

183-189-11295

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,295

Part 1
of 2

GEOCHEMICAL REPORT

on the

White Knight Claim (Record No. 1089) and

White Knight Reverted Crown-granted Claim (Record No. 392)

Osoyoos Mining Division

NTS 82 E/4E

Latitude: 49°00'N

Longitude: 119°33'W

Owner and Operator: Kaaba Resources Inc.
1740-609 Granville Street
P.O.Box 10346 Pacific Centre
Vancouver, B.C. V7Y 1G5

by

Paul Ruck
Geologist
Burnaby, B.C.

May, 1983

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SUMMARY

The White Knight property is located in the Osoyoos Mining Division immediately north of the Canada-U.S.A. border at latitude $49^{\circ}00'N$, longitude $119^{\circ}33'W$, about 13 km northwest of Oroville, Washington.

The White Knight Claim was staked on June 3, 1980, by Mr. J. Wishart who subsequently purchased the pre-existing Lad and Linda Claims, and the White Knight reverted Crown-granted mineral claim on June 7, 1980.

Silver mineralization was probably discovered on the property around 1901, about the time it was discovered on the adjoining Submarine Claim on the U.S. side of the border. A number of owners have held and subsequently dropped the property since the original Crown-granted mineral claim lapsed in 1947.

The property is underlain by folded and faulted Late Permian-Early Triassic Kobau Formation greenstones and quartzites which were intruded by the Similkameen composite pluton during the Jurassic or Cretaceous age.

Mineralization occurs erratically in quartz veins and consists of fine-grained chalcopyrite, galena, pyrite, and possibly argentite or tetrahedrite.

Soil geochemical results indicate almost uniformly low concentrations of molybdenum, lead, zinc and arsenic are present in the soils. The gold and silver contents are also low but more erratic, with a number of locations showing elevated gold and silver values. Gold values range between 5 and 110 ppb, and silver values from 0.1 to 11.3 ppm. More work is required to determine the cause of the elevated gold and silver concentrations.

INTRODUCTION

General

This report describes the geochemical soil sampling program undertaken on the White Knight Claim between March and April, 1983, as part of a program to explore for quartz vein-hosted silver and gold deposits.

Location and Access

The White Knight Claim is located immediately north of the Canada-U.S.A. border at latitude $49^{\circ}00'N$; longitude $119^{\circ}33'W$ (Fig.1). The claim is on Lone Pine Creek, about 13 km northwest of Oroville, Washington and 7.2 km west of Osoyoos Lake.

The property is accessible by vehicle only from the U.S. side of the border via a paved Washington State road, westward from Oroville for about 13 km to Lone Pine Creek. From there, one proceeds north along a rough dirt road for about 2.5 km to the portal of the main adit of the old Lone Pine Mine. A vehicle with high ground clearance is recommended.

Property

Kaaba Resources Inc. owns a 100% interest in the White Knight Claim which comprises 6 units. The claim, staked by Mr. John Wishart on June 3, 1980, includes the White Knight reverted Crown-granted mineral claim, Linda Fraction and Lad Claims (Fig.2). These three properties were subsequently purchased by Mr. Wishart on June 7, 1980.

Title to the mineral properties staked and purchased by Mr. Wishart were assigned to Kaaba Resources Inc. in January, 1981.

The White Knight Claim is located in the Osoyoos Mining Division and is contiguous with the Submarine Claim which covers the Lone Pine Mine on the U.S. side of the border.

