

MAP NO.:
115 I 7

ASSESSMENT REPORT X
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 092854
MINING DISTRICT: Whitehorse
TYPE OF WORK: Percussion Drilling

REPORT FILED UNDER: United Keno Hill Mines Ltd.

DATE PERFORMED: July 6-18, 1989

DATE FILED: May 3, 1990

LOCATION: LAT.: 62° 25'N

AREA: Minto

LONG.: 137° 50'W

VALUE \$: 75 014.45

CLAIM NAME & NO.: STU 31-34 YA 8646 - YA 8649, STU 55-58 YA 8670 - YA 8673, STU 73 YA 8688, STU 75 YA 8690, STU 77-90 YA 8692 - YA 8705, STU 97-102 YA 8712 - YA 8716, STU 104 YA 8719, STU 106 YA 8721, STU 108 YA 8723, STU 121-122 YA 19722 - YA 19723, STU 123-131 YA 48707 - YA 48715, STU 142-151 YA 48726 - YA 48735, STU 156-157 YA 48740 - YA 48741, STU 170-188 YA 48976 - YA 48994

WORK DONE BY: D.J. Ouellette

WORK DONE FOR: United Keno Hill Mines Ltd.

DATE TO GOOD STANDING:

REMARKS: #65 STU Thirty percussion drill holes were completed totalling 5980 feet. The company's BBE-5701 drill was used to test the downdip extension of structures exposed by 1982 trenching. Hole SB-6 returned 0.71% Cu over 5 feet in trench 7400E. All other assays were much less.

indexed June 27/90

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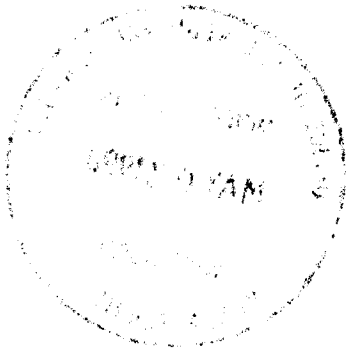
REPORT ON THE
1989 PERCUSSION DRILLING
OF THE
STU PROPERTY

092854

NTS Sheet 115I-11
Latitude 62° 25' N
Longitude 137° 50' W

Date: October 6, 1989
Written by: Dennis Ouellette
Senior Project Geologist





1954

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 75,014.95.

for *W. H. Page*
Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

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6 - Section SB-5 & SB-6	1 inch = 40 feet
7 - Section SB-7 TO SB-10	1 inch = 40 feet
8 - Section SB-11, 12 & 12A	1 inch = 40 feet
9 - Section SB-13 & SB-14	1 inch = 40 feet
10 - Section SB-15, 16 & 16B	1 inch = 40 feet
11 - Section SB-17	1 inch = 40 feet
12 - Section SC-1 & SC-2	1 inch = 40 feet
13 - Section SD-1 & SD-2	1 inch = 40 feet
14 - Section SD-3 & SD-4	1 inch = 40 feet
15 - Section SD-5 & SD-6	1 inch = 40 feet
16 - Section SD-7 & SD-8	1 inch = 40 feet

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Introduction

The STU claims were staked in January, 1977 to cover areas found to be anomalous in copper as determined by regional geochemical soil and stream silt samples collected during the 1976 Minto regional reconnaissance program. Work was done on the property for several years after staking including grid geochemical sampling, prospecting and mapping, trenching and diamond drilling.

One of the trenched areas on the STU group, Area 'A', was diamond drilled in 1980. Results of the drilling program were encouraging with some significant intersections of copper. In 1982 five areas on the claim group were trenched. It was recommended that two of the five areas trenched in 1982 be tested at depth by diamond drill.

The closure of the mines in Elsa freed up the company percussion drill for use elsewhere. The opportunity to use the drill was taken resulting in percussion drill testing of the HI, STU, NOON and DEF occurrences. This report deals with the percussion drilling program conducted on the STU claim group.

Summary

In the summer of 1989 the Company's BBE-5701 percussion drill was used to test three down dip extensions of structures exposed in the trenches on the STU claim group. Drilling was performed on STU 77, STU 98, STU 100 and STU 121. The drill was mobilized to the property by way of the Williams Creek road. No new trails were made in the process. Drilling of the 30 holes totalling 5,980 feet took 13 days from the 6th of July to the 18th of July. The crew consisted of two drillers and one cook/helper working one shift only.

The camp was serviced by helicopter out of Carmacks. The drill equipment consisted of the drill itself, a Gardner-Denver 750cfm compressor to run the drill, three 800 gallon fuel buggies and two D-7G Cats to transport the skid mounted equipment.

Samples were collected at five foot intervals in all the holes and boxed at the drill. The samples were air lifted to the highway and transported to the Bondar & Clegg Assay Laboratory in Whitehorse for copper assay.

Results were disappointing. Assays of the percussion chips reflected the chip samples taken from surface trenches indicating no increase in the size or grade of the structure at depth.

History

- In 1976 a regional reconnaissance soil sampling program was conducted in the area between the Williams Creek and the Minto deposits.
- In January of 1977 the STU claim group was staked to cover an area outlined as anomalous in copper.
- The property was grid soil sampled during the 1977 season. During this time more property to the south of the existing grid was acquired.
- Twenty-two miles of magnetometer and EM-16 survey were also completed in

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1977.

- Several zones were outlined from the work done in 1977. An IP survey was carried out over these most favourable zones in 1978.
- In 1979 sixteen bulldozer trenches were excavated across four separate geochemical anomalies.
- Twenty-eight diamond drill holes were completed on Grid 'A' in 1980 totalling 14,778 feet. Some high grade mineralization was encountered.
- The STU claims were included in the 3,696 line km of Dighe-II survey flown over the area in 1981.
- In 1982 thirteen trenches were excavated on five areas all in the southwest corner of the STU claim block.
- No further work was done on the property until the percussion drill program that this report deals with.

Location and Access

The STU claim group lies approximately 133 miles north-northwest of Whitehorse (figure 1) at latitude 62°25'N, longitude 136°50' W on N.T.S. sheet 115I-7.

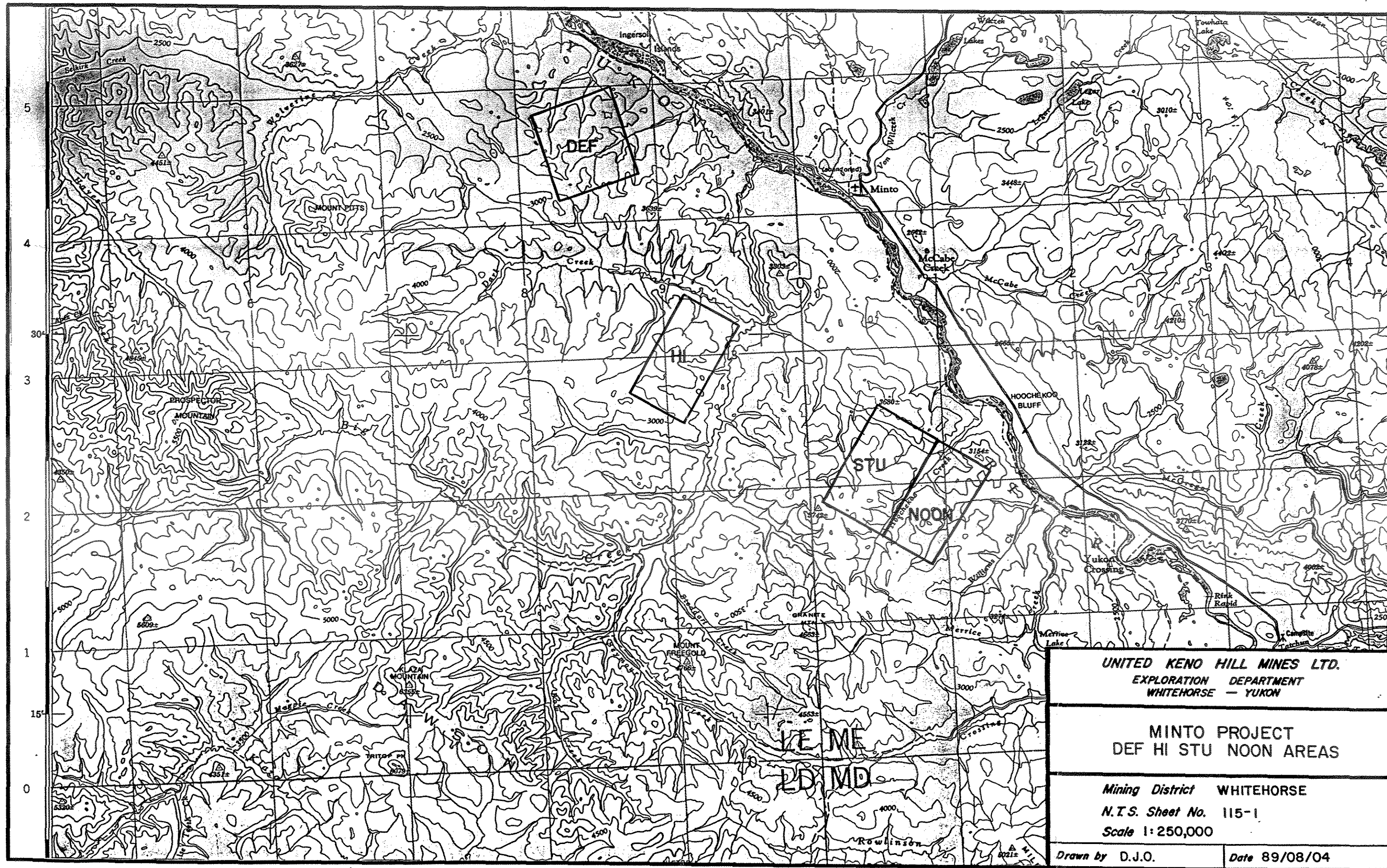
The drill and related equipment was mobilized to the area along existing trails established in the late seventies to access the Minto area off the Mt. Freegold road past the Williams Creek deposit. Fuel was transported to the site in 800 gallon shop built skid mounted buggies manufactured in Elsa. Additional fuel and weekly food was flown in from a staging area adjacent to the Klondike highway by helicopter. The helicopter was a Bell 206B Jet Ranger based in Carmacks at the Trans North Air helipad. Occasionally a helicopter from Whitehorse or Dawson was used because the Carmacks machine was on fire duty. More than 60 hours of helicopter time were used during the entire Minto program of which approximately 25% or 15 hours were used on the STU portion of the program.

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Property

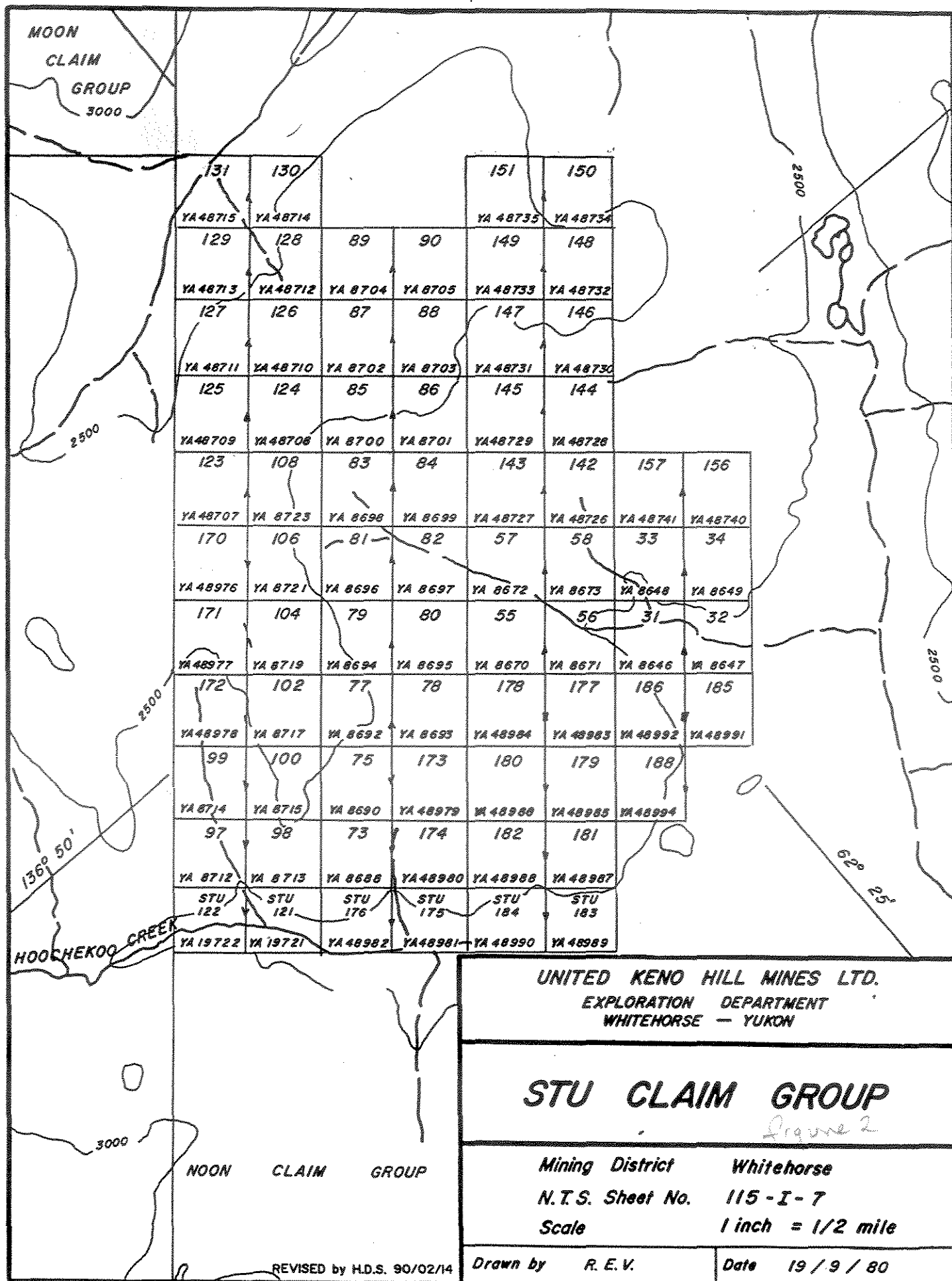
The size of the STU claim group has changed over the years as interest in the area waxed and waned. At the time of the 1989 percussion drill program the claim group consisted of 73 contiguous claims (figure 2).

