MAP NO.:	ASSESSMENT REPORT X	DOCUMENT NO:	092715
	PROSPECTUS	MINING DISTRICT:	Whitehorse
105 D 2	CONFIDENTIAL X	TYPE OF WORK:	Geological, Geochemical
	OPEN FILE		

REPORT FILED UNDER:	Skukum Gold Inc.		
DATE PERFORMED:	29-30 September, 1989	DATE FILED:	12 May, 1989
LOCATION: LAT.:	60°02'N	AREA:	Montana Mountain
LONG.:	134°47'W	VALUE $:	5400.00
CLAIM NAME & NO.:	NORM 1-16(YB08340-55); RR 1-16(YB08356-71)		

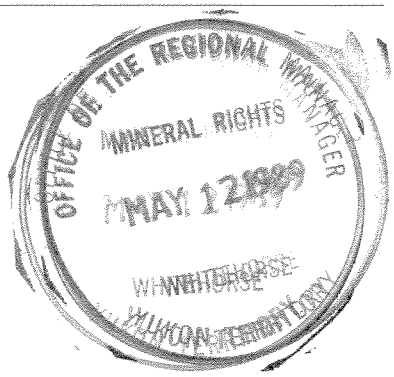
WORK DONE BY:	A.L. Wilkins, H.F. MacKinnon
WORK DONE FOR:	Skukum Gold Inc.

DATE TO GOOD STANDING:	

REMARKS: #66 RAILROAD

The RR claims include the RAILROAD silver vein Quartz chalcedony and carbonate veining occur throughout the claims. The NORM claims centre on an adit of unknown age with fine grained sulphides in a 1.5 - 2 m x 100 m shear zone in metavolcanic rocks. A showing near the adit returned assays up to 1368.6 g/t Ag, 14.7 g/t Au, 5.34% Pb and 1.34% Cu.

SKUKUM GOLD INC.



GEOLOGICAL AND GEOCHEMICAL
R E P O R T

ON THE

NORM 1-16 and RR 1-16 MINERAL CLAIMS
(YB08340-8355 & YB08356-371)

MONTANA MOUNTAIN AREA
WHITEHORSE MINING DISTRICT
YUKON TERRITORY

N.T.S.: 105D/2

LATITUDE: 60 DEGREES 02 MINUTES NORTH
LONGITUDE: 134 DEGREES 47 MINUTES WEST

SKUKUM GOLD INC.
#990-840 Howe Street,
Vancouver, B.C.
V6Z-2L2

BY

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

March 30, 1989

092715

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 .

J. J. Grenier

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

SUMMARY

This report describes exploration work performed on the NORM and RR Mineral Claims located southwest of Montana Mountain in the southern Yukon.

The claims lie on the western edge of the Montana Mountain Complex and are underlain by metavolcanics of the Upper Triassic Lewes River Group, and siltstones and argillites of the Lower Jurassic Laberge Group. These rocks are intruded by biotite granodiorite related to the Cretaceous Coast Plutonic Complex.

The RR claims are centered around the Railroad silver vein showing, however the showing was not located in the 1988 field season. Chalcedonic quartz veining and quartz-carbonate veining are found throughout the RR claims and are indicative of hydrothermal activity.

The NORM claims are centered around an adit known as the Mystery Adit because of the lack of literature available on the showing. The adit consists of fine grained disseminated sulphides in a 1.5 to 2 meter wide shear zone in metavolcanics. Assays of 1.29% copper and analysis of up to 1280 ppb gold have been returned from the zone. The zone is traceable for around 100 meters. The Mystery showing is located about 400 meters southwest of the adit in the same gully. It is a 20 centimeter wide zone of quartz, limonite, wad and malachite altered and sheared andesitic volcanics with boxwork weathered out sulphides. Assays of 39.90 ounces per ton (1368.6 grams/tonne) silver, 0.428 ounces per ton (14.68 grams/tonne) gold, 5.34% lead and 1.34% copper have been returned from the showing.

Soils on the east side of Dundalk Mountain are very anomalous in gold, silver, copper, lead and arsenic. The Mystery Adit and Showing is associated with this large soil anomaly.

Discoveries on Dundalk Mountain are very significant and warrant further work. The DALK claims have been staked as a result of these findings.

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1. INTRODUCTION

1.1 LOCATION & ACCESS

The NORM and RR Mineral Claims are located southwest of Montana Mountain, near Carcross in the southern Yukon at 60 degrees 02 minutes North latitude and 134 degrees 47 minutes West longitude (NTS:105D/2). The property is accessible by helicopter, with the nearest permanent base being Whitehorse, Yukon Territory. A 4x4 road comes to within 3 kilometers of the RR Claims and the White Pass and Yukon Railway Line comes to within 1.5 kilometers of the NORM Claims. The 1988 work program was conducted from a camp established in the Wheaton River Valley.

1.2 CLIMATE, TOPOGRAPHY & VEGETATION

The climate in this area of the Yukon is variable with pleasant summers, enhanced by 18 - 20 hours of daylight, and long cold winters. Precipitation is moderate (90 centimeters annually) with about half falling as rain. At the higher elevations, snow remains on the north exposures till the end of June.

The NORM and RR claims lie in undulating mountainous terrain. Maximum relief in the area is approximately 1550 meters (5080 feet) with Bennett Lake at 655 meters (2150 feet) and Montana Mountain at 2205 meters (7230 feet).

Twenty-five percent of the NORM claims and forty percent of the RR claims is above treeline, with talus and felsenmeer covering the higher elevations, stunted spruce, alpine fir, willows, alpine grasses, shrubs and wild flowers in the sub-alpine zone and forests of white spruce, lodgepole pine, aspen poplar and balsom poplar at lower elevations.

1.3 PROPERTY & CLAIM STATUS

The NORM and RR properties consist of 32 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
NORM 1-16	YB08340-355	07-OCT-87	07-OCT-90*	16
RR 1-16	YB08356-371	07-OCT-87	07-OCT-90*	16

* pending acceptance of this report.

The claims are shown on Claim Sheet 105D/2. All the claims are 100% owned by Skukum Gold Inc. of Vancouver, B.C..

135°30'

135°00'

134°30'

60°15'

To Whitehorse
15 Km

Fish Lake

Marsh Lake

McConnell Lake

Alligator Lake

River

Watson

MT. HODNETT

Annie Lake

Watson Lake Hwy

GOLD HILL

River

SKUKUM CREEK MINE

MT. SKUKUM

Wheaton

CARBON HILL

NORM — RR
DALK CLAIMS

Craig Lake

Carcross

Tagish Lake

MT. WARD

Primrose Lake

Lake

West Arm

Bennett

Partridge R.

MONTANA MTN.

Windy Arm

N

Alaska Hwy

YUKON

Whitehorse

Skagway

BRITISH COLUMBIA

ALASKA

Pacific Ocean

LOCATION MAP

SCALE : 1: 250,000

4 2 0 4 8 12 16

Km

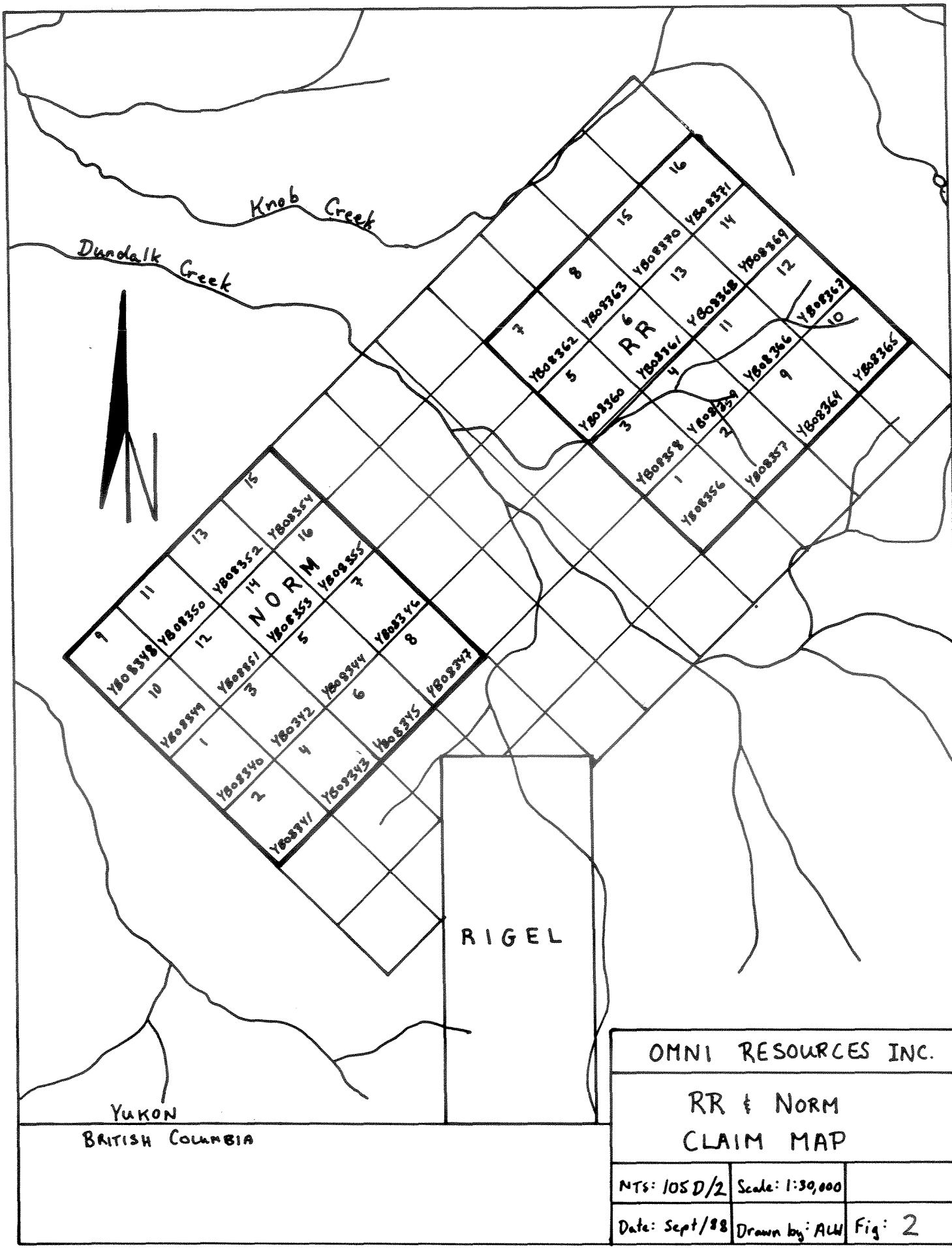
SKUKUM GOLD INC.