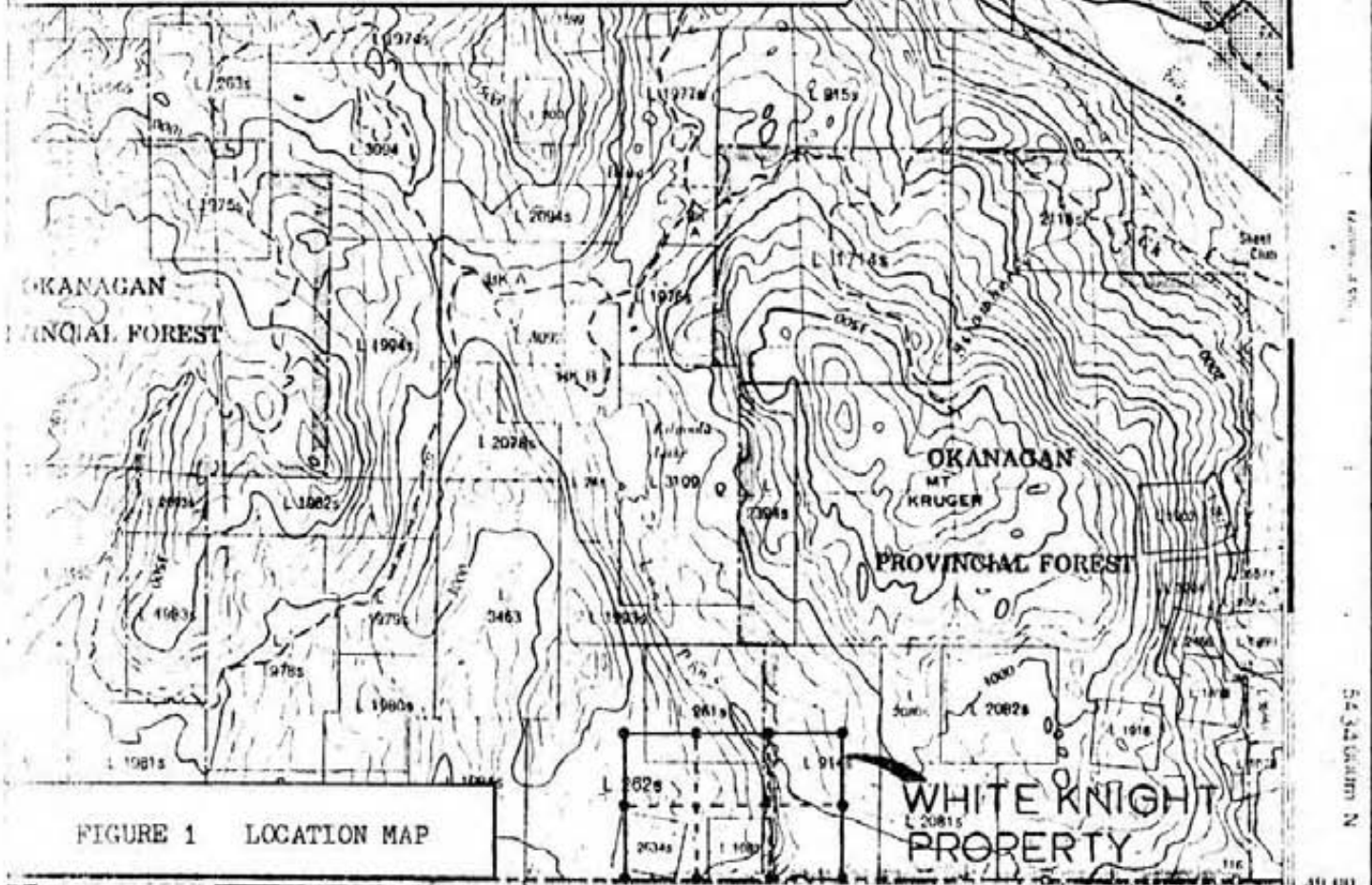
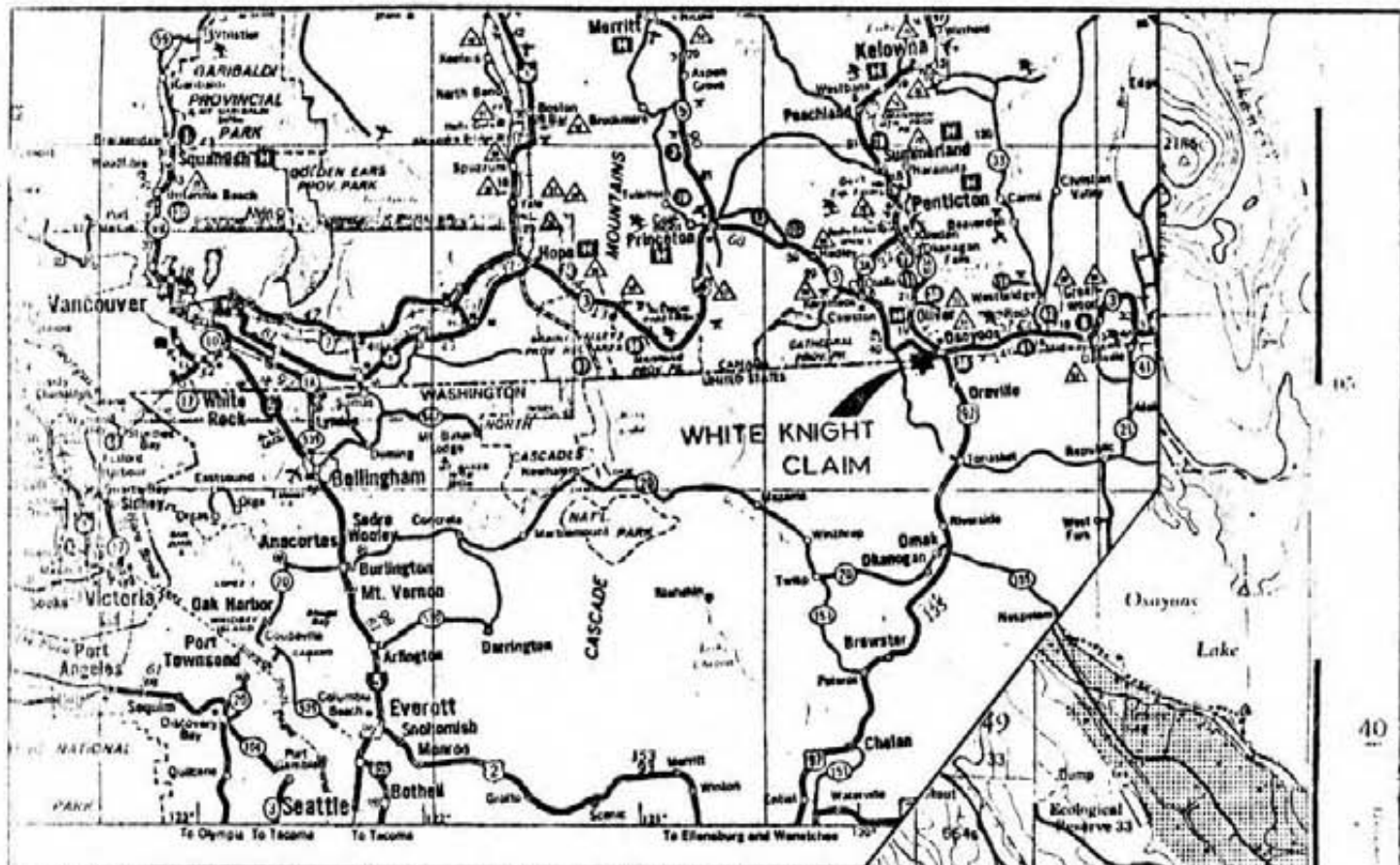