<u>Claim</u> <u>Name</u>	<u>Claim</u> <u>Number</u>	<u>Grant</u> <u>Number</u>	<u>N.T.S.</u>	<u>Expiry</u> <u>Date</u>
STU	31	YA 8646	115 I/7	01-Feb-94
STU	32	YA 8647	115 I/7	01-Feb-95
STU	33	YA 8648	115 I/7	01-Feb-94
STU	31	YA 8646	115 I/7	01-Feb-94
STU	32	YA 8647	115 I/7	01-Feb-95
STU	33	YA 8648	115 I/7	01-Feb-94
STU	34	YA 8649	115 I/7	01-Feb-95
STU	55	YA 8670	115 I/7	01-Feb-93
STU	56	YA 8671	115 I/7	01-Feb-94
STU	57	YA 8672	115 I/7	01-Feb-94
STU	58	YA 8673	115 I/7	01-Feb-94
STU	73	YA 8688	115 I/7	01-Feb-95
STU	75	YA 8690	115 I/7	01-Feb-95
STU	77	YA 8692	115 I/7	01-Feb-95
STU	78	YA 8693	115 I/7	01-Feb-93
STU	79	YA 8694	115 I/7	01-Feb-94
STU	80	YA 8695	115 I/7	01-Feb-94
STU	81	YA 8696	115 I/7	01-Feb-95
STU	82	YA 8697	115 I/7	01-Feb-95
STU	83	YA 8698	115 I/7	01-Feb-95
STU	84	YA 8699	115 I/7	01-Feb-95
STU	85	YA 8700	115 I/7	01-Feb-95
STU	86	YA 8701	115 I/7	01-Feb-95
STU	87	YA 8702	115 I/7	01-Feb-95
STU	88	YA 8703	115 I/7	01-Feb-95
STU	89	YA 8704	115 I/7	01-Feb-93
STU	90	YA 8705	115 I/7	01-Feb-94
STU	97	YA 8712	115 I/7	01-Feb-95
STU	98	YA 8713	115 I/7	01-Feb-95
STU	99	YA 8714	115 I/7	01-Feb-93
STU	100	YA 8715	115 I/7	01-Feb-93
STU	102	YA 8716	115 I/7	01-Feb-93
STU	104	YA 8719	115 I/7	01-Feb-93
STU	106	YA 8721	115 I/7	01-Feb-93
STU	108	YA 8723	115 I/7	01-Feb-93
STU	121	YA 19722	115 I/7	12-Sep-91
STU	122	YA 19723	115 I/7	12-Sep-91
STU	123	YA 48707	115 I/7	06-May-90
STU	124	YA 48708	115 I/7	06-May-90
STU	125	YA 48709	115 I/7	06-May-90
STU	126	YA 48710	115 I/7	06-May-90
STU	127	YA 48711	115 I/7	06-May-90
STU	128	YA 48712	115 I/7	06-May-90
STU	129	YA 48713	115 I/7	06-May-90
STU	130	YA 48714	115 I/7	06-May-90



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STU	131	YA	48715	115	I/7	06-May-90
STU	142	YA	48726	115	I/7	06-May-90
STU	143	YA	48727	115	I/7	06-May-90
STU	144	YA	48728	115	I/7	06-May-90
STU	145	YA	48729	115	I/7	06-May-90
STU	146	YA	48730	115	I/7	06-May-90
STU	147	YA	48731	115	I/7	06-May-90
STU	148	YA	48732	115	I/7	06-May-90
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STU	156	YA	48740	115	I/7	06-May-90
STU	157	YA	48741	115	I/7	06-May-90
STU	170	YA	48976	115	I/7	23-May-90
STU	171	YA	48977	115	I/7	23-May-90
STU	172	YA	48978	115	I/7	23-May-90
STU	173	YA	48979	115	I/7	23-May-90
STU	174	YA	48980	115	I/7	23-May-90
STU	175	YA	48981	115	I/7	23-May-90
STU	176	YA	48982	115	I/7	23-May-90
STU	177	YA	48983	115	I/7	23-May-90
STU	178	YA	48984	115	I/7	23-May-90
STU	179	YA	48985	115	I/7	23-May-90
STU	180	YA	48986	115	I/7	23-May-90
STU	181	YA	48987	115	I/7	23-May-90
STU	182	YA	48988	115	I/7	23-May-90
STU	183	YA	48989	115	I/7	23-May-90
STU	184	YA	48990	115	I/7	23-May-90
STU	185	YA	48991	115	I/7	23-May-90
STU	186	YA	48992	115	I/7	23-May-90
STU	188	YA	48994	115	I/7	23-May-90



Geology

1) Regional Geology

The area was first mapped by Bostock in 1936. Templeman-Kluit (1973) describes the region to be within the Yukon Crystalline Terrane, a region of metamorphic and plutonic rocks in the axial zone of the northern Canadian Cordillera. The metamorphic rocks are largely metavolcanic and metaplutonic and are Devonian to Mississippian in age. Metamorphism to the Upper Greenschist to Lower Amphibolite facies probably occurred during the Triassic.

Plutonic rocks range in age from Triassic to Tertiary and vary from quartz diorite to alaskite (Pearson and Clark, 1979). The most extensive suite of plutonic rocks is the Klotassin Suite which constitutes the wall rocks of the DEF-Minto deposits. The rocks consist of biotite-hornblende granodiorite to quartz monzonite and are typically granitic in character but weak to moderate foliation is present. Plutons of the Klotassin Suite display steeply dipping contacts which are parallel to the foliation in enclosing rocks.

The Klotassin Suite age has been inferred to be Upper Triassic (Templeman-Kluit, 1976). Clasts of granitic material are present in the Lower to Middle Jurassic Laberge Group in the Whitehorse Trough. U-Pb dating of zircons yielded an age of 203 m.y.

Three periods of volcanism occurred in the area emplacing the Nansen, Carmacks and Selkirk Groups. Sub-aerial volcanics of the Mt. Nansen Group consist of black weathering dark green, red or purple calc-alkaline andesites with massive tuff and tuff breccia. They have been interpreted to be of Eocene age (Pearson and Clark, 1979). Eocene to Pleistocene volcanism emplaced the Carmacks Group of sub-aerial volcanics while Pleistocene to Recent volcanism emplaced the Selkirk Group.

2) Local Geology

The local geology has been described sufficiently by K. W. Watson and R. J. Joy in previous reports (Watson, Joy; 1977). The following is a summary based on those reports.

General:

Silica-rich rocks predominate over silica-poor rocks which underlie the STU claim group. They are medium to coarse grained, massive to moderately porphyritic, and generally granodioritic in composition. The granodiorite is weakly to strongly foliated in places. Silica-poor rocks on the property are represented by small areas of fine and coarse grained dioritic and gabbroic rocks. Some areas of felsite, probably syenitic in composition, were noted.

A few lenses(?) or horizons of quartz-feldspar-biotite gneiss were observed. These gneisses are similar to those found on the DEF and Williams Creek deposits. Foliations trend northwest and are steeply dipping.

Later aplitic and pegmatitic dykes cut the intrusive, as do volcanics of the Carmacks Group. These volcanics also overlay the intrusive.

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Detailed:

- Unit gdm

Medium grained, porphyritic granodiorite to quartz monzonite.

- Unit fcdm

Foliated gdm with a slightly higher mafic content. Weakly to strongly foliated.

- Unit gn

Quartz-feldspar-biotite gneiss. Fine to medium grained, moderate to strong foliation or banding. Extreme variation in mafic content. These rocks host the mineralization on the STU claims.

- Unit Di and Gb

Dark coloured, fine to medium grained.

- Unit fel

Closely associated with Unit gdm. Mafic poor, med. to fine grained, and syenitic in composition.

- Unit eTCv

Carmacks Group Volcanics. Porphyritic and aphanitic, basic to intermediate, flows and tuff breccias.

- Units ap, peg, and mgr

Aplites are white to pinkish, fine to med. grained with <1% mafics(bio). Exhibits a sucrosic texture.

Pegmatites are coarse grained and pinkish white to white in colour.

The microgranite is white to gray-white with biotite, the only mafic, at 5 to 8%. Biotite often exhibits a preferred orientation parallel to the contact with the granodiorite. Contact with the granodiorite is sharp but is gradational with the aplite.

Structure:

Predominant foliation in the area trends northwest with a steep southwest dip in the northern portion of the property and a steep northeast dip in the southern portions of the claim group.

Contacts where observed also have a northwest trend with the exception of the diorite\granodiorite contact which appeared to trend northeast. Most of the aplites, pegmatites and microgranite occurrences trend northwest.

Mineralization:

Weak copper mineralization occurs as malachite in gneissic and strongly foliated rocks. The malachite is generally associated with the biotite or occurs along fracture surfaces. Three separate zones containing malachite were observed.

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Induced polarization surveys were conducted over the three zones followed by trenching with a bulldozer. The best of the three zones were diamond drilled in 1980. Though no reserves could be calculated because of the complexities apparent in the sections, intersections of mineralization of 45 feet grading >3% copper were encountered (Joy, 1980).

The mineralized zones trend northwest and dip moderately to the northeast. Superimposed on the main mineralized zone is a north trending zone of intense alteration (Watson, Joy; 1977).

Mineralization in the trenches of the current percussion drill program were not as great as those in the previously diamond drilled region to the north. The mineralization occurs as malachite and azurite in strongly foliated gneissic zones. The best trenched intersection reported prior to diamond drilling was 0.19% Cu across 50 feet (Joy, 1979), whereas the best intersection in the trenches which were percussion drilled was trace to 2% malachite over 0.5 meter gneissic zones (Watson, 1982).

Results

All of the 1989 drilling took place within the trenches excavated in 1979 and 1982. The average footage per day was 498 feet. This figure does not include the nine days required to move to the STU claim block from HI. The drilling went quite well. Only one problem arose from the STU drilling. The rock drill oil being used for the program was winter weight. This caused overheating of the hammer assembly resulting in piston and cylinder scouring. A new drum of oil was ordered from Century Oil in Vancouver. The new summer weight oil proved to be very effective during the hot Minto days.

Results of the drilling were disappointing. The highest assay return was 0.71%Cu over 5 feet from hole SB-6. All other assays were much less.

Conclusions and Recommendations

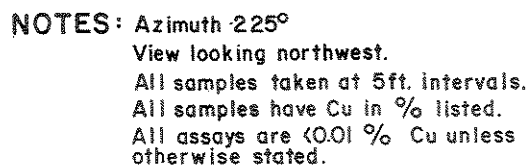
The best intersection was 0.71% Cu over 5 feet in hole number SB-6 in trench 7400E. The trench was excavated in 1979. The sample represents a zone mapped as granodiorite with sections of foliated granodiorite. No malachite was noted in the trench at this location and the material was not sampled. This sample represents the best single assay return of the entire 1989 Minto percussion drill program.

The results of the program would indicate that the soil anomalies in the area are representing numerous narrow foliated, parallel structures of highly variable amounts of copper mineralization. It could be postulated that significant mineralization occurs in areas where these narrow structures coalesce, perhaps in conjunction with a cross structure. Area 'A' may be an example of this theory.

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It is recommended that all of the data presently available for the STU area be re-evaluated keeping in mind the following facts.

- 1) The DEF deposit is located under overburden and is not exposed in trenches
- 2) The DEF deposit proper did not have an extraordinary soil geochemical profile.
- 3) The DEF deposit appears to be a number of horizontal foliated zones coalescing into a single area of greater thickness and grade. The edges of the deposit to the south appear to narrow considerably.
- 4) The DEF deposit abuts a major fault at its north end.
- 5) The STU Area 'A' zone appears structurally complex. Grades were good but the zones were reported as discontinuous along strike and down dip.
- 6) Large areas of the STU group are covered by thick overburden.
- 7) All of the known showings are located on or along ridges where the overburden is thin or nonexistent.
- 8) East-west cross structures are represented by drainages and valleys in those directions.



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EXPLORATION DEPARTMENT
WHITEHORSE - YUKON

STU CLAIMS
DRILL SECTION SB-1 & SB-2

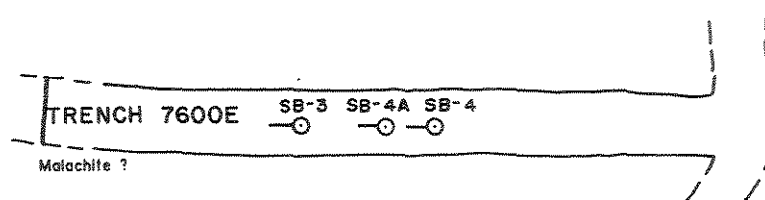
Mining District WHITEHORSE

N.T.S. Sheet No. 115-177

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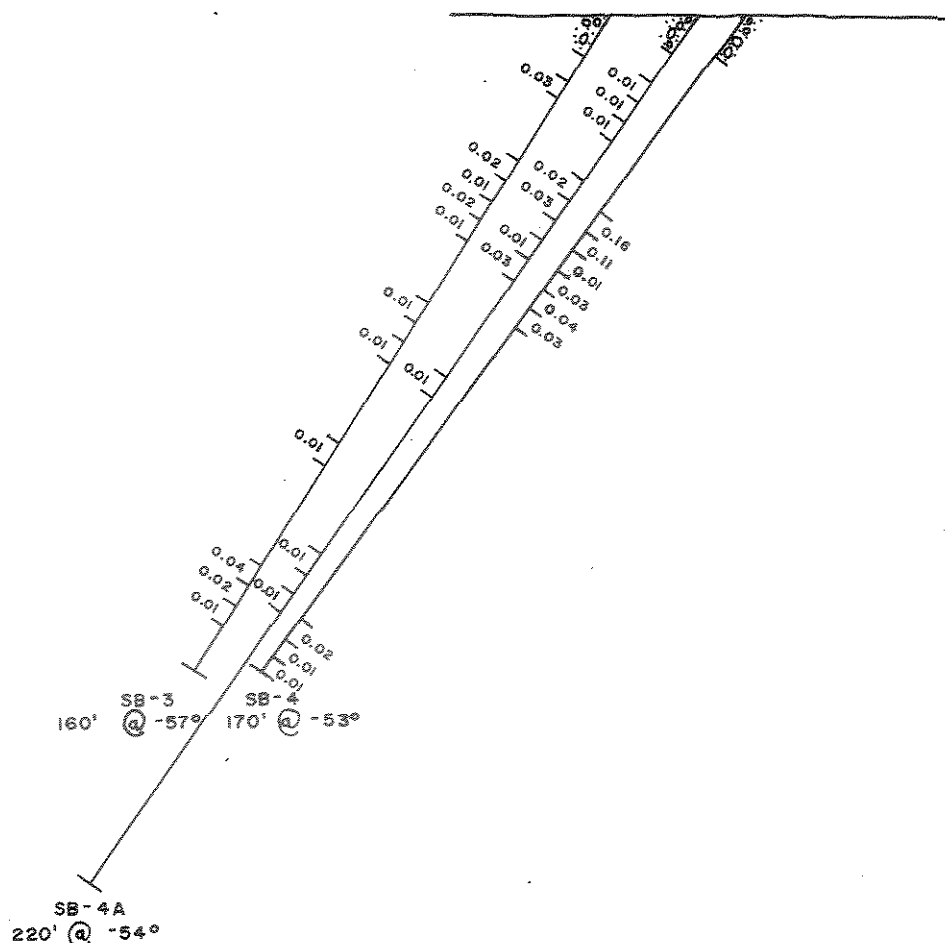
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Date 89/09/25



PLAN VIEW

SECTION VIEW



NOTES: Azimuth 225°
View looking northwest.
All samples taken at 5ft. intervals.
All samples have Cu in % listed.
All assays are <0.01 % Cu unless
otherwise stated.

