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TRENCHING AND GEOCHEMICAL REPORT

ON THE

ADAM 1-18 /AL 1-6

LIGHTNING CREEK AND McNIELL GULCH PLACER CLAIMS

Mayo Mining Division

N.T.S - 105 M/14

Centred on 63 deg. 57' Latitude, 135 deg. 02' Longitude

Owned by:

Kim Klippert
Stephron Resources
P.O. Box 152
Mayo Yukon, Canada
YoB 1Mo

Work by:

Stephron Resources
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YoB 1Mo

Kim Klippert

November 2000

Field work conducted May 28 - October 2000

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APPENDICES

Summary

History on the Keno Hill area dates back to 1919 when Silver-Lead Ore deposits were discovered by L. Beauvette, and Charles Brefault.
The work for this program was done in the Lightning Creek and McNiel Gulch region, between the North Slope of the Gustavus Mountain Range and the Keno Hill area.
A two phase exploration program was done in the 2000 season. Phase I, (placer) consisted of building access trails to trench and test pit sites.

Best three samples taken from trenches and test pits:

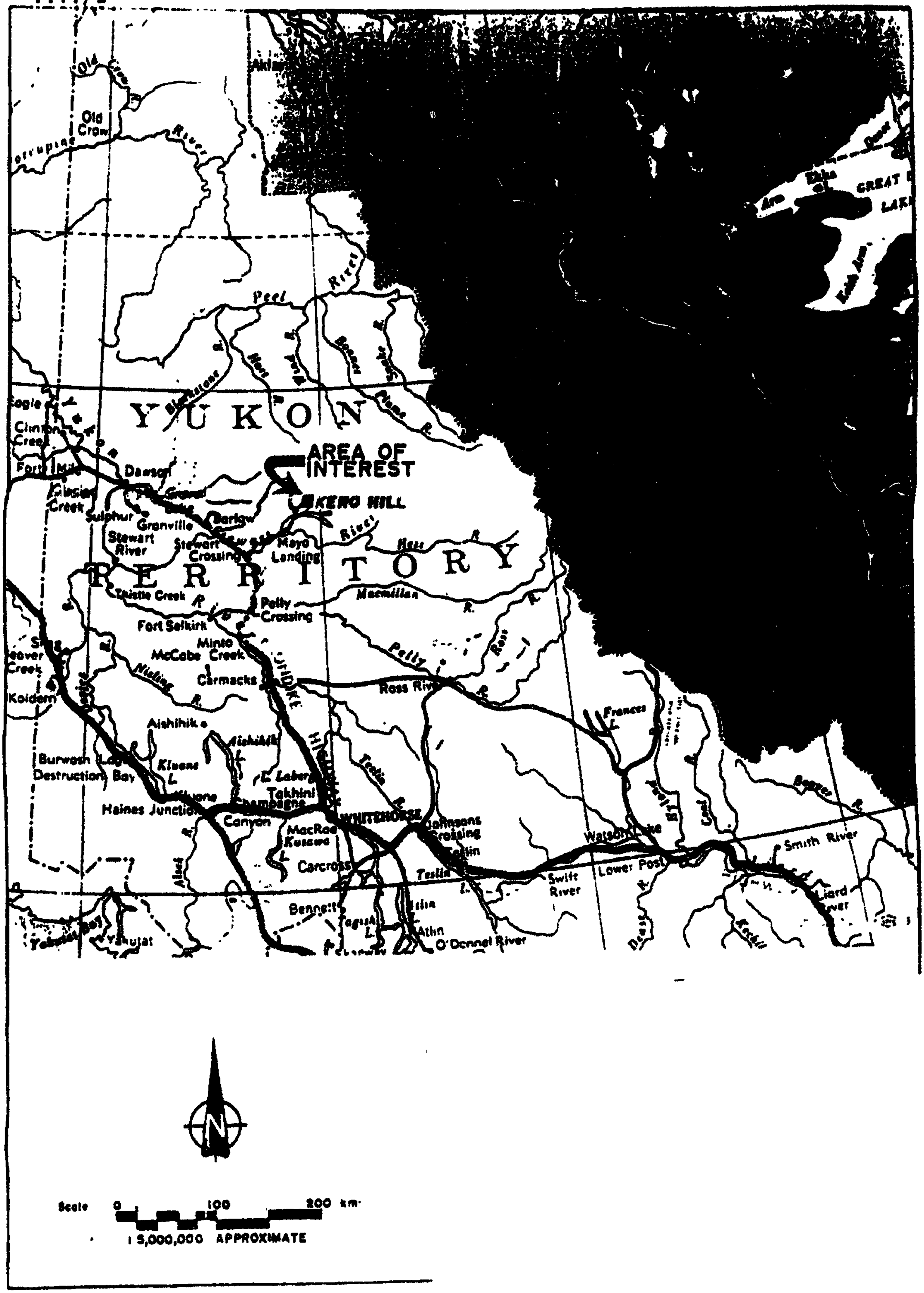
	Au	Ag	Pb	Zn	As
	ppb	ppb	ppm	ppm	ppm
KK#5	185.8	453.0	43.0	116.0	141.1
KK#6	33.1	454.0	38.13	90.7	130.3
KK#9	43.9	2605.0	24.16	106.4	167.4

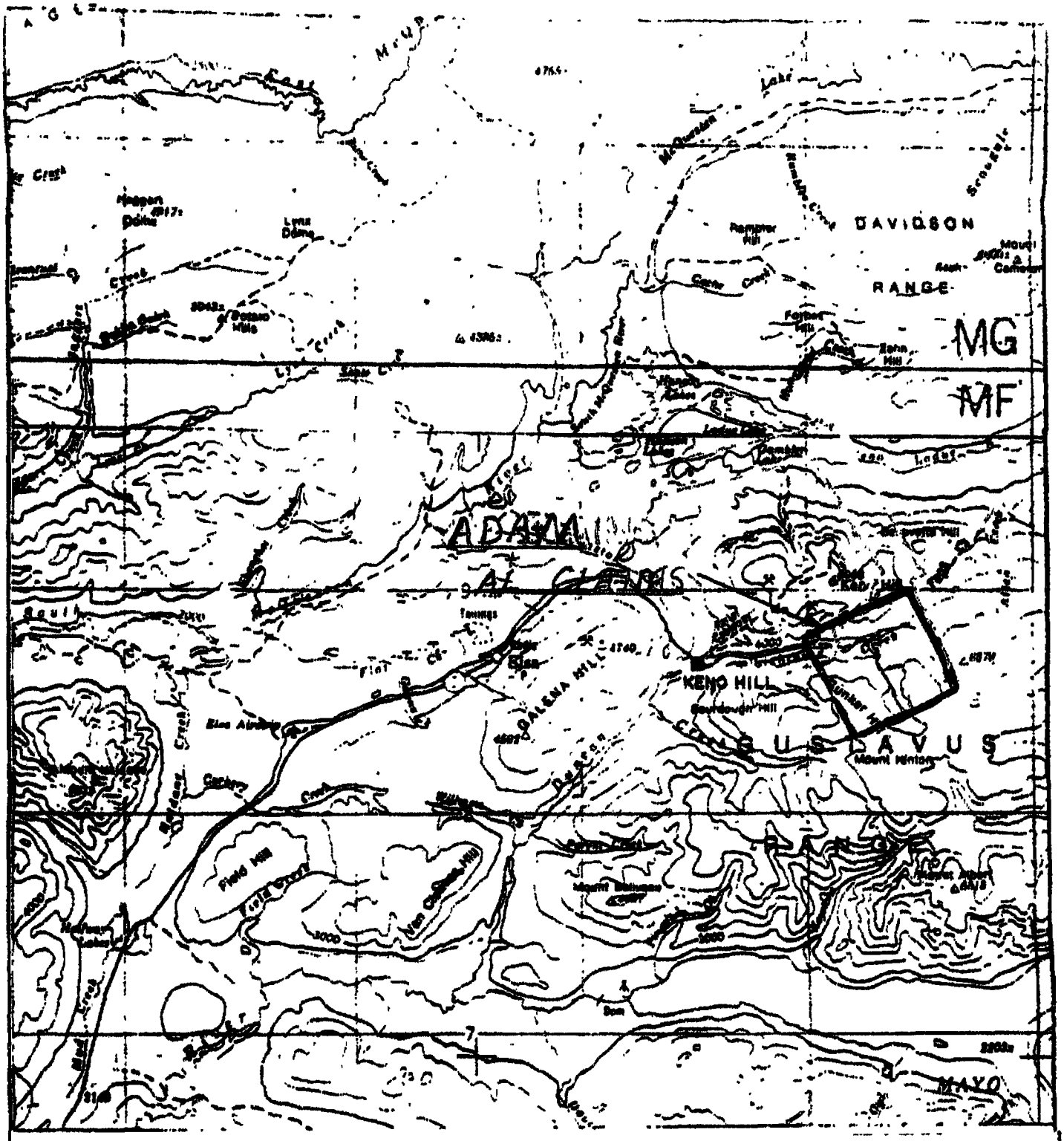
Phase II, (quartz) consisted of building trails to out croppings and target areas, trenches etc.

Best three samples taken from trenches and test pits:

	Au	Ag	Pb	Zn	As
	ppb	ppb	ppm	ppm	ppm
KK#01	5280.4	34928.0	4624.77	62.2	76952.9
KK#02	2687.1	15334.0	1009.12	20.2	25436.8
KK#07	16.2	281.0	18.52	118.5	107.2

..../2


YUKON TERRITORY
AREA OF INTEREST
KENO HILL
Old Crow
Peel River
Dawson
Mayo Landing
Stewart Crossing
Stewart River
Granville
Sulphur
Pelly Crossing
Fort Selkirk
Minto
McCabe Creek
Carmacks
Ross River
Aishihik
Burwash Landing
Destruction Bay
Haines Junction
Champagne
Takhini
WHITEHORSE
Johnsons Crossing
Carcross
Bennett
Atlin
O'Donnel River
Swift River
Watson Lake
Lower Post
Smith River
Liard River
Teslin
Koidern
Thistle Creek
Scale 0 100 200 km
1:5,000,000 APPROXIMATE



Scale 0 50 100 km

1 : 2,500,000 APPROXIMATE

TRENCHING AND GEOCHEMICAL REPORT

ON THE

ADAM 1-18 / AL 1-6

LIGHTNING CREEK AND McNIELL GULCH PLACER CLAIMS

ON PLACER CLAIMS

PO 16789 - PO 16821

1.0 INTRODUCTION

The Adam and Al claims consist of 24 quartz mineral claims and 33 placer claims PO 16789 - 167821 on McNiel Gulch and Lightning Creek which are owned by Kim Klippert. I carried out a trenching and geochemical exploration program on these claims during the 2000 field season.

Work done consisted on trenching and sampling on both placer and quartz claims.

1.1 LOCATION AND ACCESS

The Adam and Al quartz claims and placer claims on McNeil and Lightning Creek are located in the Keno Hill area.

To access these claims, you travel north on the Mayo road to Stewart Crossing and turn east on the Silver Trail to Keno City. From Keno City; 7 kilometres of rough 4x4 road east of Keno Hill townsite along Lightning Creek to McNeill Gulch where program begins.

1.2 PROPERTY DESCRIPTION

The Adam Claim group consists of 18 quartz mineral claims up the centre of McNeil Gulch. The Al Claims consist of 6 more quartz mineral claims on ridge between McNeil Gulch and McMillian Gulch.

