

LOG NO: 12-07
ACTION:
FILE NO:

**REPORT ON THE
KIK 1 GROUP
(KIK 1-5 Mineral Claims)**

1990 PROSPECTING PROGRAM

ISKUT RIVER AREA
LIARD MINING DIVISION
BRITISH COLUMBIA

**SUB-RECORDER
RECEIVED
DEC 5 - 1990**
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VANCOUVER, B.C.

56° 54' NORTH LATITUDE
130° 44' WEST LONGITUDE
NTS 104 B/15

KIK- I Group

Claim Name	Record No.	No. of Units	Record Date
KIK			
1	6375	20	Sept. 9, 1989
2	6376	12	Sept. 9, 1989
3	6377	16	Sept. 17, 1989
4	6378	16	Sept. 17, 1989
5	6379	16	Sept. 17, 1989

Work Period: July, 1990 to September 5, 1990

Owner and Operator Kestrel Resources Ltd.
507 - 675 West Hastings Street
Vancouver, B.C.
V6B 1N2
(604) 683-9177

By:
S.J. Tennant
J. Buchholz

November 8, 1990

20,597

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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SUMMARY

A preliminary program of prospecting and sampling was carried out on the KIK 1-5 group of mineral claims during the summer of 1990, to evaluate the mineral potential.

The claims are accessed by helicopter from a base camp at the Forrest Kerr airstrip. A total of 47 rock samples and 3 silt samples were collected.

The claims are predominantly underlain by Jurassic intrusives in contact with undivided Paleozoic metavolcanics and metasediments in the northern portion of the claim block.

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

INTRODUCTION

The KIK 1-5 claims were acquired by staking in September of 1989 on behalf of Kestrel Resources Ltd. The claims are located on and west of Forrest Kerr Creek in the Iskut River area of northwestern British Columbia and cover ground predominantly underlain by Jurassic intrusives in contact with undivided Paleozoic metavolcanics and metasediments in the northern portion of the claim block.

A program of preliminary prospecting and sampling was carried out by Kestrel Resources Ltd. during the summer of 1990, to evaluate the mineral potential of the property.

LOCATION, ACCESS AND TOPOGRAPHY

The property is located within the Liard Mining Division 25 kilometres due north of the junction of McLymont Creek with the Iskut River. Latitude $50^{\circ} 54'$ North and Longitude $130^{\circ} 44'$ West pass through the property. Access to the property is via fixed wing aircraft from Smithers or Terrace to Bronson, which is located 110 kilometres northwest of Stewart, British Columbia, or to Forrest Kerr located at the headwaters of the Forrest Kerr River. Access from Bronson is via helicopter (35 kilometres) and then via foot traverse within the claims. Most of the property is accessible by foot or helicopter, although there are portions at higher elevations which are not readily accessible due to steep terrain or ice. Elevations range from 485 metres A.S.L. at the Forrest Kerr River valley to well above 1,700 metres (ridge on KIK 5 M.C.). Above 1,200 metres the claims are devoid of vegetation except for shrubs and grasses, and exhibit abundant outcrop. Below this elevation the usual coast mountain evergreens, devils club and alder predominate. Precipitation exceeds 4,000 mm (160 inches) annually, while temperatures range from 40° to $+25^{\circ}$ Centigrade.

KESTREL RESOURCES LTD.

KIK 1-5 MINERAL CLAIMS
LIARD MINING DIVISION, B.C.

LOCATION MAP

S. TENNANT

N.T.S. 104 B/15

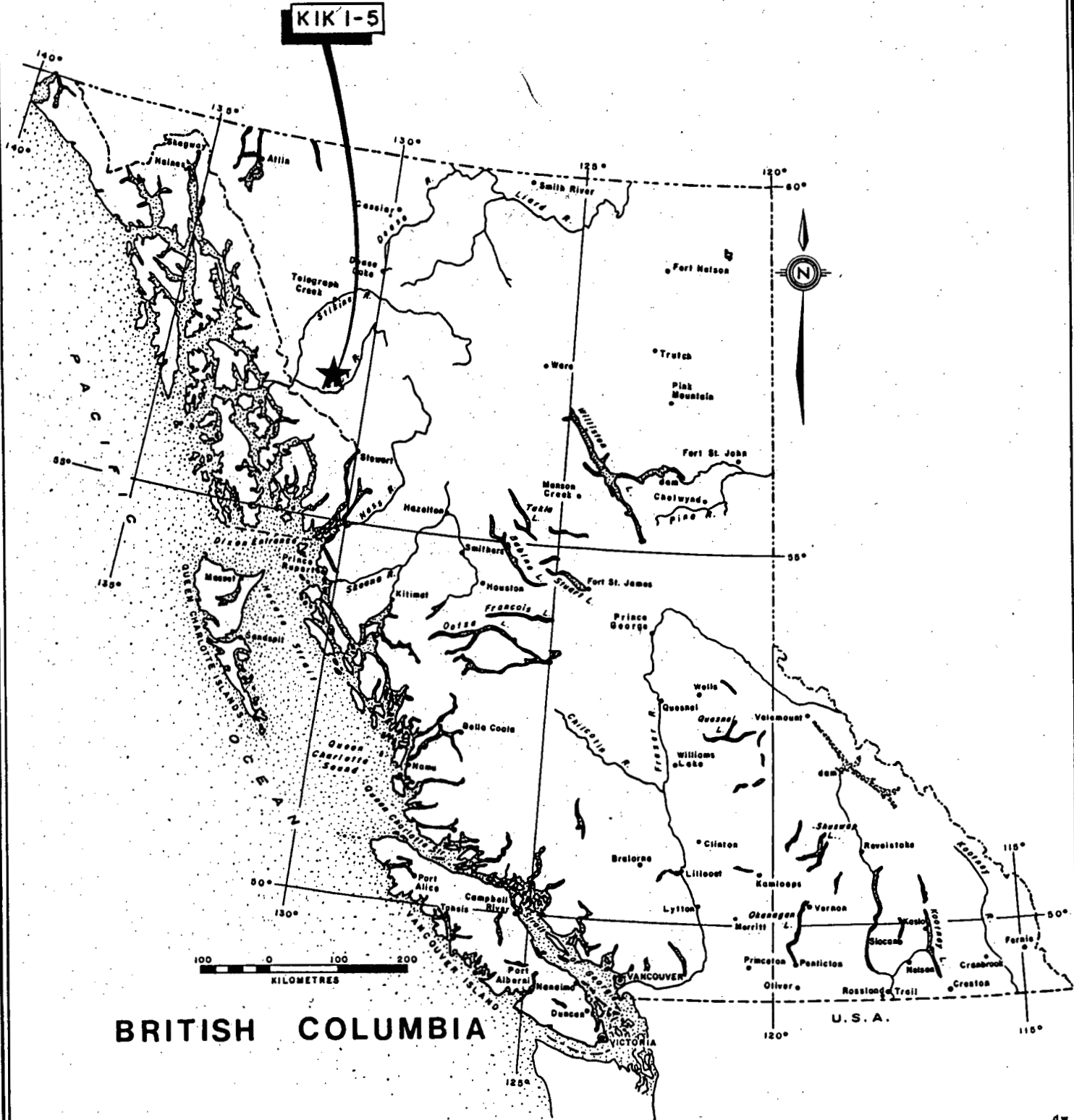
SCALE: As Shown

FIG.

