



1980 GEOLOGICAL and GEOCHEMICAL REPORT

on the

NOON CLAIM GROUP

HOOCHKOO CREEK AREA

WHITEHORSE MINING DISTRICT

by

D. Newman

and

R. J. Joy,  
United Keno Hill Mines Limited,  
409 Black Street,  
Whitehorse, Y.T.

Dated: December 3, 1980

N.T.S. Sheet - 115I-7  
Latitude - 62°25'N  
Longitude - 136°45'W  
Dates - June 3 to Aug. 28, 1980

090775



This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

\$ 51,840.00

*[Handwritten Signature]*

Resident Geologist or  
Resident Mining Engineer

Considered as representation work under  
Section 53 (4) Yukon Quartz Mining Act.

*[Handwritten Signature]*  
E. R. BAXTER

Supervising Mining Recorder

*[Handwritten Signature]*  
Commissioner of Yukon Territory

Yukon Quartz Mining Act  
Section 53 (4)  
Whitehorse, Y.T.

W.T.S. Sheet - 1181-7  
Latitude - 62°25'N  
Longitude - 132°45'W  
Dates - June 3 to Aug. 1980

Date: December 3, 1980

020775

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**FIGURES:-**

1. Location Map
2. NOON Claim Group
3. Histogram of Copper Results

**MAPS in POCKET:-**

SURFACE PLAN	1" = 400'
GEOLOGY	1" = 400'
GEOCHEMISTRY - Copper Plot	1" = 400'

SUMMARY and CONCLUSIONS:-

The NOON Claim Group consists of 108 full claims. These claims were staked during May 1980 to cover an area of favourable ground between the STU and Williams Creek prospects.

Geological and geochemical surveys were carried out over more than half the claims between June 3rd and August 28th. The geochemical survey resulted in the collection of 5173 samples. These samples were analysed for copper.

The property is underlain by medium to coarse-grained granodiorite. Hornblende is the dominant mafic mineral, but in some places biotite predominates. Biotite is more pronounced in the weak to moderately foliated granodiorite. This weakly foliated material was only observed in a few areas. No gneissic material similar to that present on the STU Property was encountered during the mapping. Narrow, variably oriented aplite and pegmatite dykes cut the granodiorite.

Several traces of malachite were observed near the southern boundary of the property. The assay data suggests that some copper-poor samples contain appreciable silver. This feature is uncharacteristic of any other known deposit in the area. Generally, silver values are much less than one-third the copper values. Therefore, there was probably contamination at the assay laboratory. All possibilities are being investigated.

The geochemical survey outlined a number of small, scattered, weak to moderately anomalous areas. These anomalies generally consist of one or more anomalous values with a few supportive values.

Two areas of particular interest were revealed. These lie in the southeastern part of the property. The anomaly in the south corner consists of four separate anomalies within a restricted area. Each of these is composed of one or more anomalous values (highest 121 ppm copper), with several supportive values.

The other anomalous area lies just outside the southeast boundary. This anomaly consists of two separate anomalies (peak values 206 and 131 ppm). One of these has a northwest trending tail of supportive values. Approximately 800 ft. of open ground appears to be available for staking between this anomaly and the northwest edge of the Williams Creek Property.

RECOMMENDATIONS:-

It is recommended that the available ground between the NOON Claims and the Williams Creek Property be staked.

It is also recommended that geological and geochemical surveys be completed over the remainder of the property.

INTRODUCTION:-

Several significant intersections of copper mineralization were encountered during the 1980 diamond drill program on the STU Claims. A northwest trend was outlined by these intersections. This orientation conforms to the regional northwest trend suggested by deposits (DEF, Williams Creek) and occurrences (HI) in the area. Since the STU occurrence lies about seven miles northwest of the Williams Creek deposit, it was felt that the area between these occurrences should be investigated.

This area, along with the eastern half of the STU Property, was staked and explored by Hudson Bay Oil and Gas Company during the early seventies. A program of soil sampling, mapping, and geophysics was conducted over the BAY Claims. The apparent target was a large low-grade disseminated copper deposit. Since the induced polarization survey carried out during the summer of 1974 didn't suggest such a deposit, the remaining claims were allowed to lapse on their anniversary dates.

On May 21st and 22nd the NOON 1-108 Claims were staked to cover the area between the STU and Williams Creek Properties. Between June 3rd and August 28th a two to four-man crew conducted geological and geochemical surveys over approximately two-thirds of the property.

During July, a control baseline was established across the NOON Claims. This baseline crosses all other properties held by United Keno in this area.

LOCATION and ACCESS:-

The NOON Claims lie about 129 miles north-northwest of Whitehorse (Figure 1) and covers the area immediately northwest of the Williams Creek Property. It is situated at the latitude 62°25'N, longitude 136°45'W on N.T.S. Sheet 115I-7.

Access was by helicopter from Carmacks which lies about 26 miles to the southeast. An abandoned sawmill clearing adjacent to the Klondike Highway about five miles northeast of the property was utilized as a staging area.

PROPERTY:-

The NOON Claim Group (Figure 2) consists of 108 contiguous full claims. These claims, Grant Number YA48868 to YA48975 inclusive, expire on May 23, 1981.

PHYSIOGRAPNY:-

The property lies in an area of rolling hills on the east flank of the northwest trending Dawson Range. Relief is about 800 ft. with elevations ranging from about 2,200 ft. in the Hoochekoo Creek valley to about 3,000 ft. on the highest ridge. A thick layer of moss is present in depressions and valley bottoms where the drainage is poor. Gentle north-facing slopes are also covered with thick moss. Sampling is difficult in these areas during the early summer because the material underlying the moss is frozen.

In general, the area is heavily forested with small clearings in the valley bottoms and on the crests of ridges. Trees are mostly spruce and pine on the north and east slopes. Open stands of poplar are dominant on the south and west slopes.

Bedrock exposure accounts for less than two (2) percent of the area covered by the NOON Claims. However, scattered float probably covers an additional three or four percent of the area. The overburden consists primarily of alluvial or glaciofluvial material. This material is several tens of feet thick in many places and may be more than 100 ft. in some areas.

