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REPORT ON THE
KER 1-7 MINERAL CLAIMS
1990 LITHOGEOCHEMICAL SAMPLING PROGRAM

**SUB-RECORDER
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M.R. # \$.....
VANCOUVER, B.C.

ISKUT RIVER AREA
LIARD MINING DIVISION
BRITISH COLUMBIA

56°55' NORTH LATITUDE
130°55' WEST LONGITUDE
N.T.S. 104B/15

Work Period: June 10, 1990 to September 10, 1990

Owner and Operator: KESTREL RESOURCES LTD.
507 - 675 West Hastings Street
Vancouver, B.C.
V6B 1N2
(604) 683-9177

By: S. J. Tennant

September 15, 1991

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,696

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INTRODUCTION

The KER 1-7 mineral claims are located approximately 8 kilometres north of Newmont Lake within the Liard Mining Division of northwestern British Columbia.

The claims are accessible by helicopter from a base camp at the Forrest Kerr airstrip, located 9 kilometres to the east.

The 1990 lithogeochemical program was designed to further evaluate the mineral potential of the KER claims which had previously been prospected in 1988. During the month of August, 75 rock chip samples were collected.

The KER claims cover a limestone unit on their western portion in contact with basalts, volcanic units and andesite flow to the east.

Results of the 1990 program are discussed in the text of this report and the data are plotted on the accompanying maps.

LOCATION, ACCESS AND TOPOGRAPHY

The claims are located approximately 8 kilometres north of Newmont Lake within the Liard Mining Division of Northwestern British Columbia. Access to the property is via fixed wing aircraft from Smithers or Terrace to Bronson, which is located 110 kilometres northwest of Stewart, or the Forrest Kerr airstrip located at the headwaters of the Forrest Kerr River. Access from Bronson or Forrest Kerr is via helicopter and via foot traverse within the claims.

Most of the property is accessible by foot or helicopter. Elevations range from 1065 metres to 1310 metres A.S.L. The claims are surrounded by glaciers on the north, south and west sides.

PROPERTY AND LIST OF CLAIMS

The KER 1-7 mineral claims consist of the following modified grid claims wholly owned by Kestrel Resources Ltd.:

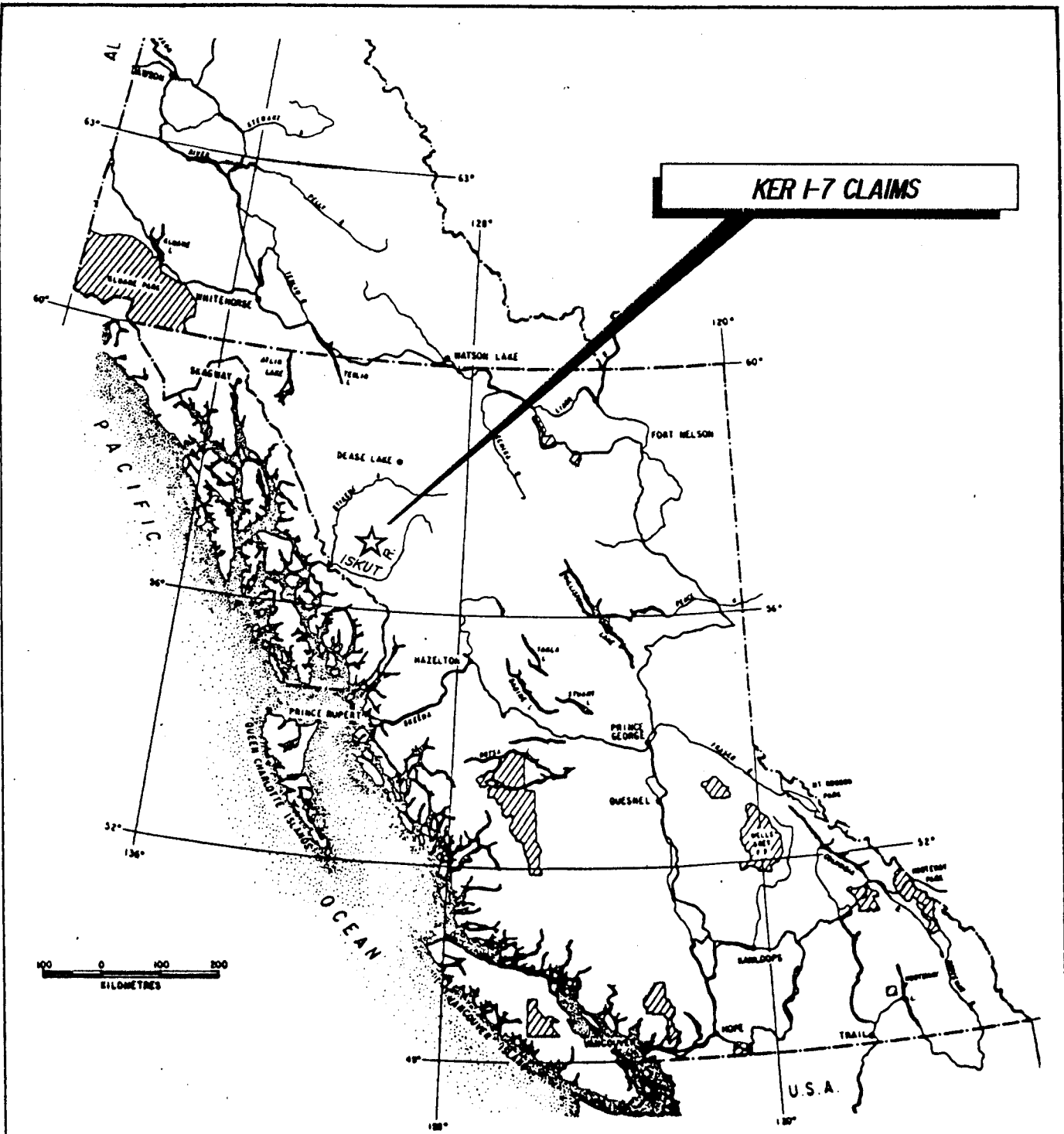
<u>Claim Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Record Date</u>	<u>Expiry Date</u>
KER 1	4744	12	June 28, 1988	June 28, 1992
KER 2	4745	12	June 28, 1988	June 28, 1992
KER 3	4746	8	June 28, 1988	June 28, 1992
KER 4	4747	8	June 28, 1988	June 28, 1992
KER 5	4748	10	June 28, 1988	June 28, 1992
KER 6	4749	4	June 28, 1988	June 28, 1992
KER 7	4750	4	June 28, 1988	June 28, 1992

AREA HISTORY

The first recorded work from the Iskut River region was in 1907 when a staking party from Wrangell, Alaska recorded nine mineral claims north of Johnny Mountain. The Iskut Mining Company worked the claims and in 1917 shipped a ton of high grade ore which reportedly assayed \$1.20 gold, 44.2 ounces silver and 12.45% copper (B.C.M.M.A.R., 1917).

In 1954 Hudson Bay Mining and Smelting Limited discovered high grade gold-silver-lead-zinc mineralization, known as the "Pickaxe" showing, on the slopes of Johnny Mountain.

Throughout the 1960's several major mining companies undertook reconnaissance prospecting and exploration programs in search for porphyry copper-molybdenum deposits resulting in the location of several claims on Johnny Mountain and on Sulphurets Creek.



KER 1-7 CLAIMS

0 100 200
KILOMETRES



KESTREL RESOURCES LTD.

LOCATION MAP
LIARD MINING DIVISION, B.C.

