

85-28 - 13616

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,616

FORT KNOX MINERALS LTD.
701 - 609 GRANVILLE STREET
VANCOUVER B.C.
V7Y 1G6

SUMMARY OF EXPLORATION
MB6, MB7, MB8 MINERAL CLAIMS
ATLIN MINING DIVISION
BRITISH COLUMBIA
LATITUDE 59° 33'N LONGITUDE 133° 18'W
NTS 104N/11W

RANDALL S. ROGERS M.Sc., P.Geol.
ROGERS EXPLORATION SERVICES LTD.
WHITEHORSE, YUKON TERRITORY

13 NOVEMBER 84

SUMMARY AND RECOMMENDATIONS

The MB 6, MB 7 and MB 8 mineral claims owned by Fort Knox Mineral Ltd. of Vancouver, B.C. are located in the Surprise Lake area of northwestern British Columbia at Latitude 59° 33'N by Longitude 133° 18'W on mapsheet NTS 104N/11W. The property was explored in the 1984 field season by Fort Knox Minerals Ltd. with geochemical, geophysical and geological techniques. Exploration work was contracted out to MBW Surveys Ltd. of Whitehorse, Yukon Territory and geological supervision and compilation provided by Rogers Exploration Services Ltd. of Whitehorse Yukon Territory.

There are at present no economic reserves of minerals discovered on the property. The property has an excellent probability of developing significant showings of gold mineralization comparable to that delineated to date on the nearby properties of Standard Gold Mines Ltd. Work conducted in the 1984 season was directed at defining areas on the claim group likely to host such mineralization and to provide a sound basis for further development of the property.

Four primary anomalies have been delineated in the current works program. Two of these show strongly coincident geochemical and geophysical expression and appear to lie along the same major conductor. Values of Au in soils to 35 ppb, Hg to 100 ppb and Zn to 96 ppm are seen in these two anomalies. Another anomalous area north and east of these returned an isolated value of 340 ppb Au on the extension of a conductor parallel to that which defines the first two anomalies. A fourth anomaly in the grid area showed a strongly developed conductor with inconclusive geochemical response.

These four anomalous areas should be investigated in detail in the course of further exploration on the property. They offer viable targets for gold mineralization comparable to that known in adjacent properties.

A program of exploration is proposed to include the follow up of these anomalies and the preliminary evaluation of other areas of the claim group for the 1985 field season at a budgetted cost of \$75,000.

Phase I	Literature search, review of aerial photography and LANDSAT imagery, compilation.		
	1. 15 mandays @ 300	4500	
	2. Materials	2500	
	3. Drafting	<u>500</u>	
		7500	7,500.00
Phase II	Detailed Exploration of 1984 Geochemical and Geophysical anomalies.		
	1. Grid construction 10 km. @ 500	5000	
	2. Soil geochemistry 500 samples @ 20	10000	
	3. VLF - EM survey 10 km. @ 100	1000	
	4. Geological mapping, supervision, sampling. 10 mandays @ 300	3000	
	5. Assays	<u>1000</u>	
		20000	20,000.00
Phase III	Continuing Exploration of property at preliminary level.		
	1. Grid construction 20 km. @ 500	10000	
	2. Soil geochemistry 400 samples @ 20	8000	
	3. VLF - EM survey 20 km. @ 100	2000	
	4. Geological mapping, supervision, sampling 20 mandays @ 300	6000	
	5. Assays	2000	
	6. Hand trenching anomalies 5 mandays @ 400	<u>2000</u>	
		30000	30,000.00
Phase IV	Bulldozer Trenching		
	1. 50 Hr. D-7 @ 100	5000	
	2. Supervision 10 mandays @ 300	3000	
	3. Assays	<u>2000</u>	
		10000	10,000.00

Phase V

Compilation and Reporting

1. Compilation	2000	
2. Drafting	<u>500</u>	
	2500	<u>2,500.00</u>

SUBTOTAL PHASE I - V 70,000.00

CONTINGENCY 5,000.00

TOTAL \$ 75,000.00

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INTRODUCTION

This report summarizes the geological setting, history of exploration and economic potential of the MB 6 to MB 8 mineral claims and tenders recommendations for further investigation of the property. The present study was commissioned by the directors of Fort Knox Minerals Ltd. of 701 - 609 Granville Street, Vancouver, British Columbia at the conclusion of a preliminary program of exploration conducted on the property in the summer of 1984 by field crews of MBW Surveys Ltd. Background material for the report included all field notes and maps from the preliminary program, a search of government and private archival reports relevant to the area covered by the present property and a review of the geochemical and geophysical data generated in the 1984 program. The author personally examined the property in the interests of Fort Knox Minerals Ltd. in the company of Mr. M. Barker of MBW Surveys Ltd. in the period 25 - 27 September, 1984.

The author is well versed in the geological setting and exploration history of the Atlin (Surprise Lake) area having conducted several major exploration programs in the region for various interest over the past four years. The author is currently engaged in geological consultation to several other exploration companies active in the immediate area of the MB 6 to MB 8 claims; these include Everest Resources Limited, Gator Resources Ltd., Claymore Resources Ltd., Barsand Resources Inc., and Hollycroft Resource Corporation all with claim holdings peripheral to the Fort Knox ground.

PROPERTY

Location and Access

The MB6, MB7 and MB8 mineral claims are located in the Atlin area of northwestern British Columbia at latitude 59° 33'N by longitude 133° 18'W on N.T.S. mapsheet 104N/11W. The property is situated 22 kilometers due east of the town of Atlin in the headwaters of Otter Creek (Figure 1). There is at present no road access direct to the property, although secondary gravel roads and tote trails along Otter Creek and Slate Creek provide seasonal access to within 4 kilometers of the claim group. These roads constitute a portion of a network of mining roads which connect the various placer mining operations throughout the Atlin - Surprise Lake area; these roads are generally passable to four wheel drive vehicles and light trucks for the period between spring breakup and early winter but could be easily and economically upgraded to all weather access should the need arise.

The townsite of Atlin has historically been the principal supply center for exploration activity in northwestern B.C. and is easily reached by all weather highways extending north to the Alaska Highway. The town has excellent infrastructure for exploration and development purposes, including several stores, hotels and repair facilities. Helicopter and fixed wing charter aircraft are available on a year-round basis in Atlin, or may alternately obtained from Whitehorse or Watson Lake, Yukon Territory.

The relative ease of access, proximity to infrastructure and local population base make the Atlin area particularly well suited to exploration and development endeavours.