REGIONAL GEOLOGY:-

The NOON Property lies within the Yukon Crystalline Terrane (Templeman-Kluit, 1976) at the western boundary of the Whitehorse Trough. This portion of the Yukon Crystalline Terrane is composed of various foliated rocks that have been invaded by Mesozoic and later intrusives and unconformably overlain by early Tertiary volcanics.

For the most part, the property is underlain by granodioritic rock of the Klotassin batholith. Along the east side of the property these rocks are in fault contact (Templeman-Kluit, 1974) with massive green volcanics of the Whitehorse Trough. Northwest trending screens and lenses of weak to strongly foliated rocks are common in this portion of the batholith.

The northwest trending Teslin suture zone (axis of the Whitehorse Trough in this area) is coincident with the Yukon River valley about three miles east of the Property.

## GEOLOGICAL SURVEY

### GENERAL:-

Medium-to coarse-grained biotite-hornblende granodiorite underlies most of the property. In most areas hornblende is the dominant mafic mineral, but some biotite-rich sections were mapped. The biotite-rich sections were observed in the south corner of the property. The granodiorite is generally porphyritic with large (2-3 cm) feldspar phenocryst in an equigranular matrix. In places, the granodiorite appears to have been silicified and contains up to 75 percent quartz. Mafic minerals constitute as little as five percent of these rocks.

In some areas, the mafic minerals outline a weak to moderately developed foliation. The foliation is more apparent in those sections where biotite predominates. Foliations trend northwest and have moderate dips to the northeast and southwest. No gneissic sections such as seen on the STU Property (Watson and Joy, 1977) were encountered.

The granodiorite is cut by aplite and pegmatite dykes. These dykes do not appear to have any preferred orientation but do appear as swarms in restricted areas. Contacts with the granodiorite are usually quite sharp. The aplite is fine to medium-grained and contains about two percent mafics. About one half the aplite exposures observed contained trace to one percent magnetite.

Pegmatite dykes are much less abundant than aplite. They usually consist of large (2 to 20 cm) interlocking crystals of quartz and feldspar. Several contained large biotite flakes or thin books. Traces of magnetite were noted in dykes in the southeast corner of the property.

Volcanic cobbles were noted in three trenches in the south corner of the property. These trenches were excavated by the previous owners, but bedrock was not reached.

### STRUCTURE:-

The sparcity of outcrop results in limited structural data. However, some features were measured on larger outcrops. The observed foliations have strikes which vary from 315° to 355°. Both northeast (52-74°) and southwest (64 to 82°) dips were recorded. Shallow (30-45°) joints also have northeast and southwest dipping surfaces. The strikes of these joints vary from 285° to 325°.

ALTERATION:-

The most common alteration products observed in hand specimens were epidote and chlorite. The epidote results from deuteric alteration of mafic minerals. Chlorite appears as an alteration product of biotite.

In places, narrow pink stain envelopes are associated with joints or quartz-epidote veinlets.

MINERALIZATION:-

Several traces of malachite were the only indications of copper mineralization noted during the geological mapping. At these occurrences, the malachite was present on the surface of aplite dykes in moderately foliated granodiorite.

Several samples of foliated material were submitted for assay. The assay data is compiled in APPENDIX A. The silver values are problematic and probably result from contamination in the U.K.H.M. assay laboratory at Elsa. Sample numbers 1426, 1430, 1437 and 1443 were re-assayed at Elsa and a comparison of the results is given below:

<u>Sample Number</u>	<u>August 7th Report</u>		<u>Nov. 7th Report</u>	
	<u>oz/ton Ag</u>	<u>% Cu</u>	<u>oz/ton Ag</u>	<u>% Cu</u>
1426	1.23	0.01	1.20	0.01
1430	1.88	0.01	1.83	0.01
1437	0.30	0.01	0.12	0.01
1443	1.26	0.01	0.98	0.01

Samples 1437 and 1443 show a wide discrepancy (60% and 22%, respectively) whereas the other two are quite similar. Therefore, it's very difficult to determine whether the contamination resulted during the crushing and grinding stage or in the analytical process. No tailing effects were apparent in other large batches of samples. However, the high silver values and apparent compatibility of the above results does suggest contamination during the early processing.

## GEOCHEMICAL SURVEY

### GENERAL:-

A claim reconnaissance-type soil sample survey was conducted by a two-man crew. Blazed claim location lines (310°) were used as baselines. Samples were collected at 100 ft. intervals along lines run orthogonal to these baselines at 300 ft. intervals. The sample lines were run using topofil chain and compass. The geology crew assisted with the running of lines when mapping progressed faster than the sampling. Mattocks were used to obtain the samples.

Approximately sixty-five (65) percent of the property was covered by the geochem survey (Map in Pocket) and a total of 5173 soil samples were collected. All samples were analysed for copper by Bondar-Clegg and Company Ltd. using standard analytical techniques.

### PEDOLOGY:-

A ubiquitous, white volcanic ash layer varies in thickness from less than two (2) inches on top of some ridges to about fifteen (15) inches in topographic lows. A thin (1-2 in) brown-black humus horizon commonly underlies the ash. This is commonly underlain by red-brown, sandy-clayey B-horizon.

In areas of poor drainage and north-facing slopes, a layer of moss and other organic debris up to twelve (12) inches thick lies above the ash layer. This layer insulates the frozen ground and makes sampling in such areas extremely difficult or impossible during the month of June. Reasonable success was achieved during July and August.

