MAP No.

115 0 15

ASSESSMENT REPORT [x]
PROSPECTUS [ ]
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OPEN FILE [ ]

DOCUMENT NO.: 091946
MINING DISTRICT: DAWSON
TYPE OF WORK: Trenching, VLF survey

REPORT FILED UNDER: United Keno Hill Mines Ltd

DATE PERFORMED: June-September 1986 DATE FILED: 23 June 1987

LOCATION LAT. 63 49'N
LONG. 138 56'W

AREA: Upper Sulphur Creek

CLAIM NAME & NO.

SUL 107-114, 185-188, 252-254, 256
YA 80234-241, YA80852-80855, YA80912-915, YA80926

VALUE $ 29 800

WORK DONE BY: D.J. Quellette

WORK DONE FOR: United Keno Hill Mines Ltd

DATE TO GOOD STANDING

REMARKS:

UNITED KENO HILL MINES LIMITED

Report on the Upper Sulphur Creek Project SUL 107 to SUL 114 SUL 185 to SUL 188 SUL 252 to SUL 254 SUL 265 June to September 1986

Dawson Area, Dawson Mining District

NTS 115 O/15

Supervised by: Dennis R. Prince
Report written by: Dennis J. Ouellette
Alan Coutts
Date: October 1986

091946

This rep[illegible] been s[illegible] by
the Geo[illegible] Evalu[illegible]
under [illegible] 53 (4) [illegible] quartz
Minin[illegible]
repre[illegible]ation work [illegible] amount
of $ 29,800 —.

for Geolo[illegible]. Exploration and
Geolo[illegible]es for Commissioner
of Yuko[illegible] Territory.

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SUMMARY

An intensive, wide ranging study of the Upper Sulphur Creek area was undertaken during the 1986 field season. Geological, geochemical and geophysical work was done on the property in late June. Trenching and further geochemical work was done between the 7th of August and the 12th of September.

The intention of the program was to delineate the extentions of the anomalies in the area, to provide an accurate geological map, to pin-point trenching targets.

Towards these ends, a total of 16 claims were studied in an area surrounding the 1985 drill fence. A survey grid was set up over eight claims and parts of eight others. The grid was used to map, prospect, soil sample and VLF survey the property. Encouraging soil anomalies resulted in the digging of three backhoe trenches and three pits on the property.

Trenching exposed and defined the extent of the altered rock unit which is the host to the 21 meter thick anomalous Au zone intersected during the 1984 drill program. This unit tends to parallel Upper Sulphur Creek. The drilling seemed to indicate that the gold is concentrated at the interface between the altered and unaltered rock. The highest Au assay (312ppb Au/5m) was returned from the deepest part of U.Sul Tr-1 trench indicating that Au grade may increase with depth. An accurate geological model has not been established for Upper Sulphur Creek meaning that the source of the gold, the type of alteration, and the relevant structural features of the mineralized zone all remain unknown.

This report describes the mapping, soil sampling, VLF, and trenching which was done over the Sulphur claim group in the summer and fall of 1986.

PREVIOUS WORK

In 1984 a drill program was carried out in the Klondike area. A drill fence located on the west side of Upper Sulphur Creek intersected a 21 meter thick section of low grade Au mineralization. Gold values greater than 10,000ppb (>0.3 opt) over 3 meters were returned from this unit with common values in the 1000-1500ppb (0.02-0.03 opt) range. Gold grades appear to increase with depth in these drill holes.

A very limited program in 1985 consisted of soil sampling, mapping and prospecting. Results indicated that the drill fence had grazed the edge of a geochemically anomalous zone opening to the northwest.

PROPERTY

The Upper Sulphur Creek Project area is centered on 16 claims numbered SUL 107 to 114 (YA80234 to YA80241); SUL 185 to SUL 188 (YA80852 to YA80855); SUL 252 to 255 (YA80912 to YA80915); and SUL 265 (YA80926). The claims are accessable from Dawson by the Sulphur Creek road. There are seven 16 claim groupings based on claim SUL 112. Most groupings have more than one of the 16 previously mentioned claims in common. See Appendix V for groupings.

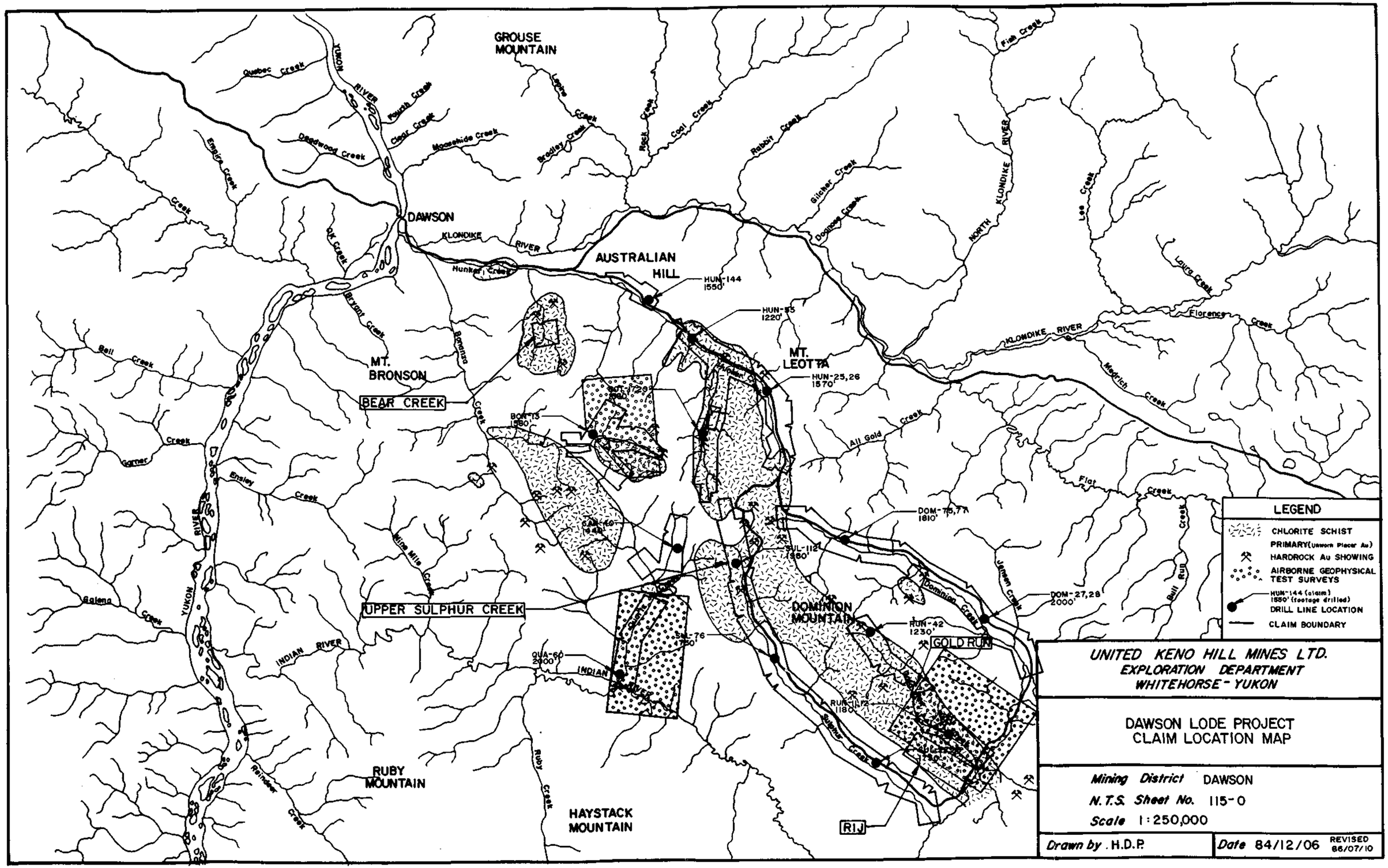
LOCATION AND ACCESS

The Klondike area is situated between the Indian River to the south and the Klondike River to the north; both westerly flowing tributaries of the Yukon River. The area begins a few miles southwest of Dawson City and is accessible by the 330 mile, all weather Klondike Highway from Whitehorse. Dawson City is situated at the confluence of the Yukon and Klondike Rivers and is the main supply center for the area. Secondary roads along the creeks in the Klondike are open for summer travel only.

The Upper Sulphur Creek Project area is centered around the junction of upper Sulphur Creek and Green Gulch and is easily accessible by means of Sulphur Creek-Dominion Creek road. Additional access to the claims is provided by a series of roads put in by the placer miners working in the area.

HISTORY

The Klondike is a world famous placer gold camp that was discovered in the late 1890's which has yielded some 10 million ounces of gold. The Klondike goldfields were primarily worked by individual placer miners in the early days and from 1930 to 1966 by the Yukon Consolidated Gold Corporation, the only large corporation



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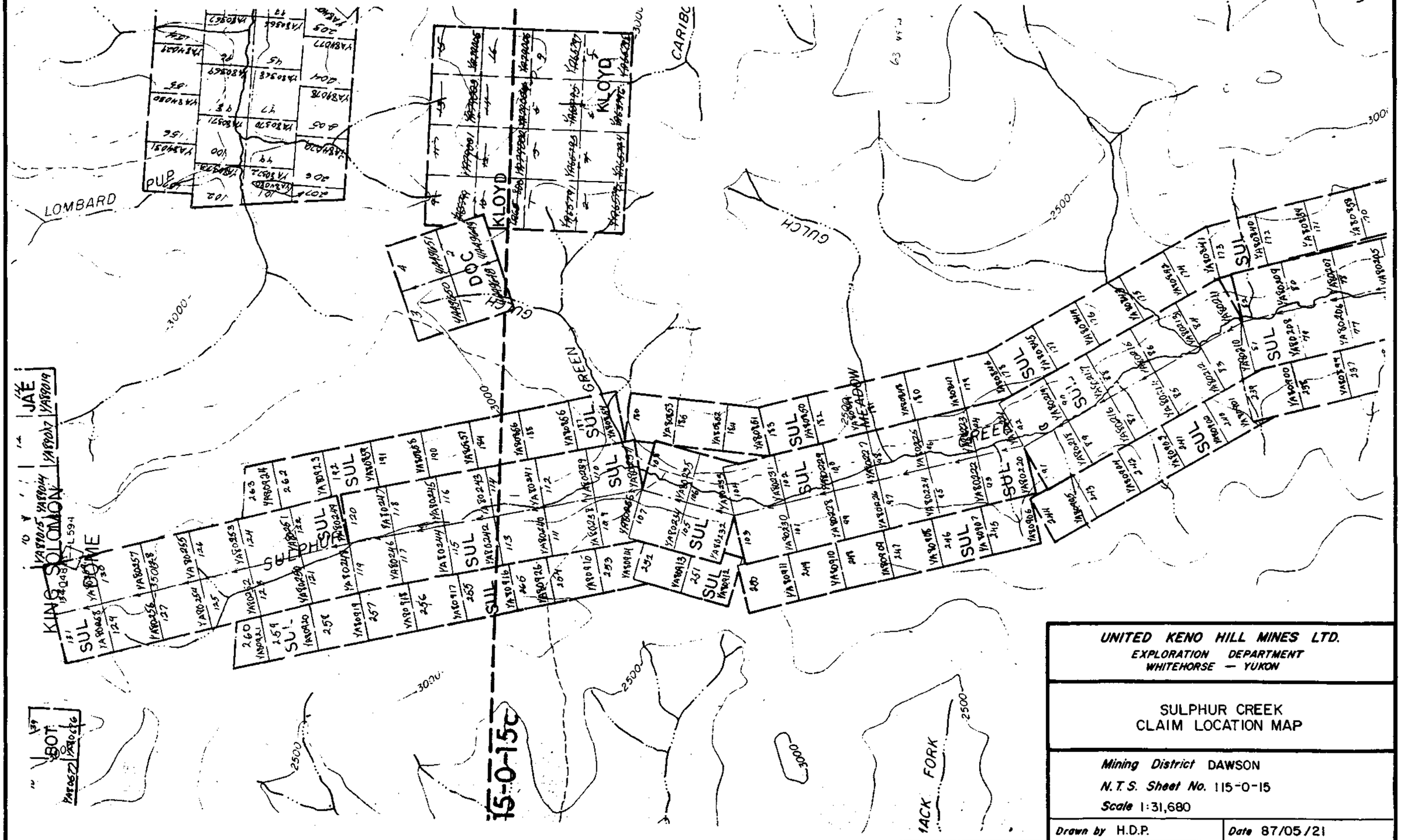
EXPLORATION DEPARTMENT
WHITEHORSE - YUKON

DAWSON LODE PROJECT
CLAIM LOCATION MAP

Mining District DAWSON
N.T.S. Sheet No. 115-O
Scale 1:250,000

Drawn by H.D.P.

Date 84/12/06 REVISED 86/07/10



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WHITEHORSE — YUKON

SULPHUR CREEK
CLAIM LOCATION MAP

Mining District DAWSON
N.T.S. Sheet No. 115-0-15
Scale 1:31,680

Drawn by H.D.P. | *Date* 87/05/21

BCIL - 3043 - U.K.H.M.

to work in the area. YCGC operated several electric and/or steam powered bucket line dredges on Sulphur, Hunker, Bonanza, Quartz, Dominion, and Eldorado Creeks. The last dredge ceased operation in the middle 1960's but activity picked up dramatically in the early 1970's with the increase in the price of gold. At that time a number of small hydraulic and bulldozer operations went into production and many of these are still working today. Teck Corporation is the largest company now operating in the Klondike.

In 1878, G.M. Dawson reported a mineral occurence in the northern Canadian Cordillera and together with R.G. McConnell and William Ogilvie led the Yukon Expedition of 1887-88. McConnell and Ogilvie passed Deer Flats, which became the site of Dawson City in 1897. McConnell revisited the area in 1903 and completed the first bedrock geology map. In 1906, McConnell evaluated the gold bearing high level gravels and Cairnes in 1911 visited the area breifly to examine lode gold prospects. He noticed that the most promising properties were: the Lone Star group, near the head of Victoria Gulch, a triutary of Bonanza Creek; the Violet group, situated along the divide between Eldorado and Ophir Creeks; the Mitchell group, on the divide between the heads of Hunker and Gold Bottom Creeks; the Lloyd group and neighboring claims, situated along the divide between the heads of Green Gulch and Caribou Gulch, tributaries of Sulphur and Dominion Creeks; and several groups of claims on Bear Creek joined by nearby Lindow Creek. The Lone Star has been the only producer of lode gold in the Klondike. Milling grades indicated a hand sorted mine grade of 0.18 opt Au in 1912.

Most of the lode gold occurences in the Klondike have not been explored thoroughly because of their erratic distribution and the heavy overburden cover. No recent activity of any significance has taken place.

PHYSIOGRAPHY

The Klondike region is characterized by drainage divides of about 1000 meters locally rising to 1400 meters. These are crooked ridges separated by dendritic valleys which are drained by master streams from 300 to 450 meters above sea level. A few summits locally called domes are rounded and attain elevations of greater than 1500 meters.

The Klondike is part of the Yukon Plateau, a thoroughly dissected upland. Many of the small creeks and streams run parallel to each other in a northwesterly direction. They parallel the Tintina Trench, a major structural feature in the Territory, suggesting that the streams themselves may be following related structural features. The valleys are flat and wide in the lower reaches but gradually narrow towards their heads into steep sided narrow gulches which end abruptly in broad cols.

The rolling upland surface of the Klondike owes its existance to a general uplift in mid-Tertiary time. The area was probably

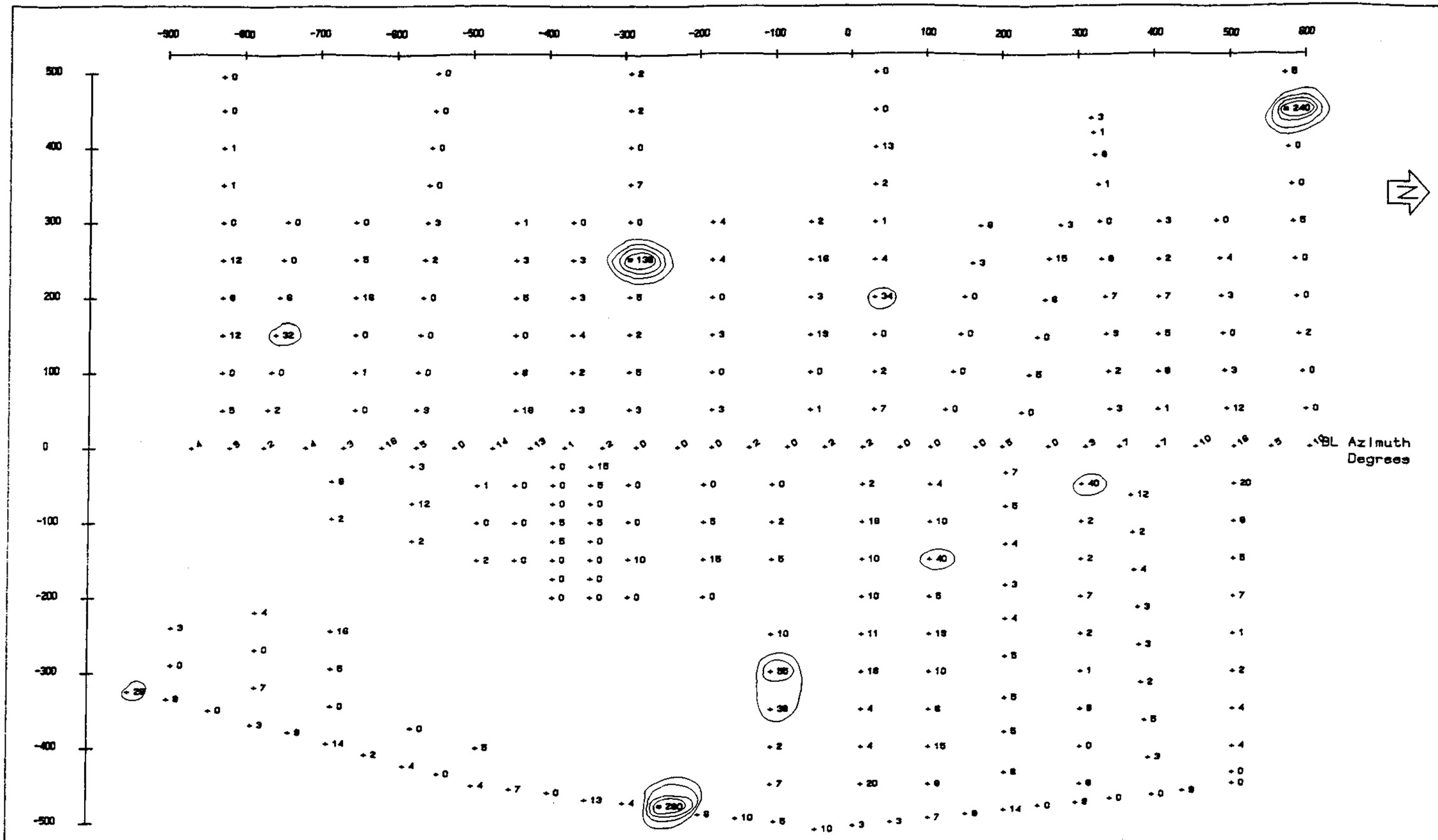
faulted, eroded, and warped in later Tertiary time. Tropical weathering conditions subjected the area to deep supergene alteration conditions followed by periglacial modification and permafrost development during Quaternary time.

GEOLOGICAL SUMMARY

The Klondike district is in the Yukon Crystalline Terrain which has developed as the result of Triassic regional metamorphism southwest of the Tintina Trench. This trench is the topographic expression of a Mesozoic right lateral fault of some 725 km displacement. Shear zones parallel to the Tintina Fault occur in the Klondike area and major lineaments and faults with similar trends occur in and to the southwest. The faults consist of a series of thrust sheets separated by thrust faults. Mylonites and altered ultramafic rocks occur along these thrust surfaces.

The rocks in the Klondike may be divided into 4 categories: ultramafics, Nasina series, Klondike schists, and the Pelly gneiss. The ultramafics consist of peridotite serpentinized to various degrees. The Nasina is a group of low grade metamorphic rocks of predominantly sedimentary origin. These are principally graphitic phyllite, black quartzite, black carbonate phyllite, marble and banded quartzite. The Klondike Schists vary from quartz-feldspar-muscovite schists to quartz-feldspar- biotite gneisses. Chlorite is an important constituent of some of the schists. This group is interpreted to be a highly metamorphosed volcanic pile. The Pelly Gneiss is a coarse grained massive to schistose quartzo-feldspathic rock which may be a metamorphosed intrusive body.

The bulk distribution of the metamorphic rocks proved too impratical in the field and a more detailed lithological breakdown was developed based on J.K. Mortensen's 1984 report for United Keno Hill Mines Ltd. In this scheme the metamorphic rocks are divided into nine mappable units and their respective sub-units. Most of the Company's claims are underlain by units 6,7, and 8 with several units only being locally present.



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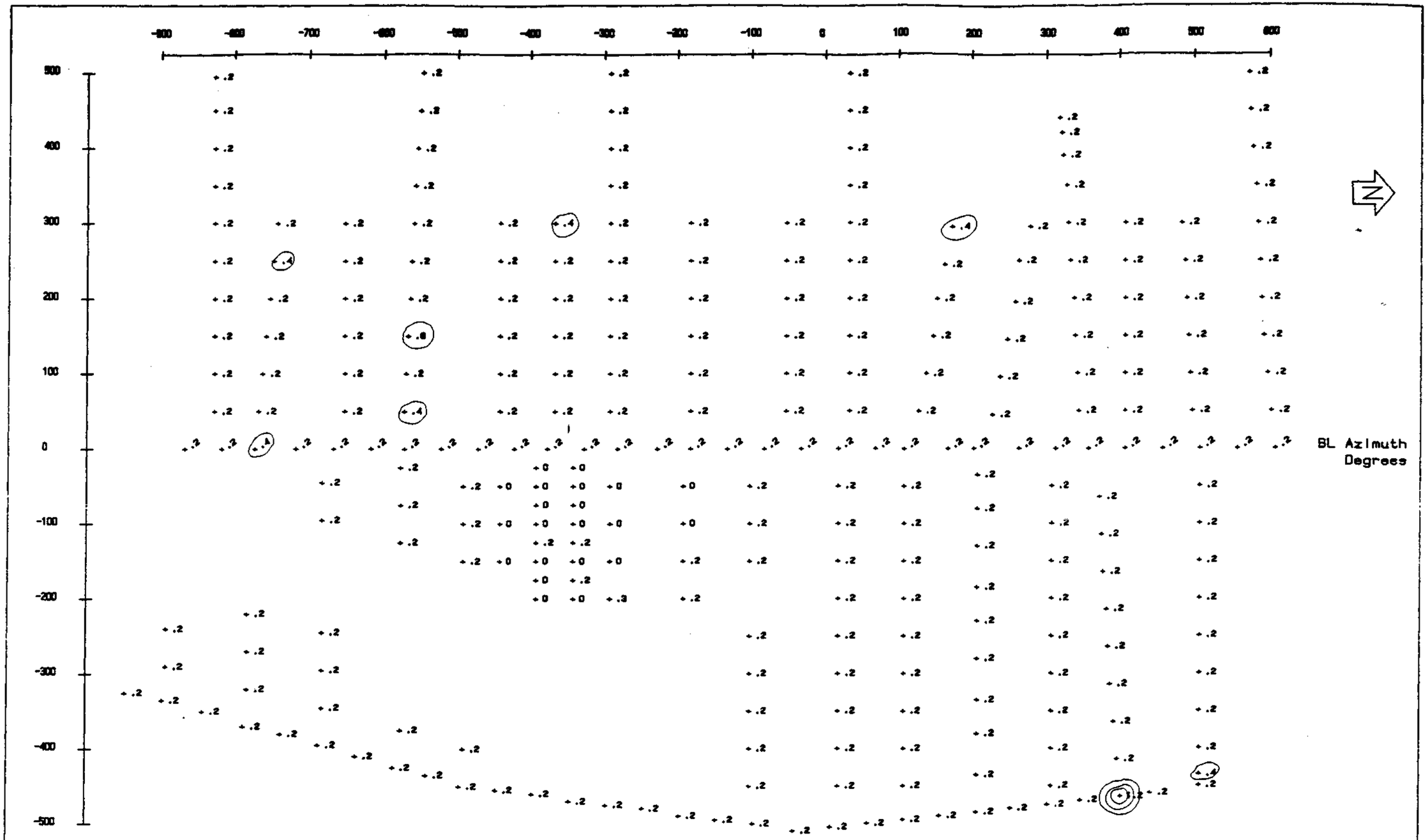
UPPER SULPHUR CREEK
GOLD GEOCHEMISTRY in ppb

