1	.01	4	.01	.01	.01	1	1790
B 93084	1	27	4	25	.2	8	2	94	3.11	9	5	ND	1	35	1	24	2	14	18.31	.019	2	16	10.49	1	.01	12	.12	.01	.02	4	13
B 93085	20	1950	2970	2009	2.2	20	3	6	40.74	2229	5	2	1	1	8	415	11	15	.14	.011	2	13	.25	29	.01	2	.19	.01	.02	1	4740
B 93086	5	79	6	13	.1	101	31	494	4.75	7	5	ND	3	258	1	2	2	48	7.13	.281	53	92	4.31	118	.02	54	.98	.01	.40	3	18
B 93087	7	99999 ✓	930	4892	299.0	2	1	6	14.18	15218	5	11	1	2	48	4800	293	1	.09	.014	2	5	.03	13	.01	2	.03	.01	.01	10	10320
B 93088	14	10628	2190	1377	25.8	23	4	12	30.88	2222	5	2	1	1	10	897	27	51	.06	.006	2	17	.06	11	.01	7	.09	.01	.01	1	4380
B 93089	1	348	18	29	1.1	105	12	129	6.35	21	5	ND	1	13	1	8	2	41	2.00	.123	6	128	1.97	41	.17	4	1.93	.02	.72	8	25
STD C/AU-R	17	60	38	134	6.9	67	31	960	4.20	42	23	8	36	47	18	15	21	58	.48	.098	36	55	.88	175	.07	38	2.01	.06	.14	12	530

Regular Assay Suggested.

Assay data to come.

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

GEOCHEMICAL ANALYSIS CERTIFICATE

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 AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 14 1989 DATE REPORT MAILED: Sept 19/89 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited File # 89-3679

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
B 19180	1	1377	2	23	.5	151	135	112	14.89	19	5	ND	3	32	1	2	3	11	3.98	.173	6	52	.73	10	.06	2	1.00	.01	.16	29	1
B 19181	113	315	1574	129	1.3	175	65	14	49.51	1799	5	ND	6	2	1	38	17	12	.11	.011	2	7	.14	27	.01	2	.17	.01	.02	1	1
B 19182	78	271	869	66	2.2	174	55	8	48.65	2670	5	ND	6	3	1	38	19	12	.12	.011	2	7	.16	35	.01	2	.16	.01	.02	1	49
B 19183	22	235	256	27	3.1	66	14	21	7.19	1203	5	ND	1	2	1	25	2	4	.05	.004	2	31	.03	19	.01	2	.06	.01	.02	2	23
B 19184	5	63	30	7	.7	13	2	19	1.40	111	5	ND	1	1	1	17	2	2	.03	.002	2	6	.01	12	.01	18	.04	.01	.01	1	1
B 19185	21	28	14	3	.4	4	1	5	1.07	54	9	ND	3	43	1	2	2	9	.05	.071	13	30	.03	45	.01	17	.28	.01	.24	1	2
B 19186	3	17	11	5	.5	10	1	23	.41	21	5	ND	1	1	1	3	2	1	.06	.001	2	8	.01	13	.01	3	.02	.01	.01	1	2
B 19187	1	369	17	35	.2	32	5	38	.58	34	5	ND	1	1	1	2	2	1	.12	.001	2	43	.07	2	.01	5	.03	.01	.01	1	14
B 19188	2	1884	36	406	.7	96	10	36	3.10	112	5	ND	1	1	1	23	2	1	.01	.017	2	6	.02	9	.01	7	.40	.01	.01	1	3
B 19189	7475	161	11	14	.4	76	31	139	3.13	6	5	ND	2	263	1	2	2	6	7.73	.102	5	43	.35	40	.11	2	2.55	.05	.05	1	7
B 19190	24	13	3	4	.2	9	1	29	.39	8	5	ND	1	1	1	2	2	1	.03	.005	2	7	.01	8	.01	2	.02	.01	.02	2	11
B 19191	108	5	2	2	.3	7	1	41	.33	5	5	ND	2	3	1	2	5	1	.10	.003	2	61	.02	3	.01	5	.04	.01	.01	2	15
B 19192	4	5	2	1	.2	9	1	29	.31	4	5	ND	1	1	1	2	2	1	.01	.001	2	9	.01	5	.01	6	.01	.01	.01	1	6
B 19193	4	6	2	1	.3	9	1	28	.20	4	5	ND	1	1	1	2	2	1	.01	.001	2	70	.01	1	.01	2	.01	.01	.01	3	14
B 19194	3	4	2	3	.3	6	1	30	.27	5	5	ND	2	1	1	3	2	1	.01	.001	2	6	.01	5	.01	2	.01	.01	.01	1	1
B 19195	2	4	3	1	.3	6	1	32	.26	3	5	ND	1	1	1	2	2	1	.01	.001	2	60	.01	1	.01	2	.01	.01	.01	4	9
B 19196	3	2	2	1	.2	9	1	24	.28	3	5	ND	1	1	1	2	2	1	.01	.002	2	7	.01	1	.01	10	.01	.01	.01	1	1
B 19197	2	4	2	1	.1	5	1	25	.25	3	5	ND	1	1	1	2	2	1	.01	.001	2	53	.01	6	.01	2	.01	.01	.01	2	7
B 19198	2	1	2	3	.2	8	1	25	.26	2	5	ND	2	1	1	2	2	1	.01	.001	2	6	.01	4	.01	2	.01	.01	.01	1	5
B 19199	1	127	23	9	1.6	187	16	35	1.62	25	5	ND	1	3	1	2	2	20	.42	.011	2	80	.02	6	.01	2	.02	.01	.01	1	1
B 19200	1	16	4	3	.4	11	1	40	.72	9	5	ND	1	9	1	2	2	42	1.84	.026	2	56	.91	1	.01	2	.02	.01	.01	2	1
B 56001	3	273	28	15	.4	3	16	106	3.81	10	5	ND	20	21	1	2	2	46	.29	.055	15	12	.29	40	.07	2	.44	.01	.11	2	3
B 56002	1	8	4	23	.2	2	5	1026	3.33	14	5	ND	1	136	1	2	2	11	24.11	.001	3	1	6.55	242	.01	4	.02	.01	.01	1	31
B 56003	36	922	10	148	5.1	14	28	1052	6.09	2	5	ND	1	45	1	2	2	9	1.40	.168	15	4	.72	564	.01	9	.49	.01	.25	1	29
B 56004	2	6	2	2	.2	5	1	96	.43	5	5	ND	1	6	1	2	2	1	.75	.001	2	6	.20	9	.01	3	.01	.01	.01	1	4
B 56005	1	11	2	2	.3	2	2	100	.55	8	5	ND	62	7	1	2	3	3	.63	.004	46	19	.23	11	.01	8	.23	.04	.07	1	7
B 56006	2	126	2	10	.1	7	7	306	2.34	11	5	ND	21	23	1	2	2	15	.20	.060	37	5	.03	592	.01	12	.27	.03	.12	1	1
B 56007	1	217	3	7	.2	3	12	415	2.47	6	5	ND	10	60	1	2	2	18	1.97	.054	73	11	.06	613	.01	3	.31	.03	.11	1	1
B 56008	2	5	2	3	.2	1	2	280	1.24	4	7	ND	23	11	1	2	2	9	1.94	.005	38	3	.04	266	.01	2	.15	.03	.07	1	3
STD C/AU-R	19	62	41	132	6.9	67	30	1024	4.11	42	21	8	39	49	18	15	21	60	.50	.093	40	55	.91	177	.07	36	1.90	.06	.13	13	49