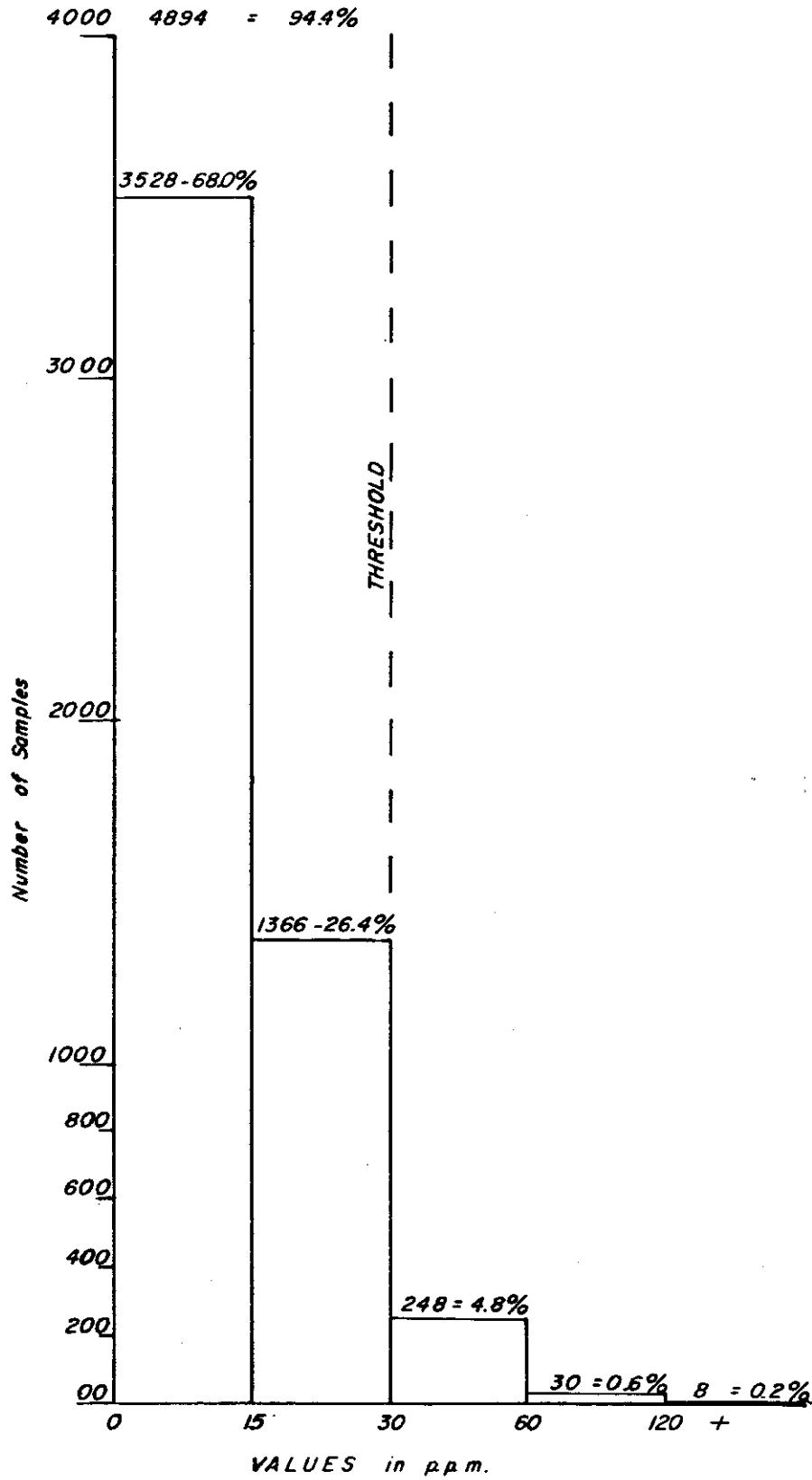
### INTERPRETATION of RESULTS:-

It is readily apparent from the histogram of copper results (Figure 3) that less than six (6) percent of the values except 30 ppm. This value was taken as a local threshold and contour intervals determined by a geometric progression. Values greater than 60 ppm can be considered anomalous in this area.

Generally, the copper plot (in pocket) shows scattered, isolated, anomalous values with few, if any, supportive values. Two areas, the south corner and the southeast end of BL 7450S contain the better anomalies.

# NOON CLAIM GROUP

HISTOGRAM of Copper Results for 5180 Soil Samples



The anomaly in the south corner of the property actually consists of four separate anomalies. Each of these has one or more anomalous values (peak values 121, 109, 101, 81 ppm). One of the three trenches excavated by the previous owners lies within one of these anomalous areas. However, the trench did not reach bedrock and no mineralized float was observed. The overburden is composed of glacial debris. Rock fragments include granodiorite, volcanics, and sediments.

The other anomalous area is just off the southeast end of the property. It consists of two separate anomalies that may be joined further southeast. One of these anomalies (peak value 206 ppm) has a northwest tail (downslope) of supportive values. The other is a two sample anomaly that is open to the southeast.

REFERENCES:-

- Templeman-Kluit, D.J., 1976; The Yukon Crystalline Terrane: Enigma in the Canadian Cordillera, Geol. Soc. Am. Bull. V87, p. 1343-1357, September.
- 1974, Carmacks Map Area, 1:250,000, G.S.C. Open File 200.
- Watson, K.W. and Joy, R.J., 1977; Geological, Geochemical and Geophysical Report on the STU Claim Group, Hoochekoo Creek Area, Whitehorse Mining District, N.T.S. 115I-7, U.K.H.M. Files