FIGURE 1 LOCATION MAP

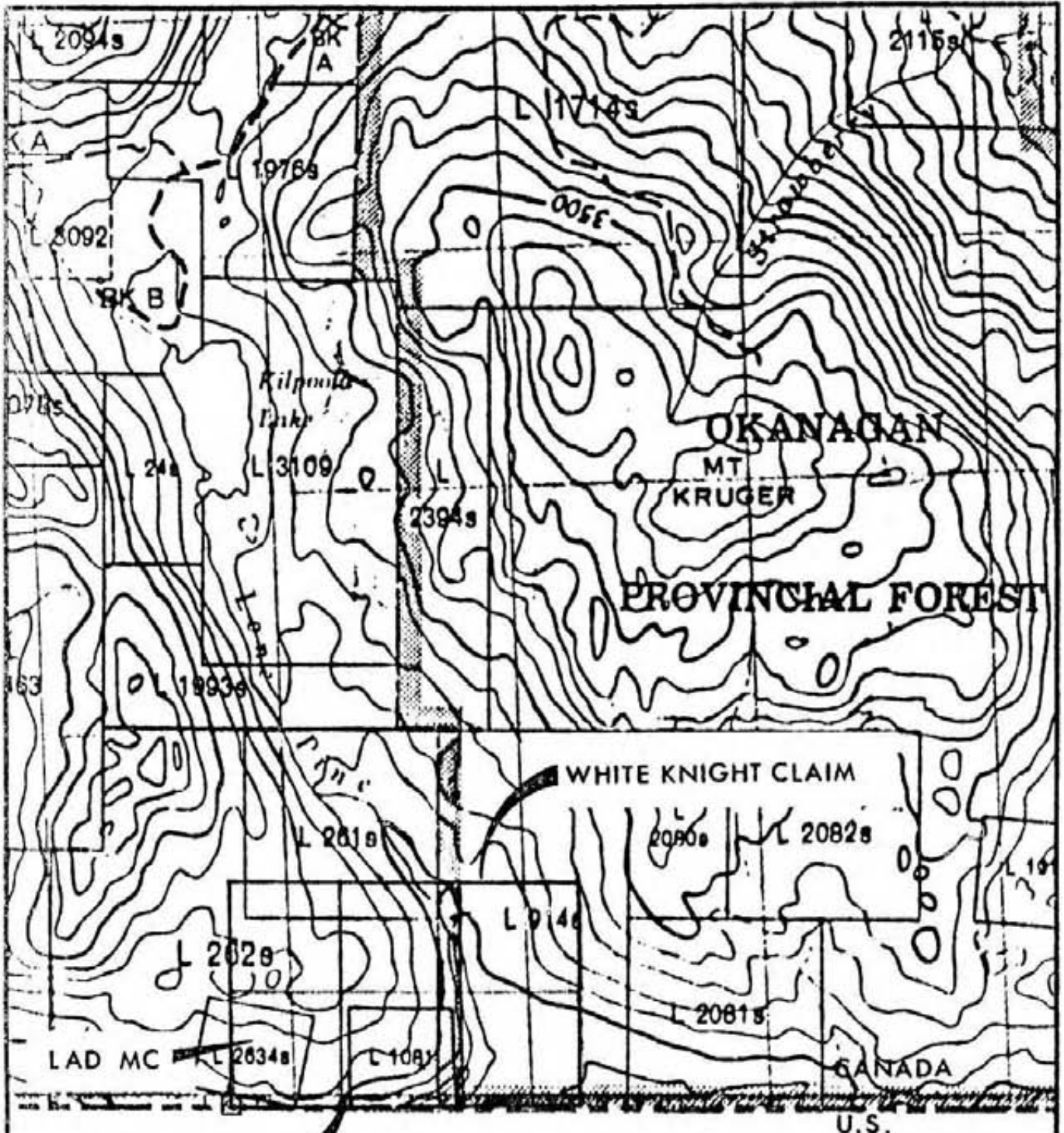
150

119°30' E
755000m. E.

40

54 54 54 54 54

40 400



LINDA FRACTION

KAABA RESOURCES INC.	
PROPERTY MAP	
White Knight Claim	FIG. 2
NTS: 82 E/4	Scale 1:25,000

History and Previous Work

The White Knight property has no record of previous production. Exploration probably first occurred in the late 1890's, prior to the claim being Crown-granted in 1901. This would coincide with activity on the U.S. side of the border which resulted in the establishment of the Submarine Claim following the discovery of silver mineralization on the slopes of Lone Pine Creek.

The property was held until 1947, when the Crown-granted claim lapsed. Since then the property has been held and subsequently dropped by several owners.

Development on the claim, to date, consists of three short adits tunnelled into quartz veins exposed on surface and an approximately 400 m long cat trench that extends from the Submarine property, along the hillside to the easternmost adit. The grades of mineralization intersected by the adits are unknown.