DATE: NOV. 1990

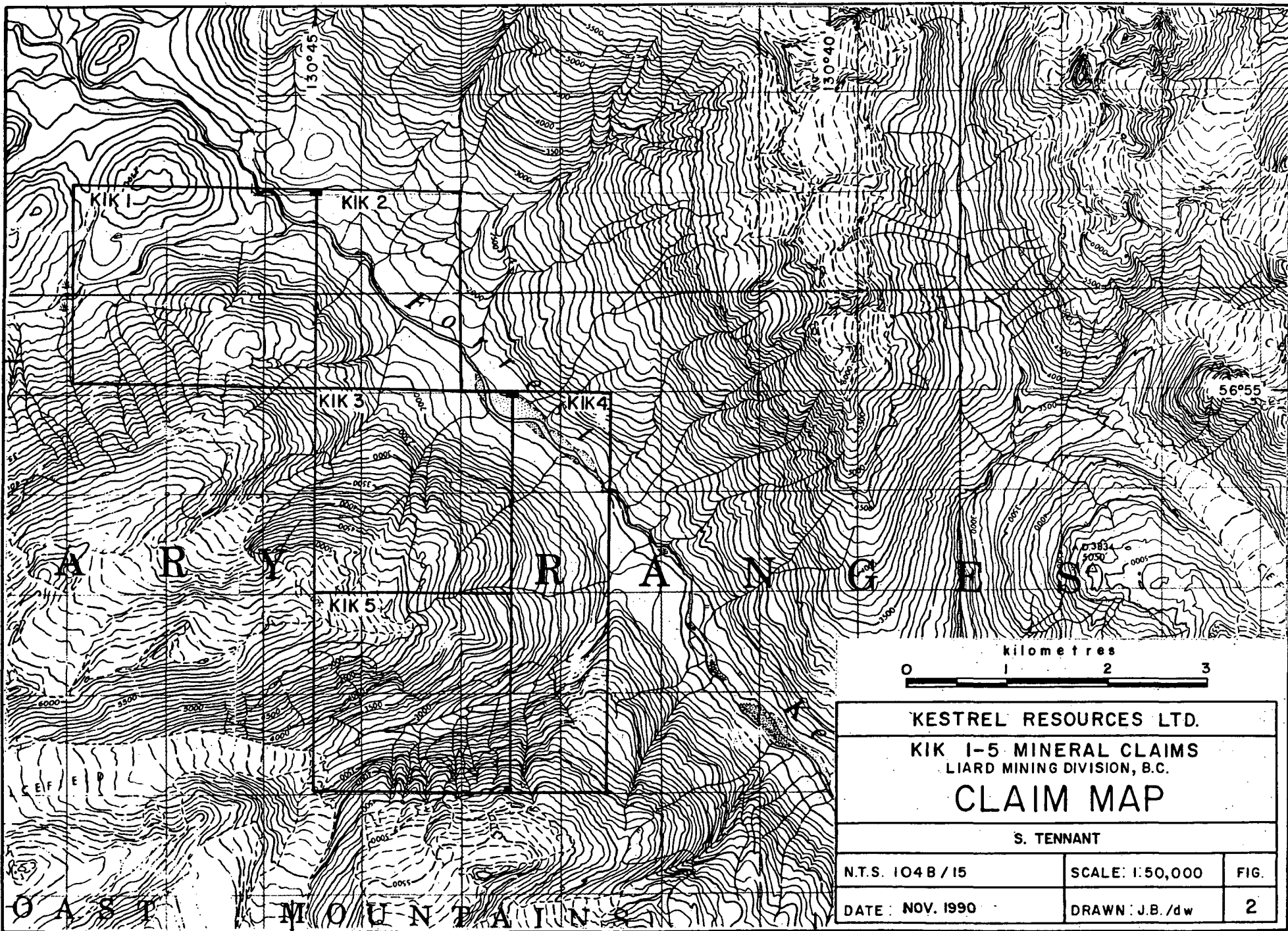
DRAWN: J. B./dw

1



BRITISH COLUMBIA

U.S.A.



KESTREL RESOURCES LTD.
 KIK 1-5 MINERAL CLAIMS
 LIARD MINING DIVISION, B.C.
CLAIM MAP
 S. TENNANT
 N.T.S. 104B/15 SCALE: 1:50,000 FIG.
 DATE: NOV. 1990 DRAWN: J.B./dw 2

PROPERTY AND LIST OF CLAIMS

The KIK prospect consists of the following modified grid claims controlled 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>
KIK 1	6375	20	Sept 9/89	Sept 9/90
KIK 2	6376	12	Sept 9/89	Sept 9/90
KIK 2	6377	16	Sept 17/89	Sept 17/90
KIK 4	6378	16	Sept 17/89	Sept 17/90
KIK 5	6379	16	Sept 17/89	Sept 17/90

AREA HISTORY

Although the Iskut River region has been explored intermittently since the beginning of the century (1907) the bulk of exploration has been completed since 1960 with activity culminating in 1988-89 in an area known as the "Stikine Arch".

The Stikine Arch encompasses approximately 20,000 square kilometres (7,700 square miles) and is located within the following geographical centres of northern British Columbia - Telegraph Creek (Latitude 57° 57'N, Longitude 131° 07'W) which represents the northern boundary - Stewart (Latitude 55° 55'N, Longitude 130° 00'W) the southeast boundary and the junction of the Iskut River with the Stikine River (Latitude 56° 45'N, Longitude 131° 45'W) which is the southwest corner.

In 1907, a staking party from Wrangell, Alaska recorded nine mineral claims north of Johnny Mountain. Iskut Mining Company worked these crown granted claims undertaking trenching and drifting on veins yielding galena, gold and silver. The 1917 Minister of Mines annual report states the Iskut Mining Company shipped a ton of ore which yielded, in 1917 currency, \$1.20 in gold, 44.2 ounces of silver and 12.45 percent copper. Hudson Bay Mining & Smelting Ltd. located high grade gold, silver and lead in float during 1954. This was known as the Pick Axe showing and forms part of the Skyline Exploration Stonehouse Gold deposit on Johnny Mountain.

Throughout the 1960's, several major mining companies undertook exploration programs in the Johnny Mountain and Sulphurets Creek region. This work resulted in the discovery of several porphyry copper-molybdenum targets. Cominco completed several core holes on Johnny Mountain in 1965.

Skyline staked the Inel property in 1969 following the discovery of massive sulphide in float on the Bronson Glacier and later in 1980 restaked the Reg property. During the period of 1981 to present, Skyline has developed both these properties discovering high grade veins and polymetallic massive sulphide mineralization on the Inel and Reg properties. As of October 1989, Skyline reported reserves from the Stonehouse Gold Deposit of 740,000 s.t. grading 18.0 gms/tonne (0.52 opt) gold. Silver and copper average about 27.0 gms (0.79 opt) and 0.76 percent, respectively. The company experienced difficulties with both recovery of metal and ore reserves throughout its production period and announced in the summer of 1990 that it had exhausted all proven ore reserves requiring a shutdown effective in September of 1990.

During 1989, Inel completed 106 metres (350 feet) of underground drifting and 8,514 metres (27,934 feet) of diamond drilling of which more than 7,000 metres (22,967 feet) was surface drilling. The AK Zone - a steeply dipping northwest trending hydrothermal (?) breccia, contains values greater than 68.57 gms/tonne (2.0 opt) gold over an interval of 2.45 metres (8.0 feet). Drilling and exploration continued in 1990.

Newmont Mining Corporation of Canada Ltd. staked 324 claims (Dirk Claim Group) west of Newmont Lake in 1962. An exploration program of geological mapping, airborne and ground magnetic surveying, sampling and diamond drilling was conducted to explore the skarn type mineralization discovered on the Dirk and Ken showings. Intersections of 0.23% Copper and 3.4 g/tonne (0.099 opt) Silver over 15.85 metres (52.0 feet) were reported from the Ken showing. Diamond Drill Hole No. 4 on the Dirk showing returned assays of 0.30% Copper over 1.83 metres (6.0 feet).