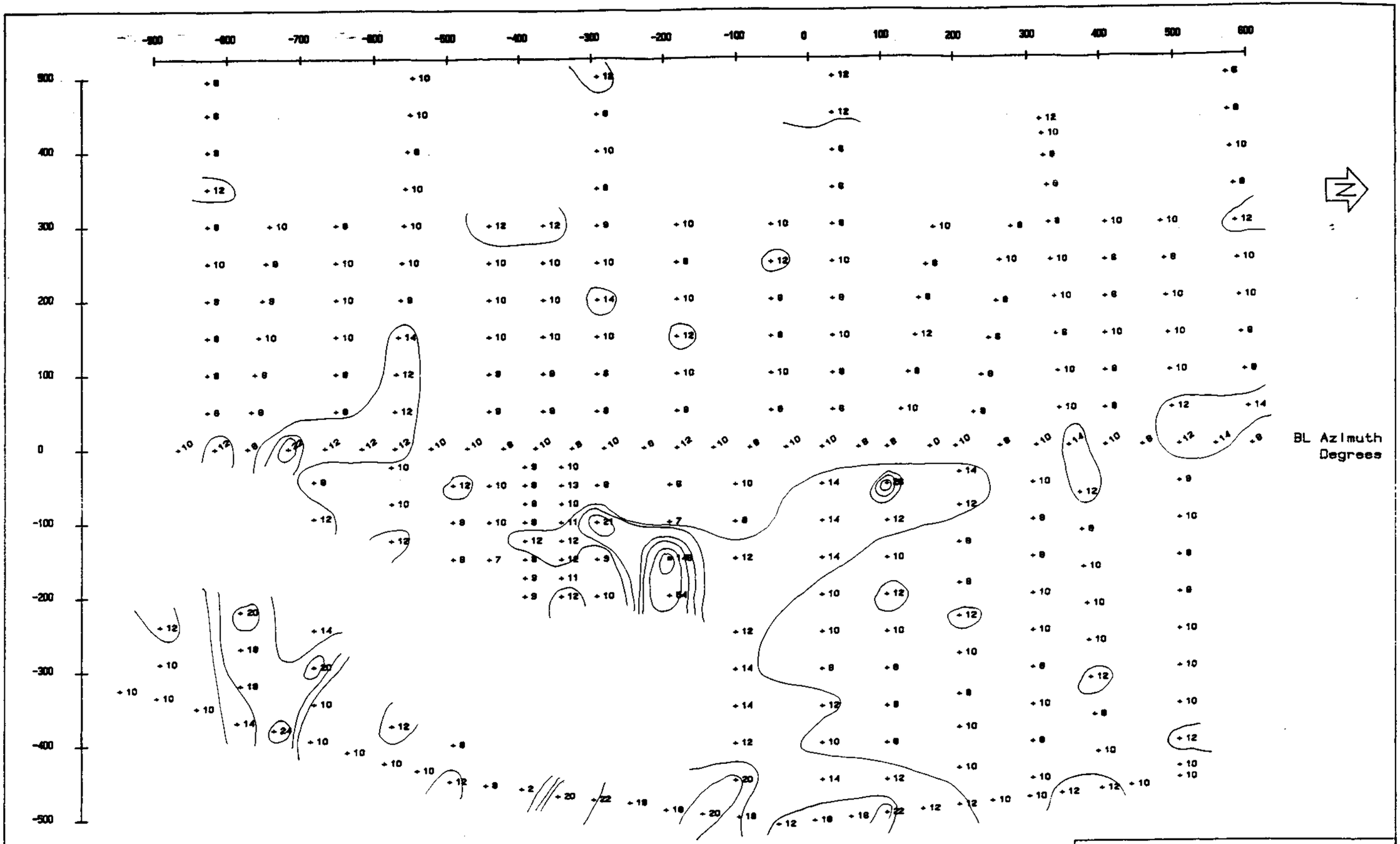
DRAWN BY: Roland DXY	DATE: May 12/87
N.T.S.: 115 O/15	FIGURE NO.:

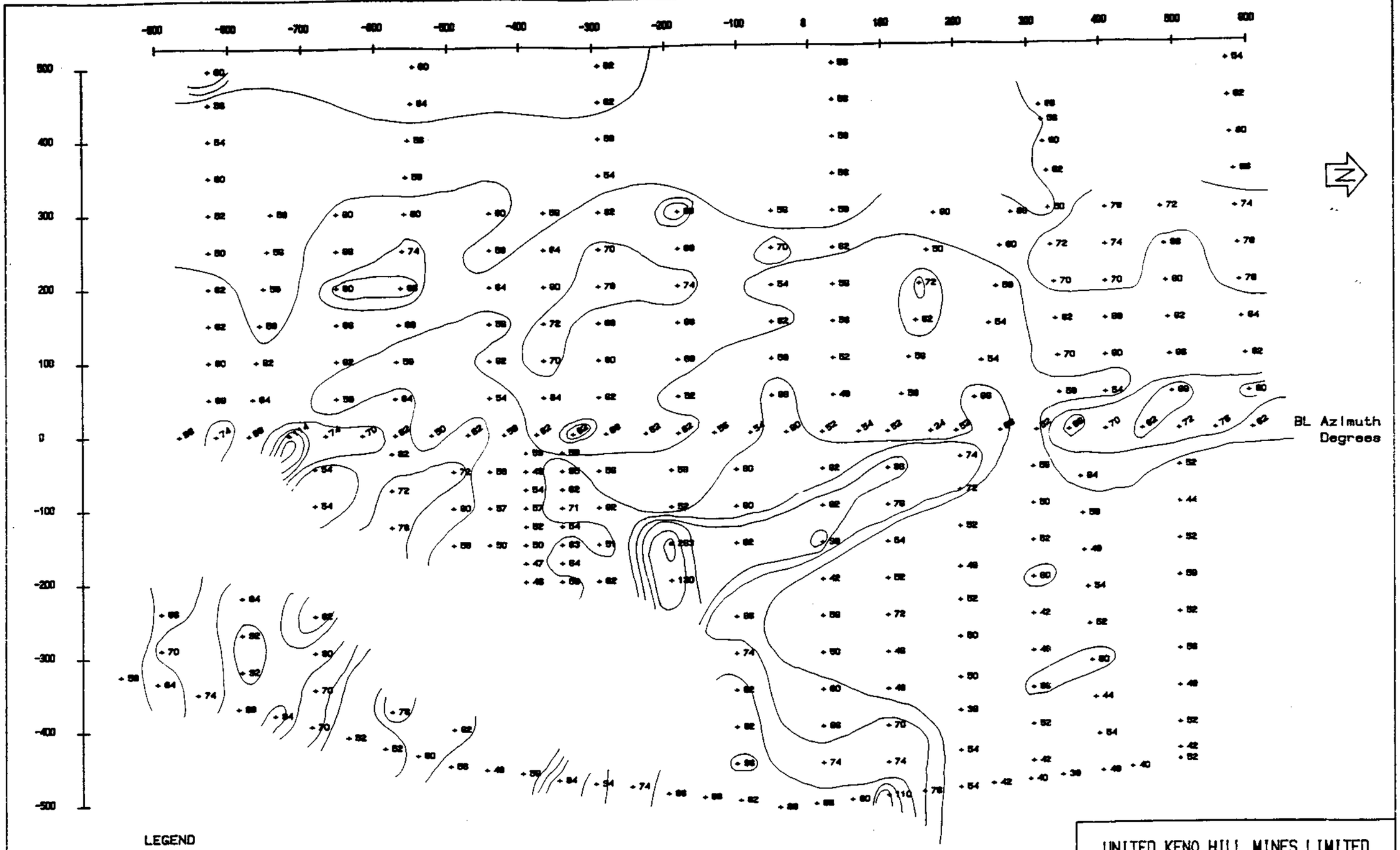


UNITED KENO HILL MINES LIMITED

UPPER SULPHUR CREEK
SILVER GEOCHEMISTRY in ppm

DRAWN BY: Roland DXY	DATE: May 12/87
N.T.S.: 115 O/15	FIGURE NO.:


-900 -800 -700 -600 -500 -400 -300 -200 -100 0 100 200 300 400 500 600
900 400 300 200 100 0 -100 -200 -300 -400 -500
BL Azimuth
Degrees
LEGEND
> 100 ppm
> 50 ppm
> 25 ppm
> 20 ppm
> 15 ppm
> 12 ppm
SCALE 1:5000
0 50 100 200 300m
UNITED KENO HILL MINES LIMITED
UPPER SULPHUR CREEK
LEAD GEOCHEMISTRY in ppm
DRAWN BY: Roland DXY
DATE: May 12/87
N.T.S.: 115 O/15
FIGURE NO.:



LEGEND

- ☐ > 200 ppm
- ☐ > 100 ppm
- ☐ > 90 ppm
- ☐ > 80 ppm
- ☐ > 70 ppm
- ☐ > 60 ppm

SCALE 1:5000

0 50 100 200 300m

UNITED KENO HILL MINES LIMITED

UPPER SULPHUR CREEK

ZINC GEOCHEMISTRY in ppm

DRAWN BY: Roland DXY	DATE: May 12/87
N.T.S.: 115 G/15	FIGURE NO.:

TABLE I

LITHOLOGIC UNITS IN THE KLONDIKE DISTRICT

1. FELSIC INTRUSIVES
   a) massive quartz-diorite
   b) blocky grey-brown weathering gneiss
   c) slabby quartz-muscovite schist +/- quartz eyes +/- chlorite

2. INTERMEDIATE INTRUSIVES
   a) meta-diorite, weakly to moderately gneissic

3. MAFIC INTRUSIVES
   a) coarse grained intrusive, locally altered to amphibolite and chlorite

4. ULTRAMAFICS

5. MORTENSEN'S FELSIC SCHIST
   a) tan to rusty weathering quartz-muscovite schist

6. ANDESITE PORPHYRY
   a) massive, weakly foliated porphyry with quartz and/or feldspar phenocrysts
   b) sheared and recrystallized porphyry - "quartz eye schist"; quartz-muscovite schist +/- blue to white quartz eyes +/- minor chlorite
   c) banded and blocky quartz and/or feldspar porphyry; green fine grained groundmass
   d) banded and blocky pink and green gneiss; quartz-feldspar-muscovite-chlorite gneiss

7. MAFIC META-VOLCANICS
   a) amphibolite; massive fine grained
   b) quartz-chlorite gneiss +/- minor muscovite and abundant pyrite
   c) no rock type
   d) chlorite schist +/- minor muscovite +/- talc alteration +/- actinolite +/- disseminated pyrite +/- quartz sweats
   e) muscovite schist +/- minor chlorite +/- quartz sweats
   f) siliceous schist; fine grained, white to rusty muscovite-feldspar-quartz schist +/- pyrite
   g) highly altered equivalent of 7b and 7d; incompetent, yellow-orange weathering saprolite

8. CARBONACEOUS META-SEDIMENTS
   a) graphite-phyllite schist
   b) massive to moderately gneissic quartzite; black to blue-grey sucrosic quartz +/- minor sericite +/- graphite

9. FELSIC META-VOLCANICS
   a) quartz-feldspar porphyry rhyolite
   b) rusty weathering rhyolite

LOCAL GEOLOGY

The geology of the area was mapped by means of rock chips present in the soil and by rare occurences of outcrop. The rocks to the west and east of the creek are chlorite schists and quartz-chlorite gneisses. The rock unit which, for the most part, underlies the creek is an incompetent chlorite-sericite-talc schist.

The dominant schistosity dips westward between 10 and 40 degrees, however, drill hole data indicates that the rock units are generally flat lying. Two well developed vertical joint planes are seen in outcrop trending at 50 and 320 degrees. There is considerable manganese staining on the joint plane surfaces. The only visible mineralization is abundant pyrite which is present in the chlorite schist.

A)QUARTZ-CHLORITE GNEISS:

This competent rock unit shows compositional banding of green chlorite and sericite alternating with white sucrosic quartz rich layers. In some cases banding is very fine and highly contorted. Some large scale, coarse grained milky white quartz sweats are present in the gneiss as well as occasional disseminated pyrite.

B)CHLORITE SCHIST:

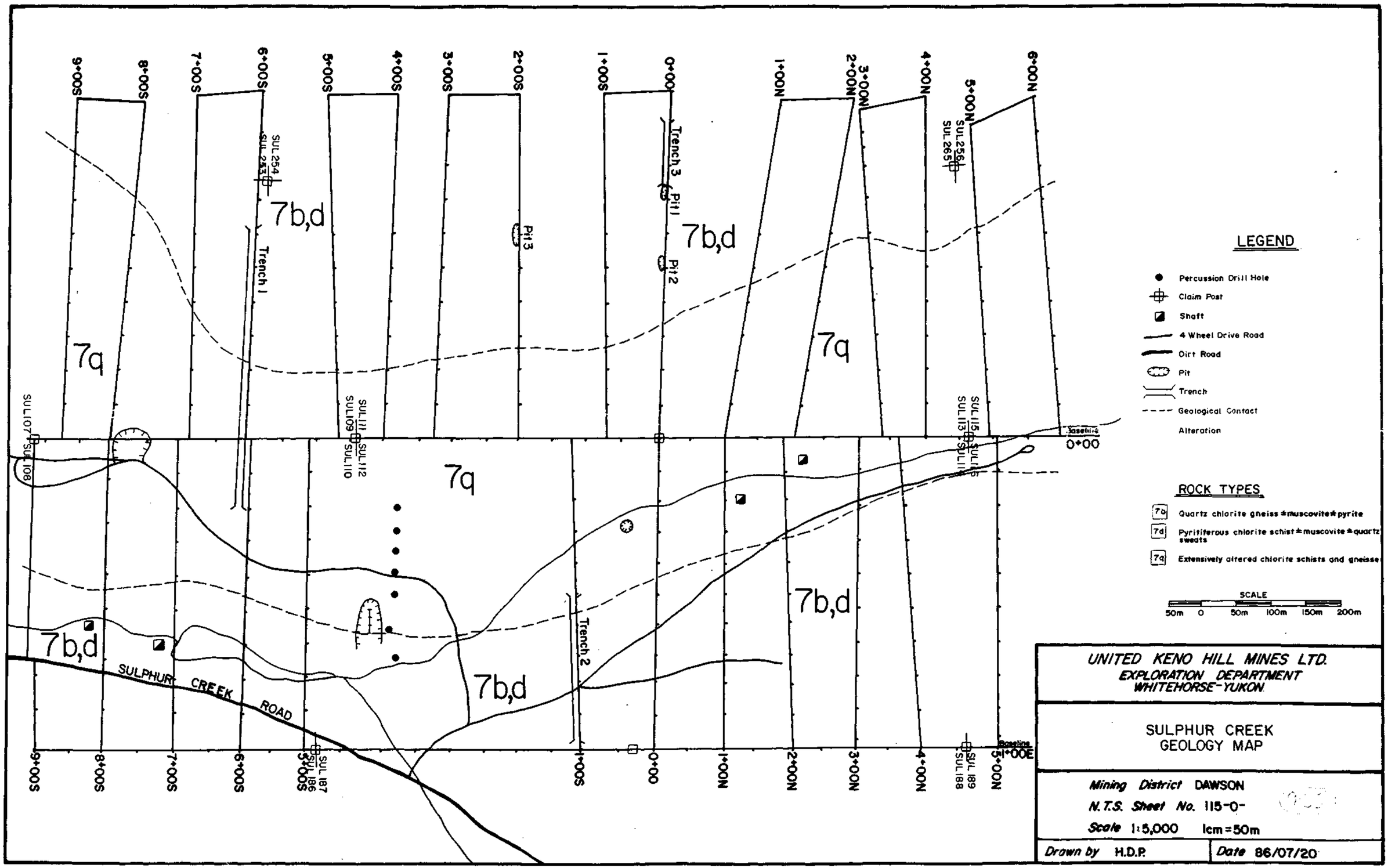
This well foliated schist is composed dominantly of chlorite with varying amounts of sericite and quartz. Two distinguishing features of the unit include the presence of abundant pyrite and small (up to 10cm) translucent quartz boudins. Often the pyrite is aligned along the contact between the quartz boudins and the schist.

C)CHLORITE-SERICITE-TALC SCHIST:

This incompetent unit appears saprolitic in nature. The rock retains original structures and textures yet will crumble to sand-silt sized material under hand pressure. The unit has a distinctive yellow-orange coloration which defines its extent and probably was caused by fluids percolating through the rock. The talc and sericite also give the unit a distinctive greasy feel. Relict textures and features include a schistose nature, and the presence of small quartz boudins and oxidized pyrite.

SOIL SAMPLING

A grid system was set up over eight full claims and parts of eight others and was subsequently soil sampled. The base line (BLO) was run along the claim line parallel to the creek and sampled at 50 meter intervals from 9+00S to 6+00N with claim post SUL 111-114 used as reference point 0+00. Sample lines 100 meters apart were extended westward 300 meters at approximately 273 degrees and sampled at 50 meter intervals. Every third line was



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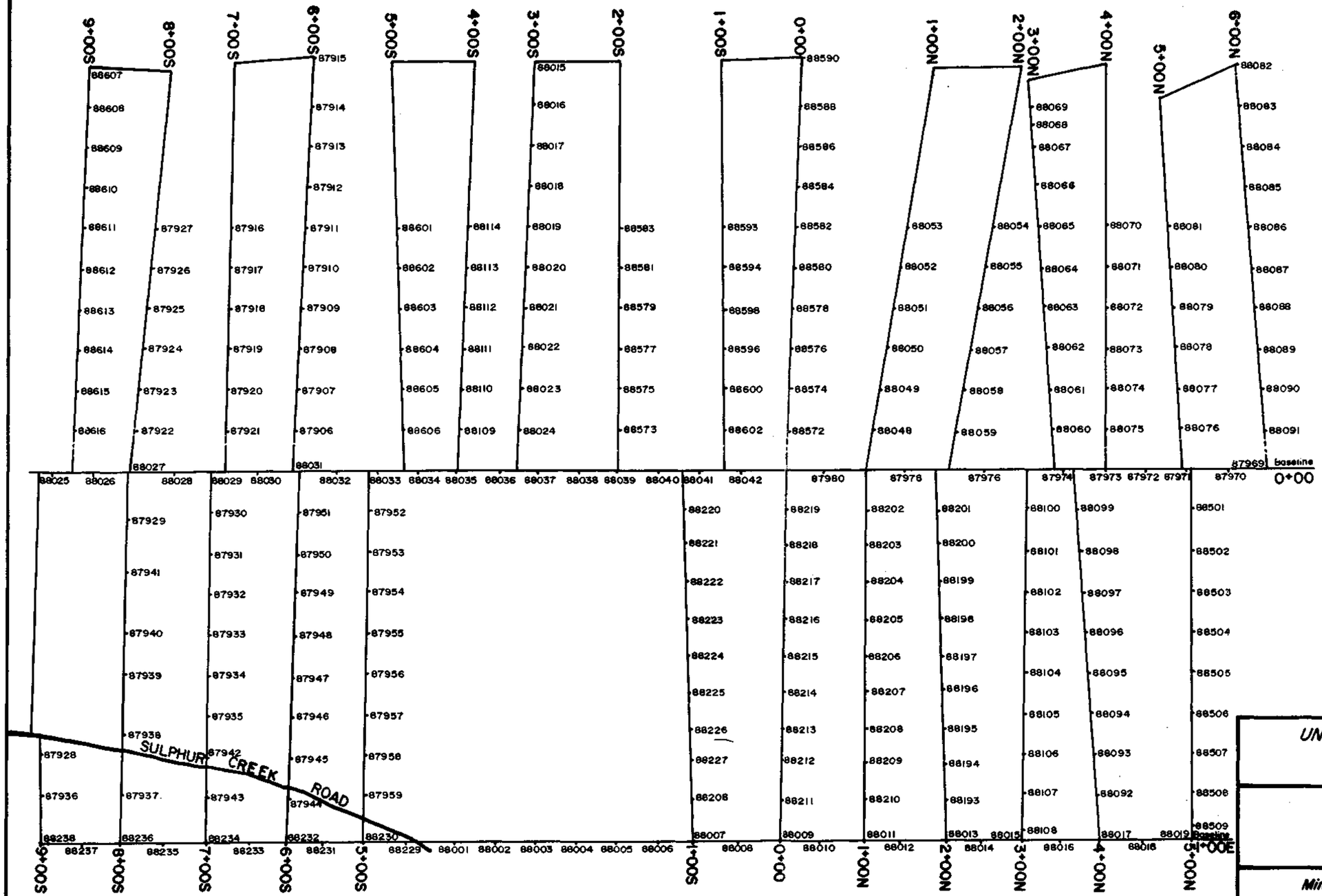
EXPLORATION DEPARTMENT
WHITEHORSE-YUKON

SULPHUR CREEK GEOLOGY MAP

Mining District DAWSON
N.T.S. Sheet No. 115-O-
Scale 1:5,000 1cm=50m

Drawn by H.D.P.
Date 86/07/20



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EXPLORATION DEPARTMENT
WHITEHORSE-YUKON

SULPHUR CREEK SAMPLE LOCATION MAP

Mining District DAWSON
N.T.S. Sheet No. 115-O-
Scale 1:5,000 1cm=50m

Drawn by H.D.P.
Date 86/07/20

extended a full 500 meters for additional coverage. To the east, lines were extended roughly 450 meters to the next claim line and similarly sampled at 50 meter intervals.

The 269 grid soil samples collected were sent to Chemex Labs Ltd. in Vancouver B.C. for semi quantitative multi element (31) ICP analysis. Geochemical results range from 0ppb to 240ppb Au with the background approximately 3ppb. Four north to northwesterly trending anomalous Au zones were delineated:

Anomaly I - Present in the southwest part of the grid, this anomaly trends north discontinuously for about 800 meters. Values range between 12ppb and 138ppb Au.

Anomaly II - A 300 meter north trending zone along baseline 0 in the south part of the grid. Slightly anomalous Au values are present ranging from 13-16ppb.

Anomaly III - A northwest trending Au anomaly at least 700 meters in length and in places 200 meters wide. Located in the northwest part of the grid, the upper 300 meters of the anomaly parallels the creek and high values are likely due to placer gold. Values range from 10ppb to 55ppb Au.

Anomaly IV - Located 150 meters east and parallel to Anomaly III, this anomaly is at least 200 meters in length with values ranging from 10ppb to 20ppb Au.

VLF SURVEY

VLF was run over the soil sample grid using a Phoenix VLF II unit. Lines were spaced 100 meters apart with stations at 50 meter intervals. The data was "Fraser Filtered", plotted and contoured.

A series of dominantly N-S trending VLF anomalies correspond well with the edges of the altered rock zone on the western half of the property. Several anomalous Au soil values are coincident with the higher Fraser Filtered VLF values in this area also. Towards the southeast corner of the study area, another strong VLF lineation parallels the edge of the contact zone between the altered and unaltered rock although there are no corresponding Au anomalies. A large, anomalous VLF zone in the northeast part of the grid has no associated geological contacts or anomalous Au values.

An extention of the grid to 900 meters west in the extreme SW corner of the grid led to the delineation of the largest VLF anomaly on the property. A very strong NE-SW trending conductor is present near the crest of the ridge to the west of Sulphur Creek. The source of the anomaly is unknown.

TRENCHING

Three backhoe trenches and three pits totaling 5,082 cubic meters were dug in the Upper Sulphur Creek property using a Cat 235 contracted from Klondike Transport Ltd. of Dawson City, Yukon. The trench locations were based on anomalous Au values in the soils. All trenches and pits were dug on the western half of the property excepting Trench #2 which is located east of the creek. Moving from the perimeters of the trenches towards the creek, the trenches show a change in rock type from the quartz-chlorite schist/gneiss to the altered chl-ser-talc schist.

The trenching was moderately successful in that it exposed and defined the surface extent of the altered unit (chl-ser-talc schist). Anomalous Au zones were uncovered in both Trench #1 and #2, with the backround levels being less than 5ppb Au.

All trenches were geochemically sampled at five meter intervals. The 137 geochemical samples collected from the trenches were sent to Chemex Labs Ltd. in Vancouver B.C. for semi quantitative multi element (31) ICP analysis.