Claim Name	Grant Number	Renewal Term	Expires
Adam 1 - 18	YB65184 - YB65201	2	02 Jan 2003
Al 1 - 6	YC02310 - YC02315	2	04 Jan 2003

Placer Claims cover one mile on Lightning Creek joining 22 claims on McNeil Gulch (PO16789 - PO16821). All claims are owned by Kim Klippert. (A list of claim data appears on table 1).

Claim Number	Renewal Term	Expires
PO16789 - PO16821	1	10 Nov 2001

1.3 PHYSIOGRAPHY

The Adam and Al claims extend over three kilometres in length covering Lightning Creek up to head waters of McNeil Gulch, to the base of Mount Hinton. The vegetation consists of alder, buck brush, and stunted spruce. The topography of McNeil Gulch and immediate surroundings consist of moderate to steep alpine slopes with grass and moss cover. The alpine region is transected by Lightning Creek, McNeill Gulch and McMillan Gulch. The vegetation in the valley floors consist largely of thick alder brush.

1.4 HISTORY: PREVIOUS EXPLORATION

PLACER - McNiel Gulch and Lighting Creek

The Keno Hill and Gustavus Mountain Range properties has undergone extensive mining and exploration over the last one hundred years.

In 1902, Duncan Creek was staked from its head waters Lightning Creek into Duncan Creek into the Mayo River. Cabins were built on almost every claim and active preparations were made to develop the ground. It was very difficult now to determine the total amount of gold that Duncan Creek has yielded. Mr. George Mackenzie, Gold Commissioner of the Yukon Territory estimates that to the close of 1915, Duncan Creek had produced $ 55 000.00 (fifty-five thousand dollars) and its tributary Lightning Creek and additional $ 2 000.00 (two thousand dollars) (D.D. Cairnes). Mining in the Duncan Creek and Lightning Creek areas still continues on today.

QUARTZ - Adam 1-18 / Al 1-6

Silver-Lead Ore deposits were discovered on Keno Hill in July 1919 (Al Beauvette). Almost immediately the Yukon Gold company Ltd. Secured options of purchase on the original claims and as a result, a stampede to the hill took place. Over 500 claims were located in the next few months, and this number has since been increased. In 1920 a subsidiary company, Keno Hill Ltd. was formed to operate the original group. The entire holdings of the parent company have since been turned over to this subsidiary (Cockfield 1923). In 1931, Keno Hill, the Tred-Well Yukon Company Ltd. reported to have treated 47,793 tons of Ore in the mill at Wernecke. In the end it yielded 4109 tons of concentrates. In addition to the concentrates some 154 tons of crude high-grade Ore was also shipped. All this Ore came from the Lucky Queen mine site. From that time on mining in the Keno Hill area has continued on with many prosperous years with the Bell Keno mine deposit on Lightning Creek and Thunder Gulch. 1989 marked the year when the United Keno Hill mine shut down, and it has yet to re-open.

In 1979 Bema Industries Ltd. was contracted by Canada Tungsten Mining Corporation Ltd. to complete reconnaissance geological mapping, prospecting and geochemical sampling over BE Claims in McNeill Gulch. In 1964 the Geological Survey of Canada carried out a stream sediment survey in the Keno Hill area, including the streams draining the BE Claims. United Keno Hill Mines Ltd. stacked 276 claims in 1965-66 season as a follow up to this survey. Keno Hill Mines Ltd. Exploration Survey located 22 veins in the McNeill Gulch with encouraging Gold and Silver assay values. An exploration shaft was sunk on the #21 vein and 404 ton was blocked out grading 1.20 ounces to the ton (gold) and 18.3 ounces to the ton (silver) over and average width of 1 metre. (Shaft is located on Mt. Hinton, at the head waters of McNeill Gulch).

1.5 CURRENT PROGRAM

The 2000 exploration program has been divided into two phases.

Phase 1 consisted of upgrading existing trails up McNeill Gulch and building new trails to test pits and trenching areas. The placer phase started May 28 with a series of trenches and test pits. Samples were taken at different depths with a majority of the samples concentrated down by panning method, and observed for heavy minerals or visible gold, pyrites, haematite etc. (When sampling trenches a small Long-Tom (sluice box) was used to process approximately 1 cubic yard per trench or pit at a maximum depth of 32 feet. These samples were then cleaned, separated and dried. Three trenches showed Gold values from $1.25 per cubic yard up to $ 3.05 per cubic yard. These results came from different trenches one on Lighting Creek and two trenches located along McNeill Gulch (in moraine material). Six soil samples were taken along Lightning Creek and McNeill Gulch.

Phase 2 started with upgrading existing existing trails and constructing new ones to the area of interest. Trenches were on claim #16 Adam. Samples of Arsenopyrite pyrite with .075 ounces to the ton silver, and .009 ounces to the ton gold, were found on out-croppings along the east face of Bunker Hill indicates major Green Stone lenses. It is difficult to say weather the Green Stone carries any significant mineralisation.

A vein outcrop on unknown ridge between McMillian Gulch and McNiell Gulch, cut a sequence of thick-bedded quartzites and medium to thin-bedded quartzites with inter-bedded graphitic schists. The vein #25 is evident on areal photographs as a sharply defined North-South lineament. This information comes from the geochemical work done in 1980 by Bema Industries for Canada Tungsten Mining Corporation Ltd. and in their report they were encouraged by results from this vein, and recommend more sampling and exploration take place on the ridge between McMillian and McNiell Gulch. I too would like to do more exploration in this area of interest.

Samples KK#1 and KK#2 are assumed to have come from this quartz vein. These samples were collected from the 5000-5500 foot elevation.

At the end of the program while walking equipment out along existing trail bedrock was encountered under black mud, the mud varied in thickness from 1-3 feet. Bedrock exposures along the trail was approximately 500-700 feet in length. Bedrock exposures were different thicknesses of Greenstones 2-3 metres wide and interlocking quartz veins form 1-4 metres wide. This area needs a lot more attentiǫn next year. A quartz sample was taken in place on this exposure assayed at 2.0 grams per ton gold (Au), and 4.0 ounces to the ton silver (Ag).

2.0 GENERAL GEOLOGY

The Keno Hill-Galena Hill area containing the Al, and Adam claims is located at the northwestern end of the Selwyn Basin. The Selwyn Basin is a Pb-Zn-Ag bearing province which covers central Yukon, western N.W.T and the north central B.C. The basin is bounded to the east, in the MacKenzie Mountains by a marginal carbonate shelf facies. To the west, the basinal shale facies gives way to the carbonate shelf complex of the Pelly-Cassiar Fold Belt or terminates abruptly against the Tintina Trench. The Tintina Trench, which passes 100 kilometre south of Keno Hill, contains a strike-slip fault with 450 kilometres of right lateral displacement (Tempelman-Kluit, 1970).

The rocks underlying the Keno Hill-Galena Hill area are predominantly metasediments of the Yukon Group. Until recently, the Yukon Group was thought to be of Precambrain age. Boyle (1965) considered the section to be a simple homocline of metasediments of probable Precambrain age.

TABLE 2

TABLE of FORMATIONS

ERA	PERIOD	MILLIONS of YEARS	BOYLE, R.W 1965	GREEN, L.H. 1971 TEMPELMAN–KLUIT 1970	BLUSSON, S.L. 1978	BEMA 1980
CENOZOIC	TERTIARY	65		Quartz-Feldspar Porphyry *		
		* 87		Greenstone		Granodiorite
	CRETACEOUS	136	Quartz-Feldspar Porphyry Biotite Lamprophyre	Keno Hill Quartzite fm		Quartz-Feldspar Porphyry Biotite Lamprophyre
			Greenstone			Greenstone Keno Hill Quartzite fm
	JURASSIC	190		Lower Schist fm		Lower Schist fm
MESOZOIC	TRIASSIC	225				
	PERMIAN	280				
	CARBONIFEROUS	345			Central Quartzite	
	DEVONIAN	395			Lower Schist	
	SILURIAN	430				
	ORDOVICIAN	500				
PALEOZOIC	CAMBRIAN	570				
PRECAMBRIAN		4600	Upper Schist fm Central Quartzite fm Lower Schist fm	Upper Schist fm		?Upper Schist fm

NOTE * AGE of MINERALIZATION
SINCLAIR et al, 1980

Tempelman-Kluit (1970) and Green (1971) have interpreted Mesozoic ages for the Lower Schist (Jurassic) and Central Quartzite (Lower Cretaceous) formations and a Precambrain age for the allochthonous Upper Schist formation. Blusson (1978) suggested that the Lower Schist and Central Quartzite formations resemble the Upper Devonian to Mississippian Canol and Imperial formations.

The Lower Schist formation consists predominantly of graphitic schists with minor intercalated chlorite-sericite schist and thin bedded quartzite, conformably overlain by the Central Quartzite formation.

The Central Quartzite formation consists of thick and thin bedded quartzite with intercalated graphitic phyllite, argillite and schist.

The Upper Schist formation overlies the Central Quartzite formation. The nature of the contact between Central Quartzite and Upper Schist is controversial. It is considered to be conformable by Boyle, 1965; or a thrust fault by Green, 1971. The Upper Schist formatic consists primarily of quartz-mica schists, graphitic schists and then bedded quartzite with minor limestone lenses.

This stratigraphic sequence has been intruded by several plutonic phases. The oldest of these are the green stone sills. These sills, originally dyrite to gabbro in composition were deformed into lenses - shaped "boudins". These boudins are discontinuous but tend to align in certain stratigraphic horizons.

The second plutonic phase in the area are the granitic rock which have intruded along the hinge zone of the Mayo Lake anticline. These intrusions tranged between quartzite monzonite to dyrite in composition and give ages between 81 and 109 million years (Wanless, et.al., 1966, 67, 71, 73; Armstrong, 1978; citied by Tessari, 1979)

The youngest intrusions in the area are dyke and sills of biotite, lamprophyre and quartz,feldspar, and porphyry. As these units have not been observed in a cross cutting relationship, their relative ages cannot be assortained.

In the Keno Hill-Galena Hill area there have been at least two periods of structural deformation (Green, 1971). The oldest period of deformation produced isoclinal and recumbent folding with extensive bedding-plain movement. Rocks involved in this earliest deformation developed a strong foliation and retained a few original sedimentary structures.

Many of the greenstones have been intensely foliated that indicates that they were intruded prior to this period of deformation. Also others, including some of the larger greenstone sills were probably intruded during this period of deformation (Green, 1971). The intensity of this early deformation is indicated by the boudenage of pre-existing greenstone. It has also been hypothesised by Green and others that it was during this period of deformation that the Upper Schist formation was thrust over the central quartzite and Lower Schist formations.

The second period of deformation superimposed open folds and a pervasive wrinkle lineation on the already rocks. The broad northwest trending, southwest plunging Mayo Lake anticline formed during this later period of deformation. Later but during the second period of deformation, two subsidiary anticlines; the McQuestion River and Lynx Creek anticlines, formed (Tessari, 1978). These sub-parallel structures trend northeast-south and plunge to the west. The Keno Hill-Galena Hill area is on the south limb of the McQuesten River anticline.

Granitic rocks intruded these rocks after the second period of deformation was ended.