Gulf International Minerals staked the McLymont claims south of Newmont Lake in 1986. These claims had been staked by Dupont Canada Explorations Ltd. in 1980 as the Warrior Claims and optioned to Skyline Explorations Ltd. and Placer Development Ltd. Exploration has extended the existence of quartz - pyrite- chalcopyrite veins which retain values of up to 102.8 g/tonne (3.0 opt) gold. Gulf International Minerals has conducted extensive diamond drilling on the McLymont claims reporting in their 1987 Annual Report, drilling results of up to 55.0 g/tonne (1.60 opt) gold, 1362.1 g/tonne (39.73 opt) silver and 0.97% copper over 11.12 metres (36.5 feet). During 1988-89, Gulf drilled over 9,140 metres (30,000 feet) most of which focused on the northwest zone, tentatively classified as a structurally controlled calcareous sedimentary host. "Hole 89-64 contained visible gold and averaged 0.309 opt Au over 12.8 feet" (Gulf International News Release, October 26, 1989). Additional drilling was completed in 1990.

Delaware Resources Ltd. completed 10,000 metres (32,810 feet) of diamond drilling on their Cominco Snip Claims located directly north of the Stonehouse Gold Deposit. This exploration resulted in estimated reserves of 997,810 tonnes grading 24.0 g/tonne (0.70 opt) gold. During the 1988 season, an underground program was initiated on this deposit followed by additional drilling in 1989. A production decision was announced in the summer of 1990 effective in 1991 and contingent in part on road access to the area.

The discovery of the Eskay Creek gold prospect in November of 1988 has done much to stimulate exploration activity in the Iskut region. The deposit occurs essentially at the upper contact of a relatively flat lying, hydrothermally-altered andesite breccia (Rhyolite) within Middle Jurassic Hazelton Group volcanic and sedimentary rocks. The effects of faulting and folding are not clearly understood at this date. The zone remains open to the northeast and downdip, although fill-in drilling at 25 metre spacing is continuing. Spectacular results have been obtained in drill core assays, particularly those in Hole No. 109, which returned 201.2 metres (660 feet) grading 30 grams (0.876 opt) per tonne gold. Drill hole intersections varying from 5 to 10 metres (16 to 33 feet) and grading to 100 grams (2.92 opt) gold per tonne with an average 1,000 grams (29.2 opt) or more of silver per tonne, are not uncommon. Significant values in lead and zinc are present as well. This prospect is without doubt the most important precious metal deposit ever discovered in British Columbia.

A number of mineral occurrences within the Iskut region have been developed to the stage where production planning is being carried out. Potential producing mines are summarized below.

<u>Deposit</u>	<u>Owner</u>	<u>Size</u>	<u>Type</u>	<u>Grade</u>
Snip	Cominco	1.0 m tons	shear	27.5 gms/tonne Au (0.80 opt)
Sulphurets	Newhawk Granduc	1.5 mt	vein	778 gms/tonne Ag 22.7 opt) 17.3 gms/tonne Au (0.506 opt)
Schaft Cr.	Teck Corp.	1,000 mt	porphyry	0.3% Cu, 1.2 gms/tonne Ag (0.035 opt) 0.13 gms/tonne Au (0.004 opt)
+ Eskay Cr.	50% Calpine 50% Stikine	10 mt	volcano- genic?	15.4 gms/tonne Au (0.450 opt)
Galore Cr.	Hudson Bay	137 mt	porphyry	1.06% Cu 0.4 gms/tonne Au (0.011 opt)
Kerr	Western Canadian Mining Corp.	66 mt	porphyry	0.86% Cu 2.1 gms/tonne Ag (0.06 opt) 0.4 gms/tonne Au (0.011 opt)

Producing mines of the area consist of the following:

<u>Deposit</u>	<u>Owner</u>	<u>Size</u>	<u>Type</u>	<u>Grade</u>
Big Missouri	Westmin Resources	2.6 mt	vein	29.5 gms/tonne Ag (0.086 opt) 3.2 gms/tonne Au (0.093 opt)
Silbak Premier	Westmin Resources	6.1 mt	vein	81.9 gms/tonne Ag (2.39 opt) 2.2 gms/tonne Au (0.064 opt)

m = million
+ = unpublished

Road access studies to link with existing roads have been completed over several routes. This would entail approximately 60 kilometres (38 miles) of new road construction costing some \$12 million (Cdn). The British Columbia Highways Ministry has approved construction of such an access road to serve the resources sector in the area. The distance from the centre of the area to salt water (Stewart) is approximately 225 kilometres (140 miles) by road.

REGIONAL GEOLOGY

The Iskut River area is located along the margin of the Coast Crystalline Complex to the west and Bowser Basin to the east, and is comprised of four distinct and geologically complex sedimentary-volcanic elements arranged stratigraphically from Paleozoic to Jurassic, and rearranged spatially by Tertiary Coast Crystalline intrusion and uplift. Remnants of a Tertiary volcanic blanket occupy upper portions of the stratigraphic column in a few localities of the map area.

Government workers have attempted, since 1948, to clarify relationships and assign ages to the various lithological units of the area, and to trace structural events affecting these units. This work has not been entirely successful, however, due to the extremely inaccessible terrain and difficult physical conditions confronting workers.

Mineral exploration studies carried out by private companies have added significantly to the geological knowledge of the area, but are not generally available publicly. Work completed by Kerr, 1948, G.S.C. Memoir 246; G.S.C. maps 9-1957 and 1481 - 1979 - "Iskut River", form the basis of earlier government mapping. Recent work completed by the G.S.C. - Open File No. 2094 (1989) covers the KIK property, as well as the area along the Forrest Kerr drainage. In addition, the entire 1:50,000 Forrest Kerr sheet has been remapped in 1989 by crews of the B.C. Department of Mines and has been released in preliminary form during the first part of February of 1990, Open File 1990-2.

