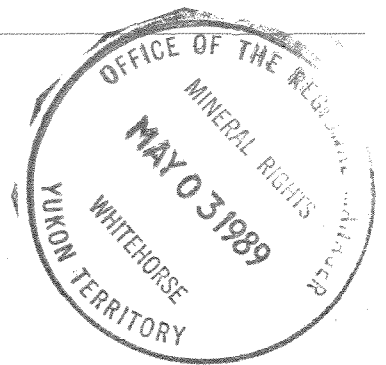




SKUKUM GOLD INC.



GEOLOGICAL AND GEOCHEMICAL R E P O R T

ON THE

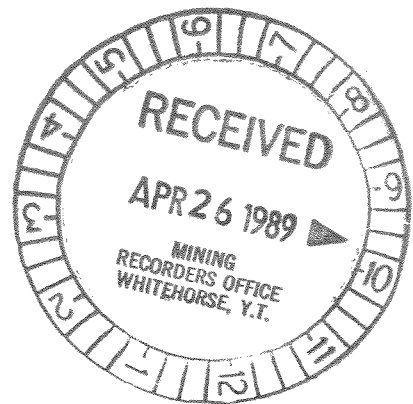
HOD 1-46 and LT 1-8 MINERAL CLAIMS
(YB12902-947 & YB13391-398)

HODNETT LAKES AND MINERAL HILL AREA
WHITEHORSE MINING DISTRICT
YUKON TERRITORY

N.T.S.: 105D/6

LATITUDE: 60 DEGREES 20 MINUTES NORTH
LONGITUDE: 135 DEGREES 12 MINUTES WEST

SKUKUM GOLD INC.
#706-595 Howe Street,
Vancouver, B.C.
V6C 2T5




BY

ANDREW L. WILKINS B.Sc.
and
HUGH F. MacKINNON B.Sc.

March 30, 1989

092706

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 5400.00.

for 
Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

SUMMARY

This report describes exploration work performed on the HOD and LT Mineral Claims located south of the Watson River near Mineral Hill and Hodnett Lakes in the southern Yukon.

The HOD and LT claims are underlain by the Tally-Ho Shear Zone which separates granitic rocks of the Triassic to Tertiary Coast Plutonic Complex from folded Mesozoic volcanic and sedimentary rocks of the Whitehorse trough. The Tally-Ho Shear Zone is composed of sheared, chloritic metavolcanics.

Two mineralized showings exist on the property. The Lucky Boy showing was discovered in 1909 and consists of a 2 meter wide vein with chalcopyrite, chalcocite and malachite mineralization. The TK zone was discovered in the 1988 program and consists of a major shear zone up to 25 meters wide and traceable for a minimum of 600 meters. Mineralization consists of sphalerite, chalcopyrite, galena and pyrite. Assays of up to 7.20% zinc, 1.12% lead, 1.89% copper and 10.98 ounces per ton (376.6 grams/tonne) silver have been returned from the zone.

A program of grid soil sampling, contour talus fines sampling, detailed mapping and prospecting followed by diamond drilling is recommended for the 1989 field season.

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1. INTRODUCTION

1.1 LOCATION & ACCESS

The HOD and LT Mineral Claims are located south of the Watson River near Mineral Hill and the Hodnett Lakes in the southern Yukon at 60 degrees 20 minutes North latitude and 135 degrees 12 minutes West longitude (NTS:105D/6). The property is accessible by helicopter, with the nearest permanent base being Whitehorse, Yukon Territory. The 1988 work program was conducted from a camp established in the Wheaton River Valley, approximately 18 air kilometers to the southwest. The property is also accessible by a 4x4 road up Morrison Creek to the east, however the condition of this road is unknown.

1.2 CLIMATE, TOPOGRAPHY & VEGETATION

The climate in this area of the Yukon is variable with hot summers, enhanced by 18 - 20 hours of daylight, and long cold winters. Precipitation is moderate (60 centimeters annually) with about half falling as rain. At the higher elevations, snow remains on the north exposures till the end of June.

The topography of the HOD and LT claims is rolling mountainous terrain. Maximum relief in the area is approximately 790 meters (2600 feet) with valley floors of 1190 meters (3900 feet) and summits up to 1980 meters (6500 feet).

Ninety-five percent of the property is above treeline, with talus and felsenmeer covering the steeper terrain and higher elevations, and stunted spruce, willows, alpine grasses, shrubs and wild flowers in the other areas.

1.3 PROPERTY & CLAIM STATUS

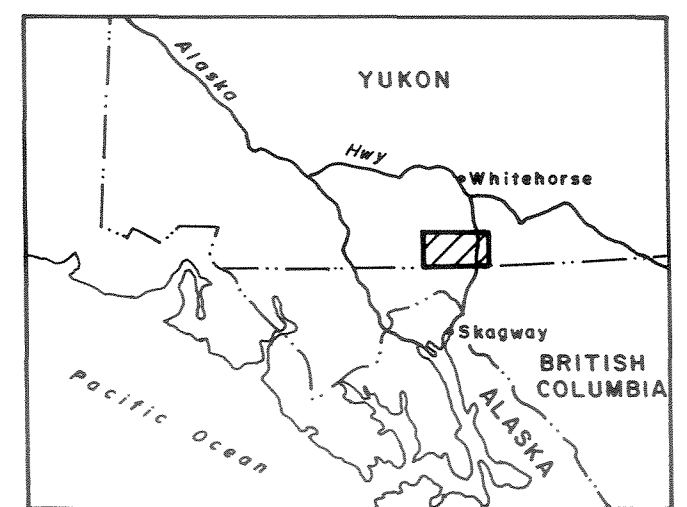
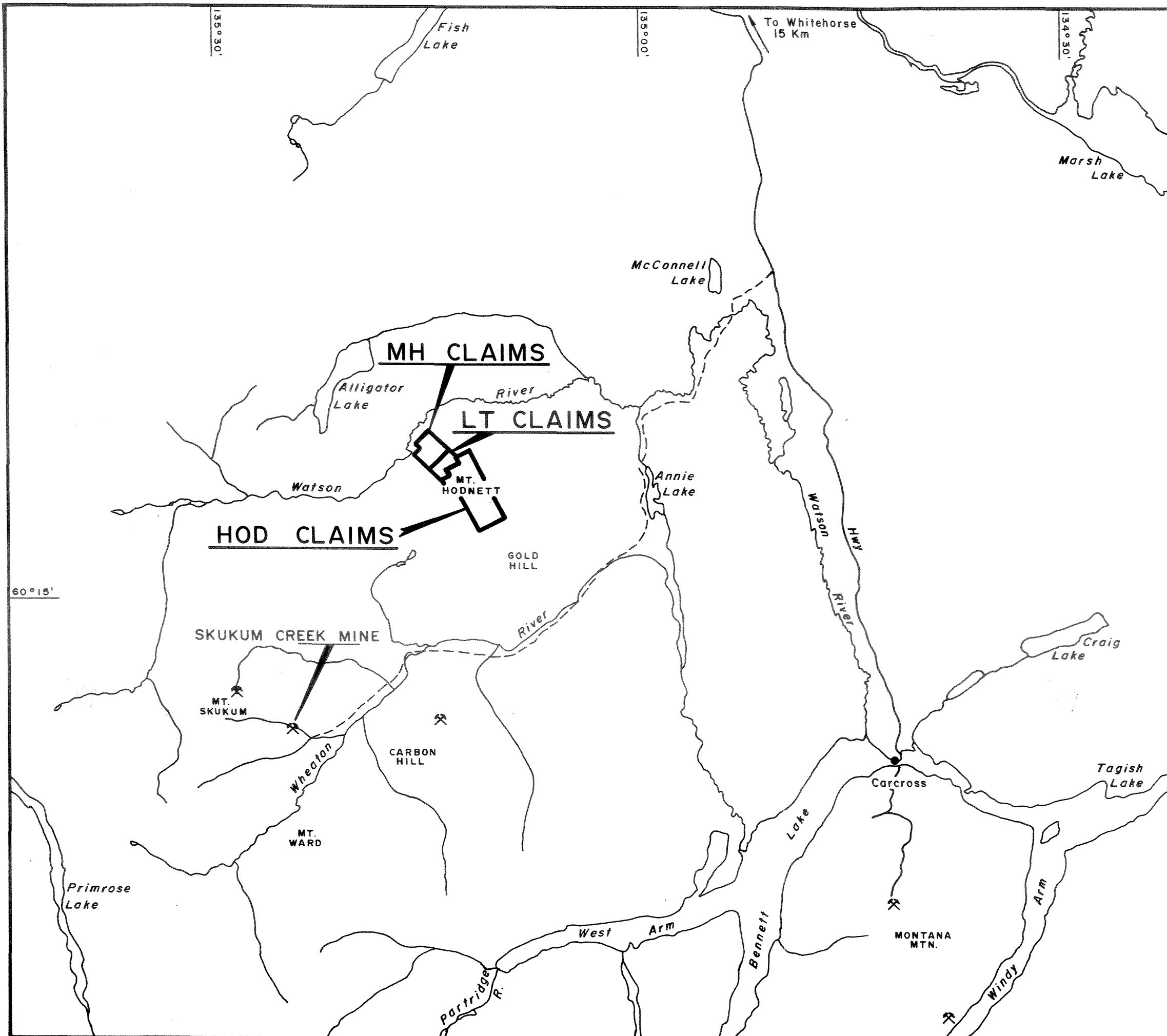
The HOD and LT property consists of 54 claims located within the Whitehorse Mining District and staked under the provisions of the Yukon Quartz Mining Act. The claims are listed in table 1 below.

TABLE 1: - CLAIM STATUS

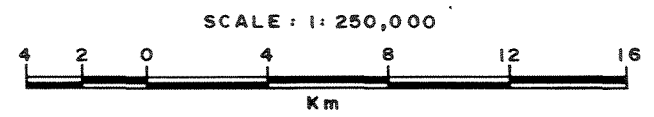
Claim Name	Grant Numbers	Recording Date	Renewal Period	Total Claims
HOD 1-46	YB12902-947	04-MAR-88	04-MAR-90	46
LT 1-8	YB13391-398	21-APR-88	21-APR-90	8

* pending acceptance of this report.

The claims are shown on Claim Sheet 105D/6. All the claims are 100% owned by Skukum Gold Inc. of Vancouver, B.C..



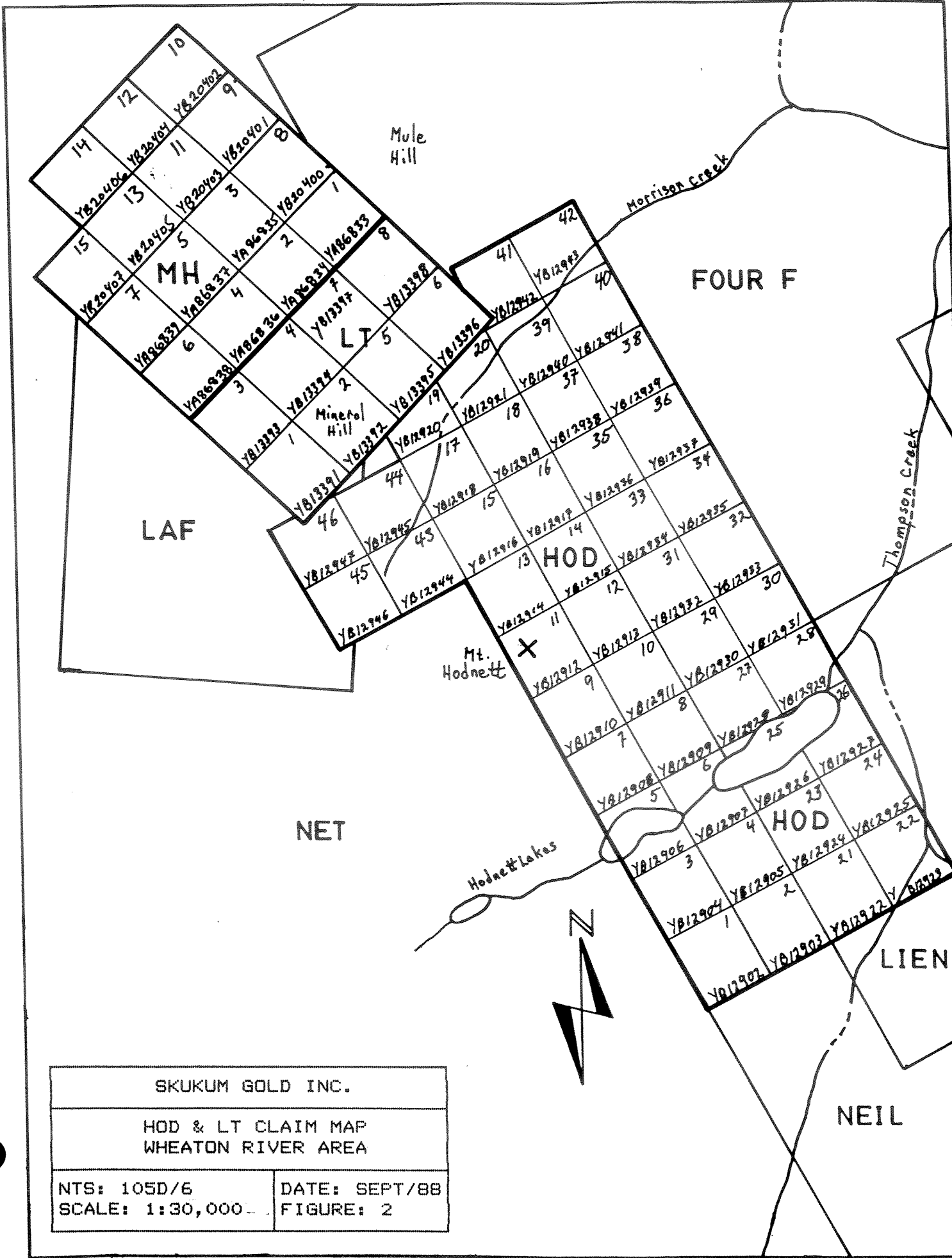
LOCATION MAP



SKUKUM GOLD INC.
HOD-LT-MH CLAIMS
 WHITEHORSE MINING DIVISION - YUKON TERRITORY

LOCATION MAP

N.T.S. 105D3	FIGURE No. 1
DRAWN BY: A.L.W., H.F.M., T.M.	DATE: APRIL, 1989



SKUKUM GOLD INC.	
HOD & LT CLAIM MAP WHEATON RIVER AREA	
NTS: 105D/6	DATE: SEPT/88
SCALE: 1:30,000	FIGURE: 2

1.4 PREVIOUS WORK HISTORY

The Geological Survey of Canada conducted a regional geochemical stream sediment survey in the area in 1985 (G.S.C., 1985) however they only sampled two of the creeks draining the HOD and LT claims and none of these creeks were anomalous.