NORM — RR — DALK 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



OMNI RESOURCES INC.

RR & NORM
CLAIM MAP

NTS: 105 D/2	Scale: 1:30,000	
Date: Sept/88	Drawn by: ALW	Fig: 2

1.4 PREVIOUS WORK HISTORY

Montana Mountain has been the site of mineral exploration and mining activity since 1901 when arsenopyrite and galena bearing veins were discovered west of Windy Arm. Up until 1915, the Windy Arm mining camp flourished with extensive development at the Montana, Venus, Vault and Pride of Yukon mines. The Venus-Vault vein system was the largest and most productive and was worked intermittently in the 1920's, 1946 and the late 1960's. The Artic Caribou Mine was in production from 1966-1968. Table 2 summarizes all known production from the mines.

TABLE 2: - KNOWN PRODUCTION - MONTANA MOUNTAIN AREA

Deposit	Date	Production
Artic/Caribou	1968	14,300 oz Au, 425,963 oz Ag from 55,943 tons.
Pride of Yukon	1910-12	2,600 oz Au, 69,941 oz Ag from 2525 tons.
Venus #1 & #2	1905-16,20	1,725 oz Au, 184,410 oz Ag from 16,000 tons.
Venus Mine	1966	11,037 oz Au, 344,107 oz Ag from 64,926 tons.

United Keno Hill Mines Ltd. performed extensive underground and surface exploration on the Venus Mine in the early 1980's. Reserves as of 1984 are reported to be 70,460 tonnes (77,600 tons) of 9.3 grams/tonne (0.27 oz/ton) gold, 246.8 grams/tonne (7.20 oz/ton) silver, 2.11% lead, and 1.38% zinc.

On Mount Dundalk on the NORM claims, an old adit is located within a northwest facing gully at an elevation of 3500 feet. No reference has been found on this old showing.

The RR claims were centered around a silver vein showing called the Railroad showing. There are no references regarding this showing as well.

The Geological Survey of Canada conducted a regional geochemical stream sediment survey in the area in 1985 (G.S.C.,1985) and numerous creeks in the Montana Mountain area are anomalous in base metals, gold and silver.

1.5 1988 WORK PROGRAM

A preliminary exploration program was carried out by a four person crew on September 29 and 30, 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, soil sampling, rock sampling and minor geological mapping.

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 NORM and RR claims lie at the western edge of the Intermontane Belt where the Whitehorse Trough overlies the Atlin Terrane. The Coast Plutonic Complex is just west of the claims.

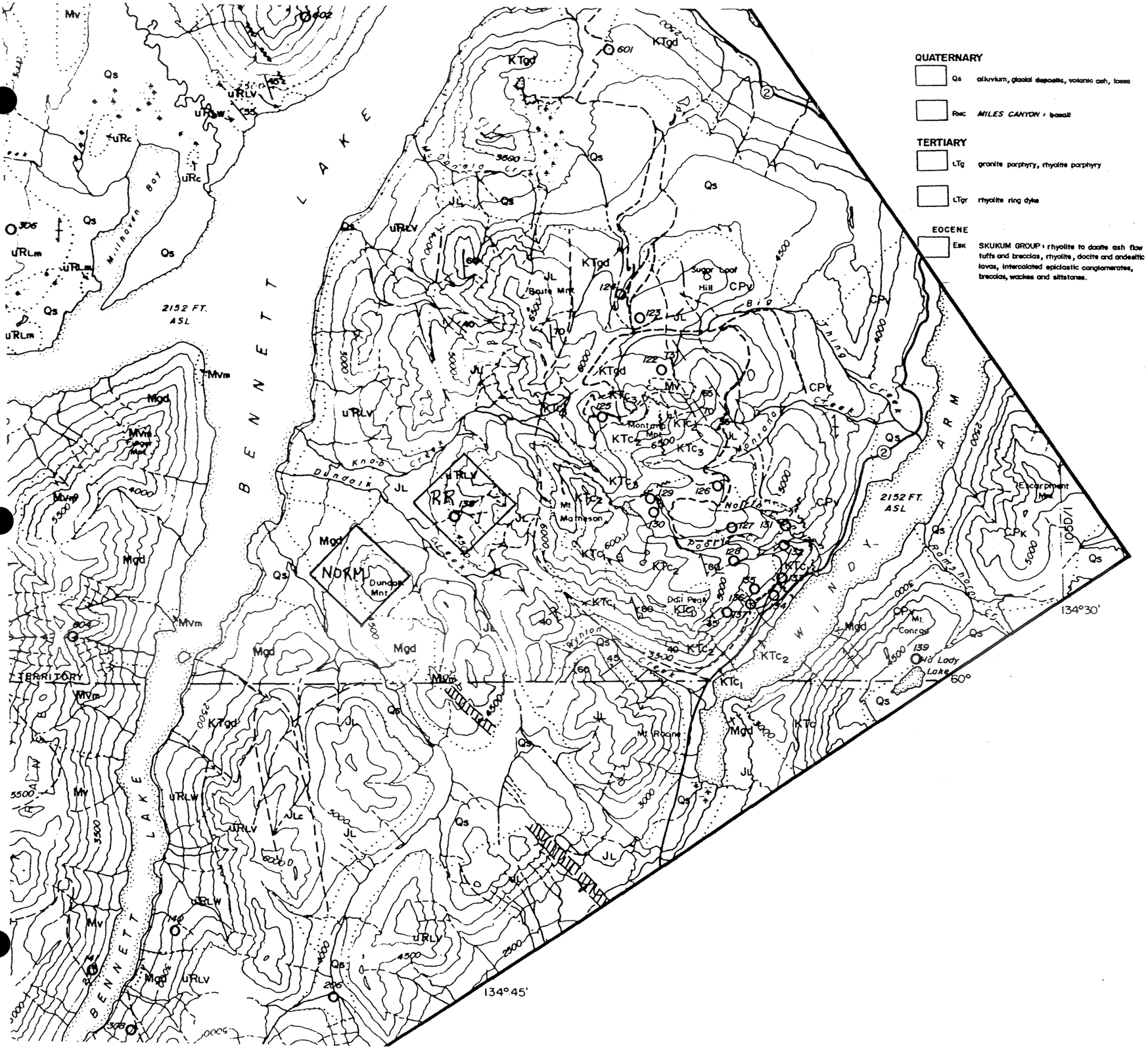
The basement rocks are Mississippian to Pennsylvanian mafic volcanic flows considered to be basal units of the Atlin Terrane (Monger, 1975). These flows are overlain by carbonates that form pale grey weathering mountains east of Windy Arm. This terrane is related to the Cache Creek Group and is believed to represent oceanic crust and reef complexes built west of the North American craton.

The Whitehorse Trough is an elongate Mesozoic basin containing volcanic and sedimentary rocks largely derived from the southwest. The Lewes River Group is made up of volcanic flows, pyroclastic deposits and limestone reef complexes, and is overlain by the Jurassic Laberge Group. The Whitehorse Trough is a believed to be a fore arc basin with the Coast Plutonic Belt as the reactivated root of the associated arc. The basin and arc collided with cratonic North America in late Jurassic and Cretaceous time (Tempelman-Kluit, 1979).

Felsic to intermediate volcanic rocks of the Late Cretaceous Mount Nansen Group unconformably intrude and overlie Cretaceous and older rocks along the western flank of the Whitehorse Trough.

Volcanic complexes of Early to Mid Tertiary age outcrop to the west and northwest of Montana Mountain at Mount Skukum and the West Arm of Bennett Lake.

Mineralized quartz veins are common along the eastern margin of the Coast Plutonic Belt. Economically significant veins related to volcanism have been found on Montana Mountain, on Freegold Mountain near Mount Nansen in the Dawson Range and on Mount Skukum to the northwest.