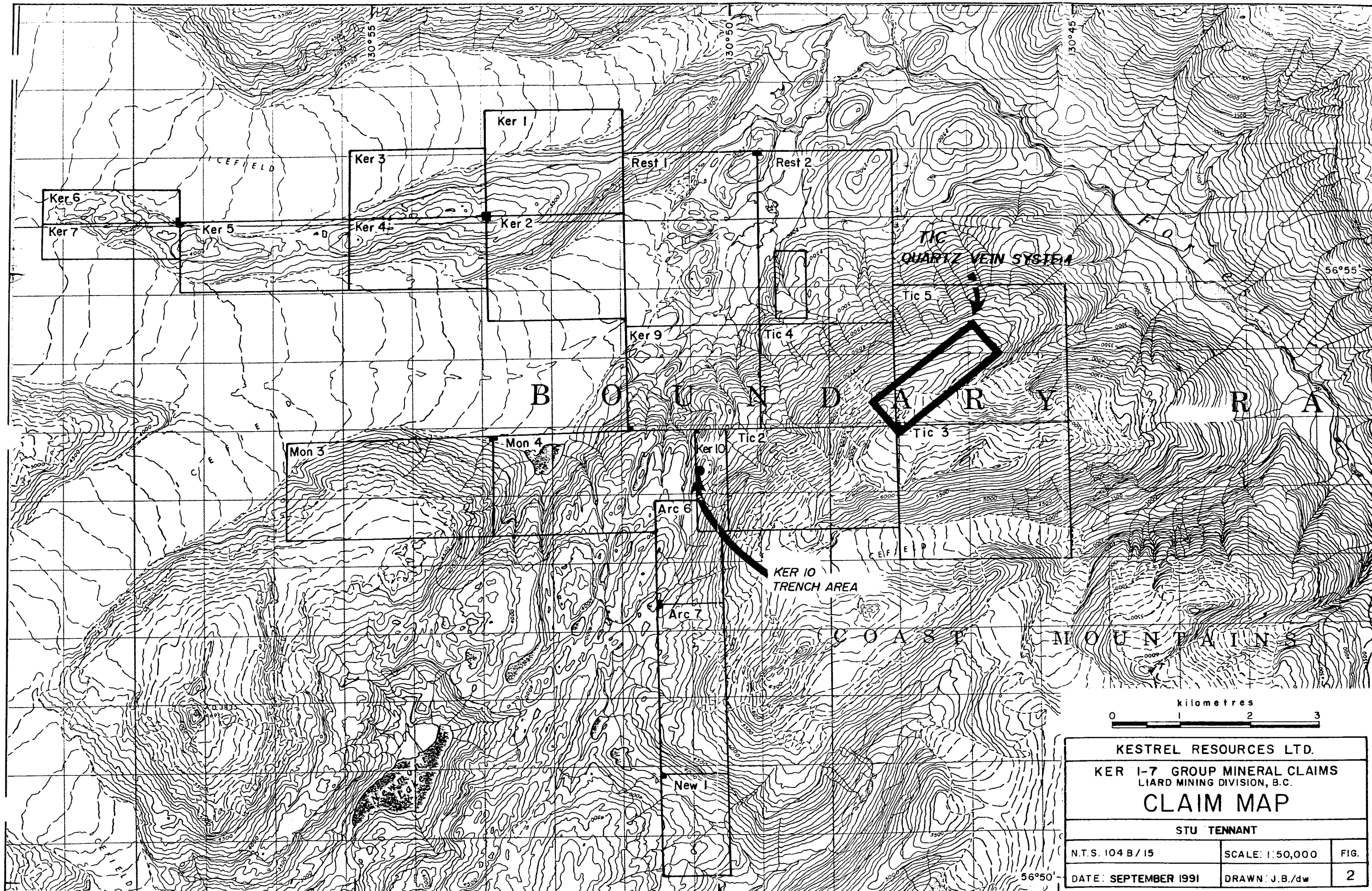
STU TENNANT

SCALE:
NOTED

DATE:
APRIL 91

MAP:
1

N.T.S.
104B/15



KESTREL RESOURCES LTD.		
KER 1-7 GROUP MINERAL CLAIMS LIARD MINING DIVISION, B.C.		
CLAIM MAP		
STU TENNANT		
N.T.S. 104 B/15	SCALE: 1:50,000	FIG.
DATE: SEPTEMBER 1991	DRAWN: J.B./dw	2

Skyline Exploration Limited staked the Inel property in 1969 following the discovery of massive sulphide in float on the Bronson Creek glacier. In 1980 the company staked the Reg property. During the 1980's, Skyline has developed both these properties discovering high grade veins and polymetallic massive sulphide mineralization on the Inel and Reg properties.

The joint venture partners of Cominco Ltd. and Prime Resources Corporation have developed their Snip property which is located immediately north of the Reg property on the northern slopes of Johnny Mountain. The combined geological reserve for the Snip property is 1,000,000 tons grading 0.80 opt gold.

Other advanced prospects currently undergoing intense exploration efforts in the area include Gulf International Mineral Ltd.'s Inel and McIymont properties, Placer Dome Ltd.'s Kerr porphyry copper-gold deposit and Calpine's Eskay Creek gold deposit, as well as the redevelopment of the Silback Premier/Big Missouri mines by Westmin.

The discovery of the Eskay Creek gold prospect in November 1988 has done much to stimulate exploration activity in the Iskut region. Drill hole intersections varying from 5 to 10 metres (16 to 33 feet) and grading to 100 grams gold per tonne (2.92 opt) with an average 1,000 grams or more of silver per tonne (29.2 opt), are not uncommon. The Eskay Creek deposit is probably the most significant precious metal deposit discovered in British Columbia.

Recently completed road access studies has resulted in a proposed shared cost road which would commence at the Stewart-Cassiar highway near Bob Quinn Lake and extend into the Iskut Valley.

REGIONAL GEOLOGY

Generally the area consists of a northerly trending succession of Upper Triassic and Jurassic volcanic and sedimentary rocks underlain in part by Paleozoic volcanic and sedimentary units. All of these units have been intruded by Mesozoic and Tertiary intrusive rocks and cut by extensive fault zones. These country rocks form the

Stewart Complex bounded on the west by the main Coast Plutonic Complex, and on the east by the Bowser Basin sedimentary assemblage.

Since 1948, Government workers have attempted to clarify relationships and assign ages to various lithological units of the area. Work completed by Kerr, 1948, G.S.C. Memoir 246; G.S.C. maps 9-1957, 1481-1979-Iskut River, and Grove, E.W., 1986, Bulletin No. 58 B.C. Department of Mines, form the basis of earlier government mapping. Recently work completed by the G.S.C. - Open File o. 2094 (1989) and the B.C. Department of Mines Open File 1990-2 has greatly enhanced the geological data base.

The oldest known rock of the area are limestone, dolomite and low grade metamorphosed sediments (quartzite, slate, phyllite) of Lower Cambrian age that have been correlated with the Cache Creek Group prevalent in the southern half of the province. The limestone unit contains fossil crinoids and is unconformably overlain by Upper Triassic Hazelton volcanics and sediments.

Overlying the Triassic Hazelton volcanic-sedimentary assemblage is a similar group of volcanic-sedimentary rocks of Middle Jurassic age tentatively named the Betty Creek Formation.

Cretaceous to Tertiary Coast Plutonic intrusions of granite, granodiorite and diorite occupy large portions of the map area. In addition, smaller bodies of monzonite or syenite, as well as subvolcanic acidic porphyries, are sparsely distributed.

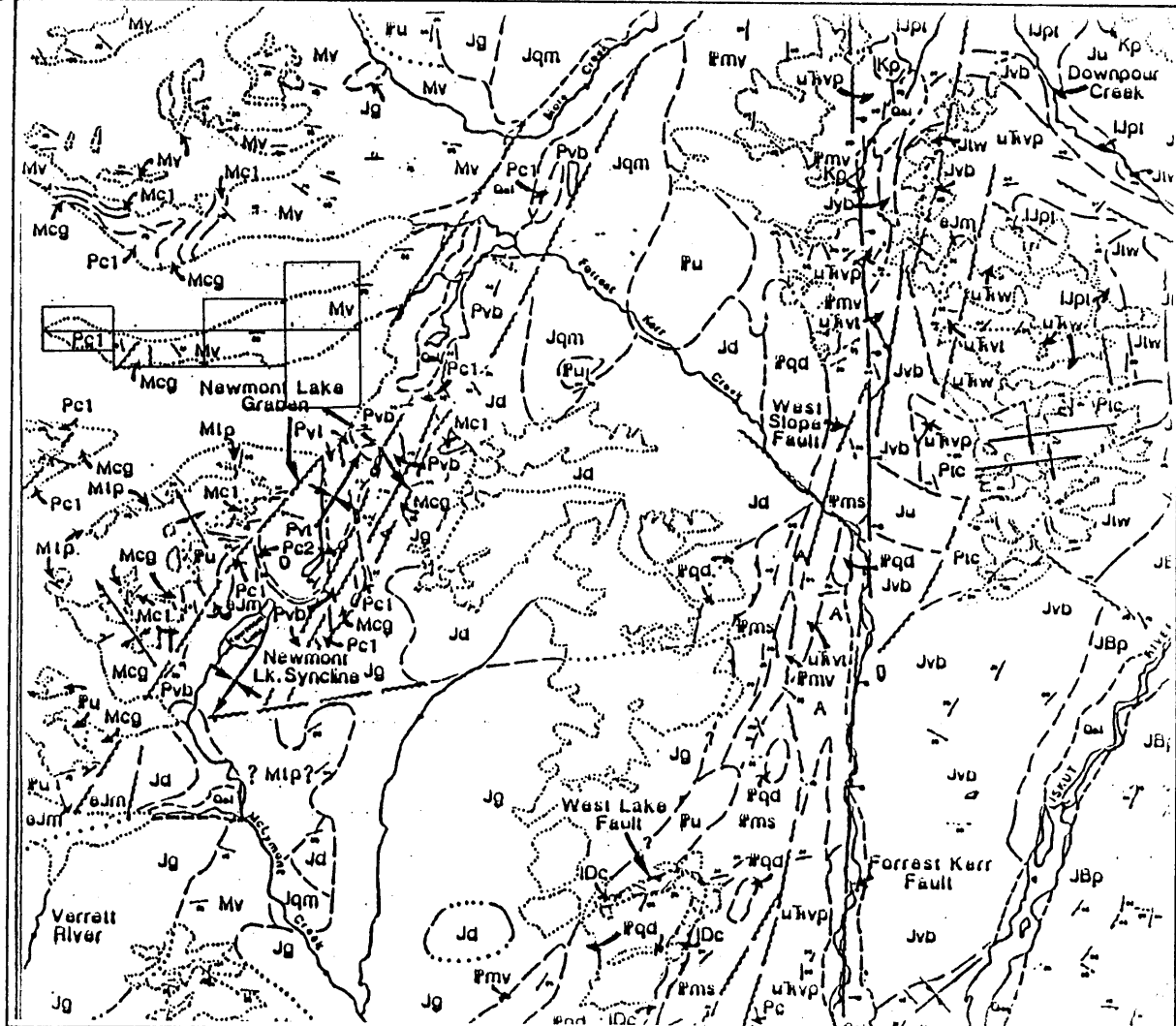
Tufa, hot spring deposits and pyroclastic material of Pleistocene and Recent age occur at several localities within the area, notably at Hoodoo Mountain.

The foliated rocks, present in the area, are not of great lateral extent and owe their origin to low grade metamorphism, rather than high temperature regional metamorphism.