Three ages of faulting are know the exist;
1) early formed bedding plain and low angle faults
2) vein faults and
3) late cross faults, low angle faults and bedding faults.

The early bedding plain and low angle faults show small displacements and are the result of thrusting accompanying regional folding. They may follow bedding plains or cross cut the strata at a low angle and are seldom ore-bearing.

The vein faults create breccia, sheeted zones and void spaces when cutting through competent rock such as greenstone or quartzite. These zones range from 1.5 to 15.0 metres wide and are responsible for localising ore. Two types of vein faults are recognised; transverse faults which strike between zero degrees and 45 degrees azimuth; and more commonly, longitudinal faults which strike between 35 degrees and 80 degrees azimuth.

In schists, the faults are tight and pose a barrier to migrating fluids.

Late crossing faults commonly strike northwesterly, dip about 60 degrees and show horizontal displacement of zero to 150 metres. Most of these appear as a series of slips and fractures with an associated breccia zone 6-30 metres in thickness.

Vein faults and cross faults can both be shown to post-date the younger deformation because they contain fragments of lineated phyllites (Green, 1971). It is certainly evident that cross faults post-date vein faults as many vein faults are off set by cross faults. Several periods of movement in the vein faults are indicated by brecciation of ore minerals. The relative ages of the vein and cross faults to the period of mineralization is controversial. This is an extremely significant relationship as 95% of the districts silver production is from deposits associated with cross faults. Boyle (1965) considers that the cross faults are post-mineralization and the presence of cross faults in nearly every mine is insedental. Franzen (1971) on the other hand, states that the cross faults are premineralization and acted as barriers to ore solutions there by having and damming effect on mineralizing solutions and creating ore pods.

Favourable locations for ore loads exist where vein faults cut through competent greenstone or quartzite and especially where these faults are truncated by a cross fault or transition between different rock types.

Two stages of mineralization are evident. In the first stage, quartz, pyrite, arsenopyrite and minor gold were deposited along vein faults. Later brecciation allowed the deposition of siderite, galena, sphalerite, pyrite, freibergite, chalcopyrite, meneghinite, boulangerite, dolomite, quartz and minor barite. Later reworking, bleaching, oxidisation and remobilisation of ore mineral played important roles as secondary concentrating processes. Vein mineralization probably originated from a circulating hydrothermal system driven by thermal energy from near bye granitic intrusive as K-Ar dating of mineralisation (87 million years) coincides with K-Ar ages for a number of crustaceous intrusive (81 -109 million years) in the area (A. J. Sinclair, et.al., 1980).

2.1 PROPERTY GEOLOGY

The Adam and Al claims are underlain by metasediments of the Lower Shist formation and the Central Quartzite formation of probable Jurassic age.

Greenstone boudins, deformed remnants of early diabase dyles and skills, occur interspersed throughout the metasedimentary sequence.

2.2 LITHOLOGICAL UNITS

Unit 1 - Lower Schist

The lower schist formation on the Al and Adam claim is composed of a lower sequence of graphitic phyllite with minor thin bedded quartzite and an upper sequence of thick bedded quartzite of the No. 9 Quartzite unit with interbedded thin bedded quartzite and sericite schist. The minimum thickness of the Lower Schist in this area is 700 metres.

The upper sequence consists primarily of thick bedded quartzite of the No. 9 Quartzite unit. The No. 9 Quartzite is the most competent member found in the Keno Hill area and is favourable host rock for vein mineralization. It is usually light grey to dark grey in colour and is composed of thick bedded quartzite (1.0 to 6.0 metres) interbedded with graphitic phyllite and thin bedded quartzites. The 1982 mapping extended a thick section of this quartzite unit across the lower, northern portions of the ridge lying east of McMillan Gulch. Quartzite strata structurally over-lying this massive horizon (i.e. further south on this ridge) are much thinner bedded and are intercalculated with schistose and phyletic lithology's.

The upper part of the Lower Schist formation contains several quartz-sericite schist units. They crop out at the top of Faith Gulch and along the north slope of Lightning Creek opposite Thunder Gulch.

Unit 2 - Central Quartzite Formation

The Central Quartzite Formation is composed of thin to thick bedded quartzite interbedded with graphitic and sericite schists. The competency difference in these lithologies has allowed the development and preservation of many minor structures.

The Central Quartzite - Lower Schist formation contact runs northwest - southwest down McNiell Gulch.

Unit 4 - Greenstone

Greenstones are found predominantly within the schistose formations and occur as conformable sills and boudins. They are schistose to coarse grained and consist of diorite, gabbro and their altered equivalents. The greenstones vary in thickness from one metre to hundreds of metres. One body commonly thins or pinches out and another appears in its thickest width in overlying or underlying beds. The greenstone is dark green or grey to brownish green in colour and has a varied texture due to the alteration and replacement of mafic minerals (amphibole and bioite) and feldspar by secondary amphiboles, saussuritization, chloritization and silicification. The greenstone has a diabasic texture with some evidence of original grain size and layering in large bodies and intense foliation in small bodies.

A series of discontinuous greenstone bodies crop out on the crest of Bunker Hill (Plate 2) and extend southeasterly to the headwaters of McNiel Gulch. They are contained in a sequence of thin bedded quartzites with interbedded graphitic phyllite and schist. Similar smaller greenstone boudins occur on the noses of ridges adjacent to McNiell Gulches.

2.3 MINERALIZATION

The area of interest lying immediately above the break in slope on the northern and northeastern portions of the ridge between McNiell and McMillan Gulches contains numerous vein and stock work type structures, cutting thick bedded quartzites with minor graphite phyllites and quartz sericite schists. Vuggy quartz veins with numerous quartz crystal cavities are common in this area. Calcite and siderite are common accessories in some veins.

This particular area on the nose of this ridge remains the most prospective zone located to date on the Al 1 -6 claims.

3.0 GEOCHEMISTRY

A total of ten (10) rock chip samples were taken from vein and/or altered lithologies during the course of prospecting the ridges of McNiell Gulch.

A total of six (6) soil samples were taken from different trenches and test pits. These samples were analyzed geochemically.

By:Ultratrace I.C.P. By ICP / MS (15 gm)
By: Acme Analytical Laboratories Ltd.
852 East Hastings
Vancouver, B.C.
V6A 1R6
Canada

A total of twenty-four (24) soil samples were panned for observation of visable gold and other trace elements. Gold was encountered in seventeen (17) of the samples panned varying from $1.25 yd. to highest reading of $3.05 yd.

4.0 CONCLUSION AND RECOMMENDATIONS

No significant new mineralized vein structures were located by prospecting or indicated by the reconnaissance geochemical samples taken in 2000. The prime area of interest in this area remains the ridge dividing McNiel Gulch and McMillan Gulch. Numerous quartz - calcite veins, stockworks, and breccia zones are present here with some evidence of galena, pyrite, and/or arsenic pyrite mineralisation. A number of rock chip geochemical samples from these veins have returned significantly high analysis in lead, silver, and gold. The veins observed to date are discontinuous and of limited width due to the intensely fractures nature of the host quartzite. phyllite, and schist. If a larger more continuous structure could be defined, potential exists for locating a well mineralised vein structure (Bema Industries 1982).

Any further work on the Adam and Al claims should concentrate solely on the ridge between McNiell and McMillan Gulches, west slope. Detailed prospecting of talus slopes for quartz-siderite-galena vein material or for quartz-pyrite stockwork material should be undertaken in an effort to trace these rocks to their bedrock source. This particular area on the nose of this ridge remains the most prospective zone located to date on the Al 1-6 claims.

The next step for the properties would be to collect soil samples at 50 - 100 metre intervals at the 4500 ft. - 5000 ft. elevation of the Adam and Al claims. The exposure of quartz and greenstone which was uncovered on trails at the end of this program should be revisited and more detailed sampling at 5 - 10 metre intervals along the surface and the exposed faces.

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604) 253-3158 FAX(604) 1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Klippert, Kim File # A004227
Box 152, Mayo YT Y0B 1M0 Submitted by: Kim Klippert

ROCK SAMPLES

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
KK #01X	3 75	8.99	4624.77	62 2	34298	55 1	1 2	45	8 28	16952 9	1	5280 4	1 0	7 1	1 35	145.37	11 61	<2	03	024	2 0	22.6	.02	155 7	004	14	16	009	05	18 8	1 0	< 02	2 82	104	8.7	62	7	15
KK #02X	5 33	8 89	1009 12	20 2	15334	23 3	2 4	55	3 21	25436 8	< 1	2687.1	5	6 3	70	59 52	23 18	<2	05	039	1 0	15.3	< 01	27 9	< Q01	3	03	005	03	3 2	2	02	2 05	126	12 3	3 74	.2	15
KK #03X	1 72	158 86	12 78	106 1	404	63 4	36 7	1543	6 59	175 1	.8	10 4	3 5	23 0	24	3 07	55	116	58	085	9 3	26 3	2 02	227 7	087	1 3	15	007	06	< 2	8.1	.07	02	13	4	06	8 2	15
KK #04X	3 22	185 27	5 44	100 8	134	2 3	20 5	1729	8 16	78 3	< 1	6 9	8	136 8	13	96	32	<2	2 25	175	8 4	5 1	52	684 8	118	2 1	66	060	30	4	4 9	.18	62	26	1 0	< 02	10 3	15
KK #05X	2 79	272 86	5 44	93 5	196	1 5	20 5	1978	8 16	96 4	< 1	14 3	4	260 8	22	67	51	2 8	39	230	6 2	5 5	50	618 1	119	2 1	43	038	32	6	4 0	17	51	41	1 4	05	7 8	15
KK #06X	1 99	326 23	4 36	124 4	200	1 1	23.3	1832	10 17	32 3	< 1	8 2	.7	106 4	17	55	59	7 1	40	261	8 9	7.9	71	548 5	124	2 2	43	053	28	1 3	8 8	14	20	46	1 2	03	14 4	15
KK #07X	1 77	491 63	18 32	118.5	281	1 0	28 7	1209	10.07	107 2	< 1	16 2	4	66 6	15	.60	67	5 2	60	274	5 5	3 9	79	138 1	116	<1	2.76	021	05	4	5.7	.06	2 11	51	2 7	05	15 3	15
KK #08X	4 37	32 31	66.51	16 4	802	4 5	2 3	103	4 92	37 5	1 4	9 8	9	1 2	05	5.00	52	4	.03	012	2 3	21 6	02	2 2	.004	<1	09	002	< 01	9 4	1.7	05	3 33	23	9 0	03	7	15
KK #09X	1 54	101 32	8 34	47 6	147	34 9	17 1	558	3 03	48 8	1	6 1	2	21 7	08	1 05	3 69	72	1 03	053	2 3	43 7	1 26	57 4	249	1 1	93	008	03	2 9	3 9	02	< 01	13	< 1	04	6 3	15
KK #10	4 74	557 37	7.21	19 6	787	6 0	6 5	63	11 69	111 6	2	13 6	1 2	7	16	9 57	1 80	3	03	032	2 4	28 4	03	5 0	002	<1	09	001	< 01	12 0	9	28	10 30	16	71 0	38	1 6	15
RE KK #10	5 06	573 16	8 07	21 5	866	6 7	6 8	66	12.04	111 0	2	16 2	1 4	8	13	10 30	2 02	4	03	034	2 7	30 4	03	8 5	002	<1	.09	001	< 01	12 6	1 0	.31	11 07	14	78 1	39	1 7	15
STANDARD 052	14 19	125 80	31.52	155 1	262	34.6	11.5	811	3 03	57 8	18 4	195 8	3 4	29 1	10 20	9.10	10 53	73	52	088	15 4	159 9	59	159 7	091	2 1	74	032	16	6 9	3 0	1 82	03	235	2 2	1 68	5 9	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 18 2000 DATE REPORT MAILED: Nov 3/00 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data 1 FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Klippert, Kim File # A004226