LEGEND

QUATERNARY

- Qs — alluvium, glacial deposits, volcanic ash, lavas
- Rwc — *MILES CANYON* : basalt

TERTIARY

- LTg — granite porphyry, rhyolite porphyry
- LTgr — rhyolite ring dyke

EOCENE

- Esk — SKUKUM GROUP : rhyolite to dacite ash flow tuffs and breccias, rhyolite, dacite and andesitic lavas, intercalated epiclastic conglomerates, breccias, wackes and siltstones.

MESOZOIC

LATE CRETACEOUS - TERTIARY

- KTe — LOWER CARMACKS GROUP (?70 m.a.) : andesite, rhyolite, trachyte, basalt, flows, breccias and tuffs
- KTe_1 — rhyolite and silicified volcanic rocks
- KTe_2 — intermediate volcanic flows and plugs including lasteroithic breccia
- KTe_3 — flow banded intrusion breccia
- KTqd — granodiorite, quartz diorite
- KTqd — quartz diorite

CRETACEOUS

- Kv — basalt, andesite, quartz latite and rhyolite flow breccias and tuffs; conglomerate, minor greywacke and argillite
- Mgd — granodiorite, granite, quartz monzonite, quartz diorite and allied rocks

JURASSIC (?) and CRETACEOUS

- JKT — *TANTALUS* : arkose, siltstone, conglomerate, argillite, coal

JURASSIC

- JL — LABERGE GROUP : greywacke, arkose, quartzite, conglomerate, argillite, hornfels
- JLc — mainly conglomerate

TRIASSIC

- uTRLw — LEWES RIVER GROUP : greywacke, siltstone, argillite, conglomerate, and tuffaceous equivalents
- uTRLv — andesite, basalt flows and associated pyroclastic rocks
- uTRc — limestone, limestone breccia
- uTRLm — LEWES RIVER GROUP : metamorphosed rocks belonging to this group

MESOZOIC (?)

- Mv — basalt flows, andesite breccia and tuffs
- Mvm — metamorphosed Mv

PERMIAN and TRIASSIC

- PTRub — peridotite, dunite, serpentinite, pyroxenite

—PROTEROZOIC — PALEOZOIC—

CARBONIFEROUS (?) and PERMIAN

- CPk — TAKU GROUP : mainly chert
- CPv — greenstone flows, pyroclastic rocks, and metamorphosed equivalents

HADRYNIAN and CAMBRIAN

- HCsk — YUKON GROUP : quartz mica, quartz chlorite and mica schist, quartzite, micaceous quartzite, gneiss and amphibolite
- HCs — feldspathic gneiss, gneissic granitic rocks, lit par lit gneiss
- Hc — crystalline limestone

GEOLOGICAL SYMBOLS

- Geological boundary (defined, assumed, approximate)
- Bedding, tops known (inclined, vertical, overturned)
- Bedding, tops unknown (inclined)
- Schistosity, gneissosity, cleavage foliation (inclined, vertical)
- Fault (approximate)
- Anticline (defined)
- Syncline (defined)
- Shattered granitoid rocks
- Brecciated granitoid rocks
- Beds of limestone of various ages, not necessarily to scale
- Mineralized veins
- 101 — Mineral occurrence and number

SYMBOLS

- creek, river
- pond, lake
- swamp
- icefield (approximate location)
- 3000 — elevation contour, interval 500 ft
- highway
- dirt road
- railway track
- NTS map boundary
- Provincial boundary
- airstrip

SKUKUM GOLD INC.	
REGIONAL GEOLOGY MAP NORM & RR CLAIMS	
SCALE: 1:100,000	FIGURE: 3

2.2 MONTANA MOUNTAIN AND PROPERTY GEOLOGY

A circular area approximately seven kilometers in diameter composed of Cretaceous intermediate volcanic rocks of the Mount Nansen Group (KTN), intrudes Paleozoic volcanic rocks of the Atlin Terrane, Mesozoic clastic rocks of the Laberge Group and Mesozoic volcanic rocks of the Lewes River Group. This area is referred to as the Montana Mountain Volcanic Complex. The northern margin of the complex has been metamorphosed by a granite pluton related to the Coast Plutonic Complex to the west. Porphyritic rhyolite dykes and quartz veins cut all the units.

TABLE 3: - TABLE OF FORMATIONS

QUATERNARY

PLEISTOCENE AND RECENT

Q.....Glacial drift and alluvium.

Unconformity

CRETACEOUS

MOUNT NANSEN GROUP

KTN.....Rhyolite to andesite flows, breccias and lithic tuffs.

Unconformity

UPPER JURASSIC AND CRETACEOUS

COAST PLUTONIC COMPLEX

Kgd.....Biotite granodiorite.

Intrusive or Fault Contact

JURASSIC

LABERGE GROUP

JL.....Siltstone and argillites.

Disconformity

UPPER TRIASSIC

LEWES RIVER GROUP

UTLV.....Andesite, basalt flows and related pyroclastics.

The NORM and RR Claims lie on the western edge of the Montana Mountain Complex and are underlain by maroon to green, felted, andesite, basalt flows and associated pyroclastics of the Upper Triassic Lewes River Group (UTLR), and medium grey, slightly felted, siltstones and argillites of the Lower Jurassic Laberge Group (JL). The NORM claims also are underlain by buff coloured, medium to coarse grained, equilgranular biotite granodiorite related to the Cretaceous Coast Plutonic Complex (Kgd). Property geology is presented in Map 1.

3. GEOCHEMISTRY

3.1 INTRODUCTION

Soil samples were collected around the base of Dundalk Mountain on the NORM Claims and on the 4000 and 4700 foot contour lines of the RR Claims. Rock samples were collected from interesting looking lithologies, alteration, and mineralization. A total of 198 soil samples, 2 silt samples and 18 rock samples were collected. Sample locations are presented in Map 2 and geochemical analysis and assay results are in Appendix 2.

3.2 SAMPLE PREPARATION AND ANALYTICAL PROCEDURE

Soil and silt samples were collected in KRAFT gussetted 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, soil and rock samples were analyzed for copper, lead, zinc, arsenic and silver using the Induced Coupled Plasma (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 copper and lead and fire assayed for silver and gold.

3.3 MINERALIZATION & ROCK GEOCHEMISTRY

Rock sample descriptions are presented in Appendix 1.

The RR claims were staked around the Railroad silver vein showing. No literature was found regarding the showing. The showing was not located when the claims were visited in the 1988 field season. Vuggy, gossanous and white, quartz veins, banded chalcedony veins, and quartz-carbonate veins were found on the property. One sample was anomalous in copper

(798 ppm) and silver (1.9 ppm).

The NORM claims were centered around an old adit in a prominent gully at around 3500 feet. The best mineralization was found above the old adit in the same gully at an elevation of 4225 feet. This showing is called the "Mystery Showing" as there is no reference to the old workings in the literature. The showing consists of 20 centimeter wide zone of quartz, limonite, wad and malachite alteration of felted and sheared andesitic volcanics belonging to the Lewes River Group. The zone was loaded with boxwork weathered out sulphides. Assays of 39.90 ounces per ton (1368.6 grams/tonne) silver, 0.428 ounces per ton (14.68 grams/tonne) gold, 5.34% lead and 1.34% copper have been returned from the zone. The attitude of the zone is 100/40°N. The Mystery Adit was caved in, however, it is located in a 1.6 to 2 meter wide, extremely gossanous, malachite, azurite and wad stained zone of sheared chloritic and carbonate altered andesitic volcanics of the Lewes River Group. The zone contains fine grained sulphides of chalcopyrite and pyrite. Assays of 1.29% copper and analysis of up to 1280 ppb gold have been returned from the zone. This shear zone is traceable for around 100 meters along strike. The attitude of the structure is around 135/77°NE.

TABLE 4: - ANOMALOUS ROCK SAMPLES

Sample #	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Au ppb
10A-10R1	798				1.9	
10B-4R1	1.34%	5.37%	1034	439	39.90 OPT	0.428 OPT
10B-4R2	3631	6800	410	180	11.04 OPT	0.114 OPT
10B-4R3	423	384			11.4	196
10B-4R4	7986				5.0	930
10B-4R6	1.29%		319		1.9	820
10B-4R7	4278				4.1	1280
10B-4R8	3140				2.4	760
10B-4R9	5919				3.3	440

3.4 SOIL GEOCHEMISTRY

3.4.1 TREATMENT AND PRESENTATION OF RESULTS

Graphical statistical methods were used to separate background from anomalous metal concentration. A lognormal distribution was found to best represent the copper, zinc, silver, arsenic and gold data, while an arithmetic distribution was found to best represent the lead data.

Background on the NORM claims was much higher than the RR claims. Threshold values and anomalous values were determined at the mean plus two standard deviations (x+2s) and the mean plus three standard deviations (x+3s) respectively. A possibly anomalous category was created as it is felt that the NORM claims is an anomaly in itself and not representative of the norm in the area. Anomalous sample divisions are presented in Table 4 below. Statistical summaries and histograms are presented in Appendix 3.