Structurally, the map area is bisected by a prominent thrust fault along the Iskut River from Forrest Kerr Creek to the Stikine River Junction. The thrust separates unconformably, Mississippian-Pennsylvanian rocks from middle Jurassic strata and is thought to override rock formations to the south. Regionally, a dominant

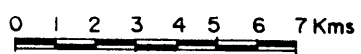
131°00"
57°00"

130°00"
57°00"



56°45"

56°45"



KESTREL RESOURCES LTD.			
KER 1-7 CLAIMS LIARD MINING DIVISION, B.C.			
REGIONAL GEOLOGY MAP			
STU TENNANT			
DATE	SEPTEMBER 1991	SCALE	NOTED
NTS	104 B/15	FIGURE	3

Geology map of the Forrest Kerr Creek map sheet 104B/15

LEGEND

QUATERNARY

Qel TEL, ALLUVIUM

STRATIFIED ROCKS

MIDDLE TO UPPER JURASSIC BOWSER LAKE GROUP

JBp SILTSTONE, SANDSTONE, MINOR CONGLOMERATE

JURASSIC

Ju UNWOKED VOLCANICS AND SEDIMENTS

Jlw SILICEOUS WACKE, TUFF, CONGLOMERATE

Jvb PILLOW BASALT, BRECCIA FLOWS, SILICEOUS SEDIMENTS

Jpl SHALE, SANDSTONE, LESSER LIMESTONE, TUFF

UPPER TRIASSIC STUHINI GROUP

uRvt MAROON AND GREEN EPICLASTICS, ALKALITE AND PLAGIOCLASE-PHYRIC VOLCANIC BRECCIAS

uRvp DARK GREEN PLAGIOCLASE-PHYRIC FLOWS

uRva GREY-GREEN APHANTIC TUFF

uRw TUFFACEOUS WACKE, ARGILLITE, LIMESTONE, CONGLOMERATE WITH LIMESTONE CLASTS, PLAGIOCLASE-PORPHYRITIC ANDESITE

MIDDLE TRIASSIC

mRb CARBONACEOUS CALCAREOUS SILTSTONE

PALEOZOIC STIKINE ASSEMBLAGE

Pu UNWOKED METAVOLCANICS AND METASEDIMENTS

WESTERN ASSEMBLAGE

PERMIAN

Pvt FELSIC WELDED TUFF, VOLCANIC SANDSTONE AND SALTSTONE, AMYOLITE FLOWS

Pc2 THIN-LAMINATED, GREY ALGAL LIMESTONE

Pvb INTERMEDIATE TUFF AND EPICLASTICS, MAROON LAHAR, BRECCIA FLOWS

Pc1 MEDIUM-BEDDED BIOCLASTIC LIMESTONE WITH CHERTY INTERBEDS

MISSISSIPPIAN

Mip SILTSTONE, SANDSTONE, TURBIDITES, LESSER LAPILLI TUFF

Mcp POLYMYCTIC VOLCANIC CONGLOMERATE

Mcl INTERBEDDED SILICEOUS SALTSTONE AND LIMESTONE, THICK-BEDDED CARBONAL CALCARENITE

Mv PILLOW BASALT, HYALOCLASTITE, ASH-FLOW FELSIC TUFF

EASTERN ASSEMBLAGE

PERMIAN

Pic INTERMEDIATE TO MAFIC META-TUFF, THIN-BEDDED LIMESTONE AND METASEDIMENTS

Pc MEDIUM-BEDDED BIOCLASTIC LIMESTONE

PERMIAN AND OLDER

Pms SILICEOUS TURBIDITES, PHYLITES, LESSER CHERTY TUFFS

Pmv MAFIC TO FELSIC METAVOLCANICS, METASEDIMENTS, LIMESTONE LENSES

LOWER DEVONIAN

IDc LIMESTONE, SILICEOUS TUFF

INTRUSIVE ROCKS

CRETACEOUS AND YOUNGER (?)

Kp PLAGIOCLASE QUARTZ PORPHYRY

JURASSIC

Jg PINK HORNBLende BIOTITE GRANITE

Jqm QUARTZ MONZONITE

Jd HORNBLende DIORITE, HORNBLende QUARTZ DIORITE

EARLY JURASSIC

eJm HORNBLende-PLAGIOCLASE-PORPHYRITIC MONZONITE, STENITE

PALEOZOIC

#qd DEFORMED HORNBLende QUARTZ DIORITE

UNKNOWN

A ALTERED DIORITE

northeast trending and a subdominant northwest trending faulting system complicate the local geology, especially where folding of the strata, which is common, has occurred.

PROPERTY GEOLOGY

Open File Report No. 1990-2 - Geology, Geochemistry and Mineral Occurrences of the Forrest Kerr-Iskut River Area, Northwestern British Columbia, prepared by the British Columbia Department of Mines and released in the winter of 1990 describes the geology of the KER claims at a scale of 1:50,000.

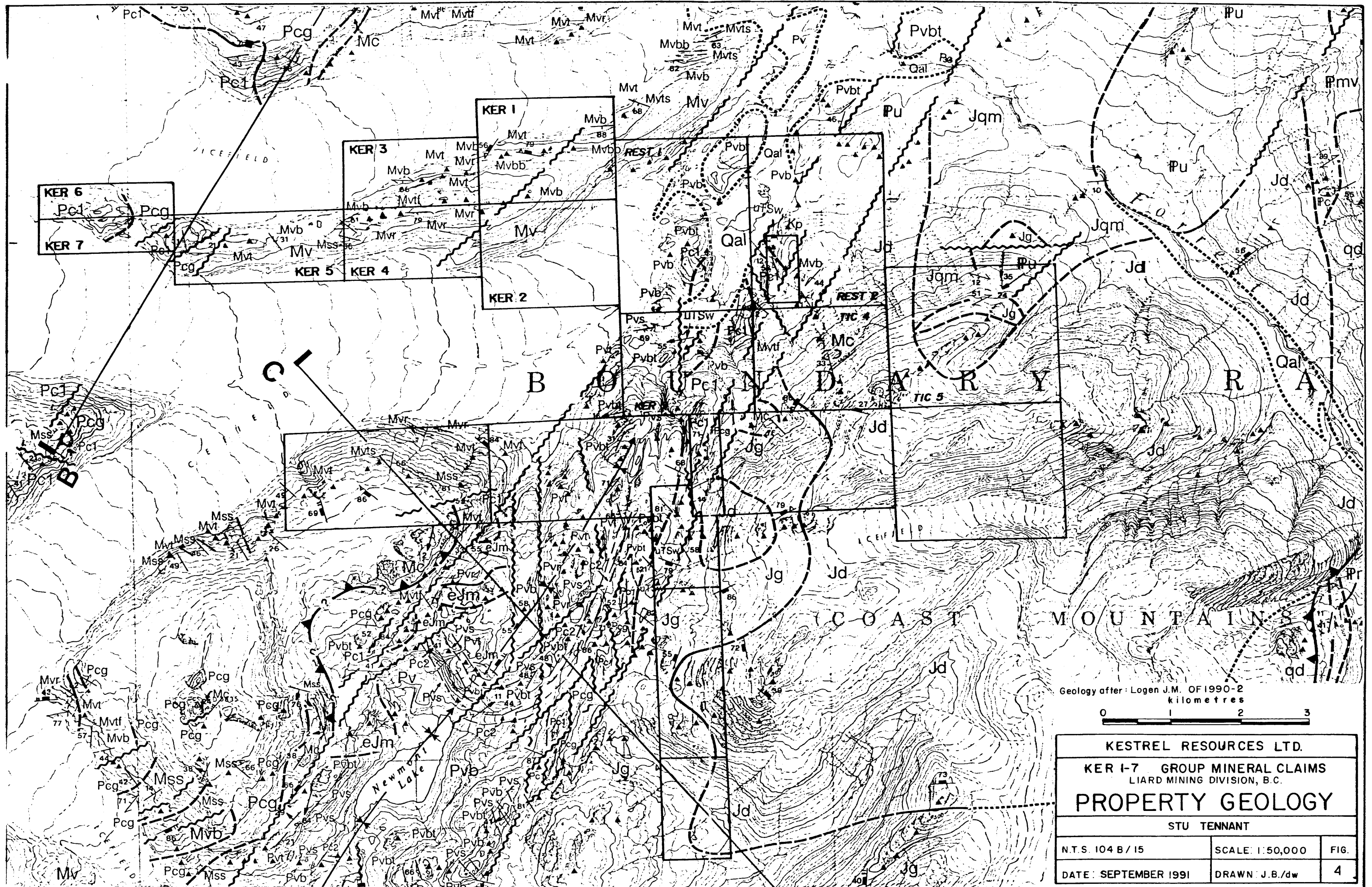
The KER claims cover a limestone unit on their western portion in contact with basalts, volcanic units, andesite flows and pyroclastic rocks to the east. Mineralization consists of minor pyrite, chalcopyrite and tetrahedrite in fine quartz veins within the limestones. The limestone comprises primarily massive to thin-bedded grey bioclastic calcarenite and lesser buff silty dolomitic units.

1990 EXPLORATION PROGRAM

The 1990 lithogeochemical program was designed to further evaluate the mineral potential of the KER claims which had previously been prospected in 1988. The field program was conducted during the month of August.

Access was via helicopter (provided by Northern Mountain Helicopters), from a base camp at the Forrest Kerr airstrip, some 9 kilometres to the east. Field work was conducted by employees of Kestrel Resources Ltd. under the supervision of the author. A total of 75 rock chip samples were collected.

The lithogeochemical samples were properly bagged, described and labelled in the field. Later, they were shipped by air and ground freight to Vangeochem Lab Ltd. in Vancouver, B.C. for analysis under the supervision of professional assayers. All of the samples were analyzed for gold, using fire assay and atomic absorption procedures, and for a 25-element suite by inductively coupled argon plasma (ICAP), methods.