Box 152, Mayo YT Y0B 1M0 Submitted by: Kim Klippert

Soil Samples

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
KK #4	2	17	42	98	17.56	80	5	216	31	7	11	3	748	2	40	97	1	8	23	0	3	0	15.9	40	2	32	.22	35	18	100	18	4	22	9	36	166	4	027	1	1	09	004	05	2	1.6	07	< 01	38	7	.06	3	2	15
KK #5A		79	38	13	20	23	67	0	243	28	9	12	2	193	2	14	157	9	8	4	5	5	7	4	8	38	2	38	17	20	13	968	16	4	15	0	24	59	5	007	<1	72	002	.02	< 2	2	1	.04	07	25	4	7	04	2.1	15
KK #5B	1	77	56	38	43	08	116	0	453	36	7	13	6	497	2	74	141	1	1	1	185	8	4	0	12	0	61	3	93	.23	35	.17	084	15	8	21	7	38	171	0	023	<1	1	11	003	04	2	2	7	.07	01	58	7	05	3	2	15
KK #6+7	6	49	118	66	38	13	90	7	454	33	4	17	7	796	4	07	130	3	1	7	33	1	4	9	14	7	28	2	92	53	35	.10	104	14	0	23	1	39	270	1	040	<1	1	06	005	05	3	3	1	07	02	80	1	6	14	3	3	15
KK #9A	2	28	64	39	24	16	106	4	2605	44	0	22	5	1956	2	69	167	4	10	3	43	9	4	3	14	2	1	24	2	67	20	36	22	173	15	0	41	6	35	207.7	026	<1	1	80	004	04	4	4	0	06	02	118	7	04	3	0	15
KK #9B		65	31	67	19	53	75	1	260	24	2	8	7	127	1	52	27	9	1	1	11	3	3	3	14	5	28	1	52	.16	27	21	067	12	3	16	4	31	179	5	027	<1	79	004	03	< 2	2	1	04	< 01	27	.4	05	2	2	15
RE KK #9B		64	31	18	18	23	74	7	245	23	5	8	9	123	1	51	27	8	1	1	24	1	3	0	13	7	28	1	49	15	26	21	065	11	7	17	2	31	179	3	026	<1	78	004	03	2	1	9	03	01	38	.3	05	2	2	15
STANDARD DS2	14	41	126	91	32	75	156	3	250	34	7	11	7	816	3	05	60	4	19	4	191	0	3	5	28	7	10	12	9.70	10	62	74	53	089	16	0	160	2	60	158	0	093	2	1	71	032	17	7	0	3	1	80	02	226	2	3	1	98	6.1	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 18 2000 DATE REPORT MAILED: Nov 3/00 SIGNED BY ..... C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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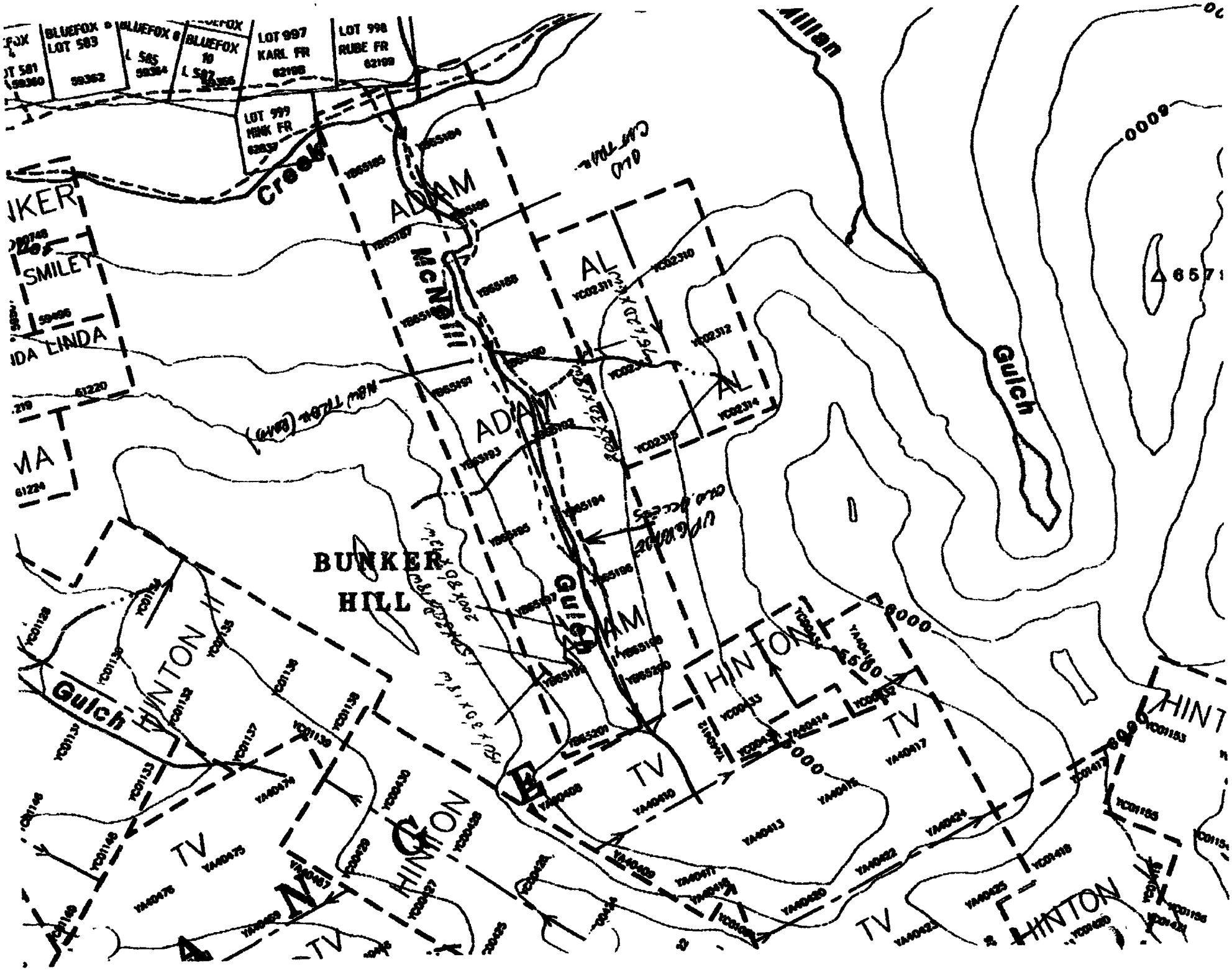
Data V FA ___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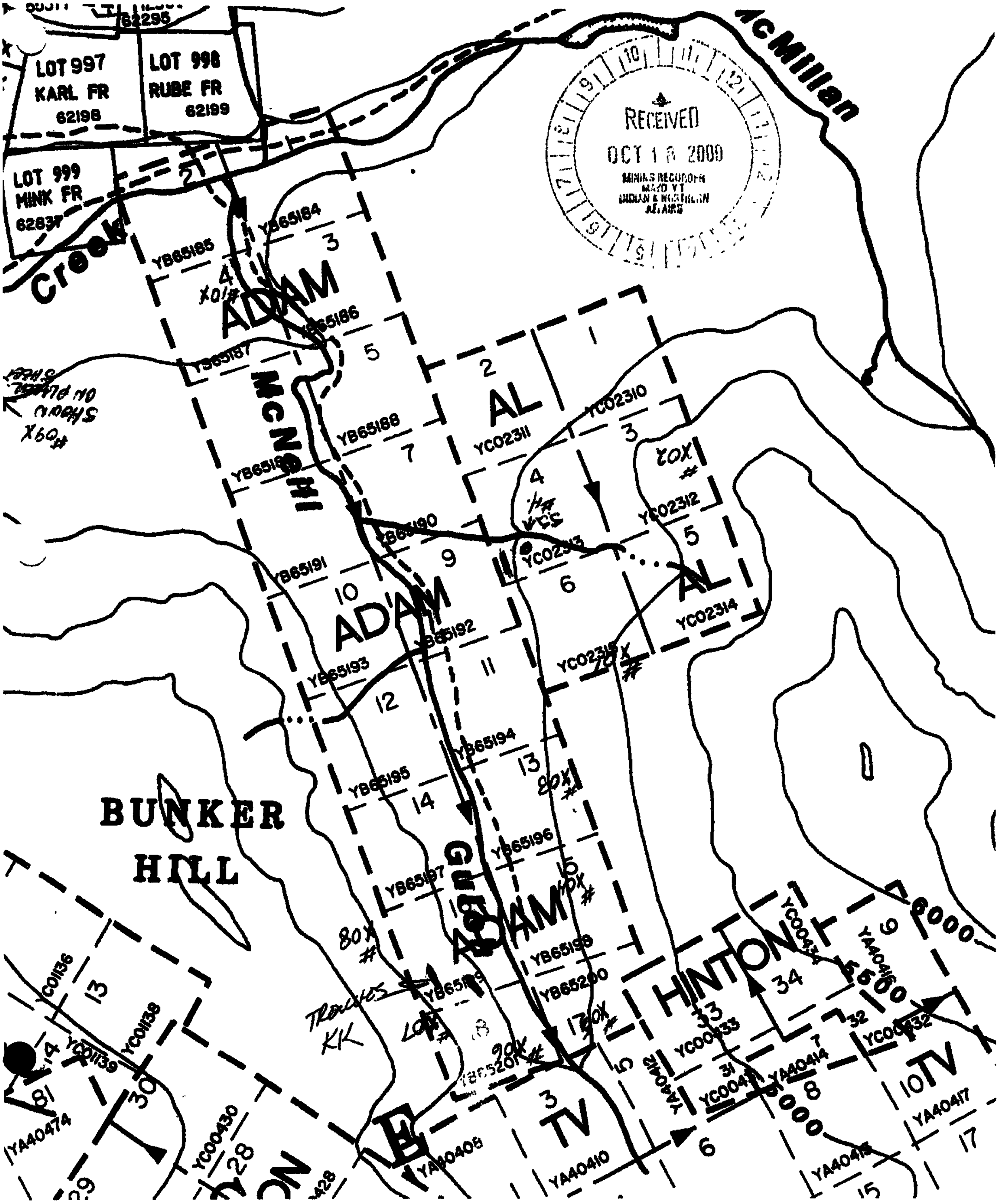