Three old mineral showings with exploration activity exist in the vicinity of the HOD claim group.

The Lucky Boy showing is located on the eastern side of Mineral Hill on the LT claims and consists of a quartz vein at least two meters wide occurring in greenschist of the Lewes River Group. Bulldozer trenching in 1980 outlined an irregular quartz vein containing galena and chalcopyrite. Assays of a few samples were reported to be low (Cairnes, 1912 & Davidson, 1986). A grid soil geochemistry program was conducted in the vicinity of the Lucky Boy showing in the summer of 1985. A 550 meter baseline with 7.2 kilometers of crosslines was established. For the most part, the geochemical response was low, however some weak gold, silver, copper and lead anomalies were identified (Davidson, 1986).

The Legal Tender showing lies on the north face of Mineral Hill to the west of the HOD and LT claims. The showing consists of a northwest striking, finely crystalline quartz vein up to 1.1 meters wide. In 1909, a 30 meter adit was driven along the vein and values were reported to average \$40.00 per ton of predominantly silver (Cairnes, 1912).

The Gold Reef Vein is located on the northeast side of Gold Hill, 1300 meters to the southeast of the HOD claims. The vein is traceable for 300 meters and averages 1.2 to 1.5 meters in width. It occurs within the metavolcanics of the Lewes River Group at an attitude of approximately 145/55°SW. The vein consists of massive quartz with pyrite. Locally, there are rich pockets of native gold, sylvanite, hessite, petzite and telluric ochre. Gold occurs mainly in the pockets either as small, spongy masses or in minute, bright, solid particles. In 1909 the property contained several hundred feet of drifts, crosscuts and shafts but less than a ton of ore was shipped (Wheeler, 1961). In 1987, some trenching was performed (Doherty & Hart, 1988).

Since the early 1980's there has been exploration work conducted on numerous properties located in the vicinity of the HOD and LT claims since the discovery and development of TOTAL ERICKSON'S MOUNT SKUKUM MINE (Au, Ag), and OMNI RESOURCES' and SKUKUM GOLD'S opening SKUKUM CREEK MINE (Au, Ag, Pb, Zn, Cu). Numerous important epithermal and mesothermal style gold-silver-copper-lead-zinc-arsenic-antimony showings exist in and around the Mount Skukum Volcanic Complex. Gold-silver and telluride bearing quartz

veins are also found throughout the Tally-Ho Shear Zone.

Skukum Gold and several other companies are conducting exploration work throughout the Wheaton River area.

1.5 1988 WORK PROGRAM

A preliminary exploration program was carried out by a four person crew intermittently between August 6 and September 20, 1988. The Skukum Creek Mining Camp in the Wheaton River Valley was used as a base and a Hughes 500D helicopter was used for access to the property.

Exploration consisted of prospecting of the HOD and LT claims and geological mapping, talus fines sampling, and rock sampling of the TK zone.

The 1988 work program was conducted by the following Skukum Gold Inc. personnel:

Andrew Wilkins B.Sc.	Project Geologist
Hugh MacKinnon B.Sc.	Geologist
Erik Bergvinson	Geological Assistant
Tenney Wilkins.....	Geological Assistant

2. GEOLOGY

2.1 REGIONAL GEOLOGY

The regional geology is presented in Figure 3.

The HOD and LT claims lie on the border between the Nisling Terrane to the west and the Whitehorse Trough to the east. The Nisling Terrane is composed of rocks of the Proterozoic to Permian Yukon Crystalline Terrane and the Triassic to Tertiary Coast Plutonic Complex. The Whitehorse trough consists of folded Mesozoic volcanic and sedimentary rocks. The Tally-Ho Shear Zone separates the two terranes and consists of mafic volcanic and volcanoclastic rocks, augite porphyry, marble, and ultramafic intrusions variably metamorphosed to upper greenschist facies with a penetrative fabric indicative of semi-ductile to brittle deformation (Coward, 1982 & McClay, 1984). It is 1-4 kilometers wide, 40 kilometers long, strikes at 145 and dips at 40° to 75° to the southwest (Doherty & Hart, 1988).

Lower Tertiary volcanics of the Skukum Group unconformably overlie and intrude the granitic rocks of the Coast Plutonic Complex and the discontinuous roof pendants of schists, gneisses, marbles and quartzites of the Yukon Group. The Skukum Group of Eocene age, is the northernmost part of the Sloko volcanic province and outcrops in two distinct areas. The Mount Skukum Complex is the northerly of the two complexes and consists of predominantly felsic to andesitic

LEGEND

QUATERNARY

- R_{MC}** Miles Canyon Basalt
Dark red to brown weathering, columnar jointed flows of amygdaloidal and vesicular basalt
- Q_c** Colluvial Deposits
Locally derived, unconsolidated gravel
- Q_f** Fluvial Deposits
Unconsolidated gravel, silt and sand of fluvial or glaciofluvial origin
- Q_l** Lacustrine Deposits
Unconsolidated sand, silt and varved clay of glacial or glaciolacustrine origin
- Q_g** Glacial Deposits
Unconsolidated, moraine, esker, kame and drift material

TERTIARY

Eocene

SKUKUM GROUP (49-52Ma)

MOUNT SKUKUM VOLCANIC COMPLEX

- E_{tp}** Rhyolite Feldspar Porphyry
High level, buff weathering, felsic domes, plugs and laccoliths
- E_{qtp}** Bennett Lake Ring Dykes
Coarse quartz-feldspar granite porphyry
- E_r** Rhyolite Dykes
Flaggy, orange, rusty orange to white orange, mauve or tan, fine-grained rhyolite; occur as dykes, dyke swarms, and flow domes; composite dykes are common
- T_{gr}** Smokey Quartz-Eye Granite
Orange brown weathering, medium- to coarse-grained smokey quartz eye, quartz-rich granite
- E_{wt}** Welded Felsic Tuff
Dark reddish brown, columnar jointed densely welded tuff; includes unwelded tuff on Vesuvius Hill
- E_{rt}** Rhyolite Tuff
Well-bedded, purple and grey rhyolite tuff and lithic tuff; probably equivalent to E_{rt} or E_{wt}
- E_{LT}** Felsic Pyroclastic Rocks
Massive to well-bedded, pastel coloured slightly altered rhyolite to intermediate tuff, lithic tuff and welded tuff
- E_{max}** Felsic Mega Breccia
Intra-Cauldera collapse breccia, composed of very large blocks of flow banded rhyolite (E_{rt})
- E_{rf}** Rhyolite Flows
Flaggy, dark red, purple to grey, white to pale green flow banded, auto-brecciated and spherulitic rhyolite flows
- E_{ss}** Epiclastic Tuff and Sediments
Light tan brown well-bedded epiclastic sandstone, siltstone, occurs locally at the base of E_{rt}
- E_{sk}** Skukum Group Undifferentiated
Undifferentiated volcanic rocks
- E_{ab}** Andesite Breccia
Massive, dark green and brown andesite monolithic breccia, composed of andesite porphyry fragments
- E_{an}** Andesite Flows and Tuff
Massive to poorly-bedded dark brown and purple to pale green andesite and andesite porphyry flows and associated tuff
- E_{dt}** Dacite to Andesite Lithic Tuff
Pale green dacite lithic tuff, commonly containing dark reddish brown magnetic clasts of intermediate composition
- E_{s2}** Interlayered Epiclastic Rocks
Interlayered epiclastic sediments, bedded tuff, lithic tuff, and a dark pink, densely welded ignimbrite marker
- E_{s1}** Tufts and Epiclastic Rocks
Moderately well-bedded, pastel coloured felsic and altered felsic pyroclastic rocks commonly interbedded with associated grey, green and purple epiclastic rocks
- E_s** Tufts and Epiclastic Rocks
E_{s1} and E_{s2} undivided.
- E_{cg}** Conglomerate
Massive, hematitic, clast-supported, cobble and boulder conglomerate, contains locally derived basement fragments
- E_{ve}** Felsic Volcanics
Dark vitreous rhyolite and dacite flows and welded tuff, containing granitic fragments; hornfelsed at the contact with E_{tp}, may be of Late Cretaceous age

LATE CRETACEOUS and TERTIARY

- KT_{qm}** Pink Quartz Monzonite
Pale pink weathering, medium-grained, quartz-monzonite
- KT_{gd}** Perkins Peak Plug
Alaskite-granite with mafic border phase rich in biotite and hornblende
- KT_{gr}** Mount McNeil Biotite Granite
Light rusty orange weathering, medium-grained, biotite granite

- LK_{lg}** Leucogranite
White weathering, medium-grained, saccharoidal textured, quartz rich granite
- K_v** Felsic to Intermediate Volcanics
Interbedded dark grey vitreous rhyolite flows and lithic tuff, porphyritic andesite flows, tuff and associated epiclastic sediments

CRETACEOUS

- K_{gr}** Folle Mountain Granite
Medium- to coarse-grained biotite granite
- K_{gd}** Grandodiorite
Grey, coarse-grained hornblende granodiorite.
- uK_{gr}** Mount Anderson Granite-Granodiorite
Crumbly weathering biotite, hornblende granite granodiorite
- K_{qm}** Boudette Creek Quartz Monzonite
Dark grey weathering, massive, medium- to coarse-grained, smokey quartz-eye biotite hornblende quartz-monzonite

JURASSIC and CRETACEOUS

UPPER JURASSIC

- JK_{gd}** Wheaton Valley Hornblende Granodiorite
Medium- to coarse-grained foliated, highly fractured and altered hornblende granodiorite

TANTALUS FORMATION

- JK_{TCg}** Conglomerate
Massive to thick bedded, resistant, medium grey, chert pebble conglomerate with recessive, poorly indurated, gritty sandstone and quartz sandstone interbedded with dark grey shale and varicoloured well-bedded siliceous shale
- JK_{Tcm}** Coal Measures
Recessive weathering highly fractured, high ash and meta-anthracite coal; interbedded with JK_{TCg}
- JK_{gd}** Fenwick Creek Diorite
Fine- to medium-grained, acicular hornblende, biotite diorite, quartz diorite with mafic xenoliths, and minor gabbro

LOWER AND MIDDLE JURASSIC

LABERGE GROUP

- J_{lan}** Porphyritic Andesite
Coarse-grained plagioclase porphyritic flows
- J_{ls}** Sedimentary Rocks
Massive to well-bedded, dark grey greywacke, arkose, siliceous siltstone and argillite, immature sandstone and grit; may contain 3 meter bed of limestone or fossiliferous black shale
- J_{log}** Conglomerate
Orange-weathering massive to poorly-bedded, clast-supported, well-rounded granitic cobble conglomerate
- J_{gd}** Friday Creek Diorite
Foliated, fine- to medium-grained hornblende and biotite granodiorite, diorite

UPPER TRIASSIC TO JURASSIC

- T_{ub}** Pyroxenite
Dark brown, coarse-grained pyroxenite with locally developed serpentine in shears
- T_b** Leuco-Gabbro
Coarse-grained foliated leucogabbro
- T_{gd}** Megacrystic Granite-Granodiorite
Pink potassium feldspar megacrystic granodiorite, commonly with easterly trending mafic dyke swarms
- T_{br}** Intrusion Breccia ?
Siliceous fragmental breccia of uncertain age

LEWES RIVER GROUP

- uT_{ls}** Clastic Rocks
Massive- to medium-bedded, well-indurated, dark grey greywacke and arkose with minor conglomerate, argillite, occasional limy beds, sometimes fossiliferous, massive dark grey, angular, fragmental, monolithic pebble conglomerate and tuff
- uT_{lvo}** Volcanic Sediments
Purple and green, massive agglomerate, conglomerate, bedded arkose, greywacke and shale; clasts are typically of andesitic feldspar porphyry, chlorite amygdaloidal lavas and associated volcanic sediments; intralaminar conglomerate, interbedded amygdaloidal lava flows and a 4 m bed of pale grey to pink limestone and limestone breccia
- uT_{ls}** Carbonate
Massive, occasionally fossiliferous, white to buff to light grey weathering limestone and brecciated or sheared marbles
- T_{lv}** Volcanic Rocks
Massive, resistant, altered, dark-green andesitic flow, breccia, tuff, feldspar porphyry and argillite porphyry commonly sheared to chlorite or chlorite augen schist; or talc schists with secondary epidote or iron-carbonate alteration

TRIASSIC and OLDER ?