Geology after: Logen J.M. OF 1990-2
kilometres
0 1 2 3

KESTREL RESOURCES LTD.		
KER 1-7 GROUP MINERAL CLAIMS LIARD MINING DIVISION, B.C.		
PROPERTY GEOLOGY		
STU TENNANT		
N.T.S. 104 B/15	SCALE: 1:50,000	FIG.
DATE: SEPTEMBER 1991	DRAWN J.B./dw	4

LEGEND

QUATERNARY

Rv	RECENT VOLCANICS
Qal	TILL, ALLUVIUM

LAYERED ROCKS

MIDDLE TO UPPER JURASSIC BOWSER LAKE GROUP

JBp	PLANAR BEDDED SHALE AND LOCALLY CROSSBEDDED SANDSTONE TURBIDITE COUPLETS
JBcg	CHERT PEBBLE TO GRANULE CONGLOMERATE

JURASSIC

Ju	UNDIVIDED SEDIMENTS AND VOLCANICS
Jw	BRECCIATED AND CRACKLE FRACTURED DARK GREEN AND GREY SILICEOUS SILTSTONES AND PHYRIC CHERT, CARBONACEOUS TUFFACEOUS WACKES WITH INTERBEDDED CONGLOMERATE CONTAINING CLASTS OF CHERT, BLACK SILTSTONE, AND INTERMEDIATE TO FELSIC VOLCANICS (Jwcp)

MIDDLE(?) JURASSIC

mJvb	DENSE MEDIUM GREY TO GREEN PILLOW BASALT, LOCALLY AMYGDALOIDAL, PLAGIOCLASE PHYRIC, PILLOW BRECCIA FLOWS AND FLOW BRECCIAS, HYALOCLASTITE.
mJvs	THINLY BEDDED, ALTERNATING BLACK AND WHITE SILICEOUS TUFFS AND SEDIMENTS

LOWER(?) JURASSIC

Ljp	FISSILE, THIN BEDDED, SILTSTONE AND SANDSTONE WITH CARBONACEOUS WOOD FRAGMENTS, GRANULE CONGLOMERATES CONTAINING INTERMEDIATE VOLCANIC, SEDIMENTARY AND LIMESTONE CLASTS.
Ljl	BROWNISH GREY LAPILLI AND CRYSTAL TUFF; RHYOLITE CRYSTAL TUFF AND LESSER FLOWS (Ljr)

UPPER TRIASSIC STUHINI GROUP

uTS	UNDIVIDED VOLCANICS AND SEDIMENTS
uTSvl	MAROON AND GREEN PLAGIOCLASE AND LESSER AUGITE-PHYRIC LAPILLI TO BLOCK TUFFS AND ASSOCIATED EPICLASTICS
uTSv	MAROON AND GREEN PORPHYRITIC VOLCANIC FLOW BRECCIAS, PLAGIOCLASE-PHYRIC (uTSvp); AUGITE-PHYRIC (uTSvq)
uTSI	GREY-GREEN APHANTIC TUFF
uTSw	TUFFACEOUS WACKE, ARGILLITE, LIMESTONE, CARBONACEOUS AND CALCAREOUS SILTSTONE INTERBEDDED WITH FINE GRAINED SANDSTONE AND MINOR CONGLOMERATE; MAROON VOLCANIC CONGLOMERATE WITH LIMESTONE CLASTS (uTSwcp)

PALEOZOIC STIKINE ASSEMBLAGE

Pu UNDIVIDED METAVOLCANICS AND METASEDIMENTS

WESTERN ASSEMBLAGE

PERMIAN

Pv UNDIVIDED PERMIAN VOLCANICS AND SEDIMENTS

Pvt LAPILLI AND PLAGIOCLASE CRYSTAL TUFF, FELSIC WELDED ASH TUFF, THINLY BEDDED SILICEOUS LIMESTONE LENSES; RHYOLITE FLOWS (Pvt); VOLCANIC SANDSTONE, SILTSTONE AND MAROON SHALLOW(?) WATER CONGLOMERATES (Pvt)

Pc2 ALGAL LIMESTONE; THIN LAMINATED, DARK GREY TO BLACK, LOCALLY FETID, WEATHERS BUFF, PISOLITE-RICH BEDS AND CUSPATE STACKED CONCAVE ALGAL STRUCTURES COMMON

Pvb HORNBLENDE-PLAGIOCLASE PORPHYRITIC ANDESITE BRECCIA FLOWS; LOCALLY AMYGDALOIDAL, CONTAINS 30 TO 40 PERCENT EUMEDIAL WHITE PLAGIOCLASE AND 15 PERCENT CHLORITIC ACICULAR HORNBLENDE CRYSTALS; MAROON LAHAR AND LAPILLI TUFF (Pvb)

Pc1 BIOCLASTIC LIMESTONE WITH CHERTY INTERBEDS; MEDIUM-BEDDED TO MASSIVE GREY BIOCLASTIC CALCARENITE AND LESSER BUFF SILTY DOLOMITIC UNITS, THIN BEDDED SECTIONS CONTAIN BLACK TO YELLOWISH BUFF AMORPHOUS SILICA BEDS UP TO 20 CENTIMETRES THICK; SOLITARY CORALS, FORAMINIFERA, BRYOZOAN, CRINOID AND VARIOUS BRACHIOPODS ARE LOCALLY ABUNDANT

Pcg THICK BEDDED, BOULDER TO PEBBLE CONGLOMERATE, CLASTS ARE AUGITE PHYRIC, PLAGIOCLASE PHYRIC, ANDESITE, BASALT, AND LIMESTONE CLASTS.

MISSISSIPPIAN - PENNSYLVANIAN

Mss SILTSTONE-SANDSTONE TURBIDITES AND LESSER CHERTS

Mc THICK-BEDDED CRINOIDAL CALCARENITE WITH INTERBEDDED SILICEOUS SILTSTONE

Mv UNDIVIDED VOLCANICS

Mvt MAFIC TO INTERMEDIATE SCORIACEOUS LAPILLI TUFF; SILICEOUS DUST TUFFS AND EPICLASTICS (Mvt); INTERMEDIATE TO FELSIC ASH FLOW AND WELDED TUFFS (Mvt)

Mvr RHYOLITE, RHYODACITE, PINK AND ORANGE FLOW BANDED BRECCIAS VARYING TO MASSIVE SUBVOLCANIC BODIES, GLOMEROPORPHYRITIC FELDSPAR AND QUARTZ EYES COMMON.

Mvb MASSIVE-AMYGDALOIDAL BASALT FLOWS; HYALOCLASTITE DEBRIS FLOWS (Mvb); FLOW BASALT (Mvb)

EASTERN ASSEMBLAGE

PERMIAN

Pic DEFORMED CHLORITIC TUFFS AND METAVOLCANICS, INTERBEDDED TUFFACEOUS AND SILICEOUS SILTSTONES AND NUMEROUS THIN BEDDED RECRYSTALLIZED LIMESTONES.

Pc LIMESTONE; BIOCLASTIC, MEDIUM-BEDDED, RECRYSTALLIZED, WHITE TO BUFF, SPARSELY CRINOIDAL CALCARENITE WHICH LOCALLY IS COMPLETELY RECRYSTALLIZED TO COARSE CALCITE

PERMIAN AND OLDER

Pms METASEDIMENTS AND MINOR LIMESTONE; SILTSTONES ARE GREY TO LIGHT GREEN, PHYLLITIC AND INTERLAYERED WITH GRAPHITIC ARGILLITE AND SILICEOUS PHYLLITE AND THIN LENSES OF DARK BROWN LIMESTONE; GREEN AND WHITE SILICEOUS TURBIDITE COUPLETS AND CHERTY TUFFS (Pms) OCCUR HIGH IN THE STRATIGRAPHY.

Pc LIMESTONE; RECRYSTALLIZED, THIN BEDDED TO MORE COMMONLY MASSIVE, WHITE TO BUFF COLOURED.

Pmv MAFIC TO FELSIC METAVOLCANICS, RARE LIMESTONE LENSES, VARIABLY FOLIATED TO SCHISTOSE, PURPLE TO DARK GREEN PLAGIOCLASE PORPHYRITIC FLOWS AND TUFFS.

LOWER DEVONIAN

IDc DEFORMED CORALLINE LIMESTONES; LESSER INTERBEDDED PEBBLE CONGLOMERATE, SILICEOUS AND CARBONACEOUS SHALES AND BOTH MAFIC AND FELSIC TUFFS.

INTRUSIVE ROCKS

CRETACEOUS AND YOUNGER (?)

Kp *PLAGIOCLASE QUARTZ PORPHYRY; OCCURS AS SMALL PLUGS AND DYKES INTRUDING NORTH TRENDING FAULTS, PYRITIC AND OXIDIZED TO YELLOW AND RED GOSSANS.*

JURASSIC AND YOUNGER(?)

Jg *BIOTITE GRANITE; PINK, COARSE TO MEDIUM GRAINED, EQUIGRANULAR TO 'QUARTZ EYE' PORPHYRITIC, LESS COMMONLY HORNBLENDE IS THE MAFIC CONSTITUENT, QUARTZ EXCEEDS 30 PERCENT, QUARTZ RICH PHASES (50 PER CENT) ARE SPATIALLY RELATED TO FAULT STRUCTURES*

Jqm *HORNBLENDE QUARTZ MONZONITE TO MONZONITE; COARSE TO MEDIUM GRAINED, HORNBLENDE AVERAGES 20 PERCENT AS 3 MILLIMETRE CRYSTAL LATHS AND POWULITIC CLOTS, BIOTITE WHERE PRESENT IS FINE GRAINED AND LESS THAN 3 PERCENT.*

Jd *HORNBLENDE DIORITE, HORNBLENDE QUARTZ DIORITE; HORNBLENDE IS CHLORITIC AND COMPRISES MORE THAN 40 PERCENT OF THE ROCK.*

MIDDLE(?) JURASSIC

Jdl *DIORITE TO GABBRO; COARSE GRAINED, OCCURS AS STOCKS AND SILLS, PLAGIOCLASE CRYSTALS ARE EUHEDRAL TO SUBHEDRAL ACICULAR CLOTS WHICH IMPART A DISTINCTIVE FELTY INTERLOCKING TEXTURE, THESE SUBVOLCANIC INTRUSIONS MAY REPRESENT FEEDERS TO THE PILLOW BASALTS.(M)*

EARLY JURASSIC

eJm *HORNBLENDE-PLAGIOCLASE-PORPHYRITIC MONZONITE; OCCURS AS DYKES, SILLS AND PLUGS CHARACTERIZED BY A HEMATITIC GROUNDMASS ALTERED WITH PINK SUBHEDRAL TO EUHEDRAL PLAGIOCLASE (UP TO 30 PERCENT) AND HORNBLENDE CRYSTALS, TRACHYTIC TEXTURES ARE COMMON, STRONGLY MAGNETIC.*

eJg *HORNBLENDE BIOTITE POTASSIUM FELDSPAR MEGACRYSTIC GRANITE.*














AGE UNKNOWN

qd *HORNBLENDE QUARTZ DIORITE; MEDIUM GRAINED, LOCALLY FOLIATED AND ALTERED, CONTAINS IRREGULAR MAFIC INCLUSIONS (UP TO 100 CENTIMETRES) OF AMPHIBOLITES.*

d *ALTERED DIORITE*

DYKES *q) APHYRIC ANDESITE AND BASALT; pp) MAFIC PLAGIOCLASE PHYRIC; j) LAMPORPHYRE; j) PHYLITE/APLITE*

MAP SYMBOLS

Geological contact (defined, approximate, assumed)	
Unconformable contact (defined, assumed)	
Bedding (horizontal, inclined, overturned).....	
Foliation	
Fault (observed, inferred).....	
Thrust or high angle reverse fault (defined, assumed).....	
Anticline (direction of plunge indicated).....	
Syncline (direction of plunge indicated).....	
Minor fold axis.....	
Joint	
Dyke.....	
Vein.....	
Outcrop visited.....	