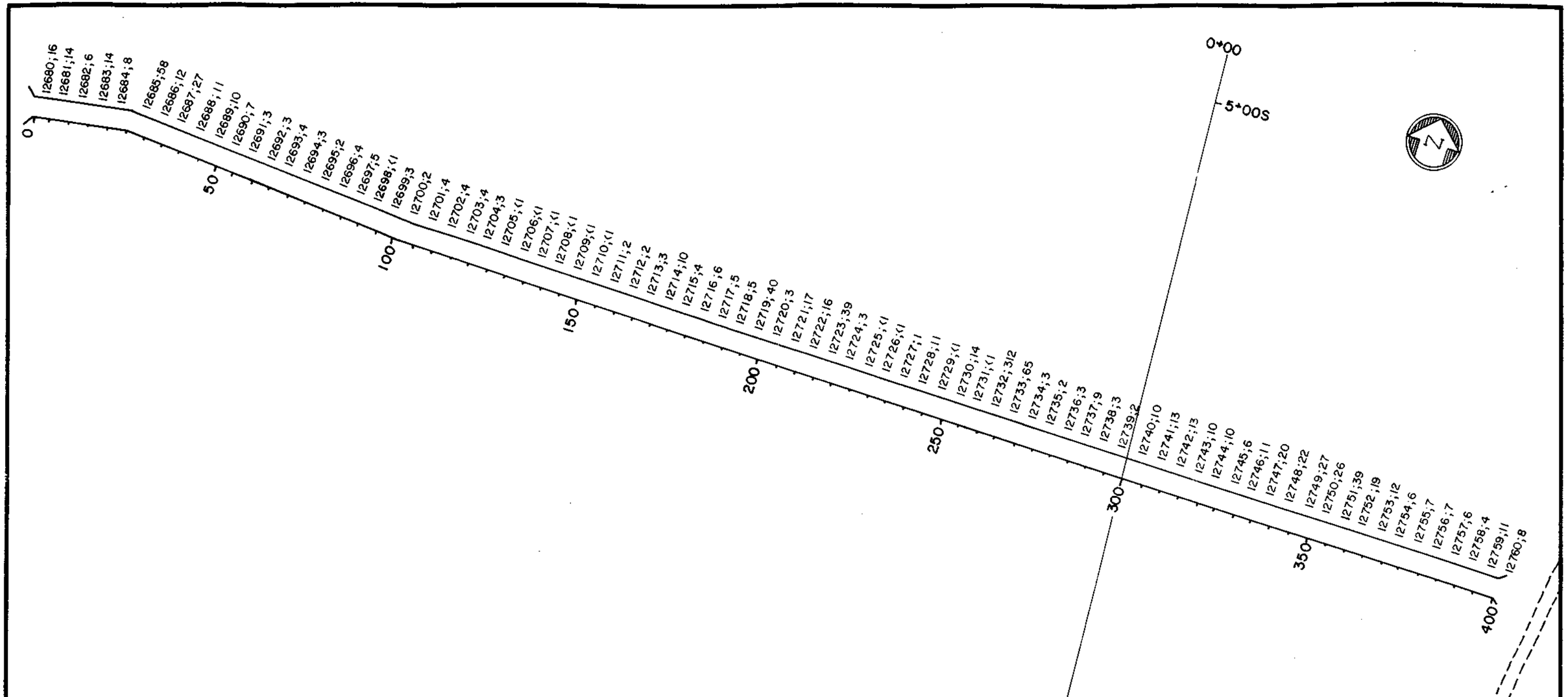
Trench	Meters	Sample Numbers	Total # samples
U.Sul Tr-1	405	12633-12635	
		12680-12760	84
U.Sul Tr-2	200	12761-12798	38
U.Sul Tr-3	100	12799-12808	10
U.Sul Pit 2	5	12809	1
U.Sul Pit 3	16	12810-12813	4
Totals	726		137

Note: Pit 1 is located at the east end of U.Sul Tr-3.

Trench #1 exposed four zones which returned assays greater than 25ppb Au, with three of the four being present in the altered rock. The deepest part of the trench (in the altered unit) produced the highest assay results, 312ppb and 65ppb, both taken over five meter intervals.

Trench #2 exposed two interesting anomalous Au zones. The first returned values of 17ppb, 23ppb, and 50ppb Au all over five meter intervals associated with a deep red, iron stained zone in the altered rock. The second anomalous area is in the quartz-chlorite gneiss and the chlorite schist exposed at the extreme eastern extent of the trench. Here, a 60 meter zone returned five assays greater than 25ppb over five meters, with two intervals assaying over 90ppb Au.

Trench #3 and the three pits returned no values over 25ppb.



SCALE

10m 5m 0 10m 30m 50m

Note: Trench width exagerated to show greater detail.
12723;39 Sample number; Au p.p.b.

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EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

SULPHUR CREEK
TRENCH #1 SAMPLE LOCATIONS

Mining District DAWSON
N.T.S. Sheet No. 115-O-15
Scale 1:1,000 1cm=10m

Drawn by H.D.P. | *Date* 87/05/26

▲ Chlorite schist = muscovite, talc, quartz carbonate sweats, limonite staining and bands of tan to rusty muscovite chlorite schist.

▲▲ Chlorite muscovite schist, quartz chlorite gneiss ₩ cross cutting quartz veinlets and quartz carbonate sweats.

0

0+00

5+00S

7+00S

N

0 50m 100m 150m 200m 250m 300m 350m 400m

7d,b ▲▲ Chlorite schist = muscovite = quartz carbonate sweats ₩ limonite staining.

As above up to 6" thick

7d Chlorite muscovite = muscovite chlorite schist = minor talc alteration

Chlorite schist = muscovite = quartz sweats, tan to yellow clay alteration zone 5' thick.

Chlorite schist = muscovite = quartz sweats.

As above with Manganese soot filled vugs.

As above with talc and Manganese soot filled vugs.

As above with talc and some gneissic variation.

As above with cross cutting veinlets.

As above with = talc and layers of tan to rusty schist.

7d,a Chlorite schist and fine grained amphibolite = quartz carbonate sweats

As above, no talc.

7d Chlorite muscovite schist = muscovite = talc (minor) = amphibolite = quartz carbonate sweats.

Massive rock = quartz carbonate sweats.

7a,e ₩ pyrite rich layers, chlorite schist = chlorite = quartz carbonate sweats, fine grained amphibolite.

As above w/o gneiss.

7d Chlorite muscovite schist = pyrite = quartz sweats.

As above w/o pyrite.

7e Muscovite chlorite schist = pyrite = quartz sweats.

clay and quartz sweats (up to 6' ₩ occasional yellow altered

7d,a Chlorite muscovite schist = pyrite, very fine grained amphibolite = quartz sweats, monzonite and limonite staining

As above w/o amphibolite.

7d,e Chlorite schist = muscovite, some muscovite chlorite schist = pyrite = quartz sweats

7b,d,e As above ₩ talc and quartz chlorite muscovite chlorite schist

Grey to tan muscovite chlorite schist = pyrite = quartz sweats ₩ limonite staining = cross cutting dark grey quartz.

Tan to rusty moderately to weakly altered muscovite chlorite schist = pyrite = quartz sweats.

7e As above ₩ white quartz, limonite and monzonite staining.

As above ₩ some extremly weathered zones.

6b Blue quartz eye chlorite muscovite schist = pyrite = quartz sweats, some extremly altered zones.

7e Tan to rusty muscovite schist = pyrite = quartz sweats ₩ occasional extremly altered zones.

6b Blue quartz eye chlorite schist = pyrite = quartz sweats.

As above w/o blue quartz eye and tan to rusty muscovite chlorite schist

7e Weak to extremly altered tan to rusty muscovite chlorite schist = pyrite = quartz sweats, limonite and monzonite staining.

As above.

6b Slabby to blocky quartz eye muscovite chlorite to rusty muscovite chlorite schist = pyrite = quartz sweats.

Tan to rusty muscovite chlorite schist and tan moderate to extremly altered, crumbles in hands.

7e

Moderate to extremly altered tan to rusty muscovite chlorite schist = limonite monzonite staining = quartz sweats = limonite monzonite pseudos, small spring in trench.

As above.

SCALE

10m 5m 0 10m 30m 50m

Note: Trench width exaggerated to show greater detail. See table 1 for unit description.

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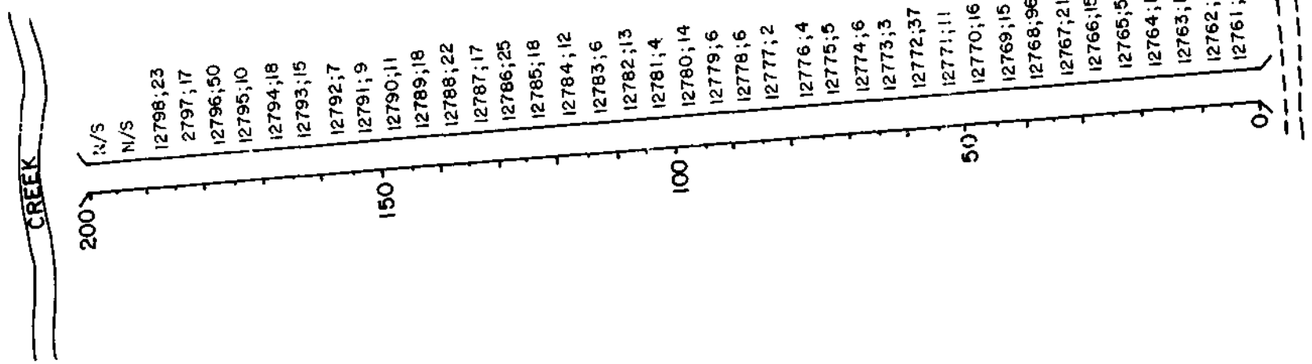
EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

SULPHUR CREEK TRENCH #1 GEOLOGY

Mining District DAWSON
N.T.S. Sheet No. 115-O-15
Scale 1:1,000 1cm = 10m
Drawn by H.D.P. | *Date* 87/06/04



SCALE

10m 5m 0 10m 30m 50m

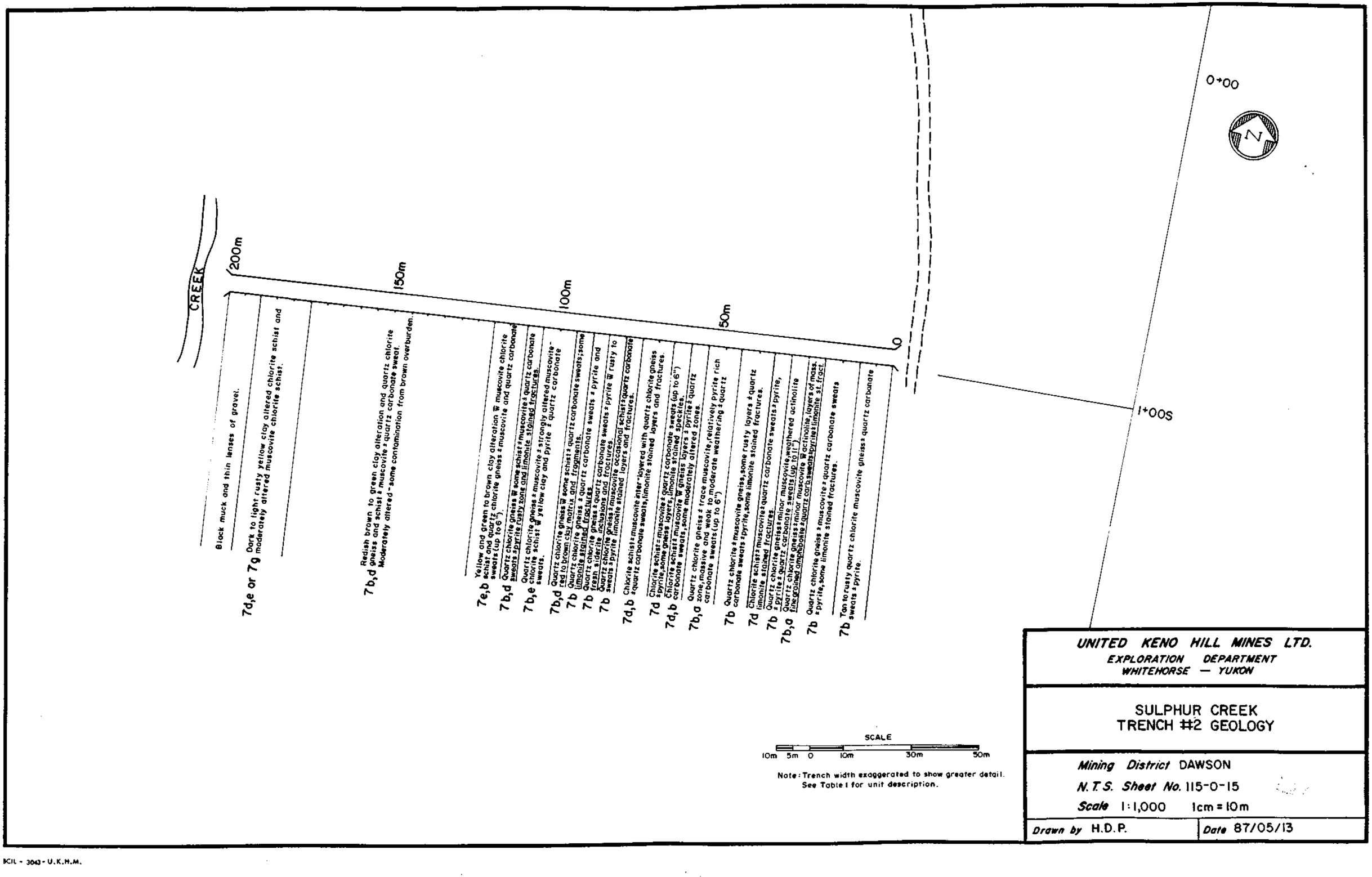
Note: Trench width exaggerated to show greater detail.
12793;15 Sample number; Au p.p.b.

UNITED KENO HILL MINES LTD.
EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

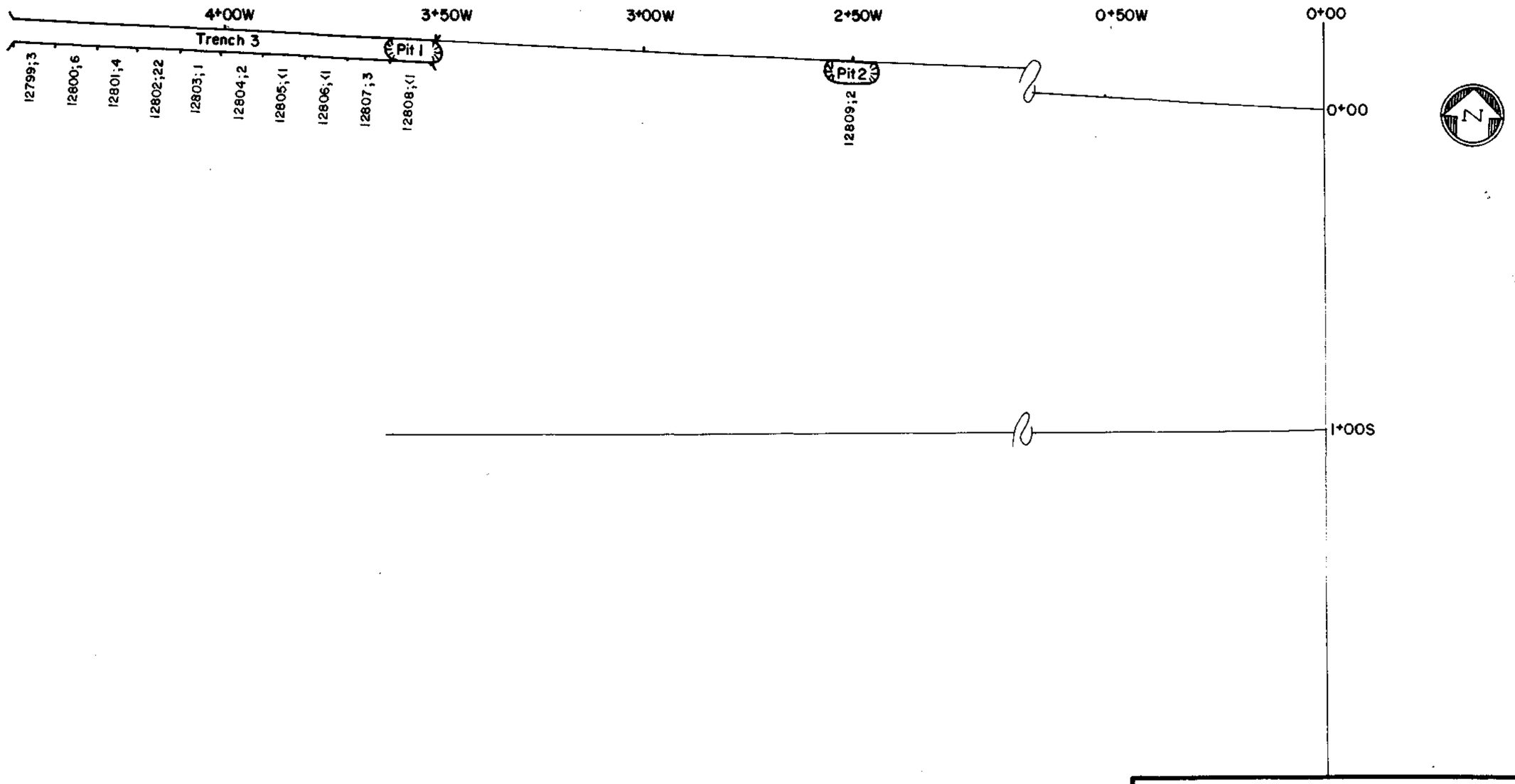
SULPHUR CREEK
TRENCH #2 SAMPLE LOCATIONS

Mining District DAWSON
N.T.S. Sheet No. 115-O-15
Scale 1:1,000 1cm=10m

Drawn by H.D.P. | *Date* 87/05/11



BCIL - 3043 - U.K.H.M.



SCALE

10m 5m 0 10m 30m 50m

Note: Trench width exaggerated to show greater detail.
12802;22 Sample number ; Au p.p.b.

UNITED KENO HILL MINES LTD.
EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

SULPHUR CREEK
TRENCH #3 AND PITS 1,2 & 3
SAMPLE LOCATIONS

Mining District DAWSON
N.T.S. Sheet No. 115-O-15
Scale 1:1,000 1cm=10m

Drawn by H.D.P. | *Date* 87/05/14

BCIL - 3043 - U.K.H.M.

4+00W

3+50W

3+00W

2+50W

0+50W

0+00

Trench 3

Pit 1

Pit 2

0+00

Quartz chlorite gneiss and fine grained amphibolite weak to moderately altered + quartz monzonite filled cavaties.

Relatively fresh rock fragments ranging in size from cobble to fine-grained; sub-angular to sub-rounded consisting of quartz chlorite gneiss, quartz sweats and amphibolite in a matrix of grey black silt with lenses of red brown rusty clay, with increasing depth, red brown clay and rock fragments predominant.

Red brown clay and rock fragments same as above. No green brown silt present.

N

1+00S

SCALE

10m 5m 0 10m 30m 50m

Note: Trench width exaggerated to show greater detail.

3+00W

2+50W

2+00S

Pit 3

Red brown clay and rock fragments

UNITED KENO HILL MINES LTD.
EXPLORATION DEPARTMENT
WHITEHORSE — YUKON

SULPHUR CREEK
TRENCH #3 AND PITS 1,2 & 3
GEOLOGY

Mining District DAWSON
N.T.S. Sheet No. 115-O-15
Scale 1:1,000 1cm=10m

Drawn by H.D.P. | *Date* 87/05/17

BCIL - 3043 - U.K.H.M.

DISCUSSION

The most interesting aspect of the Sulphur Creek study area pertains to the altered rock zone (chl-ser-talc schist) exposed during trenching and present in the stream cut. It was at the contact between this altered material and the underlying competent chlorite schist where the highest Au intersections occurred in the drill program (see Appendix I). VLF and Au soil anomalies also correspond well with the the surface expression of the contact, especially on the western half of the property.

Based on the relict textures and features present, including quartz boudins, oxidized pyrite, and a schistose nature, it is probable that the incompetent chl-ser-talc schist is a highly altered equivalent of the chlorite schist/quartz chlorite gneiss unit.

The geometry of the altered zone remains unclear. Based on drill hole data, outcrop, and the area exposed by the trenches, it would appear that the altered material forms a cuspate unit which is roughly centered on the creek. The extent and depth of the alteration increases as one proceeds from the hill side towards the creek bed.

The source of the alteration invokes three possibilities;

1) The alteration is hypogene
2) The alteration is supergene
3) The alteration is due to a combination of both hypogene and supergene processes.

It is important to ascertain which of these scenarios is correct as it will affect future exloration work in the area. A hypogene source would be most encouraging as it would infer the possibility of large scale, fault related epithermal Au mineralization as originally proposed in the model presented by McFaull, 1982. A combination of processes would also be encouraging as this would still imply fault related Au mineralization. If, however, supergene processes were in action, this would severly limit the extent of the mineralization and the possibility of increasing Au grades at depth. The potential of the deposit would therefore be substantially lowered.

CONCLUSIONS AND RECOMMENDATIONS

The 1986 field program at Sulphur Creek provided a wealth of information and some very interesting results yet the program was still inconclusive.

Anomalous Au values in the soil samples (up to 240ppb Au) led to the emplacment of three backhoe trenches and three pits on the property. Trenches #1 and #2 exposed six anomalous zones assaying

up to 312ppb Au over five meters in both the altered and unaltered rock types.

An accurate geological model, however, has not been established for the area. This means the source of the gold, the type of alteration, and the relevant structural features of the mineralized zone all remain unknown.

The usefulness of soil sampling in the area is in question. The anomalies found in the soils were closely matched by those exposed in the trenches, however, no soil anomalies were associated with the deeper seated gold mineralization detected in the drill holes. Thus, it appears that soil sampling will only be useful if the mineralized zones manifest themselves as anomalies at surface level.

VLF was useful in delineating structural features and conductive zones at Sulphur Creek but until a good geologic model is forwarded, this data remains enigmatic. Metamorphic or strata-bound Au mineralization may not have a definite VLF signature.

Two courses of action exist which would help to establish a geological model for the area, and therefore aid in furthur exploration activity. The first is an X-Ray Fluorescence (XRF) and Microprobe study of the clay minerals in the altered zone of the property. This would establish whether supergene or hypogene processes have been active in the area and whether or not a fault related epithermal system was in operation. The second alternative is closely spaced fence percussion drilling the area in order to ascertain the structural geology and hence the mineralizing processes that were active in the area. Drilling could also discover new zones of Au mineralization and delineate new targets.

As an XRF/Microprobe study could be completed at minimal cost and provide a great deal of useful information, it is recommended that this be the next step with regards to work on the Sulphur Creek property. Any drilling on Sulphur Creek should be postponed until the results of the XRF study and the 1987 soil sampling program are known.

APPENDIX I
UPPER SULPHUR CREEK DRILL SAMPLES

Drilling on Upper Sulphur Creek (USC), claim number 112, took place in the fall of 1984. The program consisted of the drilling of eight holes, SUL 20 to SUL 27, in a drill fence roughly trending east (SUL 27), from the edge of the creek, to west (SUL 20) over a distance of approximately 700 feet or 210 meters. The depth of the drill holes progresses from 140 feet in the west to 360 feet in the east.

From each hole, rock chips and drill cuttings were sampled and bagged at five foot intervals for overburden and 10 foot intervals for bedrock. Gold assays of the samples indicated anomalous Au zones intersected in drill holes SUL 24 and SUL 25.

In conjunction with the 1986 exploration of USC, logging of the drill samples took place. Each sample from the eight drill holes was logged using a binocular microscope.

The drill samples consist of essentially fine grained (silt to fine sand size) rock material. Larger rock fragments become more abundant towards the bottom of each hole and at increasing depths towards the eastern edge of the drill fence.

Rock fragments in the samples consist of well foliated schistose material composed of quartz (>60%), mica/s, feldspar, +/- epidote, +/- pyrite. Three lithologic units were discerned from the samples. The division between these units being based on the chlorite versus muscovite (sericite) ratio of each sample. The three units are defined as follows:

1) Muscovite-quartz schist - >5% muscovite and <5% chlorite
2) Muscovite-chlorite-quartz schist - >5% muscovite and chlorite
3) Chlorite-quartz schist - >5% chlorite and <5% muscovite

The general lithological trend is essentially a gradational one from an upper muscovite rich schist to a lower chlorite rich schist. Beneath a 10 to 40 foot overburden layer is the 10 to 40 foot thick muscovite-quartz schist unit. This overlies a variable thickness of muscovite-chlorite-quartz schist. Below the muscovite-chlorite-quartz schist is the chlorite-quartz schist, which is also of variable thickness throughout the drill section.

To the east (SUL 26 and SUL 27), however, the chlorite-quartz schist extends virtually the entire depth of the drill hole. The upper muscovite-quartz schist is non-existent and the muscovite-chlorite-quartz schist is a small layer between an upper and lower chlorite-quartz schist. To the west (SUL 21 to SUL 23), a thick 60 to 90 foot muscovite-chlorite-quartz schist underlies the chlorite-quartz schist. As well, small lenses of muscovite-

quartz schist occur in the upper muscovite-chlorite-quartz schist.

Observed mineralization in the samples consists only of pyrite. Although present in all lithologic units, pyrite is especially common in the chlorite-quartz schist. In this unit, euhedral pyrite cubes occur preferentially at chlorite/quartz-sweat contacts. In the units above the chlorite schist, pyrite is well oxidized and altered.

Alteration of the rocks sampled in the drill holes consists of chlorite altering to talc and pyrite altering to limonite. The degree of alteration decreases with depth in the drill hole. In general, alteration ends towards the base of the chlorite- quartz schist and subsequent units are competent. The depth at which >50% of the sample is composed of rock fragments increases eastward through the drill section. The increased thickness of the chlorite-quartz schist eastward coupled with the fact that it is easily altered accounts for the deeper drill depths to reach competent rock in the easternmost drillholes.

The anomalous gold values in drill holes SUL 24 and SUL 25 occur in the muscovite-chlorite-quartz schist, above the chlorite-quartz schist / muscovite-chlorite-quartz schist contact.