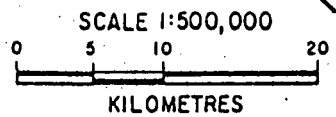
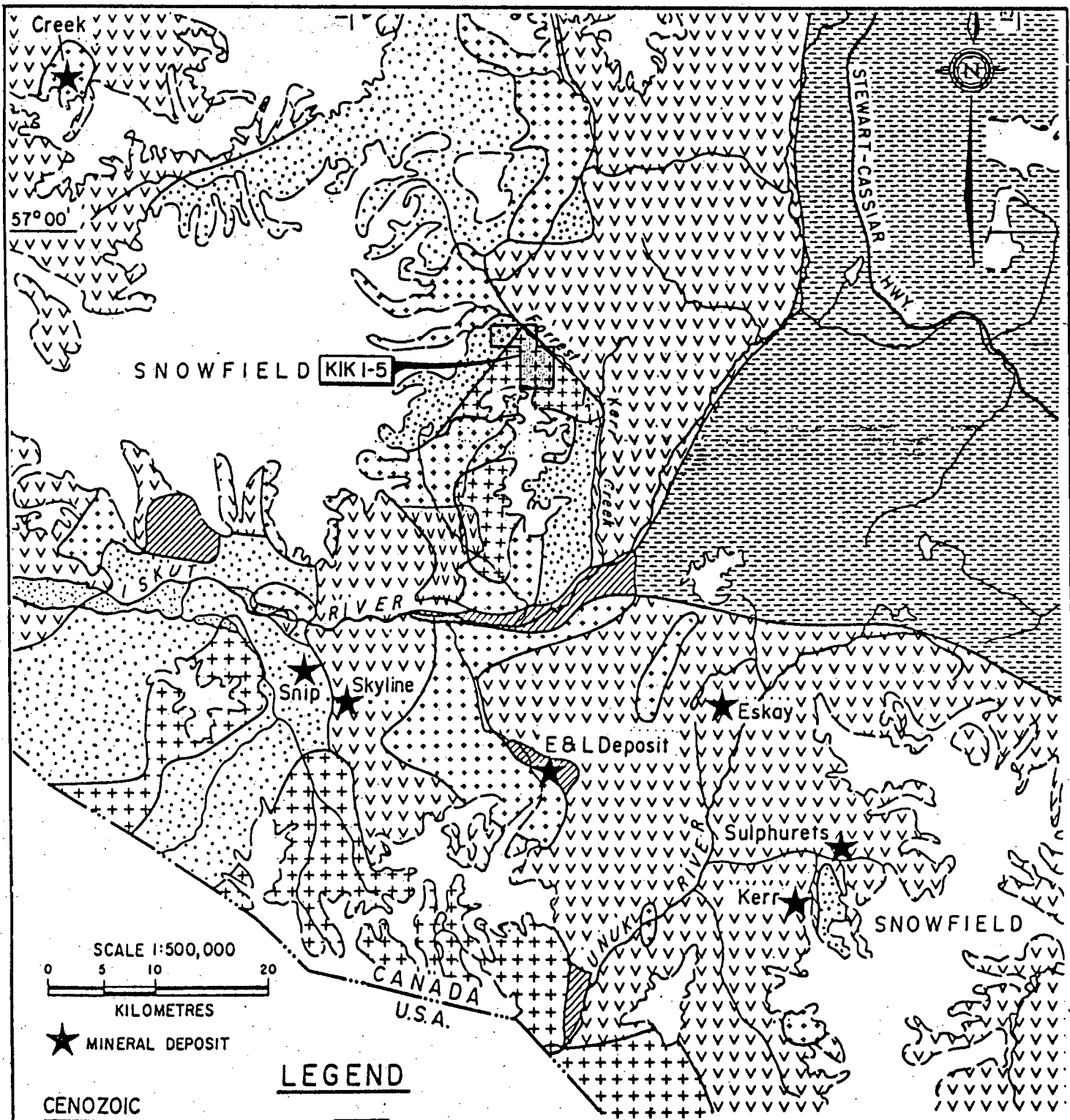
The oldest known rocks of the area are limestone, dolomite and low grade metamorphosed sediments (quartzite, slate, phyllite) of lower Cambrian age that have been correlated with the Cache Creek Group prevalent in the southern half of the province. The limestone unit contains fossil crinoids and is unconformably overlain by upper Triassic Hazelton volcanics and sediments. Bivalve fossils found west of Newmont Lake date these rocks as late Triassic and correlation of these rocks with both Stuhini volcanics and Unuk River formation has been attempted by various workers. Skyline's Stonehouse and Inel deposits occur within this unit.

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.




★ MINERAL DEPOSIT


LEGEND

CENOZOIC

-  Recent basalt flows
-  Early Tertiary felsic intrusives, primarily quartz monzonite
- MESOZOIC**
-  Cretaceous and Tertiary intrusives, felsic to intermediate
-  Middle to Upper Jurassic Bowser Lake Group clastic sediments

-  Upper Triassic to Upper Jurassic volcanics and sediments, Hazellon and Stuhini Groups

PALEOZOIC

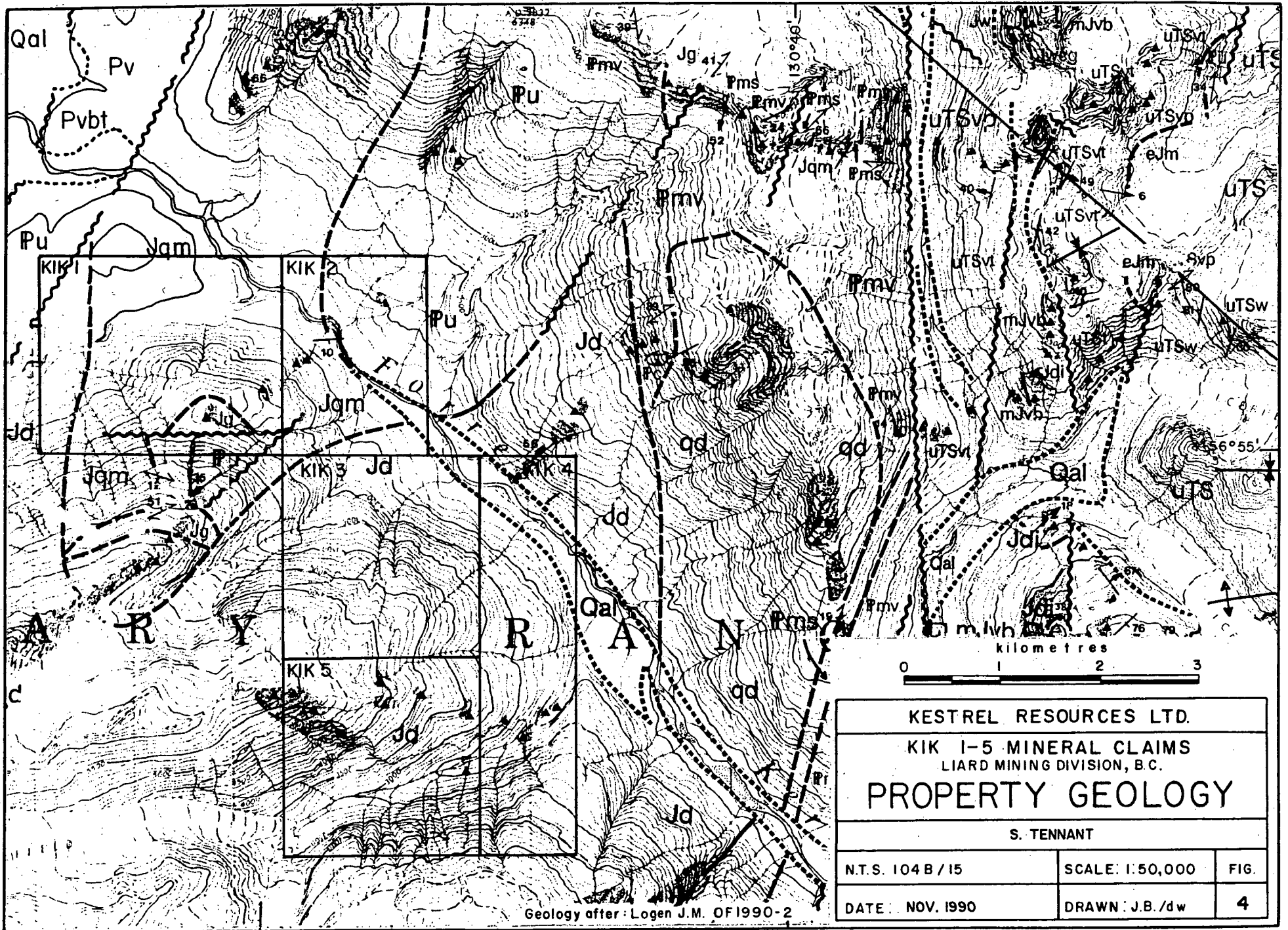
-  Permian and older clastic, limestone and volcanic rocks and metamorphic equivalents; includes metamorphic rocks of unknown age.

KESTREL RESOURCES LTD.
 KIK 1-5 MINERAL CLAIMS
SIMPLIFIED REGIONAL GEOLOGY
 LIARD MINING DIVISION, B.C.

S. TENNANT

Drawn. J.W.	N.T.S. 103,104	Date Nov. 90	FIG. 3
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Amended from G.S.C. Map II-1971, Telegraph Creek; Equity Preservation Corp., Stewart-Sulphurets-Iskut Map 1988; and from Pamicon Developments Ltd. field maps




LEGEND


Quaternary	Qual	Till, Alluvium
		<u>INTRUSIVE</u>
Early Jurassic	eJm	Porphyritic Monzonite
	eJg	Granite
Jurassic	Jgm	Quartz Monzonite
	Jg	Granite
	Jd	Quartz Diorite
		<u>STIKINE ASSEMBLAGE</u>
Paleozoic	Pu	Undivided Metavolcanics, Metasediments
		<u>WESTERN ASSEMBLAGE</u>
Permian	Pvt	Lapilli Tuff, Andesite
	Pvb	Breccia Flows
	Pc1-Pc2	Massive to medium Bedded Limestone Locally Fossiliferous
	Pcg	Boulder Conglomerate
Mississippian-Pennsylvanian	Mss	Siltstone
	Mc	Calcarenite
	Mv	Undivided Volcanics
	Mvt	Lapilli Tuff
	Mvr	Rhyolite, Flow Banded Breccia
	Mvb	Basalt Flows

Simplified after J.M. Logan O.F. 1990-2 B.C.