At Vangeochem Lab Ltd., each rock sample was ground to -100 mesh and an 0.5 gram pulp was digested with 5 millilitres of 3:3:1 hydrochloric acids to nitric acid to water at 95°C for 90 minutes, and then diluted to 10 millilitres with water. The resulting precipitate was then analyzed by ICAP methods for: silver, aluminum, arsenic, barium, bismuth, calcium, cadmium, cobalt, chromium, copper, iron, potassium, magnesium, manganese, molybdenum, sodium, nickel, phosphorus, lead, antimony, tin, strontium, uranium, tungsten, and zinc.

A 20.0 to 30.0 gram pulp was split from each of the ground samples, mixed with flux at 1900°F to form a button, and subsequently digested in an aqua regia solution. This solution was then analyzed for gold by a Techtron Model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp.

Prospecting traverses and all sample locations are shown on Figure 5 of this report. The lithogeochemical sample descriptions and analytical results accompany this report as Appendices I and II respectively.

DISCUSSION OF RESULTS

A total of 9 man days were spent on the geochemical sampling program on the KER claims which was designed to further evaluate the mineral potential of the claims. Samples taken in 1988 along the northern edge of KER 6 claim assayed up to 40 opt in silver and greater than 2% zinc. Samples taken in 1990 in the centre of KER 6 assayed up to 6.0 opt Ag, 16% Zn and >1% Pb. Gold values are generally not significant. Mineralization consists of tetrahedrite, chalcopyrite, sphalerite and galena in barite carbonate veins as well as fine quartz veins in limestones. The limestone is tilted and appears to be folded with the axis trending north-south.

Two 100 metre lines of 3 metre continuous chip sampling was carried out in order to check continuity of mineralization in two different areas. Results of this sampling, although on the low side, indicate that the mineralization is erratic which may be due to widespread narrow shears and veins. The main anomalous Ag-Zn area needs additional work to fully evaluate the potential of the property.

RECOMMENDATIONS

The KER 1-7 mineral claims cover a limestone unit on their western portion in contact with basalts, volcanic units, and andesite flows to the east. Sampling to date has located a large area of anomalous Ag-Zn mineralization on the KER 6 claim.

A program to follow up the Ag-Zn anomaly on the KER 6 mineral claim is necessary to further evaluate the potential of the property. This program should include:

1. Establish a grid over the anomalous silver area
2. Geological mapping in detail
3. Closely spaced sampling program
4. Possible geophysical survey
5. Trenching program to expose fresh bedrock

BIBLIOGRAPHY

Logan, J.M.; Koyanagi, Victor M.; Drobe, John R. Geology, Geochemistry and Mineral Occurrences of the Forrest Kerr-Iskut River Area, Northwestern British Columbia, Open File 1990-2, Ministry of Energy, Mines and Petroleum Resources, Geological Survey Branch.

GSC Open File No. 2094 (1989).

Kerr, 1984: GSC Memoir 246; GSC Maps 9 - 1957; GSC Maps 1481-1979 "Iskut River".

STATEMENT OF QUALIFICATIONS

I, STUART J. TENNANT, of Kestrel Resources Ltd., do hereby certify that:

1. I am a Geologist employed by Kestrel Resources Ltd. during the period October 1989 to present.
2. I am a graduate of the University of British Columbia with a B.Sc. in Geology in 1959.
3. From 1959 until present, I have been engaged in exploration primarily in Western Canada.
4. I personally supervised and participated in the field work and have compiled, reviewed and assessed the data resulting from the work.



Stuart J. Tennant

DATED at Vancouver, British Columbia, this 18th day of September, 1991.

PROGRAM COSTS

S. Tennant Geologist	2 days @ \$325/day	\$	325
C. Buchholz Geologist	1 day @ \$325/day		325
K. Forster Prospector	3 days @ \$200/day		600
W. Grier Prospector	3 days @ \$200/day		<u>600</u>
			<u>2,150</u>
<u>Field Expense</u>			
Room and Board	9 days @ \$125/day		1,125
Helicopter	1.5 hours @ \$800/hour		1,200
Drafting and Maps			50
Assaying (Vangeochem Labs) 75 samples @ \$18/samples			1,350
Report			<u>325</u>
TOTAL COST		\$	<u>6,200</u>

APPENDIX I
Sample Assay Results

1630 PANDORA STREET
VANCOUVER, BC V5L 1L6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1988 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900271 GA

JOB NUMBER: 900271

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 1 OF 1

SAMPLE #	Ag	Au
	ppm	ppb
92384	11.0	nd
92385	50.0	50
92386	19.0	40
92387	33.0	50
92388	6.8	60
92389	nd	30
92390	12.0	30
92391	> 50.0	20

DETECTION LIMIT 0.1 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LA LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
 Ph: (604)251-5656 Fax: (604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95 °C for 90 minutes and is diluted to 10 ml with water.
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Ryan*

REPORT #: 900271 PA

SULLIVAN MANAGEMENT / KESTREL RES.

PROJECT: KERR 5

DATE IN: AUG 20 1990

DATE OUT: SEPT 07 1990

ATTENTION: MR. JOHN BUCHHOLZ

PAGE 1 OF 1

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
92384	11.0	0.11	<3	37	<3	>10.00	297.5	9	55	55	2.57	<0.01	4.11	5825	50	<0.01	43	<0.01	5324	<2	16	666	<5	<3	>20000
92385	50.0	0.01	<3	65	<3	5.58	269.0	6	51	117	0.65	<0.01	0.74	1469	43	<0.01	<1	<0.01	11217	24	10	805	<5	<3	>20000
92386	19.0	0.04	1070	37	<3	3.11	152.2	13	52	2117	2.13	<0.01	1.26	1541	31	<0.01	7	<0.01	648	76	13	702	<5	<3	16162
92387	33.0	0.01	<3	29	<3	>10.00	826.1	13	90	292	5.35	<0.01	7.51	8661	88	<0.01	11	<0.01	5203	37	23	482	<5	<3	>20000
92388	6.8	0.02	<3	10	<3	4.65	>1000.0	14	133	64	0.81	<0.01	1.02	2108	134	<0.01	<1	<0.01	11353	3	22	132	<5	660	>20000
92389	<0.1	<0.01	36	>1000	<3	2.55	29.1	3	150	9	0.38	<0.01	0.47	480	19	<0.01	<1	<0.01	241	<2	11	63	<5	<3	3322
92390	12.0	<0.01	<3	50	<3	7.77	434.7	7	54	157	1.38	<0.01	3.76	3897	52	<0.01	<1	<0.01	3332	15	15	655	<5	42	>20000
92391	>50.0	0.03	243	19	<3	5.31	32.8	11	85	8319	3.10	<0.01	0.35	1710	28	<0.01	3	<0.01	275	502	19	194	<5	<3	3158
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900271 AA

JOB NUMBER: 900271

SULLIVAN MANAGEMENT/KESTRREL RES.

PAGE 1 OF 1

SAMPLE #	Zn %	Ag oz/st
92384	3.97	--
92385	3.87	1.40
92387	7.24	--
92388	16.40	--
92390	3.92	--
92391	--	6.23

DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppm

.01

1 ppm = 0.0001%

.01

ppm = parts per million

< = less than

signed: _____

Raymond

REPORT NUMBER: 900455 GA

JOB NUMBER: 900455

SULLIVAN MANAGEMENT/KBSTREL RES.