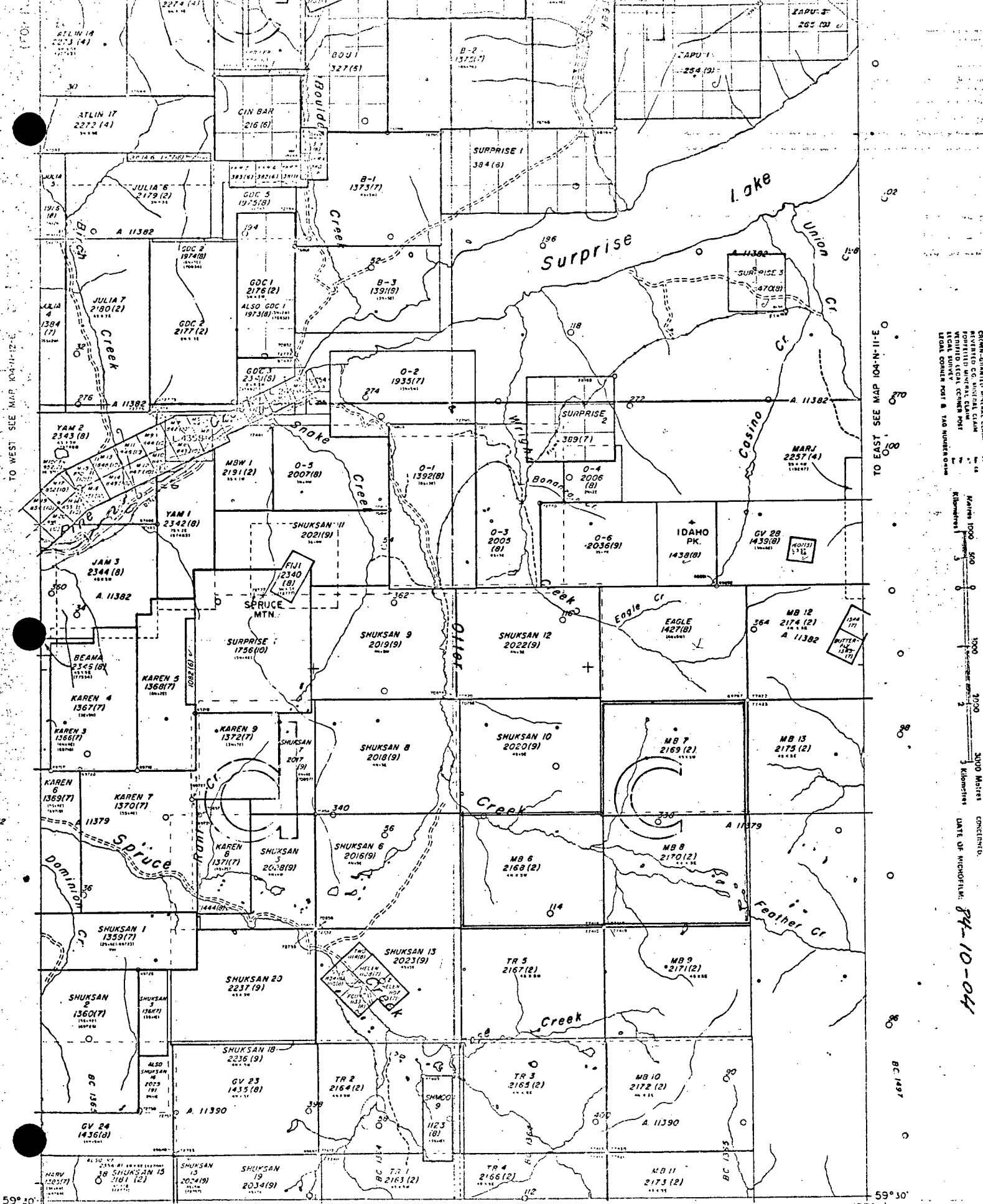
Claims

The property is located in the Atlin Mining Division of northwestern British Columbia and comprises three modified grid claims (MB6, MB7, MB8) totalling 60 units. The property encompasses an area of approximately 1500 hectares and is held in the name of Fort Knox Minerals Ltd. Claim data appears in Table I.

The location and nature of claim boundaries was briefly examined in the course of the field investigation. This examination, although not a complete traverse of the perimeter of the property, indicated to the author that the staking appears to conform to the standard required under statute. A detailed survey of the property boundaries should be undertaken in the course of future investigations as there is every likelihood that current litigations over claim boundaries in the Atlin camp will persist.

Table I. Claim Data

<u>Name</u>	<u>Unit Size</u>	<u>Record No.</u>	<u>Expiry Date</u>
MB 6	20	2168	08 Feb 85
MB 7	20	2169	08 Feb 85
MB 8	20	2170	08 Feb 85



TO WEST SEE MAP 104-N-12-E

TO EAST SEE MAP 104-N-11-E

59° 20'

133° 15'

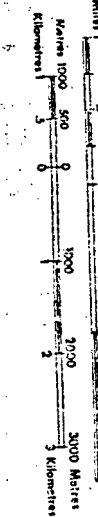
TO SOUTH SEE MAP 104-N-11-W

MINERAL TITLES REFERENCE MAP 104N/11W
 DEPARTMENT OF MINES AND PETROLEUM RESOURCES VICTORIA, B.C.

133° 20' ALUM MINING DIVISION
 Mining Division Boundary
 Mineral Reservation
 Mineral and File # Reserve

Crown Granted
 Reserved CC Mineral Claim
 For Sale (Mineral Claim)

LEGEND
 Crown-Granted Mineral Claim
 Reserved CC Mineral Claim
 For Sale (Mineral Claim)
 Mineral and File # Reserve
 Local Control Post # (See Number on Map)



DATE OF REVISION: 84-10-04

Physiography and Climate

The property is located in the Western System of the Canadian Cordillera as described by Bostock (1948) in the Teslin Plateau area of the larger Yukon Plateau comprising wide flat bottomed valleys bounded by low, rounded mountains. Ridges are broad and slopes typically gentle or undulatory. In the Surprise Lake district proximal to the present claim group, relief is moderate and rarely exceeds 750 meters. The lowest elevation in the immediate area is at the town of Atlin on Atlin Lake with an elevation of 670 meters.

Glacial drift and outwash choke most of the stream valleys in the area, and consequently bedrock exposure is generally confined to stream cuts and blocky felsenmeer on ridge tops. Local alpine style glaciation has had some effect on topography in the higher mountains, with small cirques developed on several north facing slopes above 1200 meters in elevation.

The climate of the Atlin area is substantially modified by the proximity of the Pacific Coast, and temperatures are typically much milder than comparable latitudes further inland. Summers are short and warm with temperatures ranging up to 35 degrees Celsius in minimal precipitation. Winter temperatures are considerably higher than neighbouring portions of the Yukon with minimums seldom dropping below -25 degrees Celsius in light snowfall. The effective exploration season extends from early May to late October and is typically truncated by poor road conditions and lack of water for exploration purposes.

The property is largely located above timberline, and is covered by extensive thickets of willow and alder "buckbrush" in small stream valleys and by relatively light alpine growth on intervening ridges. Timber for development purposes could be easily obtained from the major valley of Otter Creek.

HISTORY OF EXPLORATION

The Atlin area has traditionally been the focus of extensive placer gold exploration since the initial discovery of gold on Pine Creek in July of 1897 by a cattle drover enroute to Dawson. News of the find and subsequent discoveries precipitated a minor rush into the area late in 1898 and most of the streams were staked by the winter of that year. The major mining activity was centered on Pine Creek in the early years of the camp, but other streams including Spruce, Rose, Birch, Ruby, Otter and Wright creeks produced significant values. Spruce creek alone has yielded over 450,000 ounces of gold since 1898 and stands as the most productive stream in the district. Placer exploration and production continue to the present time, with the focus of current work still being on the Spruce Creek and Otter Creek areas. A network of roads extends from Atlin into the placer camp and offers fairly easy access for further development of the area.

In the course of early placer exploration in the Atlin area, significant gold and sulphide lode showings were found. The principal prospects among these were the Lakeview and Imperial, developed extensively in the latter years of World War II. These were quartz vein occurrences with gold, tungsten and minor sulphides developed in a weakly carbonatized andesite in the limbs of a major regional syncline. The properties were actively explored until the end of 1952, and then lapsed into a period of sporadic and inconclusive investigation and promotion. Yukon Revenue Mines Ltd. optioned the Lakeview property in 1981 and initiated a program of exploration that sparked a major staking rush into the Atlin - Surprise Lake area in 1982. In 1983,

Standard Gold Mines Ltd. reported the discovery of a high-grade auriferous stockwork in the eastern headwaters of Dominion Creek, some 10 kilometers west of the Fort Knox property, and a period of intensive staking ensued.

In February of 1984, Fort Knox Minerals Ltd. purchased the MB6, MB7 and MB8 mineral claims and initiated a program of exploration on the property. The exploration work for the 1984 season included grid construction, soil geochemical surveys, VLF - EM geophysical surveys and preliminary mapping and prospecting; MBW Surveys Ltd. of Whitehorse, Yukon contracted to conduct the field program, and geological supervision and compilation was performed by Rogers Exploration Services Ltd.

A concise history of development in the Surprise Lake area is contained in Archer, Cathro and Associates' Northern Cordillera Mineral Inventory.

REGIONAL GEOLOGY

Regional geological mapping of the Atlin (NTS 104N) Map Sheet was conducted by the Geological Survey of Canada between 1951 and 1959 under the supervision of J.D. Aitken and again in 1975 by Dr. J.W.H. Monger. Aitken's 1:250,000 scale mapping is published by the G.S.C. as Map 1082A (1959) and forms a generally reliable guide to the Surprise Lake District at that scale. Monger's investigations formed part of a broader correlation of Cordilleran geology and help put the Atlin area into the tectonic context of adjacent districts.

The Atlin area comprises three distinct northwesterly striking belts: the St. Elias and Insular Belt, the Coast and Cascades Belt and the Intermontane Belt. Within the Intermontane Belt, the Surprise Lake area includes rocks of the Atlin Terrane: radiolarian chert, pelites, carbonates, volcanics and ultramafics of the Pennsylvanian - Permian Cache Creek Group, intruded by Jurassic - Cretaceous granite, diorite, alaskite and quartz monzonite. Peridotite, serpentinite and other ultramafic intrusives of the Pennsylvanian - Permian Atlin Intrusions occur in an arcuate band extending from Atlin to the north side of Surprise Lake, and undoubtedly underlie portions of the Otter Creek area. Cretaceous and Tertiary andesite, dacite, rhyolite and volcanoclastics of the Sloko Group occur southwest of the property. Quaternary till forms extensive drift cover in most stream valleys.