- M_v** Mesozoic Volcanics ?
Massive, recessive weathering, dark green, altered and metamorphosed andesite flow, breccia and tuff

tuffs and flows and related epiclastics.

Rhyolite dykes cross-cut all the above units and are considered to be the latest phase of Eocene volcanism.

TABLE 2: - TABLE OF FORMATIONS

QUATERNARY

PLEISTOCENE AND RECENT

Q.....Glacial drift and alluvium.

Unconformity

TERTIARY

EOCENE

SKUKUM GROUP

Erd.....Rhyolitic dyke.

Intrusive Contact

UPPER JURASSIC AND CRETACEOUS

COAST PLUTONIC COMPLEX

MKgr.....Mount Anderson Granodiorite.

JKgd.....Wheaton Valley Hornblende Granodiorite.

Intrusive or Fault Contact

UPPER TRIASSIC TO JURASSIC

LEWES RIVER GROUP

UTLC.....Limestone and sheared marbles.

TLV.....Andesitic metavolcanics.

2.2 PROPERTY GEOLOGY

The HOD claims are underlain by massive, altered, dark green andesitic flows, breccias, tuffs, feldspar porphyries and augite porphyries of the Upper Triassic to Jurassic Lewes River Group (TLV). These Lewes River Group volcanics are commonly sheared to chlorite schist, chlorite augen schist or talc schists with secondary epidote or iron-carbonate alteration. Upper Triassic massive, occasionally fossiliferous, white to buff to light grey weathering limestone and brecciated or sheared marbles (UTLC) belonging

to the Lewes River Group also underlie the claims.

The Lewes River Group is intruded by the medium to coarse grained, foliated, highly fractured and altered Upper Jurassic Wheaton Valley Hornblende Granodiorite (JKgd) to the east and in fault contact with the crumbly weathering Cretaceous Mount Anderson Biotite Hornblende Granite Granodiorite (MKgr) to the west.

These units have been intruded by fine grained to aphanitic rhyolitic dykes (Erd), which are related to the Mount Skukum Volcanic Complex of Eocene age to the southwest.

3. GEOCHEMISTRY

3.1 INTRODUCTION

Talus fines samples were collected in select portions of the property. Rock samples were collected from interesting looking lithologies, alteration, and mineralization. A total of 108 talus fines samples and 31 rock samples were collected.

3.2 SAMPLE PREPARATION AND ANALYTICAL PROCEDURE

Talus fines and silt samples were collected in KRAFT gusseted paper bags and sent to ACME ANALYTICAL LABS of Vancouver B.C.. At ACME, samples were oven dried at approximately 60 degrees Celsius and sieved to minus 80 mesh. Rock samples were collected in plastic bags and also sent to ACME. Samples were then crushed down to minus 3/16 of an inch, and then a 1/2 pound of the sample is pulverized to minus 100 mesh. A 0.5 gram sample of the minus 80 fraction of all samples was digested in hot, dilute aqua regia in a boiling water bath and then diluted to 10 ml. with distilled water. Silt, talus fines and rock samples were analyzed for copper, lead, zinc, arsenic and silver using the Induced Coupled Plasma (ICP) technique. Some talus fines were also analyzed for antimony. Some rock samples were analyzed for 30 elements using the ICP technique. In addition, gold was analyzed for all samples from a 10 gram fraction by the conventional Atomic Absorption (AA) technique. Select rock samples were assayed for silver and gold using conventional assay methods.

3.3 MINERALIZATION & ROCK GEOCHEMISTRY

Rock sample descriptions are presented in Appendix 1.

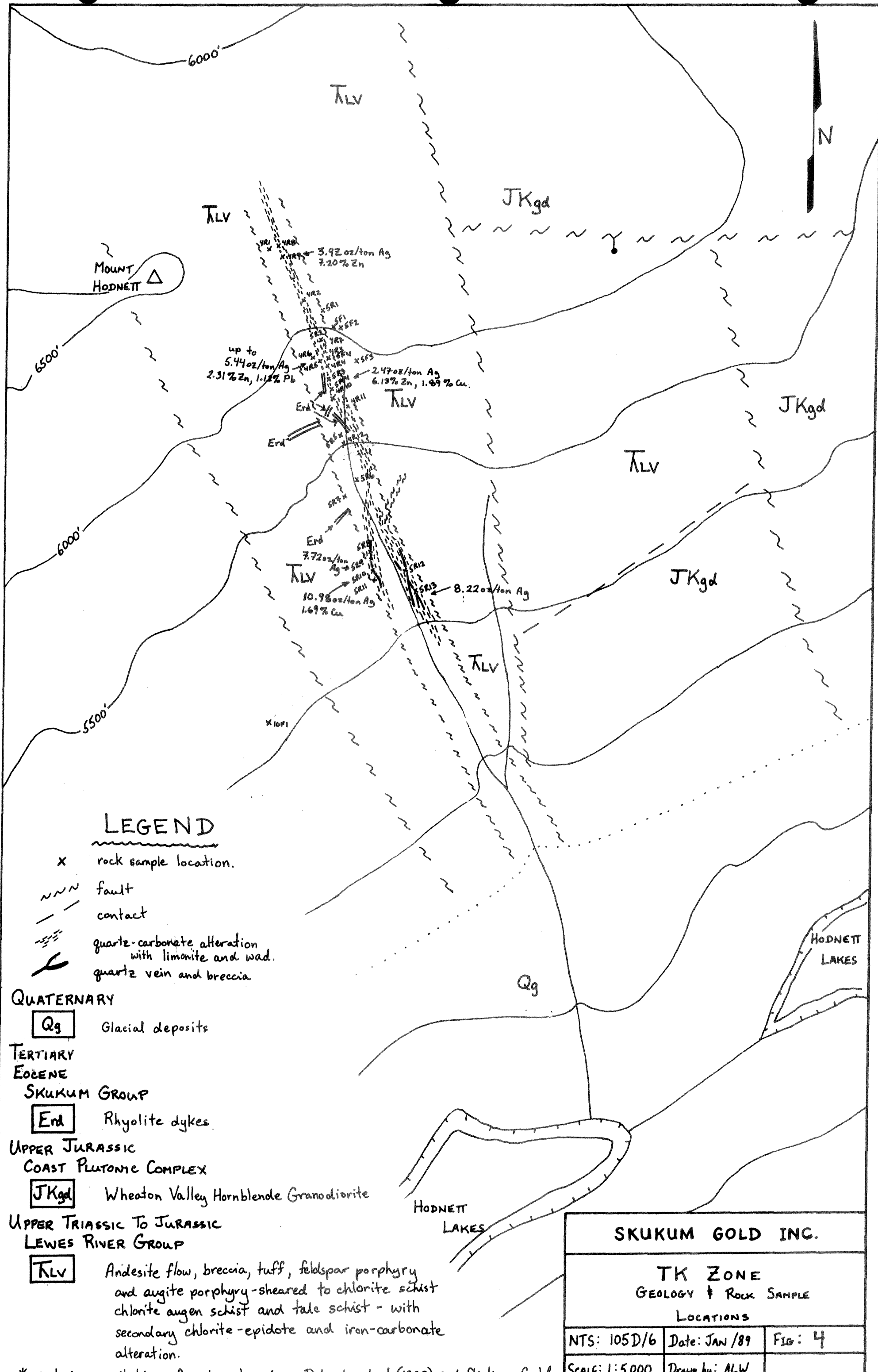
The TK zone is a prominent southeast facing gossanous gully within the Tally-Ho Shear Zone and identifiable from the air. The gully represents a 15 to 25 meter wide shear zone with an attitude of approximately 155/75°SW. The shear zone contains cryptocrystalline quartz and carbonate veining and alteration.

Fine grained sulphides are found within the quartz-carbonate veining and include galena, sphalerite, pyrite and chalcopryrite. Limonite, manganese and malachite staining are common. Assays of up to 10.98 ounces per ton (376.6 grams/tonne) silver, 1.89% copper, 1.12% lead and 7.20% zinc have been returned from the zone. The zone is also anomalous in cadmium (≤ 1179 ppm) and bismuth (≤ 874 ppm). The shear zone strikes southeasterly and dips steeply to the southwest. The zone is within the Tally-Ho Shear Zone and is hosted by dark green andesitic flows, breccias, tuffs, feldspar porphyries and augite porphyries of the Lewes River Group which are commonly sheared to chlorite schist, chlorite augen schist or talc schists with secondary epidote or iron-carbonate alteration. Mineralization has been traced for 600 meters horizontal distance and 370 meters vertical distance. Figure 4 shows the geology and rock sample locations of the TK zone.

The Lucky Boy showing consists of a quartz vein at least two meters wide occurring in greenschist of the Lewes River Group. It is also part of the Tally-Ho Shear Zone. Bulldozer trenching in 1980 outlined an irregular quartz vein containing galena and chalcopryrite. Assays of a few samples were reported to be low (Davidson, 1986). The showing occurs 2000 meters to the northwest of the TK zone.

TABLE 3: - ANOMALOUS ROCK SAMPLES - TK ZONE

Sample #	Ag ppm OPT	Zn ppm %	Pb ppm %	Cu ppm %	Cd ppm	Bi ppm
7-4R4	2.05	1.27%	1.12%	51	330	217
7-4R5	5.44	2.20%	1636	54	429	874
7-4R6	2.83	1.29%	886	743	191	215
7-4R8	0.19	1.71%	77	51	270	
7-4R9	3.93	7.20%	576	186	1179	322
7-4R10	0.50	2229	1286	36		
7-4R11	0.36	3197	2724	140		
7-5F4	0.23	254	18	3627		
7-5R2	0.22	2.31%	331	560	354	148
7-5R3	0.71	5172	944	156		
7-5R4	2.47	6.13%	989	1.89%	885	408
7-5R6	0.33	7854	327	4275	124	101
7-5R7	26.7	4124	2046	221		
7-5R8	3.15	47	711	5491		
7-5R9	7.72	99	339	6656		
7-5R10	10.98	65	1814	1.69%		
7-5R11	32.5	1727	2042	126		
7-5R12	2.15	95	435	5626		
7-5R13	8.22	12	713	818		



LEGEND

- x rock sample location.
- ~ fault
- - - contact
- quartz-carbonate alteration with limonite and wad.
- quartz vein and breccia

QUATERNARY

Qg Glacial deposits

TERTIARY EOCENE

SKUKUM GROUP

Erd Rhyolite dykes

UPPER JURASSIC

COAST PLUTONIC COMPLEX

JKgd Wheaton Valley Hornblende Granodiorite

UPPER TRIASSIC TO JURASSIC LEWES RIVER GROUP

TLV Andesite flow, breccia, tuff, feldspar porphyry and augite porphyry-sheared to chlorite schist chlorite augen schist and talc schist - with secondary chlorite-epidote and iron-carbonate alteration.

SKUKUM GOLD INC.

TK ZONE
GEOLOGY & ROCK SAMPLE
LOCATIONS

NTS: 105D/6	Date: JAN/89	FIG: 4
SCALE: 1:5,000	Drawn by: ALW	

* note: compilation of geology based on Doherty et al (1988) and Skukum Gold

3.4 TALUS FINES GEOCHEMISTRY

3.4.1 TREATMENT AND PRESENTATION OF RESULTS

For the determination of anomalies, all the talus fines geochemical data from the HOD and LT claims were combined with other geochemical data from Skukum Gold Inc.'s 1988 sampling programs on the NET and VIN claims, which are in the vicinity of the HOD claims and have similar geology. Graphical statistical methods were used to separate background from anomalous metal concentration. A lognormal distribution was found to best represent the data. Threshold values and anomalous values were determined at the anti-log mean plus two anti-log standard deviations ($x+2s$) and the anti-log mean plus three anti-log standard deviations ($x+3s$) respectively. Anomalous sample divisions are presented in Table 4 below. Statistical summaries and histograms are presented in Appendix 3.