SCALE



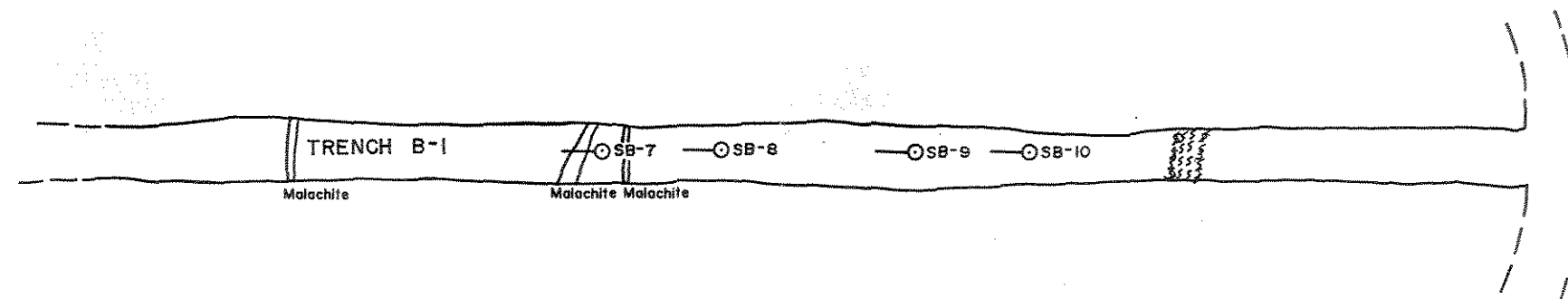
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EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

STU CLAIMS
DRILL SECTION SB-3,4,4A

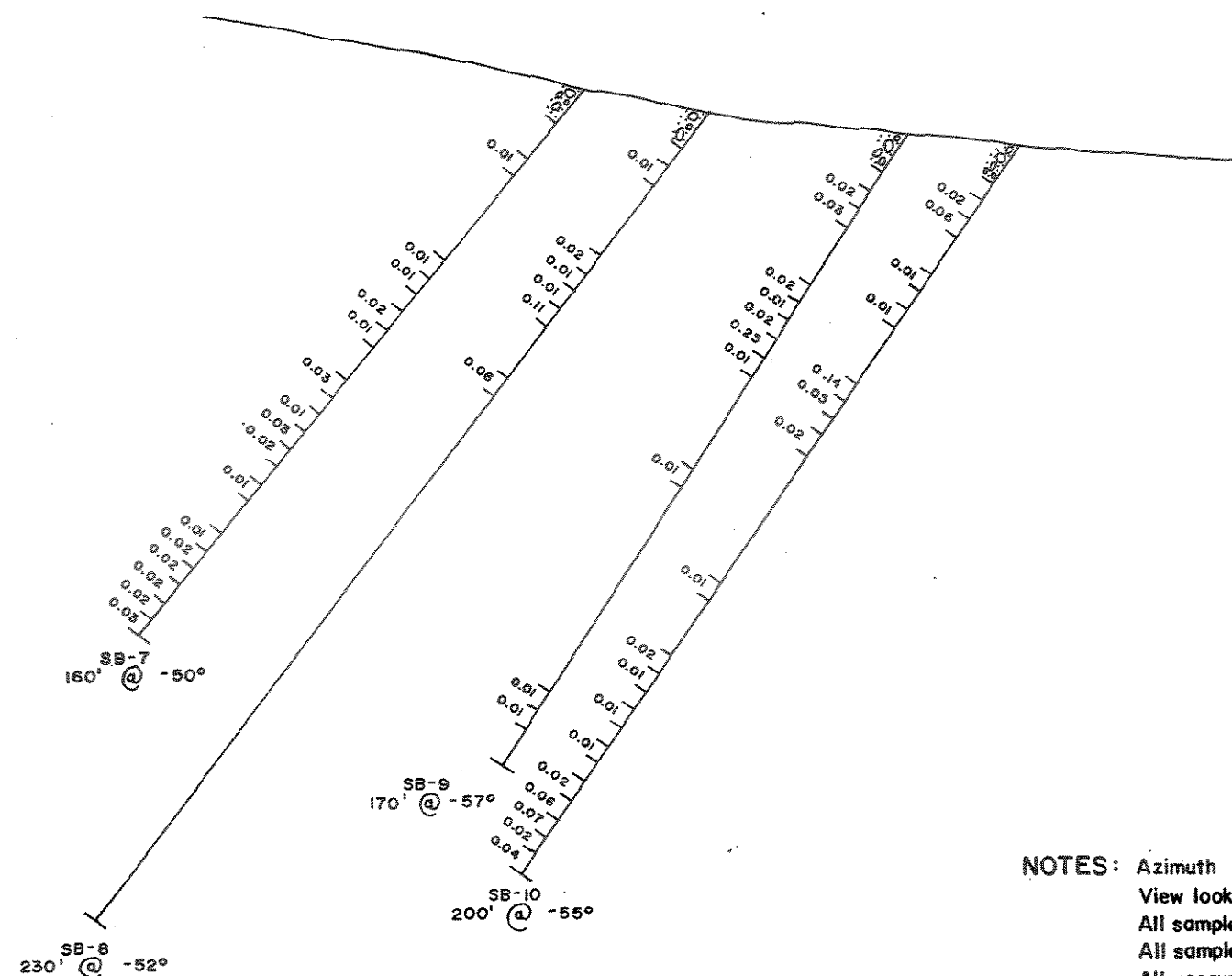
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N.T.S. Sheet No. 115-1/7
Scale 1" = 40'

Drawn by H.D.S.

Date 89/09/25



PLAN VIEW
SECTION VIEW



NOTES: Azimuth 225°
View looking northwest.
All samples taken at 5ft. intervals.
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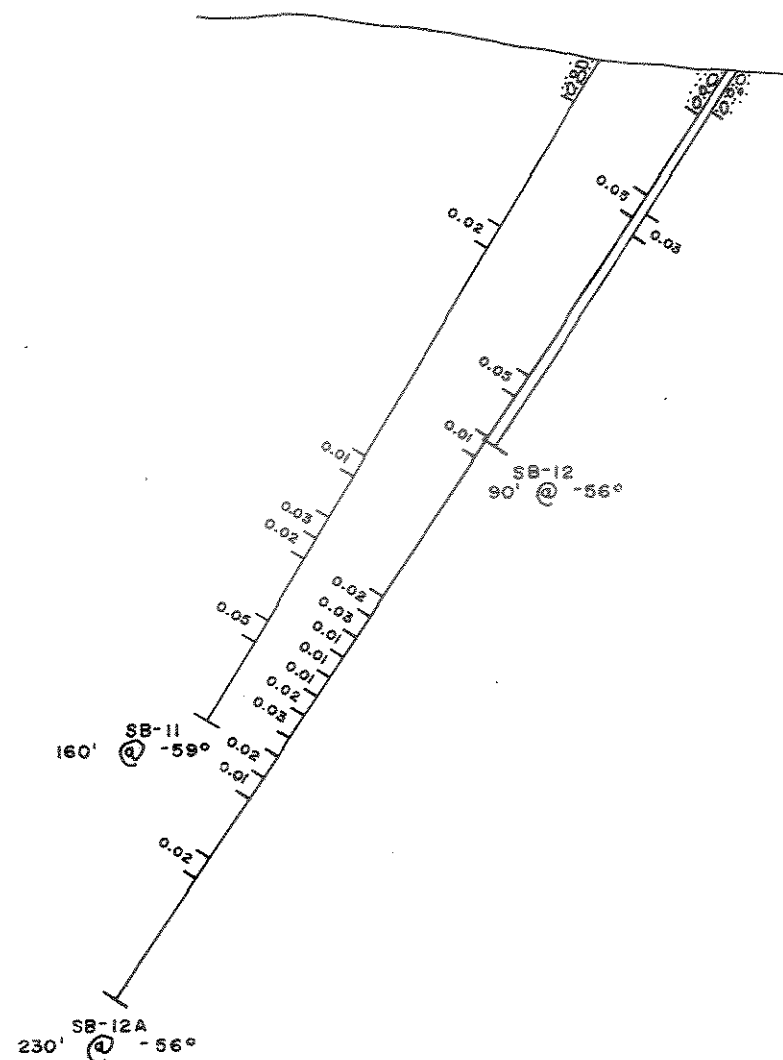
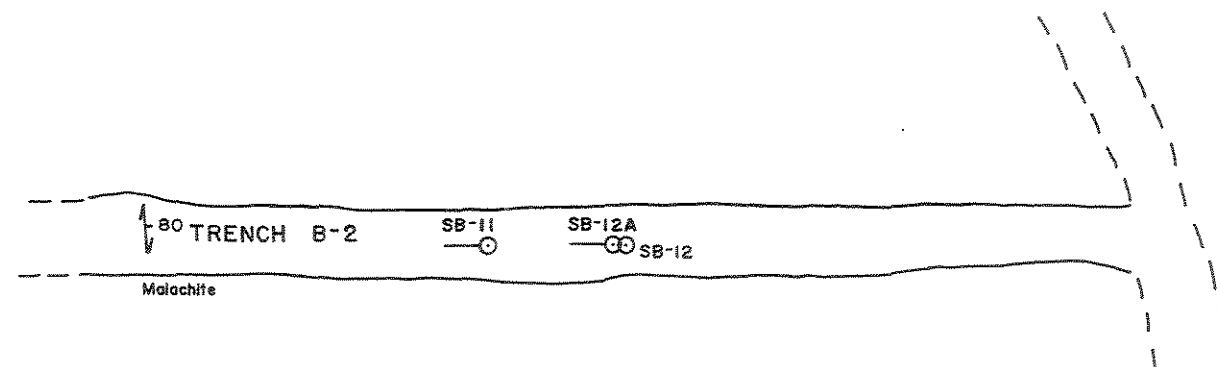
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EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

STU CLAIMS
DRILL SECTION SB-7 to SB-10

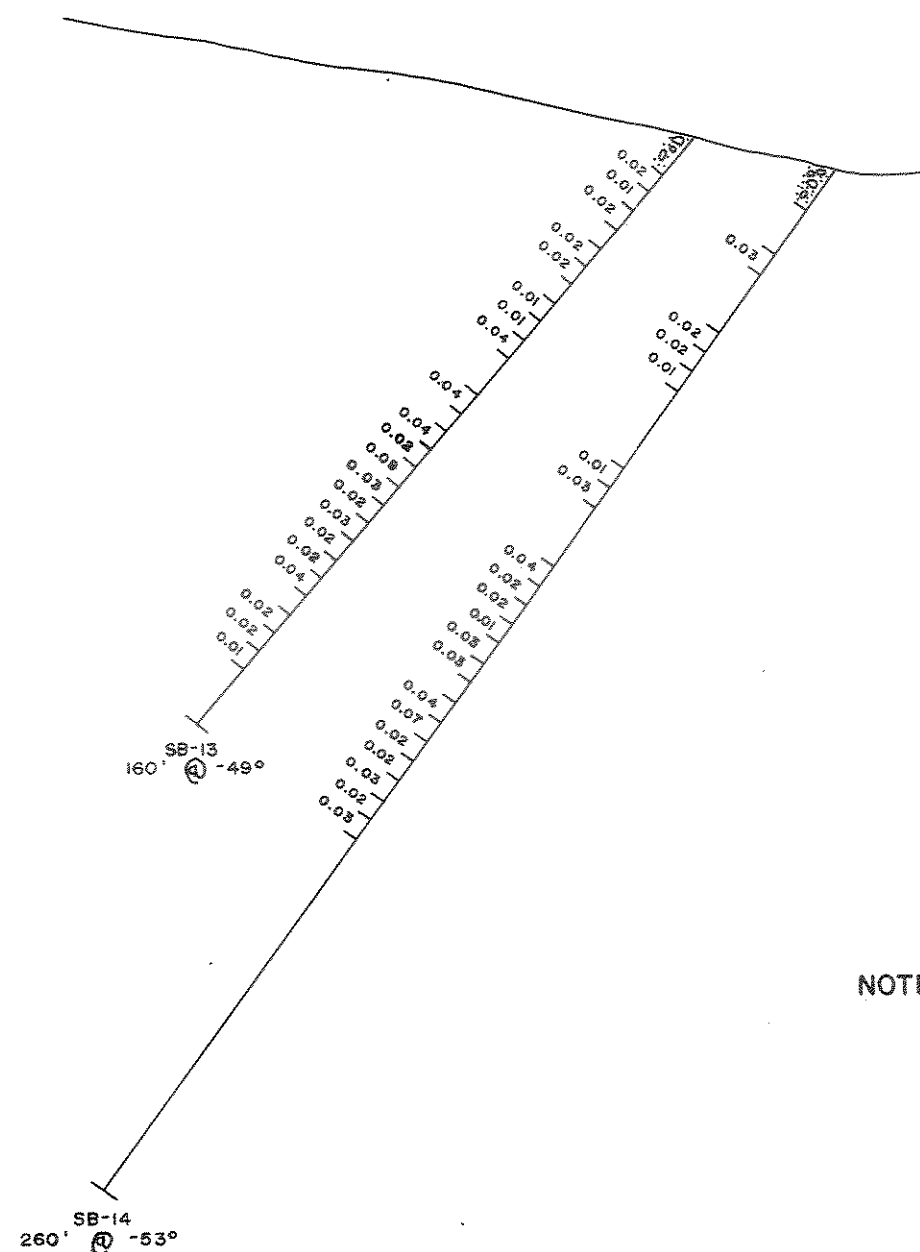
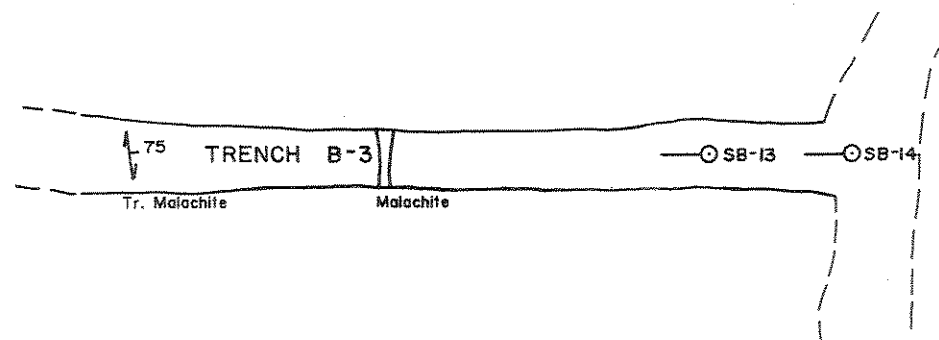
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Scale 1" = 40'

Drawn by K.J.H.