Structurally, the Atlin Terrane displays northwest striking linearity in regional scale faulting; these are often strike slip faults with inferred dextral displacement. Folding is evident, particularly in the Cache Creek Group near Surprise Lake with southwesterly plunging syncline-anticline sets evident in the headwaters of Spruce Creek.

LOCAL GEOLOGY

Preliminary property level mapping was conducted in the summer of 1984 by Mr. G.S. Davidson in conjunction with the other investigations of the property. The preliminary geology of the claim group is depicted in Figure 2 which clearly shows the relative paucity of outcrop in the area. The property appears to be exclusively underlain by Pennsylvanian to Permian Cache Creek Group chert, argillite, chert-pebble conglomerate and chert breccia with locally derived quartzite and schistose rocks evident. Andesitic rocks and minor limestone appear in the northeast corner of the claims and appear to define the southern limb of a southwesterly plunging anticlinal structure. Minor serpentinite float was discovered in the south central portion of the property but was not traced to a bedrock source. Extensive glacial drift covers most of the claim group and will likely pose a barrier to detailed mapping and geochemical investigations.

The outcrop on the claim group is confined to two primary areas: a minor peak at the southern boundary of MB6 and MB8 and the western flank of a peak at the north-eastern portion of MB7.

It is recommended that a photogeological study be conducted on this property to better delineate the bedrock geology. This could initially comprise examination of existing government photography for the general area of the claims, and acquiring suitable blowups of aerial photography in the central portion of the property. Preparation of a contoured orthophotograph would be invaluable in future exploration work; a scale of 1:5,000 with a 5 meter contour interval is indicated.

ECONOMIC GEOLOGY

There are at present no known mineral showings on the MB6, MB7 and MB8 property. The claim group does however present an attractive geological target for development of auriferous quartz veins as presently reported on Standard Gold Mines Ltd. property to the west. Recent developments on Standard Gold's ground suggest that the gold mineralization is confined to the contact between the ultramafics and the Cache Creek Group cherts; the probability of this contact extending onto the Fort Knox property is high. The geochemical and geophysical surveys performed in 1984 have delineated some promising anomalies that warrant detailed examination.

The geologically favorable setting of the Fort Knox property combined with the proven placer gold production of the immediate area make this ground a singularly viable exploration target. The complications of extensive glacial drift and attendant paucity of outcrop may be overcome by careful selection of geochemical and geophysical techniques in further exploration.

Previous experience in this camp indicates that the best techniques for delineating the gold bearing structures are:

1. Soil geochemical surveys:
 - a. grid sampling with specific attention to As, Au, Hg and Ba analyses;
 - b. bulk soil panning on selected targets for Au determination;
2. Geophysical surveys:
 - a. VLF - EM to define primary conductors;
 - b. Crone C.E.M. shootback for follow up;
3. Geological mapping of outcrop, supplemented with float mapping and ripper trench mapping as required;

EXPLORATION PROGRAM

The 1984 exploration program was contracted to MBW Surveys Ltd. of Whitehorse, Yukon under the direction of Mr. M. Barker. The program included grid construction (Figure 2), soil geochemical sampling, VLF-EM geophysical surveys and preliminary geological mapping. Work was conducted by a four man crew from 05 Sept 84 to 25 Sept 84 in areas selected to be the most geologically favorable for gold mineralization.

Soil Geochemical Surveys

Soil samples were collected on a grid with the legal corner post at the southern junction of MB6 and MB8 as point BL 0 + 00 N by Line 0 + 00 W. Samples were taken on lines spaced 100 meters apart with a sample interval of 50 meters. In total, 377 samples were collected. Samples were taken with a mattock to sufficient depth to test the "B" Horizon soils and placed in standard 3½ " X 7 " kraft sample bags labelled with grid coordinates. Acme Analytical Laboratories Ltd. of 852 E. Hastings St., Vancouver analysed all samples for Cu, Pb, Zn, Ag, As, Au and H. The analytical technique employed is as follows: for Cu, Pb, Zn, Ag and As a .500 gram sample is digested with 3 ml. 3-1-3 HCl-HNO3-H2O at 95 degrees Celsius for one hour and diluted to 10 ml. with water for ICP analyses. Au analyses was by fire assay / atomic absorption from a 10 gram sample and Hg by flameless atomic absorption.

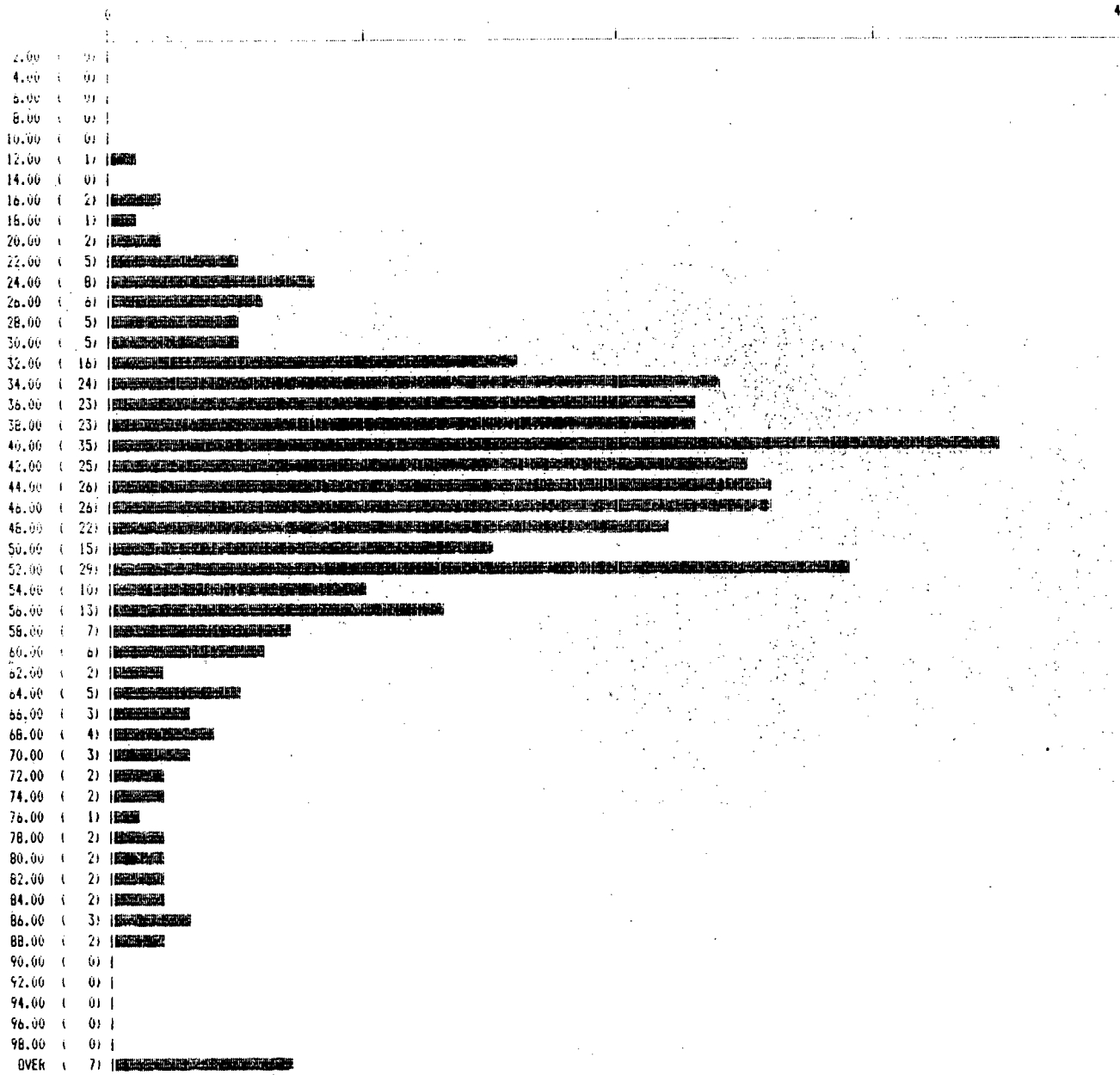
Results of the soil geochemical survey are depicted in Figure 3 (As, Au, Hg) and Figure 4 (Cu, Pb, Zn, Ag). Statistical data for the soil analyses is seen in Table I.

Results of the survey are discussed in the conclusion to this report.