TABLE 4: - STATISTICAL SUMMARY OF ANOMALIES

Mean (x) talus fines	Threshold $x+2s$	Anomalous $x+3s$	Strongly Anomalous $x+4s$
Cu 15 ppm	71-98 ppm	99-129 ppm	+130 ppm
Pb 18 ppm	90-126 ppm	127-162 ppm	+163 ppm
Zn 78 ppm	340-469 ppm	470-600 ppm	+601 ppm
As 3 ppm	13-17 ppm	18-22 ppm	+ 23 ppm
Ag 0.2 ppm	1.1-1.5 ppm	1.6-2.0 ppm	+2.1 ppm
Au 2 ppb	16-21 ppb	22-28 ppb	+ 29 ppb

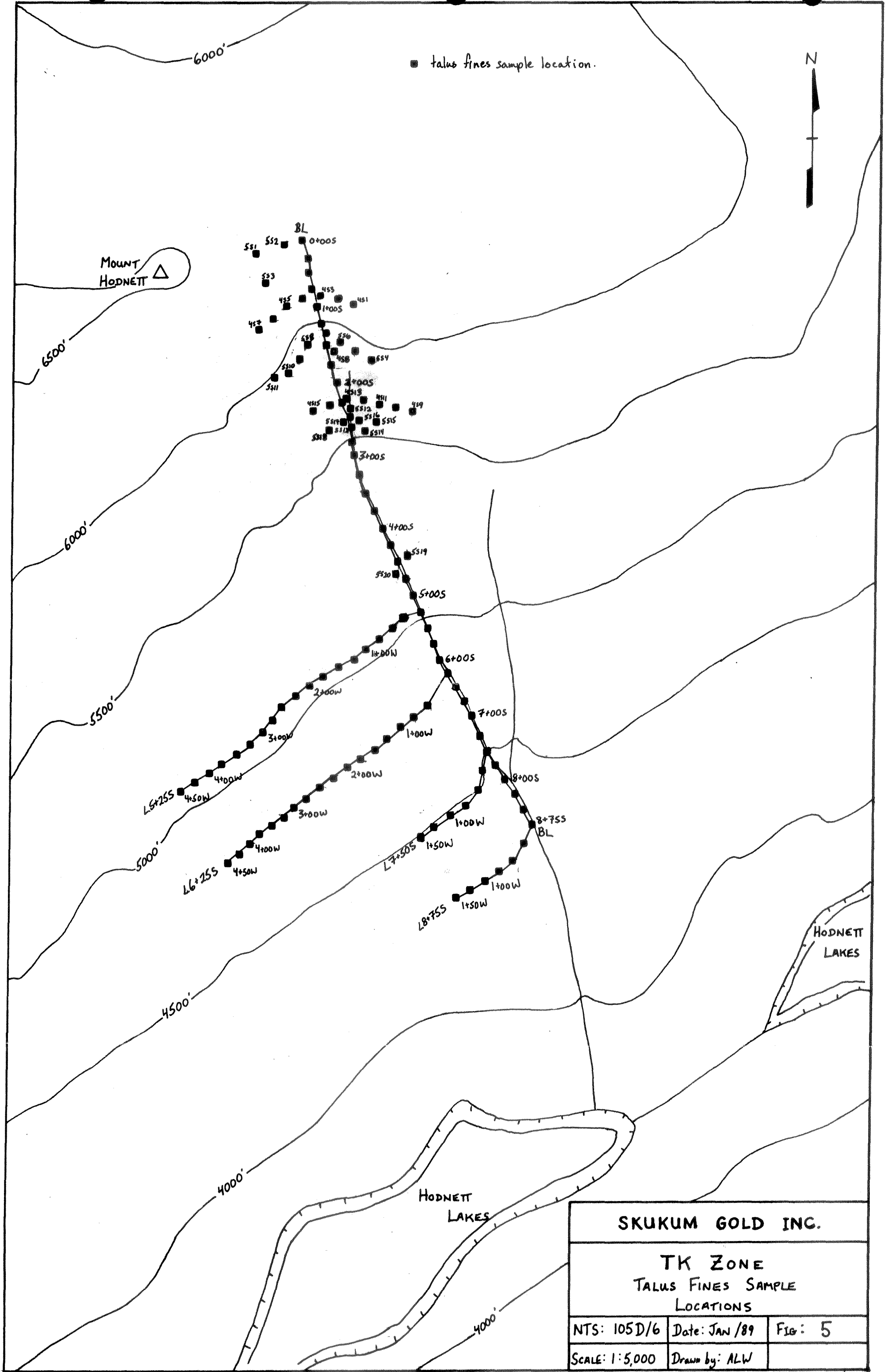
3.4.2 TALUS FINES RESULTS

Talus fines sample locations are presented in Figure 5 and anomalous geochemistry is presented in Figures 6 through 9.

All the talus fines sampling was confined to the area around the TK zone. The zone is strongly anomalous in copper, lead, zinc and silver with 53 of 109 samples anomalous in at least one of the four elements. Values of up to 38.4 ppm silver, 10,258 ppm zinc, 3,147 ppm lead and 1,520 ppm copper were obtained from the samples. The anomalous samples are predominantly confined to the fault gully.

4. DISCUSSION

Rock and talus fines samples in the northern and subsequently higher end of the TK zone are more anomalous in zinc and lead whereas samples in the southern and lower end of the zone are more anomalous in copper. Silver occurs throughout the system, however the highest silver values occur with high



■ talus fines sample location.



MOUNT
HODNETT

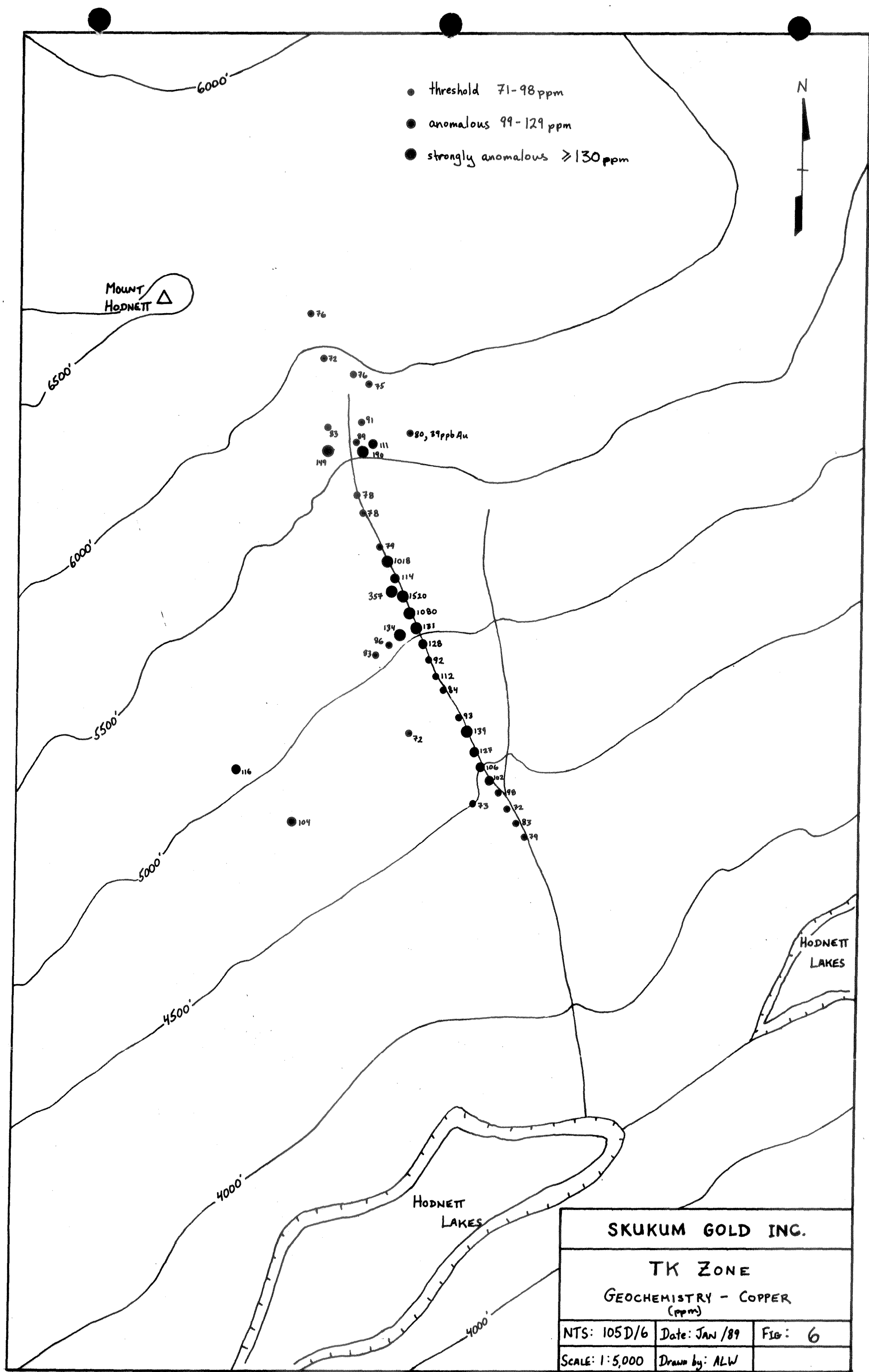
HODNETT
LAKES

HODNETT
LAKES

SKUKUM GOLD INC.

TK ZONE
TALUS FINES SAMPLE
LOCATIONS

NTS: 105D/6	Date: JAN/89	FIG: 5
SCALE: 1:5,000	Drawn by: ALW	



- threshold 71-98 ppm
- anomalous 99-129 ppm
- strongly anomalous ≥ 130 ppm



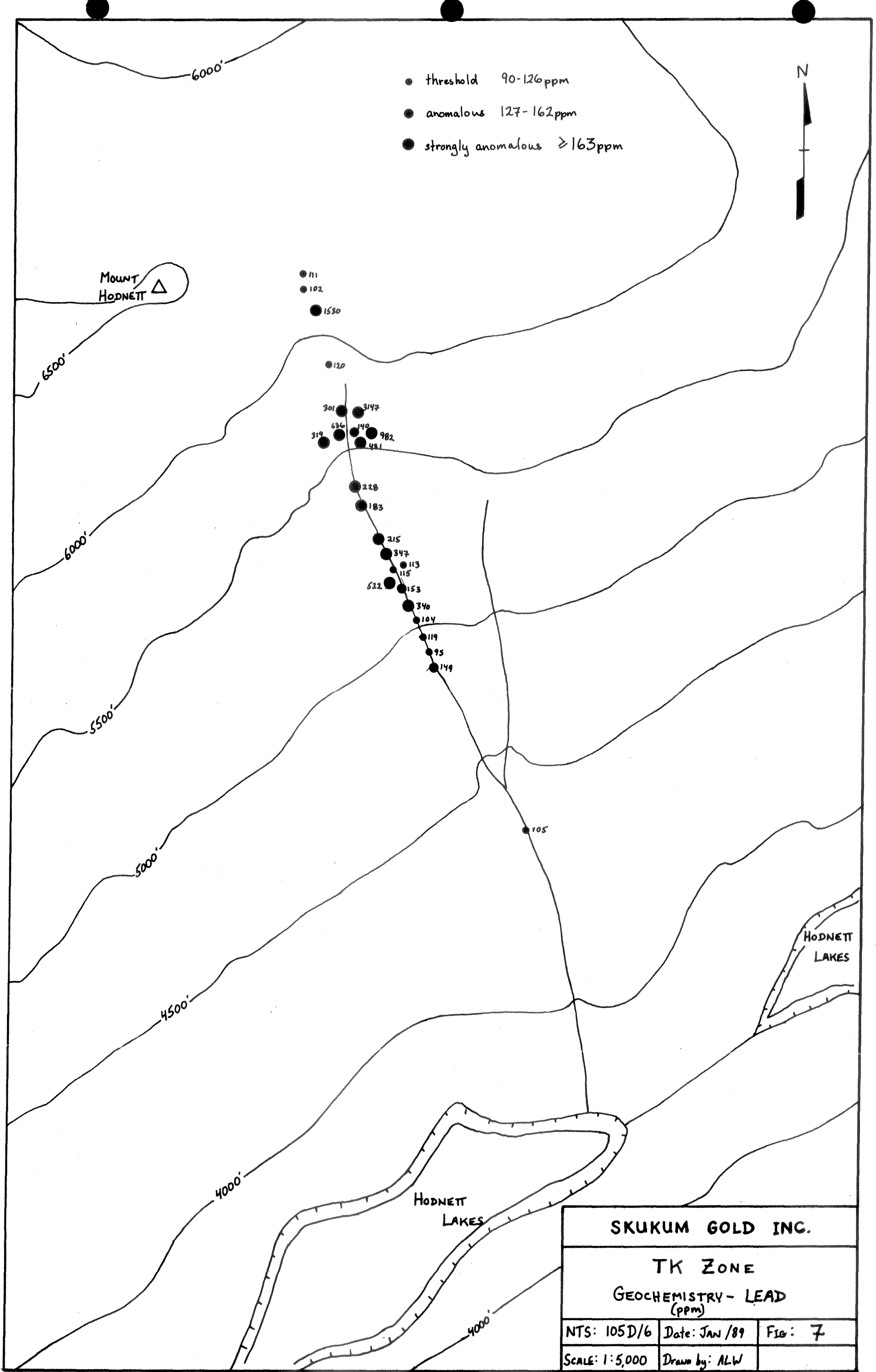
MOUNT HODNETT

80, 39ppb Au

HODNETT LAKES

HODNETT LAKES

SKUKUM GOLD INC.		
TK ZONE		
GEOCHEMISTRY - COPPER (ppm)		
NTS: 105D/6	Date: Jan /89	Fig: 6
SCALE: 1:5,000	Drawn by: ALW	



- threshold 90-126 ppm
- anomalous 127-162 ppm
- strongly anomalous ≥ 163 ppm



MOUNT
HODNETT \triangle

- 111
- 102
- 1530

- 120
- 301
- 319
- 636
- 3147
- 140
- 982
- 481
- 228
- 183
- 215
- 347
- 113
- 115
- 522
- 153
- 346
- 104
- 119
- 95
- 149