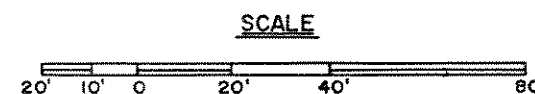
Date 89/10/18



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EXPLORATION DEPARTMENT
WHITEHORSE — YUKON



NOTES: Azimuth 225°
View looking northwest.
All samples taken at 5ft. intervals.
All samples have Cu in % listed.
All assays are <0.01 % Cu
unless otherwise stated.



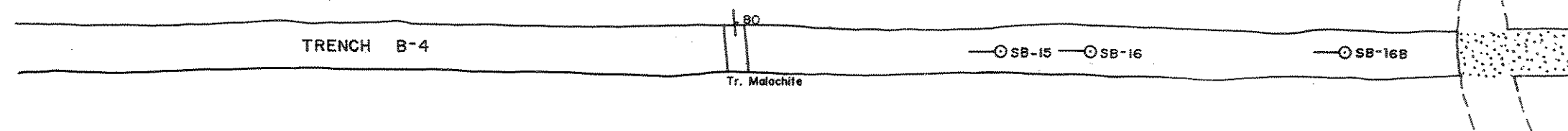
UNITED KENO HILL MINES LTD.
EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

STU CLAIMS
DRILL SECTION SB-13 & SB-14

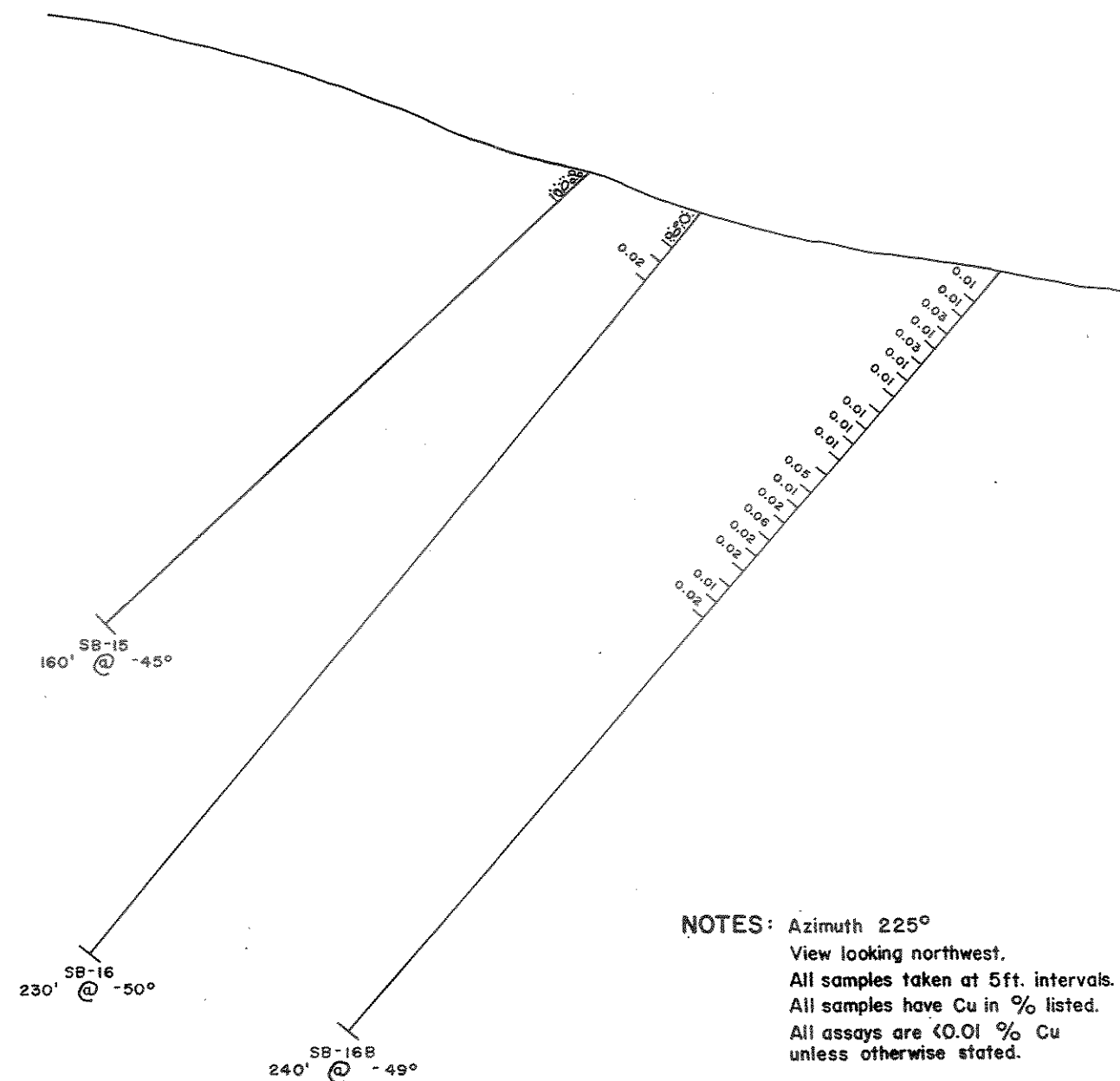
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N.T.S. Sheet No. 115-1/7
Scale 1" = 40'

Drawn by K.J.H.

Date 89/10/18

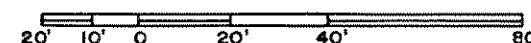


PLAN VIEW
SECTION VIEW



NOTES: Azimuth 225°
View looking northwest.
All samples taken at 5ft. intervals.
All samples have Cu in % listed.
All assays are <0.01 % Cu
unless otherwise stated.

SCALE



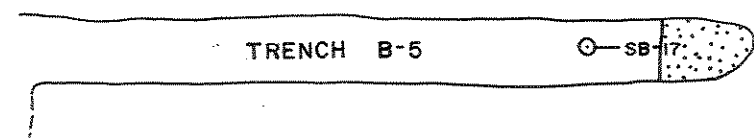
UNITED KENO HILL MINES LTD.
EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

STU CLAIMS
DRILL SECTION SB-15,16,16B

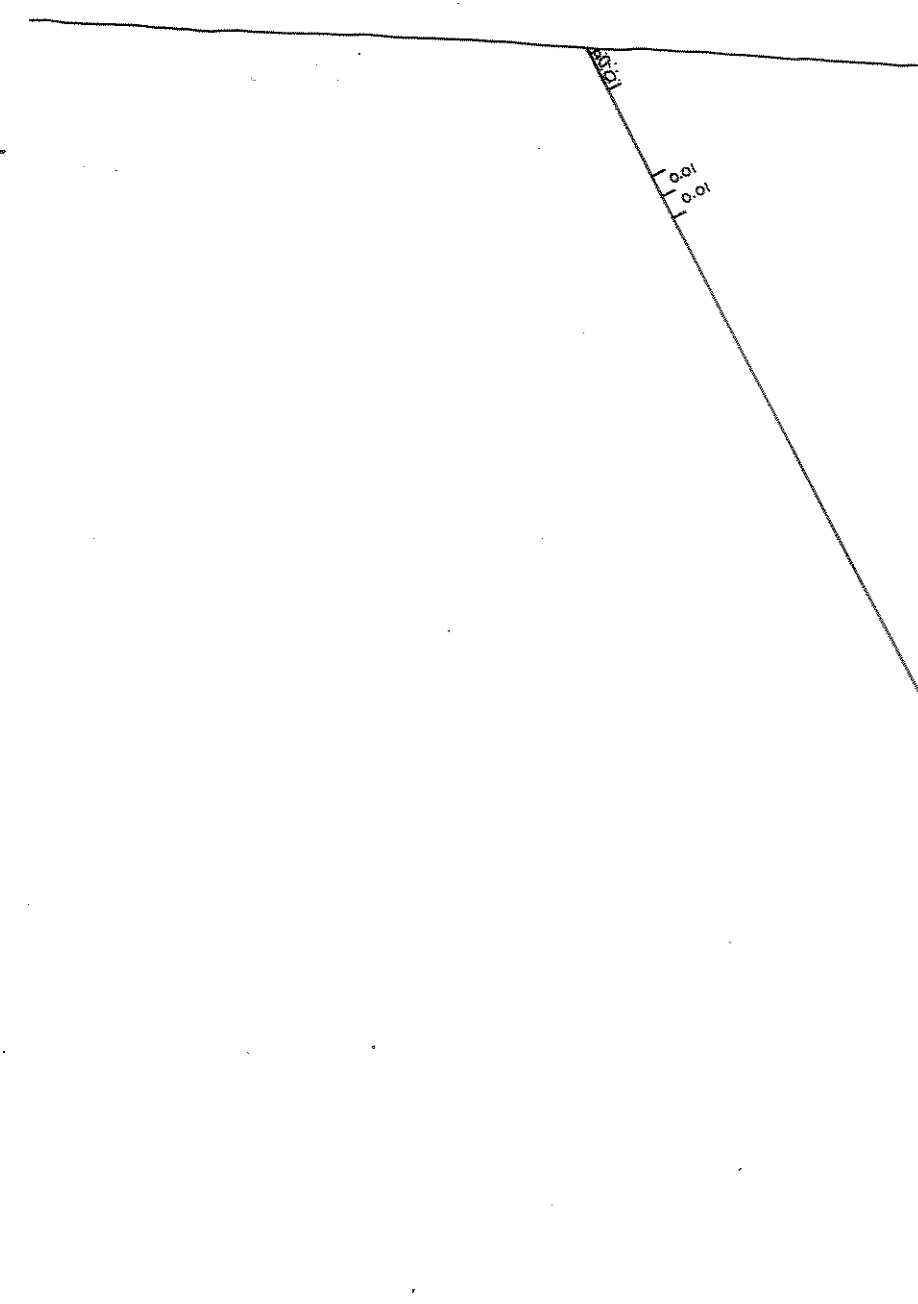
Mining District WHITEHORSE
N.T.S. Sheet No. 115-1/7
Scale 1" = 40'

Drawn by K.J.H.

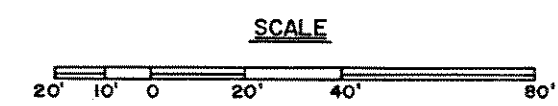
Date 89/10/18



PLAN VIEW
SECTION VIEW



NOTES: Azimuth 225°
View looking northwest.
All samples taken at 5ft. intervals.
All samples have Cu in % listed.
All assays are <0.01 % Cu
unless otherwise stated.