The Lone Pine Mine on the adjoining Submarine claim was developed starting in 1918. About 1400 feet of underground development was completed. Production records are unavailable, but it is believed that very little ore was ever shipped. The property has been inactive for several years.

Physiography, Climate and Vegetation

The property lies within the Okanogan Highlands and is characterized by mountainous but rolling and sparsely forested uplands. The Highlands, in the claim area, are underlain by differentially weathered, faulted and folded Late Paleozoic to Tertiary rocks which has resulted in a moderately dissected irregular surface between 900 and 1500 m elevation.

Glacial overburden is mainly restricted to the valleys

where it consists mainly of reworked drift that has accumulated as terrace deposits, kames and fan deposits.

Vegetation is zoned according to altitude: sagebrush, grasses and scrub timber dominate the lower elevations, giving way to moderate to thickly wooded coniferous forests above 740 m elevation.

The climate is semiarid, typical of the south central interior of B.C. Winter temperatures range between -10° and 2°C ; summer temperatures range between 5° and 38°C . Precipitation averages about 25 cm in the property area. Snowfall is generally light and of short duration in the valleys, but heavier at higher elevations.

The property is road-accessible almost all year, especially with a four-wheel drive vehicle.

GEOLOGY

The claim area is underlain principally by a series of Late Permian-Triassic sedimentary and volcanic rocks of the Kobau Formation which have been intruded by the Similkameen composite pluton of Jurassic (?) age and shallowly-dipping blanket-like quartz veins of possibly Cretaceous age.

The rocks, which outcrop on the property, consist of a complex assemblage of pyroxenite, malignite and shonkinitic gneiss which comprise the border phase of the Similkameen composite pluton.

The only mineralization observed on the property occurs erratically in the quartz veins exposed by the cat trench and the underground workings, and consists of chalcopyrite, galena, pyrite, and possibly argentite and/or tetrahedrite. The minerals are generally fine-grained and disseminated, but also occur as streaks and fracture coatings.

GEOCHEMISTRY

Purpose

A soil geochemical survey was conducted to detect anomalous metal concentrations which could be indicative of concealed mineralization similar to that hosted by the exposed quartz veins. About 90% of the claim area is covered by a thin veneer of glacial drift varying between 30 cm and 2 m in thickness.

Survey Details

A total of 78 samples were collected every 25m along grid lines generally spaced about 55 m apart. Chain and compass were used to establish the control lines for the survey. Two additional samples were collected 5 m and 20 m south of the Linda Claim LCP (Fig.3, in map pocket).

The samples, weighing between 250 to 300 g, were collected in numbered wet-strength Kraft paper bags from the "B" horizon, 15 to 20 cm below the surface. The friable, somewhat oxidized "B" horizon is poorly developed and not present everywhere, particularly where the overburden is only 15 to 30 cm thick. In such instances, material close to the weathered bedrock was sampled.

Geochemical Analyses

The soil samples collected on the property were analyzed for gold and silver, and in part, for molybdenum, lead, zinc and arsenic. The results of the geochemical survey are shown in Figures 3 and 4 (map pocket).

The samples analyzed for lead, zinc, arsenic and silver

were dried, screened to minus 80 mesh, and split into 5 g samples for aqua regia digestion. The extraction was then analyzed by inductively coupled plasma emission spectroscopy (ICP).

The samples analyzed for gold were dried and screened to minus 80 mesh. All of the minus 80 mesh fraction was pulverized to minus 200 mesh, split into 10 g samples for aqua regia digestion, MIBK extraction and analysis by atomic absorption spectrometry (AAS).

The results of the analyses are included in Appendix A.

All samples were shipped to Acme Analytical Laboratories Ltd. in Vancouver, B.C., where Mr. Dean Toye, B.Sc., Certified B.C. Assayer, supervised the analyses. The sample pulps have been retained for future use.

Results

Figures 3 and 4 (map pocket) show the results of the soil sampling program. The survey indicates that slightly to moderately anomalous values in gold and silver occur in parts of the survey area. At two sample sites (75N, 50E; 75N, 75E) anomalous silver and gold contents were associated with high molybdenum, lead, zinc, and arsenic values. This area should be re-sampled to eliminate the possibility of contamination from the nearby surface and underground workings. Elsewhere there does not appear to be any correlation between the gold and silver values or between them and any of the other elements.

Molybdenum values are not shown in Figure 4 because they are negligible (at the limits of detection).

It is not possible at this time to determine the cause of the elevated gold and silver values found within the survey area, except in the above mentioned case, which may be partly

due to contamination. More work will be required to verify the anomalous values and determine this cause.

STATEMENT OF QUALIFICATIONS

I, Paul Ruck, of the Municipality of Burnaby, in the Province of British Columbia, hereby certify the following:

I am a graduate of the University of Ottawa with a B.Sc. (honors) degree in Geology (1978).

I obtained the degree of M.Sc. Applied (Mineral Exploration) from McGill University in 1981.

I have worked as an exploration geologist while attending post-graduate school at McGill University.

I am currently self-employed as a consulting geologist.

I have been employed in my profession by various mining companies for the past two years.

I am a member of the Canadian Institute of Mining and Metallurgy and the Geological Association of Canada (Cordilleran Section).

I do not have nor do I expect to receive, directly or indirectly, any interest in the property described or the securities of Kaaba Resources Inc.

This report is based on work completed between March 26th and April 8th, 1983.