Tiger

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

DATE RECEIVED: SEP 14 1989

DATE REPORT MAILED: Sept. 20/89.

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU - 10 GM REGULAR ASSAY.

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

Bapty Research Limited FILE # 89-3568R

SAMPLE#	CU %	PB %	ZN %	AG oz/t	AS %	AU oz/t
B 19167	2.03	-	-	-	-	-
C 39049	1.56	-	-	4.33	.29	-
B 93080	-	-	-	-	.13	-
B 93083	1.15	-	-	2.29	.20	.046
B 93085	.26	-	.31	-	.48	.123
B 93087	24.78	-	.57	62.39	1.89	.337
B 93088	1.23	.31	.25	.85	.58	.127

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

DATE RECEIVED: SEP 19 1989
DATE REPORT MAILED: Sept 27/89

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp
AU** AND AG** BY FIRE ASSAY FROM 1/2 A.T.

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

Bapty Research Limited FILE # 89-3595R

SAMPLE#	Cu %	Pb %	Zn %	Ag** OZ/T	Au** OZ/T	As %
B 93094	-	-	-	-	.142	-
B 93095	-	-	-	1.83	-	-
B 93096	6.17	10.14	-	42.23	.101	1.26
B 93097	6.63	63.20	-	55.42	.060	1.52
B 93099	8.08	34.96	5.82	40.14	.047	-
B 93100	1.72	.95	-	8.45	-	-
B 19169	2.80	-	-	3.06	.091	-
B 19170	1.16	2.26	-	3.03	-	-
B 19171	26.90	-	-	35.95	.156	-
B 19172	19.60	-	-	30.21	.148	-
B 19173	1.28	-	-	5.14	-	-
B 19175	1.40	-	-	1.71	-	-
B 19176	1.65	-	-	2.01	-	-

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE RECEIVED: OCT 6 1989
DATE REPORT MAILED: Oct. 12/89

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp
AU** AND AG** BY FIRE ASSAY FROM 1/2 A.T.