● 105

HODNETT
LAKES

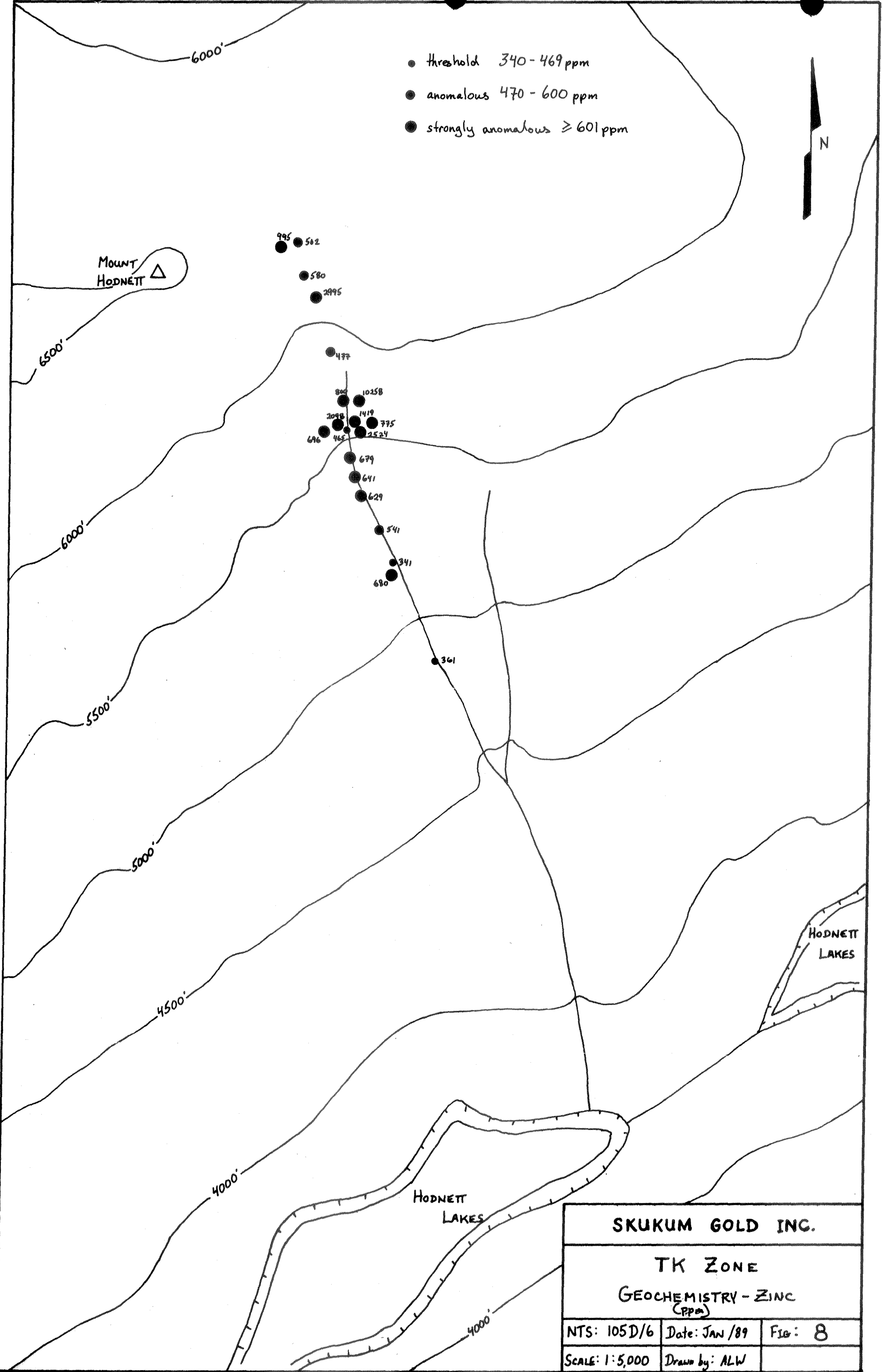
HODNETT
LAKES

SKUKUM GOLD INC.		
TK ZONE		
GEOCHEMISTRY - LEAD (ppm)		
NTS: 105D/6	Date: JAN/89	Fig: 7
SCALE: 1:5,000	Drawn by: ALW	

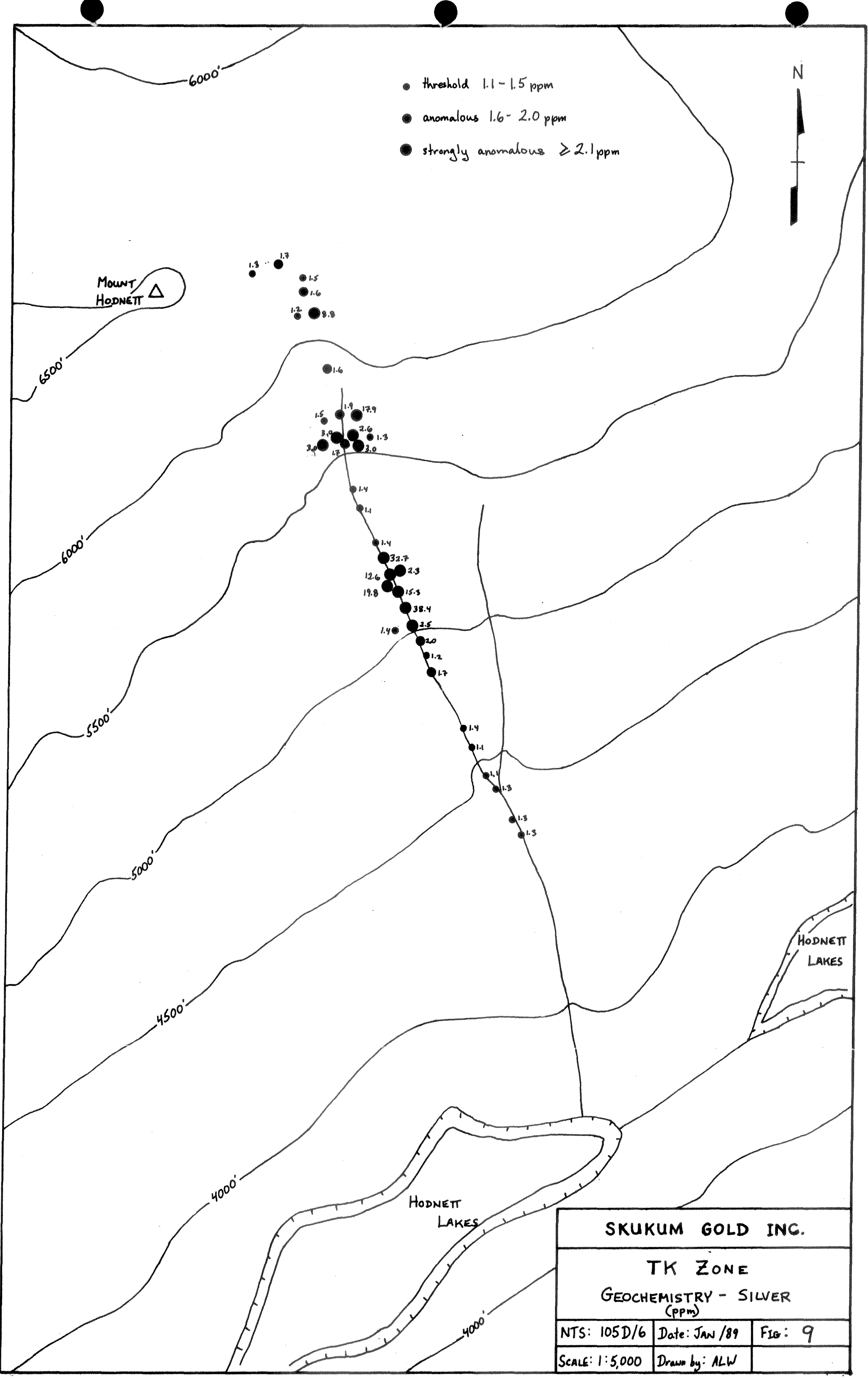
- threshold 340-469 ppm
- anomalous 470-600 ppm
- strongly anomalous ≥ 601 ppm



MOUNT
HODNETT \triangle



SKUKUM GOLD INC.		
TK ZONE		
GEOCHEMISTRY - ZINC (PPM)		
NTS: 105D/6	Date: JAN/89	Fig: 8
SCALE: 1:5,000	Drawn by: ALW	



- threshold 1.1 - 1.5 ppm
- anomalous 1.6 - 2.0 ppm
- strongly anomalous ≥ 2.1 ppm



MOUNT
HODNETT

HODNETT
LAKES

HODNETT
LAKES

SKUKUM GOLD INC.		
TK ZONE		
GEOCHEMISTRY - SILVER (ppm)		
NTS: 105D/6	Date: JAN/89	FIG: 9
SCALE: 1:5,000	Drawn by: ALW	

copper values. There seems to be no correlation between lead and silver, therefore it is assumed that the galena is not argentiferous. The silver must occur in some other form possibly as native silver or a silver telluride. The system is void in gold with 89 ppb gold being the highest value from the rock samples.

The Lucky Boy showing is 2000 meters to the northwest of the TK zone and the Gold Reef vein is 3500 meters to southeast of the TK zone. All three showings are on strike with each other, have similar attitudes (155/75°SW), and occur within the same Tally-Ho Shear Zone. In other words, if in fact all three showings are part of the same system, we have a mineralized system traceable for 6100 meters.

5. CONCLUSIONS AND RECOMMENDATIONS

Prospecting, geological mapping, talus fines sampling and rock sampling was the focus of exploration activity on the HOD and LT group of mineral claims during the summer of 1988.

The HOD and LT claims are underlain by the Tally-Ho Shear Zone which separates granitic rocks of the Triassic to Tertiary Coast Plutonic Complex from folded Mesozoic volcanic and sedimentary rocks of the Whitehorse trough.

Two mineralized showings exist on the property. The Lucky Boy showing was discovered in 1909 and consists of a 2 meter wide vein with chalcopyrite, chalcocite and malachite. Assays were reportedly low. The TK zone was discovered in this years prospecting and consists of a major shear zone up to 25 meters wide and traceable for a minimum of 600 meters. The zone consists of sheared metavolcanics with quartz-carbonate veining and alteration throughout. Mineralization includes sphalerite, chalcopyrite, galena, pyrite, wad and possibly native silver or silver telluride. Assays of up to 7.20% zinc, 1.12% lead, 1.89% copper and 10.98 ounces per ton (376.6 grams/tonne) silver have been returned from the zone.

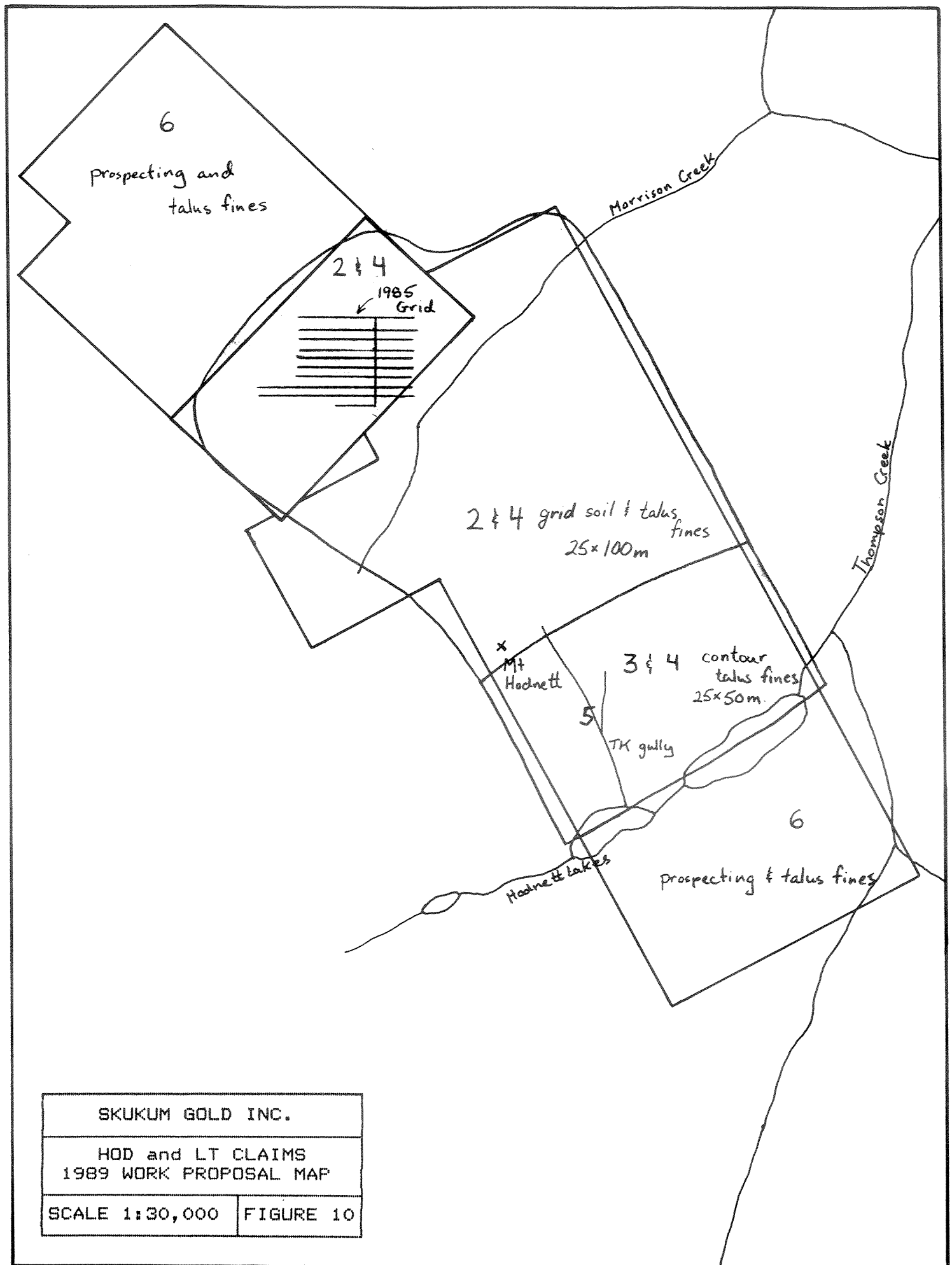
The Lucky Boy showing and the TK zone as well as the Gold Reef vein to the southeast of the HOD claims are all on strike with each other and all lie within the Tally-Ho Shear Zone. If they are all related, the mineralized system is traceable for 6100 meters.

Recommendations are as follows.