Paul Ruck

Consulting Geologist

APPENDIX A
SOIL GEOCHEMICAL ANALYSES

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO₃ TO H₂O AT 70 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
 THIS LEACH IS PARTIAL FOR: Ca,P,Mg,Al,Ti,La,Nb,K,W,Zn,Sr,Cr AND B. Au DETECTION 3 ppm.
 Au# ANALYSIS BY AA FROM 10 GRAM SAMPLE. SAMPLE TYPE - SOIL

DATE RECEIVED APR 7 1983

DATE REPORTS MAILED

Apr 13/83

ASSAYER

D. J. Toy

DEAN TOYE, CERTIFIED B.C. ASSAYER

KAABA RESOURCES

FILE # 83-0353

PAGE# 1

SAMPLE #	MO ppm	PB ppm	ZN ppm	AG ppm	AS ppm	Au# ppb
225N 0E	1	7	63	.2	3	5
225N 25E	1	12	53	.2	7	5
225N 50E	1	8	50	.1	7	5
225N 75E	1	11	52	.2	8	5
225N 100E	1	7	58	.2	12	5
225N 125E	1	9	74	.3	10	5
225N 150E	1	12	80	.3	7	5
225N 175E	1	9	58	.1	10	5
225N 200E	1	10	55	.1	8	5
225N 225E	1	7	53	.1	8	5
225N 250E	1	8	47	.2	5	10
225N 275E	1	8	49	.1	6	15
225N 300E	1	7	50	.1	9	5
150N 0E	1	11	81	.3	8	5
150N 25E	1	9	68	.3	10	10
150N 50E	1	6	57	.3	8	10
150N 75E	1	8	85	.3	7	10
150N 100E	1	8	98	.4	13	10
150N 125E	1	6	73	.2	10	10
150N 150E	1	8	65	.1	12	5
150N 175E	1	13	57	.2	8	5
150N 200E	1	10	83	.3	10	5
150N 225E	1	12	68	.1	9	5
150N 250E	1	12	65	.2	10	20
150N 275E	1	13	71	.1	12	5
150N 300E	1	9	59	.2	18	15
75N 0E	1	12	42	.2	12	10
75N 25E	1	15	66	.6	20	5
75N 50E	25	399	1806	11.3	387	95
75N 75E	20	288	586	6.8	92	85
75N 100E	1	18	98	.8	26	15
75N 125E	1	34	92	.3	14	5
75N 150E	1	16	74	.3	11	5
75N 175E	1	17	81	.3	5	5
75N 200E	1	14	89	.3	6	10
75N 225E	1	14	81	.2	14	15
75N 250E	1	22	74	.3	16	5
STD A-1	1	38	174	.3	10	5

FAABA RESOURCES FILE # 83-0353

PAGE# 2

SAMPLE #	MO ppm	PB ppm	ZN ppm	AG ppm	AS ppm	Au* ppb
75N 275E	1	13	70	.3	14	15
75N 300E	1	12	78	.1	6	10
ON 0E	1	19	120	.5	12	20
ON 25E	1	16	96	1.3	35	30
ON 50E	1	46	121	.9	23	25
ON 75E	1	17	105	.6	11	25
ON 100E	1	10	61	.3	8	40
ON 125E	1	24	97	.4	7	5
ON 150E	1	9	101	.1	8	15
ON 175E	1	8	70	.2	4	20
ON 200E	1	30	79	.3	13	10
ON 225E	1	14	73	.3	13	110
ON 250E	1	11	79	.2	10	5
ON 275E	1	12	91	.2	8	10
ON 300E	1	11	83	.2	11	15
STD A-1	1	36	174	.3	8	5

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS, VANCOUVER B.C. PH: 253-3158 TELEX: 04-53124

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 ML5 WITH WATER.
THIS LEACH IS PARTIAL FOR: Ca, P, Mg, Al, Ti, La, Na, K, W, Ba, Si, Sr, Cr AND B. Au DETECTION 3 ppm.
AUX ANALYSIS BY AA FROM 10 GRAM SAMPLE. SAMPLE TYPE - SOIL - PULVERIZING

DATE RECEIVED APR 7 1983 DATE REPORTS MAILED Apr 12/83 ASSAYER W. Toy DEAN TOYE, CERTIFIED B.C. ASSAYER

KAABA RESOURCES FILE # 88-0352

PAGE# 1

SAMPLE #	MO ppm	PB ppm	ZN ppm	AG ppm	AS ppm	Au# ppb
SMS-L POST	1	6	89	4.6	13	5
20MS-L POST	1	9	85	4.4	10	10

ASSAY CERTIFICATE

A .500 GM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR.
THE SAMPLE IS DILUTED TO 10 MLS WITH WATER. ELEMENTS ANALYSED BY AA : AG.
SAMPLE TYPE : SOIL - DRIED AT 60 DEG C., PULVERIZED.
AU* - 10 GM, IGNITED, HOT AQUA REGIA LEACH MIBK EXTRACTION, AA ANALYSIS.