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

Bapty Research Limited FILE # 89-4019R

SAMPLE#	Cu %	Pb %	Ag** OZ/T	Sb %	Au** OZ/T
B 56020	.95	.87	9.69	.36	-
B 56021	-	-	1.19	.18	-
B 56023	1.69	-	8.85	.18	-
B 56024	-	-	1.46	.15	-
B 56025	2.73	-	3.76	.29	.033

APPENDIX IV

ROCKCHIP SAMPLE DESCRIPTION FORMS

Geochemical Data Sheet - ROCK SAMPLING

NTS 82 G/13

Sampler BILL KIESMAN
Date SEPTEMBER, 1985

Project TIGER - POORMAN
Property DRAGOON No.1 + No.2

Location Ref
Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	As
93080	5525850 607550	GRAB		CHERT	SILICEOUS REPLACEMENT	PYRITE	FOUND IN ALTERED LIMESTONE, DEFORMED BY	3	4.3	35	359	9	.13
	7470'(2276.9)						FAULT MOVEMENT, CONTORTED PYRITIC CHERT INTERBEDS						
93081	5525800 607450	"		"	"	"	"	9	0.1	16	10	2	46
	7470'(2276.9)												
93082	5525750 607550	"		"	"	"	"	1	0.7	4	101	1	134
	7470'(2276.5)												
93083	5525800 607300	"		LIMESTONE	FRACTURE REPLACEMENT	MALACHITE AZURITE CHALCOPYRITE	FLOAT, FOUND IN TALUS IN POORMAN CIRQUE, SOUTH	.046	2.29	1.15	539	976	.20
	7360'(2243.3)						SIDE, SEVERAL TRACES OF MALACHITE-AZURITE FOUND						
93084	5525650 607175	"		"	"	JASPER	FLOAT FOUND IN TALUS IN POORMAN CIRQUE, SOUTH SIDE	13	0.2	27	4	25	9
	7470(2276.9)						JASPER REPLACES HAIRLIKE CRACKLE FRACTURES						
93085	5525625 607100	"		?	LIMONITE GOETHITE	—	FLOAT, FOUND IN TALUS IN POORMAN CIRQUE, SOUTH SIDE	.123	2.2	.26	2970	.31	.48
	7450(2270.8)						"SPONGE" TEXTURE WITH VOIDS LINED WITH YELLOW BROWN LIMONITE						
93086	5525625 607050	"		ANDESITE	CARBONATE	PYRITE	FLOAT, FOUND IN TALUS IN POORMAN CIRQUE, SOUTH SIDE	18	0.1	79	6	13	7
	7450(2270.8)						CARBONATE VIENLETS WITH TRACES OF PYRITE IN ANDESITE						
93087	5526100 606400	"		—	LIMONITE GOETHITE	MALACHITE AZURITE	POORMAN SHAFT, HIGH GRADE DUMP, MASSIVE GOETHITE WITH	.357	62.39	24.78	930	.57	1.89
	7980(2432.3)						"EYES" (VOIDS) FILLED WITH MALACHITE, BOTRYOIDAL, STALACTITES						
93088	5526100 606410	CONTINUOUS CHIP	1.20m	—	"	"	POORMAN SHAFT, NORTH WALL "SPONGE" IRON WITH MASSIVE	.127	.85	1.23	.31	.25	.58
	7980(2432.3)						GOETHITE UNALTERED. OXIDATION RESPONSIBLE?						
93089		GRAB		SKARN	SKARN	PYRRHOTITE	FLOAT, WEST SIDE LUSSIER ROAD KM 43.6	25	1.1	348	18	29	21
				LIMESTONE									