Table II. Statistical Summary : Geochemistry

ELEMENT	Cu	Pb	Zn	Ag	As	Au	Hg
N:	377	377	377	377	377	377	377
Maximum	251	19	104	0.6	17	340	100
Minimum	12	1	10	0.1	2	1	5
Median	43	7	65	0.1	5	10	20
Mean	45.95	7.1	65.68	0.13	7.07	15.44	22.96
S.D.	18.61	2.4	11.76	0.06	18.11	20.87	13.44

Threshold 83.17 11.9 89.20 0.25 43.29 47.18 49.84
(mean + 2 S.D.)



(11a)

SAMPLE SIZE : 377 MAX : 251 MIN : 12 MEDIAN : 43
 MEAN : 45.95 S.D. : 18.61

2.00	(0)	
4.00	(0)	
6.00	(0)	
8.00	(0)	
10.00	(1)	
12.00	(0)	
14.00	(0)	
16.00	(0)	
18.00	(0)	
20.00	(0)	
22.00	(0)	
24.00	(0)	
26.00	(0)	
28.00	(0)	
30.00	(0)	
32.00	(0)	
34.00	(1)	
36.00	(3)	
38.00	(1)	
40.00	(1)	
42.00	(5)	
44.00	(5)	
46.00	(6)	
48.00	(3)	
50.00	(6)	
52.00	(10)	
54.00	(7)	
56.00	(17)	
58.00	(23)	
60.00	(27)	
62.00	(28)	
64.00	(36)	
66.00	(25)	
68.00	(23)	
70.00	(28)	
72.00	(27)	
74.00	(17)	
76.00	(16)	
78.00	(12)	
80.00	(8)	
82.00	(11)	
84.00	(9)	
86.00	(5)	
88.00	(5)	
90.00	(5)	
92.00	(1)	
94.00	(0)	
96.00	(3)	
98.00	(1)	
OVER	(1)	

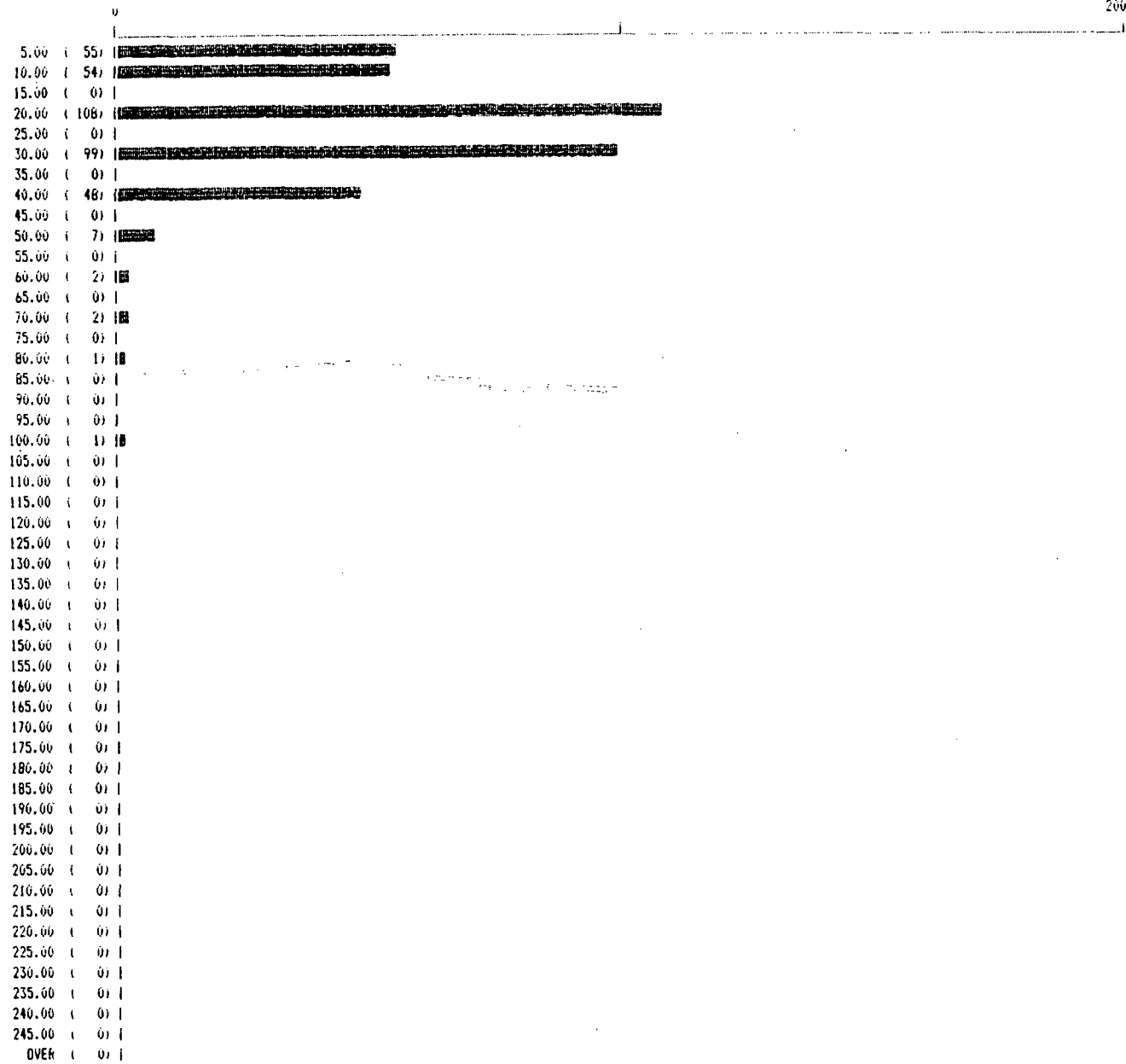
(11c)

SAMPLE SIZE : 377 MAX : 104 MIN : 10 MEDIAN : 65
 MEAN : 65.68 S.D. : 11.76

0	
.10	(276)
.20	(86)
.30	(11)
.40	(3)
.50	(0)
.60	(1)
.70	(0)
.80	(0)
.90	(0)
1.00	(0)
1.10	(0)
1.20	(0)
1.30	(0)
1.40	(0)
1.50	(0)
1.60	(0)
1.70	(0)
1.80	(0)
1.90	(0)
2.00	(0)
2.10	(0)
2.20	(0)
2.30	(0)
2.40	(0)
2.50	(0)
2.60	(0)
2.70	(0)
2.80	(0)
2.90	(0)
3.00	(0)
3.10	(0)
3.20	(0)
3.30	(0)
3.40	(0)
3.50	(0)
3.60	(0)
3.70	(0)
3.80	(0)
3.90	(0)
4.00	(0)
4.10	(0)
4.20	(0)
4.30	(0)
4.40	(0)
4.50	(0)
4.60	(0)
4.70	(0)
4.80	(0)
4.90	(0)
OVER	(0)

(PLL)

SAMPLE SIZE : 377 MAX : .6 MIN : .1 MEDIAN : .1
MEAN : .13 S.D. : .06



(11e)

SAMPLE SIZE : 377 MAX : 100 MIN : 5 MEDIAN : 20
 MEAN : 22.96 S.D. : 13.44

ACME ANALYTICAL LABORATORIES LTD.
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: SEPT 25 1984

DATE REPORT MAILED: *Oct 1/84*

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH JML 3-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Soils AU** ANALYSIS BY FA+AA FROM 10 GRAM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

ASSAYER: *D. Toy* DEAN TOYE. CERTIFIED B.C. ASSAYER

FORT KNOX MINERALS FILE # 84-2755

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU** PPB	HG PPB
10W 10+00N	55	9	95	.2	9	3	5
10W 9+75N	44	7	71	.2	7	1	5
10W 9+50N	35	12	53	.6	4	1	40
10W 9+25N	34	6	69	.2	7	1	5
10W 9+00N	47	9	75	.3	10	2	5
10W 8+75N	43	10	85	.1	7	1	5
10W 8+50N	42	6	66	.2	6	3	5
10W 8+25N	44	7	64	.1	6	6	5
10W 8+00N	45	9	63	.1	8	4	20
10W 7+75N	32	8	69	.1	9	1	5
10W 7+50N	52	7	71	.2	6	2	5
10W 7+25N	66	9	77	.3	6	2	5
10W 7+00N	47	5	61	.3	4	3	30
10W 6+75N	38	5	57	.3	8	2	20
10W 6+50N	35	5	54	.2	8	1	30
10W 6+25N	54	3	71	.2	6	1	30
10W 6+00N	33	8	51	.2	6	5	20
10W 5+75N	46	6	75	.2	8	1	5
10W 5+50N	43	7	84	.2	10	1	30
10W 5+25N	53	6	90	.2	6	1	20
10W 5+00N	38	6	73	.2	5	3	30
10W 4+75N	52	10	84	.2	10	11	20
10W 4+50N	31	8	75	.1	5	2	20
10W 4+25N	39	6	64	.1	5	2	20
10W 4+00N	51	6	70	.1	5	2	10
10W 3+75N	47	6	72	.1	6	78	30
10W 3+50N	41	8	90	.2	6	1	10
10W 3+25N	51	6	75	.1	4	2	30
10W 3+00N	40	7	62	.1	8	2	40
10W 2+75N	38	7	69	.1	8	2	30
10W 2+50N	60	9	82	.2	9	1	30
10W 2+25N	52	7	81	.2	5	3	40
10W 2+00N	56	8	76	.1	10	2	30
10W 1+75N	55	8	77	.2	4	1	10
10W 1+50N	35	4	49	.1	4	2	20
10W 1+25N	37	4	60	.1	6	6	10
10W 1+00N	50	4	79	.2	6	2	5
STD C/FA-AU	58	38	124	6.3	39	50	1400