ASSAYER D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

KAABA RESOURCES FILE # 83-0392A

PAGE# 2

SAMPLE	AG PPM	AU* PPB
550N 0E	.3	5
550N 25E	.1	15
550N 50E	.3	5
550N 75E	.2	5
550N 100E	.3	5
550N 125E	.4	5
550N 150E	.1	10
550N 175E	.2	5
550N 200E	.4	5
550N 225E	.3	5
550N 250E	.3	10
550N 275E	.2	5
550N 300E	.2	5
475N 0E	.3	10
475N 25E	.4	5
475N 50E	.1	5
475N 75E	.1	10
475N 100E	.1	5
475N 125E	.2	5
475N 150E	.1	5
475N 175E	.2	5
475N 200E	.3	5
475N 225E	.2	5
475N 250E	.3	5
475N 275E	.1	5
475N 300E	.1	5

APPENDIX B
STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

Field Costs (incurred March 26, 27, April 8, 1983)

Establishing grid lines

1 manday @ \$300.00/day	\$300.00
2 mandays @ \$100.00/day	200.00

Soil sampling

1 manday @ \$300.00/day	\$300.00
2 mandays @ \$100.00/day	200.00

Travel: Vancouver to project & return

1 manday @ \$300.00/day	\$300.00
2 mandays @ \$100.00/day	200.00

Vehicle rental

910 km @ \$0.20/km	\$182.00
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Accommodation

3 people x 3 days @ \$34.00/day	\$306.00