Geochemical Data Sheet - ROCK SAMPLING

NTS 82G/13

Sampler BILL KIESMAN
Date SEPTEMBER, 1989

Project TIGER - POORMAN
Property DRAGOON No. 1 & No. 2

Location Ref
Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	As
93090	5526750 606150	GRAB		LIMESTONE	?	—	FLOAT, FOUND IN TALUS MIDDLE CIRQUE, WAXY GREEN MINERAL	8	0.2	40	9	19	4
	7290'(2221.9)						SOFT, FOUND AS BRECCIATED FRAGMENTS IN LIMESTONE MATRIX						
93091	5526400 606100	"		LIMESTONE	HEMATITE	—	IN SITU, MIDDLE CIRQUE, SOUTH WALL, HEMATITE BRECCIA	3	0.2	14	14	52	21
	8170(2490.2)						FORMS VERY LOCALIZED (6m x 5m) ALTERATION ZONE						
93092	5526350 606000	"		CONGLOMERATE	—	PYRITE	IN SITU, MIDDLE CIRQUE, SOUTH WALL, LOWER MOST GATEWAY	2	0.1	11	7	3	11
	8100(2468.9)						FORMATION (PROTEROZOIC), THRUST FAULT UNCONFORMITY.						
93093	5526500 605900	"		LIMESTONE	—	DISSEMINATED PYRITE CHALCOPYRITE?	IN SITU, MIDDLE CIRQUE, SOUTH WALL, GATEWAY, STROMATOLITIC	6	0.2	52	4	13	5
	7770(2368.3)						CARBONATES INTERBEDDED WITH MAROON RIPPLE MARKED QUARTZITE						
93094	5528300 606000	"		—	LIMONITE GOETHITE	— TIGER RIDGE	FLOAT, MIDDLE ~~CIRQUE~~, ~~NORTH~~ WEST ~~WALL~~, TALUS RICH IN	.142	5.3	6605	9200	2665	2364
	8380(2554.2)						LIMONITE FLOAT, "SPONGE" TEXTURE WITH LIMONITE LINING VOIDS						
93095	5528200 606000	"		LIMESTONE	FRACTURE REPLACEMENT	MALACHITE	FROST HEAVE, TIGER RIDGE APEX/CREST	34	1.83	3278	1240	377	643
	8380(2554.2)												
93096	5528250 606050	"		"	"	MALACHITE	FROST HEAVE, TIGER RIDGE DON JACKSON'S SAMPLE	.101	~~.101~~	6.17	~~63.20~~	3398	1.26
	8380(2554.2)								42.75		10.14		
93097	5528220 606075	"		—	—	MALACHITE GOETHITE GALENA TETRAHEDRITE	TIGER NO. 1 ADIT, HIGH GRADE FROM DUMP	.060	55.42	6.63	63.20	4012	1.52
	8340(2542.0)												
93098	5529240 606120	"		LIMESTONE	FRACTURE REPLACEMENT	MALACHITE	TIGER NO. 2 ADIT, L/G SAMPLE, AT FACE, DISSEMINATED MALACHITE	500	22.9	899	2791	710	171
	8250(2514.6)						OVER 0.10m THICK, CARBONATE ALTERED TO "SANDY" GOUGE						
93099	5529240 606120	"		"	"	"	TIGER NO. 2 ADIT, L/G SAMPLE AT 6.3m FROM FACE, 0.30m	.047	40.14	8.08	34.96	5.82	6954
	8250(2514.6)						THICK						

Geochemical Data Sheet - ROCK SAMPLING

NTS 82G/13

Sampler BILL KIESMAN Project TIGER - RORMAN Location Ref

Date SEPTEMBER, 1989 Property DRAGOON No. 1 & No. 2 Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	As
93100	5528240 606120	GRAB		LIMESTONE	FRACTURE REPLACEMENT	MALACHITE	TIGER No. 2 ADIT, ABOVE BROW, SURFACE VEIN TRACE	610	8.45	1.72	.95	2633	1490
	8250(2514.6)						0.30m THICK x 5.0m LONG						
19169	5528220 606150	"		"	"	MALACHITE GOETHITE	TIGER RIDGE, OPEN CUT HIGH GRADE	.091	3.06	2.80	7150	4639	4689
	8150(2484.1)												
19170	5528220 606160	"		"	"	"	TIGER No. 3 ADIT, HIGH GRADE DUMP	660	3.03	1.16	2.26	1990	20%
	8130(2478.0)												
19171	5528200 606200	"		"	"	MALACHITE	TIGER No. 4 ADIT, COLLASPED 15.7m FROM COLLAR, WEST WALL, 0.30m THICK	.156	35.95	26.30	1051	5172	4304
	8120(2474.9)												
19172	5528200 606200	"		"	"	MALACHITE	TIGER No. 4 ADIT WINZE/ RAISE, 13.3m FROM COLLAR WINZE CORNER, 0.30m THICK 38° DIP	.148	30.21	19.60	988	5938	2694
	8120(2474.9)												
19173	5528180 606260	"		"	"	MALACHITE	WEST OF TIGER No. 4 ADIT NARROW FRACTURE TRENDING 073/63NW	340	5.14	1.28	2516	1312	1040
	7880(2401.8)												
19174	5527940 606500	"		"	BRECCIA	HEMATITE	FLOAT, TIGER CIRQUE, NORTH WALL, HEMATITE ALONG BRECCIA INTERSTICES	24	4.9	590	866	47	49
	7180(2188.5)												
19175	5527850 606520	"		—	GOETHITE HEMATITE	—	FLOAT, TIGER CIRQUE, WEST WALL, FOUND IN TALUS	380	1.71	1.40	244	499	814
	7180(2188.5)												
19176	5527680 606480	"		—	"	—	"	710	2.01	1.65	452	1098	1098
	7200(2194.6)												
19177	5527600 606620	"		VOLCANIC	CARBONATE	PYRITE MALACHITE	FLOAT, TIGER CIRQUE, SOUTH WALL, FOUND IN TALUS	7	3.0	276	73	34	35
	7030(2142.7)						CARBONATE VEINLETS SURROUND PORPHYRITIC FRAGMENTS						