PAGE 1 OF 2

SAMPLE #	Ag ppm	Au ppb
80738	.2	nd
80739	nd	nd
80740	nd	nd
80741	3.0	nd
80742	.3	20
80743	.3	20
80744	nd	20
80745	20.6	20
80746	.3	30
80747	.1	nd
80748	.2	20
80749	1.5	nd
80750	.6	20
80751	.2	30
80752	.5	20
80753	nd	nd
80754	nd	nd
80755	nd	nd
80756	nd	nd
80757	nd	nd
80758	nd	nd
80759	.3	180
80760	3.5	20
80761	nd	nd
80762	nd	nd
80763	nd	nd
80764	nd	nd
80765	nd	nd
80766	nd	nd
80767	nd	nd
80768	nd	nd
80769	.5	nd
80770	.4	nd
80771	nd	nd
80772	nd	nd
80773	nd	nd
80774	nd	nd
80775	nd	nd
80776	nd	nd

DETECTION LIMIT 0.1 5

nd = none detected -- = not analysed ls = insufficient sample

REPORT NUMBER: 900455 GA

JOB NUMBER: 900455

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 2 OF 2

SAMPLE #	Ag ppm	Au ppb
80777	.2	nd
80778	.2	nd
80779	.1	nd
80780	nd	nd
80781	nd	nd
80782	.3	nd
80783	.3	nd
80784	nd	nd
80785	.2	20
80786	.1	nd
80787	nd	nd
80788	nd	10
80789	nd	nd
80790	nd	10
80791	nd	nd
80792	.1	20
80793	.1	10
80794	nd	nd
80795	nd	nd
80796	nd	nd
80797	.2	10
80798	.1	10
80799	.2	nd
80800	nd	nd
80801	3.6	nd
80802	.2	nd

DETECTION LIMIT
 nd = none detected

0.1 5
 -- = not analysed

is = insufficient sample

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Ryan*

REPORT #: 900455 PA SULLIVAN MANAGEMENT / KESTREL RES. PROJECT: KER-6-7 DATE IN: SEPT 12 1990 DATE OUT: OCT 09 1990 ATTENTION: MR. TENNANT & MR. BUCHHOLZ PAGE 1 OF 2

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
80738	0.2	0.02	<3	>1000	<3	>10.00	<0.1	<1	6	23	0.32	<0.01	0.84	933	3	0.03	10	<0.01	38	8	<2	269	<5	<3	23
80739	<0.1	0.02	<3	>1000	<3	>10.00	0.7	<1	20	10	0.26	<0.01	0.51	1002	4	0.04	10	<0.01	60	7	<2	269	<5	<3	44
80740	<0.1	0.03	<3	>1000	<3	>10.00	0.9	<1	6	15	0.29	<0.01	0.43	1229	5	0.03	10	<0.01	68	8	<2	301	<5	<3	39
80741	3.0	0.04	400	240	<3	>10.00	100.8	2	16	1271	0.68	0.10	0.13	781	3	0.10	7	<0.01	684	28	<2	727	<5	<3	2655
80742	0.3	0.06	33	>1000	<3	>10.00	5.7	<1	9	145	0.21	<0.01	0.44	1116	4	0.04	10	0.01	67	12	<2	265	<5	<3	197
80743	0.3	0.03	77	591	<3	>10.00	2.1	2	18	275	0.43	<0.01	0.55	1159	3	0.03	6	<0.01	58	13	<2	539	<5	<3	184
80744	<0.1	0.02	<3	>1000	<3	>10.00	0.7	<1	6	17	0.23	<0.01	1.56	977	6	0.03	8	<0.01	45	8	2	238	<5	<3	29
80745	20.6	0.02	<3	60	<3	>10.00	165.8	2	14	146	0.98	0.03	3.41	3493	7	0.48	5	<0.01	1665	45	3	627	<5	<3	15527
80746	0.3	0.04	<3	347	<3	>10.00	3.7	1	7	12	0.58	<0.01	2.24	1943	7	0.04	8	<0.01	80	11	2	234	<5	<3	302
80747	0.1	0.02	<3	>1000	<3	>10.00	2.0	<1	7	22	0.59	<0.01	1.41	2363	5	0.04	7	<0.01	65	9	3	202	<5	<3	172
80748	0.2	0.02	20	619	<3	>10.00	3.0	2	5	120	0.99	<0.01	2.76	4083	7	0.04	5	<0.01	124	15	3	374	<5	<3	308
80749	1.5	0.02	36	850	<3	>10.00	1.8	<1	4	261	1.10	0.03	1.57	3125	5	0.03	6	<0.01	55	15	3	617	<5	<3	131
80750	0.6	0.02	10	799	<3	>10.00	2.3	2	7	72	1.15	<0.01	2.86	5478	9	0.04	7	<0.01	59	15	5	270	<5	<3	112
80751	0.2	0.02	<3	>1000	<3	>10.00	3.0	<1	6	26	0.19	<0.01	0.34	1023	4	0.04	4	<0.01	54	13	2	242	<5	<3	145
80752	0.5	0.03	<3	>1000	<3	>10.00	4.4	<1	3	13	0.14	<0.01	0.28	680	3	0.04	3	<0.01	47	8	<2	218	<5	<3	338
80753	<0.1	0.03	<3	430	<3	>10.00	0.8	1	4	6	0.12	<0.01	0.70	441	5	0.03	7	<0.01	48	9	<2	154	<5	<3	26
80754	<0.1	<0.01	<3	477	<3	>10.00	<0.1	<1	20	6	0.16	<0.01	0.83	529	4	0.03	6	<0.01	41	7	<2	129	<5	<3	22
80755	<0.1	0.01	<3	167	<3	>10.00	1.1	<1	29	5	0.23	<0.01	0.81	829	4	0.03	3	<0.01	45	8	<2	161	<5	<3	17
80756	<0.1	0.02	<3	317	<3	>10.00	<0.1	<1	5	5	0.13	<0.01	0.37	723	3	0.03	3	<0.01	52	7	2	148	<5	<3	10
80757	<0.1	0.01	<3	>1000	<3	>10.00	1.0	<1	6	7	0.32	<0.01	1.67	1300	6	0.03	4	<0.01	47	9	3	169	<5	<3	20
80758	<0.1	0.03	<3	197	<3	>10.00	1.4	1	4	7	0.17	<0.01	0.88	717	5	0.03	9	<0.01	57	9	3	167	<5	<3	33
80759	0.3	0.02	48	87	<3	>10.00	104.3	2	7	238	0.48	0.02	3.31	1336	8	0.36	3	<0.01	63	10	4	572	<5	<3	11570
80760	3.5	<0.01	278	10	<3	>10.00	>1000.0	7	34	1116	1.06	<0.01	3.85	3627	25	4.16	12	<0.01	113	17	7	97	<5	<3	>20000
80761	<0.1	0.01	<3	>1000	<3	>10.00	15.1	<1	6	18	0.41	<0.01	5.43	1425	11	0.07	6	<0.01	33	8	5	139	<5	<3	1305
80762	<0.1	0.03	<3	548	<3	>10.00	13.8	<1	4	17	0.38	<0.01	2.52	1014	6	0.07	3	<0.01	52	9	4	144	<5	<3	1159
80763	<0.1	0.02	<3	>1000	<3	>10.00	1.5	<1	3	5	0.33	<0.01	1.89	1261	6	0.03	3	<0.01	46	8	4	247	<5	<3	80
80764	<0.1	<0.01	<3	210	<3	>10.00	2.8	1	3	4	0.18	<0.01	2.31	918	7	0.04	3	<0.01	50	11	4	143	<5	<3	79
80765	<0.1	<0.01	<3	254	<3	>10.00	1.2	<1	3	3	0.25	<0.01	4.47	1202	11	0.03	6	<0.01	40	9	4	98	<5	<3	38
80766	<0.1	<0.01	<3	>1000	<3	>10.00	2.8	<1	3	9	0.24	<0.01	2.94	1256	6	0.04	3	<0.01	39	8	4	133	<5	<3	228
80767	<0.1	0.02	<3	413	<3	>10.00	1.8	<1	2	2	0.16	<0.01	1.78	724	5	0.03	4	<0.01	45	9	4	132	<5	<3	67
80768	<0.1	<0.01	<3	121	<3	>10.00	1.1	<1	3	2	0.16	<0.01	2.37	870	6	0.03	4	<0.01	45	6	4	116	<5	<3	26
80769	0.5	<0.01	<3	48	<3	>10.00	1.8	<1	4	2	0.19	<0.01	3.41	795	7	0.03	6	<0.01	41	5	4	104	<5	<3	42
80770	0.4	<0.01	<3	84	<3	>10.00	<0.1	<1	38	4	0.21	0.11	0.67	458	2	0.02	1	<0.01	29	8	<2	44	<5	<3	82
80771	<0.1	<0.01	<3	31	<3	>10.00	<0.1	<1	49	2	0.19	0.02	0.85	775	3	0.03	<1	<0.01	36	10	<2	146	<5	<3	40
80772	<0.1	<0.01	<3	29	<3	>10.00	<0.1	<1	16	1	0.10	<0.01	0.47	720	2	0.02	<1	<0.01	33	9	<2	240	<5	<3	19
80773	<0.1	<0.01	<3	44	<3	>10.00	<0.1	<1	33	1	0.10	<0.01	0.23	509	2	0.03	<1	<0.01	42	7	<2	97	<5	<3	35
80774	<0.1	<0.01	<3	91	<3	>10.00	<0.1	<1	30	2	0.15	<0.01	0.46	684	2	0.02	<1	<0.01	36	8	<2	105	<5	<3	29
80775	<0.1	<0.01	<3	33	<3	>10.00	1.7	<1	<1	1	<0.01	<0.01	0.17	259	2	0.03	<1	<0.01	47	4	<2	116	<5	<3	22
80776	<0.1	<0.01	<3	67	<3	>10.00	<0.1	<1	15	1	0.21	<0.01	1.26	901	2	0.03	<1	<0.01	48	7	4	98	<5	<3	28

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 2000 1000 10000 100 1000 20000
 < - Less Than Minimum > - Greater Than Maximum is - insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95 °C for 90 minutes and is diluted to 10 ml with water.
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Raymond*

REPORT #: 900455 PA SULLIVAN MANAGEMENT / KESTREL RES. PROJECT: KER-6-7 DATE IN: SEPT 12 1990 DATE OUT: OCT 09 1990 ATTENTION: MR. TENNANT & MR. BUCHHOLZ PAGE 2 OF 2