FORT KNOX MINERALS

FILE # 84-2755

PAGE 2

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU** PPB	HG PPB
10W 0+75N	51	7	72	.2	4	4	5
10W 0+50N	40	6	71	.1	3	5	10
10W 0+25N	58	6	79	.1	5	2	30
9W 10+00N	43	5	78	.2	8	1	20
9W 9+50N	32	4	51	.1	6	1	5
9W 9+00N	29	7	58	.3	6	12	20
9W 8+50N	25	6	50	.1	5	1	10
9W 8+00N	25	2	50	.2	2	1	20
9W 7+50N	24	4	51	.2	7	1	30
9W 7+00N	38	8	60	.1	3	3	5
9W 6+50N	43	7	68	.1	4	1	5
9W 6+00N	29	3	46	.1	5	1	20
9W 5+50N	44	4	66	.2	6	2	10
9W 5+00N	34	3	66	.2	6	2	20
9W 4+50N	51	4	67	.1	6	4	10
9W 4+00N	46	7	72	.3	7	1	20
9W 3+50N	35	5	53	.2	5	5	30
9W 3+00N	46	4	79	.1	6	2	40
9W 2+50N	33	2	46	.1	7	4	30
9W 2+00N	52	4	76	.1	9	1	30
9W 1+50N	52	7	87	.1	4	1	20
9W 1+00N	39	7	73	.1	7	3	30
9W 0+50N	47	3	63	.2	4	4	20
8W 10+00N	39	3	57	.2	4	6	30
8W 9+50N	24	1	46	.3	8	4	20
8W 9+00N	25	5	52	.1	6	2	10
8W 8+50N	36	4	63	.2	6	1	20
8W 8+00N	42	5	59	.2	7	1	20
8W 7+50N	39	3	63	.2	7	2	10
8W 7+00N	36	4	56	.1	6	1	30
8W 6+50N	46	5	70	.1	7	2	20
8W 6+00N	46	2	63	.1	3	1	20
8W 5+50N	39	2	65	.1	6	10	30
8W 5+00N	41	3	64	.1	7	1	40
8W 4+50N	34	2	60	.1	7	1	20
8W 4+00N	33	1	56	.2	2	3	30
8W 3+50N	51	6	70	.1	8	4	20
STD C/FA-AU	58	38	124	6.2	41	52	1400

FORT KNOX MINERALS

FILE # 84-2755

PAGE 3

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU** PPB	HG PPB
8W 3+00N	47	13	72	.2	7	2	30
8W 2+50N	35	8	71	.1	5	1	20
8W 2+00N	43	8	63	.1	6	3	40
8W 1+50N	35	10	61	.2	9	7	30
8W 1+00N	35	9	58	.2	6	4	50
8W 0+50N	33	8	56	.3	7	2	60
8W 0+25N	40	6	60	.1	7	6	40
7W 0+50S	68	8	82	.2	7	4	20
7W 1+00S	56	7	60	.2	6	1	5
7W 1+50S	41	7	69	.1	8	1	30
7W 2+00S	45	6	65	.1	7	3	10
7W 2+50S	56	10	80	.1	8	6	30
7W 3+00S	51	8	72	.1	11	4	20
7W 3+50S	39	8	63	.2	6	3	50
7W 4+00S	35	5	57	.1	8	1	40
7W 4+50S	37	5	61	.1	8	4	30
7W 5+00S	39	5	58	.1	7	3	40
7W 5+50S	26	4	70	.1	3	1	10
7W 6+00S	21	6	36	.1	7	4	5
7W 6+50S	40	7	60	.2	10	3	30
7W 7+00S	47	8	79	.1	6	1	10
7W 7+50S	36	5	55	.2	5	1	20
7W 8+00S	42	7	56	.1	6	1	5
7W 8+50S	45	3	78	.2	5	2	5
7W 9+00S	48	10	78	.1	9	8	20
7W 9+50S	28	7	59	.2	7	10	10
7W 10+00S	34	6	57	.2	9	1	40
6W 0+50S	46	10	73	.1	5	4	30
6W 1+00S	65	10	81	.4	8	1	20
6W 1+50S	50	7	75	.1	8	1	100
6W 2+00S	57	10	90	.2	7	1	10
6W 2+50S	52	11	73	.1	9	35	10
6W 3+00S	52	9	73	.1	13	2	5
6W 3+50S	47	7	59	.1	7	1	20
6W 4+00S	52	8	68	.1	10	3	30
6W 4+50S	40	6	52	.1	6	12	10
6W 5+00S	46	8	69	.1	12	5	30
-STD C/FA-AU-	58	39	123	6.6	39	49	1500

FORT KNOX MINERALS

FILE # 84-2755

PAGE 4

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU** PPB	HG PPB
6W 5+50S	40	8	63	.1	8	3	10
6W 6+00S	39	6	59	.1	6	2	20
6W 6+50S	41	4	57	.1	4	14	30
6W 7+00S	51	9	69	.1	4	3	20
6W 7+50S	42	8	65	.1	7	2	20
6W 8+00S	42	7	62	.1	5	4	30
6W 8+50S	38	8	62	.1	6	3	20
6W 9+00S	35	6	59	.1	2	2	5
6W 9+50S	21	5	52	.1	2	7	30
6W 10+00S	21	4	48	.1	6	4	40
5W 10+00N	47	8	62	.1	9	3	10
5W 9+50N	41	8	62	.1	8	6	20
5W 9+00N	43	8	67	.1	7	9	10
5W 8+50N	38	6	56	.1	3	4	30
5W 8+00N	39	6	64	.1	4	2	40
5W 7+50N	40	8	71	.1	4	3	40
5W 7+00N	32	7	61	.1	3	2	30
5W 6+50N	27	5	59	.1	5	4	20
5W 6+00N	36	6	60	.1	6	2	20
5W 5+50N	42	7	79	.1	9	3	40
5W 5+00N	38	5	62	.1	6	5	20
5W 4+50N	39	8	62	.1	4	2	30
5W 4+00N	44	10	68	.1	2	1	10
5W 3+50N	45	9	58	.1	3	6	30
5W 3+00N	50	6	64	.1	5	5	40
5W 2+50N	38	9	62	.1	6	2	20
5W 2+00N	46	7	61	.1	6	4	30
5W 1+50N	56	6	74	.1	6	3	20
5W 1+00N	56	8	70	.1	4	2	30
5W 0+50N	38	9	70	.1	7	2	30
4W 10+00N	18	6	39	.2	4	1	20
4W 9+50N	31	6	49	.1	4	2	30
4W 9+00N	36	8	63	.1	10	3	40
4W 8+50N	41	6	67	.1	4	4	20
4W 8+00N	31	4	58	.1	5	3	10
4W 7+50N	37	6	57	.1	9	2	30
4W 7+00N	37	9	65	.1	4	5	20
STD C/FA-AU	58	38	123	6.2	38	50	1300