- 1) Reproduction of a 1:5,000 scale orthophoto and contour map of the claims.
- 2) Grid soil sampling of the plateau region of the property (25 x 100 meter sample spacing). This should be tied into the 1985 grid.

- 3) Contour talus fines sampling of the southeast facing slopes above the Hodnett Lakes. The TK gully could be used as a base line. Contour sampling lines should be 50 meters apart and at 25 meter intervals.
- 4) Geological mapping and prospecting of all outcropping portions of the above two areas at a 1:5,000 scale.
- 5) Diamond drilling of the strongest anomalous regions of the TK zone.
- 6) Talus fines sampling and prospecting along the slopes south of the Hodnett Lakes and above the Watson River.

These recommendations are summarized in Figure 10.



SKUKUM GOLD INC.	
HOD and LT CLAIMS 1989 WORK PROPOSAL MAP	
SCALE 1:30,000	FIGURE 10

6. REFERENCES

Cairnes, D.D., 1912. Wheaton district, Yukon Territory: Geological Survey of Canada, Memoir 31.

Doherty, R.A. & Hart, C.J.R., 1988. Preliminary Geology of Fenwick Creek (105D/3) and Alligator Lake (105D/6) Map Areas; Department of Indian and Northern Affairs Canada; Open File 1988-2 & 1:50,000 scale maps.

Davidson, G.S., 1986. Assessment Report on Geochemical Sampling of the LT 1-8 Claims, Whitehorse Mining District.

G.S.C., 1985. Stream Sediment and Water Geochemical Survey Southern Yukon Territory; Geological Survey of Canada; Open File 1218 (105/D).

Pride, M.J., 1985a. Interlayered sedimentary-volcanic sequence Mount Skukum Volcanic Complex; Department of Indian and Northern Affairs Canada; Yukon Exploration and Geology, 1985, p. 94-104.

Pride, M.J., 1985b. Preliminary Geological Map of the Mount Skukum Volcanic Complex, 105 D/2,3,4,5; Department of Indian and Northern Affairs Canada; Open File, 1:25,000 scale map.

Pride, M.J., 1986. Description of the Mount Skukum Volcanic Complex, Southern Yukon; Department of Indian and Northern Affairs Canada; Yukon Geology, Volume 1, p. 148-160

Wheeler, J.O., 1961. Whitehorse Map Area, Yukon Territory, 105D; Geological Survey of Canada; Memoir 312.

7. STATEMENT OF EXPENDITURES

Salaries and Camp Costs:		
Project Geologist:	4 days @ 265. per day.	\$1060.00
Geologist:	2 days @ 220. per day.	\$ 440.00
Field Assistants:	4 days @ 110. per day.	\$ 440.00
Room and Board:	8 days @ 50. per day.	\$ 400.00
Truck Rental:		
2 days @ \$60. per day.		\$ 120.00
Analytical Costs:		
Talus Fines:	108 @ \$ 9.85 per sample.	\$1063.80
Rock Samples:	8 @ \$12.00 per sample.	\$ 96.00
Rock Samples:	23 @ \$13.75 per sample.	\$ 316.25
Rock Samples (Assays):		\$ 386.00
Shipping Costs:		\$ 175.00
Helicopter Costs:		
Hughes 500D:		\$1135.40
Drafting Costs:		\$ 200.00
Miscellaneous Costs:		\$ 200.00

<u>TOTAL EXPLORATION COSTS:</u>		<u>\$6,032.45</u>

8. STATEMENT OF QUALIFICATIONS

I, Andrew L. Wilkins, of #314 - 1860 West 2nd. Avenue,
Vancouver, B.C., certify that:

- 1) I am a graduate of the University of British Columbia with a B.Sc. degree in the geological sciences (1981).
- 2) I have been engaged in the mining exploration industry in British Columbia and the Yukon since 1978.
- 3) I was the project geologist for Skukum Gold Inc.'s HOD and LT claims program.
- 4) I was involved with the work performed on the HOD and LT Claims in the summer of 1988 and am co-author of this report.

Dated this ninth day of March, 1989.



Andrew L. Wilkins B.Sc.

I, Hugh Francis MacKinnon of P.O. Box 1785, Rossland, B.C., hereby certify that:

- 1) I obtained a Bachelor of Science Degree with Honours in Geology from Carleton University, Ottawa, Ontario, in 1986;
- 2) I have been engaged in mineral exploration since 1980 in Ontario, Saskatchewan, The Northwest Territories, British Columbia and The Yukon Territory.
- 3) I was involved in the work performed on the HOD and LT Claims in 1988, and am co-author of this report.

Dated this ninth day of March, 1989.



Hugh F. MacKinnon, B.Sc.

APPENDIX 1: - SAMPLE DESCRIPTIONS

SKUKUM GOLD INC. -
 PROPERTY : HOD - 7

SAMPLE #	DATE	LOCATION	DESCRIPTIONS
7-5R1	Aug. 6, 1988	SW end of claims T.K. Zone el. 6030'	Reddish brown to green weathered strongly alt'd, carbonate veined and brecciated augite andesite. Chlorite, carbonate, epidote, strong alt'n weak hematization. Veins up to 4m wide zoned calcite ^{calcite} Fe carb - barite(?) calcite.
7-5F1	"	T.K. " " el. 6010'	Orange-limonite weathered & fractured buff white massive qtz vein float (20cm boulder) Limonitic boxwork - minor @ S & limonite along fractures. T specular hematite, 1% chlorite, minor wad.
7-5F2	"	T.K. " " el. 6050'	Similar to above vein float to cm pebble.
7-5F3	"	T.K. " " el. 6000'	Pyritic-qtz veinlets (up to 5" wide) in hornblende diorite float.
7-5R2	"	T.K. " " el. 5970'	Strongly silicified, chloritized carbonate (calcite & Fe carb) alt' and sheared volcanic w 5% v fine grained disseminated sulphides - stibnite (?)(4%) galena (tr-1%)(?), py (tr), malachite (tr) in thin & D.S. 2mm bands. Possible barite 7.5cm band - grab sample.
7-5F4	"	T.K. " " el. 5890'	Dark green v. fn. grained massive andesite w v. fn. gr. diss (tr-1%) py, chalcopyrite. Hematite calcite veinlets w & chalcopyrite (tr-1%) malachite stained. Epidotized.
7-5R3	"	T.K. " " el. 5790'	V. strongly alt'd & sheared volcanic w 3% v. fn. gr. diss. stibnite (?) Leached dark brown wad weathered

SKUKUM GOLD INC. -
 PROPERTY : HOD-7

SAMPLE #	DATE	LOCATION	DESCRIPTIONS
7-5R3 cont'd	Aug. 6, 1988	T.K. SW end of claims.	surface; white to light brown fresh surface. V. strong carb alt'n, mod. hematization. Sulphides diss'd in bands. tr py, cpy & malachite.
7-5R4	"	T.K. " " el. 5740'	Malachite & azurite stained chalcopryrite & py layers in v. strongly carb, hematite & epidote alt'd & sheared andesite(?). 25' cm channel
7-5R5	"	T.K. " " el. 5580'	Strongly silicified & epidote alt'd light green volcanic?, tr. v. fr. gr. sulphides. Strongly stained but only partially leached surface.
7-5R6	"	T.K. " " el. 5520'	Strongly sheared & carb. alt'd andesite(?) w tr-10% chalcopryrite, pyrite and malachite and azurite.
7-5R7	Sept. 20 1988	T.K. " " el. 5450'	Strongly carb alt'd, silicified & chloritized andesitic volcanic w tr-10% galena & sphalerite tr py (sulphides v. fr. gr.). Siderite & wand coated weathered face. Numerous small drusy calcite veinlets in area of sample
7-5R8	"	T.K. " " el. 5245'	Massive brittle white bull gtz vein w tr-10% cpy & malachite; mainly along fract. Carb alt'n along fractures. Vein @ 1.5 m wide

SKUKUM GOLD INC. - SAMPLE DESCRIPTIONS

PROJECT: ~~MOD~~ MOD # 7
 SAMPLER: Hugh Mackinnon

SAMPLE NUMBER	DATE	LOCATION	SAMPLE DESCRIPTIONS
7-SR9	Sept. 20	T.K. zone gully above Hoodnet Lakes el. 5230'	White bull qtz vein w cpy & malachite, limonite & was stained. Possible tr. sphalerite
7-SR10	"	" el. 5210'	As above, very strong malachite staining
7-SR11	"	"	Strong carb alt'd & sulphidized mafic volcanics. 3% v. fr. gr. diss black sulphides (sphalerite?) Buff brownish white weathered surface.
7-SR12	"	el. 5160' "	Qtz vein on footwall of main shear, white to grey white w strong malachite staining adjacent to volcanics tr - 3% chalcoprite.
7-SR13	"	" el. 5055'	Very large bull qtz vein, tr py, tr cpx, tr malachite. Vein up to 4m wide, has several plays. Selected grabs
7-SS15 to 5520	"	"	Selected soils in T.K. zone

SKUKUM GOLD INC. -ALW
 PROPERTY : HOD CLAIMS - #7

SAMPLE #	DATE	LOCATION	DESCRIPTIONS
7-4R1	06-AUG-88	HOD CLAIMS - SOUTH GULLY - MAJOR STRUCTURE TK zone	QZ-CB veining and alt'n in shear zone.
7-4R2	"	"	Chalcedonic QZ vein within shear zone - 5cm wide. 050/40NW.
7-4R3	"	"	QZ-CB-SD breccia - buff brown colour - sheared and fractured - Some HM-MN staining.
7-4R4	"	"	Chalcedonic QZ vein with minor siderite and 5% sulphide (GL-SL-PY). Vein is white with speckled fine grained grey sulphides - slight gossanous.
7-4R5	"	"	Subcrop - Mottled greenish-purple CB altered sample with chalced 5% dis sulphides (SL-PY-m GL. Pervasive CL-EP-CB alt minor MA
7-4R6	"	"	Pervasive CL-EP alt'n of Lewis volcanics with blotch of fine grained sulphides. (CP-BP-GL-SL).
7-4R7	"	"	CA veining in CB-CL-EP altered Lewis Group.
7-4R8	"	"	Pervasive CB-CL-EP alt'n in gully with fine grained sulphides (SL)
7-4R9	"	"	"

SKUKUM GOLD INC. ALW
 PROPERTY : HOD-7

SAMPLE #	DATE	LOCATION	DESCRIPTIONS
7-4R10	06-AUG-88	HOD CLAIMS - South Gully T.K. Zone.	QZ-CB - minor MS-CC alt'n in fault gully - lots of shearing and slickensides. Minor dis dk grey sulphides (GL-SL) - also some chrom Cr-mica.
7-4R11	"	"	QZ-CB sheeted stringer veins to shearing in CC-EP altered volcanics - 2% dis grey sulphides (PY-CP-GL-SL)
7-4R12	"	"	Silicified fault zone with HM ± CC-CB alt'n as well.

T.K. Zone is a gully averaging 18m wide that is sheared
 with pervasive CB-EP-CC alt'n, QZ-CB veining, MN and
 LM staining and dis sulphides (PY-SL-GL-CP).

APPENDIX 2: - ANALYTICAL RESULTS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: NOV 8 1988

DATE REPORT MAILED: *Nov. 15/88*

ASSAY CERTIFICATE

AG** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Pulp

SIGNED BY *C. Long* D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

SKUKUM GOLD INC. PROJECT-7 FILE # 88-4801R

SAMPLE#	Cu %	Ag** OZ/T
88-7-5R-8	-	3.15
88-7-5R-9	-	7.72
88-7-5R-10	1.69	10.98
88-7-5R-12	-	2.15
88-7-5R-13	-	8.22

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE (604) 253-3158 FAX (604) 253-1716

DATE RECEIVED: NOV 8 1988

DATE REPORT MAILED: *Nov. 15/88.*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp

SIGNED BY *C. Leung* D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

SKUKUM GOLD INC. PROJECT-7 FILE # 88-3550R *A*

SAMPLE#	Cu %	Pb %	Zn %
88-7-4R-4	-	1.12	1.27
88-7-4R-5	-	-	2.20
88-7-4R-6	-	-	1.29
88-7-4R-8	-	-	1.71
88-7-4R-9	-	-	7.20
88-7-5R-2	-	-	2.31
88-7-5R-4	1.89	-	6.13

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 26 1988

DATE REPORT MAILED: *Sept. 29/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

ASSAYER: *C. Long* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

SKUKUM GOLD INC. PROJECT 7 FILE # 88-4801 MH, H₀₀, LT.

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-7-5R-7	221	2046	4124	26.7	10	10
88-7-5R-8	5491	711	47	94.1	2	8
88-7-5R-9	6656	339	99	227.6	2	29
88-7-5R-10	15495	1814	65	314.2	2	89
88-7-5R-11	126	2042	1727	32.5	11	11
88-7-5R-12	5626	435	95	56.9	2	78
88-7-5R-13	818	713	12	239.5	2	48
88-7-10F-1	6	2	10	.1	2	1
STD C/AU-R	64	40	133	7.0	43	-

- ASSAY REQUIRED FOR CORRECT RESULT *for Cu > 1%*
Ag > 35 ppm

GEOCHEMICAL/ASSAY CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR HG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AG** + AU** BY FIRE ASSAY FROM 1/2 A.T.