TABLE 5: - STATISTICAL SUMMARY OF ANOMALIES

Mean (x) soils	Possibly Anomalous	Threshold x+2s	Anomalous x+3s	Strongly Anomalous x+4s
Cu 68ppm	100-354ppm	355-497ppm	498-641ppm	+642ppm
Pb 32ppm		89-117ppm	118-145ppm	+146ppm
Zn 116ppm	350-452ppm	453-620ppm	621-789ppm	+790ppm
As 35ppm	100-202ppm	203-285ppm	286-369ppm	+370ppm
Ag 0.2ppm		1.2-1.6ppm	1.7-2.1ppm	+2.2ppm
Au 8ppb	50-116ppb	117-171ppb	172-226ppb	+227ppb

3.4.2 SOIL GEOCHEMISTRY RESULTS

Anomalous soil geochemistry is presented in Map 3.

On the RR claims, one sample is at the threshold for arsenic in the south corner of the claims. This sample is possibly anomalous in copper and gold as well. Three other samples in the area are possibly anomalous in copper or arsenic. There is also a string of five samples possibly anomalous in copper in the central part of the claims.

On the NORM claims there are 35 samples out of a possible 98 that are anomalous in at least one of copper, lead, arsenic, silver or gold. A further 29 samples are possibly anomalous in copper, arsenic or gold. Most of these samples are situated on the east side of the claims. Values of up to 3677 ppm copper, 197 ppm lead, 16.6 ppm silver, 931 ppm arsenic and 10070 ppb gold have been returned from this area.

4. CONCLUSIONS AND RECOMMENDATIONS

Prospecting, soil sampling, rock sampling and minor geological mapping was the focus of exploration activity on the NORM and RR mineral claims during the summer of 1988.

The claims lie on the western edge of the Montana Mountain Complex and are underlain by andesitic to basaltic metavolcanics of the Upper Triassic Lewes River Group, and siltstones and argillites of the Lower Jurassic Laberge

Group. These are intruded by biotite granodiorite related to the Cretaceous Coast Plutonic Complex.

The Railroad silver vein showing is located on the RR claims, however this showing was not located in the 1988 field season. Chalcedonic quartz veining and quartz-carbonate veining are found throughout the RR claims and are indicative of hydrothermal activity.

The Mystery Adit is located on the NORM claims and consists of fine grained disseminated sulphides in a 1.5 to 2 meter wide shear zone in metavolcanics. Assays of 1.29% copper and analysis of up to 1280 ppb gold have been returned from the zone. The zone is traceable for around 100 meters. The Mystery showing is located about 400 meters southwest of the adit in the same gully. It is a 20 centimeter wide zone of quartz, limonite, wad and malachite altered and sheared andesitic volcanics. The zone is loaded with boxwork weathered out sulphides. Assays of 39.90 ounces per ton (1368.6 grams/tonne) silver, 0.428 ounces per ton (14.68 grams/tonne) gold, 5.34% lead and 1.34% copper have been returned from the showing.

Soil samples on the east side of Dundalk Mountain are very anomalous in gold, silver, copper, lead and arsenic. The Mystery Adit and Showing is associated with this large soil anomaly.

Discoveries on Dundalk Mountain are very encouraging and warrant further work. The DALK claims have been staked as a result of these findings. Recommendations for the RR, NORM and DALK Claims are as follows.

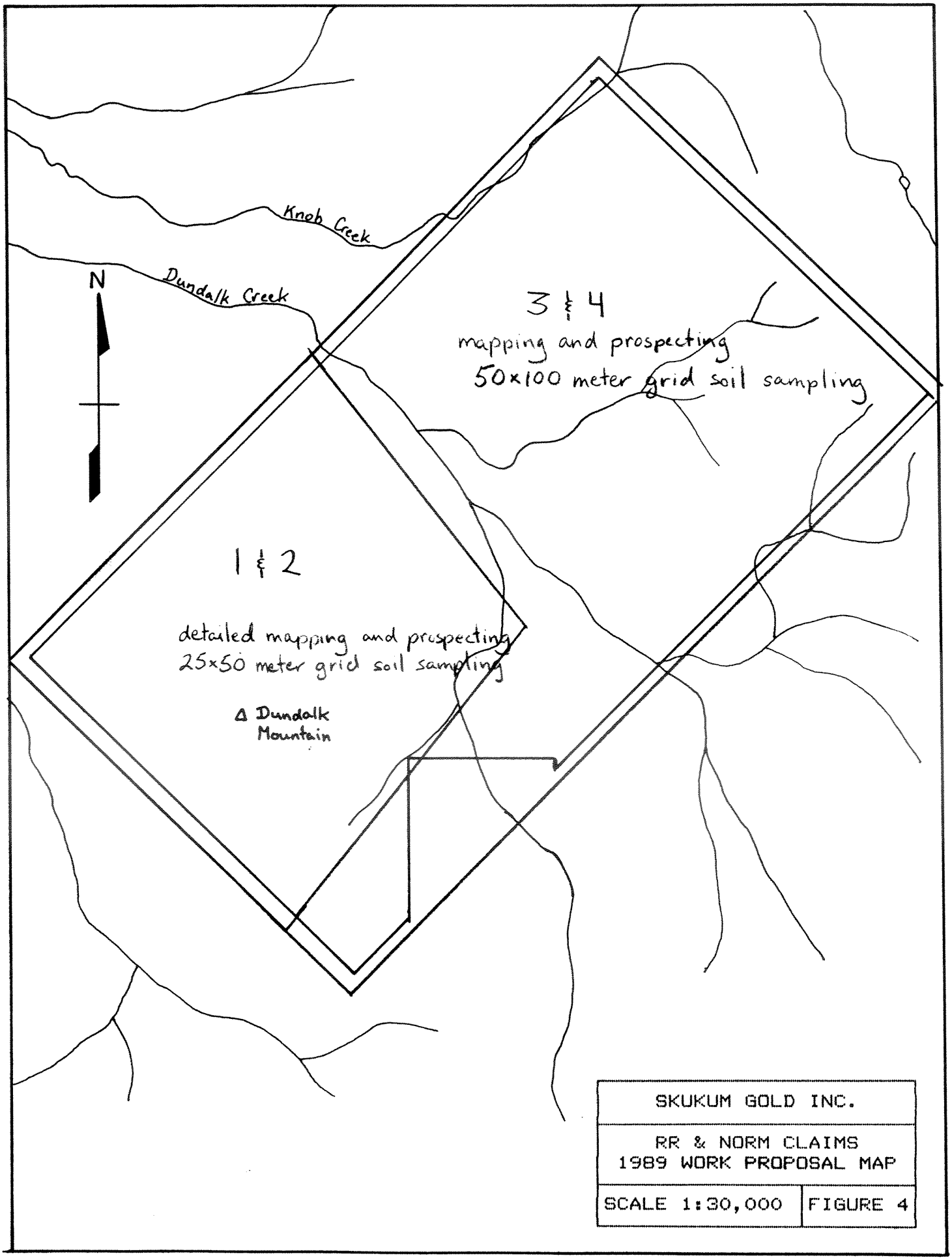
1) - detailed mapping and prospecting of Dundalk Mountain.

2) - grid soil sampling of Dundalk Mountain; 25 meter sample spacing on lines 50 meters apart.

3) - mapping and prospecting of all outcropping areas of the claims.

4) - grid soil sampling on the rest of the claims; 50 meter sample spacing on lines 100 meters apart.

These recommendations are summarized in Figure 4.



SKUKUM GOLD INC.	
RR & NORM CLAIMS 1989 WORK PROPOSAL MAP	
SCALE 1:30,000	FIGURE 4

5. REFERENCES

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6. 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:		
Soil Samples:	198 @ $ 9.85 per sample.	$1950.30
Silt Samples:	2 @ $ 9.85 per sample.	$ 19.70
Rock Samples:	18 @ $12.00 per sample.	$ 216.00
Rock Samples (Assays):		$ 45.00
Shipping Costs:		$ 175.00
Helicopter Costs:		
Hughes 500D:		$1290.30
Drafting Costs:		$ 200.00
Miscellaneous Costs:		$ 200.00
TOTAL EXPLORATION COSTS:		**$6,556.30**

7. 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 NORM and RR claims program.

4) I was involved with the work performed on the NORM and RR claims in the summer of 1988 and am co-author of this report.

Dated this first day of April, 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 NORM and RR claims in 1988, and am co-author of this report.

Dated this first day of April, 1989.

_____

Hugh F. MacKinnon, B.Sc.

LEGEND

CRETACEOUS
COAST PLUTONIC COMPLEX

Kgd — Buff colored, medium to coarse grained equilgranular biotite granodiorite.

JURASSIC
LABERGE GROUP

JL — Medium grey, felted, siltstones and argillites; conglomerate lenses (cg).