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PAGE 5

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU** PPB	HG PPB
4W 6+50N	38	4	66	.2	3	2	30
4W 6+00N	40	8	69	.1	5	4	30
4W 5+50N	44	7	74	.2	7	1	20
4W 5+00N	52	5	70	.1	5	8	10
4W 4+50N	56	8	80	.1	8	3	40
4W 4+00N	44	9	65	.1	7	3	30
4W 3+50N	59	11	81	.1	6	3	5
4W 3+00N	46	11	74	.1	4	2	5
4W 2+50N	48	10	75	.1	7	3	20
4W 2+00N	44	9	69	.1	7	3	5
4W 1+50N	50	9	60	.2	7	2	30
4W 1+00N	78	8	85	.1	7	4	5
4W 0+50N	88	7	87	.1	7	5	20
3W 10+00N	52	6	83	.2	11	6	30
3W 9+50N	29	4	61	.1	7	28	20
3W 9+00N	41	6	71	.1	7	62	40
3W 8+50N	47	7	64	.1	7	1	20
3W 8+00N	49	9	70	.1	7	5	5
3W 7+50N	46	6	87	.1	8	4	40
3W 7+00N	40	6	70	.2	9	5	20
3W 6+50N	42	6	59	.1	9	8	20
3W 6+00N	34	8	71	.1	8	3	30
3W 5+50N	46	8	67	.1	10	5	20
3W 5+00N	44	6	66	.1	8	5	40
3W 4+50N	48	8	67	.1	8	4	10
3W 4+00N	25	6	44	.1	5	4	5
3W 3+50N	43	6	71	.1	8	2	20
3W 3+00N	37	7	74	.1	4	2	10
3W 2+50N	57	8	76	.1	9	12	20
3W 2+00N	69	5	65	.1	3	6	5
3W 1+50N	48	8	66	.1	7	4	10
3W 1+00N	57	10	77	.1	8	7	20
3W 0+50N	56	12	83	.2	10	3	20
2W 10+00N	21	8	41	.1	5	3	30
2W 9+50N	23	11	43	.1	5	4	30
2W 9+00N	50	6	62	.1	10	3	10
2W 8+50N	40	9	63	.1	8	4	20
STD C/FA-AU	57	39	123	6.0	40	50	1400

FORT KNOX MINERALS

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PAGE 6

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU** PPB	HG PPB
2W 8+00N	45	7	66	.2	9	8	20
2W 7+50N	48	10	73	.1	7	2	30
2W 7+00N	45	4	64	.2	8	1	50
2W 6+50N	41	9	66	.1	8	4	40
2W 6+00N	49	8	68	.1	11	5	30
2W 5+50N	39	8	60	.1	8	3	40
2W 5+00N	37	7	63	.2	4	2	30
2W 4+50N	48	11	72	.1	7	7	30
2W 4+00N	33	9	53	.2	6	2	20
2W 3+50N	51	7	68	.1	5	1	40
2W 3+00N	53	7	72	.2	5	32	40
2W 2+50N	41	7	76	.1	7	3	20
2W 2+00N	68	8	72	.2	3	2	40
2W 1+50N	47	8	83	.1	6	2	20
2W 1+00N	42	9	73	.2	3	4	20
2W 0+50N	49	8	68	.1	5	3	30
1W 10+00N	34	4	64	.1	5	6	30
1W 9+50N	33	2	62	.2	8	4	10
1W 9+00N	44	4	83	.2	5	3	40
1W 8+50N	25	6	60	.2	2	2	30
1W 8+00N	59	9	69	.1	9	4	20
1W 7+50N	38	8	62	.1	6	1	40
1W 7+00N	34	5	65	.2	6	2	30
1W 6+50N	43	7	64	.2	6	3	40
1W 6+00N	44	6	64	.1	8	4	30
1W 5+50N	46	7	61	.1	7	5	70
1W 5+00N	36	10	55	.1	5	3	50
1W 4+50N	41	9	60	.1	7	2	30
1W 4+00N	43	8	71	.2	8	1	40
1W 3+50N	39	6	61	.2	6	3	30
1W 3+00N	53	10	65	.2	4	4	20
1W 2+50N	72	9	96	.2	5	29	30
1W 2+00N	57	5	55	.1	3	1	20
1W 1+50N	117	2	84	.1	6	2	5
1W 1+00N	83	6	73	.1	5	14	20
1W 0+50N	81	5	63	.1	7	2	10
OW 10+00N	52	10	47	.1	8	1	80
STD C/FA-AU	58	39	123	6.1	37	52	1500

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PAGE 7

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU** PPB	HG PPB
OW 9+50N	52.	8	59	.3	7	2	60
OW 9+00N	86	1	10	.4	17	2	40
OW 8+50N	43	5	42	.4	5	5	30
OW 8+00N	45	8	63	.1	7	3	20
OW 7+50N	40	7	65	.1	10	2	20
OW 7+00N	34	5	65	.1	6	1	30
OW 6+50N	31	7	52	.1	8	1	40
OW 6+00N	51	7	63	.1	7	11	5
OW 5+50N	36	7	55	.1	8	7	5
OW 5+00N	40	5	59	.1	4	2	20
OW 4+50N	46	6	63	.1	3	2	10
OW 4+00N	34	7	70	.1	5	2	30
OW 3+50N	36	9	81	.1	7	1	40
OW 3+00N	39	7	63	.1	5	9	10
OW 2+50N	64	10	83	.2	5	4	20
OW 2+00N	77	6	77	.1	4	1	5
OW 1+50N	110	7	97	.1	6	1	5
OW 1+00N	64	4	57	.1	2	1	10
OW 0+50N	111	6	81	.1	8	6	5
1E 10+00N	47	7	45	.2	5	1	70
1E 9+50N	34	8	47	.1	6	1	10
1E 9+00N	38	6	46	.1	7	5	5
1E 8+50N	40	10	46	.1	10	3	40
1E 8+00N	22	7	44	.1	2	2	30
1E 7+50N	12	9	37	.3	5	1	20
1E 7+00N	24	6	54	.1	6	2	30
1E 6+50N	32	8	62	.1	4	1	30
1E 6+00N	24	5	57	.1	5	2	40
1E 5+50N	31	7	56	.1	2	340	10
1E 5+00N	49	8	67	.1	9	4	20
1E 4+50N	20	7	71	.1	2	2	10
1E 4+00N	38	10	79	.2	6	9	40
1E 3+50N	54	6	69	.2	6	2	20
1E 3+00N	36	8	61	.3	6	3	20
1E 2+50N	52	10	78	.2	4	6	10
1E 2+00N	46	9	71	.1	7	9	5
1E 1+50N	51	9	57	.2	6	2	5
STD C/FA-AU	58	39	124	6.2	38	50	1400

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PAGE 8

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU** PPB	HG PPB
1E 1+00N	100	6	64	.1	3	1	5
1E 0+50N	56	9	51	.2	3	2	10
2E 10+00N	15	5	36	.2	2	13	5
2E 9+50N	16	5	34	.2	4	1	5
2E 9+00N	33	10	58	.2	7	8	30
2E 8+50N	40	6	58	.1	6	33	20
2E 8+00N	47	8	67	.1	11	2	5
2E 7+50N	48	8	60	.1	5	7	30
2E 7+00N	33	5	50	.1	3	2	20
2E 6+50N	54	6	58	.1	4	7	20
2E 6+00N	52	8	58	.1	5	3	10
2E 5+50N	35	6	55	.1	7	1	30
2E 5+00N	24	5	44	.1	2	3	20
2E 4+50N	23	5	43	.2	5	1	30
2E 4+00N	19	6	42	.1	5	2	20
2E 3+50N	40	7	77	.1	10	1	20
2E 3+00N	38	5	60	.1	5	5	30
2E 2+50N	74	3	62	.1	2	2	10
2E 2+00N	46	7	59	.2	5	3	20
2E 1+50N	63	9	73	.1	7	8	10
2E 1+00N	39	9	64	.2	4	1	40
2E 0+50N	83	8	70	.1	3	3	5
3E 10+00N	34	6	55	.1	5	2	5
3E 9+50N	33	6	65	.1	8	2	10
3E 9+00N	52	5	64	.1	7	3	20
3E 8+50N	54	10	66	.1	8	3	10
3E 8+00N	36	6	55	.2	6	1	30
3E 7+50N	42	4	61	.1	6	4	10
3E 7+00N	41	8	60	.1	8	4	40
3E 6+50N	45	5	57	.1	9	6	20
3E 6+00N	47	6	59	.1	8	7	20
3E 5+50N	41	4	56	.1	8	2	10
3E 5+00N	40	4	55	.1	4	1	30
3E 4+50N	44	5	72	.1	12	2	40
3E 4+00N	52	6	62	.1	10	4	20
3E 3+50N	32	4	42	.1	4	3	40
3E 3+00N	24	3	36	.1	10	2	20
STD C/FA-AU	58	39	125	6.4	41	51	1600