Geochemical Data Sheet - ROCK SAMPLING

NTS 82G/13

Sampler DON JACKSON
Date SEPTEMBER, 1989

Project TIGER - POORMAN
Property DRAGOON No. 1 + No. 2

Location Ref
Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	As
56016	5524480 607800	GRAB		VEIN	QUARTZ	—	~~FLOAT~~, VEIN HOSTED IN LIMESTONE						
56017	5528300 605370	"		CONGLOMERATE	—	PYRITE	SHEPPARD FORMATION	8	0.2	12	8	3	8
56018	5528350 605520	"		SAND	—	—	CREEK DRAINING WESTERN SLOPES OF MT. WIRTH	7	0.4	7	22	25	32
56019	5528240 605750	"		LIMESTONE	—	MALACHITE AZURITE	FLOAT, WESTERN SLOPES OF MT. WIRTH, DIORITE CK	2	0.4	1	45	33	15
56020	5528260 605800	"		"	—	"	"	185	9.69	.45	.87	607	2073
56021	5528580 606660	"		"		"	FLOAT, NORTH OF TIGER CIRQUE	800	1.19	7375	468	1852	701
56022	5528600 606670	"		~~VEIN~~ "		"	"	28	0.8	41	104	25	9
				VEIN									
56023	5528650 606630	"		~~VEIN~~		"	"	179	8.85	1.69	1541	921	1259
				LIMESTONE									
56024	5528650 606590	"		LIMESTONE		"	"	19	1.46	573	2376	66	376
56025	5528~~650~~580 606700	"		LIMONITIC LIMESTONE		"	"	.033	3.76	2.73	2669	3317	1946

Geochemical Data Sheet - ROCK SAMPLING

NTS 82G/13

Sampler DON JACKSON Project TIGER - POORMAN Location Ref

Date SEPTEMBER, 1989 Property DRAGOON No. 1 + No. 2 Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	As
56001	5526830 608100	GRAB		MONZONITE	—	—	WEAKLY ALTERED ALONG JOINTS, DYKE ≥ 1.0m THICK	3	0.4	273	28	15	10
	6920'/2109.2						CONTACTS OBSCURED BY OVERBURDEN, AZ 126/VERTICAL						
56002	5526220 608800			BASALT	CHLORITE HEMATITE	—	FLOAT, NICOL CREEK BASALT AMYGDALOIDAL	31	0.2	8	4	23	14
56003	5525150 607950			"	"	—	"	29	5.1	922	10	146	2
56004	5525780 608440			VEIN	QUARTZ	—	FLOAT, QUARTZ, WHITE, MASSIVE	4	0.2	6	2	2	5
56005	5526150 608750			LIMESTONE	?	MANGANESE	ALTERED LIMESTONE ASSOCIATED WITH MONZONITE DYKE SWARM	7	0.3	11	2	2	8
							ABUNDANT MANGANESE DENDRITES						
56006	5526180 609800			"		"	"	1	0.1	136	2	10	11
56007	5526280 608860			"		"	"	1	0.2	217	3	7	6
56008	5526310 608920			"		"	"	3	0.2	5	2	3	4
56009	5526150 609260												
56010	5529160 607700												

Geochemical Data Sheet - ROCK SAMPLING

NTS 82 G/13

Sampler BILL KIESMAN Project TIGER – POORMAN Location Ref

Date SEPTEMBER, 1989 Property DRAGOON N. 1+2 Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	As
56066	5527900 605900	GRAB		LIMESTONE				1	3.0	16	85	540	1710
56067	"	"		"				1	0.1	10	249	73	18

Geochemical Data Sheet - ROCK SAMPLING

NTS 82 G/13

Sampler BILL KIESMAN
Date SEPTEMBER, 1989

Project TIGER - POORMAN
Property DRAGOON No. 1 + 2

Location Ref
Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	As
56056	5625350 606350	GRAB		LIMESTONE				1	0.1	7	2	5	2
56057	"	"		"				1	0.2	5	3	8	8
56058	"	"		"				12	0.1	7	2	3	8
56059	"	"		"				1	0.2	2	3	7	10
56060	5525400 606750	"		"				2	0.1	6	2	6	2
56061	5527900 605900	"		"				1	0.1	3	234	134	226
56062	"	"		"				1	0.1	12	76	89	91
56063	"	"		"				1	0.1	4	9	29	11
56064	"	"		"				1	0.3	1	10	52	11
56065	"	"		"				3	0.4	5	34	90	29