APPENDIX A

ASSAY DATA



UNITED KENO HILL MINES LIMITED  
EXPLORATION DEPARTMENT — 409 BLACK — WHITEHORSE

**ASSAY RESULT FORM**

DATE			Tag No.	Location and Description	ASSAY RESULTS								
D	Mo.	Yr.			Au oz/ton	Ag oz/ton	Pb %	Zn %	Cu %	Mo %	W %	Fe %	
24	07	80	1439	6JR15e f. m-gr mod fol Pqdm	Tr	0.31			0.01			1.65	
25	07	80	1440	7JR2e m-gr mod fol Pqdm	Tr	0.33			0.01			1.73	
25	07	80	1441	7JR20e f. gr. aplite from trench #3	Tr	0.41			0.01			0.56	
25	07	80	1442	7JR21e aplite from trench #6	Tr	0.36			0.01			0.47	
27	07	80	1443	8JR16e f-m-gr. wk fol Pqdm	Tr	1.26			0.01			1.78	
15	08	80	1444	17JR7e mod fol Pqdm biotite - 15% qtz = feldspar	-	1.94	0.24	0.04	0.01	.001		1.53	
15	08	80	1445	17JR8e mod fol Pqdm (bio = hb) = 15% qtz = feldspar	Tr	1.08	0.13	0.02	0.01	.001		1.54	
15	08	80	1446	17JR9e mod fol Pqdm biotite=30% qtz = feldspar	Tr	0.47	0.04	0.02	0.01	.001		2.35	
31	07	80	1447	110N15 mod fol gdm with epi & garnet	0.08	0.23	0.03	0.01	0.01	.001		0.62	
10	08	80	1448	18DN5 Pqdm	Tr	0.28	0.03	0.01	0.01	.001		1.73	
11	08	80	1449	19DN2 wk fol gdm	Tr	0.24	0.02	0.01	0.01	.001		1.27	

**UNITED KENO HILL MINES LIMITED**  
**EXPLORATION DEPARTMENT — 409 BLACK — WHITEHORSE**

**ASSAY RESULT FORM**

DATE			Tag No.	Location and Description	ASSAY RESULTS								
D	Mo.	Yr.			Au oz/ton	Ag oz/ton	Pb %	Zn %	Cu %	Mo %	W %	Fe %	
0	07	80	1426	2DN7 c-gr weakly foliated gdm	Tr	1.23			0.01			1.56	
1	07	80	1427	3 DN10 m-cgr pink and white aplite	Tr	0.24			0.01			0.41	
2	07	80	1428	4 DN 3 c.gr. black & white wk fol gdm	Tr	0.25			0.01			1.78	
5	07	80	1429	7DN5 black & white c.gr. mod. fol. gdm	Tr	0.24			0.01			2.08	
7	07	80	1430	8DN14 black & white c.gr wk fol gdm	Tr	1.88			0.01			1.90	
3	07	80	1431	pink and white m-cgr aplite	Tr	0.20			0.01			0.31	
7	07	80	1432	8DN3 Black & white m-cgr mod fol gdm	Tr	0.27			0.01			1.49	
9	07	80	1435	Black & white m-cgr wk fol gdm	Tr	0.31			0.01			1.39	
0	07	80	1436	2JR115 aplite with trace malachite	Tr	0.29			0.01			0.45	
3	07	80	1437	5JR9s m-cgr mod fol Pgdm	Tr	0.30			0.01			1.87	
4	07	80	1438	6JR1s mgr mod fol Pgdm	Tr	0.31			0.01			1.50	

# ~~SILX~~ / SOIL SAMPLE STATISTICS

Project: No. 47 NOON      Dates of Program: June 17  
to Aug. 28/80

Number of Samples Collected: 5180

Metals Analyzed: Cu

Samplers: Arlen Schmidt

Marcus Watereus

Malcolm Graham

Man days: 158 (operating)

Samples collected / man - day: 32.8

Pb

Values in ppm	No. in Range	% of Total	Values in ppm	No. in Range	% of Total
			1 - 14	3528	68.0
			15 - 29	1366	26.4
			30 - 59	248	4.8
			60 - 119	30	0.6
			120+	8	0.2
				5180	100.0

Cu

Zn

Values in ppm	No. in Range	% of Total	Values in ppm	No. in Range	% of Total

Mn

Ag

Values in ppm	No. in Range	% of Total	Values in ppm	No. in Range	% of Total

APPENDIX C

LOGISTICS:-

PROJECT: Project No. 47 - NOON Claim Group  
TERRAIN: Semi-Mountainous  
MAIN BASE: Whitehorse  
OPERATING CAMPS: Four at strategic locations  
CREW: Geologist, an Assistant, and two soil samplers  
SUPPORT AIRCRAFT: Bell 206B Jet Ranger helicopter, Trans North  
Turbo Air, Carmacks, Y.T.

HELICOPTER TIME DISTRIBUTION:

Utilization May 21 to August 28

	<u>Hours Flown</u>
Claim staking	7.4
Camp moves and supply	<u>15.7</u>
TOTAL	23.1

OPERATING MAN DAYS:-

	<u>June</u>	<u>July</u>	<u>August</u>	<u>Total</u>	<u>%</u>
Possible days	84	124	104	312	
Operating days	62	79	57	198	63.5
Lost days					
- camp moves	11	-	18	29	9.3
- R. & R		14	6	20	6.4
- weather & other	11	31	23	65	20.8

PROJECT COSTS - NOON CLAIM GROUP - PROJECT No. 47  
May 21 to October 31, 1980

GENERAL:-

Salaries & wages	\$ 3,338.00	
Overhead on labour	1,001.00	
Hiring expenses	1,200.00	
Stationary and supplies	7.00	
Publications and maps	2.00	
Travel - Staff	<u>1,489.00</u>	
	7,037.00	\$ 7,037.00

PROPERTY ACQUISITION:-

Contract labour and expenses	8,100.00	
Recording Fees	129.00	
Aircraft Charter	<u>3,139.00</u>	
	11,368.00	11,368.00

LINE CUTTING:-

Contract labour and expenses	2,300.00	
Aircraft Charter	<u>1,398.00</u>	
	3,698.00	3,698.00

GEOLOGICAL:-

Company Labour	9,529.00	
Overhead on labour	2,860.00	
Equipment and supplies	<u>80.00</u>	
	12,469.00	12,469.00

GEOCHEMICAL:-

Company Labour	5,795.00	
Overhead on labour	1,738.00	
Equipment and supplies	452.00	
Contract Analyses	<u>10,346.00</u>	
	18,332.00	18,332.00

ENGINEERING & SURVEYS:-

Contract Labour & expenses	<u>10.00</u>	
	10.00	10.00

CAMP OPERATION:-

Company Equipment & supplies	1,051.00	
Food	4,201.00	
Fuel	77.00	
Equipment repair	78.00	
	<u>5,407.00</u>	5,407.00