LOT 997
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MINK FR
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MINING RECORDER
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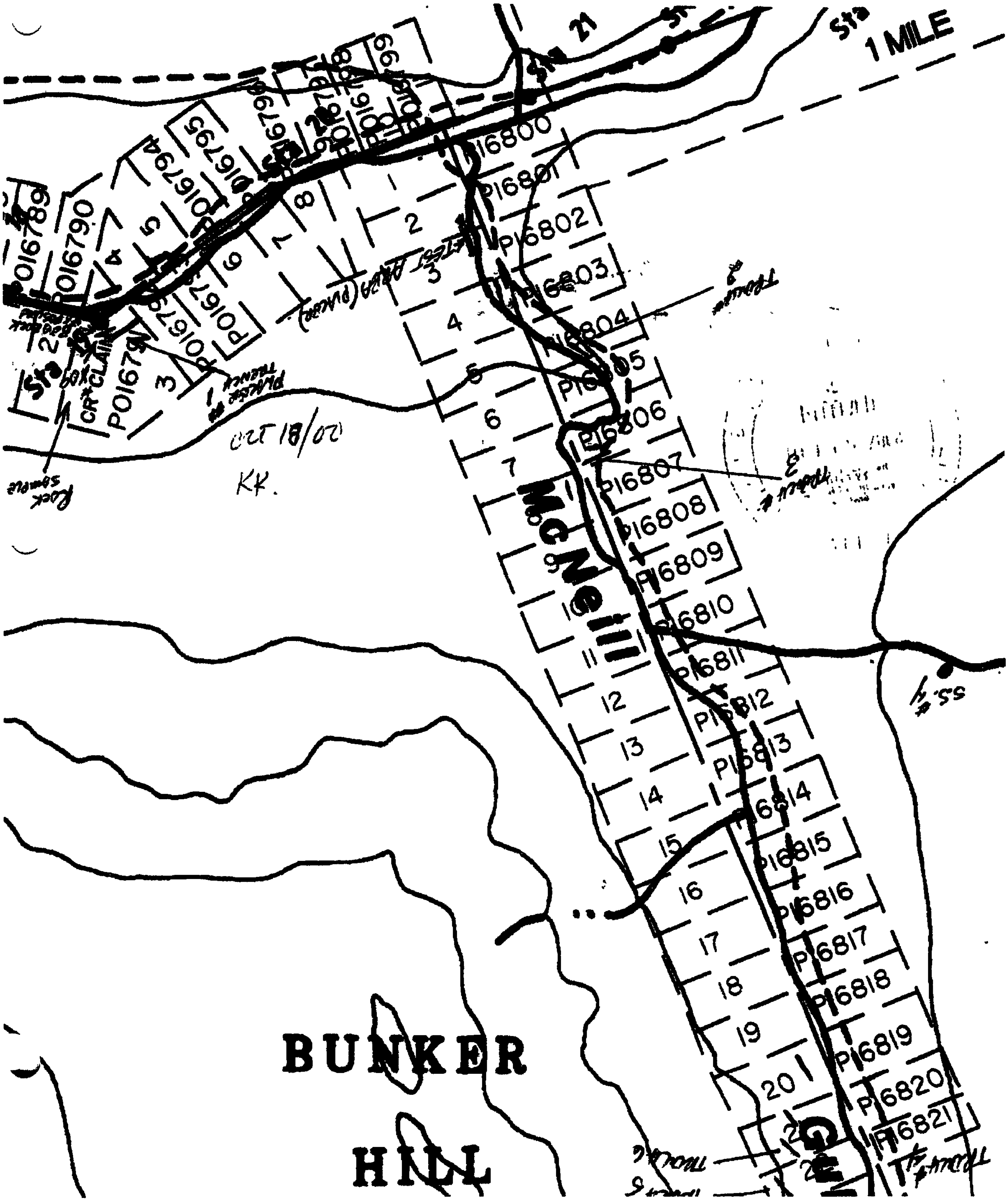

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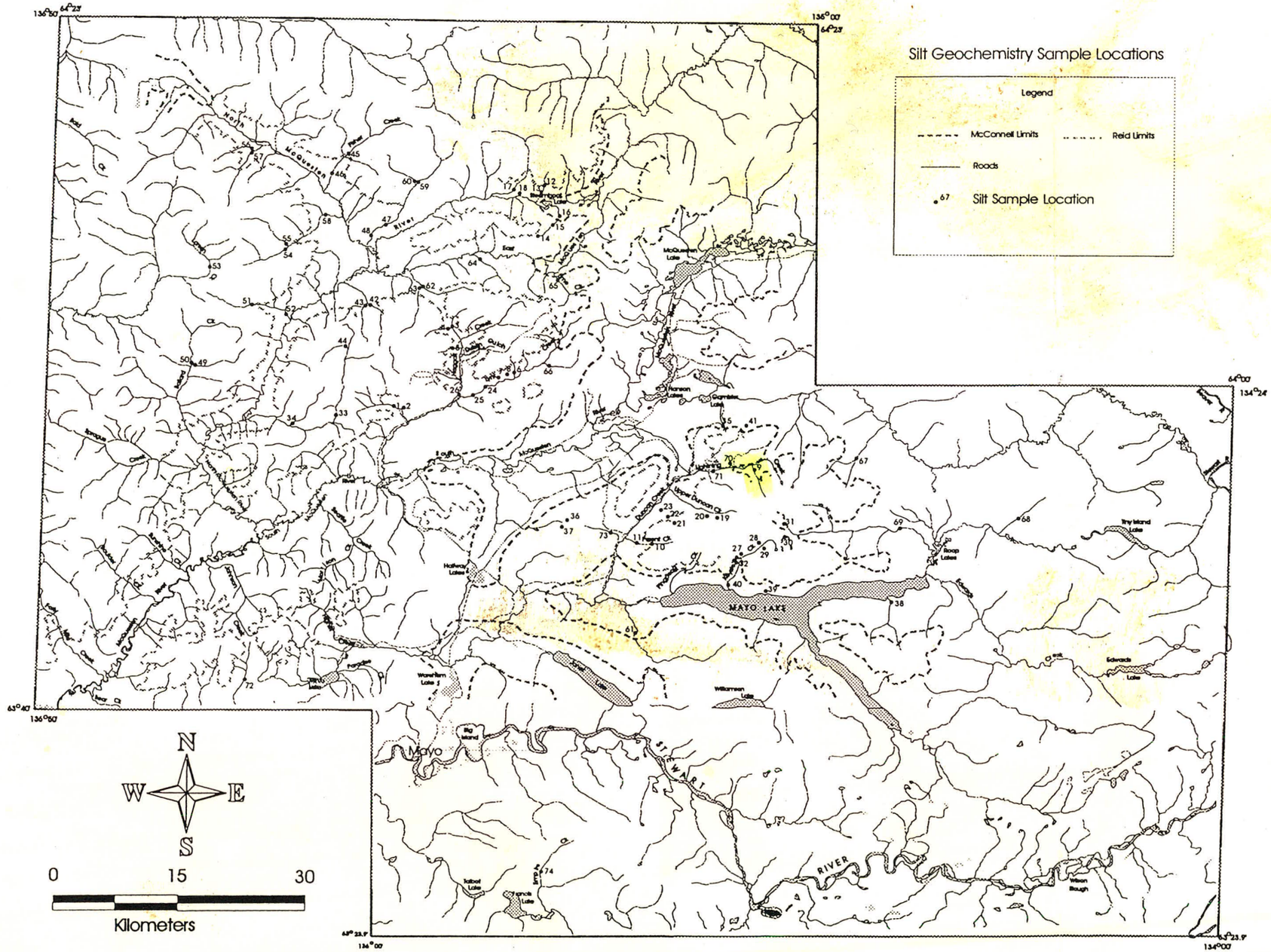
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McConnell Limits
Reid Limits
Roads
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Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

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GEOSCIENCE OFFICE
BOX 2703 F-3
WHITEHORSE, YT
Y1A 2C6

Page Number : 1-A
Total Pages : 2
Certificate Date: 09-OCT-96
Invoice No. : 19634549
P.O. Number :
Account : MZQ