APPENDIX II

UPPER SULPHUR COST BREAKDOWN

	COST
GENERAL	$11,051.19
GEOLOGICAL	$160.48
GEOCHEMICAL	$137.63
ASSAYS	$5,589.79
TRENCHING	$10,990.00
CAMP OPERATIONS	$980.28
VEHICLES	$1,594.26
TOTALS	$30,503.63

APPENDIX III

PERSONNEL

Geological Mapping By:

Thomas C. Stubens: program supervisor
#102 1234 West 14th Ave.
Vancouver, British Columbia
V6H 1P9

David Kenney: trenching supervisor
1275 Southwood Drive
Ottawa, Ontario
K2C 3C4

Alan Coutts
General Delivery
Elsa, Yukon
Y0B 1J0

Christopher MacAttee
General Delivery
Whitehorse, Yukon

Dennis Ouellette
Box 4155
Whitehorse, Yukon
Y1A 3S9

Geological Assistance By:

Garth Thompson: binocular microscope work
#11708 26th Avenue
Edmonton, Alberta
T6J 3R5

Doug Davis
#419 Pembina Hall
Edmonton, Alberta

Bruce Mezei
Apt. #307
Edmonton Alberta

Brad Skeeles
2962 West 30th Avenue
Vancouver, British Columbia
V6L 1V4

UNITED KENO HILL MINES LIMITED

APPENDIX IV

SUPPORT

Geochemical Analysis By:

Chemex Labs Limited
212 Brooksbank Ave.
North Vancouver, B.C.
V7J 2C1

Bondar-Clegg & Company Limited
136 Industrial Road
Whitehorse, Yukon
Y1A 2V1

Drafting By:

Holly Plaskett
409 Black Street
Whitehorse, Yukon
Y1A 2N2

Contracting By:

Klondike Transport Ltd.
P.O. Box 206
Dawson City, Yukon
Y0B 1G0

APPENDIX V

GROUPING CERTIFICATES

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

YUKON QUARTZ MINING ACT FORM "E" **Certificate No.** Q1505

GROUPING CERTIFICATE

Certificate that annual expenditure may, after recording claims, be made on any one of not more than sixteen claims grouped together for the performance of work.

MINING DISTRICT	CLAIM SHEET
DAWSON	115-0-15

This is to certify that in accordance with the provisions of section 52 of the YUKON QUARTZ MINING ACT the registered owner (s) or agent (s) of such owner (s) of the following mineral claims have filed a notice of his (their) intention to group such claims together for the performance of work: --

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
NATIONAL RESOURCES
JUN 14 1985
Dawson Mining District
MINING RECORDER

OFFICE DATE STAMP

CLAIM NAMES:	GRANT NUMBERS:
SUL #109	YA80236
SUL #112	YA80239
SUL #240 to #53	YA80901 to YA80913 incl.

Dated at Dawson , **in the Yukon Territory, this** 14th **day of** June , **19** 85

General Receipt No:	B01006
Date applied:	11 October 1985
Issued to:	

UNITED KENO HILL MINES LTD.

Mining Recorder

D.F. JENNINGS

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

YUKON QUARTZ MINING ACT FORM "E" **Certificate No.** Q1506

GROUPING CERTIFICATE

Certificate that annual expenditure may, after recording claims, be made on any one of not more than sixteen claims grouped together for the performance of work.

MINING DISTRICT	CLAIM SHEET
DAWSON	115-0-15

This is to certify that in accordance with the provisions of section 52 of the YUKON QUARTZ MINING ACT the registered owner (s) or agent (s) of such owner (s) of the following mineral claims have filed a notice of his (their) intention to group such claims together for the performance of work: --

OFFICE DATE STAMP

CLAIM NAMES:	GRANT NUMBERS:
SUL #83	YA80210
SUL #85	YA80212
SUL #87	YA80214
SUL #89	YA80216
SUL #91	YA80218
SUL #93	YA80220
SUL #95	YA80222
SUL #97	YA80224
SUL #99	YA80226
SUL #101	YA80228
SUL #103	YA80230
SUL #105	YA80232
SUL #107	YA80234
SUL #109	YA80236
SUL #112	YA80230
SUL #239	YA80900

Dated at Dawson **, in the Yukon Territory, this** 14th **day of** June **, 19** 85

General Receipt No:	B01006
Date applied:	22 October 1985
Issued to: UNITED KENO HILL MINES LTD.	

D.F. JENNINGS
A/ **Mining Recorder**

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

YUKON QUARTZ MINING ACT FORM "E" **Certificate No.** Q1507

GROUPING CERTIFICATE

Certificate that annual expenditure may, after recording claims, be made on any one of not more than sixteen claims grouped together for the performance of work.

MINING DISTRICT	CLAIM SHEET
DAWSON	115-0-15

This is to certify that in accordance with the provisions of section 52 of the YUKON QUARTZ MINING ACT the registered owner (s) or agent (s) of such owner (s) of the following mineral claims have filed a notice of his (their) intention to group such claims together for the performance of work: --

OFFICE DATE STAMP

CLAIM NAMES:	GRANT NUMBERS:
SUL #81	YA80208
SUL #84	YA80211
SUL #86	YA80213
SUL #88	YA80215
SUL #90	YA80217
SUL #92	YA80219
SUL #94	YA80221
SUL #96	YA80223
SUL #98	YA80225
SUL #100	YA80227
SUL #102	YA80229
SUL #104	YA80231
SUL #106	YA80233
SUL #108	YA80235
SUL #110	YA80237
SUL #112	YA80239

Dated at Dawson , **in the Yukon Territory, this** 14th **day of** June , **19** 85

General Receipt No:	B01006
Date applied:	22 October 1985
Issued to:	UNITED KENO HILL MINES LTD.

D.F. JENNINGS
A/ **Mining Recorder**

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

YUKON QUARTZ MINING ACT FORM "E" **Certificate No.** Q1508

GROUPING CERTIFICATE

Certificate that annual expenditure may, after recording claims, be made on any one of not more than sixteen claims grouped together for the performance of work.

MINING DISTRICT	CLAIM SHEET
DAWSON	115-0-15

This is to certify that in accordance with the provisions of section 52 of the YUKON QUARTZ MINING ACT the registered owner (s) or agent (s) of such owner (s) of the following mineral claims have filed a notice of his (their) intention to group such claims together for the performance of work: --

JUN 14 1985

OFFICE DATE STAMP

CLAIM NAMES:	GRANT NUMBERS:
SUL #110	YA80237
SUL #112	YA80239
SUL #173 to #186	YA80840 to YA80853 incl.

Dated at Dawson , **in the Yukon Territory, this** 14th **day** **of** June , 19 85

General Receipt No:	B01006
Date applied:	22 October 1985

Issued to:

UNITED KENO HILL MINES LTD.

Mining Recorder

D.F. JENNINGS

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

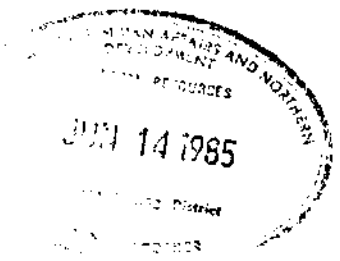
YUKON QUARTZ MINING ACT FORM "E" **Certificate No.** Q1509

GROUPING CERTIFICATE

Certificate that annual expenditure may, after recording claims, be made on any one of not more than sixteen claims grouped together for the performance of work.

MINING DISTRICT	CLAIM SHEET
DAWSON	115-0-15

This is to certify that in accordance with the provisions of section 52 of the YUKON QUARTZ MINING ACT the registered owner (s) or agent (s) of such owner (s) of the following mineral claims have filed a notice of his (their) intention to group such claims together for the performance of work: --



OFFICE DATE STAMP

CLAIM NAMES:	GRANT NUMBERS:
SUL #104	YA80231
SUL #106	YA80233
SUL #108	YA80235
SUL #110	YA80237
SUL #112	YA80239
SUL #184 to #192	YA80851 to YA80859 incl.
SUL #262 to #263	YA80923 to YA80924

Dated at Dawson **, in the Yukon Territory, this** 14th **day of** June **, 19** 85

General Receipt No:	B01006
Date applied:	22 October 1985
Issued to:	
UNITED KENO HILL MINES LTD.	

Mining Recorder
D.F. JENNINGS

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

YUKON QUARTZ MINING ACT FORM "E" **Certificate No.** Q1510

GROUPING CERTIFICATE

Certificate that annual expenditure may, after recording claims, be made on any one of not more than sixteen claims grouped together for the performance of work.

MINING DISTRICT	CLAIM SHEET
DAWSON	115-0-15

This is to certify that in accordance with the provisions of section 52 of the YUKON QUARTZ MINING ACT the registered owner (s) or agent (s) of such owner (s) of the following mineral claims have filed a notice of his (their) intention to group such claims together for the performance of work: --

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
MINERAL RESOURCES
JUN 14 1985
Dawson Mining District
OFFICE DATE STAMP

CLAIM NAMES:	GRANT NUMBERS:
SUL #112 to #124	YA80239 to YA80251 incl.
SUL #126	YA80253
SUL #128	YA80255

Dated at Dawson, in the Yukon Territory, this 14th day of June, 19 85

General Receipt No:	B01006
Date applied:	22 October 1985
Issued to:	UNITED KENO HILL MINES LTD.

Mining Recorder
D.F. JENNINGS

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

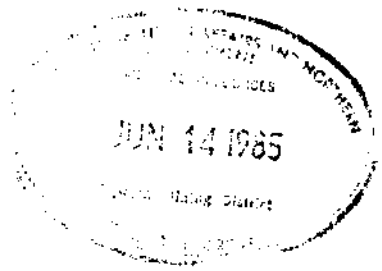
YUKON QUARTZ MINING ACT FORM "E" **Certificate No.** Q1511

GROUPING CERTIFICATE

Certificate that annual expenditure may, after recording claims, be made on any one of not more than sixteen claims grouped together for the performance of work.

MINING DISTRICT	CLAIM SHEET
DAWSON	115-0-15

This is to certify that in accordance with the provisions of section 52 of the YUKON QUARTZ MINING ACT the registered owner (s) or agent (s) of such owner (s) of the following mineral claims have filed a notice of his (their) intention to group such claims together for the performance of work: --



OFFICE DATE STAMP

CLAIM NAMES:	GRANT NUMBERS:
SUL #111 to #112	YA80238 to YA80239 incl.
SUL #125	YA80252
SUL #127	YA80254
SUL #129 to #132	YA80256 to YA80259 incl.
SUL #254 to #260	YA80915 to YA80921
SUL #265	YA80926

Dated at Dawson **, in the Yukon Territory, this** 14th **day of** June **,** 19 85

General Receipt No:	B01006
Date applied:	22 October 1985
Issued to:	
UNITED KENO HILL MINES LTD.	

Mining Recorder
D.F. JENNINGS

APPENDIX VI

ASSAY SHEETS

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

Certificate of Analysis

REPORT: 426-2505 PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Cu PCT	Pb PCT	Zn PCT	As PCT	Sb PCT	Cr PCT
R2 13001		0.002					1.10	9.30	
R2 13002		0.002							
R2 13003		0.006	0.02	<0.01	0.01	0.04			0.17
R2 13004		0.003	0.02	<0.01	0.01	0.01			0.18
R2 13005		<0.002	<0.02	<0.01	<0.01	<0.01			
R2 13007		<0.002	<0.02	<0.01	<0.01	<0.01			
R2 13008		<0.002	<0.02	<0.01	<0.01	<0.01			
R2 13009		<0.002	<0.02	<0.01	<0.01	<0.01			
R2 13010		<0.002	0.02	<0.01	<0.01	<0.01			
R2 13011		<0.002	0.02	<0.01	<0.01	<0.01			
R2 13012		<0.002	<0.02	<0.01	0.01	<0.01			
R2 13013		<0.002							
R2 13014		<0.002							
R2 13015		0.002							
R2 13016		0.002							
R2 13017		<0.002	<0.02	0.08	<0.01	0.10			
R2 13018		0.002							
R2 13019		<0.002	<0.02		<0.01	<0.01			
R2 13020		<0.002	<0.02		<0.01	<0.01			
R2 13021		<0.002	<0.02		<0.01	<0.01			
R2 13022		<0.002	<0.02		<0.01	<0.01			
R2 13023		<0.002	<0.02		<0.01	<0.01			
R2 13024		<0.002	<0.02		<0.01	<0.01			
R2 13025		<0.002	<0.02		<0.01	<0.01			

Registered Assayer, Province of British Columbia

Chemex Labs Ltd.

Analytical Chemists · Geochemists · Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ASSAY

TO : UNITED KENO HILL MINES LIMITED

409 BLACK ST.
WHITEHORSE, YUKON
Y1A 2N2

CERT. # : A8618897-001-A
INVOICE # : I8618887
DATE : 21-OCT-86
P.O. # : NONE
VARIOUS 1

Sample description	Prep code	Cu %	Pb %	Zn %	Ag oz/T	Au oz/T	
14253 Tack Cove	207	<0.01	<0.01	0.01	0.01	<0.002	--
14259 Upper Sulphur	207	<0.01	<0.01	0.02	0.03	<0.002	--
14260 [illegible]	207	<0.01	2.53	0.33	0.42	<0.002	--
14261 [illegible]	207	<0.01	0.44	0.40	3.19	<0.002	--
14262 [illegible]	207	<0.01	0.01	0.03	0.11	0.013	--

VOI rev. 4/85

W. Stan Bronson

Registered Assayer, Province of British Columbia

Chemex Labs Ltd.

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Telephone:(604) 984-0221
Telex: 043-52597

·Analytical Chemists ·Geochemists ·Registered Assayers

CERTIFICATE OF ANALYSIS

TO : UNITED KENO HILL MINES LIMITED

409 BLACK ST.
WHITEHORSE, YUKON
Y1A 2N2

CERT. # : A8615050-001-A
INVOICE # : I8615050
DATE : 5-AUG-86
P.O. # : NONE
SULPHUR CREEK

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	AAAu ppb FA+AA	Al %	As ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
87906	9	1.75	0.4	<10	270	<0.5	2	0.23	<0.5	9	24	22	3.01	<10	0.07	10	0.78	278	<1	0.01	16	530	12	<10	11	0.06	<10	<10	46	<10	64
87907	<1	1.68	0.2	10	270	<0.5	2	0.22	<0.5	10	24	24	2.83	<10	0.02	10	0.78	282	<1	0.01	16	350	12	<10	11	0.05	<10	<10	43	<10	58
87908	<1	2.25	0.6	<10	260	<0.5	3	0.22	<0.5	12	24	25	3.60	<10	0.03	10	0.94	361	<1	0.01	18	400	14	<10	11	0.05	<10	<10	56	<10	68
87909	<1	2.13	0.2	<10	140	<0.5	<2	0.14	<0.5	12	8	26	3.57	<10	0.01	<10	1.18	369	<1	<0.01	9	500	8	<10	4	0.02	<10	<10	33	<10	86
87910	3	1.92	0.2	<10	180	<0.5	<2	0.14	<0.5	10	17	26	3.25	<10	0.01	<10	0.90	216	<1	<0.01	14	300	10	<10	7	0.04	<10	<10	48	<10	74
87911	3	2.25	0.2	<10	370	<0.5	<2	0.19	<0.5	15	25	35	3.44	<10	0.01	10	0.90	457	<1	0.01	20	270	10	<10	10	0.05	<10	<10	56	<10	60
87912	<1	1.78	0.2	<10	350	<0.5	2	0.20	<0.5	10	22	24	2.88	<10	0.02	10	0.80	327	<1	0.01	17	160	10	<10	11	0.07	<10	<10	47	<10	56
87913	<1	1.52	0.2	<10	350	<0.5	<2	0.21	<0.5	9	20	21	2.67	<10	0.03	10	0.75	313	<1	<0.01	14	210	8	<10	10	0.07	<10	<10	39	<10	56
87914	<1	2.08	0.2	10	230	<0.5	<2	0.17	<0.5	12	25	22	3.50	<10	0.02	<10	0.81	338	<1	0.01	17	300	10	<10	9	0.09	<10	<10	53	<10	64
87915	<1	1.80	0.2	<10	330	<0.5	<2	0.21	<0.5	8	27	20	2.71	<10	0.04	10	0.55	260	<1	0.01	17	170	10	<10	11	0.12	<10	<10	37	<10	60
87916	<1	1.82	0.2	<10	290	<0.5	<2	0.22	<0.5	9	24	20	2.70	<10	0.03	10	0.71	285	<1	0.01	16	230	8	<10	10	0.08	<10	<10	42	<10	60
87917	5	1.84	0.2	10	510	<0.5	<2	0.49	<0.5	12	26	25	2.91	<10	0.01	10	0.72	592	<1	0.01	19	200	10	<10	18	0.07	<10	<10	44	<10	66
87918	16	2.29	0.2	<10	280	<0.5	<2	0.26	<0.5	13	22	27	3.69	<10	0.02	10	1.14	403	<1	0.01	17	480	10	<10	9	0.04	<10	<10	50	<10	80
87919	<1	2.04	0.2	<10	260	<0.5	<2	0.21	<0.5	10	18	23	2.98	<10	0.03	10	0.94	277	<1	0.01	14	340	10	<10	9	0.04	<10	<10	50	<10	66
87920	1	1.99	0.2	<10	260	<0.5	<2	0.22	<0.5	11	22	28	3.20	<10	0.02	10	0.94	325	<1	0.01	16	300	8	<10	11	0.06	<10	<10	51	<10	62
87921	<1	1.85	0.2	<10	250	<0.5	<2	0.24	<0.5	9	18	17	3.12	<10	0.03	10	0.86	301	<1	0.01	13	440	8	<10	11	0.06	<10	<10	60	<10	58
87922	2	1.86	0.2	<10	260	<0.5	<2	0.28	<0.5	10	22	29	3.10	<10	0.03	10	0.84	291	<1	0.01	17	450	8	<10	14	0.07	<10	<10	51	<10	64
87923	<1	1.90	0.2	<10	240	<0.5	2	0.26	<0.5	10	19	22	3.13	<10	0.04	10	0.77	288	<1	0.01	14	610	8	<10	11	0.06	<10	<10	52	<10	62
87924	32	1.68	0.2	<10	220	<0.5	<2	0.21	<0.5	8	22	17	2.87	<10	0.04	10	0.66	243	<1	0.01	14	380	10	<10	11	0.07	<10	<10	45	<10	58
87925	6	1.69	0.2	<10	390	<0.5	<2	0.41	<0.5	10	26	26	2.68	<10	0.06	10	0.67	376	<1	0.01	17	380	8	<10	19	0.12	<10	<10	44	<10	58
87926	<1	1.67	0.4	<10	280	<0.5	<2	0.27	<0.5	9	25	20	2.60	<10	0.06	10	0.57	280	<1	0.01	17	360	8	<10	14	0.11	<10	<10	43	<10	56
87927	<1	1.73	0.2	<10	220	<0.5	<2	0.23	<0.5	8	24	19	2.58	<10	0.05	10	0.67	228	<1	0.01	16	270	10	<10	12	0.10	<10	<10	41	<10	58
87928	3	1.36	0.2	10	470	<0.5	<2	0.83	<0.5	11	24	22	2.52	<10	0.04	10	0.51	803	<1	0.01	18	790	12	<10	38	0.05	<10	<10	44	<10	66
87930	8	1.44	0.2	<10	280	<0.5	<2	0.29	<0.5	10	14	19	2.56	<10	0.03	10	0.65	389	<1	0.01	13	680	8	<10	14	0.04	<10	<10	41	<10	54
87931	2	1.54	0.2	<10	380	<0.5	<2	0.27	<0.5	7	17	19	2.57	<10	0.02	10	0.59	217	<1	0.01	15	550	12	<10	16	0.03	<10	<10	40	<10	54
87935	16	0.96	0.2	<10	260	<0.5	<2	0.38	<0.5	8	15	16	2.06	<10	0.01	10	0.45	541	<1	0.01	12	690	14	<10	17	0.03	<10	<10	32	<10	62
87936	<1	1.15	0.2	10	280	<0.5	<2	0.47	<0.5	9	21	16	2.39	<10	0.03	10	0.51	362	<1	0.01	17	710	10	<10	21	0.05	<10	<10	41	<10	70
87937	7	1.16	0.2	10	300	<0.5	<2	0.60	<0.5	10	22	23	2.33	<10	0.04	10	0.55	466	<1	0.01	18	630	10	<10	24	0.05	<10	<10	41	<10	92
87938	<1	1.32	0.2	<10	300	<0.5	2	0.53	<0.5	11	25	24	2.58	<10	0.05	10	0.61	509	<1	0.01	18	730	18	<10	25	0.07	<10	<10	48	<10	92
87939	4	1.48	0.2	<10	340	<0.5	<2	0.55	<0.5	10	29	27	3.00	<10	0.05	20	0.59	466	<1	0.01	20	760	20	<10	26	0.08	<10	<10	50	<10	84
87942	5	1.44	0.2	10	450	<0.5	<2	0.53	<0.5	12	30	25	2.82	10	0.06	20	0.58	403	<1	0.02	20	790	20	<10	27	0.08	<10	<10	54	<10	80
87943	<1	1.28	0.2	10	350	<0.5	<2	0.61	<0.5	11	31	22	2.53	<10	0.07	20	0.51	434	<1	0.02	22	800	10	<10	29	0.09	<10	<10	50	<10	70
87944	<1	1.06	0.2	10	590	<0.5	<2	1.09	<0.5	12	24	26	2.14	<10	0.04	10	0.46	2368	<1	0.02	26	820	12	<10	39	0.05	<10	<10	37	<10	76
87949	2	2.22	0.2	<10	350	<0.5	2	0.33	<0.5	11	25	28	3.48	<10	0.05	10	0.91	345	<1	0.01	19	460	12	<10	17	0.07	<10	<10	58	<10	76
87950	12	1.89	0.2	10	200	<0.5	<2	0.35	<0.5	10	21	22	3.09	<10	0.04	10	0.92	318	<1	0.01	14	550	10	<10	14	0.09	<10	<10	51	<10	72
87951	3	1.71	0.2	<10	230	<0.5	<2	0.28	<0.5	9	20	23	2.86	<10	0.04	10	0.89	291	<1	<0.01	14	470	10	<10	12	0.06	<10	<10	44	<10	62
87952	1	1.65	0.2	<10	260	<0.5	<2	0.33	<0.5	10	23	29	3.12	<10	0.03	10	0.90	323	<1	0.01	16	580	12	<10	14	0.06	<10	<10	49	<10	72
87953	<1	1.41	0.2	<10	210	<0.5	<2	0.27	<0.5	8	20	21	2.59	<10	0.03	10	0.69	259	<1	0.01	13	590	8	<10	12	0.05	<10	<10	41	<10	60
87954	2	1.65	0.2	<10	170	<0.5	2	0.26	<0.5	7	16	22	2.97	<10	0.02	10	0.68	262	<1	<0.01	12	860	8	<10	9	0.04	<10	<10	36	<10	58
87959	5	1.01	0.2	<10	340	<0.5	<2	0.63	<0.5	9	24	19	2.15	<10	0.04	10	0.48	347	<1	0.01	22	750	8	<10	26	0.05	<10	<10	38	<10	62