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
80777	0.2	0.01	<3	126	<3	>10.00	0.2	<1	3	2	0.03	<0.01	0.17	274	5	0.04	10	<0.01	32	6	4	126	<5	<3	21
80778	0.2	0.01	<3	272	<3	>10.00	0.8	<1	14	3	0.12	<0.01	0.20	731	3	0.03	5	<0.01	37	5	<2	343	<5	<3	42
80779	0.1	0.02	<3	85	<3	>10.00	<0.1	<1	35	3	0.23	0.09	0.49	676	4	0.02	9	<0.01	26	5	<2	89	<5	<3	37
80780	<0.1	<0.01	<3	28	<3	>10.00	1.0	<1	13	2	0.06	<0.01	0.19	438	4	0.03	5	<0.01	32	3	3	123	<5	<3	34
80781	<0.1	0.02	<3	80	<3	>10.00	1.7	<1	41	3	0.30	0.02	0.49	797	2	0.02	5	<0.01	28	2	<2	85	<5	<3	88
80782	0.3	<0.01	<3	70	<3	>10.00	<0.1	<1	11	2	0.04	<0.01	0.15	382	4	0.03	2	<0.01	28	7	3	114	<5	<3	36
80783	0.3	<0.01	<3	403	<3	>10.00	0.8	<1	5	2	<0.01	<0.01	0.16	312	4	0.03	7	<0.01	34	<2	3	140	<5	<3	27
80784	<0.1	<0.01	<3	176	<3	>10.00	0.7	<1	3	2	<0.01	<0.01	0.19	311	4	0.03	6	<0.01	37	3	<2	150	<5	<3	41
80785	0.2	0.02	<3	42	<3	>10.00	<0.1	<1	70	2	0.17	0.11	0.14	518	<1	0.01	3	<0.01	16	3	<2	56	<5	<3	43
80786	0.1	0.02	<3	25	<3	>10.00	<0.1	<1	23	2	0.07	0.03	0.10	459	2	0.02	4	<0.01	17	3	<2	87	<5	<3	37
80787	<0.1	0.01	<3	18	<3	>10.00	0.5	<1	29	1	0.04	<0.01	0.17	445	2	0.03	6	<0.01	33	3	<2	141	<5	<3	27
80788	<0.1	<0.01	<3	13	<3	>10.00	1.1	<1	18	1	0.02	<0.01	0.12	419	3	0.03	4	<0.01	33	<2	<2	102	<5	<3	21
80789	<0.1	0.02	<3	23	<3	>10.00	<0.1	<1	48	2	0.07	0.07	0.07	301	<1	0.02	<1	<0.01	14	<2	<2	56	<5	<3	28
80790	<0.1	<0.01	<3	12	<3	>10.00	1.4	<1	4	1	0.04	<0.01	1.00	680	4	0.03	1	0.01	42	2	3	125	<5	<3	18
80791	<0.1	0.01	<3	8	<3	>10.00	1.0	<1	<1	<1	<0.01	<0.01	0.31	389	3	0.05	<1	<0.01	27	2	5	113	<5	<3	28
80792	0.1	<0.01	<3	14	<3	>10.00	1.2	<1	4	<1	<0.01	<0.01	0.28	248	3	0.03	<1	<0.01	44	2	<2	109	<5	<3	24
80793	0.1	0.01	<3	19	<3	>10.00	1.0	<1	4	<1	<0.01	<0.01	0.14	248	3	0.04	<1	<0.01	30	5	3	107	<5	<3	18
80794	<0.1	0.01	<3	179	<3	>10.00	1.4	<1	<1	<1	<0.01	<0.01	0.12	923	3	0.04	<1	<0.01	47	3	4	142	<5	<3	36
80795	<0.1	0.02	<3	17	<3	>10.00	1.3	<1	<1	<1	<0.01	<0.01	0.15	475	2	0.04	<1	<0.01	46	3	3	148	<5	<3	28
80796	<0.1	0.02	<3	19	<3	>10.00	1.5	<1	27	<1	0.04	<0.01	0.10	434	2	0.02	<1	0.01	30	2	<2	92	<5	<3	34
80797	0.2	0.02	<3	30	<3	>10.00	<0.1	<1	56	1	0.10	0.05	0.10	441	<1	0.03	<1	<0.01	36	4	<2	83	<5	<3	33
80798	0.1	0.02	<3	11	<3	>10.00	<0.1	<1	53	<1	0.07	0.11	0.05	185	3	0.02	<1	<0.01	15	<2	<2	51	<5	<3	15
80799	0.2	0.02	<3	28	<3	>10.00	<0.1	<1	76	<1	0.08	0.13	0.04	349	<1	0.02	<1	<0.01	13	4	<2	42	<5	<3	18
80800	<0.1	0.01	<3	302	<3	>10.00	1.0	<1	7	<1	<0.01	<0.01	0.13	570	1	0.04	<1	0.01	46	3	3	150	<5	<3	22
80801	3.6	0.04	<3	>1000	<3	>10.00	5.5	<1	42	25	0.47	0.02	0.54	1702	2	0.04	<1	<0.01	59	15	3	134	<5	<3	425
80802	0.2	0.02	<3	67	<3	>10.00	<0.1	<1	48	<1	0.04	0.07	0.08	352	<1	0.04	<1	<0.01	39	7	4	68	<5	<3	34

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 2000 1000 10000 100 1000 20000
 < - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

REPORT NUMBER: 900455 AA

JOB NUMBER: 900455

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 1 OF 1

SAMPLE #

Zn
%

80760

11.30

DETECTION LIMIT

.01

1 Troy oz/short ton = 34.28 ppm

1 ppm = 0.0001%

ppm = parts per million

< = less than

signed: _____

[Signature]

APPENDIX II
Sample Descriptions

Geochemical Data Sheet - ROCK SAMPLING

Sampler Kent Forster + Wes Grier
 Date Aug 29/90

Project Iskut
 Property Kerr 6

Location _____
 M.D. _____

NTS _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width	DESCRIPTION			OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Ag ppm	Au ppb.				
	Onp line 4250ft. El.	Select Grab	3m	Limestone	Small Sm. Crinoids		dip 50° 46°-42° S.W.	.2	nd				
80738	0m-3m			"			" "	nd	nd				
80739	3m-6m			"	Silicifide Veins		dip 48° SW	nd	nd				
80740	6m-9m			Barite 60cm	Malichite Azurite	Galena Chalco Tetrahedrite	Barite in fracture	3.0	nd				
80741	9m-12m							.3	20				
80742	12m-15m			Limestone	Small Silicifide stringers			.3	20				
80743	15m-18m			"	Barite	Galena mal. → Azure -ite	Barite → 70° ↓ 74° to the N.	nd	20				
80744	18m-21m			"			dip 60° to the S.W.	20.6	20				
80745	21m-24m			"	Silicifide Limestone	Sphalerite Galena Chalco	malichite Azurite	.3	30				
80746	24m-27m			"	Small amount of Barite		dip 55° to the S.W.	.1	nd				
80747	27m-30m												
80748	30m-33m			Barite + Silic Limestone	Malichite / Azurite	Tetrahedrite / Chalco	3m x 5m	.2	20				
80749	33m-36m			"	"	"	"	1.5	nd				
80750	36m-39m			Carbonated Limestone	Barite 20cm x 1m		2-2.3m x 5m → 110° ↓ 52° to the SW	.6	20				
80751	39m-42m			"				.2	30				
80752	42m-45m			"	traces of Barite			.5	20				
80753	45m-48m			"	"			nd	nd				
80754	48m-51m			"	"			nd	nd				
80755	51m-54m			"				nd	nd				
80756	54m-57m	✓	✓	"			Barite 3m Above	nd	nd				

Geochemical Data Sheet - ROCK SAMPLING

Sampler Kent Forster & Wes Grier
 Date Aug 29/90

Project Iskut
 Property Kerr

Location _____
 M.D. _____
 NTS _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width	DESCRIPTION			OBSERVATIONS	ASSAYS						
				Rock Type	Alteration	Mineralization		Ag ppm	Au ppb					
	Chip Line 4250 Ft. El.	Select Grab	3m											
80757	57m-60m			Limestone	Small Amount		dip - 50°-52° to the SW.	nd	nd					
80758	60m-63m			"	"			nd	nd					
80759	63m-66m			Carbonated Limestone			dip 52° to the SW. Barite 2m Above	.3	180					
80760	66m-69m			Limestone Barite	Azurite, Mal.	Chalco Sphalerite Tetrahedrite	Barite 60cm x 2m	3.5	20					
80761	69m-72m			Limestone			dip 50° SW.	nd	nd					
80762	72m-75m			"			" "	nd	nd					
80763	75m-78m			"			" "	nd	nd					
80764	78m-81m			"				nd	nd					
80765	81m-84m			Cynoids Limestone				nd	nd					
80766	84m-87m			"			dip 35° SW	nd	nd					
80767	87m-90m			"			dip 50° SW	nd	nd					
80768	90m-93m			"			" " "	nd	nd					
80769	93m-96m			"			" " "	.5	nd					

Geochemical Data Sheet - ROCK SAMPLING

NTS _____

Sampler Kent Forster/Wes Gries

Project Iskut

Location _____

Date Aug 30/90

Property Kerr 6

M.D. _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width	DESCRIPTION			OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Ag ppm	Au ppb				
	Ch. p Line on most Westerly fault	Select Grab	3m	Limestone Inter bedded Silicified			Silicified Limestone vein 60cm wide ↓ 60° to the SW	.4	nd				
80770	0m - 3m			"			30cm of Silicified Limestone Limestone - 60cm of Silicate of same dip + strike	nd	nd				
80771	3m - 6m			"			30cm Silicified Limestone vein in middle of 3m str. ↓ 56° to SW	nd	nd				
80772	6m - 9m			"			20cm Silicified Limestone vein of end of section ↓ 50° to the SW	nd	nd				
80773	9m - 12m			"			Same / faulted 1m to the SW. Cross Bedded Fracture ↓ 50° to SW	nd	nd				
80774	12m - 15m			"			" " " " " "	nd	nd				
80775	15m - 18m			"			" " " " " "	nd	nd				
80776	18m - 21m			"			Silicified vein 40-25m wide ↓ SE SW 10cm vein parallel						
80777	21m - 24m			Limestone				.2	nd				
80778	24m - 27m			Inter bedded Lime/Sil.			Silicified vein 60cm wide ↓ 48° to the SW. Cont. into 80779	.2	nd				
80779	27m - 30m			"			" " " "	.1	nd				
80780	30m - 33m			Limestone				nd	nd				
80781	33m - 36m			Silicified Limestone Limestone			Cryonids - 2.5m wide ↓ 46° to the SW.	nd	nd				
80782	36m - 39m			"				.3	nd				
80783	39m - 42m			"				.3	nd				
80784	42m - 45m			Inter bedded Lime/Sil.			Vein with cryonids 1m wide ↓ 44° to the SW.	nd	nd				
80785	45m - 48m			"			" " " "	.2	20				
80786	48m - 51m			"			Silicification 45cm wide ↓ 40° to SW. dip to Edge of Sta.	.1	nd				
80787	51m - 54m			Limestone				nd	nd				
80788	54m - 57m			Inter bedded Lime/Sil.			Vein 20cm wide ↓ 50° to SW. Running through middle	nd	10				