SYMBOLS

 Contact - conformable, unconformable

 Fault

 Thrust Fault


 Anticline

 Syncline

 Joint

 Dyke

 Vein

 Outcrop visited

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 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 KIK property at a scale of 1:50,000 and reveals the distribution of Middle and Lower Jurassic volcanic-sedimentary rocks and their associated Coast plutonic intrusions. These rocks are significant in that a number of the precious metal vein occurrences such as the Big Missouri, Silbak-Premier and Sulphurets deposits are associated with them.

Figure 4 shows the location of intrusive rocks underlying the claims as well as the two segments of undivided metavolcanic-sedimentary rocks in contact with intrusives on the northern portion of the claim block (KIK 1-2 M.C.). A small fault bounded block of volcanic-sedimentary rocks occupies the southern portion of KIK 1 mineral claim. Similarly, the northeast half of KIK 2 mineral claim is underlain by volcanic-sedimentary rocks of Paleozoic age.

1990 EXPLORATION PROGRAM

The 1990 exploration program was undertaken to assess the exploration potential of the property. The field program was conducted during the month of August.

Access was via helicopter (provided by Northern Mountain Helicopters), from a base camp at Forrest Kerr Airstrip, some six kilometres to the west. Field work was conducted by employees of Kestrel Resources Ltd. under the supervision of the authors. Some 47 rock samples and three silt samples were collected.

The lithochemical 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.

At Vangeochem Lab Ltd., each rock sample was ground to - 100 mesh and a 0.5 gram pulp was digested with 5 millilitres of 3:2:1 hydrochloric acid 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, fused at 1,900°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 13 man days was spent prospecting the KIK 1-5 claims. The majority of the property is underlain by Jurassic intrusives varying from hornblende diorite to hornblende quartz monzonite. Minor intrusive breccias and pendants of metavolcanic and metasedimentary rocks are common. Narrow quartz and quartz carbonate veining is prevalent throughout the claims. Limonite and minor sporadic malachite staining is sparsely distributed.

Select prospect samples collected from the KIK claims did not return significant values in base or precious metals. Two sample (92366 and 92367) assayed high in zinc however, the samples were taken from float and the original location is unknown. Reviewing the ICP analysis, it is interesting to note that a number of samples contain tungsten, the highest of which yield 365 ppm.

RECOMMENDATIONS

Although the 1990 sampling did not show any strong mineralized zones, more attention could be spent checking the contact areas between the intrusives and the metavolcanics and metasediments. Additional work should consist of contour soil sampling of areas not explored to date, particularly the south end of the claim group.

BIBLIOGRAPHY

Loga, 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, 1948: 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.

DATED at Vancouver, British Columbia, this 30th day of November, 1990.

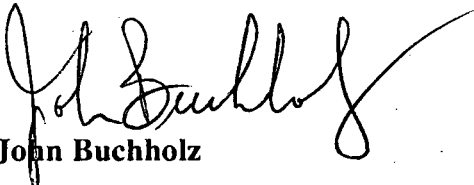
Stuart J Tennant

CERTIFICATE

I, JOHN BUCCHHOLZ, of 10370 Monte Bella Road, Winfield, British Columbia do hereby certify that:

1. I was employed by Kestrel Resources Ltd. since 1988 as Exploration Geologist to conduct geological mapping and property examinations on their Iskut River mineral claims.
2. I am a graduate of the University of British Columbia having obtained a degree in Geology (B.A.) in 1962.
3. I have practised my profession during the periods 1962-1974 and 1987 to present on various exploration projects ranging from grassroots to underground programs.
4. I am familiar with and have personally examined the property described in the body of this report in September of 1990, at which time I acted on behalf of Kestrel Resources Ltd.

DATED at Vancouver, British Columbia, this 30th day of November, 1990.


John Buchholz

PROGRAM COSTS

S. Tennant Geologist, 1 day @	\$	325/day	\$	325
J. Buchholz Geologist, 1 day @		325/day		325
Bill Chase Prospector 2 days @		275		550
Craig Bilquist Prospector 1 day @		200		200
Jason Lee Prospector 2 days @		175		350
Darryl Wituik Prospector 2 days @		200		400
Kent Forster Prospector 2 days @		200		400
Wes Grier Prospector 2 days @		200		<u>400</u>
		TOTAL	\$	<u>3,125</u>

Field Expense

Room and Board, 13 man days @ \$125/day	\$	1,625
Helicopter 3 hours @ 800/hr		2,400
Drafting and Maps		200
Freight		49
Assay (Van Geochem Lab) 46 samples @\$16/sample		736
Report Costs		<u>1,315</u>
TOTAL COST OF 1990 PROGRAM	\$	<u><u>9,225</u></u>

APPENDIX I

Sample Assay Results

REPORT NUMBER: 900089 GA

JOB NUMBER: 900089

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 1 OF 1

SAMPLE #	Ag ppm	Au ppb
92101	nd	nd
92102	nd	nd
92103	.2	nd
92104	.4	40
92105	.1	nd
92106	.2	nd
92107	.2	20
92108	.1	20

DETECTION LIMIT

0.1 5

nd = none detected

-- = not analysed

is = insufficient sample

VANSCO CHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
 Ph: (604)251-5656 Fax: (604)254-3717

ICAP GEOCHEMICAL ANALYSES

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 H*

REPORT #: 900089 PA SULLIVAN MANAGEMENT LTD. PROJECT: KIK PRESEDENT DATE IN: JULY 06 1990 DATE OUT: JULY 11 1990 ATTENTION: MR. JOHN BUCHHOLZ PAGE 1 OF 1

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	
92101	<0.1	.10	17	5	<3	.90	4.4	13	29	12	.81	.12	.18	208	11	.01	46	.01	39	14	5	21	76	15	20	
92102	<0.1	.17	13	>1000	<3	>10.00	4.1	12	35	41	3.47	.52	2.37	1746	8	.03	16	.03	42	9	9	173	<5	95	52	
92103	.2	2.10	108	103	<3	1.16	3.6	20	60	112	4.03	.16	1.69	470	10	.03	68	.05	<2	<2	8	25	<5	56	50	
92104	.4	.37	21	88	<3	1.44	.4	6	111	56	1.35	.19	.10	203	5	.01	7	.01	13	<2	<2	43	<5	<3	10	
92105	.1	.10	5	36	<3	.12	1.6	5	95	12	.62	.02	.02	89	7	.01	7	.01	23	<2	3	3	<5	<3	5	
92106	.2	3.66	46	20	14	1.24	4.3	49	72	153	4.76	.16	2.07	932	12	.02	20	.06	4	<2	20	67	25	110	102	
92107	.2	2.88	55	17	10	.99	4.1	40	72	100	4.96	.14	1.71	673	11	.02	26	.04	11	<2	17	35	18	82	69	
92108	.1	5.90	13	38	<3	2.61	4.0	31	68	150	4.50	.25	1.25	631	9	.01	19	.08	<2	<2	14	146	22	80	61	
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																									



MAIN OFFICE
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BRANCH OFFICES
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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900095 GA

JOB NUMBER: 900095

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 1 OF 1

SAMPLE #	Ag	Au
	ppm	ppb
92601-	.2	nd
92602	.2	nd
92603	.9	90
92604	.1	30
92605	.2	40
92606	.2	30
92607	.1	40
92608	.3	30
92609	.1	20
92610	.1	20
92611	.2	30
92612	.1	20
92613	.1	30
92614	.1	10
92615	.2	30
92616	.1	20
92617	.2	nd
92618	.4	10
92619	.1	nd
92620	.3	nd
92621	.1	nd

DETECTION LIMIT

0.1 5

nd = none detected

-- = not analysed

is = insufficient sample

VANCOUVER LAB LIMITED

1983 Triquet Street, Vancouver, B.C. V6E 1K5
 Ph: (604) 251-5856 Fax: (604) 254-5717

ICAP GEOCHEMICAL ANALYSES

A 0.5 gram sample is digested with 5 ml of 31% HCl in HNO₃ to H₂O at 95° C for 90 minutes and is diluted to 10 ml with water.
 Trace elements partial for Al, Ba, Ca, Cr, Fe, F, Hg, Mn, Na, P, Sn, Sr and Ni.