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CERTIFICATE OF ANALYSIS

TO : UNITED KENO HILL MINES LIMITED

409 BLACK ST.
WHITEHORSE, YUKON
Y1A 2N2

CERT. # : A8615050-002-A
INVOICE # : I8615050
DATE : 5-AUG-86
P.O. # : NONE
SULPHUR CREEK

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au ppb	Au FA+AA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
87969	10	10	1.35	0.2	10	190	<0.5	4	0.40	<0.5	8	107	15	2.42	<10	0.06	10	0.83	220	<1	0.02	14	930	8	<10	18	0.03	<10	<10	33	<10	62
87970	5	5	1.62	0.2	10	250	<0.5	<2	0.44	<0.5	12	96	24	2.87	<10	0.08	10	0.93	339	<1	0.02	19	750	14	<10	21	0.04	<10	<10	42	<10	76
87971	16	15	1.60	0.2	20	280	<0.5	2	0.47	<0.5	14	175	14	3.36	<10	0.08	20	0.86	461	<1	0.02	16	1080	12	<10	19	0.04	<10	<10	45	<10	72
87972	10	5	1.75	0.2	10	390	<0.5	2	0.49	<0.5	11	89	17	2.71	<10	0.09	10	0.96	416	<1	0.02	18	800	8	<10	25	0.04	<10	<10	42	<10	82
87973	7	10	1.76	0.2	10	450	<0.5	<2	0.44	<0.5	14	129	19	3.12	<10	0.08	20	0.87	710	<1	0.02	21	730	10	<10	24	0.05	<10	<10	43	<10	70
87974	7	20	2.06	0.2	20	430	<0.5	<2	0.40	<0.5	14	84	24	3.83	<10	0.10	20	1.12	618	<1	0.02	23	610	14	<10	23	0.04	<10	<10	49	<10	86
87975	3	<5	1.78	0.2	10	380	<0.5	2	0.46	<0.5	14	127	26	2.76	<10	0.06	10	0.78	684	<1	0.02	19	720	10	<10	28	0.07	<10	<10	49	<10	52
87976	<1	5	1.89	0.2	<10	360	<0.5	2	0.34	<0.5	14	96	19	2.83	<10	0.06	10	0.85	445	<1	0.01	18	600	8	<10	19	0.09	<10	<10	48	<10	66
87977	5	<5	1.76	0.2	<10	410	<0.5	<2	0.38	<0.5	7	275	17	2.39	<10	0.08	10	0.62	183	<1	0.04	17	810	10	<10	25	0.08	<10	<10	49	<10	52
87978	<1	<5	0.35	0.2	10	610	<0.5	<2	0.45	<0.5	6	1	13	0.55	<10	0.04	10	0.08	109	<1	0.02	5	1010	<2	<10	40	<0.01	<10	<10	1	<10	24
87979	<1	<5	1.71	0.2	<10	350	<0.5	<2	0.42	<0.5	7	199	16	2.36	<10	0.07	10	0.50	122	<1	0.02	15	520	8	<10	22	0.15	<10	<10	46	<10	52
87980	<1	<5	1.76	0.2	10	390	<0.5	<2	0.43	<0.5	8	115	18	2.64	<10	0.09	10	0.60	229	<1	0.02	15	640	8	<10	24	0.14	<10	<10	50	<10	54
87981	2	10	1.66	0.2	<10	250	<0.5	2	0.39	<0.5	7	186	16	2.34	<10	0.08	10	0.55	188	<1	0.02	14	500	10	<10	23	0.12	<10	<10	49	<10	52
88001	<10	<5	0.19	0.2	10	180	<0.5	<2	0.61	<0.5	1	10	13	0.38	<10	0.02	<10	0.09	322	<1	0.01	4	770	2	<10	31	<0.01	<10	<10	2	<10	56
88002	13	10	2.72	0.2	10	290	<0.5	2	0.51	<0.5	18	256	38	3.92	10	0.09	20	1.82	670	<1	0.02	69	600	20	<10	21	0.06	<10	<10	74	<10	94
88003	4	10	2.39	0.2	10	420	<0.5	<2	0.37	<0.5	16	134	25	3.72	10	0.11	10	1.08	911	<1	0.02	33	560	22	<10	19	0.04	<10	<10	56	<10	94
88004	280	380	2.14	0.2	<10	470	<0.5	2	0.41	<0.5	12	220	26	3.38	10	0.12	10	0.72	484	<1	0.03	21	530	18	<10	23	0.06	<10	<10	50	<10	74
88005	6	15	1.96	0.2	10	470	<0.5	<2	0.53	<0.5	11	45	30	3.38	10	0.06	10	0.75	575	<1	0.01	25	640	18	<10	25	0.04	<10	<10	46	<10	86
88006	10	10	1.88	0.2	<10	510	<0.5	2	0.44	<0.5	12	50	27	3.08	10	0.04	10	0.98	624	<1	0.01	26	610	20	<10	20	0.03	<10	<10	38	<10	86
88007	5	40	2.24	0.2	<10	460	<0.5	<2	0.34	<0.5	11	56	21	3.34	<10	0.05	20	1.13	347	<1	0.01	28	400	18	<10	16	0.06	<10	<10	48	<10	82
88008	10	35	2.39	0.2	<10	360	<0.5	2	0.34	<0.5	10	42	16	3.67	10	0.04	10	1.43	436	<1	0.01	20	700	12	<10	11	0.03	<10	<10	35	<10	88
88009	3	10	3.13	0.2	<10	250	<0.5	<2	0.54	<0.5	24	279	35	3.89	10	0.01	10	2.36	541	<1	0.01	104	460	18	<10	19	0.08	<10	<10	86	<10	86
88010	3	10	2.55	0.2	<10	290	<0.5	4	0.43	<0.5	17	147	28	3.52	10	0.03	10	1.50	514	<1	0.01	61	480	16	<10	17	0.06	<10	<10	66	<10	80
88011	7	5	3.35	0.2	10	250	<0.5	<2	0.37	<0.5	27	286	44	4.63	10	0.02	10	2.55	668	<1	0.01	110	420	22	<10	13	0.04	<10	<10	92	<10	110
88012	8	15	2.54	0.2	<10	290	<0.5	2	0.25	<0.5	14	92	41	3.86	10	0.03	10	1.43	450	<1	0.01	42	470	12	<10	11	0.04	<10	<10	66	<10	76
88013	14	20	2.33	0.2	20	380	<0.5	<2	0.43	<0.5	18	50	33	3.94	10	0.04	20	1.22	1141	<1	0.01	26	450	12	<10	17	0.04	<10	<10	73	<10	54
88014	<1	10	1.99	0.2	20	300	<0.5	<2	0.17	<0.5	10	22	19	3.30	<10	0.03	10	0.81	372	<1	0.01	16	280	10	<10	10	0.04	<10	<10	56	<10	42
88015	2	<5	1.53	0.2	10	280	<0.5	<2	0.22	<0.5	7	22	18	2.51	<10	0.07	10	0.60	291	<1	0.01	15	500	12	<10	11	0.07	<10	<10	33	<10	62
88016	2	5	1.43	0.2	<10	250	<0.5	<2	0.20	<0.5	7	22	17	2.36	<10	0.06	10	0.48	240	<1	0.01	16	400	8	<10	11	0.08	<10	<10	34	<10	62
88017	<1	<5	1.35	0.2	<10	290	<0.5	<2	0.22	<0.5	6	23	16	2.25	<10	0.05	10	0.46	210	<1	0.01	14	360	10	<10	11	0.07	<10	<10	33	<10	58
88018	7	5	1.28	0.2	<10	240	<0.5	2	0.23	<0.5	8	18	20	2.28	<10	0.05	10	0.59	250	<1	0.01	14	410	8	<10	12	0.07	<10	<10	34	<10	54
88019	<1	<5	1.62	0.2	<10	280	<0.5	<2	0.26	<0.5	9	24	27	2.66	<10	0.05	10	0.68	318	<1	0.01	17	320	8	<10	12	0.07	<10	<10	42	<10	62
88020	138	<5	1.71	0.2	<10	260	<0.5	<2	0.35	<0.5	10	15	24	3.28	<10	0.07	10	0.81	527	<1	0.01	12	900	10	<10	14	0.03	<10	<10	35	<10	70
88021	5	<5	1.98	0.2	<10	230	<0.5	<2	0.25	<0.5	10	24	28	3.46	<10	0.05	10	0.91	332	<1	0.01	16	580	14	<10	11	0.06	<10	<10	56	<10	78
88022	2	<5	1.89	0.2	<10	220	<0.5	<2	0.20	<0.5	9	24	24	3.23	<10	0.05	10	0.84	315	<1	0.01	16	360	10	<10	10	0.07	<10	<10	52	<10	68
88023	5	35	1.56	0.2	<10	220	<0.5	<2	0.28	<0.5	9	20	29	2.87	<10	0.04	10	0.82	286	<1	0.01	14	410	6	<10	12	0.06	<10	<10	50	<10	60
88024	3	<5	1.78	0.2	<10	270	<0.5	<2	0.21	<0.5	10	22	22	2.91	<10	0.04	10	0.72	315	<1	0.01	15	520	8	<10	11	0.05	<10	<10	46	<10	62
88025	4	<5	1.78	0.2	<10	340	<0.5	<2	0.33	<0.5	10	24	31	2.98	<10	0.04	10	0.83	276	<1	0.01	16	580	10	<10	16	0.07	<10	<10	44	<10	68
88026	9	10	1.94	0.2	<10	410	<0.5	<2	0.40	<0.5	11	29	34	3.30	<10	0.05	20	0.85	359	<1	0.01	20	590	12	<10	20	0.08	<10	<10	49	<10	74
88027	2	5	2.00	0.4	<10	300	<0.5	<2	0.38	<0.5	11	20	24	3.43	<10	0.05	10	0.99	439	<1	0.01	14	640	8	<10	15	0.06	<10	<10	61	<10	68

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CERTIFICATE OF ANALYSIS

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WHITEHORSE, YUKON
Y1A 2N2

CERT. # : A8615050-003-A
INVOICE # : I8615050
DATE : 5-AUG-86
P.O. # : NONE
SULPHUR CREEK

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au FAAAu ppb	Au FAtAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
88028 -1325 E Stn.	10	4	<5	1.85	0.2	<10	140	<0.5	<2	0.48	<0.5	20	18	42	4.02	10	0.11	20	1.18	927	<1	0.01	17	1110	22	<10	17	0.03	<10	<10	57	<10	114
88029 -1275	0	3	<5	1.74	0.2	<10	270	<0.5	2	0.40	<0.5	10	28	31	3.40	<10	0.06	10	0.82	320	<1	0.01	19	610	12	<10	20	0.09	<10	<10	61	<10	74
88030 -1225	0	16	<5	1.69	0.2	10	290	<0.5	2	0.28	<0.5	8	23	22	2.97	<10	0.10	10	0.66	326	<1	0.01	16	770	12	<10	14	0.04	<10	<10	39	<10	70
88031 -1175	0	5	30	1.73	0.2	<10	300	<0.5	<2	0.31	<0.5	13	24	23	2.93	<10	0.06	10	0.74	548	<1	0.01	16	660	12	<10	15	0.06	<10	<10	46	<10	62
88032 -1125	0	<1	<5	1.30	0.2	<10	140	<0.5	<2	0.24	<0.5	8	17	17	2.43	<10	0.04	10	0.70	277	<1	0.01	11	550	10	<10	10	0.05	<10	<10	40	<10	50
88033 -1075	0	14	<5	1.79	0.2	<10	180	<0.5	<2	0.34	<0.5	10	21	24	2.97	<10	0.04	10	0.91	298	<1	0.01	15	540	10	<10	13	0.08	<10	<10	51	<10	62
88034 -1025	0	13	<5	1.68	0.2	<10	170	<0.5	<2	0.33	<0.5	9	17	24	2.85	<10	0.03	10	0.81	285	<1	0.01	14	650	8	<10	14	0.07	<10	<10	51	<10	58
88035 -975	0	1	<5	1.92	0.2	<10	280	<0.5	<2	0.19	<0.5	11	20	20	2.81	<10	0.04	10	0.67	389	<1	0.01	16	510	10	<10	13	0.03	<10	<10	51	<10	62
88036 -925	0	2	<5	2.26	0.2	<10	370	<0.5	<2	0.20	<0.5	11	25	21	3.32	<10	0.05	10	0.79	439	<1	0.01	20	640	9	<10	14	0.03	<10	<10	55	<10	82
88037 -875	0	<1	<5	1.79	0.2	<10	240	<0.5	<2	0.21	<0.5	10	24	22	2.96	<10	0.04	10	0.72	315	<1	0.01	16	560	10	<10	12	0.06	<10	<10	50	<10	68
88038 -825	0	<1	<5	1.52	0.2	<10	240	<0.5	<2	0.22	<0.5	9	21	25	2.74	<10	0.03	10	0.70	272	<1	0.01	14	550	8	<10	15	0.07	<10	<10	46	<10	62
88039 -775	0	<1	<5	1.66	0.2	<10	370	<0.5	<2	0.41	<0.5	9	26	24	3.65	<10	0.03	10	0.64	322	<1	0.01	17	720	12	<10	19	0.06	<10	<10	42	<10	62
88040 -725	0	2	<5	1.57	0.2	<10	340	<0.5	2	0.43	<0.5	7	24	22	2.30	<10	0.04	10	0.59	171	<1	0.01	15	580	10	<10	21	0.07	<10	<10	39	<10	56
88041 -675	0	<1	<5	1.51	0.2	<10	240	<0.5	<2	0.27	<0.5	7	19	16	2.19	<10	0.03	10	0.60	193	<1	0.01	13	560	8	<10	14	0.07	<10	<10	39	<10	54
88042 -625	0	2	<5	1.60	0.2	<10	220	<0.5	<2	0.28	<0.5	8	23	18	2.53	<10	0.04	10	0.58	309	<1	0.01	14	600	10	<10	15	0.09	<10	<10	42	<10	60
88043 -575	50	<1	<5	1.58	0.2	<10	300	<0.5	<2	0.25	<0.5	8	25	20	2.48	<10	0.04	10	0.57	207	<1	0.01	15	590	10	<10	16	0.06	<10	<10	42	<10	58
88044 -525	100	<1	<5	1.36	0.2	<10	250	<0.5	<2	0.32	<0.5	8	23	18	2.29	<10	0.03	10	0.58	208	<1	0.01	15	620	8	<10	17	0.09	<10	<10	36	<10	56
88045 -460 -150	2		<5	1.71	0.2	<10	350	<0.5	<2	0.26	<0.5	9	25	21	2.62	<10	0.04	10	0.62	194	<1	0.01	17	670	12	<10	19	0.05	<10	<10	40	<10	62
88046 -455 -200	<1		<5	1.46	0.2	<10	260	<0.5	<2	0.24	<0.5	8	23	18	2.47	<10	0.02	10	0.61	216	<1	0.01	16	550	8	<10	14	0.06	<10	<10	38	<10	72
88047 -445 -245	3		<5	1.39	0.2	<10	220	<0.5	<2	0.20	<0.5	8	19	16	2.26	<10	0.02	10	0.57	177	<1	0.01	13	610	8	<10	12	0.03	<10	<10	36	<10	50
88048 -435 -245	20		6	1.58	0.4	<10	290	<0.5	<2	0.28	<0.5	11	25	26	3.74	<10	0.02	10	0.76	354	<1	0.01	18	590	10	<10	16	0.06	<10	<10	43	<10	60
88049 -430 -250	5		<5	1.72	0.2	<10	240	<0.5	<2	0.24	<0.5	10	28	24	2.79	<10	0.03	10	0.84	245	<1	0.01	17	570	8	<10	14	0.06	<10	<10	44	<10	66
88050 -415 -250	15		<5	1.78	0.2	10	280	<0.5	<2	0.19	<0.5	9	25	24	2.54	<10	0.04	10	0.70	132	<1	0.01	16	560	10	<10	13	0.02	<10	<10	40	<10	60
88051 -350 -195	6		<5	1.53	0.2	<10	210	<0.5	<2	0.26	<0.5	9	25	18	2.58	<10	0.03	10	0.66	212	<1	0.01	15	660	8	<10	13	0.05	<10	<10	40	<10	58
88052 -360 -145	<1		20	1.33	0.2	<10	190	<0.5	<2	0.30	<0.5	8	24	17	2.28	<10	0.03	10	0.60	220	<1	0.01	13	620	6	<10	16	0.08	<10	<10	36	<10	54
88053 -370 -195	5		<5	1.52	0.2	<10	210	<0.5	<2	0.23	<0.5	8	24	19	2.38	<10	0.04	10	0.60	180	<1	0.01	15	500	8	<10	14	0.06	<10	<10	41	<10	54
88054 -380 -145	<1		<5	1.79	0.2	10	370	<0.5	<2	0.31	<0.5	10	28	23	2.90	<10	0.04	10	0.72	220	<1	0.01	18	660	8	<10	22	0.06	<10	<10	47	<10	66
88055 -263 -50	3		<5	1.64	0.2	<10	230	<0.5	<2	0.33	<0.5	9	25	21	2.64	<10	0.04	10	0.76	261	<1	0.01	16	520	10	<10	16	0.09	<10	<10	45	<10	58
88056 -265 -100	2		<5	2.28	0.2	<10	520	<0.5	<2	0.42	<0.5	16	29	45	3.32	<10	0.03	10	1.00	742	<1	0.01	25	880	10	<10	25	0.05	<10	<10	52	<10	70
88057 -268 -150	9		<5	1.88	0.2	<10	370	<0.5	<2	0.42	<0.5	11	21	29	3.02	<10	0.03	10	0.95	328	<1	0.01	17	860	6	<10	20	0.03	<10	<10	49	<10	62
88058 -270 -200	7		<5	1.96	0.2	<10	230	<0.5	<2	0.39	<0.5	14	26	31	3.12	<10	0.04	10	0.98	373	<1	0.01	18	680	10	<10	19	0.06	<10	<10	52	<10	70
88059 -275 -245	8		<5	1.96	0.2	<10	270	<0.5	<2	0.37	<0.5	14	27	33	3.26	<10	0.04	10	1.01	424	<1	0.01	19	630	10	<10	18	0.08	<10	<10	53	<10	72
88060 -278 -245	1		<5	1.35	0.2	<10	210	<0.5	<2	0.29	<0.5	9	20	19	2.33	<10	0.03	10	0.64	224	<1	0.01	14	570	8	<10	14	0.08	<10	<10	37	<10	50
88061 -280 -350	1		<5	1.69	0.2	<10	200	<0.5	<2	0.29	<0.5	10	25	25	2.83	<10	0.04	10	0.82	275	<1	0.01	16	580	8	<10	15	0.10	<10	<10	44	<10	62
88062 -285 -345	8		<5	1.72	0.2	<10	220	<0.5	<2	0.29	<0.5	9	26	20	2.69	<10	0.04	10	0.75	219	<1	0.01	16	540	8	<10	15	0.11	<10	<10	42	<10	60
88063 -287 -420	1		<5	1.59	0.2	<10	230	<0.5	<2	0.31	<0.5	11	24	29	2.92	<10	0.03	10	0.81	317	<1	0.01	15	540	10	<10	16	0.10	<10	<10	52	<10	56
88064 -290 -395	3		<5	2.03	0.2	<10	230	<0.5	<2	0.25	<0.5	10	31	22	3.10	<10	0.04	10	0.89	277	<1	0.01	18	510	12	<10	15	0.11	<10	<10	53	<10	66
88065 -290 -395	3		<5	2.71	0.2	<10	180	<0.5	<2	0.30	<0.5	18	24	36	4.23	<10	0.05	10	1.74	502	<1	0.01	24	570	10	<10	19	0.09	<10	<10	57	<10	78
88066 -290 -280	2		<5	2.48	0.2	<10	200	<0.5	<2	0.36	<0.5	20	23	60	4.09	<10	0.05	10	1.67	495	<1	0.01	23	490	6	<10	15	0.10	<10	<10	72	<10	74
88067 -295 -200	7		<5	2.20	0.2	<10	240	<0.5	<2	0.40	<0.5	15	25	44	3.71	<10	0.04	10	1.29	426	<1	0.01	21	580	6	<10	18	0.08	<10	<10	63	<10	70

Certified by .HeinBicker...

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Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

CERTIFICATE OF ANALYSIS

TO : UNITED KENO HILL MINES LIMITED

409 BLACK ST.
WHITEHORSE, YUKON
Y1A 2N2

CERT. # : A8615050-004-A
INVOICE # : I8615050
DATE : 5-AUG-86
P.O. # : NONE
SULPHUR CREEK

Sample description	Au ppb	Au FAAS ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
88073	5	<5	1.88	0.2	10	310	<0.5	<2	0.41	<0.5	12	25	31	3.21	<10	0.04	10	1.00	381	<1	0.01	20	650	10	<10	21	0.06	<10	<10	54	<10	68
88074	6	<5	1.90	0.2	<10	360	<0.5	<2	0.32	<0.5	12	26	27	2.92	<10	0.04	10	0.81	294	<1	0.01	20	560	8	<10	19	0.07	<10	<10	51	<10	60
88075	1	<5	1.59	0.2	<10	240	<0.5	<2	0.27	<0.5	8	24	20	2.54	<10	0.04	10	0.64	232	<1	0.01	15	590	8	<10	15	0.07	<10	<10	44	<10	54
88076	12	<5	1.82	0.2	10	300	<0.5	<2	0.48	<0.5	11	29	25	3.37	10	0.06	20	1.00	364	<1	0.01	19	650	12	<10	27	0.05	<10	<10	45	<10	88
88077	3	5	1.70	0.2	10	300	<0.5	<2	0.31	<0.5	9	26	22	2.80	<10	0.05	10	0.69	255	<1	0.01	17	580	10	<10	17	0.08	<10	<10	45	<10	66
88078	1	<5	1.63	0.2	<10	290	<0.5	<2	0.27	<0.5	9	26	22	2.73	<10	0.05	10	0.64	286	<1	0.01	17	620	10	<10	16	0.06	<10	<10	44	<10	62
88079	3	<5	1.66	0.2	10	310	<0.5	<2	0.25	<0.5	9	25	21	2.62	<10	0.04	10	0.69	251	<1	0.01	17	660	10	<10	15	0.05	<10	<10	45	<10	60
88080	4	<5	1.78	0.2	10	260	<0.5	2	0.28	<0.5	9	24	20	2.95	<10	0.05	10	0.81	259	<1	0.01	16	600	8	<10	16	0.07	<10	<10	49	<10	66
88081	<1	<5	1.45	0.2	<10	250	<0.5	2	0.30	<0.5	10	22	25	2.69	<10	0.04	10	0.81	301	<1	0.01	18	620	10	<10	14	0.06	<10	<10	42	<10	72
88082	5	<5	1.47	0.2	<10	210	<0.5	<2	0.20	<0.5	10	23	19	2.54	<10	0.03	10	0.72	356	<1	0.01	15	390	6	<10	11	0.06	<10	<10	40	<10	54
88083	240	<5	1.86	0.2	<10	240	<0.5	<2	0.18	<0.5	10	24	26	3.05	<10	0.03	10	0.90	308	<1	0.01	16	320	8	<10	10	0.06	<10	<10	49	<10	62
88084	<1	<5	1.44	0.2	10	190	<0.5	<2	0.18	<0.5	9	19	18	2.84	<10	0.04	10	0.64	302	<1	0.01	14	420	10	<10	10	0.04	<10	<10	45	<10	60
88085	<1	15	1.72	0.2	10	270	<0.5	<2	0.18	<0.5	10	23	20	2.93	<10	0.05	10	0.69	314	<1	0.01	17	460	8	<10	11	0.05	<10	<10	49	<10	66
88086	5	10	1.44	0.2	30	450	<0.5	<2	0.36	<0.5	13	21	25	2.95	<10	0.07	10	0.57	639	<1	0.01	20	720	12	<10	19	0.03	<10	<10	39	<10	74
88087	<1	5	1.63	0.2	10	340	<0.5	<2	0.37	<0.5	12	25	28	3.06	<10	0.05	20	0.82	435	<1	0.01	22	620	10	<10	20	0.06	<10	<10	46	<10	78
88089	<1	<5	1.90	0.2	<10	300	<0.5	<2	0.27	<0.5	10	29	26	3.05	<10	0.08	10	0.87	309	<1	0.01	20	590	10	<10	15	0.07	<10	<10	47	<10	78
88089	2	<5	1.59	0.2	<10	230	<0.5	2	0.22	<0.5	9	27	18	2.70	<10	0.05	10	0.73	263	<1	0.01	16	430	8	<10	14	0.07	<10	<10	43	<10	64
88090	<1	<5	1.51	0.2	<10	190	<0.5	<2	0.26	<0.5	11	20	22	2.77	<10	0.04	10	0.87	377	<1	0.01	15	560	8	<10	13	0.05	<10	<10	38	<10	62
88091	<2	<5	1.70	0.2	10	310	<0.5	<2	0.36	<0.5	23	22	27	3.56	<10	0.07	10	0.99	1016	<1	0.01	18	880	14	<10	17	0.03	<10	<10	43	<10	80
88092	3	<5	2.28	0.2	<10	220	<0.5	2	0.14	<0.5	10	34	28	3.49	<10	0.03	10	1.04	330	<1	0.01	19	380	10	<10	11	0.05	<10	<10	59	<10	54
88093	5	<5	1.75	0.2	10	170	<0.5	2	0.32	<0.5	11	79	23	3.06	<10	0.02	10	1.14	512	<1	0.01	34	670	8	<10	10	0.03	<10	<10	43	<10	44
88094	2	<5	1.93	0.2	10	450	<0.5	2	0.66	<0.5	11	60	29	2.98	10	0.05	20	0.77	600	<1	0.01	31	550	12	<10	26	0.07	<10	<10	52	<10	60
88095	3	<5	1.90	0.2	10	350	<0.5	<2	0.68	<0.5	10	55	23	2.93	<10	0.04	10	0.65	432	<1	0.01	29	690	10	<10	24	0.05	<10	<10	47	<10	52
88096	3	<5	1.45	0.2	10	250	<0.5	2	0.43	<0.5	6	27	22	2.48	<10	0.04	20	0.61	256	<1	0.01	15	680	10	<10	17	0.05	<10	<10	34	<10	54
88097	4	<5	1.48	0.2	10	290	<0.5	<2	0.36	<0.5	7	29	22	2.39	<10	0.03	10	0.56	284	<1	0.01	16	570	10	<10	17	0.05	<10	<10	39	<10	48
88098	2	<5	1.74	0.2	10	280	<0.5	<2	0.61	<0.5	9	27	22	2.95	<10	0.04	20	0.62	494	<1	0.01	18	790	8	<10	21	0.04	<10	<10	41	<10	58
88099	12	<5	1.95	0.2	10	220	<0.5	<2	0.57	<0.5	11	32	33	3.36	10	0.05	20	0.79	447	<1	0.01	19	830	12	<10	15	0.05	<10	<10	43	<10	64
88100	40	<5	1.23	0.2	10	160	<0.5	2	0.49	<0.5	11	28	19	2.56	<10	0.03	10	0.81	383	<1	0.01	17	1020	10	<10	17	0.02	<10	<10	32	<10	56
88101	2	<5	1.56	0.2	10	260	<0.5	2	0.45	<0.5	8	29	20	2.65	<10	0.03	10	0.64	363	<1	0.01	15	830	8	<10	17	0.04	<10	<10	36	<10	50
88102	2	<5	1.51	0.2	10	400	<0.5	<2	0.86	<0.5	9	41	18	2.25	<10	0.04	10	0.61	540	<1	0.01	21	660	8	<10	34	0.04	<10	<10	36	<10	52
88103	7	<5	2.17	0.2	20	230	<0.5	2	0.47	<0.5	14	121	32	3.98	<10	0.02	10	1.41	473	<1	0.01	51	710	10	<10	13	0.04	<10	<10	56	<10	60
88104	2	<5	1.44	0.2	10	620	<0.5	<2	1.94	<0.5	8	36	36	2.14	10	0.02	10	0.53	473	<1	0.01	26	1000	10	<10	65	0.03	<10	<10	36	<10	42
88105	1	<5	1.58	0.2	<10	510	<0.5	<2	0.53	<0.5	8	28	23	2.29	<10	0.03	10	0.51	408	<1	0.01	20	540	8	<10	28	0.05	<10	<10	42	<10	48
88106	8	<5	1.60	0.2	<10	440	<0.5	<2	0.47	<0.5	10	32	31	2.85	<10	0.04	10	0.61	395	<1	0.01	24	570	10	<10	27	0.06	<10	<10	49	<10	66
88107	<1	<5	1.44	0.2	10	290	<0.5	<2	0.32	<0.5	9	25	22	2.49	<10	0.04	10	0.55	343	<1	0.01	18	540	8	<10	18	0.05	<10	<10	45	<10	52
88108	1	<5	1.94	0.2	30	220	<0.5	<2	0.13	<0.5	8	25	16	3.02	<10	0.03	10	0.81	241	<1	0.01	14	280	10	<10	9	0.04	<10	<10	49	<10	42
88109	3	<5	1.78	0.2	<10	260	<0.5	<2	0.30	<0.5	10	21	25	3.08	<10	0.04	10	0.86	328	<1	0.01	15	520	8	<10	14	0.07	<10	<10	52	<10	64
88110	2	<5	1.90	0.2	<10	290	<0.5	<2	0.28	<0.5	10	23	26	3.26	<10	0.05	10	0.91	361	<1	0.01	16	430	8	<10	13	0.07	<10	<10	51	<10	70
88111	4	<5	1.92	0.2	<10	200	<0.5	2	0.22	<0.5	9	22	20	3.30	<10	0.06	10	0.93	298	<1	0.01	15	380	10	<10	10	0.07	<10	<10	51	<10	72
88112	3	<5	1.84	0.2	<10	190	<0.5	<2	0.20	<0.5	9	22	19	2.98	<10	0.04	10	0.77	263	<1	0.01	14	300	10	<10	9	0.06	<10	<10	50	<10	60