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Meals

3 people x 3 days @ \$28.00/day	<u>\$252.00</u>
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TOTAL FIELD COSTS:

\$2240.00

Office Costs

Report preparation & compilation

1.5 days @ \$190.00/day	\$285.00
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Drafting

1.5 days @ \$190.00/day	\$285.00
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Maps and reproduction costs

\$ 30.00

TOTAL OFFICE COSTS:

\$ 600.00

Statement of Expenditures - Analytical Costs (cont'd)

Analytical Costs

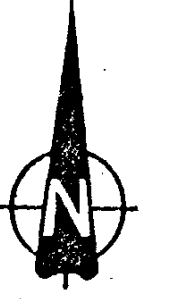
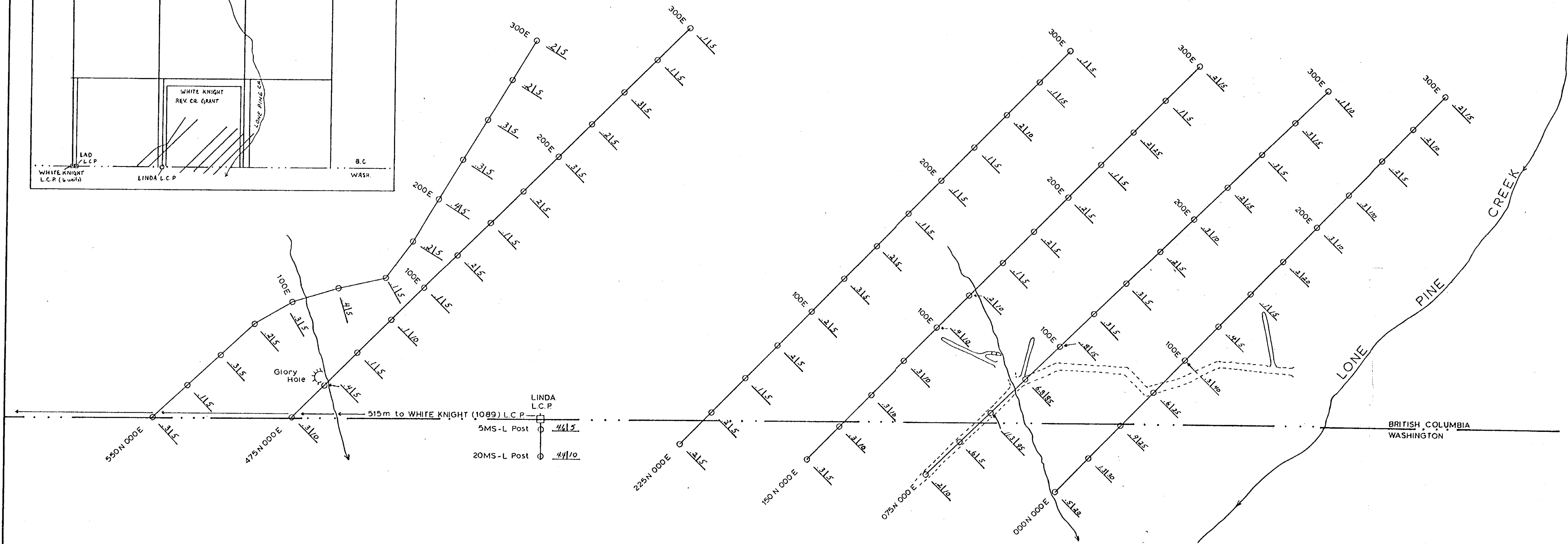
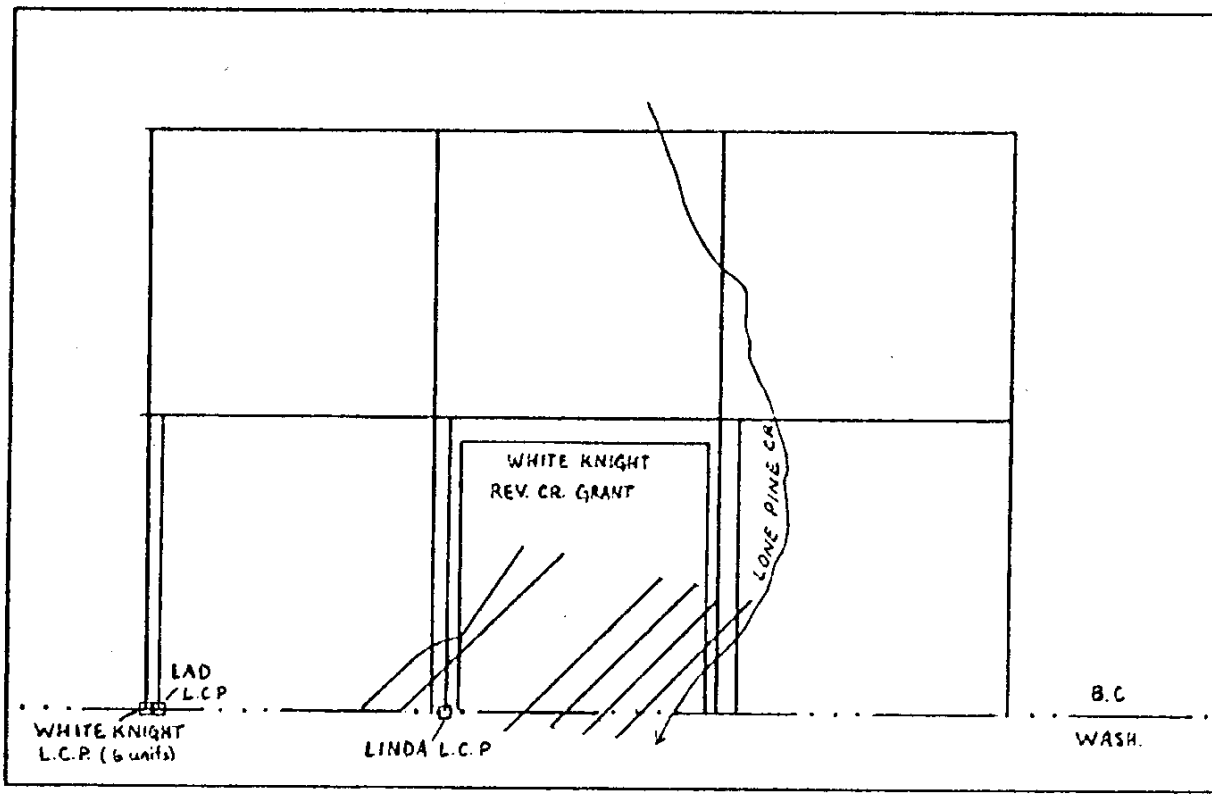
Geochemical analysis Mo, Pb, Zn, Ag, As (by ICP)	
54 samples @ \$4.00/sample	\$216.00
Geochemical analysis Ag (by AAS)	
26 samples @ \$1.85/sample	\$ 48.10
Geochemical analysis Au (by AAS)	
80 samples @ \$3.75/sample	\$300.00
Sample preparation and pulverizing	
80 samples @ \$1.25/sample	<u>\$100.00</u>
TOTAL ANALYTICAL COSTS:	\$ 664.10
	<hr/>
GRAND TOTAL:	<u>\$3504.10</u>