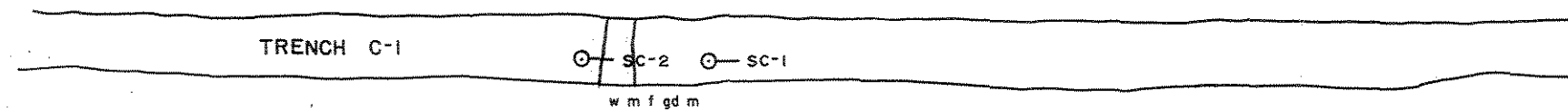


UNITED KENO HILL MINES LTD.
EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

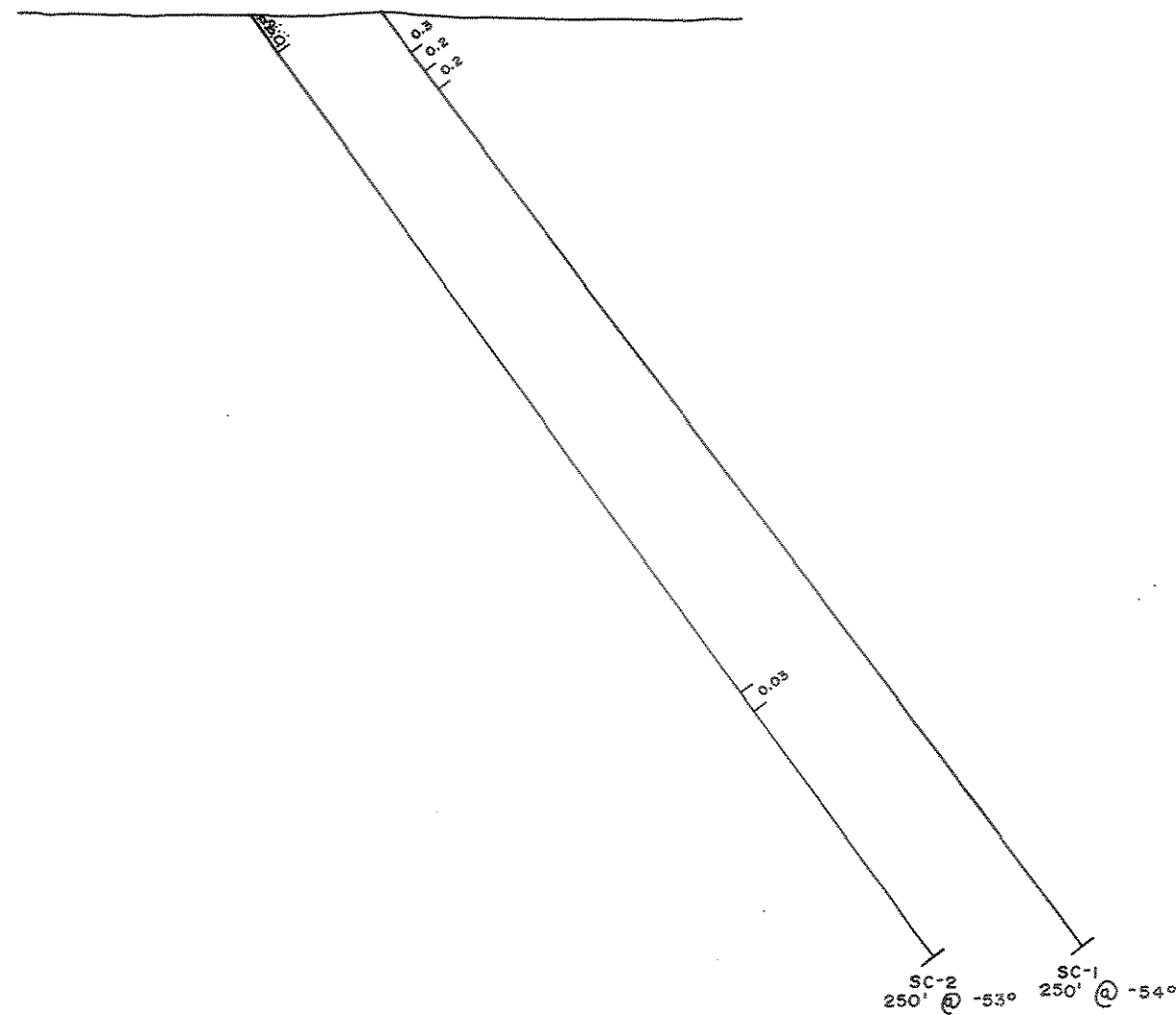
STU CLAIMS
DRILL SECTION SB-17

Mining District WHITEHORSE
N.T.S. Sheet No. 115-1/7
Scale 1" = 40'

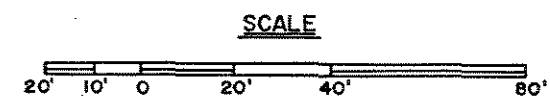
Drawn by K.J.H. Date 89/10/18



PLAN VIEW
SECTION VIEW



NOTES: Azimuth 225°
View looking northwest.
All samples taken at 5ft. intervals.
All samples have Cu in % listed.
All assays are <0.01 % Cu
unless otherwise stated.



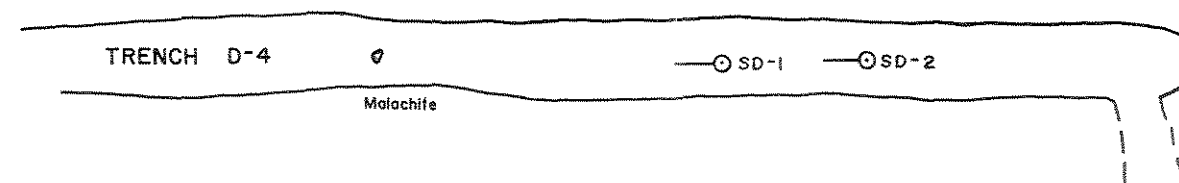
UNITED KENO HILL MINES LTD.
EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

STU CLAIMS
DRILL SECTION SC-1 & SC-2

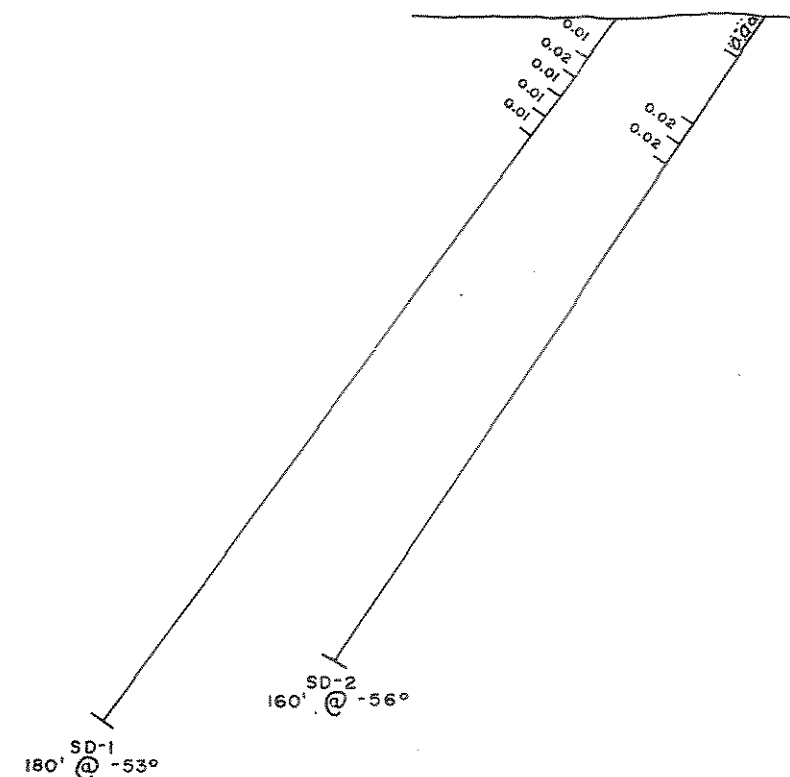
Mining District WHITEHORSE
N.T.S. Sheet No. 115-1/7
Scale 1" = 40'

Drawn by K.J.H.

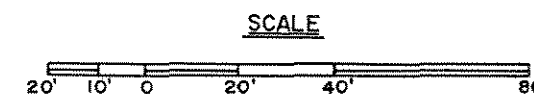
Date 89/10/18



PLAN VIEW
SECTION VIEW



NOTES: Azimuth 225°
View looking northwest.
All samples taken at 5ft. intervals.
All samples have Cu in % listed.
All assays are <0.01 % Cu
unless otherwise stated.



UNITED KENO HILL MINES LTD.
EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

STU CLAIMS
DRILL SECTION SD-1, SD-2

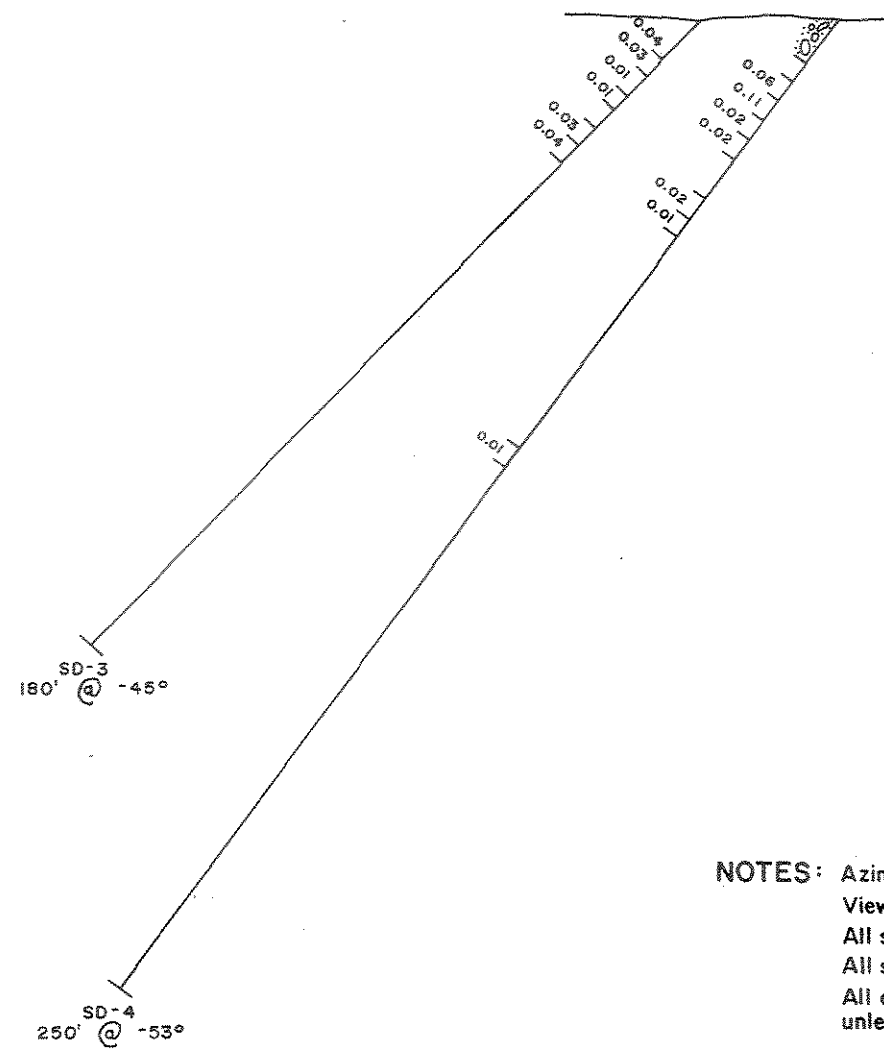
Mining District WHITEHORSE
N.T.S. Sheet No. 115-1/7
Scale 1" = 40'

Drawn by K.J.H.

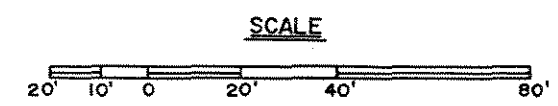
Date 89/10/18



PLAN VIEW
SECTION VIEW



NOTES: Azimuth 225°
View looking northwest.
All samples taken at 5ft. intervals.
All samples have Cu in % listed.
All assays are <0.01 % Cu
unless otherwise stated.

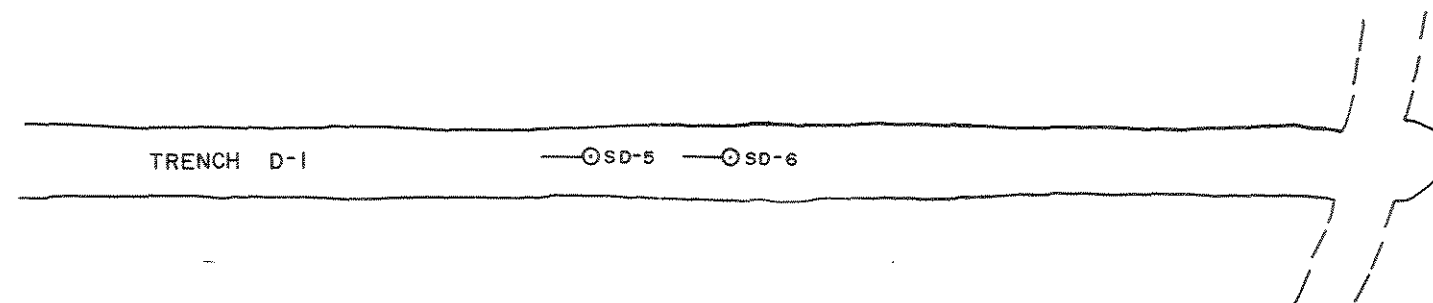


UNITED KENO HILL MINES LTD.
EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

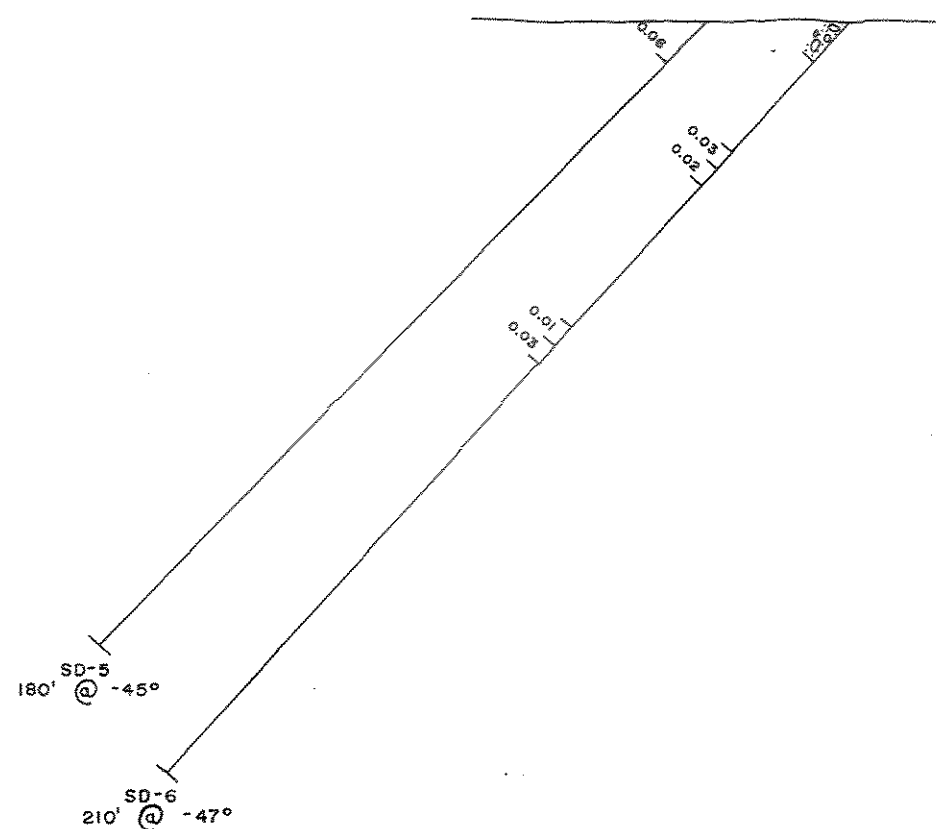
STU CLAIMS
DRILL SECTION SD-3, SD-4

Mining District WHITEHORSE
N.T.S. Sheet No. 115-1/7
Scale 1" = 40'

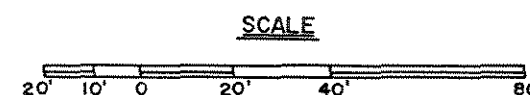
Drawn by K.J.H. Date 89/10/18



PLAN VIEW
SECTION VIEW



NOTES: Azimuth 225°
View looking northwest.
All samples taken at 5ft. intervals.
All samples have Cu in % listed.
All assays are <0.01 % Cu
unless otherwise stated.