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CERTIFICATE OF ANALYSIS

TO : UNITED KENO HILL MINES LIMITED

409 BLACK ST.
WHITEHORSE, YUKON
Y1A 2N2

CERT. # : A8615050-005-A
INVOICE # : I8615050
DATE : 5-AUG-86
P.O. # : NONE
SULPHUR CREEK

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au ppb	NAAAu ppb	FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
88113A -975 -250	3		<5	1.93	0.2	<10	240	<0.5	<2	0.24	<0.5	11	23	21	3.22	<10	0.04	10	0.90	380	<1	0.01	16	410	10	<10	10	0.05	<10	<10	51	<10	64
88114 -975 -300	1		<5	1.83	0.4	10	250	<0.5	<2	0.21	<0.5	10	23	23	3.09	<10	0.05	10	0.78	291	<1	0.01	15	380	12	<10	11	0.05	<10	<10	57	<10	56
88115 -305 -175	9		<5	2.00	0.2	20	260	<0.5	2	0.13	<0.5	7	25	16	2.91	<10	0.04	10	0.55	231	<1	0.01	15	320	10	<10	9	0.04	<10	<10	51	<10	40
88116 -200 -170	1		<5	1.90	0.2	10	330	<0.5	<2	0.11	<0.5	9	26	17	3.03	<10	0.02	10	0.79	302	<1	0.01	14	320	12	<10	9	0.04	<10	<10	66	<10	38
88117 -205 -165	1		<5	1.72	1.2	10	310	<0.5	<2	0.12	<0.5	24	26	18	3.43	<10	0.03	10	0.59	2087	<1	0.01	17	660	12	<10	10	0.04	<10	<10	58	<10	48
88118 -165 -160	9		<5	1.61	0.2	10	220	<0.5	<2	0.09	<0.5	8	30	14	2.86	<10	0.02	10	0.62	330	<1	<0.01	16	300	10	<10	7	0.03	<10	<10	45	<10	40
88119 -100 -150	1		<5	2.21	0.2	10	300	<0.5	<2	0.27	<0.5	13	128	20	3.43	<10	0.01	10	1.46	441	<1	<0.01	47	430	10	<10	11	0.02	<10	<10	54	<10	52
88120		20	<5	2.10	0.2	10	310	<0.5	<2	0.43	<0.5	13	105	22	3.13	<10	0.02	10	1.19	441	<1	0.01	43	440	10	<10	12	0.03	<10	<10	45	<10	48
88121		2	<5	2.63	0.2	<10	320	<0.5	<2	0.57	<0.5	17	168	33	3.90	10	0.01	10	1.78	482	<1	0.01	65	730	8	<10	18	0.03	<10	<10	66	<10	54
88122		2	<5	1.74	0.2	<10	340	<0.5	<2	0.43	<0.5	9	40	18	2.61	<10	0.04	20	0.66	294	<1	0.01	21	400	12	<10	18	0.05	<10	<10	42	<10	52
88123		<1	<5	1.08	0.2	<10	220	<0.5	<2	0.22	<0.5	9	35	18	2.57	<10	0.05	10	0.52	325	<1	0.01	19	430	10	<10	23	0.07	<10	<10	49	<10	56
88124		1	15	1.55	0.2	<10	190	<0.5	<2	0.28	<0.5	6	29	16	2.41	<10	0.04	10	0.61	412	<1	0.01	15	590	8	<10	15	0.06	<10	<10	39	<10	46
88125		10	<5	1.32	0.2	<10	240	<0.5	<2	0.35	<0.5	6	21	16	2.52	<10	0.04	10	0.63	303	<1	0.01	12	600	8	<10	15	0.03	<10	<10	36	<10	46
88126		5	<5	1.44	0.2	<10	240	<0.5	2	0.39	<0.5	7	24	17	2.43	<10	0.04	10	0.61	270	<1	0.01	13	610	10	<10	17	0.04	<10	<10	35	<10	44
88127		9	<5	1.37	0.2	10	180	<0.5	<2	0.49	<0.5	7	24	15	2.39	<10	0.04	10	0.57	308	<1	0.01	13	700	8	<10	16	0.04	<10	<10	22	<10	44
88128		24	<5	1.42	0.2	10	220	<0.5	<2	0.51	<0.5	11	29	20	2.69	<10	0.04	10	0.83	355	<1	0.01	18	760	12	<10	23	0.03	<10	<10	35	<10	66
88193 -400 135	6		10	2.14	0.2	20	400	<0.5	<2	0.41	<0.5	14	37	34	3.72	<10	0.04	10	0.96	524	<1	0.01	24	390	10	<10	13	0.04	<10	<10	56	<10	54
88194 -400 385	5		<5	1.43	0.2	20	170	<0.5	<2	0.32	<0.5	12	27	27	2.83	<10	0.03	10	0.87	534	<1	0.01	18	660	10	<10	10	0.03	<10	<10	45	<10	38
88195 -400 335	5		<5	1.86	0.2	10	430	<0.5	<2	0.58	<0.5	11	34	26	2.97	<10	0.04	10	0.69	429	<1	0.01	23	610	8	<10	24	0.05	<10	<10	46	<10	50
88196 -400 280	5		10	1.78	0.2	<10	330	<0.5	<2	0.49	<0.5	9	38	21	2.82	<10	0.04	10	0.67	311	<1	0.01	20	440	10	<10	20	0.06	<10	<10	48	<10	50
88197 -400 230	4		<5	1.79	0.2	10	320	<0.5	<2	0.49	<0.5	11	48	26	2.98	<10	0.03	10	0.80	360	<1	0.01	25	510	12	<10	19	0.05	<10	<10	50	<10	52
88198 -400 185	3		15	1.79	0.2	10	330	<0.5	<2	0.47	<0.5	11	41	22	2.73	<10	0.04	10	0.73	531	<1	0.01	22	630	8	<10	22	0.05	<10	<10	46	<10	48
88199 -400 130	4		<5	1.83	0.2	<10	280	<0.5	<2	0.47	<0.5	11	62	26	2.80	<10	0.03	10	0.91	373	<1	0.01	30	680	8	<10	20	0.05	<10	<10	50	<10	52
88200 -400 80	5		<5	1.63	0.2	10	360	<0.5	<2	0.48	<0.5	11	25	15	2.95	<10	0.04	10	0.83	324	<1	0.01	16	750	12	<10	24	0.03	<10	<10	36	<10	72
88201 -400 35	7		<5	1.68	0.2	10	350	<0.5	<2	0.43	<0.5	14	26	23	3.68	<10	0.04	20	0.91	483	<1	0.01	20	730	14	<10	25	0.04	<10	<10	41	<10	74
88202 -500 60	4		<5	2.27	0.2	10	500	<0.5	<2	0.35	<0.5	16	34	24	4.01	<10	0.05	10	0.91	513	<1	0.01	22	670	26	<10	21	0.08	<10	<10	61	<10	86
88203 ? 100	10		5	1.97	0.2	20	530	<0.5	<2	0.99	<0.5	17	32	30	3.39	10	0.04	20	0.96	1520	<1	0.01	24	760	12	<10	49	0.03	<10	<10	46	<10	76
88204 150	40		20	1.58	0.2	20	200	<0.5	<2	0.84	<0.5	10	36	30	2.94	10	0.03	10	0.74	437	<1	0.01	20	820	10	<10	21	0.04	<10	<10	42	<10	54
88205 200	5		<5	1.76	0.2	10	270	<0.5	<2	0.62	<0.5	12	50	23	3.03	<10	0.03	10	0.78	370	<1	0.01	24	660	12	<10	18	0.05	<10	<10	51	<10	52
88206 250	19		<5	2.35	0.2	10	310	<0.5	2	0.57	<0.5	15	126	31	3.59	10	0.03	10	1.37	487	<1	0.01	51	670	10	<10	19	0.05	<10	<10	61	<10	72
88207 300	10		<5	1.89	0.2	10	380	<0.5	<2	0.70	<0.5	12	49	31	3.23	<10	0.02	10	0.94	646	<1	0.01	30	880	8	<10	28	0.03	<10	<10	49	<10	46
88208 350	6		<5	1.87	0.2	10	280	<0.5	<2	0.32	<0.5	11	43	24	3.12	<10	0.03	10	0.96	408	<1	0.01	23	560	8	<10	13	0.04	<10	<10	51	<10	46
88209 400	15		10	2.55	0.2	<10	190	<0.5	2	0.48	<0.5	19	169	47	4.11	10	0.02	10	1.89	569	<1	0.01	71	680	8	<10	15	0.03	<10	<10	80	<10	70
88210 -500 450	8		5	2.42	0.2	10	360	<0.5	<2	0.50	<0.5	17	177	46	3.77	10	0.04	10	1.57	499	<1	0.01	74	580	12	<10	20	0.06	<10	<10	77	<10	74
88211 -540 450	20		10	2.28	0.2	10	230	<0.5	2	0.37	<0.5	15	130	28	3.43	<10	0.03	10	1.32	424	<1	0.01	59	530	14	<10	15	0.05	<10	<10	60	<10	74
88212 500	4		<5	2.67	0.2	10	290	<0.5	2	0.36	<0.5	18	186	28	3.59	<10	0.03	10	1.69	600	<1	0.01	73	400	10	<10	16	0.07	<10	<10	76	<10	66
88213 550	4		<5	2.31	0.2	10	310	<0.5	<2	0.58	<0.5	14	94	34	3.40	10	0.04	10	1.27	566	<1	0.01	42	630	12	<10	22	0.05	<10	<10	69	<10	60
88214 600	16		5	1.90	0.2	10	230	<0.5	2	0.32	<0.5	10	51	26	2.94	<10	0.03	10	0.97	366	<1	0.01	24	450	8	<10	13	0.05	<10	<10	54	<10	50
88215 150	11		70	1.93	0.2	10	260	<0.5	<2	0.58	<0.5	12	70	39	3.19	10	0.04	10	0.99	520	<1	0.01	37	660	10	<10	18	0.05	<10	<10	50	<10	56
88216 -550 200	10		<5	1.43	0.2	10	350	<0.5	<2	2.58	<0.5	10	47	35	2.35	10	0.02	<10	0.68	340	<1	0.01	26	900	10	<10	54	0.03	<10	<10	35	<10	42

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CERTIFICATE OF ANALYSIS

TO : UNITED KENO HILL MINES LIMITED

409 BLACK ST.
WHITEHORSE, YUKON
Y1A 2N2

CERT. # : A8615050-001-A
INVOICE # : I8615050
DATE : 5-AUG-86
P.O. # : NONE
SULPHUR CREEK

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au ppb	Au FA+AA ppb	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Tl %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
87906		9	<5	1.75	0.4	<10	270	<0.5	2	0.23	<0.5	9	24	22	3.01	<10	0.07	10	0.79	278	<1	0.01	16	530	12	<10	11	0.06	<10	<10	46	<10	64
87907		<1	<5	1.68	0.2	10	270	<0.5	2	0.22	<0.5	10	24	24	2.83	<10	0.02	10	0.78	282	<1	0.01	16	350	12	<10	11	0.05	<10	<10	43	<10	58
87908		<1	<5	2.25	0.6	<10	260	<0.5	2	0.22	<0.5	12	24	25	3.60	<10	0.03	10	0.94	361	<1	0.01	18	490	14	<10	11	0.05	<10	<10	56	<10	68
87909		<1	<5	2.13	0.2	<10	140	<0.5	<2	0.14	<0.5	12	8	26	3.57	<10	0.61	<10	1.18	369	<1	<0.01	9	500	8	<10	4	0.02	<10	<10	33	<10	86
87910		2	<5	1.92	0.2	<10	180	<0.5	<2	0.14	<0.5	10	17	26	3.25	<10	0.01	<10	0.90	316	<1	<0.01	14	300	10	<10	7	0.04	<10	<10	48	<10	74
87911		3	<5	2.25	0.2	<10	370	<0.5	<2	0.19	<0.5	15	25	35	3.44	<10	0.01	10	0.90	457	<1	0.01	20	270	10	<10	10	0.05	<10	<10	56	<10	60
87912		<1	<5	1.78	0.2	<10	350	<0.5	2	0.20	<0.5	10	22	24	2.88	<10	0.02	10	0.80	327	<1	0.01	17	160	10	<10	11	0.07	<10	<10	47	<10	56
87913		<1	<5	1.52	0.2	<10	350	<0.5	<2	0.21	<0.5	9	20	21	2.67	<10	0.03	10	0.75	313	<1	<0.01	14	210	8	<10	10	0.07	<10	<10	39	<10	56
87914		<1	<5	2.08	0.2	10	230	<0.5	<2	0.17	<0.5	12	25	22	3.50	<10	0.03	<10	0.81	338	<1	0.01	17	300	10	<10	9	0.09	<10	<10	53	<10	64
87915		<1	<5	1.80	0.2	<10	330	<0.5	<2	0.21	<0.5	8	27	20	2.71	<10	0.04	10	0.55	260	<1	0.01	17	170	10	<10	11	0.12	<10	<10	37	<10	60
87916		<1	<5	1.82	0.2	<10	290	<0.5	<2	0.22	<0.5	9	24	30	2.92	<10	0.03	10	0.71	285	<1	0.01	16	230	8	<10	12	0.08	<10	<10	42	<10	60
87917		5	<5	1.84	0.2	10	510	<0.5	<2	0.49	<0.5	12	26	25	2.84	<10	0.01	10	0.72	592	<1	0.01	19	320	10	<10	18	0.07	<10	<10	44	<10	66
87918		16	<5	2.29	0.2	<10	280	<0.5	<2	0.26	<0.5	13	22	37	3.69	<10	0.02	10	1.14	403	<1	0.01	17	480	10	<10	9	0.04	<10	<10	50	<10	80
87919		<1	<5	2.04	0.2	<10	260	<0.5	<2	0.21	<0.5	10	18	23	2.98	<10	0.03	10	0.94	277	<1	0.01	14	340	10	<10	9	0.04	<10	<10	50	<10	66
87920		1	<5	1.99	0.2	<10	260	<0.5	<2	0.22	<0.5	11	22	28	3.20	<10	0.02	10	0.94	325	<1	0.01	16	300	8	<10	11	0.06	<10	<10	51	<10	62
87921		<1	<5	1.85	0.2	<10	250	<0.5	<2	0.24	<0.5	9	18	17	3.12	<10	0.03	10	0.86	301	<1	0.01	13	440	8	<10	11	0.06	<10	<10	60	<10	58
87922		2	<5	1.86	0.2	<10	260	<0.5	<2	0.28	<0.5	10	22	29	3.10	<10	0.03	10	0.84	291	<1	0.01	17	450	8	<10	14	0.07	<10	<10	51	<10	64
87923		<1	<5	1.80	0.2	<10	240	<0.5	2	0.26	<0.5	10	19	22	3.13	<10	0.04	10	0.77	288	<1	0.01	14	610	8	<10	11	0.06	<10	<10	52	<10	62
87924		32	<5	1.68	0.2	<10	220	<0.5	<2	0.21	<0.5	8	22	17	2.87	<10	0.04	10	0.66	243	<1	0.01	14	380	10	<10	11	0.07	<10	<10	45	<10	58
87925		6	<5	1.69	0.2	<10	390	<0.5	<2	0.41	<0.5	10	26	26	2.68	<10	0.06	10	0.67	376	<1	0.01	17	380	8	<10	19	0.12	<10	<10	44	<10	58
87926		<1	<5	1.67	0.4	<10	280	<0.5	<2	0.27	<0.5	9	25	20	2.60	<10	0.06	10	0.57	280	<1	0.01	17	360	8	<10	14	0.11	<10	<10	43	<10	56
87927		<1	<5	1.73	0.2	<10	220	<0.5	<2	0.23	<0.5	8	24	19	2.58	<10	0.05	10	0.67	228	<1	0.01	16	270	10	<10	12	0.10	<10	<10	41	<10	58
87928		3	<5	1.26	0.2	10	470	<0.5	<2	0.83	<0.5	11	34	22	2.52	<10	0.04	10	0.51	803	<1	0.01	18	790	12	<10	38	0.05	<10	<10	44	<10	66
87930		8	<5	1.44	0.2	<10	280	<0.5	<2	0.29	<0.5	10	14	19	2.56	<10	0.03	10	0.65	389	<1	0.01	13	680	8	<10	14	0.04	<10	<10	41	<10	54
87931		2	<5	1.54	0.2	<10	380	<0.5	<2	0.27	<0.5	7	17	19	2.57	<10	0.02	10	0.59	217	<1	0.01	15	550	12	<10	16	0.03	<10	<10	40	<10	54
87935		16	<5	0.96	0.2	<10	260	<0.5	<2	0.38	<0.5	8	15	16	2.06	<10	0.01	10	0.45	541	<1	0.01	12	690	14	<10	17	0.03	<10	<10	32	<10	62
87936		<1	<5	1.15	0.2	10	280	<0.5	<2	0.47	<0.5	9	21	16	2.39	<10	0.03	10	0.51	362	<1	0.01	17	710	10	<10	21	0.05	<10	<10	41	<10	70
87937		7	<5	1.16	0.2	10	300	<0.5	<2	0.60	<0.5	10	22	23	2.33	<10	0.04	10	0.55	466	<1	0.01	18	630	18	<10	24	0.05	<10	<10	41	<10	92
87938		<1	<5	1.32	0.2	<10	300	<0.5	2	0.53	<0.5	12	25	24	2.58	<10	0.05	10	0.61	509	<1	0.01	18	730	18	<10	25	0.07	<10	<10	48	<10	92
87939		4	<5	1.48	0.2	<10	340	<0.5	<2	0.55	<0.5	10	29	27	3.00	<10	0.05	20	0.59	466	<1	0.01	20	760	20	<10	26	0.08	<10	<10	50	<10	84
87942		5	<5	1.44	0.2	10	450	<0.5	<2	0.53	<0.5	12	30	25	2.82	10	0.06	20	0.58	403	<1	0.02	20	790	20	<10	27	0.08	<10	<10	54	<10	80
87943		<1	<5	1.28	0.2	10	350	<0.5	<2	0.61	<0.5	11	31	22	2.53	<10	0.07	20	0.51	434	<1	0.02	22	800	10	<10	29	0.09	<10	<10	50	<10	70
87944		<1	<5	1.06	0.2	10	590	<0.5	<2	1.09	<0.5	12	24	26	2.14	<10	0.04	10	0.46	2368	<1	0.02	26	820	12	<10	29	0.05	<10	<10	37	<10	76
87949		2	<5	2.22	0.2	<10	350	<0.5	2	0.33	<0.5	11	25	28	3.48	<10	0.05	10	0.91	345	<1	0.01	19	460	12	<10	17	0.07	<10	<10	58	<10	76
87950		12	<5	1.89	0.2	10	200	<0.5	<2	0.35	<0.5	10	21	22	2.09	<10	0.04	10	0.92	318	<1	0.01	14	550	10	<10	14	0.09	<10	<10	51	<10	72
87951		3	<5	1.71	0.2	<10	230	<0.5	<2	0.28	<0.5	9	20	23	2.86	<10	0.04	10	0.89	291	<1	<0.01	14	470	10	<10	12	0.06	<10	<10	44	<10	62
87952		1	<5	1.65	0.2	<10	260	<0.5	<2	0.33	<0.5	10	23	29	3.12	<10	0.03	10	0.90	323	<1	0.01	16	580	12	<10	14	0.06	<10	<10	49	<10	72
87953		<1	<5	1.41	0.2	<10	210	<0.5	<2	0.27	<0.5	8	20	21	2.53	<10	0.03	10	0.69	259	<1	0.01	13	390	8	<10	12	0.05	<10	<10	41	<10	60
87954		2	<5	1.65	0.2	<10	170	<0.5	2	0.26	<0.5	7	16	22	2.97	<10	0.02	10	0.58	263	<1	<0.01	12	860	8	<10	9	0.04	<10	<10	36	<10	58
87959		5	<5	1.01	0.2	<10	340	<0.5	<2	0.63	<0.5	9	24	19	2.15	<10	0.04	10	0.48	347	<1	0.01	22	750	8	<10	26	0.05	<10	<10	38	<10	62

Certified by

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•Analytical Chemists •Geochemists •Registered Assayers