DATE RECEIVED: AUG 11 1988

DATE REPORT MAILED: Aug 23/88

ASSAYER: C. Leong, D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

SKUKUM GOLD INC. PROJECT 7 File # 88-3550A

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Ag**	Au**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	OZ/T	OZ/T
88-4-5F-5	94	5	29	6	2.2	2	2	66	1.90	2	5	ND	4	5	1	2	5	5	.02	.003	8	6	.01	147	.01	5	.17	.01	.12	5	.08	.001
88-7-4R-1	5	5	15	13	.3	2	2	415	.73	2	5	ND	5	84	3	2	2	7	2.90	.022	19	3	.04	371	.01	13	.26	.01	.12	1	.01	.001
88-7-4R-2	2	4	17	61	.3	7	4	824	1.23	2	5	ND	1	222	1	2	2	20	6.76	.006	3	10	2.75	53	.01	12	.12	.01	.05	2	.02	.001
88-7-4R-3	4	10	206	1271	10.1	24	12	2791	3.29	2	5	ND	2	334	24	2	27	60	12.47	.040	11	24	4.46	422	.01	17	.31	.01	.07	2	.28	.001
88-7-4R-4	30	51	17149	12588	96.2	17	15	4592	2.84	9	5	ND	1	493	330	5	217	43	14.90	.007	4	20	5.36	162	.01	6	.17	.01	.05	1	2.05	.001
88-7-4R-5	11	54	1536	13846	175.5	18	19	3556	3.21	4	5	ND	2	339	429	3	874	52	12.88	.017	3	24	4.43	83	.01	9	.19	.01	.06	2	5.44	.001
88-7-4R-6	19	743	886	11640	93.4	20	14	3950	3.49	2	5	ND	1	336	191	2	215	47	14.75	.028	3	53	3.37	163	.08	6	1.38	.01	.09	1	2.83	.001
88-7-4R-7	4	3	37	573	2.3	17	9	3692	2.38	2	5	ND	1	594	8	2	2	45	15.76	.009	7	19	5.19	107	.01	6	.30	.01	.09	1	.11	.001
88-7-4R-8	5	51	77	15435	7.2	19	16	6075	3.08	2	5	ND	1	337	270	2	12	44	12.55	.022	2	44	4.16	158	.04	3	.89	.01	.06	1	.19	.001
88-7-4R-9	1	186	576	47539	132.8	6	44	6265	1.96	9	5	ND	1	310	1179	2	322	21	15.99	.004	2	21	1.69	44	.01	7	.66	.01	.04	3	3.93	.001
88-7-4R-10	7	36	1286	2229	17.7	28	8	4573	2.16	4	5	ND	1	666	36	2	37	35	17.19	.011	5	57	2.81	164	.01	11	.31	.01	.10	1	.50	.001
88-7-4R-11	3	140	2724	3197	11.1	11	5	4081	1.13	7	5	ND	1	240	51	3	18	25	15.36	.018	4	38	2.90	80	.02	9	1.12	.01	.01	3	.36	.001
88-7-4R-12	4	8	49	275	1.8	19	9	2970	1.72	2	5	ND	2	181	2	2	5	28	13.52	.025	6	52	2.71	43	.07	9	1.16	.01	.04	1	.05	.001
88-7-5F-1	3	43	58	140	2.0	4	2	118	1.71	21	5	ND	2	11	4	2	3	11	.23	.001	3	3	.11	4	.01	10	.09	.01	.02	4	.05	.001
88-7-5F-2	5	39	24	57	.9	6	3	129	1.77	10	6	ND	3	9	4	2	2	12	.28	.002	2	7	.20	5	.01	12	.18	.01	.04	4	.04	.001
88-7-5F-3	3	134	7	68	2.0	33	17	437	5.82	49	5	ND	6	37	2	2	3	64	.82	.143	6	31	1.51	40	.19	7	1.72	.03	.09	1	.04	.001
88-7-5F-4	1	3527	18	254	7.4	4	17	1643	3.70	2	5	ND	2	173	2	2	21	82	3.97	.088	14	15	1.95	146	.04	5	1.75	.02	.11	1	.23	.001
88-7-5R-1	1	22	32	271	.2	6	17	2909	4.46	4	5	ND	3	435	2	2	2	80	13.58	.058	15	7	4.14	1748	.01	7	.49	.01	.11	2	.02	.001
88-7-5R-2	3	560	331	18928	7.9	15	16	5847	3.22	2	5	ND	1	515	354	2	148	31	14.50	.021	6	31	3.74	50	.01	8	.53	.01	.10	3	.22	.001
88-7-5R-3	18	156	944	5172	24.1	15	8	9730	2.58	3	5	ND	1	365	86	2	58	29	16.34	.009	4	30	4.78	532	.01	8	.18	.01	.10	8	.71	.001
88-7-5R-4	1	19238	989	43493	83.6	21	52	4681	5.55	8	5	ND	1	177	885	2	408	41	11.06	.026	4	63	2.48	12	.07	7	1.06	.01	.02	4	2.47	.001
88-7-5R-5	218	218	44	562	1.8	13	8	1786	1.77	2	5	ND	1	369	7	2	4	31	7.43	.037	4	30	3.63	206	.08	2	.90	.01	.05	16	.05	.001
88-7-5R-6	7	4275	327	7854	10.9	8	9	2341	1.57	2	5	ND	1	56	124	2	101	13	3.62	.020	2	33	1.75	120	.05	13	.65	.01	.01	8	.33	.001
STD C	19	63	38	133	6.8	73	31	1049	3.94	39	20	8	39	51	18	16	19	61	.52	.088	40	61	.91	181	.08	31	1.90	.06	.15	12	-	-

- ASSAY REQUIRED FOR CORRECT RESULT

for Cu, Zn > 10,000 PPM

ACME ANALYTICAL LABORATORIES LTD.
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 11 1988

DATE REPORT MAILED: *Aug. 23/88...*

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR NG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

ASSAYER: *C. Leong* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

SKUKUM GOLD INC. PROJECT 7 FILE # 88-3550

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
88-7-4S-1	53	41	178	.3	2	2	4
88-7-4S-2	40	53	158	.6	2	2	1
88-7-4S-3	60	1513	2995	8.8	2	2	3
88-7-4S-4	21	42	193	1.2	2	2	11
88-7-4S-5	18	14	111	.4	3	2	3
88-7-4S-6	21	23	107	.3	2	2	1
88-7-4S-7	20	38	103	.4	3	2	1
88-7-4S-8	24	120	477	1.6	3	2	1
88-7-4S-9	80	81	142	.5	5	2	39
88-7-4S-10	38	35	120	.4	3	2	1
88-7-4S-11	54	26	120	.6	4	2	1
88-7-4S-12	91	3147	10258	17.9	14	3	9
88-7-4S-13	22	301	800	1.9	2	2	5
88-7-4S-14	83	86	229	1.5	2	2	1
88-7-4S-15	32	49	129	.6	2	2	1
88-7-5S-1	63	80	288	1.3	3	2	1
88-7-5S-2	42	89	995	1.7	3	2	1
88-7-5S-3	32	26	106	.9	2	2	7
88-7-5S-4	75	38	161	.4	3	2	1
88-7-5S-5	76	30	156	.6	7	2	1
88-7-5S-6	61	21	131	.5	5	2	2
88-7-5S-7	72	30	163	.7	4	2	1
88-7-5S-8	52	42	210	1.0	4	2	1
88-7-5S-9	20	21	90	.9	4	3	1
88-7-5S-10	20	46	110	.7	4	2	1
88-7-5S-11	21	62	131	.4	3	2	2
88-7-5S-12	26	30	129	.4	2	2	1
88-7-5S-13	37	70	465	1.7	2	2	2
88-7-5S-14	190	481	2524	3.0	3	3	6
STD C/AU-S	58	38	129	6.5	42	17	53

ACME ANALYTICAL LABORATORIES LTD.
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 27 1988

DATE REPORT MAILED: *Sept 30/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

ASSAYER: *C. Leong* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

SKUKUM GOLD INC. PROJECT 7 FILE # 88-4834 ✓ Page 1 *MH, Hody, LT.*

SAMPLE#		Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88 BL 0+00 0+00S		39	83	502	1.0	8	4
88 BL 0+00 0+25S		27	111	192	1.5	6	2
88 BL 0+00 0+50S		36	102	580	1.6	6	7
88 BL 0+00 0+75S		76	39	191	.7	6	1
88 BL 0+00 1+00S		53	48	176	.4	5	5
88 BL 0+00 1+25S		52	44	184	.4	9	1
88 BL 0+00 1+50S		26	30	155	.4	8	9
88 BL 0+00 1+75S		29	39	193	.7	6	1
88 BL 0+00 2+00S		20	45	121	.1	3	13
88 BL 0+00 2+25S		25	41	122	.3	2	1
88 BL 0+00 2+50S		40	42	167	.3	2	3
88 BL 0+00 2+75S		54	41	198	.3	5	1
88 BL 0+00 3+00S		55	72	679	.9	5	2
88 BL 0+00 3+25S		79	228	641	1.4	5	1
88 BL 0+00 3+50S		78	183	629	1.1	4	1
88 BL 0+00 3+75S		56	78	301	.6	9	1
88 BL 0+00 4+00S		79	215	541	1.4	7	1
88 BL 0+00 4+25S		1018	347	287	32.7	4	2
88 BL 0+00 4+50S		114	115	341	12.6	5	9
88 BL 0+00 4+75S		1520	153	190	15.3	8	15
88 BL 0+00 5+00S		1080	340	321	38.4	7	8
88 BL 0+00 5+25S		131	104	282	2.5	5	7
88 BL 0+00 5+50S		128	119	286	2.0	4	3
88 BL 0+00 5+75S		92	95	261	1.2	6	1
88 BL 0+00 6+00S		112	149	361	1.7	11	4
88 BL 0+00 6+25S		84	40	109	.7	9	1
88 BL 0+00 6+50S		51	27	64	.2	9	1
88 BL 0+00 6+75S		93	28	109	.3	3	1
88 BL 0+00 7+00S		139	95	287	1.4	3	1
88 BL 0+00 7+25S		127	79	245	1.1	4	15
88 BL 0+00 7+50S		106	77	185	.8	4	1
88 BL 0+00 7+75S		102	65	190	1.1	5	2
88 BL 0+00 8+00S		98	82	239	1.3	3	1
88 BL 0+00 8+25S		72	38	145	.3	2	1
88 BL 0+00 8+50S		83	74	213	1.3	6	2
88 BL 0+00 8+75S		79	105	187	1.3	9	2
STD C/AU-S		62	43	132	6.9	42	53

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88 L5+25S 4+50W	63	17	92	.2	4	2
88 L5+25S 4+00W	31	19	74	.2	6	5
88 L5+25S 3+50W	116	16	101	.2	5	8
88 L5+25S 3+00W	48	29	92	.2	11	2
88 L5+25S 2+50W	24	15	75	.1	8	7
88 L5+25S 2+00W	21	20	81	.2	2	2
88 L5+25S 1+75W	52	16	87	.1	5	1
88 L5+25S 1+50W	25	14	108	.3	2	1
88 L5+25S 1+25W	42	18	80	.1	12	1
88 L5+25S 1+00W	47	24	96	.2	2	1
88 L5+25S 0+75W	83	28	100	.3	5	2
88 L5+25S 0+50W	86	31	104	.4	3	1
88 L5+25S 0+25W	134	56	193	1.4	4	3
88 L6+25S 4+50W	45	17	91	.1	7	8
88 L6+25S 4+00W	31	15	96	.2	5	6
88 L6+25S 3+50W	34	17	104	.2	6	1
88 L6+25S 3+00W	104	20	104	.5	9	1
88 L6+25S 2+50W	31	25	102	.1	8	1
88 L6+25S 2+00W	42	18	77	.1	2	4
88 L6+25S 1+75W	31	15	81	.1	9	4
88 L6+25S 1+50W	34	15	75	.1	3	1
88 L6+25S 1+25W	26	14	80	.2	10	1
88 L6+25S 1+00W	29	21	100	.1	8	1
88 L6+25S 0+75W	72	22	91	.2	2	1
88 L6+25S 0+50W	59	58	109	.8	12	2
88 L7+50S 1+50W	20	21	93	.1	2	2
88 L7+50S 1+25W	15	20	93	.1	7	1
88 L7+50S 1+00W	25	20	82	.1	5	1
88 L7+50S 0+75W	25	23	115	.1	2	2
88 L7+50S 0+50W	73	24	88	.1	8	3
88 L7+50S 0+25W	62	29	117	.3	4	1
88 L8+75S 1+50W	36	19	92	.1	10	3
88 L8+75S 1+25W	21	19	103	.1	2	2
88 L8+75S 1+00W	20	17	89	.1	2	4
88 L8+75S 0+75W	33	18	88	.1	3	1
88 L8+75S 0+50W	43	39	117	.1	2	3
STD C/AU-S	60	45	132	6.7	40	51

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88 L8+75S 0+25W	59	27	105	.2	3	3
88-7-5S-15	111	982	775	1.3	5	5
88-7-5S-16	89	140	1419	2.6	4	2
88-7-5S-17	46	636	2098	3.0	2	1
88-7-5S-18	149	319	696	3.0	4	1
88-7-5S-19	59	113	251	2.3	3	9
88-7-5S-20	357	522	680	19.8	2	5
STD C/AU-S	57	42	132	7.1	42	53

APPENDIX 3: - STATISTICAL SUMMARY

 SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = CU Unit = PPM N = 1046

Mean = 1.1638 Min = 0.6021 1st Quartile = 0.9542
 Std. Dev. = 0.2903 Max = 2.7160 Median = 1.1139
 CV % = 24.9408 Skewness = 1.3575 3rd Quartile = 1.2788

Anti-Log Mean = 14.583 Anti-Log Std. Dev. : (-) 7.474
 (+) 28.451

%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0705)	
0.00	0.05	3.688	0.5668		
0.38	0.43	4.338	0.6373	*	
1.63	2.05	5.102	0.7078	*****	
3.73	5.78	6.001	0.7782	*****	
5.16	10.94	7.058	0.8487	*****	
6.60	17.53	8.301	0.9192	*****	
7.55	25.07	9.764	0.9896	*****	
16.16	41.21	11.484	1.0601	*****	--> 51
12.81	54.01	13.507	1.1305	*****	--> 40
10.23	64.23	15.886	1.2010	*****	
10.23	74.45	18.684	1.2715	*****	
6.31	80.75	21.976	1.3419	*****	
3.92	84.67	25.847	1.4124	*****	
3.15	87.82	30.400	1.4829	*****	
2.29	90.11	35.755	1.5533	*****	
1.91	92.02	42.053	1.6238	*****	
1.15	93.17	49.461	1.6943	****	
1.24	94.41	58.174	1.7647	****	
1.05	95.46	68.422	1.8352	***	
1.34	96.80	80.475	1.9057	****	
1.05	97.85	94.651	1.9761	***	
0.57	98.42	111.324	2.0466	**	
0.57	99.00	130.934	2.1171	**	
0.57	99.57	153.999	2.1875	**	
0.10	99.67	181.127	2.2580		
0.10	99.76	213.033	2.3284		
0.00	99.76	250.560	2.3989		
0.00	99.76	294.698	2.4694		
0.00	99.76	346.610	2.5398		
0.10	99.86	407.668	2.6103		
0.00	99.86	479.481	2.6808		
0.10	99.95	563.944	2.7512		

Each "*" represents approximately 3.3 observations.