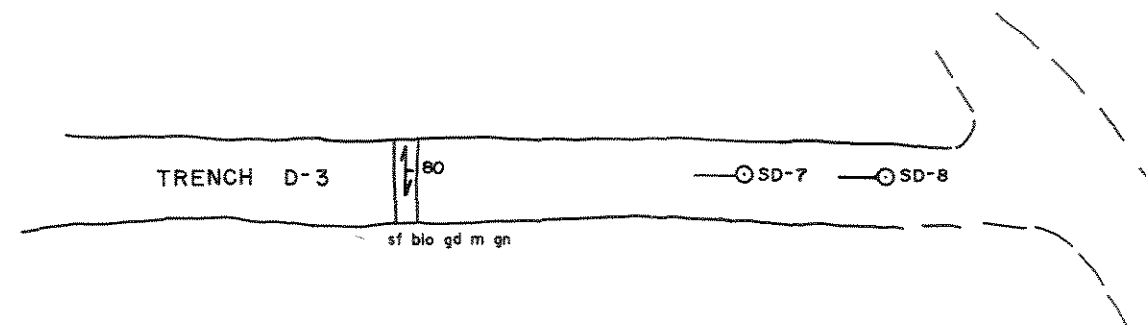
UNITED KENO HILL MINES LTD.
EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

STU CLAIMS
DRILL SECTION SD-5, SD-6

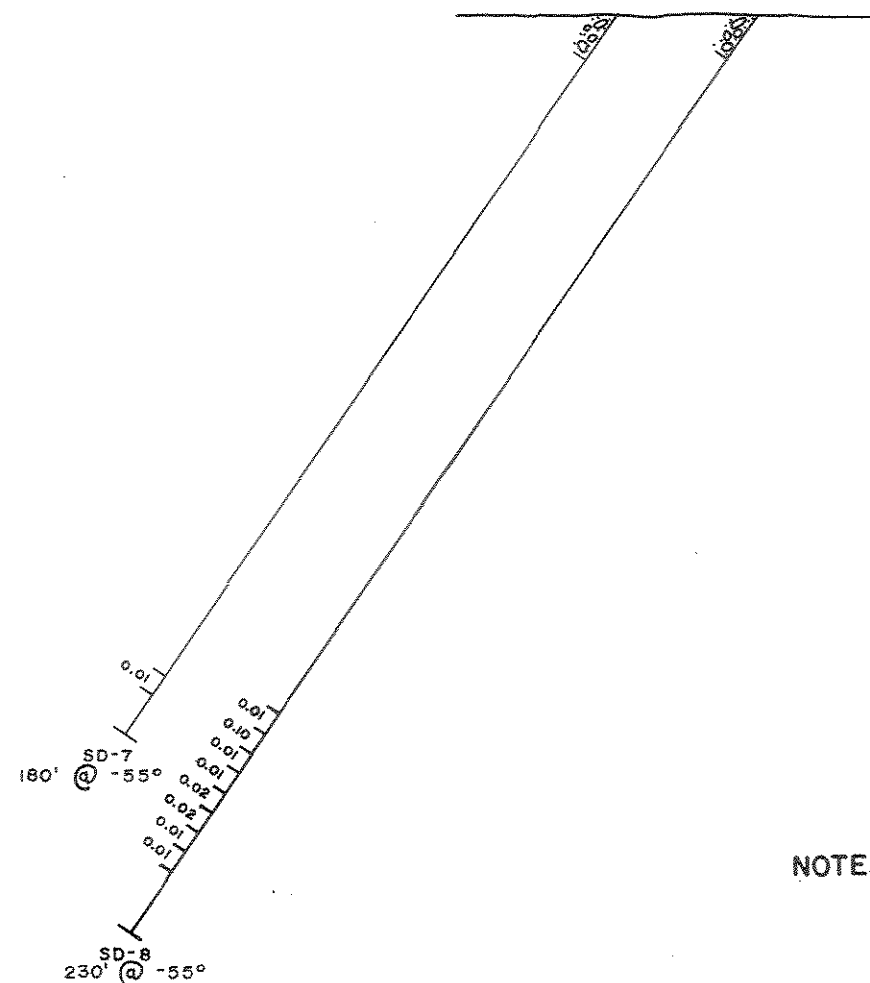
Mining District WHITEHORSE
N.T.S. Sheet No. 115-1/7
Scale 1" = 40'

Drawn by K.J.H.

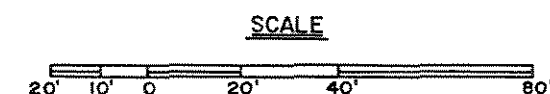
Date 89/10/18



PLAN VIEW
SECTION VIEW



NOTES: Azimuth 225°
View looking northwest.
All samples taken at 5ft. intervals.
All samples have Cu in % listed.
All assays are <0.01 % Cu
unless otherwise stated.



UNITED KENO HILL MINES LTD.
EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

STU CLAIMS
DRILL SECTION SD-7, SD-8

Mining District WHITEHORSE
N.T.S. Sheet No. 115-1/7
Scale 1" = 40'

Drawn by K.J.H.

Date 89/10/18

APPENDIX A
ASSAY SHEETS



Certificate of Analysis

TO _____

United Keno Hill Mines

REPORT NO. W89-04323.4

DATE July 24, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples

Page 1

MARKED	%									
	Cu									
18030	LO.01									
18031	LO.01									
18032	0.01									
18033	0.01									
18034	LO.01									
18035	LO.01									
18036	0.02									
18037	0.01									
18038	0.02									
18039	LO.01									
18040	0.01									
18041	LO.01									
18042	LO.01									
18043	0.02									
18044	LO.01									
18045	0.01									
18046	LO.01									
18047	0.01									
18048	0.01									
18049	0.02									

BONDAR-CLEGG & COMPANY LTD.



Certificate of Analysis

TO _____
United Keno Hill Mines

REPORT NO. W89-04323.4
DATE July 24, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described .. percussion samples

Page 2

MARKED	%									
	Cu									
18050	L0.01									
18051	L0.01									
18052	L0.01									
18053	0.03									
18054	L0.01									
18055	L0.01									
18056	L0.01									
18057	L0.01									
18058	L0.01									
18059	L0.01									
18060	L0.01									
18061	L0.01									
18062	L0.01									
18063	L0.01									
18064	L0.01									
18065	0.01									
18066	L0.01									
18067	L0.01									
18068	L0.01									
18069	L0.01									

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Certificate of Analysis

TO _____
United Keno Hill Mines

REPORT NO. W89-04323.4

DATE July 24, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described .. percussion..... samples Page 3

MARKED	%									
	Cu									
18070	0.03									
18071	0.01									
18072	LO.01									
18073	0.02									
18074	0.04									
18075	0.02									
18076	0.02									
18077	LO.01									
18078	0.01									
18079	LO.01									
18080	LO.01									
18081	0.03									
18082	LO.01									
18083	LO.01									
18084	LO.01									
18085	0.01									
18086	LO.01									
18087	LO.01									
18088	LO.01									
18089	LO.01									

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United Keno Hill Mines

REPORT NO. W89-04323.4

DATE July 24, 1989

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Page 4

MARKED	%									
	Cu									
18090	0.02									
18091	0.03									
18092	0.01									
18093	0.01									
18094	0.02									
18095	0.01									
18096	0.01									
18097	0.01									
18098	0.01									
18099	0.01									
18100	0.01									
18101	0.01									
18102	0.01									
18103	0.01									
18104	0.01									
18105	0.01									
18106	0.03									
18107	0.02									
18108	0.02									
18109	0.01									

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Certificate of Analysis

TO _____
United Keno Hill Mines

REPORT NO. W89-04323.4
DATE July 24, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples Page 5

MARKED	%									
	Cu									
18110	LO.01									
18111	LO.01									
18112	LO.01									
18113	LO.01									
18114	LO.01									
18115	LO.01									
18116	LO.01									
18117	LO.01									
18118	LO.01									
18119	LO.01									
18120	LO.01									
18121	LO.01									
18122	LO.01									
18123	LO.01									
18124	LO.01									
18125	LO.01									
18126	LO.01									
18127	LO.01									
18128	LO.01									
18129	LO.01									

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Certificate of Analysis

TO _____
United Keno Hill Mines

REPORT NO. W89-04323.4

DATE July 24, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples

Page 6

MARKED	%									
	Cu									
18130	LO.01									
18131	LO.01									
18132	LO.01									
18133	LO.01									
18134	LO.01									
18135	LO.01									
18136	LO.01									
18137	LO.01									
18138	LO.01									
18139	LO.01									
18140	LO.01									
18141	LO.01									
18142	LO.01									
18143	LO.01									
18144	LO.01									
18145	LO.01									
18146	LO.01									
18147	LO.01									
13148	LO.01									
18149	LO.01									

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TO _____
United Keno Hill Mines

REPORT NO. W89-04323.4

DATE July 24, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described .. percussion samples

Page 7

MARKED	%									
	Cu									
18150	LO.01									
18151	LO.01									
18152	LO.01									
18153	LO.01									
18154	LO.01									
18155	LO.01									
18156	LO.01									
18157	LO.01									
18158	LO.01									
18159	LO.01									
18160	LO.01									
18161	LO.01									
18162	LO.01									
18163	LO.01									
18164	LO.01									
18165	LO.01									
18166	LO.01									
18167	LO.01									
18168	LO.01									
18169	LO.01									

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TO _____
United Keno Hill Mines

REPORT NO. W89-04323.4

DATE July 24, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples

Page 8

MARKED	%									
	Cu									
18170	LO.01									
18171	LO.01									
18172	LO.01									
18173	LO.01									
18174	LO.01									
18175	LO.01									
18176	LO.01									
18177	LO.01									
18178	LO.01									
18179	LO.01									
18180	LO.01									
18181	LO.01									
18182	LO.01									
18183	LO.01									
18184	LO.01									
18185	LO.01									
18186	LO.01									
18187	LO.01									
18188	LO.01									
18189	LO.01									

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TO _____
United Keno Hill Mines

REPORT NO. W89-04323.4

DATE July 24, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples Page 9

MARKED	%									
	Cu									
18190	0.03									
18191	0.01									
18192	0.01									
18193	0.01									
18194	0.01									
18195	0.01									
18196	0.01									
18197	0.01									
18198	0.01									
18199	0.01									
18200	0.01									
18201	0.01									
18202	0.01									
18203	0.01									

BONDAR-CLEGG & COMPANY LTD.

Susan Schmidt



Certificate of Analysis

TO _____
United Keno Hill Mines

REPORT NO. W89-04344.4
DATE August 1, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described .. percussion..... samples

Page 1

MARKED	%									
	Cu									
18204	L0.01									
18205	L0.01									
18206	0.03									
18207	L0.01									
18208	L0.01									
18209	L0.01									
18210	0.02									
18211	0.01									
18212	0.02									
18213	0.01									
18214	L0.01									
18215	L0.01									
18216	L0.01									
18217	0.01									
18218	L0.01									
18219	0.01									
18220	L0.01									
18221	L0.01									
18222	L0.01									

BONDAR-CLEGG & COMPANY LTD.



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TO _____
United Keno Hill Mines

REPORT NO. W89-04344.4
DATE August 1, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described . . . percussion samples

Page 2

MARKED	%									
	Cu									
19223	L0.01									
18224	0.01									
18225	L0.01									
18226	L0.01									
18227	L0.01									
18228	L0.01									
18229	L0.01									
18230	0.04									
18231	0.02									
18232	0.01									
18233	L0.01									
18234	L0.01									
18235	L0.01									
18236	L0.01									
18237	L0.01									
18238	L0.01									
18239	L0.01									
18240	L0.01									
18241	L0.01									

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TO _____
United Keno Hill Mines

REPORT NO. W89-04344.4

DATE August 1, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples

Page 3

MARKED	%									
	Cu									
18242	LO.01									
18243	LO.01									
18244	0.16									
18245	0.11									
18246	0.01									
18247	0.03									
18248	0.04									
18249	0.03									
18250	LO.01									
18251	LO.01									
18252	LO.01									
18253	LO.01									
18254	LO.01									
18255	LO.01									
18256	LO.01									
18257	LO.01									
18258	LO.01									
18259	LO.01									
18260	LO.01									

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Certificate of Analysis

TO _____
United Keno Hill Mines

REPORT NO. . . W89-04344.4

DATE . . August 1, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described . . . percussion . . . samples

Page 4

MARKED	%									
	Cu									
18261	LO.01									
18262	LO.01									
18263	LO.01									
18264	LO.01									
18265	0.02									
18266	0.01									
18267	0.01									
18268	LO.01									
18269	LO.01									
18270	0.01									
18271	0.01									
18272	0.01									
18273	LO.01									
18274	LO.01									
18275	0.02									
18276	0.03									
18277	LO.01									
18278	0.01									
18279	0.03									
18280	LO.01									

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TO United Keno Hill MinesREPORT NO. W89-04344.4DATE August 1, 1989I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples

Page 5

MARKED	%									
	Cu									
18281	L0.01									
18282	L0.01									
18283	L0.01									
18284	L0.01									
18285	0.01									
18286	L0.01									
18287	L0.01									
18288	L0.01									
18289	L0.01									
18290	L0.01									
18291	L0.01									
18292	L0.01									
18293	L0.01									
18294	0.01									
18295	L0.01									
18296	0.01									
18297	L0.01									
18298	L0.01									
18299	L0.01									
18300	L0.01									

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TO _____

United Keno Hill Mines

REPORT NO. W89-04344.4

DATE August 1, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described .. percussion..... samples

Page 6

MARKED	%									
	Cu									
18301	LO.01									
18302	LO.01									
18303	LO.01									
18304	LO.01									
18305	LO.01									
18306	LO.01									
18307	LO.01									
18308	LO.01									
18309	LO.01									
18310	LO.01									
18311	0.01									
18312	LO.01									
18313	0.71									
18314	0.01									
18315	0.05									
18316	LO.01									
18317	0.02									
18318	LO.01									
18319	0.02									
18320	LO.01									

BONDAR-CLEGG & COMPANY LTD.