CERTIFICATE OF ANALYSIS

TO : UNITED KENO HILL MINES LIMITED

409 BLACK ST.
WHITEHORSE, YUKON
Y1A 2N2

CERT. # : A8615050-002-A
INVOICE # : I8615050
DATE : 5-AUG-86
P.O. # : NONE
SULPHUR CREEK

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au ppb	AAAu ppb	FAAAA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
87969	10	10		1.35	0.2	10	190	<0.5	4	0.40	<0.5	8	107	15	2.42	<10	0.06	10	0.83	220	<1	0.02	14	930	8	<10	18	0.03	<10	<10	33	<10	62
87970	5	5		1.62	0.2	10	250	<0.5	<2	0.44	<0.5	12	96	24	2.87	<10	0.08	10	0.93	259	<1	0.02	19	750	14	<10	21	0.04	<10	<10	42	<10	76
87971	16	15		1.60	0.2	30	280	<0.5	3	0.47	<0.5	14	175	14	3.06	<10	0.08	20	0.86	461	<1	0.02	16	1080	12	<10	19	0.04	<10	<10	45	<10	72
87972	10	5		1.75	0.2	10	390	<0.5	2	0.49	<0.5	11	89	17	2.71	<10	0.09	10	0.96	416	<1	0.02	18	890	8	<10	25	0.04	<10	<10	42	<10	82
87973	7	10		1.76	0.2	10	450	<0.5	<2	0.44	<0.5	14	129	19	3.12	<10	0.08	20	0.87	710	<1	0.02	21	720	10	<10	24	0.05	<10	<10	43	<10	70
87974	7	20		2.06	0.2	20	430	<0.5	<2	0.40	<0.5	14	84	24	3.83	<10	0.10	20	1.12	618	<1	0.02	23	610	14	<10	23	0.04	<10	<10	49	<10	86
87975	3	<5		1.78	0.2	10	360	<0.5	2	0.46	<0.5	14	127	26	2.76	<10	0.06	10	0.78	684	<1	0.02	19	720	10	<10	28	0.07	<10	<10	49	<10	52
87976	<1	5		1.89	0.2	<10	360	<0.5	2	0.34	<0.5	14	86	19	2.83	<10	0.06	10	0.85	495	<1	0.01	18	600	8	<10	19	0.09	<10	<10	48	<10	66
87977	5	<5		1.76	0.2	<10	410	<0.5	<2	0.38	<0.5	7	275	17	2.89	<10	0.08	10	0.62	183	<1	0.04	17	810	10	<10	25	0.08	<10	<10	49	<10	52
87978	<1	<5		0.25	0.2	10	610	<0.5	<2	0.45	<0.5	6	1	13	0.55	<10	0.04	10	0.08	109	<1	0.02	5	1010	<2	<10	40	<0.01	<10	<10	1	<10	24
87979	<1	<5		1.72	0.2	<10	350	<0.5	<2	0.42	<0.5	7	199	16	2.36	<10	0.07	10	0.55	102	<1	0.02	15	920	8	<10	22	0.15	<10	<10	46	<10	52
87980	<1	<5		1.[illegible]	0.2	10	300	<0.5	<2	0.43	<0.5	8	115	18	2.64	<10	0.09	10	0.60	229	<1	0.02	15	640	8	<10	24	0.14	<10	<10	50	<10	54
87981	3	10		1.66	0.2	<10	250	<0.5	2	0.39	<0.5	7	186	16	2.34	<10	0.08	10	0.55	188	<1	0.02	14	500	10	<10	23	0.12	<10	<10	49	<10	52
88001	<10	<5		0.19	0.2	10	180	<0.5	<2	0.61	<0.5	1	10	13	0.38	<10	0.02	<10	0.09	322	<1	0.01	4	770	2	<10	31	<0.01	<10	<10	2	<10	56
88002	13	10		2.72	0.2	10	290	<0.5	2	0.51	<0.5	18	256	38	3.92	10	0.09	20	1.82	670	<1	0.02	69	600	20	<10	21	0.06	<10	<10	74	<10	84
88003	4	10		2.39	0.2	10	420	<0.5	<2	0.37	<0.5	16	134	25	3.72	10	0.11	10	1.08	911	<1	0.02	33	560	22	<10	19	0.04	<10	<10	56	<10	94
88004	280	280		2.14	0.2	<10	470	<0.5	2	0.41	<0.5	12	220	26	3.28	10	0.12	10	0.72	484	<1	0.03	21	520	18	<10	22	0.06	<10	<10	50	<10	74
88005	6	15		1.96	0.2	10	470	<0.5	<2	0.53	<0.5	11	45	30	3.38	10	0.06	10	0.75	575	<1	0.01	25	640	18	<10	25	0.04	<10	<10	46	<10	86
88006	10	10		1.88	0.2	<10	510	<0.5	2	0.44	<0.5	12	50	27	3.08	10	0.04	10	0.98	624	<1	0.01	26	610	20	<10	20	0.03	<10	<10	38	<10	86
88007	5	40		2.24	0.2	<10	460	<0.5	<2	0.34	<0.5	11	56	21	3.34	<10	0.05	20	1.13	347	<1	0.01	28	400	18	<10	16	0.06	<10	<10	48	<10	82
88008	10	35		2.39	0.2	<10	360	<0.5	2	0.34	<0.5	10	42	16	3.67	10	0.04	10	1.43	436	<1	0.01	20	700	12	<10	11	0.03	<10	<10	35	<10	88
88009	3	10		3.13	0.2	<10	250	<0.5	<2	0.54	<0.5	24	279	35	3.89	10	0.01	10	2.36	541	<1	0.01	104	460	18	<10	19	0.08	<10	<10	86	<10	86
88010	3	10		2.55	0.2	<10	220	<0.5	4	0.43	<0.5	17	147	28	3.52	10	0.03	10	1.50	514	<1	0.01	61	480	16	<10	17	0.06	<10	<10	66	<10	90
88011	7	5		3.35	0.2	10	250	<0.5	<2	0.37	<0.5	27	286	44	4.63	10	0.02	10	2.55	668	<1	0.01	110	420	22	<10	13	0.04	<10	<10	92	<10	110
88012	8	15		2.54	0.2	<10	290	<0.5	2	0.25	<0.5	14	92	41	3.86	10	0.03	10	1.43	450	<1	0.01	42	470	12	<10	11	0.04	<10	<10	66	<10	76
88013	14	20		2.33	0.2	20	380	<0.5	<2	0.43	<0.5	18	50	33	3.94	10	0.04	10	1.22	1141	<1	0.01	26	450	12	<10	17	0.04	<10	<10	73	<10	54
88014	<1	10		1.99	0.2	20	300	<0.5	<2	0.17	<0.5	10	32	19	3.30	<10	0.03	10	0.81	372	<1	0.01	16	280	10	<10	10	0.04	<10	<10	56	<10	42
88015	2	<5		1.53	0.2	10	280	<0.5	<2	0.22	<0.5	7	22	18	2.51	<10	0.07	10	0.60	241	<1	0.01	15	500	12	<10	11	0.07	<10	<10	33	<10	62
88016	2	5		1.43	0.2	<10	250	<0.5	<2	0.20	<0.5	7	22	17	2.36	<10	0.06	10	0.48	240	<1	0.01	16	400	8	<10	11	0.08	<10	<10	34	<10	62
88017	<1	<5		1.35	0.2	<10	290	<0.5	<2	0.22	<0.5	6	23	16	2.25	<10	0.05	10	0.46	210	<1	0.01	14	360	10	<10	11	0.07	<10	<10	33	<10	58
88018	7	5		1.28	0.2	<10	240	<0.5	2	0.21	<0.5	8	18	20	2.28	<10	0.05	10	0.59	290	<1	0.01	14	410	8	<10	12	0.07	<10	<10	34	<10	54
88019	<1	<5		1.62	0.2	<10	280	<0.5	<2	0.26	<0.5	9	24	27	2.66	<10	0.05	10	0.69	318	<1	0.01	17	320	8	<10	12	0.07	<10	<10	42	<10	62
88020	138	<5		1.71	0.2	<10	360	<0.5	<2	0.35	<0.5	10	15	24	3.28	<10	0.07	10	0.81	527	<1	0.01	12	900	10	<10	14	0.03	<10	<10	35	<10	70
88021	5	<5		1.98	0.2	<10	230	<0.5	<2	0.25	<0.5	10	24	28	3.46	<10	0.05	10	0.91	332	<1	0.01	16	580	14	<10	11	0.06	<10	<10	56	<10	78
88022	2	<5		1.89	0.2	<10	220	<0.5	<2	0.20	<0.5	9	24	24	3.23	<10	0.05	10	0.84	315	<1	0.01	16	360	10	<10	10	0.07	<10	<10	52	<10	68
88023	5	35		1.56	0.2	<10	220	<0.5	<2	0.28	<0.5	9	20	29	2.87	<10	0.04	10	0.82	286	<1	0.01	14	410	6	<10	12	0.06	<10	<10	50	<10	60
88024	3	<5		1.78	0.2	<10	270	<0.5	<2	0.21	<0.5	10	22	22	2.91	<10	0.04	10	0.72	315	<1	0.01	15	520	8	<10	11	0.05	<10	<10	46	<10	62
88025	4	<5		1.78	0.2	<10	340	<0.5	<2	0.33	<0.5	10	24	31	2.98	<10	0.04	10	0.83	276	<1	0.01	16	580	10	<10	16	0.07	<10	<10	44	<10	68
88026	9	10		1.94	0.2	<10	410	<0.5	<2	0.40	<0.5	11	29	34	3.30	<10	0.05	20	0.85	399	<1	0.01	20	590	12	<10	20	0.08	<10	<10	49	<10	74
88027	2	5		2.00	0.4	<10	300	<0.5	<2	0.38	<0.5	11	20	24	3.43	<10	0.05	10	0.99	439	<1	0.01	14	640	8	<10	15	0.06	<10	<10	61	<10	68

Certified by Heinrich Brechler....

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CERTIFICATE OF ANALYSIS

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

TO : UNITED KENO HILL MINES LIMITED

409 BLACK ST.
WHITEHORSE, YUKON
Y1A 2N2

CERT. # : A8615050-003-A
INVOICE # : I8615050
DATE : 5-AUG-86
P.O. # : NONE
SULPHUR CREEK

Sample description	Stn.	Au FAAAu ppb	Au FA+AA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
88028	-1225	4	<5	1.85	0.2	<10	140	<0.5	<2	0.48	<0.5	20	18	42	4.02	10	0.11	20	1.18	927	<1	0.01	17	1110	22	<10	17	0.03	<10	<10	57	<10	114
88029	-1275	3	<5	1.74	0.2	<10	270	<0.5	2	0.40	<0.5	10	28	31	3.40	<10	0.06	10	0.82	320	<1	0.01	19	610	12	<10	20	0.09	<10	<10	61	<10	74
88030	-1225	16	<5	1.69	0.2	10	290	<0.5	2	0.28	<0.5	8	23	22	2.97	<10	0.10	10	0.66	336	<1	0.01	16	770	12	<10	14	0.04	<10	<10	39	<10	70
88031	-1140	5	30	1.73	0.2	<10	300	<0.5	<2	0.31	<0.5	13	24	23	2.93	<10	0.06	10	0.74	548	<1	0.01	16	660	12	<10	15	0.06	<10	<10	46	<10	62
88032	-1170	<1	<5	1.30	0.2	<10	140	<0.5	<2	0.24	<0.5	8	17	17	2.43	<10	0.04	10	0.70	277	<1	0.01	11	550	10	<10	10	0.05	<10	<10	40	<10	50
88033	-1080	14	<5	1.79	0.2	<10	190	<0.5	<2	0.34	<0.5	10	21	24	2.97	<10	0.04	10	0.91	288	<1	0.01	15	540	10	<10	13	0.08	<10	<10	51	<10	62
88034	-1030	13	<5	1.68	0.2	<10	170	<0.5	<2	0.33	<0.5	9	17	24	2.85	<10	0.03	10	0.81	285	<1	0.01	14	650	8	<10	14	0.07	<10	<10	51	<10	58
88035	-985	1	<5	1.92	0.2	<10	280	<0.5	<2	0.19	<0.5	11	20	20	2.81	<10	0.04	10	0.67	389	<1	0.01	16	510	10	<10	13	0.03	<10	<10	51	<10	62
88036	-935	2	<5	2.26	0.2	<10	370	<0.5	<2	0.20	<0.5	11	25	31	3.32	<10	0.05	10	0.79	439	<1	0.01	20	640	8	<10	14	0.03	<10	<10	55	<10	82
88037	-890	<1	<5	1.79	0.2	<10	240	<0.5	<2	0.21	<0.5	10	24	22	2.96	<10	0.04	10	0.72	315	<1	0.01	16	560	10	<10	12	0.06	<10	<10	50	<10	68
88038	-835	<1	<5	1.52	0.2	<10	240	<0.5	<2	0.22	<0.5	9	21	25	2.74	<10	0.03	10	0.70	272	<1	0.01	14	550	8	<10	15	0.07	<10	<10	46	<10	62
88039	-790	<1	<5	1.66	0.2	<10	370	<0.5	<2	0.41	<0.5	9	26	24	2.65	<10	0.03	10	0.64	322	<1	0.01	17	720	12	<10	19	0.06	<10	<10	42	<10	62
88040	-740	2	<5	1.57	0.2	<10	340	<0.5	2	0.43	<0.5	7	24	22	2.30	<10	0.04	10	0.59	171	<1	0.01	15	580	10	<10	21	0.07	<10	<10	39	<10	56
88041	-690	<1	<5	1.51	0.2	<10	240	<0.5	<2	0.27	<0.5	7	19	16	2.19	<10	0.03	10	0.60	193	<1	0.01	13	560	8	<10	14	0.07	<10	<10	39	<10	54
88042	-640	2	<5	1.60	0.2	<10	220	<0.5	<2	0.28	<0.5	9	23	18	2.53	<10	0.04	10	0.58	209	<1	0.01	14	600	10	<10	15	0.09	<10	<10	42	<10	60
88043	-485	<1	<5	1.58	0.2	<10	300	<0.5	<2	0.25	<0.5	9	25	20	2.48	<10	0.04	10	0.57	202	<1	0.01	15	590	10	<10	16	0.06	<10	<10	42	<10	58
88044	-440	<1	<5	1.36	0.2	<10	250	<0.5	<2	0.32	<0.5	8	23	18	2.29	<10	0.03	10	0.58	208	<1	0.01	15	620	8	<10	17	0.09	<10	<10	36	<10	56
88045	-460	-150	2	<5	1.71	0.2	<10	350	<0.5	<2	0.26	<0.5	9	25	21	2.62	<10	0.04	10	0.62	194	<1	0.01	17	670	12	<10	19	0.05	<10	<10	40	<10	62
88046	-455	-200	<1	<5	1.46	0.2	<10	260	<0.5	<2	0.24	<0.5	8	23	18	2.47	<10	0.02	10	0.61	216	<1	0.01	16	550	8	<10	14	0.06	<10	<10	38	<10	72
88047	-445	-245	3	<5	1.39	0.2	<10	220	<0.5	<2	0.20	<0.5	8	19	16	2.26	<10	0.02	10	0.57	177	<1	0.01	13	610	8	<10	12	0.03	<10	<10	36	<10	50
88048	-435	-245	6	20	1.58	0.4	<10	290	<0.5	<2	0.28	<0.5	11	25	26	3.74	<10	0.02	10	0.76	354	<1	0.01	18	590	10	<10	16	0.06	<10	<10	43	<10	60
88049	-430	-250	5	<5	1.72	0.2	<10	240	<0.5	<2	0.24	<0.5	10	28	24	2.79	<10	0.03	10	0.84	245	<1	0.01	17	570	8	<10	14	0.06	<10	<10	44	<10	66
88050	-415	-250	15	<5	1.78	0.2	10	280	<0.5	<2	0.19	<0.5	9	25	24	2.54	<10	0.04	10	0.70	192	<1	0.01	16	560	10	<10	13	0.02	<10	<10	40	<10	60
88051	-350	-195	6	<5	1.53	0.2	<10	210	<0.5	<2	0.26	<0.5	9	25	18	2.58	<10	0.03	10	0.66	212	<1	0.01	15	660	8	<10	13	0.05	<10	<10	40	<10	58
88052	-360	-145	<1	20	1.23	0.2	<10	190	<0.5	<2	0.30	<0.5	8	24	17	2.28	<10	0.02	10	0.60	220	<1	0.01	13	620	6	<10	16	0.08	<10	<10	36	<10	54
88053	-370	-195	5	<5	1.52	0.2	<10	210	<0.5	<2	0.23	<0.5	8	24	19	2.38	<10	0.04	10	0.60	180	<1	0.01	15	500	8	<10	14	0.06	<10	<10	41	<10	54
88054	-380	-145	<1	<5	1.79	0.2	10	370	<0.5	<2	0.31	<0.5	10	28	23	2.90	<10	0.04	10	0.72	220	<1	0.01	18	660	8	<10	22	0.06	<10	<10	47	<10	66
88055	-263	-50	3	<5	1.64	0.2	<10	230	<0.5	<2	0.33	<0.5	9	25	21	2.64	<10	0.04	10	0.76	261	<1	0.01	16	520	10	<10	16	0.09	<10	<10	45	<10	58
88056	-265	-100	2	<5	2.28	0.2	<10	520	<0.5	<2	0.42	<0.5	16	29	45	3.32	<10	0.03	10	1.00	742	<1	0.01	25	880	10	<10	25	0.05	<10	<10	52	<10	70
88057	-268	-150	9	<5	1.88	0.2	<10	370	<0.5	<2	0.42	<0.5	11	21	29	3.02	<10	0.03	10	0.95	328	<1	0.01	17	860	6	<10	20	0.03	<10	<10	49	<10	62
88058	-270	-200	7	<5	1.96	0.2	<10	330	<0.5	<2	0.39	<0.5	14	26	31	3.12	<10	0.04	10	0.98	373	<1	0.01	18	690	10	<10	19	0.06	<10	<10	51	<10	70
88059	-275	-245	8	<5	1.96	0.2	<10	270	<0.5	<2	0.37	<0.5	14	27	33	3.26	<10	0.04	10	1.01	424	<1	0.01	19	630	10	<10	18	0.08	<10	<10	53	<10	72
88060	-278	-295	1	<5	1.35	0.2	<10	210	<0.5	<2	0.29	<0.5	8	20	19	2.33	<10	0.03	10	0.64	234	<1	0.01	14	570	8	<10	14	0.08	<10	<10	37	<10	50
88061	-280	-350	1	<5	1.69	0.2	<10	200	<0.5	<2	0.29	<0.5	10	25	25	2.83	<10	0.04	10	0.82	275	<1	0.01	16	580	8	<10	15	0.10	<10	<10	44	<10	62
88062	-285	-350	8	<5	1.72	0.2	<10	220	<0.5	<2	0.29	<0.5	9	26	20	2.69	<10	0.04	10	0.75	219	<1	0.01	16	540	8	<10	15	0.11	<10	<10	42	<10	60
88063	-287	-340	1	<5	1.59	0.2	<10	230	<0.5	<2	0.31	<0.5	11	24	29	2.92	<10	0.03	10	0.81	317	<1	0.01	15	540	10	<10	16	0.10	<10	<10	52	<10	56
88064	-290	-340	1	<5	2.03	0.2	<10	230	<0.5	<2	0.25	<0.5	10	31	22	3.16	<10	0.04	10	0.89	277	<1	0.01	18	310	12	<10	15	0.11	<10	<10	53	<10	66
88070	-290	-345	1	<5	2.71	0.2	<10	180	<0.5	<2	0.30	<0.5	18	24	56	4.23	<10	0.05	10	1.74	502	<1	0.01	24	570	10	<10	10	0.09	<10	<10	57	<10	78
88071	-290	-250	2	<5	2.48	0.2	<10	200	<0.5	<2	0.36	<0.5	20	23	60	4.89	<10	0.05	10	1.67	495	<1	0.01	23	490	6	<10	15	0.10	<10	<10	72	<10	74
88072	-290	-200	7	<5	2.20	0.2	<10	240	<0.5	<2	0.40	<0.5	15	25	46	3.71	<10	0.04	10	1.29	426	<1	0.01	21	580	6	<10	18	0.08	<10	<10	63	<10	70

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CERTIFICATE OF ANALYSIS

TO : UNITED KENO HILL MINES LIMITED

409 BLACK ST.
WHITEHORSE, YUKON
Y1A 2N2

CERT. # : A8615050-004-A
INVOICE # : I8615050
DATE : 5-AUG-86
P.O. # : NONE
SULPHUR CREEK

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au NAAAu ppb ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
88073	5 <5	1.88	0.2	10	310	<0.5	<2	0.41	<0.5	12	25	31	3.21	<10	0.04	10	1.00	381	<1	0.01	20	650	10	<10	21	0.06	<10	<10	54	<10	68
88074	6 <5	1.90	0.2	<10	360	<0.5	<2	0.32	<0.5	12	26	27	2.92	<10	0.04	10	0.81	294	<1	0.01	20	560	8	<10	19	0.07	<10	<10	51	<10	60
88075	1 <5	1.59	0.2	<10	240	<0.5	<2	0.27	<0.5	8	24	20	2.54	<10	0.04	10	0.64	232	<1	0.01	15	590	8	<10	15	0.07	<10	<10	44	<10	54
88076	12 <5	1.82	0.2	10	300	<0.5	<2	0.48	<0.5	11	29	25	3.27	10	0.06	20	1.00	364	<1	0.01	19	650	12	<10	27	0.05	<10	<10	45	<10	88
88077	3 5	1.70	0.2	10	300	<0.5	<2	0.31	<0.5	9	26	22	2.80	<10	0.05	10	0.69	255	<1	0.01	17	580	10	<10	17	0.08	<10	<10	45	<10	66
88078	1 <5	1.63	0.2	<10	290	<0.5	<2	0.27	<0.5	9	26	22	2.73	<10	0.05	10	0.64	286	<1	0.01	17	620	10	<10	16	0.06	<10	<10	44	<10	62
88079	3 <5	1.66	0.2	10	310	<0.5	<2	0.25	<0.5	9	25	21	2.62	<10	0.04	10	0.69	251	<1	0.01	17	660	10	<10	15	0.05	<10	<10	45	<10	60
88080	4 <5	1.78	0.2	10	260	<0.5	2	0.28	<0.5	9	24	20	2.95	<10	0.05	10	0.81	259	<1	0.01	16	600	8	<10	16	0.07	<10	<10	49	<10	66
88081	1 <5	1.45	0.2	<10	250	<0.5	2	0.30	<0.5	10	22	25	2.69	<10	0.04	10	0.81	301	<1	0.01	18	620	10	<10	14	0.06	<10	<10	42	<10	72
88082	5 <5	1.47	0.2	<10	210	<0.5	<2	0.20	<0.5	10	23	19	2.54	<10	0.03	10	0.72	356	<1	0.01	15	390	6	<10	11	0.06	<10	<10	40	<10	54
88083	240 <5	1.86	0.2	<10	240	<0.5	<2	0.18	<0.5	10	24	26	3.05	<10	0.03	10	0.90	308	<1	0.01	16	320	8	<10	10	0.06	<10	<10	49	<10	62
88084	1 <5	1.44	0.2	10	190	<0.5	<2	0.18	<0.5	9	19	18	2.84	<10	0.04	10	0.64	302	<1	0.01	14	420	10	<10	10	0.04	<10	<10	45	<10	60
88085	1 15	1.72	0.2	10	270	<0.5	<2	0.18	<0.5	10	23	20	2.93	<10	0.05	10	0.69	314	<1	0.01	17	460	8	<10	11	0.05	<10	<10	49	<10	66
88086	5 10	1.44	0.2	30	450	<0.5	<2	0.36	<0.5	13	21	25	2.95	<10	0.07	10	0.57	539	<1	0.01	20	720	12	<10	19	0.03	<10	<10	39	<10	74
88087	1 5	1.63	0.2	10	240	<0.5	<2	0.37	<0.5	12	25	28	3.06	<10	0.05	20	0.82	425	<1	0.01	22	620	10	<10	20	0.06	<10	<10	46	<10	78
88088	1 <5	1.90	0.2	<10	300	<0.5	<2	0.27	<0.5	10	29	25	3.05	<10	0.08	10	0.87	309	<1	0.01	20	590	10	<10	15	0.07	<10	<10	47	<10	78
88089	2 <5	1.59	0.2	<10	220	<0.5	2	0.22	<0.5	9	27	18	2.70	<10	0.05	10	0.73	263	<1	0.01	16	430	8	<10	14	0.07	<10	<10	43	<10	64
88090	1 <5	1.51	0.2	<10	190	<0.5	<2	0.26	<0.5	11	20	22	2.77	<10	0.04	10	0.87	377	<1	0.01	16	560	8	<10	13	0.05	<10	<10	38	<10	62
88091	2 <5	1.70	0.2	10	310	<0.5	<2	0.36	<0.5	23	22	27	3.56	<10	0.07	10	0.99	1016	<1	0.01	18	880	14	<10	17	0.03	<10	<10	43	<10	80
88092	3 <5	2.28	0.2	<10	220	<0.5	2	0.14	<0.5	10	34	28	3.49	<10	0.03	10	1.04	330	<1	0.01	19	380	10	<10	11	0.05	<10	<10	59	<10	54
88093	5 <5	1.75	0.2	10	170	<0.5	2	0.22	<0.5	11	79	23	3.06	<10	0.02	10	1.14	512	<1	0.01	34	670	8	<10	10	0.03	<10	<10	43	<10	44
88094	2 <5	1.93	0.2	10	450	<0.5	2	0.66	<0.5	11	60	29	2.98	10	0.05	20	0.77	600	<1	0.01	31	550	12	<10	26	0.07	<10	<10	52	<10	60
88095	3 <5	1.90	0.2	10	350	<0.5	<2	0.68	<0.5	10	55	23	2.93	<10	0.04	10	0.85	432	<1	0.01	29	590	10	<10	24	0.05	<10	<10	47	<10	52
88096	3 <5	1.45	0.2	10	250	<0.5	2	0.43	<0.5	6	27	22	2.48	<10	0.04	20	0.61	256	<1	0.01	15	680	10	<10	17	0.05	<10	<10	34	<10	54
88097	4 <5	1.48	0.2	10	290	<0.5	<2	0.36	<0.5	7	29	22	2.39	<10	0.03	10	0.56	284	<1	0.01	16	570	10	<10	17	0.05	<10	<10	39	<10	48
88098	2 <5	1.74	0.2	10	280	<0.5	<2	0.61	<0.5	9	27	22	2.95	<10	0.04	20	0.62	494	<1	0.01	18	790	8	<10	21	0.04	<10	<10	41	<10	58
88099	12 <5	1.95	0.2	10	220	<0.5	<2	0.57	<0.5	11	32	33	3.36	10	0.05	20	0.79	447	<1	0.01	19	830	12	<10	15	0.05	<10	<10	43	<10	64
88100	40 <5	1.23	0.2	10	160	<0.5	2	0.49	<0.5	11	28	19	2.56	<10	0.03	10	0.81	383	<1	0.01	17	1020	10	<10	17	0.02	<10	<10	32	<10	56
88101	2 <5	1.56	0.2	10	260	<0.5	2	0.45	<0.5	8	29	20	2.65	<10	0.02	10	0.64	363	<1	0.01	15	830	8	<10	17	0.04	<10	<10	36	<10	50
88102	2 <5	1.51	0.2	10	400	<0.5	<2	0.86	<0.5	9	41	18	2.25	<10	0.04	10	0.61	540	<1	0.01	21	660	8	<10	34	0.04	<10	<10	36	<10	52
88103	7 <5	2.17	0.2	20	230	<0.5	2	0.47	<0.5	14	121	32	3.98	<10	0.02	10	1.41	473	<1	0.01	51	710	10	<10	13	0.04	<10	<10	56	<10	60
88104	2 <5	1.44	0.2	10	620	<0.5	<2	1.94	<0.5	8	36	36	2.14	10	0.02	10	0.53	473	<1	0.01	26	1000	10	<10	65	0.03	<10	<10	36	<10	42
88105	1 <5	1.58	0.2	<10	510	<0.5	<2	0.53	<0.5	8	28	23	2.29	<10	0.03	10	0.51	408	<1	0.01	20	540	8	<10	28	0.05	<10	<10	42	<10	48
88106	8 <5	1.60	0.2	<10	440	<0.5	<2	0.47	<0.5	10	32	31	2.85	<10	0.04	10	0.61	595	<1	0.01	24	570	10	<10	27	0.06	<10	<10	49	<10	66
88107	1 <5	1.44	0.2	10	290	<0.5	<2	0.32	<0.5	9	25	22	2.49	<10	0.04	10	0.55	343	<1	0.01	18	540	8	<10	18	0.05	<10	<10	45	<10	52
88108	6 <5	1.94	0.2	30	220	<0.5	<2	0.13	<0.5	8	25	16	3.02	<10	0.03	10	0.81	241	<1	0.01	14	280	10	<10	9	0.04	<10	<10	49	<10	42
88109	3 <5	1.78	0.2	<10	260	<0.5	<2	0.30	<0.5	10	21	25	3.08	<10	0.04	10	0.86	328	<1	0.01	15	520	8	<10	14	0.07	<10	<10	52	<10	64
88110	2 <5	1.90	0.2	<10	290	<0.5	<2	0.28	<0.5	10	23	26	3.26	<10	0.05	10	0.91	361	<1	0.01	16	430	8	<10	13	0.07	<10	<10	51	<10	70
88111	4 <5	1.92	0.2	<10	200	<0.5	2	0.22	<0.5	9	22	20	3.30	<10	0.06	10	0.93	298	<1	0.01	15	380	10	<10	10	0.07	<10	<10	51	<10	72
88112	3 <5	1.84	0.2	<10	190	<0.5	<2	0.20	<0.5	9	22	19	2.98	<10	0.04	10	0.77	262	<1	0.01	14	300	10	<10	9	0.06	<10	<10	50	<10	60