PRINTED IN CANADA

Geochemical Data Sheet - ROCK SAMPLING

NTS 82 G/13

Sampler BILL KIESMAN Project TIGER - POORMAN Location Ref

Date SEPTEMBER, 1989 Property DRAGOON No. 1 + No. 2 Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	As
19189	5534150 607450	GRAB		LIMESTONE	SKARN?	PYRRHOTITE MOLYBDENITE	FLOAT, COBBLE SIZE, FOUND ALONG LUSSIER RIVER RD. AT	7	0.4	161	11	14	6
	5100' (1554.5)						KILOMETRE 44.3						
19190	5526000 608000	GRAB		VEIN	QUARTZ	—	QUARTZ, WHITE, MASSIVE, A2194 VERTICAL, MEASURED STRIKE	11	0.2	13	3	4	8
	7260 (2212.8)						LENGTH 134m IN OUTCROP						
19191	"	"		"	"	—	"	15	0.3	5	2	2	5
19192	"	"		"	"	—	"	6	0.2	5	2	1	4
19193	"	"		"	"	—	"	14	0.3	6	2	1	4
19194	"	"		"	"	—	"	1	0.3	4	2	3	5
19195	"	"		"	"	—	"	9	0.3	4	3	1	3
19196	"	"		"	"	—	"	1	0.2	2	2	1	3
19197	"	"		"	"	—	"	7	0.1	4	2	1	3
19198	"	"		"	"	—	"	5	0.2	1	2	3	2
19199	5526380 608000	GRAB		LIMESTONE	BRECCIA	MALACHITE	FLOAT, FOUND ON SOUTH EAST FACING SLOPES, SOUTH	1	1.6	127	23	9	25
	7260 (2212.8)						RIDGE						
19200	"	"		"	"	"	"	1	0.4	16	4	3	9

PRINTED IN CANADA

Geochemical Data Sheet - ROCK SAMPLING

NTS 82G/13

Sampler DON JACKSON
Date SEPTEMBER, 1989

Project TIGER - POORMAN
Property DRAGOON No. 1+2

Location Ref
Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	As
56026	552870 606710	GRAB		LIMESTONE		MALACHITE AZURITE	FLOAT, NORTH OF TIGER CIRQUE	1	0.7	198	37	37	23
56027	552860 606730			DYKE ANDESITE	—	PYRITE	FLOAT, NORTH OF TIGER CIRQUE	1	2.3	473	41	74	56

Geochemical Data Sheet - ROCK SAMPLING

NTS 82G/13

Sampler BILL KIESMAN Project TIGER - POORMAN Location Ref

Date SEPTEMBER, 1983 Property DRAGOON No.1 + No.2 Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	As
19178	5527600 606820	GRAB			LIMONITE GEOTHITE		IRON RICH, SPONGE-LIKE TEXTURE WITH VOIDS LINED	10	2.7	372	1044	66	1701
	7000 (2133.6)						WITH CARMEL BROWN LIMONITE FLOAT						
19179	5527580 606900	CONTINOUS CHIP	0.60m	VEIN	QUARTZ VEIN	MALACHITE trace	AZ 200/42SE, PINCHING AND SWELLING ALONG STRIKE, VISIBLE	37	8.6	2410	46	73	98
	7110(2167.1)						IN CLIFF EXPOSURE, 0.60m TO 1.0m MALACHITE(tr) IN CRACKLED VEIN TEXTURE.						
19180	5528300 609050	GRAB		LIMESTONE	SKARN?	CHALCOPYRITE PYRRHOTITE	FLOAT, FOUND AT 50.5 KM ON LUSSIER RIVER ROAD, VERY LARGE	1	0.5	1377	2	23	19
	5390(1642.9)						FLOAT, 2m x 2m ACROSS, DENSE DIFFICULT TO BREAK, SILICEOUS?						
19181	5527400 606600	CONTINOUS CHIP	0.80m		LIMONITE GEOTHITE		IN SITU, SOURCE OF 19178 FLOAT, IRON RICH SPONGE LIKE	1	1.3	315	1574	129	1779
	7450(2270.8)						TEXTURE WITH VOIDS LINED WITH CARMEL BROWN LIMONITE						
19182	"	"	0.80m		"		"	49	2.2	271	869	66	2670
19183	"	GRAB		"	—	—	TRACES OF LIMONITE ALONG FRACTURES WITH POSSIBLE	23	3.1	235	256	27	1203
							HEMATITE/JASPER FILLING BRECCIA INTERSTICES, HANGING WALL						
19184		GRAB		VEIN?	QUARTZ	MALACHITE trace	VEIN TEXTURES EXPOSED AS RADIATING ROSETTES WHICH	1	0.7	63	30	7	111
	7420(2261.6)						ARE INTERGROWN, 0.50-3cm. ACROSS, DEFORMED VEIN 19179?						
19185	5527430 606620	"		LIMESTONE	BRECCIA	—	WEAKLY ALTERED), TRACES OF LIMONITE,	2	0.4	23	14	3	54
1	7460(2255.6)												
19186	5527450 606600	"		VEIN?	QUARTZ	—	QUARTZ ROSETTES WITH TRACES OF MALACHITE, NOT	2	0.5	17	11	5	21
	7400(2255.5)						SAMPLED MALACHITE DUE TO STEEPNESS OF TERRAIN						
19187	5527200 606700	"		LIMESTONE	BRECCIA	MALACHITE trace	FLOAT COBBLE SIZE ON SOUTH EAST FACING SLOPE.	14	0.2	368	17	35	34
	7390(2252.5												
19188	"	"		"	"	"	SAME AS ABOVE	3	0.7	1884	36	406	112