Geochemical Data Sheet - ROCK SAMPLING

NTS _____

Sampler Kent Foster/Wes Grier
Date Aug 30/90

Project Iskut
Property Kerrb

Location _____
M.D. _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width	DESCRIPTION			OBSERVATIONS	ASSAYS						
				Rock Type	Alteration	Mineralization		Ag ppm	Au ppb.					
	Chip Line on most Westerly fault	Select Grab	3m	Inter Bedded Limestone & Silicified Limestone										
80789	57m-60m			"	"	"	Silicified vein 1m wide ↓ 50° to SW.	nd	nd					
80790	60m-63m			Limestone				nd	10					
80791	63m-66m			"				nd	nd					
80792	66m-69m			"				.1	20					
80793	69m-72m			"			Small silicified sweat	.1	10					
80794	72m-75m			"			" " "	nd	nd					
80795	75m-78m			"				nd	nd					
80796	78m-81m			"				nd	nd					
80797	81m-84m			Inter Bedded Limestone & Silicious Veins			Silicified vein 2m wide ↓ 52° to SW.	.2	10					
80798	84m-87m			"	"		Two silicified sweats 10cm wide ↓ 50° SW.	.1	10					
80799	87m-90m			"	"		Three silicified sweats 20-30cm wide ↓ 45° SW.	.2	nd					
80800	90m-93m			"	"		" " " fracture	nd	nd					
80801	93m-96m			"	"		" " " Benke in fracture → 42° ↓ 80° to E.	3.6	nd					
80802	96m-99m			Limestone			Small silicious sweats	.2	nd					
E.O.L.														

Geochemical Data Sheet - ROCK SAMPLING

NTS 104 B/S

Sampler Kent Forster

Project ISKut

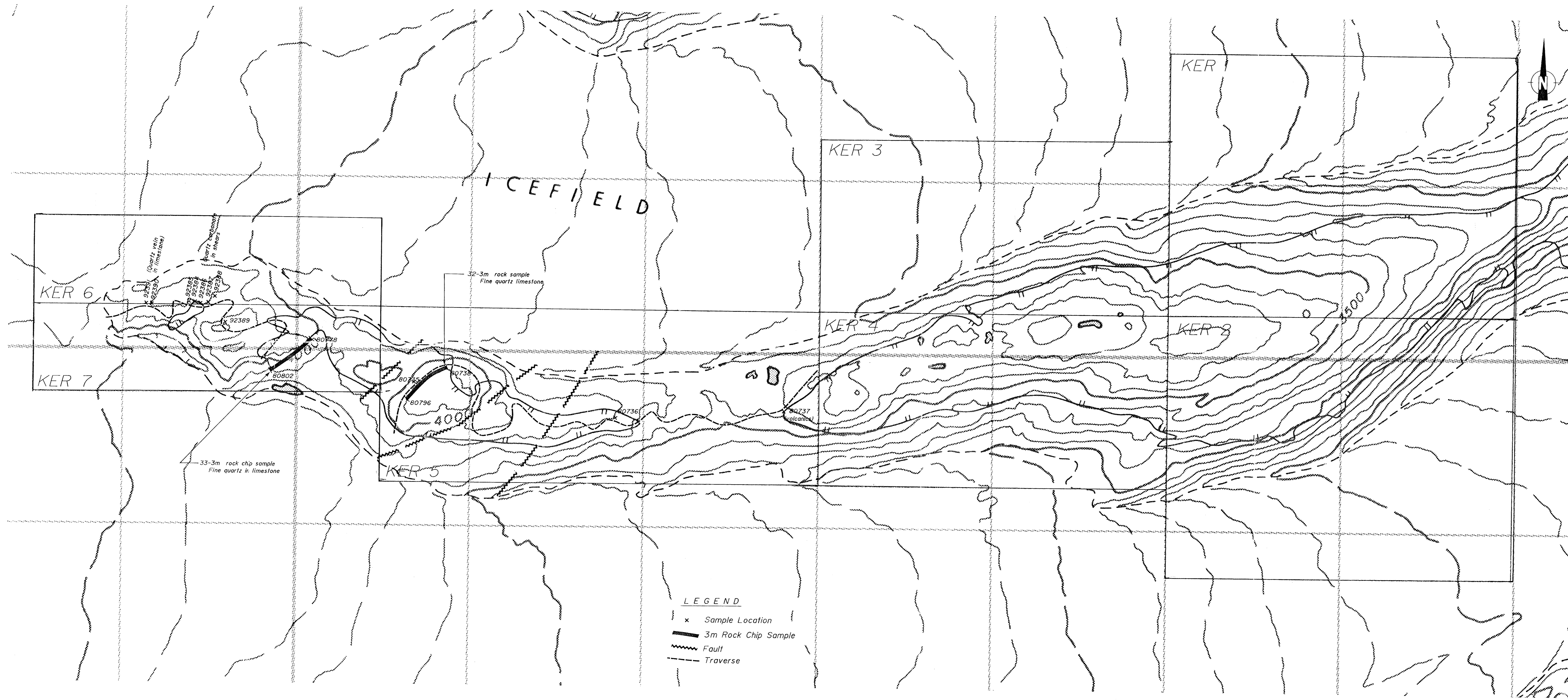
Location Ref Forest Kerr Cr.

Date Aug 7/90

Property Kerr 7

Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		ppm Ag	% Cd	% Cu	ppm Zn	ppm W	ppm Al
92384	E1. 4260F4	Select Grab Rock	30cm	Qtz Carbonate Shear	Limonite staining	Selenic	20cm x 60cm → 65° In E.W. Trending fault 250m from tip	11.0	10%		20000		nd
92385	"	"	20cm	"	"	"	→ 80° 25cm x 5m 10m SW of 92384	50	5.5		20000		50
92386	E1. 4250 F4	"	20cm	"	Malachite Limonite staining	Qtz Chalco Kyanite	30cm x 10m → 280° & 90° 20m South of 92385	19	3.1	2117	16116		40
92387	E1. 4220F4	"	30cm	"	Limonite staining Sphalerite	Galena Chalco	1m x 2m 30m West of 92385 on N. side of fault	33	7100		20000		50
92388	E1. 4200F4	"	20cm	"	magenes	"	20m South of 92387 on East Side of fault	06	4.6		20000	660	60
92389	E1. 4200 F4	"	1m	Qtz Vein	Limonite staining	"	1.5 x 25m → 350° & 60-65° E. 30m East of 92384	7.1	2.5		3322		30
92390	E1. 4280 F4	"	15cm	Qtz. Bank Vein	"	Galena	15cm x 3m → 260° & 90° 250m W of 92384	12	7.7		20000	42	30
92391	E1. 4260F4	"	30cm	"	Limonite magenes Malachite	Galena Chalco Sphalerite	1m x 250° 250m from 92384	750	5.3	8319	3150		20



LEGEND
 x Sample Location
 — 3m Rock Chip Sample
 - - - Fault
 - - - Traverse

Sample No.	As (ppb)	Ag (ppm)	Zn (t)	Pb (t)
92384	nd	11	3.97	0.53
92385	20	50(1.4 opt)	3.87	1.12
92386	40	19	1.62	0.06
92387	20	33	2.26	0.52
92388	20	6.8	16.40	1.35
92389	30	nd	0.33	0.02
92390	20	12	3.92	0.33
92391	20	>50(6.23 opt)	0.32	0.03
80735	10	3.6	0.56	0.07
80736	20	30.0	4.43	0.63
80737	nd	1.3	0.11	
80738	nd	0.2		
80739	nd	nd		
80740	nd	nd		
80741	nd	3.0	0.27	0.07
80742	20	0.3		
80743	20	0.3		
80744	20	nd		
80745	20	20.6	1.55	0.17
80746	30	0.3		
80747	nd	0.1		
80748	20	0.2		
80749	nd	0.6		
80750	20	1.5		
80751	30	0.2		
80752	20	0.5		
80753	nd	nd		
80754	nd	nd		
80755	nd	nd		
80756	nd	nd		
80757	nd	nd		
80758	nd	nd		
80759	100	nd		
80760	20	0.3	1.16	
80761	nd	nd		
80762	nd	3.5	0.01	
80763	nd	nd	0.01	
80764	nd	nd		
80765	nd	nd		
80766	nd	nd		
80767	nd	nd		
80768	nd	nd		
80769	nd	0.5		
80770	nd	0.4		
80771	nd	nd		
80772	nd	nd		
80773	nd	nd		
80774	nd	nd		
80775	nd	nd		
80776	nd	nd		
80777	nd	0.2		
80778	nd	0.2		
80779	nd	0.1		
80780	nd	nd		
80781	nd	0.3		
80782	nd	0.3		
80783	nd	nd		
80784	nd	0.2		
80785	nd	0.1		
80786	nd	nd		
80787	nd	nd		
80788	10	nd		
80789	nd	nd		
80790	10	nd		
80791	nd	nd		
80792	20	0.1		
80793	10	0.1		
80794	nd	nd		
80795	nd	nd		
80796	nd	nd		
80797	10	0.2		
80798	10	0.1		
80799	nd	0.2		
80800	nd	nd		
80801	nd	3.6		
80802	nd	0.2		

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

21,696
 0 250 500 750 m

KESTREL RESOURCES LTD.
 KER 1-7 MINERAL CLAIMS
 SAMPLE LOCATION MAP
 LIARD MINING DIVISION, B.C.
 DATE : SEPTEMBER 1991 SCALE : 1 : 10 000
 DRAWN : S. TENNANT FIGURE : 5