UPPER TRIASSIC
LEWES RIVER GROUP

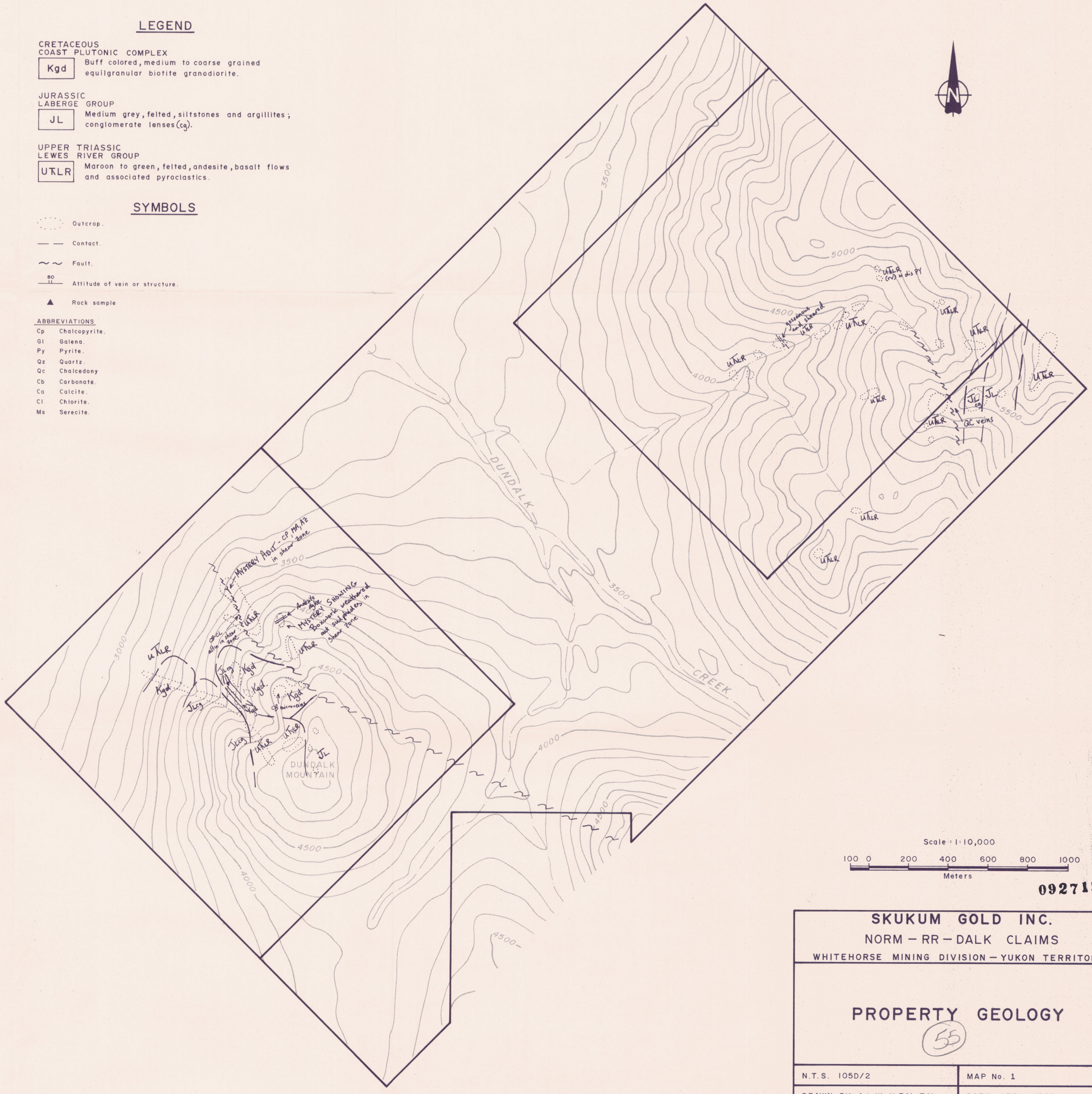
UTLR — Maroon to green, felted, andesite, basalt flows and associated pyroclastics.

SYMBOLS

- Outcrop.
- Contact.
- Fault.
- 80 — Attitude of vein or structure.
- ▲ Rock sample

ABBREVIATIONS

Cp	Chalcopyrite.
Gl	Galena.
Py	Pyrite.
Qz	Quartz.
Qc	Chalcedony
Cb	Carbonate.
Ca	Calcite.
Cl	Chlorite.
Ms	Serecite.



Scale : 1:10,000

100 0 200 400 600 800 1000

Meters

092715

SKUKUM GOLD INC.

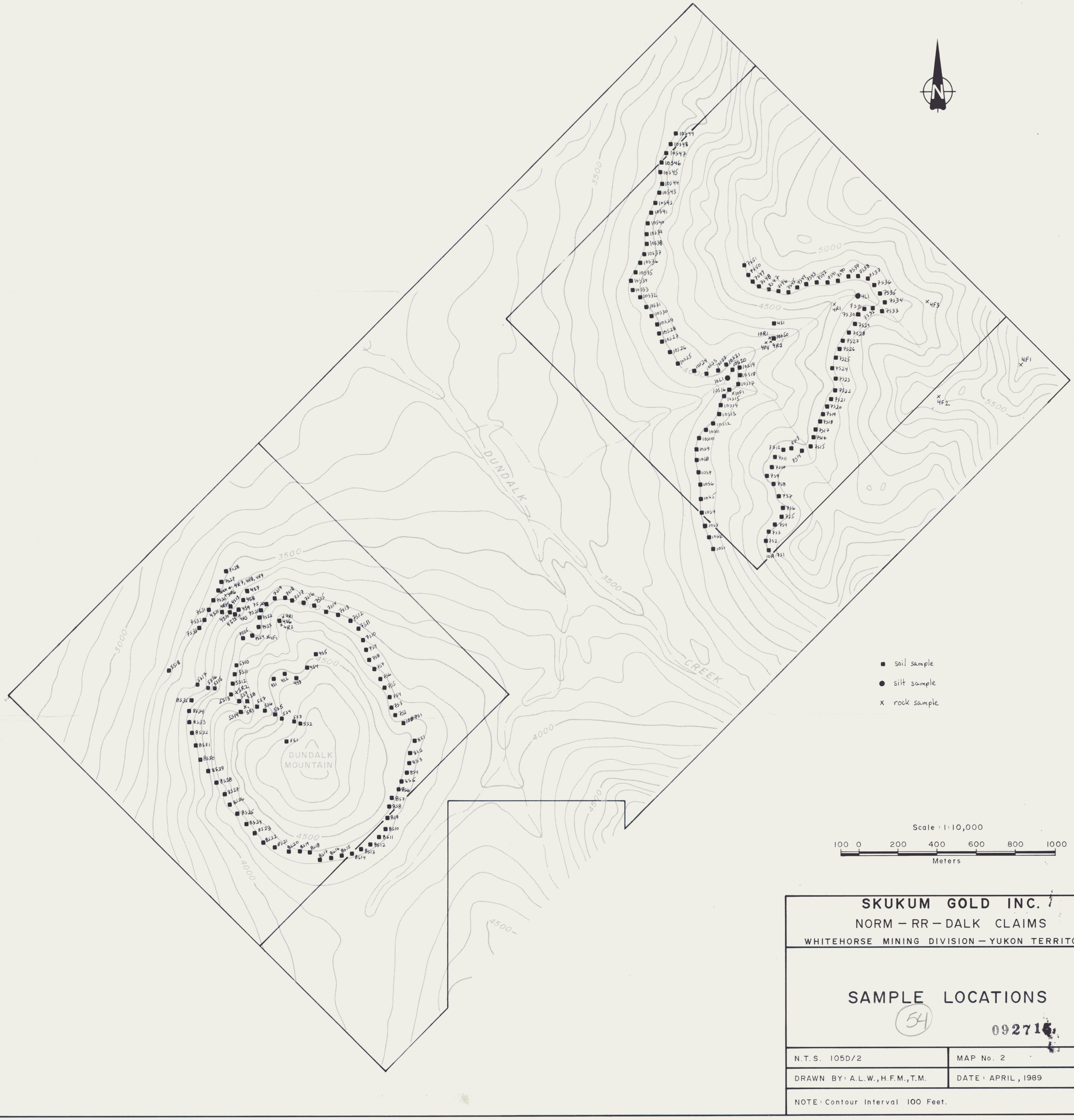
NORM – RR – DALK CLAIMS

WHITEHORSE MINING DIVISION – YUKON TERRITORY

PROPERTY GEOLOGY

55

N.T.S. 105D/2	MAP No. 1
DRAWN BY: A.L.W., H.F.M., T.M.	DATE: APRIL, 1989
NOTE: Contour Interval 100 Feet.	



Scale : 1:10,000

100 0 200 400 600 800 1000

Meters

SKUKUM GOLD INC.