APPENDIX V

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, William Donald Kiesman, of the City of Burnaby, in the Province of British Columbia, certify that:

1. I am a graduate of the University of Manitoba, Winnipeg, Manitoba with a Bachelor of Science obtained in 1980 and a diploma of Technology from the British Columbia Institute of Technology in Mining Technology in 1987.

2. I have practiced my profession continuously since graduation.

3. This report is based upon results generated from geological mapping and rock chip sampling program conducted on behalf of South Kootenay Goldfields Inc. during the period September 4 to September 27, 1989.

4. I hold indirect interest in this property through an employees' stock option to acquire 10,000 shares in Dragoon Resources Ltd. which has a 50% ownership in South Kootenay Goldfields Inc. I do not expect my interest to change as a result of endorsing or submitting this report.

5. South Kootenay Goldfields Inc. may include this report, or a summary thereof, in a prospectus or statement of material facts.

Dated at Cranbrook B.C., this 15 day of Dec 1989.

W. Kiesman

William D. Kiesman, Geologist

5529000N 606000E

607000E 5525000N

Mt. Wirth

9000 8500 8000 7500 7000 6500

MOUNTAINVIEW L11814

TIGER L11815

BAM L11813

IRON MASK L11818

UNCLE SAM L11817

POORMAN L11818

SILVER CROWN L11819

MONTANA L11820

DRAGOON No. 2

DRAGOON No. 1

ϵ_{MU} ϵ_{MUJ} ϵ_{OM} P_{SH}

56023, 19 ppb / 1.46 opt / 573 ppm

56023, 179 ppm, 1.19 opt / 1.69%

56026, 1 ppb / 0.7 ppm / 198 ppm

56027, 1 ppb / 23 ppm / 473 ppm

56025, .033 opt, 3.76 opt, 2.75%

56022, 28 ppb / 0.8 ppm / 41 ppm

56021, 800 ppb / 1.19 opt / 7375 ppm

93094, .142 opt, 5.3 ppm / 6605 ppm

93098, 50 ppb / 22.9 ppm / 1899 ppm

93099, .065 opt, 40.14 opt, 8.06%

19170, 660 ppb, 3.69 opt, 1.16%

19171, .156 opt, 35.95 opt, 24.90%

19172, .148 opt, 30.21 opt, 19.67%

19173, 34 ppb, 5.14 opt, 1.28%

19169, .091 opt, 3.06 opt, 2.80%

93100, 610 ppb, 0.45 opt, 1.72%

93097, .060 opt, 55.42 opt, 6.65%

93096, .101 opt, 62.23 opt, 6.17%

93095, 34 ppb, 1.83 opt, 3218 ppm

56020, 185 ppb, 9.44 opt, .75%

56019, 2 ppb, 0.4 ppm, 1 ppm

56066, 1 ppb, 30 ppm, 16 ppm

56067, 1 ppb, 0.1 ppm, 10 ppm

56065, 3 ppb, 0.4 ppm, 5 ppm

56064, 1 ppb, 0.3 ppm, 4 ppm

56063, 1 ppb, 0.1 ppm, 4 ppm

56062, 1 ppb, 0.1 ppm, 12 ppm

56061, 1 ppb, 0.1 ppm, 3 ppm

19174, 24 ppb, 4.9 ppm, 390 ppm

19175, 380 ppb, 1.71 opt, 1.40%

19176, 710 ppb, 2.01 opt, 1.65%

19178, 10 ppb, 2.9 ppm, 372 ppm

19177, 7 ppb, 30 ppm, 276 ppm

19178, 32 ppb, 8.6 ppm, 2410 ppm