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PAGE 9

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU** PPB	HG PPB
3E 2+50N	45	11	69	.1	3	4	20
3E 2+00N	50	12	68	.1	4	3	20
3E 1+50N	75	10	87	.1	3	7	10
3E 1+00N	99	19	104	.1	3	1	10
3E 0+50N	85	9	76	.1	2	1	5
BL 10+00W	71	11	84	.1	5	11	20
BL 9+75W	62	9	73	.1	2	8	10
BL 9+50W	57	13	81	.1	2	4	30
BL 9+25W	28	10	52	.1	3	5	10
BL 9+00W	55	9	89	.1	5	4	20
BL 8+75W	50	10	82	.1	3	4	30
BL 8+50W	49	9	72	.1	4	3	20
BL 8+25W	44	13	68	.1	4	3	30
BL 8+00W	67	9	74	.1	5	7	20
BL 7+75W	29	8	52	.1	2	18	30
BL 7+50W	32	8	53	.1	2	3	10
BL 7+25W	37	10	57	.1	5	12	40
BL 7+00W	53	10	68	.1	3	4	30
BL 6+75W	88	10	91	.1	5	4	5
BL 6+50W	86	12	86	.1	8	3	20
BL 6+25W	80	10	95	.1	5	2	5
BL 6+00W	66	11	90	.1	2	195	30
BL 5+75W	69	12	86	.1	2	6	20
BL 5+50W	42	10	68	.1	2	1	10
BL 5+25W	53	10	72	.1	5	2	20
BL 5+00W	45	9	76	.1	3	4	30
BL 4+75W	63	12	85	.1	4	4	20
BL 4+50W	41	10	72	.1	5	3	20
BL 4+25W	36	12	60	.1	5	2	40
BL 4+00W	42	10	75	.1	8	1	30
BL 3+75W	64	13	82	.1	2	1	10
BL 3+50W	51	11	75	.1	7	2	5
BL 3+25W	49	11	75	.1	7	3	5
BL 3+00W	62	10	77	.1	4	8	20
BL 2+75W	43	6	69	.1	3	2	5
BL 2+50W	50	13	74	.1	7	2	20
BL 2+25W	56	11	73	.1	4	4	30
STD C/FA-AU	58	40	124	6.1	37	53	1400

FORT KNOX MINERALS FILE # 84-2755

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU** PPB	HG PPB
BL 2+00W	51	9	66	.1	5	4	10
BL 1+75W	48	8	70	.1	6	2	5
BL 1+50W	48	7	66	.1	9	2	30
BL 1+25W	59	9	72	.1	6	4	5
BL 1+00W	82	6	67	.1	4	4	5
BL 0+75W	58	6	68	.1	3	4	20
BL 0+50W	49	11	67	.2	7	3	20
BL 0+25W	56	6	70	.2	7	3	30
BL 0+00W	251	6	87	.1	3	11	20
BL 0+25E	67	8	76	.1	6	3	20
BL 0+50E	73	6	70	.2	6	3	30
BL 0+75E	52	4	71	.1	5	2	50
BL 1+00E	60	6	78	.1	6	3	40
BL 1+25E	59	5	62	.1	6	3	30
BL 1+50E	118	7	66	.1	5	4	5
BL 1+75E	69	5	64	.1	6	2	5
BL 2+00E	79	5	69	.2	7	5	10
BL 2+25E	44	6	64	.2	7	2	30
BL 2+50E	39	7	64	.1	4	2	50
BL 2+75E	35	5	61	.1	6	4	40
BL 3+00E	43	6	68	.1	7	4	20
BL 3+25E	38	6	70	.1	8	3	20
BL 3+50E	40	9	82	.1	6	3	30
BL 3+75E	40	6	66	.1	12	2	30
BL 4+00E	53	5	66	.1	11	3	20
BL 4+25E	46	6	67	.1	9	4	30
BL 4+50E	39	5	63	.1	7	3	30
BL 4+75E	28	7	41	.1	6	1	40
BL 5+00E	42	7	63	.1	7	3	30
BL 5+25E	38	7	58	.1	6	3	20
BL 5+50E	44	5	61	.1	5	2	30
BL 5+75E	33	8	60	.1	3	2	40
BL 6+00E	31	5	64	.1	5	2	30
BL 6+25E	36	6	77	.1	9	2	40
BL 6+50E	34	3	72	.1	7	4	30
BL 6+75E	31	9	63	.1	4	2	40
BL 7+00E	31	4	67	.1	6	2	30
STD C/FA-AU	58	39	123	6.1	38	50	1300

FORT KNOX MINERALS FILE # 84-2755

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU** PPB	HG PPB
BL 7+25E	31	10	57	.1	7	2	20
BL 7+50E	32	6	56	.2	4	2	40
BL 7+75E	33	7	61	.1	8	1	30
BL 8+00E	29	7	55	.1	5	2	50
BL 8+25E	34	10	57	.1	4	2	10
BL 8+50E	28	10	54	.1	2	2	30
BL 8+75E	40	6	50	.1	6	2	20
STD C/FA-AU	58	40	125	6.4	41	52	1200

VLF - EM Geophysical Surveys

Electromagnetic geophysical surveys were conducted over the Fort Knox grid by Mr. G. Davidson using a Ronka EM 16 unit. Stations were located at 25 meter separation on lines 100 meters apart, and the signal response for both Seattle, Washington and Cutler, Maine were recorded.

Results of the VLF - EM survey are depicted in Figure 5 (Seattle), Figure 6 (Seattle, Fraser Filtered), Figure 7 (Maine) and Figure 8 (Maine, Fraser Filtered).

VLF - EM surveys have proven to be effective in delineating auriferous structures in the Surprise Lake camp, and when used in conjunction with geochemical and geological investigations can be invaluable in areas of glacial overburden. The 1984 survey defined several strong conductors in the Fort Knox property, and these are discussed in the conclusions to this report.

CONCLUSIONS

The geochemical and geophysical surveys performed in 1984 outlined several anomalous areas on the Fort Knox grid; two of the anomalous areas have coincident geochemical and geophysical expression, one displays an isolated Au geochemical value and one is a strong conductor with inconclusive geochemical values. All occur in the southern portion of the grid, proximal to the outcrop of Cache Creek Group chert and argillite on the extreme southern flank of the claim group.

The strongest anomaly would appear to be centered around 1 + 00 W by 2 + 50 N. Here a gold value of 29 ppb is complemented with mercury at 30 ppb and zinc at 96 ppm. Strong conductors appear on both Maine and Seattle frequencies, with the Maine anomaly being the best defined centered slightly south of the geochemical anomaly at 1 + 00 W by 2 + 25 N to 2 + 00 W by 2 + 25 N. The extensive length of this anomalous conductor and its apparent coincidence with geochemical highs suggest that it may be a high priority target. The displacement of geochemical values north of the conductor is in keeping with the expected effect of solifluction in this area.

The second strongest anomaly is developed near 6 + 00 W by 2 + 50 N. Gold values here are 35 ppb, mercury is 100 ppb slightly to the south and zinc is 90 ppm. Geophysical effects are not as strong as in the previous anomaly, but do coincide with the geochemical feature. The peak of the filtered VLF - EM values is slightly displaced to the west of the geochemical anomaly, but this could be easily ascribed to the relatively broad spacing of both surveys.

A strong gold value of 340 ppb occurs at 1 + 00 E by 5 + 50 N. The other elements from this site are inconclusive. The anomaly does lie on the eastern end of a spotty, bifurcated conductor parallel to the conductor that passes through the

previous two anomalies and consequently should not be overlooked without further investigation.

A final anomaly occurs at 8 + 00 W by 6 + 00 N with very strong VLF - EM conductors on both frequencies but no geochemical expression. This feature should be examined in further exploration of the property but treated with appropriate caution unless an explanation for the lack of geochemical support is determined.

These four anomalies should be examined in the course of future exploration of this property. It is suggested that small scale grids be stepped out around each anomaly, with lines spaced 25 meters apart and stations at 10 meter intervals; the VLF - EM survey should be conducted over each of these mini-grids, and soil samples again taken with analyses for Au, Hg and Zn. It does not appear at this time that other analyses will be required, as the results for As, Cu, Pb and Ag are fairly inconclusive in initial surveys. A series of bulk soil samples (i.e. 25 kilograms) should be obtained from the central point of each anomaly and panned out to be analysed for gold values.

The grid area should be extended both to the east and the west along the trend of the southernmost conductor, with VLF - EM and soils taken at the density of the 1984 survey.

A program of detailed float mapping should be conducted on the grids to better determine the location of the contact through this portion of the property, and a systematic reconnaissance of the MB 7 area should be undertaken.

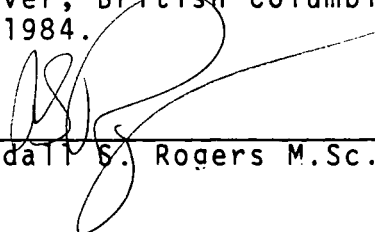
At this stage of exploration, none of the developed anomalies warrant trenching or diamond drilling, but it is probable that early work in the next season will indicate such targets.