Project : MAYO PLACER
Comments: ATTN: RODERIC HILL CC: JEFFREY BOND CC: WILLIAM LEBARGE

CERTIFICATE OF ANALYSIS A9634549

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
JB96-05-SS01	201	202	20	< 0.2	0.71	12	130	< 0.5	< 2	0.26	< 0.5	7	13	14	1.90	< 10	< 1	0.04	30	0.27	250
JB96-06-SS02	201	202	< 5	< 0.2	0.80	36	150	< 0.5	< 2	0.26	< 0.5	11	15	21	2.31	< 10	< 1	0.06	30	0.31	395
JB96-07-SS03	201	202	< 5	< 0.2	0.85	12	210	< 0.5	< 2	0.32	< 0.5	11	14	14	2.10	< 10	1	0.05	20	0.31	370
JB96-08-SS04	201	202	< 5	< 0.2	0.74	16	230	< 0.5	< 2	0.19	0.5	16	13	19	3.14	< 10	< 1	0.04	20	0.23	1385
JB96-10-SS05	201	202	< 5	0.2	0.90	34	130	< 0.5	< 2	0.20	< 0.5	10	14	22	2.49	< 10	< 1	0.06	30	0.34	400
JB96-19-SS06	201	202	< 5	< 0.2	1.83	232	180	< 0.5	< 2	0.68	< 0.5	13	27	24	2.92	< 10	< 1	0.15	20	0.62	420
JB96-20-SS07	201	202	< 5	< 0.2	1.71	192	380	< 0.5	< 2	0.44	< 0.5	22	27	22	3.06	< 10	< 1	0.13	30	0.56	1440
JB96-21-SS08	201	202	30	< 0.2	1.61	188	190	< 0.5	< 2	0.74	< 0.5	12	25	19	2.52	< 10	< 1	0.11	20	0.50	325
JB96-22-SS09	201	202	65	0.2	0.65	54	90	< 0.5	< 2	0.16	< 0.5	5	11	17	1.28	< 10	< 1	0.01	10	0.17	275
JB96-23-SS10	201	202	< 5	< 0.2	1.30	8	280	< 0.5	< 2	0.32	1.5	30	15	25	2.50	< 10	< 1	0.04	30	0.39	555
JB96-24-SS11	201	202	< 5	< 0.2	1.12	6	190	< 0.5	< 2	0.33	2.5	31	13	26	2.16	< 10	< 1	0.04	30	0.36	695
JB96-25-SS12	201	202	< 5	< 0.2	1.17	6	660	< 0.5	< 2	0.49	< 0.5	13	18	39	2.88	< 10	< 1	0.07	30	0.47	545
JB96-26-SS13	201	202	< 5	< 0.2	0.96	4	1040	< 0.5	< 2	0.36	< 0.5	16	13	64	2.67	< 10	< 1	0.05	20	0.39	1140
JB96-29-SS14	201	202	< 5	< 0.2	1.19	6	200	< 0.5	< 2	0.32	< 0.5	12	16	29	2.65	< 10	< 1	0.03	30	0.54	1020
JB96-30-SS15	201	202	< 5	< 0.2	1.42	2	310	< 0.5	< 2	0.53	< 0.5	13	21	32	2.82	< 10	< 1	0.05	30	0.60	605
JB96-31-SS16	201	202	< 5	< 0.2	1.29	4	380	< 0.5	< 2	0.56	< 0.5	12	21	29	2.74	< 10	1	0.05	20	0.62	460
JB96-32-SS17	201	202	< 5	< 0.2	1.24	4	460	< 0.5	< 2	0.37	0.5	16	17	24	2.90	< 10	< 1	0.05	10	0.46	555
JB96-33-SS18	201	202	< 5	< 0.2	0.89	2	490	< 0.5	< 2	0.48	< 0.5	6	13	10	1.75	< 10	< 1	0.03	10	0.36	445
JB96-34-SS19	201	202	< 5	< 0.2	0.94	8	160	< 0.5	< 2	0.20	< 0.5	8	13	21	2.03	< 10	< 1	0.03	20	0.37	565
JB96-35-SS20	201	202	< 5	< 0.2	1.03	10	170	< 0.5	< 2	0.30	1.5	8	14	26	2.47	< 10	< 1	0.04	30	0.40	485
JB96-38-SS21	201	202	< 5	< 0.2	1.30	10	120	< 0.5	< 2	0.34	< 0.5	9	15	16	2.55	< 10	< 1	0.04	30	0.44	455
JB96-39-SS22	201	202	< 5	< 0.2	0.91	10	100	< 0.5	< 2	0.31	< 0.5	8	12	12	2.00	< 10	< 1	0.03	20	0.35	365
JB96-40-SS23	201	202	< 5	< 0.2	0.95	10	110	< 0.5	< 2	0.40	< 0.5	9	13	16	2.26	< 10	< 1	0.04	30	0.36	265
JB96-41-SS24	201	202	20	< 0.2	1.14	60	190	< 0.5	< 2	0.49	0.5	10	17	15	2.12	< 10	< 1	0.07	20	0.44	595
JB96-42-SS25	201	202	< 5	< 0.2	1.06	58	180	< 0.5	< 2	0.42	0.5	9	17	15	1.99	< 10	< 1	0.07	10	0.41	530
JB96-43-SS26	201	202	45	< 0.2	0.73	74	190	< 0.5	< 2	0.42	< 0.5	10	16	20	2.39	< 10	< 1	0.07	20	0.38	525
JB96-44-SS27	201	202	< 5	< 0.2	1.02	72	70	< 0.5	< 2	0.47	< 0.5	10	11	19	2.54	< 10	< 1	0.04	30	0.51	425
JB96-45-SS28	201	202	< 5	1.0	1.20	52	230	< 0.5	< 2	0.24	0.5	14	20	31	2.83	< 10	< 1	0.04	10	0.39	510
JB96-46-SS29	201	202	< 5	< 0.2	1.25	28	100	< 0.5	< 2	0.34	< 0.5	13	24	31	2.95	< 10	< 1	0.05	30	0.59	460
JB96-47-SS30	201	202	25	0.4	1.73	36	320	< 0.5	< 2	0.30	1.5	22	33	39	2.81	< 10	< 1	0.04	10	0.44	670
JB96-48-SS31	201	202	20	0.6	1.39	128	150	< 0.5	< 2	0.34	0.5	11	25	34	2.90	< 10	< 1	0.05	10	0.38	415
JB96-49-SS32	201	202	10	< 0.2	1.00	46	260	< 0.5	< 2	0.30	2.0	11	13	28	2.82	< 10	< 1	0.04	40	0.39	445
JB96-51-SS33	201	202	< 5	< 0.2	1.12	12	180	< 0.5	< 2	0.21	1.5	21	13	16	2.54	< 10	< 1	0.04	20	0.29	825
JB96-52-SS34	201	202	< 5	< 0.2	0.99	10	190	< 0.5	< 2	0.31	< 0.5	9	16	15	2.22	< 10	< 1	0.04	40	0.36	780
JB96-53-SS35	201	202	235	66.0	0.88	534	120	< 0.5	< 2	0.33	10.0	16	12	114	3.62	< 10	< 1	0.03	10	0.44	2620
JB96-54-SS36	201	202	55	0.2	1.44	1190	530	< 0.5	< 2	1.00	< 0.5	14	27	15	3.74	< 10	< 1	0.06	20	0.61	2660
JB96-55-SS37	201	202	15	< 0.2	1.75	108	530	< 0.5	< 2	1.17	< 0.5	18	34	30	4.51	< 10	< 1	0.08	20	0.70	1275
JB96-56-SS38	201	202	80	< 0.2	1.13	12	140	< 0.5	< 2	0.27	0.5	19	19	28	2.56	< 10	< 1	0.03	30	0.36	325
JB96-57-SS39	201	202	< 5	< 0.2	0.76	10	100	< 0.5	< 2	0.27	< 0.5	6	13	13	1.53	< 10	< 1	0.03	10	0.26	240
JB96-58-SS40	201	202	< 5	< 0.2	0.95	28	160	< 0.5	< 2	0.31	< 0.5	7	14	18	2.28	< 10	< 1	0.03	30	0.39	290

Faro G. – JB96-53-SS35

Carkery – JB96-54-SS36

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

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

To: YUKON ECONOMIC DEVELOPMENT
GEOSCIENCE OFFICE
BOX 2703 F-3
WHITEHORSE, YT
Y1A 2C6

Certificate Date: 09-OCT-96
Invoice No. : I9634549
P.O. Number :
Account :MZQ

Project : MAYO PLACER
Comments: ATTN: RODERIC HILL CC: JEFFREY BOND CC: WILLIAM LEBARGE

CERTIFICATE OF ANALYSIS A9634549

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
JB96-60-SS41	201	202	20	1.4	1.10	98	200	< 0.5	< 2	0.26	2.5	18	15	78	3.35	< 10	< 1	0.02	10	0.57	1645
JB96-61-SS42	201	202	15	< 0.2	0.81	2	140	< 0.5	< 2	0.23	< 0.5	13	13	14	2.30	< 10	< 1	0.04	40	0.23	285
JB96-62-SS43	201	202	< 5	< 0.2	1.08	< 2	200	< 0.5	< 2	0.28	< 0.5	12	16	16	2.29	< 10	< 1	0.04	30	0.36	415
JB96-63-SS44	201	202	< 5	< 0.2	1.16	2	170	< 0.5	< 2	0.21	< 0.5	13	15	17	2.54	< 10	< 1	0.03	30	0.35	285
JB96-65-SS45	201	202	< 5	< 0.2	1.32	4	800	< 0.5	< 2	0.45	< 0.5	11	19	38	2.84	< 10	< 1	0.06	20	0.57	285
JB96-66-SS46	201	202	< 5	< 0.2	1.09	2	560	< 0.5	< 2	0.51	0.5	11	15	27	2.54	< 10	< 1	0.06	20	0.44	540
JB96-67-SS47	201	202	< 5	< 0.2	1.27	10	2140	< 0.5	< 2	0.46	0.5	12	14	42	2.98	< 10	< 1	0.06	30	0.46	1310
JB96-68-SS48	201	202	< 5	< 0.2	1.22	6	2890	< 0.5	< 2	0.45	0.5	9	14	37	2.62	< 10	< 1	0.06	20	0.44	1090
JB96-69-SS49	201	202	< 5	< 0.2	1.17	2	250	< 0.5	< 2	0.57	< 0.5	7	17	14	2.05	< 10	< 1	0.05	20	0.41	335
JB96-70-SS50	201	202	< 5	< 0.2	1.30	< 2	320	< 0.5	< 2	0.48	< 0.5	9	18	14	2.02	< 10	< 1	0.05	20	0.42	495
JB96-71-SS51	201	202	< 5	< 0.2	1.15	< 2	260	< 0.5	< 2	0.34	< 0.5	8	15	15	2.04	< 10	< 1	0.04	10	0.38	430
JB96-72-SS52	201	202	< 5	< 0.2	1.22	< 2	240	< 0.5	< 2	0.63	< 0.5	8	17	16	2.10	< 10	1	0.06	10	0.43	370
JB96-73-SS53	201	202	< 5	< 0.2	1.21	4	260	< 0.5	< 2	0.31	< 0.5	10	16	18	2.14	< 10	< 1	0.06	10	0.35	425
JB96-74-SS54	201	202	< 5	< 0.2	1.36	2	270	< 0.5	< 2	0.61	< 0.5	9	18	13	2.01	< 10	1	0.06	10	0.39	465
JB96-75-SS55	201	202	< 5	< 0.2	1.25	< 2	160	< 0.5	< 2	0.32	< 0.5	8	16	14	2.20	< 10	< 1	0.05	20	0.44	275
JB96-76-SS56	201	202	25	< 0.2	1.25	< 2	180	0.5	< 2	0.45	< 0.5	9	18	19	2.51	< 10	< 1	0.08	20	0.39	320
JB96-77-SS57	201	202	< 5	< 0.2	1.22	4	190	< 0.5	< 2	0.36	< 0.5	9	18	15	2.29	< 10	< 1	0.08	20	0.37	535
JB96-78-SS58	201	202	< 5	< 0.2	1.27	< 2	190	< 0.5	< 2	0.49	< 0.5	8	17	14	2.16	< 10	< 1	0.06	20	0.43	290
JB96-79-SS59	201	202	< 5	0.2	1.66	10	2690	< 0.5	< 2	0.55	3.5	12	15	60	2.55	< 10	< 1	0.07	10	0.38	5330
JB96-80-SS60	201	202	< 5	< 0.2	1.22	6	3610	< 0.5	< 2	0.45	0.5	13	16	37	2.33	< 10	< 1	0.06	20	0.37	955
JB96-81-SS61	201	202	< 5	< 0.2	0.49	4	80	< 0.5	< 2	0.62	< 0.5	5	7	8	1.32	< 10	< 1	0.03	10	0.22	235
JB96-82-SS62	201	202	< 5	< 0.2	0.81	2	150	< 0.5	< 2	0.37	< 0.5	9	13	16	2.23	< 10	< 1	0.05	40	0.32	465
JB96-83-SS63	201	202	< 5	< 0.2	1.23	14	280	0.5	< 2	0.37	< 0.5	30	16	21	4.17	< 10	< 1	0.06	30	0.30	1295
JB96-84-SS64	201	202	< 5	< 0.2	0.75	2	90	< 0.5	< 2	0.45	< 0.5	10	14	18	2.57	< 10	< 1	0.03	40	0.36	380
JB96-85-SS65	201	202	< 5	< 0.2	1.08	8	210	< 0.5	< 2	0.65	< 0.5	10	16	19	2.32	< 10	< 1	0.05	20	0.45	485
JB96-86-SS66	201	202	< 5	< 0.2	1.48	110	260	< 0.5	< 2	0.61	< 0.5	10	23	21	2.15	< 10	< 1	0.06	10	0.50	450
JB96-87-SS67	201	202	< 5	< 0.2	0.87	10	290	< 0.5	< 2	0.62	0.5	7	15	17	1.67	< 10	< 1	0.09	20	0.47	680
JB96-88-SS68	201	202	< 5	< 0.2	0.66	4	610	< 0.5	< 2	0.30	< 0.5	6	12	15	1.76	< 10	< 1	0.04	10	0.29	315
JB96-89-SS69	201	202	< 5	< 0.2	0.86	8	240	< 0.5	< 2	0.44	< 0.5	5	14	51	1.49	< 10	< 1	0.08	30	0.35	410
JB96-90-SS70	201	202	200	44.6	0.95	620	130	< 0.5	< 2	0.53	45.5	12	14	84	3.58	< 10	< 1	0.04	10	0.48	3370
JB96-91-SS71	201	202	120	21.8	1.00	328	180	< 0.5	< 2	0.37	19.0	10	16	55	2.90	< 10	< 1	0.03	10	0.41	2170
JB96-92-SS72	201	202	< 5	< 0.2	0.63	8	120	< 0.5	< 2	0.34	< 0.5	6	9	15	1.75	< 10	< 1	0.05	20	0.24	230
JB96-93-SS73	201	202	10	< 0.2	0.90	28	270	< 0.5	< 2	0.46	< 0.5	7	16	28	1.96	< 10	< 1	0.05	20	0.39	435
JB96-94-SS74	201	202	< 5	< 0.2	1.00	4	200	< 0.5	< 2	0.44	< 0.5	8	18	21	1.94	< 10	< 1	0.10	20	0.52	275