Certificate of Analysis

TO _____
United Keno Hill Mines

REPORT NO. W89-04344.4.....

DATE August 1, 1989.....

I hereby certify that the following are the results of analyses made by us upon the herein described percussion..... samples Page 7

MARKED	%									
	Cu									
18321	LO.01									
18322	LO.01									
18323	LO.01									
18324	0.01									
18325	LO.01									
18326	LO.01									
18327	LO.01									
18328	LO.01									
18329	LO.01									
18330	LO.01									
18331	0.01									
18332	LO.01									
18333	LO.01									
18334	LO.01									
18335	0.01									
18336	LO.01									
18337	0.01									
18338	LO.01									
18339	0.04									

BONDAR-CLEGG & COMPANY LTD.



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TO _____

United Keno Hill Mines

REPORT NO. W89-04344.4

DATE August 1, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described . . . percussion . . . samples

Page 8

MARKED	%									
	Cu									
18340	LO.01									
18341	LO.01									
18342	0.01									
18343/18344 comp.	LO.01									
18344	LO.01									
18345	LO.01									
18346	LO.01									
18347	LO.01									
18348	LO.01									
18349	LO.01									
18350	LO.01									
18351	LO.01									
18352	LO.01									
18353	LO.01									
18354	LO.01									
18355	LO.01									
18356	LO.01									
18357	LO.01									
18358	0.01									

BONDAR-CLEGG & COMPANY LTD.



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United Keno Hill Mines

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Page 9

MARKED	%									
	Cu									
18359	LO.01									
18360	0.04									
18361	0.02									
18362	0.02									
18363	LO.01									
18364	LO.01									
18365	LO.01									
18366	LO.01									
18367	LO.01									
18368	LO.01									
18369	LO.01									
18370	LO.01									
18371	LO.01									
18372	LO.01									
18373	LO.01									
18374	LO.01									
18375	LO.01									
18376	LO.01									
18377	LO.01									
18378	LO.01									

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REPORT NO. W89-04344.4

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Page 10

MARKED	%									
	Cu									
18379	LO.01									
18380	LO.01									
18381	LO.01									
18382	LO.01									
18383	0.02									
18384	0.02									
18385	LO.01									
18386	0.02									
18387	LO.01									
18388	LO.01									
18389	LO.01									
18390	LO.01									
18391	0.01									
19392	LO.01									
18393	LO.01									
18394	LO.01									
18395	LO.01									
18396	LO.01									
18397	0.01									
18398	0.01									

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I hereby certify that the following are the results of analyses made by us upon the herein described ... percussion ... samples Page 11

MARKED	%									
	Cu									
18399	LO.01									
18400	0.02									
18401	0.01									
18402	LO.01									
18403	LO.01									
18404	0.03									
18405	LO.01									
18406	0.01									
18407	0.03									
18408	0.02									
18409	LO.01									
18410	0.01									
18411	LO.01									
18412	LO.01									
18413	0.01									
18414	0.02									
18415	0.02									
18416	0.02									
18417	0.02									
18418	0.03									

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REPORT NO. ... W89-04344.4.....

DATE August 7, 1989.....

I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples

Page 12

MARKED	%									
	Cu									
18419	LO.01									
18420	LO.01									
18421	0.01									
18422	LO.01									
18423	LO.01									
18424	LO.01									
18425	LO.01									
18426	0.02									
18427	0.01									
18428	0.01									
18429	0.11									
18430	LO.01									
18431	LO.01									
18432	LO.01									
18433	0.06									
18434	LO.01									
18435	LO.01									
18436	LO.01									
18437	LO.01									
18438	LO.01									

BONDAR-CLEGG & COMPANY LTD.



Certificate of Analysis

TO _____
United Keno Hill Mines

REPORT NO. W89-04344.4

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I hereby certify that the following are the results of analyses made by us upon the herein described . . . percussion samples

Page 13

MARKED	%									
	Cu									
18439	L0.01									
18440	L0.01									
18441	L0.01									
18442	L0.01									
18443	L0.01									
18444	L0.01									
18445	L0.01									
18446	L0.01									
18447	L0.01									
18448	L0.01									
18449	L0.01									
18450	L0.01									
18451	L0.01									
18452	L0.01									
18453	L0.01									
18454	L0.01									
18455	L0.01									
18456	L0.01									
18457	L0.01									
18458	L0.01									

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TO _____

United Keno Hill MinesREPORT NO. W89-04344.4DATE August 7, 1989I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples

Page 14

MARKED	%									
	Cu									
18459	LO.01									
18460	LO.01									
18461	LO.01									
18462	LO.01									
18463	LO.01									
18464	LO.01									
18465	LO.01									
18466	0.02									
18467	0.03									
18468	LO.01									
18469	LO.01									
18470	LO.01									
18471	0.02									
18472	0.01									
18473	0.02									
18474	0.25									
18475	0.01									
18476	LO.01									
18477	LO.01									
18478	LO.01									

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United Keno Hill Mines

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Page 15

MARKED	%									
	Cu									
18479	LO.01									
18480	LO.01									
18481	0.01									
18482	LO.01									
18483	LO.01									
18484	LO.01									
18485	LO.01									
18486	LO.01									
18487	LO.01									
18488	LO.01									
18489	LO.01									
18490	LO.01									
18491	LO.01									
18492	LO.01									
18493	0.01									
18494	0.01									
18495	LO.01									
18496	LO.01									
18497	LO.01									
18498	LO.01									

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I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples Page 16

MARKED	%									
	Cu									
18499	0.02									
18500	0.06									
18501	LO.01									
18502	LO.01									
18503	0.01									
18504	LO.01									
18505	0.01									
18506	LO.01									
18507	LO.01									
18508	LO.01									
18509	0.14									
18510	0.05									
18511	LO.01									
18512	0.02									
18513	LO.01									
18514	LO.01									
18515	LO.01									
18516	LO.01									
18517	LO.01									
18518	LO.01									

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Page 17

MARKED	%									
	Cu									
18519	LO.01									
18520	0.01									
18521	LO.01									
18522	LO.01									
18523	LO.01									
18524	0.02									
18525	0.01									
18526	LO.01									
18527	0.01									
18528	LO.01									
18529	0.01									
18530	LO.01									
18531	0.02									
18532	0.06									
18533	0.07									
18534	0.02									
18535	0.04									
18536	LO.01									
18537	LO.01									
18538	LO.01									

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Page 18

MARKED	%									
	Cu									
18539	LO.01									
18540	LO.01									
18541	LO.01									
18542	LO.01									
18543	0.02									
18544	LO.01									
18545	LO.01									
18546	LO.01									
18547	LO.01									
18548	LO.01									
18549	LO.01									
18550	LO.01									
18551	LO.01									
18552	LO.01									
18553	LO.01									
18554	0.01									
18555	LO.01									
18556	LO.01									
18557	0.03									
18558	0.02									

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Page 19

MARKED	%									
	Cu									
18559	LO.01									
18560	LO.01									
18561	LO.01									
18562	0.05									
18563	LO.01									
18564	LO.01									
18565	LO.01									
18566	LO.01									
18567	LO.01									
18568	LO.01									
18569	LO.01									
18570	LO.01									
18571	LO.01									
18572	LO.01									
18573	0.03									
18574	LO.01									
18575	LO.01									
18576	LO.01									
18577	LO.01									
18578	LO.01									

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Page 20

MARKED	%									
	Cu									
18579	L0.01									
18580	L0.01									
18581	L0.01									
18582	L0.01									
18583	L0.01									
18584	L0.01									
18585	L0.01									
18586	L0.01									
18587	L0.01									
18588	L0.01									
18589	L0.01									
18590	0.05									
18591	L0.01									
18592	L0.01									
18593	L0.01									
18594	L0.01									
18595	L0.01									
18596	L0.01									
18597	L0.01									
18598	L0.01									

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Page 21

MARKED	%									
	Cu									
18599	0.05									
18600	LO.01									
18601	LO.01									
18602	0.01									
18603	LO.01									
18604	LO.01									
18605	LO.01									
18606	LO.01									
18607	LO.01									
18608	LO.01									
18609	LO.01									
18610	0.02									
18611	0.03									
18612	0.01									
18613	0.01									
18614	0.01									
18615	0.02									
18616	0.03									
18617	LO.01									
18618	0.02									

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Page 22

MARKED	%									
	Cu									
18619	0.01									
18620	LO.01									
18621	LO.01									
18622	LO.01									
18623	0.02									
18624	LO.01									
18625	LO.01									
18626	LO.01									
18627	LO.01									
18628	LO.01									
18629	LO.01									
18630	LO.01									
18631	0.02									
18632	0.01									
18633	0.02									
18634	LO.01									
18635	0.02									
18636	0.02									
18637	LO.01									
18638	0.01									

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Page 23

MARKED	%									
	Cu									
18639	0.01									
18640	0.04									
18641	LO.01									
18642	LO.01									
18643	0.04									
18644	LO.01									
18645	0.04									
18646	0.02									
18647	0.09									
18648	0.03									
18649	0.02									
18650	0.03									
18651	0.02									
18652	0.02									
18653	0.04									
18654	LO.01									
18655	0.02									
18656	0.02									
18657	0.01									
18658	LO.01									

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I hereby certify that the following are the results of analyses made by us upon the herein described ..percussion..... samples

Page 24

MARKED	%									
	Cu									
18659	L0.01									
18660	L0.01									
18661	L0.01									
18662	L0.01									
18663	L0.01									
18664	0.03									
18665	L0.01									
18666	L0.01									
18667	L0.01									
18668	0.02									
18669	0.02									
18670	0.01									
18671	L0.01									
18672	L0.01									
18673	L0.01									
18674	L0.01									
18675	0.01									
18676	0.03									
18677	L0.01									
18678	L0.01									

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TO _____

United Keno Hill MinesREPORT NO. W89-04344.4DATE August 14, 1989I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples

Page 25

MARKED	%									
	Cu									
18679	0.04									
18680	0.02									
18681	0.02									
18682	0.01									
18683	0.03									
18684	0.03									
18685	L0.01									
18686	0.04									
18687	0.07									
18688	0.02									
18689	0.02									
18690	0.03									
18691	0.02									
18692	0.03									
18693	L0.01									
18694	L0.01									
18695	0.01									
18696	L0.01									
18697	L0.01									

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REPORT NO. W89-04344.4
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I hereby certify that the following are the results of analyses made by us upon the herein described ... percussion ... samples Page 26

MARKED	%									
	Cu									
18698	LO.01									
18699	LO.01									
18700	LO.01									
18701	LO.01									
18702	LO.01									
18703	LO.01									
18704	LO.01									
18705	LO.01									
18706	LO.01									
18707	LO.01									
18708	LO.01									
18709	LO.01									
18710	LO.01									
18711	LO.01									
18712	0.01									
18713	0.01									
18714	0.03									
18715	0.01									
18716	0.03									
18717	0.01									



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TO United Keno Hill MinesREPORT NO. W89-04344.4DATE August 14, 1989I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples Page 27

MARKED	%									
	Cu									
18718	0.01									
18719	LO.01									
17820	0.01									
18721	0.01									
18722	0.01									
18723	LO.01									
18724	0.05									
18725	0.01									
18726	0.02									
18727	0.06									
18728	0.02									
18729	0.02									
18730	LO.01									
18731	0.01									
18732	0.02									
18733	LO.01									
18734	LO.01									
18735	LO.01									
18736	LO.01									
18737	LO.01									



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I hereby certify that the following are the results of analyses made by us upon the herein described .. percussion..... samples

Page 28

MARKED	%									
	Cu									
18738	L0.01									
18739	L0.01									
18740	L0.01									
18741	L0.01									
18742	L0.01									
18743	L0.01									
18744	L0.01									
18745	L0.01									
18746	L0.01									
18747	L0.01									
18748	L0.01									
18749	L0.01									
18750	L0.01									
18751	L0.01									
18752	L0.01									
18753	L0.01									
18754	L0.01									
18755	L0.01									
18756	L0.01									
18757	L0.01									

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I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples Page 29

MARKED	%									
	Cu									
18758	LO.01									
18759	LO.01									
18760	LO.01									
18761	0.02									
18762	LO.01									
18763	LO.01									
18764	LO.01									
18765	LO.01									
18766	LO.01									
18767	LO.01									
18768	LO.01									
18769	LO.01									
18770	LO.01									
18771	LO.01									
18772	LO.01									
18773	LO.01									
18774	LO.01									
18775	LO.01									
18776	LO.01									
18777	LO.01									

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136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1

PHONE: (403) 667-6523

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United Keno Hill Mines

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I hereby certify that the following are the results of analyses made by us upon the herein described . . . percussion samples

Page 30

MARKED	%									
	Cu									
18778	LO.01									
18779	LO.01									
18780	LO.01									
18781	LO.01									
18782	LO.01									
18783	LO.01									
18784	LO.01									
18785	LO.01									
18786	LO.01									
18787	LO.01									
18788	LO.01									
18789	LO.01									
18790	LO.01									
18791	LO.01									
18792	LO.01									
18793	LO.01									
18794	LO.01									
18795	LO.01									
18796	LO.01									
18797	LO.01									

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Page 31

MARKED	%									
	Cu									
18798	LO.01									
18799	LO.01									
18800	LO.01									
18801	LO.01									
18802	LO.01									
18803	LO.01									
18804	LO.01									
18805	LO.01									
18806	LO.01									
18807	LO.01									
18808	LO.01									
18809	LO.01									
18810	LO.01									
18811	LO.01									
18812	LO.01									
18813	LO.01									
18814	LO.01									
18815	LO.01									
18816	LO.01									
18817	LO.01									

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I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples Page 32

MARKED	%									
	Cu									
18818	LO.01									
18819	LO.01									
18820	LO.01									
18821	LO.01									
18822	LO.01									
18823	LO.01									
18824	LO.01									
18825	LO.01									
18826	LO.01									
18827	LO.01									
18828	LO.01									
18829	LO.01									
18830&18831 comp	LO.01									
18832	LO.01									
18833	LO.01									
18834	LO.01									
18835	LO.01									
18836	LO.01									
18837	LO.01									
18838	LO.01									