NORM – RR – DALK CLAIMS

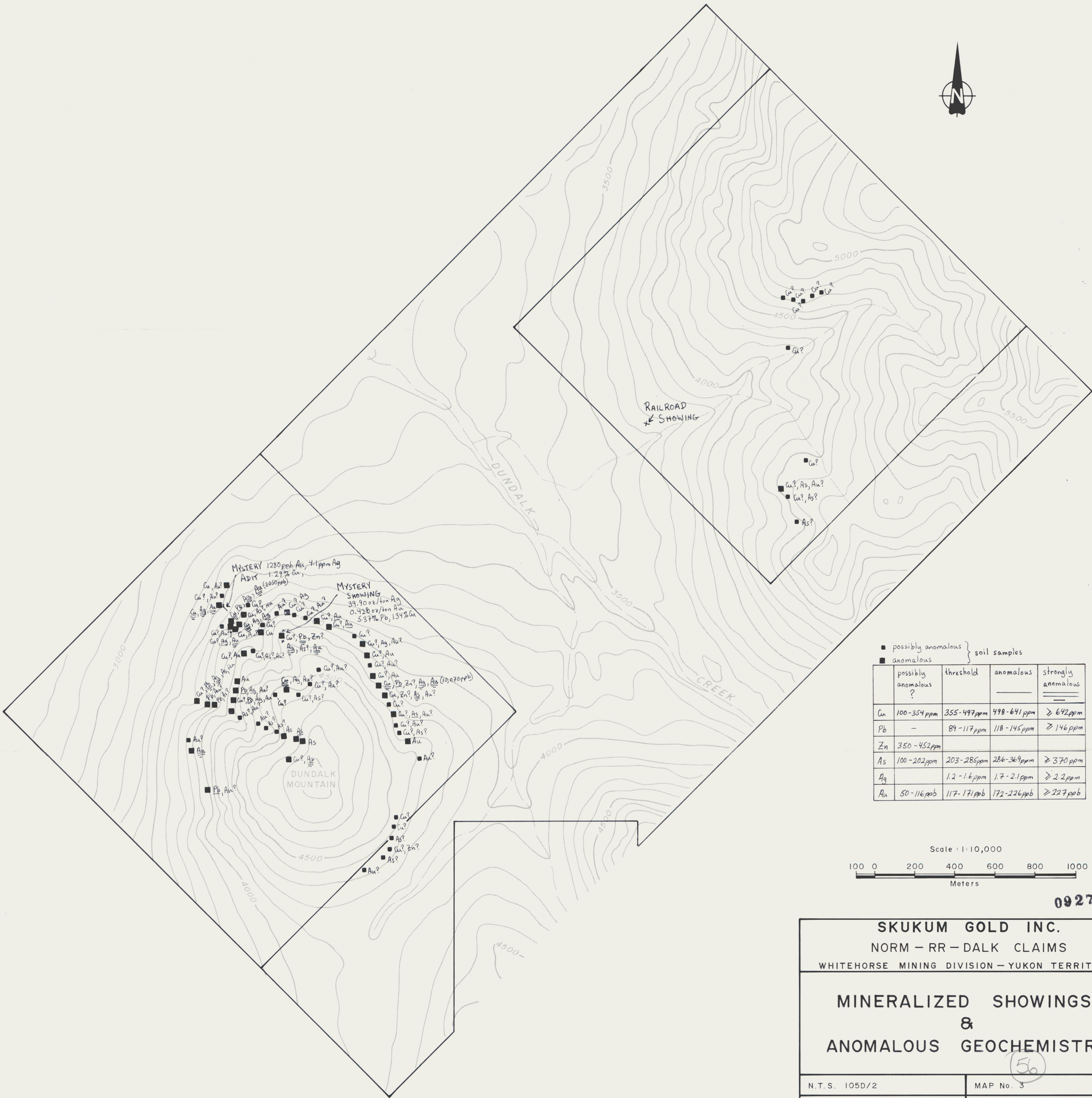
WHITEHORSE MINING DIVISION – YUKON TERRITORY

SAMPLE LOCATIONS

54

092715

N.T.S. 105D/2	MAP No. 2
DRAWN BY: A.L.W., H.F.M., T.M.	DATE : APRIL, 1989
NOTE: Contour Interval 100 Feet.	



■ possibly anomalous
■ anomalous
} soil samples

	possibly anomalous ?	threshold	anomalous	strongly anomalous
Cu	100-354 ppm	355-497 ppm	498-641 ppm	≥ 642 ppm
Pb	–	89-117 ppm	118-145 ppm	≥ 146 ppm
Zn	350-452 ppm			
As	100-202 ppm	203-285 ppm	286-369 ppm	≥ 370 ppm
Ag		1.2-1.6 ppm	1.7-2.1 ppm	≥ 2.2 ppm
Au	50-116 ppb	117-171 ppb	172-226 ppb	≥ 227 ppb

Scale : 1:10,000

100 0 200 400 600 800 1000

Meters

092715

SKUKUM GOLD INC.

NORM – RR – DALK CLAIMS

WHITEHORSE MINING DIVISION – YUKON TERRITORY

MINERALIZED SHOWINGS & ANOMALOUS GEOCHEMISTRY

(56)

N.T.S. 105D/2	MAP No. 3
DRAWN BY: A.L.W., H.F.M., T.M.	DATE: APRIL, 1989

NOTE: Contour Interval 100 Feet.

APPENDIX 1: - SAMPLE DESCRIPTIONS

SAMPLE DESCRIPTIONS - SKUKUM GOLD INC.

PROJECT: RR claims SAMPLER: Andrew Wilkins & Erik

SAMPLE #	DATE	LOCATION	SAMPLE DESCRIPTIONS
10A-4F1	29-SEP/88	RR Claims summit area elv 5800'	Vuggy ! gossanous white quartz vein, 5cm wide in felted volcanics (Lewis River Group) - subcrop.
10A-4F2	"	RR Claims elv 5300'	Banded Qz vein with chalcedonic Quartz - euhedral Qz xtals (≤1mm) vugs - slightly gossanous ; 20cm boulder.
10A-4F3	"	RR Claims elv 4940'	White and grey Qz-CB boulder with some graphite along shears.
10A-4R1	"	RR claims elv 4500'	Andesitic volcanics (Lewis River) - maroon coloured with Qz-chalcedony-epidote veining - 5cm in size.
10A-4F4	"	RR claims elv 4160'	10cm wide Qz vein with minor siderite - gossanous.
10A-4R2	"	RR claims. elv 4200'	Qz-CB veining within Chlorite-Epidote altered andesitic volcanics - sheared. Attitude of shearing 105/40N.
10A-10R1	"	RR claims elv 4000'	Qz vein in rusty zone - good alteration, 2% pyrite + black mineral ?

SAMPLE DESCRIPTIONS - SKUKUM GOLD INC.

PROJECT: NORM Claims SAMPLER: Andrew Wilkins ~~Hugh MacGinnon~~

SAMPLE #	DATE	LOCATION	SAMPLE DESCRIPTIONS
10B-4R1	30-SEP88	NORM Claims Mystery showing	20 cm wide zone of honey coloured and bleached QZ-CY-WAD altn with sulphides weathered out - boxwork weathering. - Attitude of vein 100/40N
10B-4R2	"	"	As above - 3 meters along strike.
10B-4F1	"	NORM Claims elv 4100'	extremely gossanous and carb altered greenstone with QZ-CB-PY mineralization - lots of similar float in area.
10B-4R3	"	NORM claims elv 3660'	Intense CAG Chlorite - carbonate altered greenstone - sheared up with dis pyrite (5%) throughout. Calcite veining as well. Malachite staining - quite gossanous Attitude of shear 130/78NE on strike with adit.
10B-4R4	"	NORM Claims elv 3620'	2 meter wide shear zone in altered greenstone - loaded with malachite and azurite staining grab sample - on strike with adit.
10B-4R5	"	"	Chip sample over same zone (2 meters)
10B-4R6	"	NORM Claims elv 3610' ~~Mystery Adit~~	disseminated pyrite ~~and~~ chalcopyrite in sheared zone - MA-AZ-MN staining throughout.
10B-4R7	"	NORM CLAIMS Mystery Adit elv 3500'	Chip Sample over 50cm.
10B-4R8	"	"	Chip Sample over 60cm.
10B-4R9	"	"	Chip Sample over 50cm.
10B 4R7, 4R8, 4R9			1.6 meters of sheared up Chlorite carbonate altered volcanics - extremely gossanous with some siliceous zones carbonate-manganese-malachite-azurite alteration throughout - fine grained disseminated pyrite and chalcopyrite Attitude of shear 140/77NE

SAMPLE DESCRIPTIONS - SKUKUM GOLD INC.

PROJECT: NORM Claims SAMPLER: Hugh MacKinnon

SAMPLE #	DATE	LOCATION	SAMPLE DESCRIPTIONS
10B-5R1	30-SEP-88	NW side of Dundalk Mountain Main Gully elv 4240'	limonite ~~wh~~ weathered, chlorite sericite altered with minor carbonate veinlets in pyritic medium grained granodiorite
10B-5R2	"	"	Olivine (?) Basalt - comb textured calcite breccias - May be calcrete orgin rather the calcite healed breccia.

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: OCT 11 1988
DATE REPORT MAILED: Oct. 14/88.

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 10A FILE # 88-5095 Page 1 RR.