CERTIFICATION: Roderic Hill

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: YUKON ECONOMIC DEVELOPMENT
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WHITEHORSE, YT
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Page Number :1-B
Total Pages :2
Certificate Date: 09-OCT-96
Invoice No. :I9634549
P.O. Number :
Account :MZQ

Project : MAYO PLACER
Comments: ATTN: RODERIC HILL CC: JEFFREY BOND CC: WILLIAM LEBARGE

CERTIFICATE OF ANALYSIS A9634549

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
JB96-05-SS01	201	202	< 1	< 0.01	16	510	18	2	1	22	0.02	< 10	< 10	20	< 10	72
JB96-06-SS02	201	202	1	< 0.01	21	570	28	2	2	24	0.03	< 10	< 10	23	< 10	84
JB96-07-SS03	201	202	1	< 0.01	21	560	10	< 2	2	29	0.03	< 10	< 10	24	< 10	62
JB96-08-SS04	201	202	1	< 0.01	29	480	26	< 2	1	17	0.02	< 10	< 10	23	< 10	128
JB96-10-SS05	201	202	1	< 0.01	18	430	30	2	1	18	0.01	< 10	< 10	20	< 10	78
JB96-19-SS06	201	202	2	< 0.01	26	580	12	< 2	4	47	0.08	< 10	< 10	41	10	84
JB96-20-SS07	201	202	2	< 0.01	25	520	8	< 2	4	37	0.08	< 10	< 10	44	< 10	94
JB96-21-SS08	201	202	3	< 0.01	22	630	10	< 2	4	45	0.06	< 10	< 10	37	10	76
JB96-22-SS09	201	202	1	< 0.01	13	370	16	< 2	1	9	0.02	< 10	< 10	16	< 10	54
JB96-23-SS10	201	202	1	< 0.01	41	600	14	< 2	1	25	0.02	< 10	< 10	23	< 10	262
JB96-24-SS11	201	202	1	< 0.01	65	550	10	< 2	1	25	0.02	< 10	< 10	19	< 10	320
JB96-25-SS12	201	202	1	< 0.01	32	540	16	< 2	1	52	0.01	< 10	< 10	20	< 10	108
JB96-26-SS13	201	202	3	< 0.01	39	540	16	< 2	1	55	< 0.01	< 10	< 10	16	< 10	106
JB96-29-SS14	201	202	1	< 0.01	26	610	12	< 2	1	37	0.03	< 10	< 10	24	< 10	76
JB96-30-SS15	201	202	1	< 0.01	29	670	12	< 2	3	61	0.03	< 10	< 10	28	< 10	98
JB96-31-SS16	201	202	2	< 0.01	31	670	10	< 2	2	60	0.04	< 10	< 10	30	< 10	98
JB96-32-SS17	201	202	1	< 0.01	47	620	14	< 2	1	35	< 0.01	< 10	< 10	19	< 10	160
JB96-33-SS18	201	202	1	< 0.01	16	1090	6	< 2	1	28	0.02	< 10	< 10	20	< 10	60
JB96-34-SS19	201	202	1	< 0.01	18	500	10	< 2	1	15	0.02	< 10	< 10	21	< 10	60
JB96-35-SS20	201	202	3	< 0.01	42	630	16	< 2	1	26	0.01	< 10	< 10	22	< 10	194
JB96-38-SS21	201	202	1	< 0.01	21	540	14	< 2	1	22	0.01	< 10	< 10	21	< 10	100
JB96-39-SS22	201	202	< 1	< 0.01	16	420	12	44	1	20	0.01	< 10	< 10	16	< 10	58
JB96-40-SS23	201	202	1	< 0.01	17	720	12	8	1	28	0.03	< 10	< 10	21	< 10	66
JB96-41-SS24	201	202	2	0.01	20	730	14	< 2	2	33	0.04	< 10	< 10	27	< 10	96
JB96-42-SS25	201	202	1	0.01	19	710	12	< 2	2	29	0.04	< 10	< 10	26	< 10	90
JB96-43-SS26	201	202	1	< 0.01	21	570	28	6	1	27	0.03	< 10	< 10	23	< 10	80
JB96-44-SS27	201	202	1	< 0.01	20	520	14	2	1	37	0.01	< 10	< 10	11	< 10	72
JB96-45-SS28	201	202	2	< 0.01	67	650	14	< 2	1	17	0.01	< 10	< 10	21	< 10	176
JB96-46-SS29	201	202	1	< 0.01	46	640	16	< 2	2	22	0.02	< 10	< 10	19	< 10	118
JB96-47-SS30	201	202	2	< 0.01	39	800	16	< 2	3	22	0.03	< 10	< 10	42	< 10	164
JB96-48-SS31	201	202	3	< 0.01	33	1000	26	< 2	3	24	0.03	< 10	< 10	34	< 10	124
JB96-49-SS32	201	202	3	< 0.01	54	590	16	10	1	27	< 0.01	< 10	< 10	22	< 10	226
JB96-51-SS33	201	202	1	< 0.01	36	420	18	2	1	24	0.03	< 10	< 10	22	< 10	164
JB96-52-SS34	201	202	1	< 0.01	21	540	18	< 2	1	30	0.04	< 10	< 10	23	< 10	78
JB96-53-SS35	201	202	7	< 0.01	32	1220	>10000	74	1	29	0.01	< 10	< 10	16	< 10	818
JB96-54-SS36	201	202	1	< 0.01	25	770	34	6	3	62	0.03	< 10	< 10	32	< 10	114
JB96-55-SS37	201	202	1	< 0.01	36	690	22	4	4	82	0.03	< 10	< 10	38	< 10	118
JB96-56-SS38	201	202	1	< 0.01	38	560	6	< 2	1	18	0.03	< 10	< 10	34	< 10	160
JB96-57-SS39	201	202	1	< 0.01	14	490	8	< 2	1	18	0.02	< 10	< 10	19	< 10	46
JB96-58-SS40	201	202	1	< 0.01	22	570	10	8	1	21	0.01	< 10	< 10	18	< 10	92

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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Comments: ATTN: RODERIC HILL CC: JEFFREY BOND CC: WILLIAM LEBARGE

CERTIFICATE OF ANALYSIS A9634549

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
JB96-60-SS41	201	202	5	< 0.01	42	870	94	2	1	26	< 0.01	< 10	< 10	17	< 10	302
JB96-61-SS42	201	202	1	< 0.01	23	480	12	< 2	1	24	0.03	< 10	< 10	22	< 10	96
JB96-62-SS43	201	202	1	< 0.01	19	490	14	< 2	1	31	0.03	< 10	< 10	24	< 10	72
JB96-63-SS44	201	202	1	< 0.01	20	410	14	< 2	1	29	0.01	< 10	< 10	19	< 10	78
JB96-65-SS45	201	202	2	< 0.01	32	880	18	< 2	2	43	0.01	< 10	< 10	21	< 10	112
JB96-66-SS46	201	202	1	< 0.01	29	790	14	< 2	2	45	0.01	< 10	< 10	21	< 10	114
JB96-67-SS47	201	202	3	< 0.01	83	800	16	< 2	2	65	0.01	< 10	< 10	21	< 10	280
JB96-68-SS48	201	202	4	< 0.01	62	970	14	< 2	1	69	0.01	< 10	< 10	20	< 10	246
JB96-69-SS49	201	202	1	< 0.01	17	580	8	< 2	2	59	0.04	< 10	< 10	25	< 10	64
JB96-70-SS50	201	202	1	< 0.01	17	600	8	< 2	2	52	0.03	< 10	< 10	26	< 10	76
JB96-71-SS51	201	202	1	< 0.01	17	510	12	< 2	2	39	0.02	< 10	< 10	22	< 10	78
JB96-72-SS52	201	202	1	< 0.01	19	520	12	< 2	2	74	0.03	< 10	< 10	23	< 10	72
JB96-73-SS53	201	202	2	< 0.01	21	590	12	< 2	2	41	0.02	< 10	< 10	26	< 10	114
JB96-74-SS54	201	202	1	< 0.01	17	610	10	< 2	2	81	0.02	< 10	< 10	25	< 10	88
JB96-75-SS55	201	202	1	< 0.01	17	430	14	< 2	1	36	0.01	< 10	< 10	20	< 10	66
JB96-76-SS56	201	202	1	< 0.01	18	540	14	< 2	2	46	0.01	< 10	< 10	22	< 10	68
JB96-77-SS57	201	202	1	< 0.01	18	480	12	< 2	2	37	0.02	< 10	< 10	23	< 10	64
JB96-78-SS58	201	202	1	< 0.01	18	510	12	< 2	2	51	0.02	< 10	< 10	22	< 10	68
JB96-79-SS59	201	202	6	< 0.01	274	940	8	2	3	79	0.01	< 10	< 10	25	< 10	1065
JB96-80-SS60	201	202	3	< 0.01	47	820	10	< 2	2	72	0.03	< 10	< 10	27	< 10	168
JB96-81-SS61	201	202	1	< 0.01	10	430	6	< 2	< 1	38	0.02	< 10	< 10	10	< 10	32
JB96-82-SS62	201	202	1	< 0.01	18	530	12	< 2	1	34	0.03	< 10	< 10	21	< 10	62
JB96-83-SS63	201	202	1	< 0.01	54	630	12	< 2	2	34	0.03	< 10	< 10	28	< 10	210
JB96-84-SS64	201	202	1	< 0.01	22	520	10	< 2	1	24	0.01	< 10	< 10	15	< 10	50
JB96-85-SS65	201	202	1	< 0.01	20	670	18	< 2	2	45	0.02	< 10	< 10	23	< 10	106
JB96-86-SS66	201	202	3	0.01	20	860	18	< 2	3	34	0.04	< 10	< 10	37	< 10	116
JB96-87-SS67	201	202	2	< 0.01	16	1230	6	< 2	2	28	0.05	< 10	< 10	29	< 10	68
JB96-88-SS68	201	202	1	< 0.01	19	580	10	< 2	1	25	0.01	< 10	< 10	17	< 10	98
JB96-89-SS69	201	202	1	< 0.01	14	1010	4	< 2	2	26	0.05	< 10	< 10	27	< 10	70
JB96-90-SS70	201	202	3	< 0.01	29	900	1290	28	3	23	0.04	< 10	< 10	27	< 10	4340
JB96-91-SS71	201	202	4	< 0.01	23	860	526	14	2	20	0.04	< 10	< 10	28	< 10	1815
JB96-92-SS72	201	202	1	< 0.01	13	320	10	< 2	1	32	0.01	< 10	< 10	14	< 10	52
JB96-93-SS73	201	202	3	< 0.01	16	640	12	2	2	29	0.04	< 10	< 10	27	< 10	66
JB96-94-SS74	201	202	1	< 0.01	17	590	6	< 2	2	31	0.05	< 10	< 10	24	< 10	46

CERTIFICATION: Ian Bichler

CREEK NAME McNeill Gulch

HOLE 1 CLAIM P5708 DATE August 14, 1982

LOCATION 90 ft. N50° E of post 1, P5709 COLLAR ELEV. 4000 ft.