APPENDIX C




PERSONNEL

PERSONNEL

<u>Name</u>	<u>Rate/day</u>	<u>Position</u>
L. Sookochoff	\$300.00	Consulting Geologist
J. Wishart	\$100.00	Field Assistant
G. Allen	\$100.00	Field Assistant
P. Ruck	\$190.00	Consulting Geologist



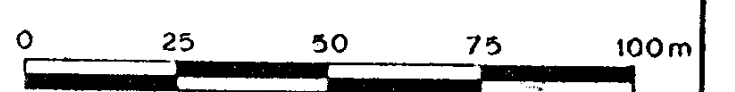
LEGEND

-  Adit
-  Cat trench
-  Sample site

441.5 Ag, ppm; Au, ppb

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,295

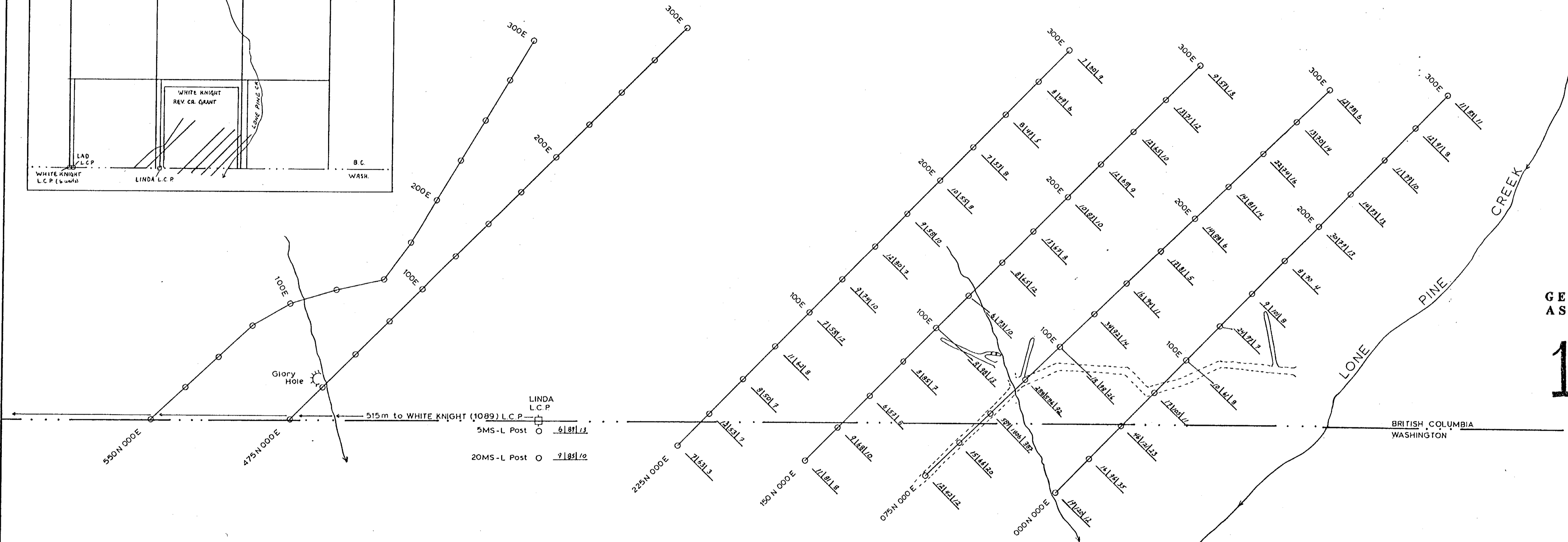
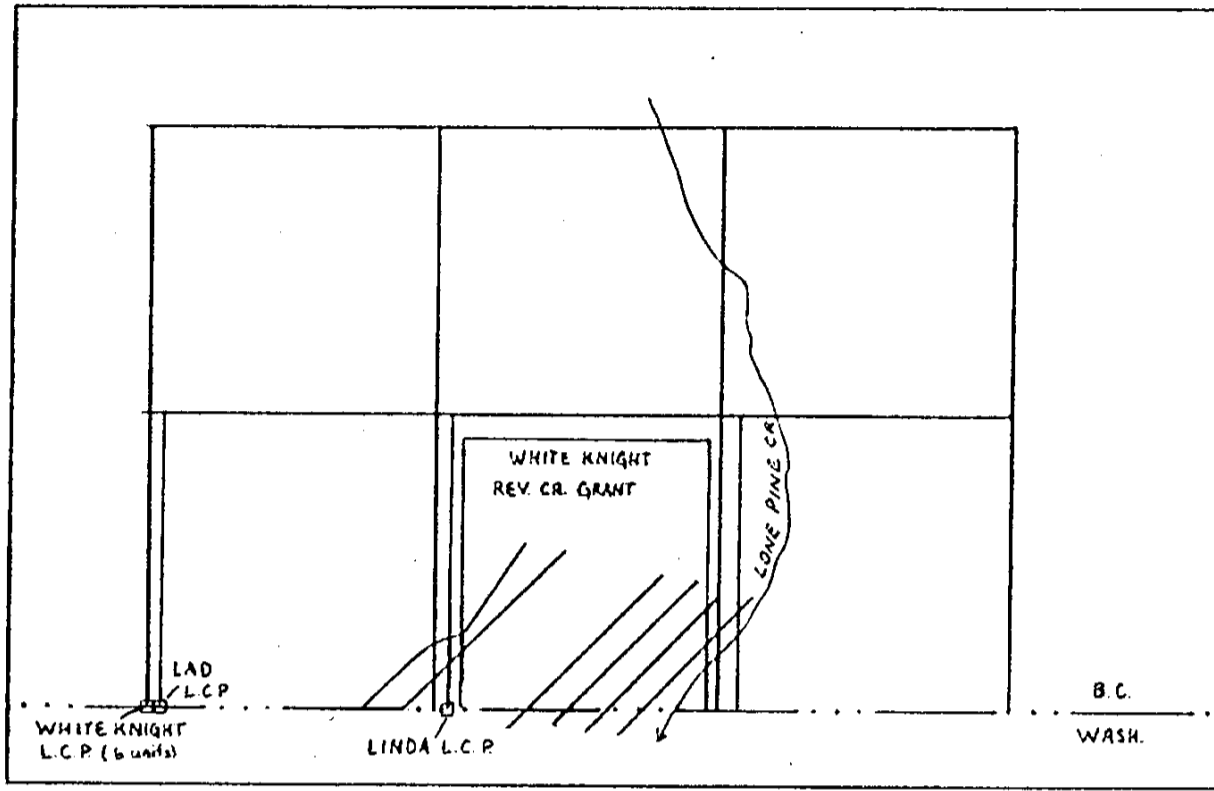


part 1 of 2


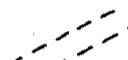
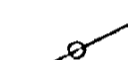
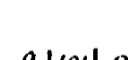
KAABA RESOURCES INC.

**SOIL GEOCHEMISTRY MAP
SILVER AND GOLD**

PROJECT: WHITE KNIGHT	FIGURE: 3
SCALE: 1:1,250	NTS: 82E/4
DWG. BY: P. RUCK	MAY, 1983

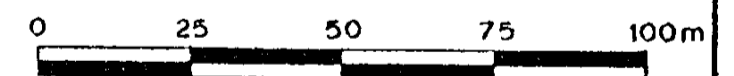


LEGEND

-  Adit
-  Cat trench
-  Sample site
-  Pb, Zn, As; ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,295



Part 1 of 2

KAABA RESOURCES INC.

SOIL GEOCHEMISTRY MAP
LEAD, ZINC AND ARSENIC

PROJECT: WHITE KNIGHT	FIGURE: 4
SCALE: 1:1250	NTS: 82E/4
DWG. BY: P. RUCK	MAY, 1983