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-10A-4S-1	96	9	79	.1	14	4
88-10A-7S-1	22	32	99	.1	10	2
88-10A-7S-2	34	24	111	.1	17	1
88-10A-7S-3	44	20	112	.2	45	1
88-10A-7S-4	35	28	137	.1	44	1
88-10A-7S-5	42	21	142	.1	58	1
88-10A-7S-6	77	19	77	.1	123	5
88-10A-7S-7	39	15	63	.2	29	1
88-10A-7S-8	123	16	83	.1	106	1
88-10A-7S-9	223	16	109	.4	230	51
88-10A-7S-10	73	15	81	.4	63	2
88-10A-7S-11	41	8	59	.1	45	1
88-10A-7S-12	56	10	79	.2	36	2
88-10A-7S-13	101	17	107	.4	58	28
88-10A-7S-14	39	11	66	.1	31	1
88-10A-7S-15	37	14	72	.1	33	1
88-10A-7S-16	36	18	88	.1	53	1
88-10A-7S-17	33	14	69	.1	33	1
88-10A-7S-18	28	12	75	.1	46	10
88-10A-7S-19	59	19	105	.3	85	2
88-10A-7S-20	33	10	76	.1	57	1
88-10A-7S-21	29	19	66	.1	54	1
88-10A-7S-22	46	21	79	.2	56	1
88-10A-7S-23	48	16	80	.1	43	1
88-10A-7S-24	82	15	101	.2	52	4
88-10A-7S-25	46	8	84	.2	31	7
88-10A-7S-26	36	14	79	.2	33	1
88-10A-7S-27	52	14	71	.1	13	1
88-10A-7S-28	65	11	68	.1	20	1
88-10A-7S-29	52	16	85	.1	25	2
88-10A-7S-30	55	18	94	.1	27	1
88-10A-7S-31	39	18	76	.1	25	1
88-10A-7S-32	65	10	79	.1	25	1
88-10A-7S-33	31	14	66	.1	29	6
88-10A-7S-34	38	25	126	.1	43	2
88-10A-7S-35	28	21	126	.1	27	1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-10A-7S-36	31	9	106	.2	34	3
88-10A-7S-37	49	7	121	.2	30	1
88-10A-7S-38	47	20	119	.1	32	1
88-10A-7S-39	44	4	99	.2	41	1
88-10A-7S-40	43	5	88	.1	25	3
88-10A-7S-41	84	13	115	.2	39	1
88-10A-7S-42	63	17	131	.2	24	3
88-10A-7S-43	126	5	101	.1	11	1
88-10A-7S-44	122	7	113	.1	16	3
88-10A-7S-45	148	12	104	.2	17	3
88-10A-7S-46	132	4	94	.1	12	3
88-10A-7S-47	122	4	92	.1	19	2
88-10A-7S-48	61	5	70	.1	18	1
88-10A-7S-49	54	12	83	.2	33	1
88-10A-7S-50	61	12	76	.1	26	1
88-10A-7S-51	64	8	84	.1	14	1
88-10A-10S-1	32	29	164	.2	43	1
88-10A-10S-2	33	22	109	.1	52	2
88-10A-10S-3	26	17	152	.2	46	1
88-10A-10S-4	26	18	110	.2	40	1
88-10A-10S-5	19	17	89	.1	33	1
88-10A-10S-6	32	11	186	.1	20	1
88-10A-10S-7	25	10	135	.1	15	1
88-10A-10S-8	26	16	137	.1	16	1
88-10A-10S-9	24	10	117	.2	16	1
88-10A-10S-10	24	10	125	.1	15	1
88-10A-10S-11	23	7	117	.1	16	1
88-10A-10S-12	23	2	111	.1	14	1
88-10A-10S-13	22	9	115	.1	15	1
88-10A-10S-14	24	8	120	.2	17	1
88-10A-10S-15	24	14	112	.2	16	1
88-10A-10S-16	93	9	89	.4	52	5
88-10A-10S-17	53	9	85	.1	26	1
88-10A-10S-18	49	5	102	.1	22	3
88-10A-10S-19	38	10	116	.1	21	1
88-10A-10S-20	67	6	98	.2	21	1
STD C/AU-S	57	39	132	6.9	41	50

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-10A-10S-22	32	7	142	.1	11	1
88-10A-10S-23	46	16	109	.1	22	2
88-10A-10S-24	29	10	127	.2	13	1
88-10A-10S-25	43	4	68	.1	9	1
88-10A-10S-26	44	8	66	.1	12	1
88-10A-10S-27	40	5	67	.1	10	2
88-10A-10S-28	44	10	64	.1	11	1
88-10A-10S-29	43	8	73	.2	12	1
88-10A-10S-30	87	17	81	.1	11	1
88-10A-10S-31	53	8	70	.1	14	1
88-10A-10S-32	78	19	95	.1	13	2
88-10A-10S-33	87	15	92	.1	12	1
88-10A-10S-34	71	11	95	.1	10	1
88-10A-10S-35	62	8	109	.1	16	1
88-10A-10S-36	63	5	112	.1	17	1
88-10A-10S-37	67	14	123	.1	12	2
88-10A-10S-38	46	4	146	.1	13	1
88-10A-10S-39	42	17	141	.1	9	2
88-10A-10S-41	63	10	125	.1	15	1
88-10A-10S-42	64	15	120	.1	14	2
88-10A-10S-43	61	11	117	.1	16	1
88-10A-10S-44	62	15	111	.1	18	1
88-10A-10S-45	40	9	141	.1	10	2
88-10A-10S-46	45	18	139	.2	12	1
88-10A-10S-47	42	13	142	.2	8	2
88-10A-10S-48	46	12	136	.1	11	1
88-10A-10S-49	56	16	111	.2	14	1
88-10A-10S-50	100	7	73	.1	13	1
88-10A-4L-1 <silt>	44	24	100	.1	39	2
88-10A-10L-1 <silt>	59	21	90	.1	23	1
STD C/AU-S	58	42	132	6.6	42	53

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE RECEIVED: OCT 5 1988
DATE REPORT MAILED: Oct. 11/88.

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

SKUKUM GOLD INC. PROJECT 10A FILE # 88-5003 ✓ RR C1.

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-10A-4F-1	4	15	18	.1	27	48
88-10A-4F-2	11	23	7	.2	56	105
88-10A-4F-3	5	3	9	.1	18	29
88-10A-4F-4	13	17	12	.2	21	6
88-10A-4R-1	22	2	32	.1	24	2
88-10A-4R-2	33	2	46	.1	5	24
88-10A-10R-1	798	5	169	1.9	93	22
STD C/AU-R	58	39	132	6.6	38	510

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE RECEIVED: OCT 11 1988
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- 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 10B FILE # 88-5096 Page 1 NCRM

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-10B-4S-1	130	58	104	.4	79	24
88-10B-4S-2	654	84	150	1.3	41	101
88-10B-4S-3	189	39	131	.6	131	44
88-10B-4S-4	128	36	124	.6	92	115
88-10B-4S-5	102	42	150	.7	81	82
88-10B-4S-6	235	197	301	3.0	102	235
88-10B-4S-7	224	69	163	.6	66	24
88-10B-4S-8	459	87	142	.8	192	166
88-10B-4S-9	983	86	184	1.3	27	245
88-10B-4S-10	143	60	141	1.7	39	305
88-10B-4S-11	117	73	140	1.1	31	61
88-10B-4S-12	373	36	124	.6	18	90
88-10B-4S-13	2900	129	127	4.9	13	2050
88-10B-5S-1	109	58	271	.5	785	34
88-10B-5S-2	51	34	122	.4	242	29
88-10B-5S-3	62	53	176	.2	330	32
88-10B-5S-4	56	54	116	.4	216	28
88-10B-5S-5	62	41	116	.5	149	24
88-10B-5S-6	120	39	121	.3	148	29
88-10B-5S-7	269	86	146	.5	64	54
88-10B-5S-8	44	12	28	.2	27	8
88-10B-5S-9	127	47	155	.4	174	55
88-10B-5S-10	53	55	105	.6	81	126
88-10B-5S-11	36	136	101	1.7	41	98
88-10B-5S-12	109	125	145	1.4	38	118
88-10B-5S-13	108	135	132	.4	30	57
88-10B-5S-14	46	48	232	.4	443	47
88-10B-5S-15	127	96	169	.7	160	40
88-10B-5S-16	91	96	141	.7	96	67
88-10B-5S-17	185	155	200	2.4	263	157
88-10B-5S-18	56	24	54	.2	39	42
88-10B-7S-1	64	24	117	.2	82	151
88-10B-7S-2	156	40	146	.1	139	24
88-10B-7S-3	209	52	268	.3	38	75
88-10B-7S-4	164	49	233	.6	301	70
88-10B-7S-5	182	39	124	.1	51	21
STD C/AU-S	59	37	131	6.6	40	48