ANALYST: *Raymond*

REPORT #: 90095 PA

SULLIVAN METACRISTAL RESOURCES

PROJECT: KIR 1-5

DATE IN: JULY 10 1990

DATE OUT: JULY 12 1990

ATTENTION: MR. STUART TENANT

PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Ni	Pb	P	Sb	Se	Si	Sr	Tl	V	Zn	
ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
92601	.2	2.44	58	8	<3	4.05	2.1	17	66	47	2.12	.22	1.10	464	11	.01	20	.13	12	10	103	<5	62	25	
92602	.2	.57	<3	17	<3	2.45	1.4	6	51	5	2.20	.26	.30	756	3	.01	12	.09	12	12	3	11	<5	<3	7
92603	.9	5.00	215	10	31	.46	5.9	131	63	837	>10.00	.06	2.00	704	25	.07	38	.02	42	29	17	36	<5	197	71
92604	.1	.71	<3	25	<3	.27	1.5	7	109	41	2.77	.04	.24	201	4	.01	6	.07	12	12	5	34	<5	<3	12
92605	.2	1.97	36	20	<3	.06	2.0	14	39	36	2.91	.13	.95	495	8	.01	7	.11	25	12	5	60	<5	11	45
92606	.2	.52	<3	20	<3	.30	.3	3	141	6	.55	.05	.11	95	1	.01	4	.01	12	12	2	32	<5	<3	7
92607	.1	1.18	14	18	<3	4.20	2.4	35	42	49	3.58	.32	.78	852	6	.01	15	.12	28	12	7	17	<5	39	12
92608	.3	1.95	42	52	<3	2.27	2.6	18	22	9	4.46	.24	.85	1122	8	.02	13	.16	13	12	9	17	<5	44	42
92609	.1	2.95	91	62	6	3.55	3.5	23	115	26	4.72	.30	2.17	1119	10	.03	52	.17	25	7	11	33	<5	135	54
92610	.1	.57	54	72	<3	>10.00	2.8	17	43	20	6.23	.35	.53	3204	6	.03	18	.02	45	3	7	57	<5	97	16
92611	.2	1.61	29	33	<3	5.84	2.1	14	28	5	3.73	.36	.61	1491	7	.01	19	.14	26	12	7	38	<5	42	59
92612	.1	.76	73	23	13	>10.00	4.8	20	17	23	7.37	.37	2.86	3457	8	.04	24	.67	45	12	11	65	<5	174	12
92613	.1	.50	55	19	27	>10.00	4.9	18	14	12	6.43	.37	4.34	2957	8	.04	23	.09	43	11	10	25	<5	197	9
92614	.1	.44	52	15	22	>10.00	5.1	20	14	6	7.42	.37	3.99	3027	7	.04	25	.03	39	3	10	35	<5	189	11
92615	.2	1.65	8	38	<3	1.25	1.7	13	84	40	2.35	.18	.71	482	6	.01	23	.05	18	12	9	40	<5	<3	37
92616	.1	.85	80	38	7	>10.00	4.0	16	22	10	6.00	.34	2.80	3110	7	.03	20	.03	40	12	9	81	<5	146	14
92617	.2	.52	285	52	<3	7.63	3.4	30	23	7	6.50	.37	1.39	4736	6	.04	21	.10	29	12	8	42	<5	91	36
92618	.4	1.14	<3	8	<3	.82	1.1	9	56	40	3.51	.13	.50	329	5	.01	7	.01	5	12	4	54	<5	<3	22
92619	.1	2.06	56	66	<3	5.43	3.2	28	261	32	4.01	.35	2.58	1217	8	.03	191	.03	23	12	10	34	<5	126	50
92620	.3	.70	<3	166	<3	1.89	1.6	13	96	5	3.21	.23	.44	652	4	.02	18	.03	8	12	3	37	<5	<3	46
92621	.1	.67	<3	50	<3	.15	.6	5	99	4	1.69	.02	.16	297	3	.01	9	.01	7	12	3	10	<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 2000 2000 1000 10000 100 1000 20000
 (- Less Than Minimum) - Greater Than Maximum IS - Insufficient Sample NS - No Sample
 ANALYSIS RESULTS - Further Analysis By Alternate Methods Suggested

07/13/90

10:41

NO. 077

P010/010

1030 PA... STREET
VANCOUVER, BC V5L 1L6
(604) 251-5656

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900221 GA JOB NUMBER: 900221 SULLIVAN MANAGEMENT/KESTREL RES. PAGE 1 OF 1

SAMPLE #	Ag ppm	Au ppb
80542	nd	nd
80543	nd	nd
80544	nd	nd
92371	.3	20

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

VANGEOCHEM 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 #: 900221 PA

SULLIVAN MANAGEMENT / KESTREL RES.

PROJECT: KIX 1

DATE IN: AUG 10 1990

DATE OUT: AUG 29 1990

ATTENTION: MR. JOHN BUCHHOLZ

PAGE 1 OF 1

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	µ	ppm	ppm	ppm	µ	ppm	ppm	ppm	ppm	µ	µ	µ	ppm	ppm	µ	ppm	µ	ppm	ppm	ppm	ppm	ppm	ppm	ppm
80542	<0.1	1.58	<3	23	<3	1.98	3.7	40	19	<1	>10.00	0.11	1.56	2523	17	<0.01	4	0.33	20	<2	18	34	6	<3	148
80543	<0.1	3.74	<3	170	11	1.88	1.8	15	12	<1	5.44	0.17	3.10	791	20	<0.01	<1	0.10	<2	<2	11	28	<5	<3	112
80544	<0.1	1.35	<3	95	<3	0.50	1.8	7	43	44	2.12	0.12	0.84	497	14	<0.01	<1	0.04	7	<2	4	14	6	<3	61
92371	0.3	1.23	188	27	<3	0.53	3.0	37	76	123	4.05	0.18	0.61	240	16	<0.01	<1	0.04	52	<2	10	2	9	<3	26

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.

1630 PA... A STREET
VANCOUVER, BC V5L 1L6
(604) 251-5656

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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900222 GA

JOB NUMBER: 900222

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 1 OF 1

SAMPLE #	Ag	Au
	ppm	ppb
05531	nd	nd
05532	nd	nd
80539	nd	nd
80540	nd	nd
80541	nd	nd
80551	nd	nd
80552	nd	nd
80553	nd	nd
80554	nd	nd
80555	nd	nd
80556	nd	nd
80557	nd	nd
80558	nd	nd

DETECTION LIMIT
nd = none detected

0.1 5
-- = not analysed

is = insufficient sample

VANGEOCHEM LAB 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: *Amal*

REPORT #: 900222 PA

SULLIVAN MANAGEMENT / KESTREL RES.