CERTIFICATE

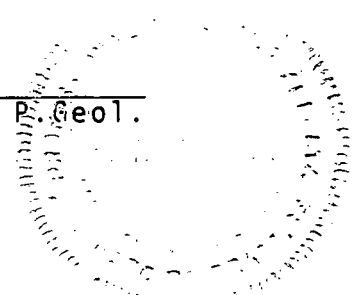
I, Randall Stewart Rogers, of the City of Whitehorse in the Yukon Territory, DO HEREBY CERTIFY:

1. THAT I am a consulting professional geologist with offices situate at 32 Marion Crescent, Whitehorse, Yukon Territory;
2. THAT I am a Professional Geologist (P.Geol.) licenced by the Association of Professional Engineers, Geologists and Geophysicists of Alberta;
3. THAT I am a graduate of the University of British Columbia with the degree of Bachelor of Science (Honours) in Geology;
4. THAT I am a graduate of Queen's University at Kingston, Ontario with the degree of Master of Science in Mineral Exploration;
5. THAT I am a member of the Canadian Institute of Mining and Metallurgy;
6. THAT I am a member of the Geological Association of Canada;
7. THAT I have personally examined the property now covered by the MB6, MB7, and MB8 mineral claims on the 25 - 27th days of September, 1984;
8. THAT I have no interest, direct or indirect, in any of the securities or properties of Fort Knox Minerals Ltd. and do not expect to receive or acquire any;
9. THAT I consent to the use of this report for the purposes such as may be determined by Fort Knox Minerals Ltd.

DATED at the City of Vancouver, British Columbia, this 14th day of November, A.D. 1984.



Randall S. Rogers M.Sc., P. Geol.



C. DRILLING

(Details in report submitted as per section 8 of regulations.)
(The itemized cost statement must be part of the report.)

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL

(Details in report submitted as per section 5, 6, or 7 of regulations.)
(The itemized cost statement must be part of the report.)
(State type of work in space below.)

GEOPHYSICAL LINES WITH VIFF EM IL	18000.00
AND SOIL SAMPLES	
REPORT COMPLETED AND FORWARDED	
	TOTAL OF C AND D 18000.00

Where the above statement requires a technical report as per section C of the Mineral Act Regulations, the author of the report shall complete both copies of the ASSESSMENT REPORT TITLE PAGE AND SUMMARY form and include the completed forms in the assessment reports.

Who was the operator (provided the financing)?

Name FORT KNOX MINERALS
Address 701-609 GRANVILLE ST -
VANCOUVER B.C

ACME ANALYTICAL LABORATORIES LTD.

PHONE: 253-3158

852 st Hastings St., Vancouver, B.C. V 1R6

File: 84-2755

Date: OCT 1 1984

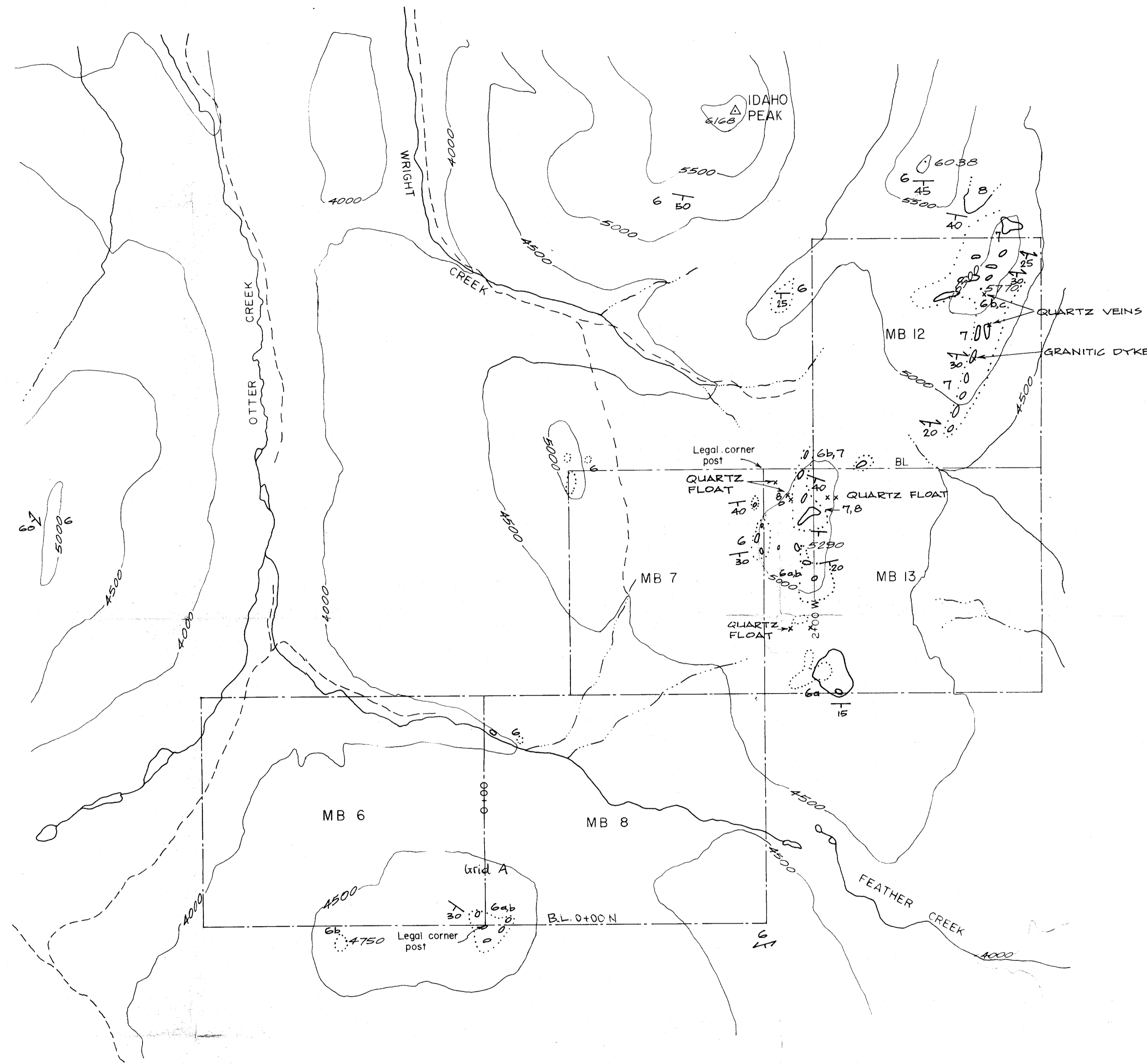
FORT KNOX MINERALS LTD
2000 - 609 GRANVILLE ST
VANCOUVER B.C.

TERMS:
NET TWO WEEKS
2% PER MONTH CHARGED ON
OVERDUE ACCOUNTS.

NUMBER	ASSAY	PRICE	AMOUNT
377	GEOCHEM CU PB ZN AG & AS ASSAYS @	4.00	1508.00
377	GEOCHEM AU BY FA + AA @	5.50	2073.50
377	GEOCHEM HG ASSAY @	3.00	1131.00
377	SOIL SAMPLE PREPARATION @	.60	226.20
	TOTAL		4938.70
	CANADIAN PACIFIC # 018-51133375 PREPAID		

*Paid
Oct 1/84
AT 204*

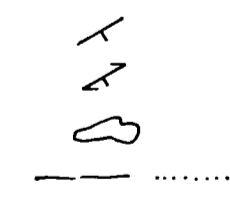
PLEASE PAY LAST AMOUNT →



LEGEND

- 6. CHERT, ARGILLITE, CHERT PEBBLE CONGLOMERATE AND CHERT BRECCIA, (6b) DERIVED QUARTZITE (6a), AND SCHIST (6c)
- 7. ANDESITE TUFF AND ANDESITE
- 8. LIMESTONE AND LIMESTONE BRECCIA

- BEDDING (INCLINED)
- SCHISTOSITY (INCLINED)
- OUTCROP
- CONTACT (DEFINED, ASSUMED)



GEOLOGICAL BRANCH ASSESSMENT REPORT

13,616

ROGERS EXPLORATION SERVICES LTD.
WHITEHORSE YUKON TERRITORY

REVISIONS		

FORT KNOX MINERALS LTD.
VANCOUVER B. C.
CLAIM BOUNDARIES, GRID LOCATION
GEOLOGY

SURVEY BY G. Davidson
DRAWN BY WKBriggs
DATE Oct. 1984
SCALE 1:2500
N.T.S. 10411/W

DRAWING NO. 2