AIRCRAFT CHARTER:-

Helicopter	4,713.00	4,713.00
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VEHICLES:-

Operating supplies/maintenance	174.00	<u>174.00</u>
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TOTAL		\$63,208.00
Less Property Acquisition		<u>11,368.00</u>
Applicable Work		\$51,840.00

APPENDIX D

PERSONNEL and CONTRACTORS EMPLOYED

GEOLOGICAL MAPPING by:-

Derek Neuman, May 26 - September 10  
Spaniard's Bay,  
Conception Bay,  
Newfoundland AOA 3X0

Assisted by -

John Reddick, May 26 - August 28  
76 Maple Drive,  
Belleville, Ontario  
K8P 2R2

GEOCHEMICAL SAMPLING by:-

Arlen Schmidt, June 16 - September 2  
10138 - 83rd Avenue,  
Edmonton, Alberta  
T6E 2C4

Marcus Waterreus June 16 - August 6  
24 Roundel Road,  
Whitehorse, Y.T.  
Y1A 3H4

Malcolm Graham, July 23 - September 3  
1915 West Broadway,  
Vancouver, B.C.

CLAIM STAKING and LINECUTTING by:-

McCrory Holdings (Yukon) Limited,  
307 Jarvis Street,  
Whitehorse, Y.T.  
Y1A 2H3

HELICOPTER SUPPORT by:-

Dean Cameron,  
Trans North Turbo Air,  
Carmacks, Y.T.

GEOCHEMICAL ANALYSES by:-

Bondar-Clegg and Company Ltd.,  
1368 Industrial Road,  
Whitehorse, Y.T.

ASSAY DETERMINATIONS by:-

Assay Lab,  
United Keno Hill Mines Limited,  
Elsa, Yukon

SUPERVISED by:-

R. J. Joy,  
Senior Exploration Geologist,  
United Keno Hill Mines Limited,  
409 Black Street,  
Whitehorse, Y.T.  
Y1A 2N2

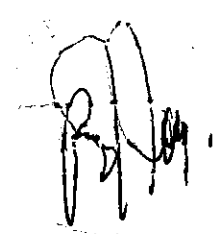
APPENDIX E

STATEMENT OF QUALIFICATIONS

I, Richard J. Joy, of the City of Whitehorse, Yukon Territory, do hereby certify that:

1. I am a geologist, residing at 20 Stewart Road, Whitehorse, Yukon Territory.
2. I have received a B. Sc. (honours) in Geology from Memorial University of Newfoundland.
3. I have attained the status of Fellow in the Geological Association of Canada.
4. I have been actively engaged in the mineral exploration field since 1968.
5. I am presently employed as Senior Exploration Geologist with United Keno Hill Mines Limited.
6. I have supervised the work described in this report.

Dated at Whitehorse this 18<sup>th</sup> day of December, 1980



A F F I D A V I T

I, Robert E. Van Tassell, of Whitehorse, in the Yukon Territory,  
Exploration Superintendent, do solemnly declare:

1.

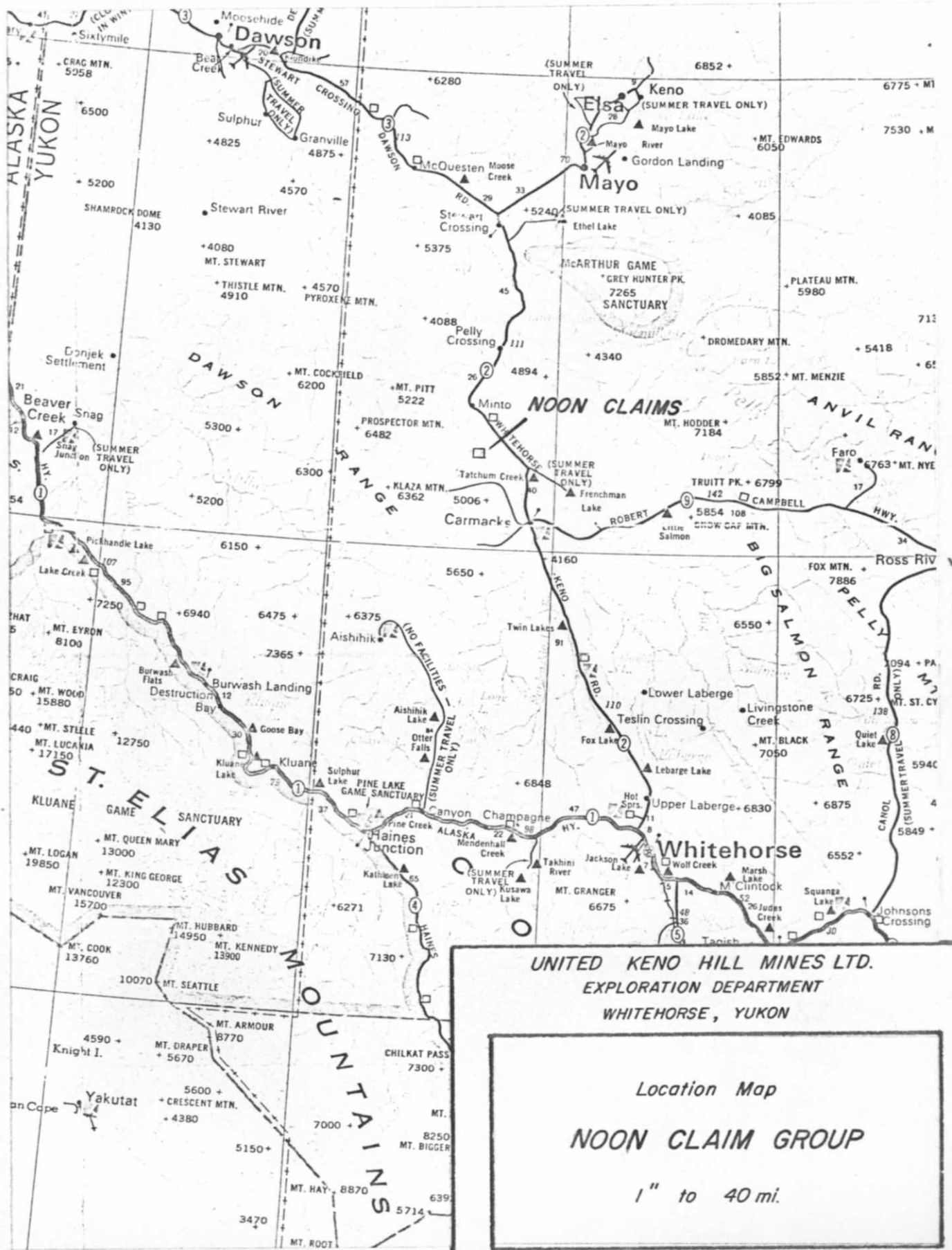
That I am duly appointed agent of United Keno Hill Mines Limited,  
and except where otherwise stated have a personal knowledge of the  
facts and matters herein, and swear to the value of work contained  
in Appendix C.