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MARKED	%									
	Cu									
18839	LO.01									
18840	0.01									
18841	0.01									
18842	LO.01									
18843	LO.01									
18844	LO.01									
18845	LO.01									
18846	LO.01									
18847	LO.01									
18848	LO.01									
18849	LO.01									
18850	LO.01									
18851	LO.01									
18852	LO.01									
18853	LO.01									
18854	LO.01									
18855	LO.01									
18856	LO.01									
18857	LO.01									
18858	LO.01									



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Page 34

MARKED	%									
	Cu									
18859	LO.01									
18860	LO.01									
18861	LO.01									
18862	LO.01									
18863	LO.01									
18864	LO.01									
18865	LO.01									
18866	LO.01									
18867	LO.01									
18868	LO.01									
18869	LO.01									
18870	LO.01									
18871	LO.01									
18872	LO.01									
18873	LO.01									
18874	LO.01									
18875	LO.01									
18876	LO.01									
18877	LO.01									
18878	LO.01									
18879	LO.01									

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Page 35

MARKED	%									
	Cu									
18880	LO.01									
18881	LO.01									
18882	LO.01									
18883	LO.01									
18884	LO.01									
18885	LO.01									
18886	LO.01									
18887	LO.01									
18888	LO.01									
18889	LO.01									
18890	LO.01									
18891	LO.01									
18892	0.06									
18893	0.11									
18894	0.01									
18895	0.02									
18896	0.02									
18897	LO.01									
18898	LO.01									
18899	0.02									

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Page 36

MARKED	%									
	Cu									
18900	0.01									
18901	LO.01									
18902	LO.01									
18903	LO.01									
18904	LO.01									
18905	LO.01									
18906	LO.01									
18907	LO.01									
18908	LO.01									
18909	LO.01									
18910	LO.01									
18911	LO.01									
18912	0.01									
18913	LO.01									
18914	LO.01									
18915	LO.01									
18916	LO.01									
18917	LO.01									
18918	LO.01									
18919	LO.01									

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Page 37

MARKED	%									
	Cu									
18920	LO.01									
18921	LO.01									
18922	LO.01									
18923	LO.01									
18924	LO.01									
18925	LO.01									
18926	LO.01									
18927	LO.01									
18928	LO.01									
18929	LO.01									
18930	LO.01									
18931	LO.01									
18932	LO.01									
18933	LO.01									
18934	LO.01									
18935	LO.01									
18936 & 18937 comp	LO.01									
18938	LO.01									
18939	0.04									
18940	0.03									

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Page 38

MARKED	%									
	Cu									
18941	0.01									
18942	0.01									
18943	LO.01									
18944	0.03									
18945	0.04									
18946	LO.01									
18947	LO.01									
18948	LO.01									
18949	LO.01									
18950	LO.01									
18951	LO.01									
18952	LO.01									
18953	LO.01									
18954	LO.01									
18955	LO.01									
18956	LO.01									
18957	LO.01									
18958	LO.01									
18959	LO.01									
18960	LO.01									

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Page 39

MARKED	%									
	Cu									
18961	LO.01									
18962	LO.01									
18963	LO.01									
18964	LO.01									
18965	LO.01									
18966	LO.01									
18967	LO.01									
18968	LO.01									
18969	LO.01									
18970	LO.01									
18971	LO.01									
18972	LO.01									
18973	LO.01									
18974	LO.01									
18975	LO.01									
18976	LO.01									
18977	LO.01									
18978	0.02									
18979	0.02									
18980	LO.01									

BONDAR-CLEGG & COMPANY LTD.



Certificate of Analysis

TO _____

United Keno Hill MinesREPORT NO. W89-04344.4DATE August 15, 1989I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples

Page 40

MARKED	%									
	Cu									
18981	LO.01									
18982	LO.01									
18983	LO.01									
18984	LO.01									
18985	LO.01									
18986	LO.01									
18987	LO.01									
18988	LO.01									
18989	LO.01									
18990	LO.01									
18991	LO.01									
18992	LO.01									
18993	LO.01									
18994	LO.01									
18995	LO.01									
18996	LO.01									
18997	LO.01									
18998	LO.01									
18999	LO.01									
19000	LO.01									

BONDAR-CLEGG & COMPANY LTD.



Certificate of Analysis

TO _____

United Keno Hill Mines

REPORT NO. W89-04344.4

DATE August 15, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described percussion..... samples

Page 41

MARKED	%									
	Cu									
19001	LO.01									
19002	LO.01									
19003	LO.01									
19004	LO.01									
19005	0.01									
19006	0.02									
19007	0.01									
19008	0.01									
19009	0.01									
19010	LO.01									
19011	LO.01									
19012	LO.01									
19013	LO.01									
19014	LO.01									
19015	LO.01									
19016	LO.01									
19017	LO.01									
19018	LO.01									
19019	LO.01									
19020	LO.01									

BONDAR-CLEGG & COMPANY LTD.

Certificate of Analysis

TO _____
United Keno Hill Mines

REPORT NO. W89-04344.4

DATE August 17, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples Page 42

MARKED	%									
	Cu									
19021	L0.01									
19022	L0.01									
19023	L0.01									
19024	L0.01									
19025	L0.01									
19026	L0.01									
19027	L0.01									
19028	L0.01									
19029	L0.01									
19030	L0.01									
19031	L0.01									
19032	L0.01									
19033	L0.01									
19034	L0.01									
19035	L0.01									
19036	L0.01									
19037	L0.01									
19038	L0.01									
19039	L0.01									
19040	L0.01									

BONDAR-CLEGG & COMPANY LTD.



Certificate of Analysis

TO _____

United Keno Hill Mines

REPORT NO. W89-04344.4

DATE August 17, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described . . . percussion samples Page 43

MARKED	%									
	Cu									
19041	LO.01									
19042	LO.01									
19043	LO.01									
19044	LO.01									
19045	LO.01									
19046	0.03									
19047	0.02									
19048	LO.01									
19049	LO.01									
19050	LO.01									
19051	LO.01									
19052	LO.01									
19053	LO.01									
19054	LO.01									
19055	LO.01									
19056	0.01									
19057	0.03									
19058	LO.01									
19059	LO.01									
19060	LO.01									

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Certificate of Analysis

TO United Keno Hill MinesREPORT NO. W89-04344.4DATE August 17, 1989I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples Page 44

MARKED	%									
	Cu									
19061	L0.01									
19062	L0.01									
19063	L0.01									
19064	L0.01									
19065	L0.01									
19066	L0.01									
19067	L0.01									
19068	L0.01									
19069	L0.01									
19070	L0.01									
19071	L0.01									
19072	L0.01									
19073	L0.01									
19074	L0.01									
19075	L0.01									
19076	L0.01									
19077	L0.01									
19078	L0.01									
19079	L0.01									
19080	L0.01									

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TO _____

United Keno Hill Mines

REPORT NO. W89-04344.4

DATE August 17, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described . . . percussion samples

Page 45

MARKED	%									
	Cu									
19081	0.06									
19082	L0.01									
19083	L0.01									
19084	L0.01									
19085	L0.01									
19086	L0.01									
19087	L0.01									
19088	L0.01									
19089	L0.01									
19090	L0.01									
19091	L0.01									
19092	L0.01									
19093	L0.01									
19094	L0.01									
19095	L0.01									
19096	L0.01									
19097	L0.01									
19098	L0.01									
19099	L0.01									
19100	L0.01									

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Certificate of Analysis

TO _____
United Keno Hill Mines

REPORT NO. W89-04344.4
DATE August 17, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples Page 46

MARKED	%									
	Cu									
19101	L0.01									
19102	L0.01									
19103	L0.01									
19104	L0.01									
19105	L0.01									
19106	L0.01									
19107	L0.01									
19108	L0.01									
19109	L0.01									
19110	L0.01									
19111	L0.01									
19112	L0.01									
19113	L0.01									
19114	L0.01									
19115	L0.01									
19116	L0.01									
19117	L0.01									
19118	L0.01									
19119	L0.01									
19120	L0.01									

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Certificate of Analysis

TO _____
United Keno Hill Mines

REPORT NO. W89-04344.4
DATE August 17, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described . . . percussion samples
Page 47

MARKED	%									
	Cu									
19121	LO.01									
19122	LO.01									
19123	LO.01									
19124	LO.01									
19125	LO.01									
19126	LO.01									
19127	LO.01									
19128	LO.01									
19129	LO.01									
19130	LO.01									
19131	LO.01									
19132	LO.01									
19133	LO.01									
19134	LO.01									
19135	LO.01									
19136	LO.01									
19137	LO.01									
19138	LO.01									
19139	LO.01									
19140	LO.01									

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Certificate of Analysis

TO _____
United Keno Hill Mines

REPORT NO. W89-04344.4
DATE ... August 17, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described ... percussion ... samples Page 48

MARKED	%									
	Cu									
19141	L0.01									
19142	L0.01									
19143	L0.01									
19144	L0.01									
19145	L0.01									
19146	L0.01									
19147	L0.01									
19148	0.01									
19149	L0.01									
19150	L0.01									
19151	L0.01									
19152	L0.01									
19153	L0.01									
19154	L0.01									
19155	L0.01									
19156	L0.01									
19157	L0.01									
19158	L0.01									
19159	L0.01									
19160	L0.01									



Certificate of Analysis

TO _____

United Keno Hill Mines

REPORT NO. W89-04344.4

DATE August 17, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples

Page 49

MARKED	%									
	Cu									
19161	L0.01									
19162	L0.01									
19163	L0.01									
19164	L0.01									
19165	L0.01									
19166	L0.01									
19167	L0.01									
19168	L0.01									
19169	L0.01									
19170	L0.01									
19171	L0.01									
19172	L0.01									
19173	L0.01									
19174	L0.01									
19175	L0.01									
19176	L0.01									
19177	L0.01									
19178	L0.01									
19179	L0.01									
19180	L0.01									

BONDAR-CLEGG & COMPANY LTD.



Certificate of Analysis

TO _____

United Keno Hill MinesREPORT NO. W89-04344.4DATE August 17, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples

Page 50

MARKED	%									
	Cu									
19181	LO.01									
19182	LO.01									
19183	LO.01									
19184	LO.01									
19185	0.01									
19186	0.10									
19187	0.01									
19188	0.01									
19189	0.02									
19190	0.02									
19191	0.01									

BONDAR-CLEGG & COMPANY LTD.

Susan K. Kitchin



Certificate of Analysis

TO _____
United Keno Hill Mines

REPORT NO. W89-04370.4
DATE August 24, 1989

I hereby certify that the following are the results of analyses made by us upon the herein described percussion samples Page 1

MARKED	%									
	Cu									
19192	0.01									
19193	0.01									
19194	0.01									
19195	0.01									
19196	0.04									
19197	0.04									
19198	0.05									
19199	0.03									
19200	0.03									
19201	0.04									
19202	0.07									
19203	0.03									
19204	0.03									
19205	0.03									
19206	0.08									
19207	0.04									
19208	0.06									
19209	0.05									
19210	0.05									
19211	0.05									

APPENDIX B

PERSONNEL and CONTRACTORS

Dennis Ouellette
Supervisor
10 Juniper Drive
Whitehorse, Yukon
Y1A 4W7

George Ekins
Drillers Helper
Box 453
Peachland, B.C.

Trans North Air
Airport Hanger 'C'
Whitehorse, Yukon
Y1A 3E4
Helicopter Support

Stan Wolerak
Driller
179-178 Range Road
Whitehorse, Yukon
Y1A 4V1

Eric Anderson
Cook
General Delivery
Dawson, Yukon

Bondar-Clegg & Co. Ltd
130 Pemberton Avenue
Vancouver, B.C.
V7P 2R5
Assayer

APPENDIX C

REFERENCES

- Joy, R.J.
1974: 1973 Exploration Report on the DEF Claim Group; Company Report
- Joy, R.J.
1975: 1974 Exploration Report on the DEF Claim Group; Company Report
- Joy, R.J.
1979: 1979 Report on the STU Trenching Program; Company Report
- Joy, R.J.
1980: 1980 Report on the Diamond Drilling Program, Stu Claim Group;
Company Report
- Rychlewski, R.
1984: A report on The 1984 Drill Program On the DEF Claims; Company Report
- Templeman-Kluit, D.
1980: Highlights of field work in Laberge and Carmacks map areas, Yukon;
G.S.C. Paper 80-1A.
- Watson, K.W.; Joy, R.J.
1977: 1977 Geological, Geochemical and Geophysical Report on the STU Claim
Group; Company Report
- Watson, K.W.
1982: 1982 Trenching Report on the HI, FIL, STU, and NOON; Company Report

APPENDIX D
SUMMARY OF COSTS

Mobilization - Demobilization	\$ 5,310.00
Drilling	\$32,387.96
-includes all drilling supplies and wages	
Analysis	\$12,156.05
Camp Costs	\$ 6,369.64
-includes food and supplies, lodging and contract labour	
Helicopter	\$ 9,822.05
Miscellaneous	\$ 8,968.75
-includes vehicle, communications, environmental and repair	

TOTAL	\$75,014.45
 Total footage on STU claims	 5,980
Cost per foot drilled (75,014.45 /5,980)	\$12.54/foot

CERTIFICATE OF QUALIFICATIONS

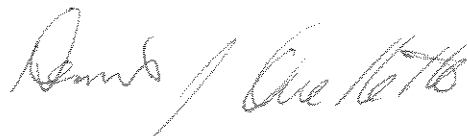
I, Dennis J. Ouellette, with business address

United Keno Hill Mines Limited
409 Black Street
Whitehorse, Yukon
Y1A 2N2

do hereby certify that:

1. I am a practicing geologist.
2. I hold a Bachelor of Science (Specialization) Degree (1984) in Geology from Brandon University, Brandon, Manitoba.
3. I have been working in the field of mineral exploration since May, 1977.
4. This report, entitled "Report on 1989 Percussion Drilling of the STU Property," is based on work done on the property during July, 1989.
5. I have not received, nor do I expect to receive, any interest, either directly or indirectly, in the property concerned in this report.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Dennis J. Ouellette".

Dennis J. Ouellette, B.Sc.