PROJECT: KIK 5

DATE IN: AUG 10 1990

DATE OUT: SEPT 03 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
05531	<0.1	2.46	<3	83	<3	2.96	2.7	20	49	37	3.89	0.22	1.12	1426	8	<0.01	26	0.15	43	<2	14	32	<5	<3	42
05532	<0.1	3.88	<3	54	<3	0.65	3.5	26	67	67	5.47	0.16	1.73	836	9	<0.01	27	0.13	19	<2	20	26	<5	<3	73
80539	<0.1	3.94	<3	47	55	7.95	4.5	29	218	6	6.37	0.24	2.15	1896	9	<0.01	58	0.11	26	<2	19	82	<5	<3	41
80540	<0.1	4.10	<3	33	<3	2.23	1.7	23	58	101	3.66	0.21	1.30	622	8	<0.01	22	0.02	20	<2	16	109	<5	<3	49
80541	<0.1	0.47	15	15	<3	1.65	1.8	5	107	8	0.59	0.16	0.27	250	5	0.04	4	<0.01	34	<2	9	11	<5	<3	8
80551	<0.1	3.68	<3	115	<3	4.54	4.8	36	304	73	6.11	0.26	3.89	1144	11	<0.01	122	0.04	34	<2	23	71	<5	<3	58
80552	<0.1	1.68	<3	33	3	1.27	3.0	13	130	15	2.14	0.13	1.23	403	6	<0.01	33	0.02	24	<2	11	15	6	<3	27
80553	<0.1	2.50	<3	50	<3	1.36	3.0	43	48	209	2.94	0.16	1.35	558	7	<0.01	11	0.06	33	<2	16	53	<5	<3	67
80554	<0.1	6.13	<3	42	33	3.33	3.9	39	75	104	4.03	0.23	2.56	682	8	<0.01	79	0.05	21	<2	23	122	7	<3	77
80555	<0.1	1.02	<3	45	36	3.61	4.4	13	24	17	3.51	0.23	0.51	1394	6	<0.01	4	0.06	41	<2	11	8	<5	<3	7
80556	<0.1	1.01	<3	37	<3	0.47	3.6	21	24	130	4.39	0.12	0.40	218	7	<0.01	12	0.09	42	<2	15	23	<5	<3	19
80557	<0.1	3.67	<3	42	<3	2.43	6.2	39	41	42	7.48	0.25	3.92	1313	12	<0.01	45	0.07	38	<2	22	78	<5	<3	100
80558	<0.1	0.70	<3	33	<3	2.97	4.7	24	100	96	5.11	0.22	1.65	1158	8	<0.01	59	0.04	45	3	13	40	<5	<3	42

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.

VGC VANGEOCHEM LAB LIMITED

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

REPORT NUMBER: 900246 GA

JOB NUMBER: 900246

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 1 OF 1

SAMPLE #	Ag ppm	Au ppb
81509	nd	10
81510	.2	30
81511	.1	30
81512	.3	30
81513	.1	nd
81514	nd	10
81515	nd	30
92365	nd	50
92366	3.5	70
92367	3.8	40
92368	nd	10
92369	.2	20
92370	.1	nd
KEBT KIK 1	nd	20
KEBT KIK 2	nd	20

DETECTION LIMIT
nd = none detected

0.1 5
-- = not analysed

is = insufficient sample

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6

Ph: (604)251-5656 Fax: (604)254-3717

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 #: 900246 PA SULLIVAN MANAGEMENT / KESTREL RES. PROJECT: KIK 1 & 2 DATE IN: AUG 16 1990 DATE OUT: SEPT 06 1990 ATTENTION: MR. TENNANT & MR. BUCHHOLZ PAGE 1 OF 1

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
81509	<0.1	0.15	29	41	83	0.39	2.1	4	134	10	0.52	<0.01	0.04	280	12	<0.01	14	<0.01	26	<2	8	5	<5	18	10
81510	0.2	1.02	<3	246	22	>10.00	2.4	3	23	15	0.80	<0.01	6.95	1862	23	<0.01	23	<0.01	46	<2	8	590	<5	<3	146
81511	0.1	0.39	73	77	17	1.36	2.8	18	53	105	2.78	0.17	0.59	571	16	<0.01	14	0.05	41	5	11	19	<5	7	48
81512	0.3	1.48	46	44	94	0.37	4.8	26	21	122	6.18	0.50	0.91	506	22	<0.01	17	0.08	46	8	16	5	<5	<3	62
81513	0.1	0.42	17	106	236	0.18	1.7	13	34	21	2.89	0.25	0.06	303	38	<0.01	8	0.05	34	<2	5	3	<5	3	16
81514	<0.1	0.44	17	100	168	2.71	2.4	16	43	100	2.33	<0.01	0.52	749	12	<0.01	6	0.06	42	5	5	16	<5	41	29
81515	<0.1	0.38	26	117	43	2.22	1.0	18	19	10	4.16	0.13	0.71	1399	18	<0.01	<1	0.05	38	8	7	20	<5	18	43
92365	<0.1	1.42	65	63	<3	1.80	1.9	22	33	44	3.18	0.04	0.30	110	22	<0.01	6	0.15	42	<2	20	8	<5	34	16
92366	3.5	0.04	168	14	60	>10.00	815.0	27	90	2351	1.15	<0.01	6.54	6724	102	<0.01	11	<0.01	111	10	14	209	<5	365	>20000
92367	3.8	0.08	<3	63	91	>10.00	317.2	8	60	4840	2.17	<0.01	6.25	10348	61	<0.01	<1	<0.01	224	<2	10	200	<5	117	>20000
92368	<0.1	2.68	<3	43	18	0.73	7.5	20	25	108	4.14	0.30	2.34	711	26	<0.01	<1	0.08	42	3	14	15	<5	<3	821
92369	0.2	0.32	71	77	<3	0.79	3.1	13	21	150	1.94	0.11	0.33	380	17	<0.01	<1	0.05	25	<2	12	13	<5	15	147
92370	0.1	0.32	5	54	147	0.71	4.0	10	43	56	2.29	0.18	0.35	822	16	<0.01	<1	0.05	30	12	7	5	<5	58	196
KENT KIK 1	<0.1	1.97	<3	302	97	0.41	2.7	24	49	48	4.38	0.34	0.99	1048	22	<0.01	10	0.07	33	6	15	18	<5	21	105
KENT KIK 2	<0.1	1.69	10	198	<3	0.24	3.6	22	58	56	4.34	0.39	0.77	1044	22	<0.01	<1	0.07	40	3	13	6	<5	38	141

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.

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

VGC VANGEOCHEM LAB LIMITED

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

REPORT NUMBER: 900246 AA

JOB NUMBER: 900246

SULLIVAN MANAGEMENT/KESTREL RES.

PAGE 1 OF 1

SAMPLE #	Zn %
92366	11.20
92367	3.85

DETECTION LIMIT

.01

1 Troy oz/short ton = 34.28 ppm

1 ppm = 0.0001%

ppm = parts per million

< = less than

signed: _____

APPENDIX II
Sample Descriptions

Sampler Bill Chase
 Date July 6/90

 Project KIK 3/5
 Property (President Res)