#####

 SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = PB Unit = PPM N = 1044
 Mean = 1.2460 Min = 0.3010 1st Quartile = 1.0792
 Std. Dev. = 0.3140 Max = 2.9921 Median = 1.2041
 CV % = 25.2011 Skewness = 1.3609 3rd Quartile = 1.3617
 Anti-Log Mean = 17.621 Anti-Log Std. Dev. : (-) 8.551
 (+) 36.312

%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0897)	
0.00	0.05	1.804	0.2562		
0.19	0.24	2.218	0.3459	*	
0.00	0.24	2.726	0.4356		
0.77	1.00	3.352	0.5253	**	
0.77	1.77	4.121	0.6150	**	
1.05	2.82	5.066	0.7047	***	
0.86	3.68	6.229	0.7944	***	
1.44	5.12	7.658	0.8841	*****	
7.66	12.78	9.415	0.9738	*****	
9.67	22.44	11.575	1.0635	*****	
21.36	43.78	14.230	1.1532	*****	--> 67
15.42	59.19	17.495	1.2429	*****	--> 49
13.79	72.97	21.509	1.3326	*****	--> 43
7.95	80.91	26.443	1.4223	*****	
4.98	85.89	32.510	1.5120	*****	
2.97	88.85	39.969	1.6017	*****	
3.26	92.11	49.139	1.6914	*****	
1.53	93.64	60.412	1.7811	*****	
1.25	94.88	74.272	1.8708	*****	
1.53	96.41	91.313	1.9605	*****	
1.25	97.66	112.262	2.0502	*****	
0.57	98.23	138.018	2.1399	**	
0.29	98.52	169.683	2.2296	*	
0.10	98.61	208.613	2.3193		
0.19	98.80	256.474	2.4090	*	
0.29	99.09	315.316	2.4987	*	
0.38	99.47	387.658	2.5884	*	
0.10	99.57	476.598	2.6782		
0.19	99.76	585.942	2.7679	*	
0.10	99.86	720.373	2.8576		
0.00	99.86	885.646	2.9473		
0.10	99.95	1088.837	3.0370		

0 1 2 3 4

Each "*" represents approximately 3.3 observations.

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 SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = ZN Unit = PPM N = 1043
 Mean = 1.8938 Min = 1.0792 1st Quartile = 1.7559
 Std. Dev. = 0.2223 Max = 3.3218 Median = 1.8633
 CV % = 11.7365 Skewness = 1.5059 3rd Quartile = 1.9912
 Anti-Log Mean = 78.305 Anti-Log Std. Dev. : (-) 46.938
 (+) 130.633

%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0748)	
0.00	0.05	11.010	1.0418		
0.10	0.14	13.079	1.1166		
0.10	0.24	15.535	1.1913		
0.00	0.24	18.453	1.2661		
0.10	0.34	21.919	1.3408		
0.48	0.81	26.036	1.4156	**	
0.48	1.29	30.926	1.4903	**	
1.25	2.54	36.735	1.5651	****	
4.03	6.56	43.635	1.6398	*****	
8.44	14.99	51.831	1.7146	*****	
17.07	32.04	61.567	1.7893	*****	--> 54
18.79	50.81	73.131	1.8641	*****	--> 59
14.57	65.37	86.867	1.9389	*****	--> 46
13.04	78.40	103.183	2.0136	*****	--> 41
8.44	86.83	122.564	2.0884	*****	
4.79	91.62	145.585	2.1631	*****	
2.30	93.92	172.930	2.2379	*****	
2.11	96.02	205.411	2.3126	*****	
0.77	96.79	243.994	2.3874	**	
1.05	97.84	289.823	2.4621	***	
0.38	98.23	344.260	2.5369	*	
0.10	98.32	408.923	2.6116		
0.29	98.61	485.730	2.6864	*	
0.29	98.90	576.965	2.7611	*	
0.48	99.38	685.336	2.8359	**	
0.29	99.66	814.062	2.9107	*	
0.00	99.66	966.967	2.9854		
0.10	99.76	1148.593	3.0602		
0.00	99.76	1364.332	3.1349		
0.10	99.86	1620.594	3.2097		
0.00	99.86	1924.990	3.2844		
0.10	99.95	2286.560	3.3592		

0 1 2 3 4

Each "*" represents approximately 3.3 observations.

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 SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = AS Unit = PPM N = 1046
 Mean = 0.4927 Min = 0.3010 1st Quartile = 0.3010
 Std. Dev. = 0.1946 Max = 1.1461 Median = 0.4771
 CV % = 39.4953 Skewness = 0.6847 3rd Quartile = 0.6021
 Anti-Log Mean = 3.110 Anti-Log Std. Dev. : (-) 1.987
 (+) 4.867

%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0282)
0.00	0.05	1.936	0.2869	
40.54	40.54	2.066	0.3151	***** --> 128
0.00	40.54	2.204	0.3433	
0.00	40.54	2.352	0.3715	
0.00	40.54	2.510	0.3996	
0.00	40.54	2.678	0.4278	
0.00	40.54	2.857	0.4560	
22.28	62.80	3.049	0.4841	***** --> 70
0.00	62.80	3.253	0.5123	
0.00	62.80	3.471	0.5405	
0.00	62.80	3.704	0.5686	
0.00	62.80	3.952	0.5968	
14.91	77.70	4.217	0.6250	***** --> 47
0.00	77.70	4.499	0.6532	
0.00	77.70	4.801	0.6813	
9.94	87.63	5.123	0.7095	*****
0.00	87.63	5.466	0.7377	
0.00	87.63	5.832	0.7658	
5.45	93.08	6.223	0.7940	*****
0.00	93.08	6.640	0.8222	
2.96	96.04	7.085	0.8503	*****
0.00	96.04	7.560	0.8785	
1.53	97.56	8.066	0.9067	*****
0.00	97.56	8.607	0.9349	
1.24	98.81	9.184	0.9630	****
0.00	98.81	9.799	0.9912	
0.57	99.38	10.456	1.0194	**
0.19	99.57	11.157	1.0475	*
0.00	99.57	11.904	1.0757	
0.19	99.76	12.702	1.1039	*
0.00	99.76	13.553	1.1320	
0.19	99.95	14.461	1.1602	*

0 1 2 3 4

Each "*" represents approximately 3.3 observations.

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 SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = SB Unit = PPM N = 358
 Mean = 0.3078 Min = 0.3010 1st Quartile = 0.3010
 Std. Dev. = 0.0354 Max = 0.6021 Median = 0.3010
 CV % = 11.4899 Skewness = 5.2993 3rd Quartile = 0.3010
 Anti-Log Mean = 2.031 Anti-Log Std. Dev. : (-) 1.872
 (+) 2.204

%	cum %	antilog	cls int	(# of bins = 26 - bin size = 0.0120)
0.00	0.14	1.972	0.2950	
96.37	96.24	2.028	0.3071	***** --> 173
0.00	96.24	2.085	0.3191	
0.00	96.24	2.144	0.3311	
0.00	96.24	2.204	0.3432	
0.00	96.24	2.266	0.3552	
0.00	96.24	2.329	0.3673	
0.00	96.24	2.395	0.3793	
0.00	96.24	2.462	0.3913	
0.00	96.24	2.532	0.4034	
0.00	96.24	2.603	0.4154	
0.00	96.24	2.676	0.4275	
0.00	96.24	2.751	0.4395	
0.00	96.24	2.828	0.4515	
0.00	96.24	2.908	0.4636	
0.00	96.24	2.990	0.4756	
3.35	99.58	3.074	0.4877	*****
0.00	99.58	3.160	0.4997	
0.00	99.58	3.249	0.5118	
0.00	99.58	3.340	0.5238	
0.00	99.58	3.434	0.5358	
0.00	99.58	3.531	0.5479	
0.00	99.58	3.630	0.5599	
0.00	99.58	3.732	0.5720	
0.00	99.58	3.837	0.5840	
0.00	99.58	3.945	0.5960	
0.28	99.86	4.056	0.6081	*

0 1 2 3 4

Each "*" represents approximately 2.0 observations.

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 SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = AG Unit = PPM N = 1041
 Mean = -0.6963 Min = -1.0000 1st Quartile = -1.0000
 Std. Dev. = 0.3640 Max = 1.1004 Median = -0.6990
 CV % = 52.2827 Skewness = 1.3242 3rd Quartile = -0.5229
 Anti-Log Mean = 0.201 Anti-Log Std. Dev. : (-) 0.087
 (+) 0.465

%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0700)
0.00	0.05	0.092	-1.0350	
46.49	46.50	0.108	-0.9650	***** --> 146
0.00	46.50	0.127	-0.8950	
0.00	46.50	0.150	-0.8250	
0.00	46.50	0.176	-0.7550	
19.88	66.36	0.207	-0.6849	***** --> 62
0.00	66.36	0.243	-0.6149	
0.00	66.36	0.285	-0.5449	
11.53	77.88	0.335	-0.4749	*****
0.00	77.88	0.394	-0.4049	
7.59	85.46	0.463	-0.3349	*****
3.07	88.53	0.543	-0.2649	*****
1.73	90.26	0.638	-0.1949	*****
1.83	92.08	0.750	-0.1248	*****
0.86	92.95	0.881	-0.0548	***
1.63	94.58	1.036	0.0152	*****
0.86	95.44	1.217	0.0852	***
1.34	96.79	1.430	0.1552	****
0.58	97.36	1.680	0.2252	**
0.67	98.03	1.973	0.2952	**
0.48	98.51	2.319	0.3652	**
0.48	98.99	2.724	0.4353	**
0.38	99.38	3.201	0.5053	*
0.00	99.38	3.761	0.5753	
0.10	99.47	4.419	0.6453	
0.19	99.66	5.192	0.7153	*
0.00	99.66	6.100	0.7853	
0.00	99.66	7.167	0.8553	
0.00	99.66	8.421	0.9253	
0.19	99.86	9.894	0.9954	*
0.00	99.86	11.624	1.0654	
0.10	99.95	13.658	1.1354	

Each "*" represents approximately 3.3 observations.

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 SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = AU Unit = PPB N = 1046
 Mean = 0.3397 Min = 0.0000 1st Quartile = 0.0000
 Std. Dev. = 0.4867 Max = 2.5502 Median = 0.0000
 CV % = 143.2890 Skewness = 1.7247 3rd Quartile = 0.4771
 Anti-Log Mean = 2.186 Anti-Log Std. Dev. : (-) 0.713
 (+) 6.706

%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0850)
0.00	0.05	0.907	-0.0425	
52.87	52.87	1.103	0.0425	***** --> 167
0.00	52.87	1.341	0.1275	
0.00	52.87	1.631	0.2125	
0.00	52.87	1.984	0.2975	
15.20	68.05	2.413	0.3825	***** --> 48
0.00	68.05	2.935	0.4675	
6.98	75.02	3.569	0.5525	*****
5.54	80.56	4.341	0.6376	*****
2.49	83.05	5.279	0.7226	*****
2.20	85.24	6.421	0.8076	*****
1.34	86.58	7.809	0.8926	****
2.49	89.06	9.497	0.9776	*****
1.24	90.31	11.550	1.0626	****
1.82	92.12	14.048	1.1476	*****
1.24	93.36	17.085	1.2326	****
0.57	93.94	20.779	1.3176	**
0.96	94.89	25.271	1.4026	***
0.29	95.18	30.735	1.4876	*
0.86	96.04	37.380	1.5726	***
0.86	96.90	45.462	1.6576	***
1.05	97.95	55.291	1.7427	***
0.38	98.33	67.246	1.8277	*
0.10	98.42	81.785	1.9127	
0.48	98.90	99.467	1.9977	**
0.38	99.28	120.972	2.0827	*
0.19	99.47	147.128	2.1677	*
0.00	99.47	178.938	2.2527	
0.00	99.47	217.625	2.3377	
0.10	99.57	264.677	2.4227	
0.19	99.76	321.903	2.5077	*
0.19	99.95	391.500	2.5927	*

0 1 2 3 4

Each "*" represents approximately 3.3 observations.

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