HOLE DEPTH 65 ft. DRILLER O. Thiel PANNER C. Campbell

(Theor. Vol. .05681/5ft.) Meas. Vol. in yds.^{3} ÷ 1.33	Ounces of Gold x 10^{-4}	Ounces of Gold/yd^3 x 10^{-3}	Ounces of Gold/yd^3 x 10^{-3} (10 9 8 7 6 5 4 3 2 1 0)	Depth	Lithology	Description of Lithology
Theoretical hole volumes applied				0		Sandy gravel. 30% sand and 70% subangular to sub-rounded, pebble to cobble sized gravel consisting of 50% Quartzite, 20% Greenstone Diorite-Gabbro, 20% Quartz, and 10% Schist.
	-	-		5		
	-	-		10		
	-	-		15		
	-	-		20		Rounded to subrounded, cobble to boulder sized gravel consisting of 55% Quartzite, 20% Greenstone-Diorite-Gabbro, 20% Quartz, and 5% Schist. Black sand in concentrate. Water was encountered at 38 ft. Subrounded cobble to boulder sized gravel.
	1.608	2.831		25		
	-	-		30		
	-	-		35		
	-	-		40		
	-	-		45		
	-	-		50		
	-	-		55		
	-	-		60		
	-	-		65		
				70		
				75		

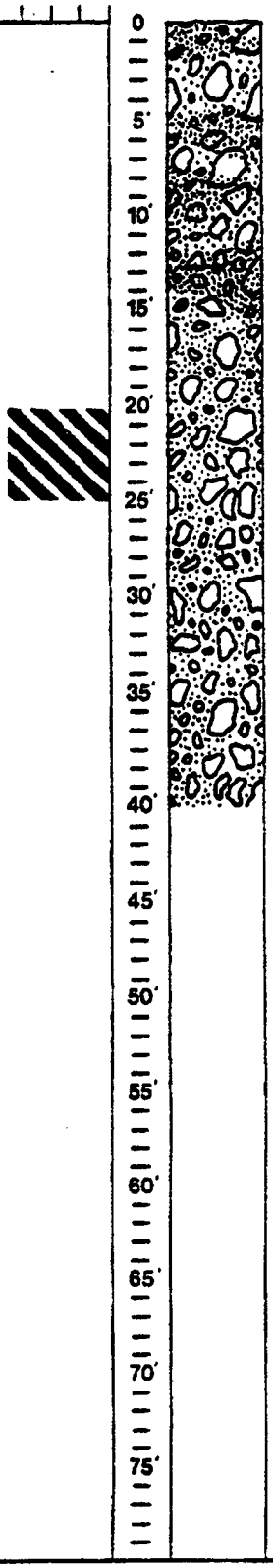
CREEK NAME Lightning Creek

HOLE 3 CLAIM P5771 DATE August 26, 1982

LOCATION 216 ft. N45° E of post 1, P5771 COLLAR ELEV. 4000 ft.

HOLE DEPTH 40 ft. DRILLER O. Thiel PANNER C. Campbell

(Theor. Vol. .05681/5ft.) Meas. Vol. in yds.³ + 1.33	Ounces of Gold x 10^{-4}	Ounces of Gold/yd.³ x 10^{-3}
Theoretical hole volumes applied		
	-	-
	-	-
	-	-
	1.929	3.396
	-	-
	-	-
	-	-



Lithology

Description of Lithology

Silty gravel. 30% silt and 70% subrounded, pebble to cobble sized gravel consisting of 40% Quartzite, 25% Greenstone-Diorite-Gabbro, 25% Quartz, and 10% Schist.

Cobble to boulder sized, rounded to subrounded gravel consisting of 55% Quartzite, 20% Greenstone-Diorite-Gabbro, 20% Quartz, and 5% Schist. Water at 34 ft.

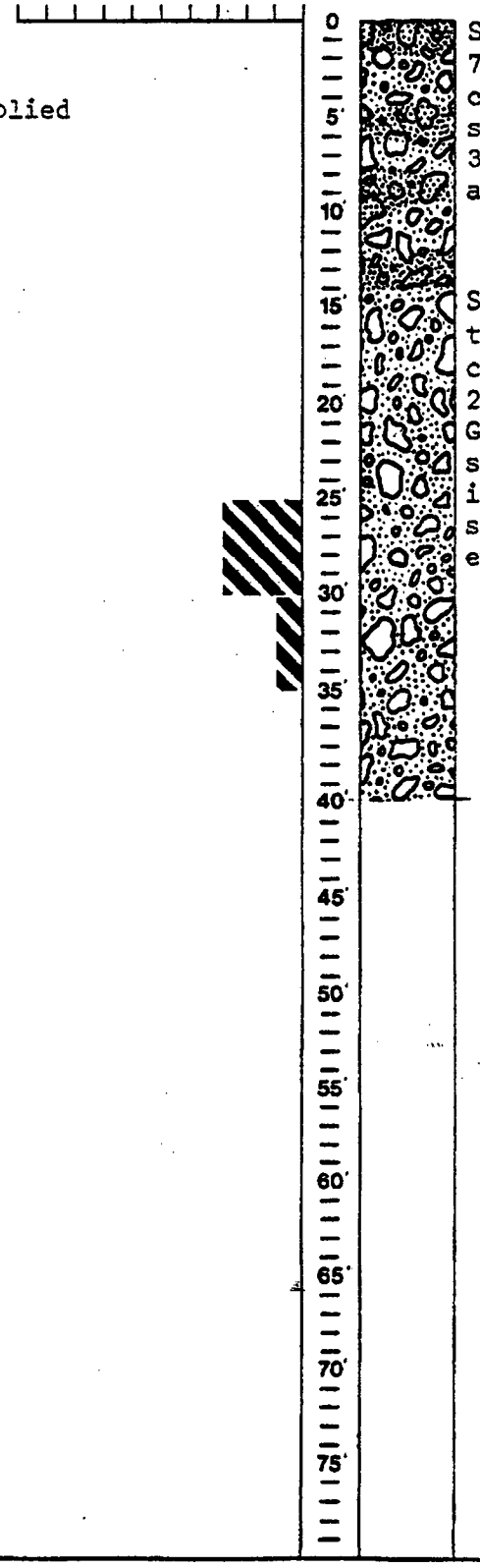
CREEK NAME Lightning Creek

HOLE 7 CLAIM P5771 DATE August 28, 1982

LOCATION 455 ft. N51° E of post 1, P5771 COLLAR ELEV. 4000 ft.

HOLE DEPTH 40 ft. DRILLER O. Thiel PANNER C. Campbell

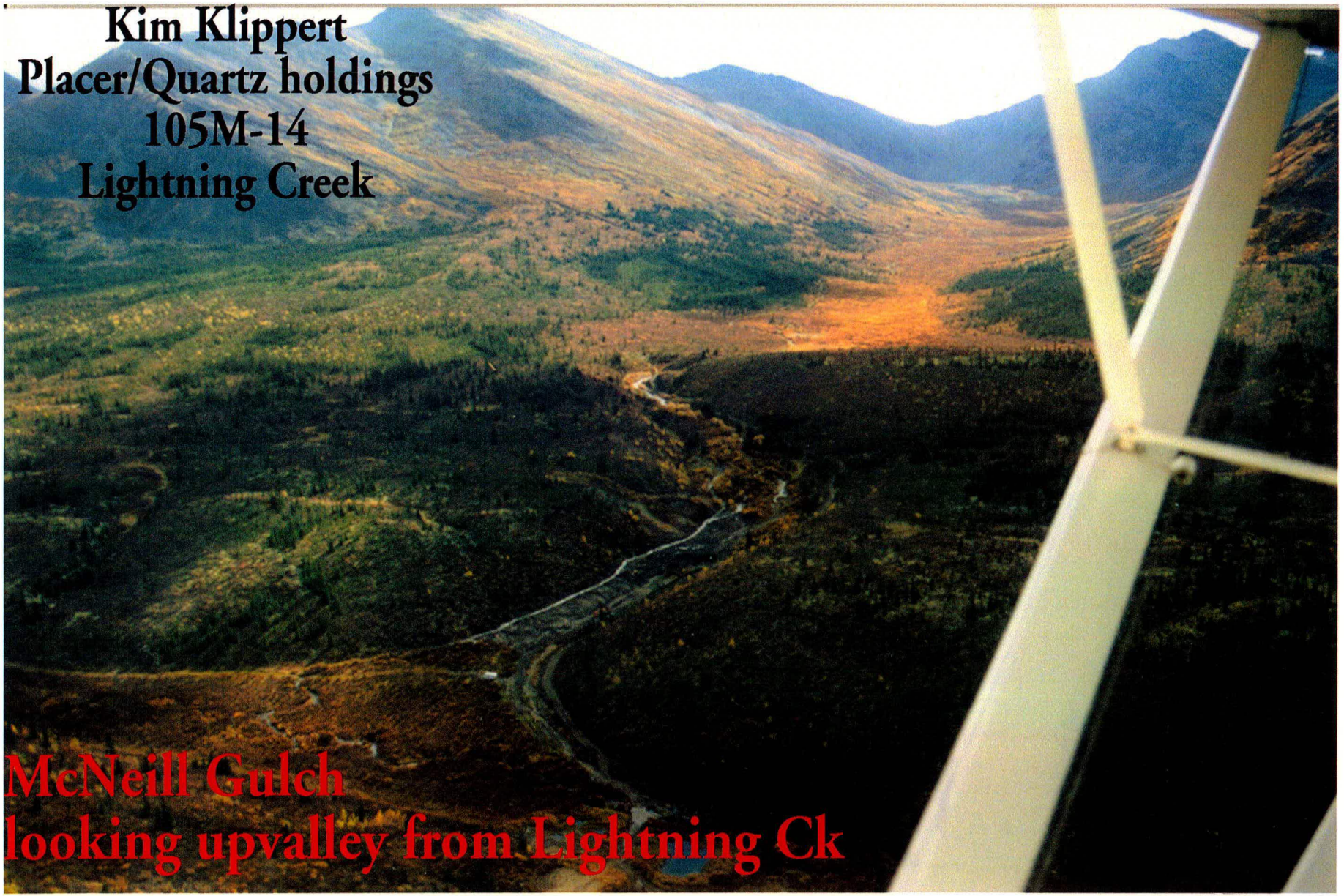
(Theor. Vol. .05681/5ft.) Meas. Vol. in yds.^{3} ÷ 1.33	Ounces of Gold x 10^{-4}	Ounces of Gold/yd^3 x 10^{-3}
Theoretical hole volumes applied		
-	-	-
-	-	-
-	-	-
-	-	-
1.608	2.831	
0.514	0.905	
-	-	-



Description of Lithology

Silty gravel. 30% silt and 70% subrounded, pebble to cobble sized gravel consisting of 45% Quartzite, 30% Greenstone, 20% Quartz, and 5% schist.

Subrounded to rounded, cobble to boulder sized gravel consisting of 55% Quartzite, 20% Greenstone-Diortie-Gabbro, 15% Quartz, and 10% schist. Gravel size increases with depth. Black sand in concentrate. Water encountered at 28 ft.


Kim Klippert
Placer/Quartz holdings
105M-14
Lightning Creek
McNeill Gulch
looking upvalley from Lightning Ck