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CERT. # : A8615050-005-A
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DATE : 5-AUG-86
P.O. # : NONE
SULPHUR CREEK

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au AAAu ppb	Au FAtAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
88113A			<5	1.93	0.2	<10	240	<0.5	<2	0.24	<0.5	11	23	21	3.22	<10	0.04	10	0.90	380	<1	0.01	16	410	10	<10	10	0.05	<10	<10	51	<10	64
88114			<5	1.83	0.4	10	250	<0.5	<2	0.21	<0.5	10	23	23	3.09	<10	0.05	10	0.78	291	<1	0.01	15	380	12	<10	11	0.05	<10	<10	57	<10	56
88115			<5	2.00	0.2	20	260	<0.5	2	0.12	<0.5	7	25	16	2.91	<10	0.04	10	0.55	231	<1	0.01	15	320	10	<10	9	0.04	<10	<10	51	<10	40
88116			<5	1.90	0.2	10	320	<0.5	<2	0.11	<0.5	9	26	17	3.03	<10	0.02	10	0.79	302	<1	0.01	14	320	12	<10	9	0.04	<10	<10	66	<10	38
88117			<5	1.72	1.0	10	310	<0.5	<2	0.12	<0.5	24	26	18	3.43	<10	0.03	10	0.59	2987	<1	0.01	17	660	12	<10	10	0.04	<10	<10	58	<10	48
88118			<5	1.61	0.2	10	220	<0.5	<2	0.09	<0.5	8	30	14	2.86	<10	0.02	10	0.62	330	<1	<0.01	16	300	10	<10	7	0.03	<10	<10	45	<10	40
88119			<5	2.21	0.2	10	300	<0.5	<2	0.27	<0.5	13	128	20	3.43	<10	0.01	10	1.46	441	<1	<0.01	47	430	10	<10	11	0.02	<10	<10	54	<10	52
88120			<5	2.10	0.2	10	310	<0.5	<2	0.43	<0.5	13	105	22	3.13	<10	0.02	10	1.19	441	<1	0.01	43	440	10	<10	12	0.03	<10	<10	45	<10	48
88121			<5	2.63	0.2	<10	320	<0.5	<2	0.57	<0.5	17	168	33	3.90	10	0.01	10	1.78	482	<1	0.01	65	730	8	<10	18	0.03	<10	<10	66	<10	54
88122			<5	1.74	0.2	<10	340	<0.5	<2	0.43	<0.5	9	40	18	2.61	<10	0.04	20	0.66	294	<1	0.01	21	400	12	<10	18	0.05	<10	<10	42	<10	52
88123			<5	1.80	0.2	<10	220	<0.5	<2	0.22	<0.5	9	35	18	2.57	<10	0.05	10	0.52	325	<1	0.01	19	430	10	<10	22	0.07	<10	<10	49	<10	56
88124			15	1.55	0.2	<10	150	<0.5	<2	0.23	<0.5	6	29	16	2.41	<10	0.04	10	0.61	212	<1	0.01	15	590	8	<10	15	0.06	<10	<10	39	<10	46
88125			<5	1.52	0.2	<10	240	<0.5	<2	0.35	<0.5	6	21	16	2.52	<10	0.04	10	0.63	303	<1	0.01	12	600	8	<10	15	0.03	<10	<10	36	<10	46
88126			<5	1.44	0.2	<10	240	<0.5	2	0.39	<0.5	7	24	17	2.43	<10	0.04	10	0.61	270	<1	0.01	13	610	10	<10	17	0.04	<10	<10	35	<10	44
88127			<5	1.37	0.2	10	180	<0.5	<2	0.49	<0.5	7	24	16	2.29	<10	0.04	10	0.57	308	<1	0.01	13	700	8	<10	16	0.04	<10	<10	32	<10	44
88128			<5	1.42	0.2	10	220	<0.5	<2	0.51	<0.5	11	29	20	2.69	<10	0.04	10	0.83	355	<1	0.01	18	760	12	<10	23	0.03	<10	<10	35	<10	66
88193			10	2.14	0.2	30	400	<0.5	<2	0.41	<0.5	14	37	34	3.72	<10	0.04	10	0.96	524	<1	0.01	24	390	10	<10	13	0.04	<10	<10	56	<10	54
88194			5	1.43	0.2	20	170	<0.5	<2	0.32	<0.5	12	27	27	2.83	<10	0.03	10	0.87	534	<1	0.01	18	660	10	<10	10	0.03	<10	<10	45	<10	38
88195			5	1.86	0.2	10	430	<0.5	<2	0.58	<0.5	11	34	26	2.97	<10	0.04	10	0.69	429	<1	0.01	23	610	8	<10	24	0.05	<10	<10	46	<10	50
88196			5	1.78	0.2	<10	330	<0.5	<2	0.49	<0.5	9	38	21	2.82	<10	0.04	10	0.67	311	<1	0.01	20	440	10	<10	20	0.06	<10	<10	48	<10	50
88197			4	1.79	0.2	10	320	<0.5	<2	0.49	<0.5	11	48	26	3.98	<10	0.03	10	0.80	360	<1	0.01	25	510	12	<10	19	0.05	<10	<10	50	<10	52
88198			3	1.79	0.2	10	330	<0.5	<2	0.47	<0.5	11	41	22	2.73	<10	0.04	10	0.73	511	<1	0.01	22	630	8	<10	22	0.05	<10	<10	46	<10	48
88199			4	1.83	0.2	<10	280	<0.5	<2	0.47	<0.5	11	62	26	2.80	<10	0.03	10	0.91	573	<1	0.01	20	680	8	<10	20	0.05	<10	<10	50	<10	52
88200			5	1.63	0.2	10	360	<0.5	<2	0.48	<0.5	11	25	15	2.95	<10	0.04	10	0.83	324	<1	0.01	16	750	12	<10	24	0.03	<10	<10	36	<10	72
88201			7	1.68	0.2	10	350	<0.5	<2	0.43	<0.5	14	36	23	3.68	<10	0.04	20	0.91	493	<1	0.01	20	730	14	<10	25	0.04	<10	<10	41	<10	74
88202			4	2.27	0.2	10	500	<0.5	<2	0.35	<0.5	16	34	24	4.01	<10	0.05	10	0.91	513	<1	0.01	22	670	26	<10	21	0.08	<10	<10	61	<10	86
88203			10	5	1.97	0.2	20	530	<0.5	<2	0.99	<0.5	17	32	30	3.39	10	0.04	20	0.96	1520	<1	0.01	24	760	12	<10	49	0.03	<10	<10	46	<10	76
88204			40	20	1.58	0.2	20	200	<0.5	<2	0.84	<0.5	10	36	30	2.94	10	0.03	10	0.74	437	<1	0.01	20	820	10	<10	21	0.04	<10	<10	42	<10	54
88205			5	<5	1.76	0.2	10	270	<0.5	<2	0.62	<0.5	12	50	23	3.03	<10	0.03	10	0.78	370	<1	0.01	24	660	12	<10	18	0.05	<10	<10	51	<10	52
88206			19	<5	2.35	0.2	10	310	<0.5	2	0.57	<0.5	15	126	31	3.59	10	0.03	10	1.37	487	<1	0.01	51	670	10	<10	19	0.05	<10	<10	61	<10	72
88207			10	<5	1.83	0.2	10	380	<0.5	<2	0.70	<0.5	12	49	31	3.23	<10	0.02	10	0.94	646	<1	0.01	30	880	8	<10	28	0.03	<10	<10	49	<10	46
88208			6	<5	1.87	0.2	10	280	<0.5	<2	0.32	<0.5	11	43	24	3.12	<10	0.03	10	0.96	400	<1	0.01	23	560	8	<10	13	0.04	<10	<10	51	<10	46
88209			15	10	2.55	0.2	<10	190	<0.5	2	0.48	<0.5	19	169	47	4.11	10	0.02	10	1.89	569	<1	0.01	71	680	8	<10	15	0.03	<10	<10	80	<10	70
88210			8	5	2.42	0.2	10	360	<0.5	<2	0.50	<0.5	17	177	46	3.77	10	0.04	10	1.57	499	<1	0.01	74	580	12	<10	20	0.06	<10	<10	77	<10	74
88211			20	10	2.28	0.2	10	230	<0.5	2	0.37	<0.5	15	130	28	3.43	<10	0.03	10	1.32	424	<1	0.01	59	530	14	<10	15	0.05	<10	<10	60	<10	74
88212			4	<5	2.67	0.2	10	290	<0.5	2	0.36	<0.5	18	186	28	3.59	<10	0.03	10	1.69	600	<1	0.01	73	400	10	<10	16	0.07	<10	<10	76	<10	66
88213			4	<5	2.31	0.2	10	310	<0.5	<2	0.58	<0.5	14	94	34	3.40	10	0.04	10	1.27	566	<1	0.01	42	630	12	<10	22	0.05	<10	<10	69	<10	60
88214			16	<5	1.90	0.2	10	230	<0.5	2	0.32	<0.5	10	51	26	2.94	<10	0.03	10	0.97	366	<1	0.01	24	450	8	<10	13	0.05	<10	<10	54	<10	50
88215			11	70	1.93	0.2	10	260	<0.5	<2	0.58	<0.5	12	70	39	3.19	10	0.04	10	0.99	520	<1	0.01	37	660	10	<10	18	0.05	<10	<10	50	<10	56
88216			10	<5	1.43	0.2	10	350	<0.5	<2	2.58	<0.5	10	47	35	2.35	10	0.02	<10	0.68	340	<1	0.01	26	900	10	<10	34	0.03	<10	<10	35	<10	42

Certified by ..

Chemex Labs Ltd.

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Canada V7J 2C1

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Telephone:(604) 984-0221
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CERTIFICATE OF ANALYSIS

TO : UNITED KENO HILL MINES LIMITED

409 BLACK ST.
WHITEHORSE, YUKON
Y1A 2N2

CERT. # : A8615050-006-A
INVOICE # : I8615050
DATE : 5-AUG-86
P.O. # : NONE
SULPHUR CREEK

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au AAAAu ppb FAtAA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
88217	10	2.22	0.2	20	470	<0.5	<2	0.83	<0.5	21	35	24	4.26	10	0.05	20	1.08	2445	<1	0.01	24	690	14	<10	33	0.04	<10	<10	52	<10	98
88218	16	2.16	0.2	10	400	<0.5	<2	0.34	<0.5	11	33	19	3.05	<10	0.06	20	0.94	238	<1	0.01	20	670	14	<10	21	0.07	<10	<10	54	<10	82
88219	2	1.84	0.2	<10	320	<0.5	<2	0.36	<0.5	8	28	18	2.73	<10	0.06	10	0.66	211	<1	0.01	16	620	14	<10	20	0.09	<10	<10	51	<10	62
88220	<1	1.76	0.2	10	380	<0.5	<2	0.42	<0.5	7	26	22	2.49	<10	0.06	10	0.57	177	<1	0.01	16	640	10	<10	23	0.08	<10	<10	44	<10	60
88221	2	1.73	0.2	<10	260	<0.5	<2	0.40	<0.5	8	24	20	2.59	<10	0.05	10	0.71	223	<1	0.01	14	590	8	<10	19	0.10	<10	<10	44	<10	60
88222	5	2.32	0.2	10	480	<0.5	<2	0.37	<0.5	11	35	22	3.81	10	0.05	20	0.90	251	<1	0.01	21	650	12	<10	20	0.07	<10	<10	60	<10	82
88224	10	2.24	0.2	10	250	<0.5	<2	0.69	<0.5	18	96	63	3.75	10	0.03	10	1.30	827	<1	0.01	47	710	12	<10	20	0.04	<10	<10	59	<10	66
88225	55	2.51	0.2	10	260	<0.5	<2	0.55	<0.5	16	111	46	3.92	10	0.03	20	1.45	518	<1	0.01	50	760	14	<10	18	0.05	<10	<10	63	<10	74
88226	38	2.20	0.2	20	180	<0.5	<2	0.48	<0.5	13	69	49	3.97	10	0.04	10	1.10	573	<1	0.01	33	890	14	<10	16	0.04	<10	<10	50	<10	82
88227	2	3.06	0.2	<10	300	<0.5	<2	0.65	<0.5	24	333	37	3.94	10	0.01	10	2.41	786	<1	0.02	121	750	12	<10	23	0.08	<10	<10	78	<10	82
88228	7	2.71	0.2	<10	210	<0.5	2	0.45	<0.5	19	200	22	3.84	10	0.03	10	1.89	520	<1	0.01	89	450	20	<10	18	0.06	<10	<10	76	<10	96
88229	7	0.99	0.2	<10	370	<0.5	<2	0.64	<0.5	6	25	15	2.31	<10	0.05	10	0.42	347	<1	0.01	17	800	8	<10	31	0.06	<10	<10	35	<10	48
88230	4	1.26	0.2	<10	200	<0.5	<2	0.53	<0.5	6	28	12	1.81	<10	0.06	20	0.48	145	<1	0.01	17	700	12	<10	26	0.09	<10	<10	52	<10	56
88231	10	1.16	0.2	10	510	<0.5	<2	0.65	<0.5	8	27	19	2.28	<10	0.05	10	0.46	366	<1	0.01	18	660	10	<10	29	0.07	<10	<10	49	<10	60
88232	4	1.01	0.2	10	320	<0.5	<2	0.66	<0.5	9	26	16	2.27	<10	0.05	20	0.42	331	<1	0.02	17	860	10	<10	28	0.08	<10	<10	46	<10	52
88233	2	0.66	0.2	10	760	<0.5	<2	1.29	0.5	9	12	26	1.32	<10	0.02	10	0.26	1800	<1	0.03	20	970	10	<10	60	0.01	<10	<10	18	<10	52
88234	14	1.30	0.2	10	390	<0.5	<2	0.63	<0.5	10	30	23	2.50	<10	0.06	20	0.52	512	<1	0.02	23	740	10	<10	29	0.08	<10	<10	47	<10	70
88235	9	1.57	0.2	<10	250	<0.5	<2	0.43	<0.5	9	28	18	2.76	10	0.06	10	0.63	386	<1	0.01	16	580	24	<10	20	0.08	<10	<10	53	<10	94
88236	3	1.47	0.2	10	430	<0.5	<2	0.73	<0.5	12	30	25	2.61	10	0.07	10	0.57	669	<1	0.02	21	730	14	<10	32	0.08	<10	<10	50	<10	88
88237	<1	1.54	0.2	<10	310	<0.5	<2	0.66	<0.5	12	27	20	2.70	10	0.05	10	0.62	556	<1	0.01	17	720	10	<10	26	0.07	<10	<10	53	<10	74
88238	8	1.41	0.2	10	350	<0.5	<2	0.66	<0.5	8	27	14	2.26	10	0.05	10	0.54	242	<1	0.01	15	540	10	<10	26	0.07	<10	<10	43	<10	64
88239	26	1.22	0.2	<10	280	<0.5	<2	0.52	<0.5	7	27	16	2.24	10	0.05	20	0.49	225	<1	0.01	16	720	10	<10	24	0.08	<10	<10	48	<10	58
88501	20	1.61	0.2	10	240	<0.5	<2	0.61	<0.5	10	23	18	2.75	<10	0.04	10	0.75	627	<1	0.01	15	920	8	<10	18	0.04	<10	<10	34	<10	52
88502	8	1.70	0.2	10	200	<0.5	<2	0.46	<0.5	8	19	17	2.75	<10	0.03	10	0.81	465	<1	0.01	12	820	10	<10	14	0.03	<10	<10	30	<10	44
88503	5	1.76	0.2	<10	280	<0.5	<2	0.42	<0.5	7	21	19	2.94	<10	0.04	20	0.77	391	<1	0.01	13	820	8	<10	17	0.04	<10	<10	33	<10	52
88504	7	1.90	0.2	10	260	<0.5	<2	0.42	<0.5	9	27	25	3.43	<10	0.04	20	0.83	446	<1	0.01	17	900	8	<10	19	0.06	<10	<10	41	<10	58
88505A	1	1.67	0.2	<10	320	<0.5	<2	0.34	<0.5	8	30	16	2.26	<10	0.05	20	0.48	300	<1	0.01	16	430	10	<10	20	0.07	<10	<10	44	<10	52
88506	2	1.72	0.2	10	440	<0.5	<2	0.42	<0.5	9	28	24	2.65	<10	0.06	20	0.52	496	<1	0.01	20	550	10	<10	22	0.06	<10	<10	42	<10	56
88507	4	1.42	0.2	10	290	<0.5	<2	0.44	<0.5	7	26	16	2.16	<10	0.05	10	0.48	267	<1	0.01	15	480	10	<10	20	0.05	<10	<10	37	<10	48
88508	4	1.63	0.2	<10	320	<0.5	<2	0.41	<0.5	8	41	21	2.49	<10	0.04	10	0.66	283	<1	0.01	22	460	12	<10	19	0.06	<10	<10	41	<10	52
88509	<1	1.59	0.4	10	240	<0.5	<2	0.26	<0.5	10	61	15	2.58	<10	0.06	10	0.71	557	<1	0.01	25	270	10	<10	13	0.05	<10	<10	42	<10	42
88572	5	1.27	0.2	<10	190	<0.5	<2	0.24	<0.5	6	18	12	2.06	<10	0.03	10	0.48	168	<1	0.01	11	530	6	<10	12	0.07	<10	<10	35	<10	48
88573	3	1.53	0.2	<10	370	<0.5	<2	0.41	<0.5	7	22	19	2.19	<10	0.03	10	0.57	263	<1	0.01	14	730	8	<10	16	0.06	<10	<10	34	<10	52
88574	2	1.38	0.2	<10	210	<0.5	<2	0.29	<0.5	7	19	14	2.27	<10	0.02	10	0.53	196	<1	0.01	13	610	8	<10	15	0.08	<10	<10	39	<10	52
88575	<1	2.21	0.2	<10	480	<0.5	2	0.52	<0.5	13	28	34	3.13	<10	0.04	10	0.90	622	<1	0.01	21	650	10	<10	23	0.07	<10	<10	52	<10	68
88576	<1	1.60	0.2	<10	220	<0.5	<2	0.29	<0.5	8	22	16	2.49	<10	0.03	10	0.63	205	<1	0.01	15	570	10	<10	16	0.09	<10	<10	43	<10	56
88577	3	2.10	0.2	<10	390	<0.5	2	0.43	<0.5	12	28	32	3.11	<10	0.04	10	0.95	411	<1	0.01	20	550	12	<10	19	0.08	<10	<10	50	<10	68
88578	31	1.64	0.2	<10	260	<0.5	<2	0.34	<0.5	9	22	17	2.51	<10	0.03	10	0.65	216	<1	0.01	16	590	8	<10	18	0.09	<10	<10	45	<10	56
88579	<1	2.22	0.2	<10	370	<0.5	2	0.43	<0.5	15	31	37	3.43	<10	0.04	10	1.08	464	<1	0.01	23	590	10	<10	17	0.09	<10	<10	58	<10	74
88580	4	1.91	0.2	<10	380	<0.5	2	0.32	<0.5	11	26	25	2.86	<10	0.03	10	0.77	279	<1	0.01	18	560	10	<10	18	0.09	<10	<10	47	<10	62

Certified by Heath Buckler

REFERENCES

McFaull, A.J., 1982. Exploration proposal for the Dawson Area, Internal Report prepared for United Keno Hill Mines Ltd., 7 p.

Mortensen, J.K., 1984. Summary report bedrock geology and soil geochemistry Klondike District, Y.T., Report prepared for United Keno Hill Mines Ltd., 12 p.

CERTIFICATE OF QUALIFICATIONS

I, Dennis R. Prince with business address of:

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

and residential address:

13 Koidern Avenue
Whitehorse, Yukon
Y1A 3N7
Tel: 403-667-4720

do hereby certify that:

1. I am a practicing geologist.

2. I hold a Bachelor of Science (Honours) Degree (1970) in Geology from Memorial University of Newfoundland.

3. I am a Fellow of the Geological Association of Canada.

4. I am a member of the Professional Geoscientists Society of Yukon.

5. I have been practicing my profession for 16 years. I was employed by Falconbridge Limited as an Exploration Geologist from 1970 to 1981 and am now employed by United Keno Hill Mines Limited in the capacity of Exploration Manager.

6. This report entitled "Report on the Upper Sulphur Creek Project: SUL 107 to 114, SUL 185 to 188, SUL 252 254, SUL 265, Dawson Area, Dawson Mining District" and dated "October, 1986" is based on work supervised by me as an employee of United Keno Hill Mines Limited.

6. I have not received nor do I expect to receive any interest, either directly or indirectly, in the properties concerned in this report or in United Keno Hill Mines Limited.

Respectfully submitted,

Dennis R. Prince,
B.Sc. (Hon.), FGAC

SUL256
SUL265
SUL115
SUL113
SUL116
SUL114
SUL189
SUL188
2200
2400
Trench 3
Pit 1
Pit 2
Sulphur Creek
Green Gulch
Pit 3
Trench 2
0+00S
0+50S
1+00S
1+50S
2+00S
2+50S
3+00S
3+50S
4+00S
4+50S
Base Line
0+25E
0+50E
0+75E
1+00E
1+25E
1+50E
1+75E
2+00E
2+25E
2+50E
SUL111
SUL112
SUL109
SUL110
SUL254
SUL253
Trench 1
SUL187
SUL186
Settling Pond
X94477,33
X12813,6
X12812,41
SUL107
SUL108
Sulphur Creek Road
2800
3000
2600
3200

LEGEND

- Anomalous Gold Intersection
- Placer Mining Area
- Percussion Drill Holes
- Claim Post
- Telephone Line
- 4 Wheel Drive Road
- Dirt Road
- X Grab Sample Location/Sample No; Au in p.p.b.
- Channel Sample/Sample No; Au in p.p.b.
- Pit
- Trench

NOTES: Relationship between 1985/86 grids, not as shown on map. Also, 1986 grid plot does not accurately reflect trends of baseline.

SCALE
50m 0m 50m 100m 150m 200m

UNITED KENO HILL MINES LTD.
EXPLORATION DEPARTMENT
WHITEHORSE - YUKON

SULPHUR CREEK
CLAIM AND TRENCH LOCATION MAP

Mining District DAWSON
NTS Sheet No. 115-O
Scale 1:5,000 1cm=50m

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Drawn by H.D.P.
Date 86/08/15

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