And I make this solemn declaration conscientiously believing it to  
be true and knowing that it is of the same force and effect as if  
made under oath and by virtue of the Canada Evidence Act.

Declared before me at  
Whitehorse, in  
The Yukon Territory,  
this 13th day of  
March 1981.

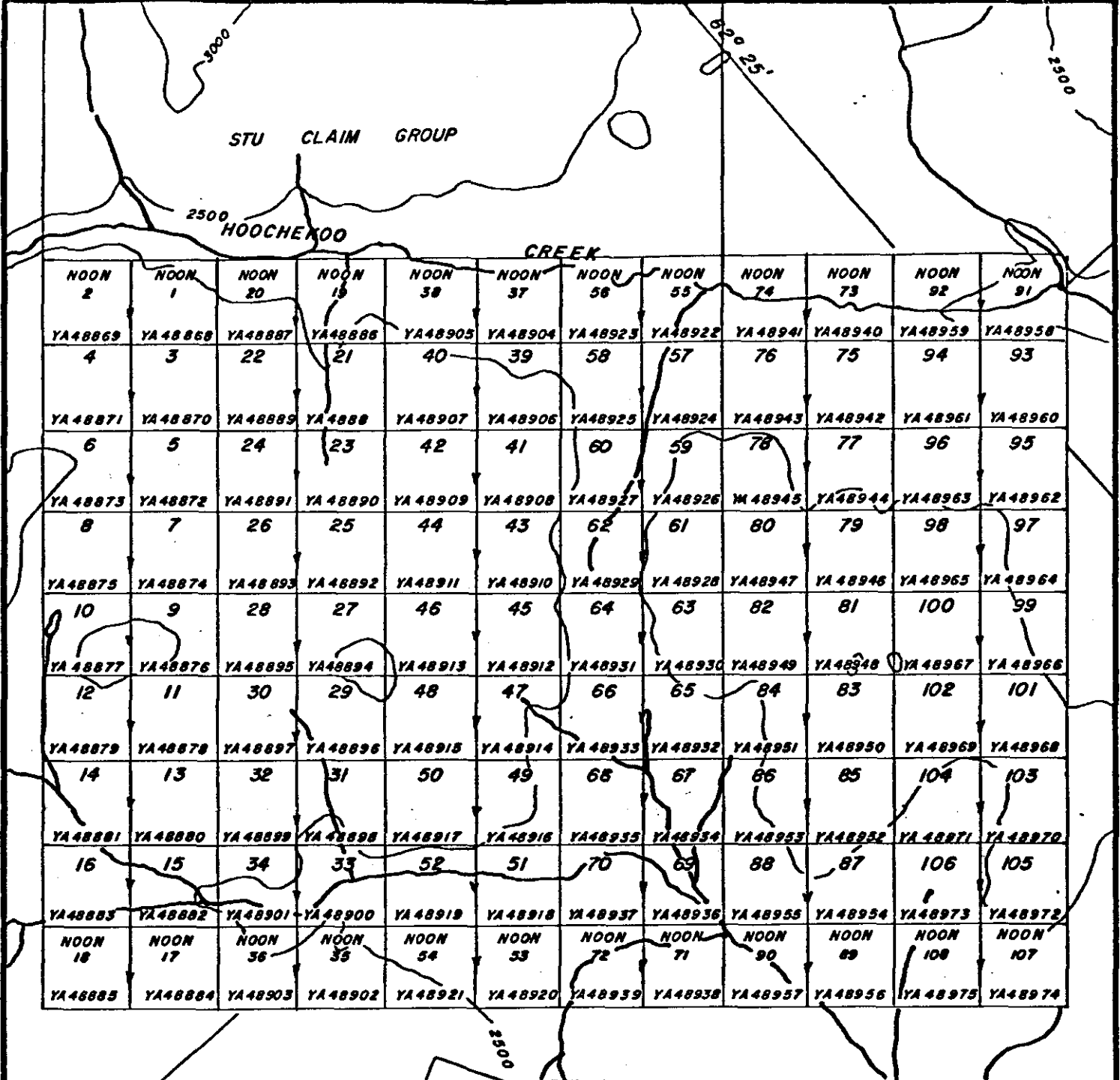


  
\_\_\_\_\_  
Notary Public



UNITED KENO HILL MINES LTD.  
 EXPLORATION DEPARTMENT  
 WHITEHORSE, YUKON

Location Map  
**NOON CLAIM GROUP**  
 1" to 40 mi.