 NTS 1048/15
 Location F.K. Creek
 M.D. LIARD

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width	DESCRIPTION			OBSERVATIONS	ASSAYS				
				Rock Type	Alteration	Mineralization		Ag ppm	Au ppb			
92601	5380'	chips	5cm yes	HBD	calcite epi. chl.		contact, 1/2 m dyke	.2	nd			
02	5380'	select grabs		HBD	carbonate qtz eyes	py		.2	nd			
03	5280'	" "	1/2 m	HBD	qtz carb. epi. chl.		many stains	.9	90			
04		chips	7cm	qv in HBD	limonite			.1	30			
05	5100'	select grabs	2x2 cm	qtz streaks in HBD				.2	40			
06		chips	10cm	qv in HBD	lg qtz crys epi. chl.	minor py	295°/vert	.2	30			
07	+5100'	chips	1m yes	HBD	hematite, qtz carb.		near major dyke N 52°E	.1	80			
08	+4800'	chips	3m 3-4m	HBD	qtz carb.		18°/vert	.3	30			
09	+4800'	"	40cm yes	HBD	silicified carb shear	fine minor py	adj. to carb. zone	.1	20			
92610	+4800'	"	1/2 m yes	(fals)	carb filled breccia		10°/vert	.1	20			
11		"	10cm		" "		1m SE of 92610. ^{alt. 40°/vert}	.2	30			
12		"	3m 4m	HBD	carb.			.1	20			
13		"	4m 4m	"	carb.			.1	30			
14	+4750'	"	2m 4m	"	"		other half, 92612.	.1	10			
15	4700'	"	1m yes		carb zone		N 85°/vert.	.2	30			
16	"	"	30cm yes	HBD	carb zone		N 44°E, vert.	.1	20			
17	"	"	20cm yes	" "	" "			.2	nd			
18	4600'	"	4cm yes	HBD	ep. chl. hem.		N 45°E, irregular.	.4	10			
19	4440'	select grabs	50m		carb zone			.1	nd			
20	4500'	"	3m 2m		rusty carb zone		purple carb/vole.	.3	nd			
21	4500'	"	2m		"			.1	nd			

Geochemical Data Sheet - ROCK SAMPLING

NTS 104 B-15

Sampler J. LEE / D. WITWICK

Project KIK 5

Location Ref TSKUT

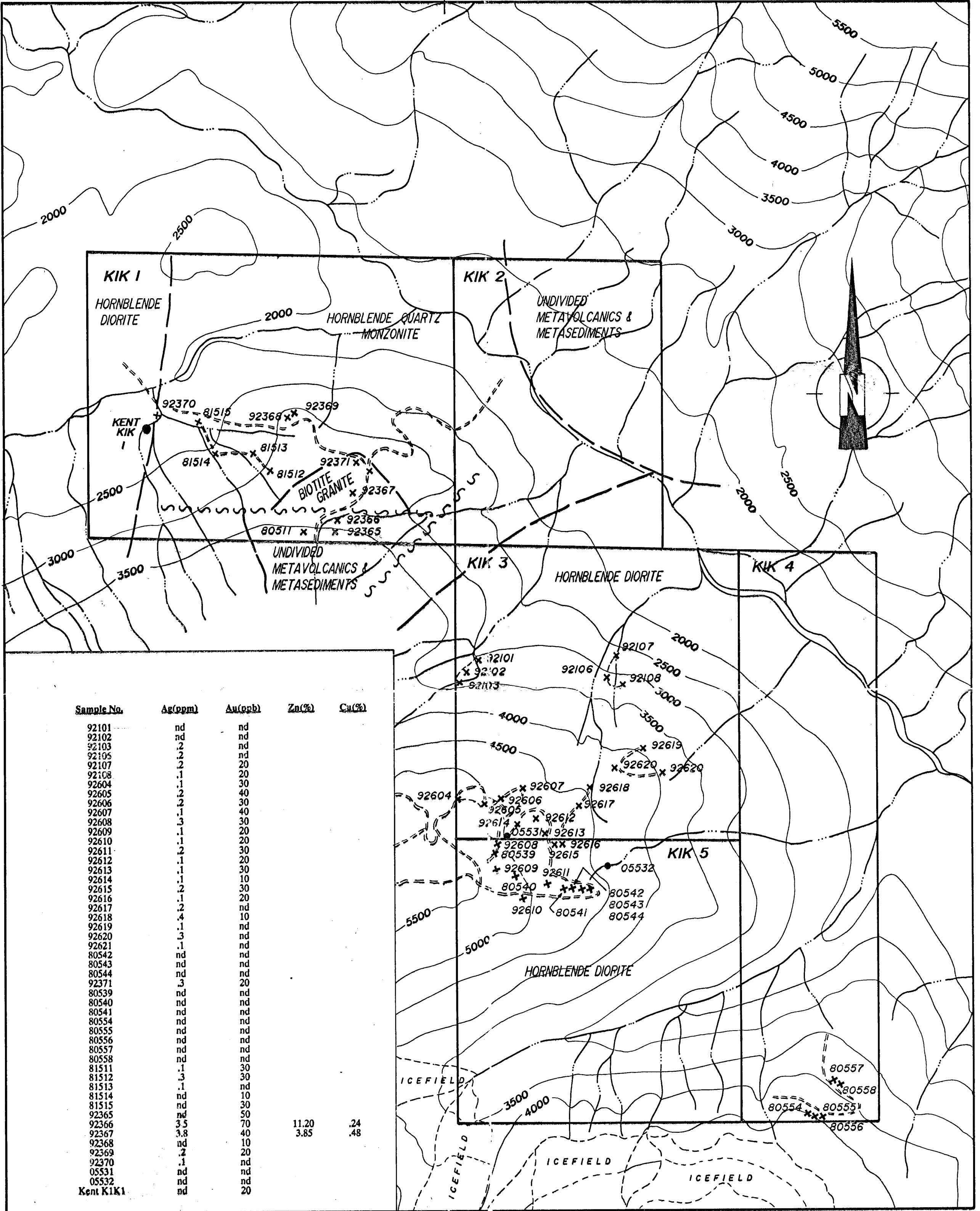
Date AUG 1 / 90

Property PRESIDENT

Air Photo No LIARD

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample		DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
			Width	True Width	Rock Type	Alteration	Mineralization		Au ppb	Ag ppm				
80539	5051 ft	ROCK	GRAB		DIORITE		ORANGE CARBONATE FILLED FRACTURES	ROCK OUTCROP IN SNOW FIELD	nd	nd				
80540	5081 ft	"	"		"		WHITE STAIN QUARTZ VEIN 5CM WIDE	STRIKE 64° NE -20M E OF SAMPLE 80539	nd	nd				
80541	4756 ft	"	"		"		CALCITE VEIN WITH PHELSPAR		nd	nd				
05530	5051 ft	SILT	"					ORIGIN - CREEK COMING OUT OF SNOW FIELD	nd	nd				
05532	4362 ft	"	"						nd	nd				
80542									nd	nd				
80543									nd	nd				
80544									nd	nd				

130°45'



Sample No.	Ag(ppm)	Au(ppb)	Zn(%)	Cu(%)
92101	nd	nd		
92102	nd	nd		
92103	.2	nd		
92105	.2	nd		
92107	.2	20		
92108	.1	20		
92604	.1	30		
92605	.2	40		
92606	.2	30		
92607	.1	40		
92608	.3	30		
92609	.1	20		
92610	.1	20		
92611	.2	30		
92612	.1	20		
92613	.1	30		
92614	.1	10		
92615	.2	30		
92616	.1	20		
92617	.2	nd		
92618	.4	10		
92619	.1	nd		
92620	.3	nd		
92621	.1	nd		
80542	nd	nd		
80543	nd	nd		
80544	nd	nd		
92371	.3	20		
80539	nd	nd		
80540	nd	nd		
80541	nd	nd		
80554	nd	nd		
80555	nd	nd		
80556	nd	nd		
80557	nd	nd		
80558	nd	nd		
81511	.1	30		
81512	.3	30		
81513	.1	nd		
81514	nd	10		
81515	nd	30		
92365	nd	50		
92366	3.5	70	11.20	.24
92367	3.8	40	3.85	.48
92368	nd	10		
92369	.2	20		
92370	.1	nd		
05531	nd	nd		
05532	nd	nd		
Kent KIK1	nd	20		

LEGEND

- * ROCK SAMPLES
- SILT SAMPLES
- CONTACTS
- ~ FAULT
- TRAVERSE

0 500 1000 1500 2000m

1 : 20000

20597

KESTREL RESOURCES LTD.

KIK 1-5 MINERAL CLAIMS
LIARD MINING DIVISION, B.C.

SAMPLE LOCATION MAP

DRAWN S. TENNANT

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DATE NOV. 1990

FIGURE 5