19186, 2 ppb, 0.5 ppm, 17 ppm

19185, 2 ppb, 0.4 ppm, 28 ppm

19183, 28 ppb, 3.1 ppm, 235 ppm

19182, 43 ppb, 2.2 ppm, 271 ppm

19188, 3 ppb, 0.7 ppm, 1884 ppm

19187, 14 ppb, 0.2 ppm, 360 ppm

39050, 5 ppb, 0.1 ppm, 14 ppm

19165, 4 ppb, 0.9 ppm, 823 ppm

19166, 27 ppb, 0.1 ppm, 26 ppm

19167, 2 ppb, 0.1 ppm, 2.03%

19168, 2 ppb, 0.1 ppm, 22 ppm

93090, 3 ppb, 0.2 ppm, 40 ppm

93093, 6 ppb, 0.2 ppm, 52 ppm

93092, 2 ppb, 0.2 ppm, 1 ppm

93091, 3 ppb, 0.2 ppm, 14 ppm

93088, .122 opt, .85 opt, 1.20% 1.20m

93087, .337 opt, 62.39 opt, 24.78%

93086, 18 ppb, 0.1 ppm, 79 ppm

93085, .125 opt, 2.2 ppm, .26%

93084, 13 ppb, 0.2 ppm, 27 ppm

56056, 1 ppb, 0.1 ppm, 7 ppm

56057, 1 ppb, 0.2 ppm, 5 ppm

56059, 1 ppb, 0.1 ppm, 2 ppm

56060, 2 ppb, 0.1 ppm, 9 ppm

56058, 12, 0.1, 7 ppm

39043, 1 ppb, 0.1 ppm, 8 ppm

39036, 1 ppb, 0.3 ppm, 12 ppm

39042, 1 ppb, 0.2 ppm, 18 ppm

39047, 1 ppb, 0.1 ppm, 5 ppm

39041, 1 ppb, 1.5 ppm, 150 ppm

39045, 2 ppb, 0.1 ppm, 4 ppm

39046, 1 ppb, 0.1 ppm, 6 ppm

39044, 1, 0.1 ppm, 8 ppm

19198, 5 ppb, 0.2 ppm, 1 ppm

19196, 1 ppb, 0.2 ppm, 2 ppm

19194, 1 ppb, 0.3 ppm, 4 ppm

19192, 6 ppb, 0.2 ppm, 2 ppm

39040, 2 ppb, 0.1 ppm, 7 ppm

39048, 4 ppb, 0.1 ppm, 11 ppm

39039, 2 ppb, 0.6 ppm, 101 ppm

19191, 15 ppb, 0.2 ppm, 5 ppm

39038, 11 ppb, 0.2 ppm, 11 ppm

19193, 14 ppb, 0.3, 6

19195, 9, 0.3, 4

19197, 9, 0.1, 4

93081, 9 ppb, 0.1 ppm, 16 ppm

93080, 3 ppb, 4.3 ppm, 35 ppm

93082, 1 ppb, 0.7 ppm, 4 ppm

39037, 40 ppb, 2.6 ppm, 34 ppm

39049, 890 ppb, 4.33 opt, 1.54%

93083, .046 opt, 2.29 opt, 1.15%

LEGEND

ϵ_{OM} **MacKay Group**
LOWER: Shale, shaly limestone, intformational conglomerate

ϵ_{MUJ} **Jubilee Formation**
Dense, cherty limestone, laminated dolomite intraformational breccia, sandstone and conglomerate

P_{SH} **Sheppard Formation**
Sandstone and conglomerate locally at top, dolomitic quartzite, oolitic dolomite, stromatolitic dolomite at base

LIST OF SYMBOLS

- Geological contact, defined, assumed
- Strike and dip
- Joint
- Vein trace
- Pack horse trail
- Adit, trench
- Shaft
- Cabin
- (H) Helicopter pad
- XYZ L1111 Reverted Crown grant
- L.C.P., claim boundary
- Rock chip sample location
- Heavy minerals sample location
- 5555 / 2222 U.T.M. Coordinates

SCALE

0 100 300 500
metres

Contour Interval = 100 ft. (30.48m.)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,419

SOUTH KOOTENAY GOLDFIELDS INC.

PROPERTY GEOLOGY AND ROCK CHIP SAMPLE LOCATION MAP

DRAGOON No. 1 & 2 MINERAL CLAIMS

BAPTY RESEARCH LTD.

N.T.S. : 82 G/13
SCALE : 1:5000
M.D. : Ft. Steele
FIG. : 5
DATE : Oct/89
DRAWN : B. Kiesman