NOON 2	NOON 1	NOON 20	NOON 19	NOON 38	NOON 37	NOON 56	NOON 55	NOON 74	NOON 73	NOON 92	NOON 91
YA48869	YA48868	YA48887	YA48886	YA48905	YA48904	YA48923	YA48922	YA48941	YA48940	YA48959	YA48958
4	3	22	21	40	39	58	57	76	75	94	93
YA48871	YA48870	YA48889	YA48888	YA48907	YA48906	YA48925	YA48924	YA48943	YA48942	YA48961	YA48960
6	5	24	23	42	41	60	59	78	77	96	95
YA48873	YA48872	YA48891	YA48890	YA48909	YA48908	YA48927	YA48926	YA48945	YA48944	YA48963	YA48962
8	7	26	25	44	43	62	61	80	79	98	97
YA48875	YA48874	YA48893	YA48892	YA48911	YA48910	YA48929	YA48928	YA48947	YA48946	YA48965	YA48964
10	9	28	27	46	45	64	63	82	81	100	99
YA48877	YA48876	YA48895	YA48894	YA48913	YA48912	YA48931	YA48930	YA48949	YA48948	YA48967	YA48966
12	11	30	29	48	47	66	65	84	83	102	101
YA48879	YA48878	YA48897	YA48896	YA48915	YA48914	YA48933	YA48932	YA48951	YA48950	YA48969	YA48968
14	13	32	31	50	49	68	67	86	85	104	103
YA48881	YA48880	YA48899	YA48898	YA48917	YA48916	YA48935	YA48934	YA48953	YA48952	YA48971	YA48970
16	15	34	33	52	51	70	69	88	87	106	105
YA48883	YA48882	YA48901	YA48900	YA48919	YA48918	YA48937	YA48936	YA48955	YA48954	YA48973	YA48972
NOON 18	NOON 17	NOON 36	NOON 35	NOON 54	NOON 53	NOON 72	NOON 71	NOON 90	NOON 89	NOON 108	NOON 107
YA48885	YA48884	YA48903	YA48902	YA48921	YA48920	YA48939	YA48938	YA48957	YA48956	YA48975	YA48974

**UNITED KENO HILL MINES LTD.**  
EXPLORATION DEPARTMENT  
WHITEHORSE — YUKON

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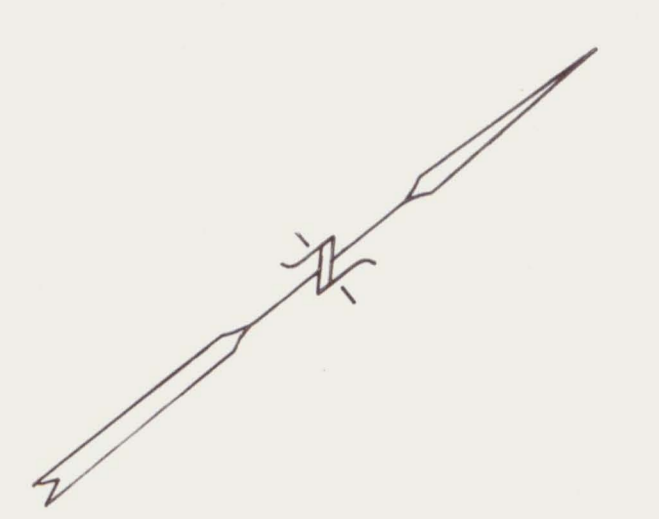
**NOON CLAIM GROUP**

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Mining District	Whitehorse
N.T.S. Sheet No.	115 - I - 7
Scale	1 inch = 1/2 mile

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Drawn by	R. E. V.	Date	19 / 9 / 80
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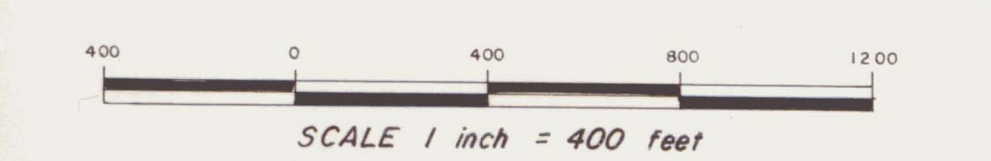
LEGEND

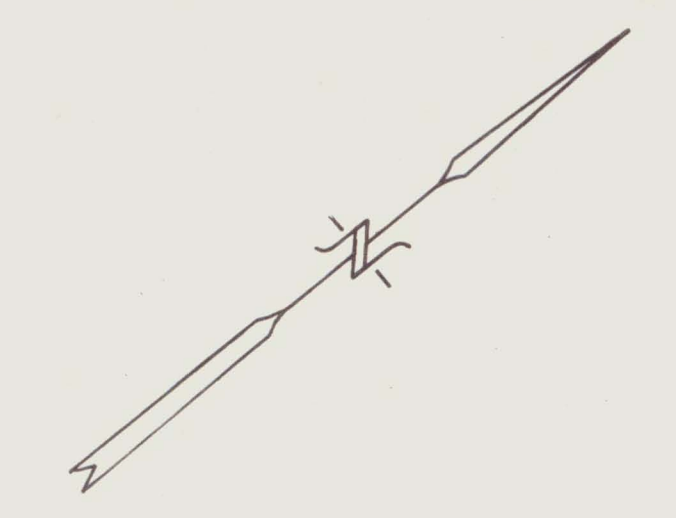
NOTE: Baselines 15+00 S, 44+50 S, 74+50 S, 103+00, 132+50 S are plotted relative to E150+50 S (assumed to be straight). Therefore, actual field locations may vary somewhat.

- Claim boundary
- Creek with flow direction
- Claim posts 1, 2, 4
- Camp site

UNITED KENO HILL MINES LTD  
 EXPLORATION DEPARTMENT WHITEHORSE, Y.T.  
**NOON CLAIM GROUP**  
 N.T.S. SHEET 115-I-7

PROPERTY LOCATION





LEGEND

- Pgdm porphyritic, medium to coarse grained biotite - hornblende granodiorite
- wfgdm weakly foliated granodiorite
- mfgdm moderately foliated granodiorite
- apl aplite
- peg pegmatite

- Geological Contact, defined, approximate, assumed
- Bedding
- Jointing
- Foliation
- Assay sample location with number
- Outcrop or Boulder No. with sample
- Outcrop, Floor Boulders
- Cut Trench
- Hand Trench
- Claim Group boundary
- Creek with flow direction
- Claim posts; 2, 4
- Camp site

UNITED KENO HILL MINES LTD  
 EXPLORATION DEPARTMENT WHITEHORSE, Y.T.  
 NOON CLAIM GROUP  
 N.T.S. SHEET 115 - I - 7

GEOLOGY

SCALE 1 inch = 400 feet

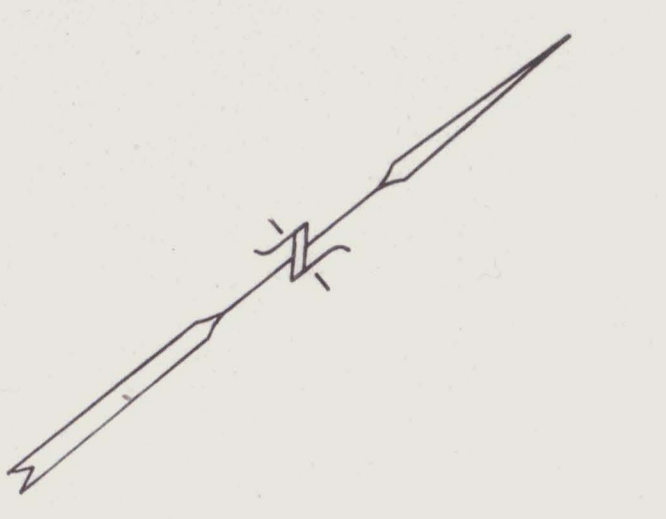
Drawn by J.H.R. Date Dec. 2/60



ASSAY RESULTS

Number	Depth	Fe	Pb	Zn	Cu	Mn
1430	1'	0.31	0.01	0.01		
1431	1'	0.31	0.01	0.01		
1432	1'	0.31	0.01	0.01		
1433	1'	0.31	0.01	0.01		
1434	1'	0.31	0.01	0.01		
1435	1'	0.31	0.01	0.01		
1436	1'	0.31	0.01	0.01		
1437	1'	0.31	0.01	0.01		
1438	1'	0.31	0.01	0.01		
1439	1'	0.31	0.01	0.01		
1440	1'	0.31	0.01	0.01		
1441	1'	0.31	0.01	0.01		
1442	1'	0.31	0.01	0.01		
1443	1'	0.31	0.01	0.01		
1444	1'	0.31	0.01	0.01		
1445	1'	0.31	0.01	0.01		
1446	1'	0.31	0.01	0.01		
1447	1'	0.31	0.01	0.01		
1448	1'	0.31	0.01	0.01		
1449	1'	0.31	0.01	0.01		
1450	1'	0.31	0.01	0.01		
1451	1'	0.31	0.01	0.01		
1452	1'	0.31	0.01	0.01		
1453	1'	0.31	0.01	0.01		
1454	1'	0.31	0.01	0.01		
1455	1'	0.31	0.01	0.01		
1456	1'	0.31	0.01	0.01		
1457	1'	0.31	0.01	0.01		
1458	1'	0.31	0.01	0.01		
1459	1'	0.31	0.01	0.01		
1460	1'	0.31	0.01	0.01		
1461	1'	0.31	0.01	0.01		
1462	1'	0.31	0.01	0.01		
1463	1'	0.31	0.01	0.01		
1464	1'	0.31	0.01	0.01		
1465	1'	0.31	0.01	0.01		
1466	1'	0.31	0.01	0.01		
1467	1'	0.31	0.01	0.01		
1468	1'	0.31	0.01	0.01		
1469	1'	0.31	0.01	0.01		
1470	1'	0.31	0.01	0.01		
1471	1'	0.31	0.01	0.01		
1472	1'	0.31	0.01	0.01		
1473	1'	0.31	0.01	0.01		
1474	1'	0.31	0.01	0.01		
1475	1'	0.31	0.01	0.01		
1476	1'	0.31	0.01	0.01		
1477	1'	0.31	0.01	0.01		
1478	1'	0.31	0.01	0.01		
1479	1'	0.31	0.01	0.01		
1480	1'	0.31	0.01	0.01		
1481	1'	0.31	0.01	0.01		
1482	1'	0.31	0.01	0.01		
1483	1'	0.31	0.01	0.01		
1484	1'	0.31	0.01	0.01		
1485	1'	0.31	0.01	0.01		
1486	1'	0.31	0.01	0.01		
1487	1'	0.31	0.01	0.01		
1488	1'	0.31	0.01	0.01		
1489	1'	0.31	0.01	0.01		
1490	1'	0.31	0.01	0.01		
1491	1'	0.31	0.01	0.01		
1492	1'	0.31	0.01	0.01		
1493	1'	0.31	0.01	0.01		
1494	1'	0.31	0.01	0.01		
1495	1'	0.31	0.01	0.01		
1496	1'	0.31	0.01	0.01		
1497	1'	0.31	0.01	0.01		
1498	1'	0.31	0.01	0.01		
1499	1'	0.31	0.01	0.01		
1500	1'	0.31	0.01	0.01		

WILLIAMS CREEK PROPERTY



LEGEND

Contour Intervals

□	30 - 59 p.p.m.
□	60 - 119 p.p.m.
□	120 + p.p.m.

--- Claim Group boundary  
 ~~~ Creek with flow direction  
 --- Claim posts; 2, 4  
 ◊ Camp site

UNITED KENO HILL MINES LTD  
 EXPLORATION DEPARTMENT WHITEHORSE, Y.T.  
 NOON CLAIM GROUP  
 N.T.S. SHEET 115-I-7

GEOCHEMISTRY  
 Copper Plot in p.p.m.

SCALE 1 inch = 400 feet

Drawn by: J.K.P. DWG.  
 Date: Dec. 5/80 No.



20+00 E

40+00 E

60+00 E

80+00 E

100+00 E

120+00 E

140+00 E

WILLIAMS CREEK PROPERTY

HOOCHKOD CREEK

20+00 N

40+00 N

60+00 N

80+00 N

100+00 N

120+00 N

20+00 W

40+00 W

60+00 W

80+00 W

100+00 W

120+00 W

20+00 S

40+00 S

60+00 S

80+00 S

100+00 S

120+00 S

20+00 E

40+00 E

60+00 E

80+00 E

100+00 E

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