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-10B-7S-6	384	28	394	.9	931	84
88-10B-7S-7	3677	126	389	16.6	89	10070
88-10B-7S-8	172	46	120	.5	57	120
88-10B-7S-9	284	38	135	.5	43	51
88-10B-7S-10	310	39	157	1.0	41	120
88-10B-7S-11	298	70	229	1.5	32	114
88-10B-7S-12	172	31	181	.4	25	11
88-10B-7S-13	21	9	67	.1	8	7
88-10B-7S-14	141	82	182	.9	72	216
88-10B-7S-15	229	27	126	.3	37	179
88-10B-7S-16	176	72	222	1.1	64	99
88-10B-7S-17	139	38	134	.5	50	29
88-10B-7S-18	274	48	195	1.2	86	113
88-10B-7S-19	98	71	147	.2	68	61
88-10B-7S-20	40	38	84	.1	41	13
88-10B-7S-21	226	42	152	.4	14	14
88-10B-7S-22	369	71	227	.9	21	14
88-10B-7S-23	92	46	107	.1	19	22
88-10B-7S-24	157	72	303	.4	151	74
88-10B-7S-25	140	64	136	.5	45	126
88-10B-7S-26	3242	83	222	2.8	37	290
88-10B-7S-27	332	35	102	.1	17	57
88-10B-7S-28	389	74	131	.2	33	77
88-10B-7S-30	30	28	69	.1	47	29
88-10B-7S-31	17	22	61	.1	24	4
88-10B-7S-32	56	42	105	.1	35	11
88-10B-7S-33	32	17	68	.2	22	25
88-10B-8S-1	68	25	110	.2	40	110
88-10B-8S-2	69	32	154	.1	75	15
88-10B-8S-3	54	29	139	.1	47	14
88-10B-8S-4	31	10	102	.2	32	44
88-10B-8S-5	80	19	131	.1	31	3
88-10B-8S-6	58	21	119	.1	48	15
88-10B-8S-7	124	26	129	.2	44	4
88-10B-8S-8	129	13	130	.1	28	2
88-10B-8S-9	95	54	193	.5	100	5
STD C/AU-S	57	38	132	6.6	39	50

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-10B-8S-10	140	19	349	.1	36	4
88-10B-8S-11	53	40	246	.2	176	10
88-10B-8S-12	51	30	105	.2	45	21
88-10B-8S-13	77	24	97	.6	31	75
88-10B-8S-14	63	40	127	.5	33	39
88-10B-8S-15	37	18	76	.2	31	27
88-10B-8S-16	37	24	82	.2	46	14
88-10B-8S-17	63	37	128	.2	71	25
88-10B-8S-18	46	25	100	.3	38	6
88-10B-8S-19	54	28	112	.3	32	7
88-10B-8S-20	47	25	99	.1	41	24
88-10B-8S-21	89	33	136	.2	32	12
88-10B-8S-22	80	39	153	.5	40	32
88-10B-8S-23	92	40	162	.4	28	27
88-10B-8S-24	57	29	163	.3	25	31
88-10B-8S-25	34	32	119	.1	26	21
88-10B-8S-26	64	44	129	.1	38	33
88-10B-8S-27	37	74	121	1.0	33	35
88-10B-8S-28	56	63	120	.1	52	38
88-10B-8S-29	55	119	146	.1	45	57
88-10B-8S-30	52	37	119	.1	27	18
88-10B-8S-31	68	63	106	.2	35	11
88-10B-8S-32	74	90	110	.8	33	300
88-10B-8S-33	58	93	139	.3	41	81
88-10B-8S-34	48	87	137	.2	36	38
88-10B-8S-35	58	50	92	.2	39	25
STD C/AU-S	57	38	133	6.6	42	49

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE RECEIVED: OCT 5 1988
DATE REPORT MAILED: Oct. 12/88.

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

SKUKUM GOLD INC. PROJECT 10B FILE # 88-5004 ✓

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB	
88-10B-4F-1	20	49	251	.6	23	29	
88-10B-4R-1	13432	22662	1034	295.1	439	15560	X
88-10B-4R-2	3631	6800	410	343.4	180	3680	X
88-10B-4R-3	423	384	149	11.4	8	196	
88-10B-4R-4	7986	98	268	5.0	8	930	
88-10B-4R-6	13000	45	319	1.9	10	820	
88-10B-4R-7	4278	43	170	4.1	11	1280	
88-10B-4R-8	3140	40	256	2.4	5	760	
88-10B-4R-9	5919	124	119	3.3	14	440	
88-10B-5R-1	193	40	38	.7	16	25	
88-10B-5R-2	76	12	61	.3	12	11	
STD C/AU-R	58	38	133	7.1	43	490	

Requested assays Oct. 19/88.

← Assay required for correct result for Cu > 10,000 ppm
Pb > 10,000 ppm
Ag > 35.0 ppm.

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

DATE RECEIVED: OCT 24 1988
DATE REPORT MAILED: Oct. 28/88.

ASSAY CERTIFICATE

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

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

SKUKUM GOLD INC. PROJECT-10B FILE # 88-5004R

SAMPLE#	AG** oz/t	AU** oz/t
88-10B-4R-1	39.90	.428
88-10B-4R-2	11.04	.114

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. Leong . D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

SKUKUM GOLD INC. PROJECT-10B FILE # 88-5004R

SAMPLE#	CU %	PB %
88-10B-4R-1	1.34	5.37
88-10B-4R-6	1.29	-

APPENDIX 3: - STATISTICAL SUMMARY

16:04:25 SKUKUM GOLD INC. - NORM & RR CLAIMS - SOILS 01/01/80

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	CU	Unit =	PPM	N =	195
Mean =	95.241	Min =	17.000	1st Quartile =	40.250
Std. Dev. =	109.121	Max =	983.000	Median =	58.000
CV % =	114.573	Skewness =	4.214	3rd Quartile =	108.750

%	cum %	cls int	(# of bins = 23 - bin size = 43.909)
0.00	0.26	-4.955	
21.54	21.68	38.955	**********
45.64	67.09	82.864	********** --> 63
12.31	79.34	126.773	**********
7.69	86.99	170.682	**********
3.59	90.56	214.591	*****
2.56	93.11	258.500	****
2.05	95.15	302.409	***
1.03	96.17	346.318	*
2.05	98.21	390.227	***
0.00	98.21	434.136	
0.51	98.72	478.045	*
0.00	98.72	521.955	
0.00	98.72	565.864	
0.00	98.72	609.773	
0.00	98.72	653.682	
0.51	99.23	697.591	*
0.00	99.23	741.500	
0.00	99.23	785.409	
0.00	99.23	829.318	
0.00	99.23	873.227	
0.00	99.23	917.136	
0.00	99.23	961.045	
0.51	99.74	1004.955	*

0 1 2 3 4

16:05:23 SKUKUM GOLD INC. - NORM & RR CLAIMS - SOILS 01/01/80

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SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	CU	Unit =	PPM	N =	195
Mean =	1.8340	Min =	1.2304	1st Quartile =	1.6047
Std. Dev. =	0.3225	Max =	2.9926	Median =	1.7634
CV % =	17.5853	Skewness =	0.8277	3rd Quartile =	2.0364

Anti-Log Mean = 68.235 Anti-Log Std. Dev. : (-) 32.471
(+) 143.392

%	cum %	antilog	cls int	(# of bins = 23 - bin size = 0.0801)
0.00	0.26	15.502	1.1904	
0.51	0.77	18.642	1.2705	*
2.05	2.81	22.418	1.3506	***
5.13	7.91	26.958	1.4307	*******
6.15	14.03	32.418	1.5108	********
7.69	21.68	38.983	1.5909	**********
13.33	34.95	46.879	1.6710	**********
13.33	48.21	56.373	1.7511	**********
12.82	60.97	67.790	1.8312	**********
5.64	66.58	81.520	1.9113	********
6.15	72.70	98.030	1.9914	********
3.59	76.28	117.884	2.0715	*****
8.21	84.44	141.758	2.1515	**********
2.56	86.99	170.469	2.2316	****
3.08	90.05	204.994	2.3117	****
3.08	93.11	246.511	2.3918	****
1.54	94.64	296.437	2.4719	**
1.54	96.17	356.474	2.5520	**
2.05	98.21	428.670	2.6321	***
0.51	98.72	515.488	2.7122	*
0.00	98.72	619.890	2.7923	
0.51	99.23	745.435	2.8724	*
0.00	99.23	896.408	2.9525	
0.51	99.74	1077.957	3.0326	*

0 1 2 3 4

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SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	PB	Unit =	PPM	N =	196
Mean =	31.714	Min =	2.000	1st Quartile =	12.000
Std. Dev. =	28.556	Max =	136.000	Median =	20.000
CV % =	90.042	Skewness =	1.633	3rd Quartile =	41.000

%	cum %	cls int	(# of bins = 23 - bin size = 6.091)
0.00	0.25	-1.045	
6.12	6.35	5.045	********
18.88	25.13	11.136	*****************************
18.37	43.40	17.227	*****************************
10.20	53.55	23.318	***************
9.18	62.69	29.409	**************
4.08	66.75	35.500	******
8.67	75.38	41.591	************
3.57	78.93	47.682	*****
3.06	81.98	53.773	****
2.55	84.52	59.864	****
2.04	86.55	65.955	***
3.06	89.59	72.045	****
1.53	91.12	78.136	**
1.53	92.64	84.227	**
2.55	95.18	90.318	****
1.53	96.70	96.409	**
0.00	96.70	102.500	
0.00	96.70	108.591	
0.00	96.70	114.682	
0.51	97.21	120.773	*
1.02	98.22	126.864	*
0.51	98.73	132.955	*
1.02	99.75	139.045	*

0 1 2 3 4

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	PB	Unit =	PPM			N =	198
Mean =	1.3522	Min =	0.3010	1st Quartile =			1.0603
Std. Dev. =	0.3864	Max =	2.2945	Median =			1.3222
CV % =	28.5738	Skewness =	0.0821	3rd Quartile =			1.6180
Anti-Log Mean =	22.502	Anti-Log Std. Dev. :		(-)	9.244		
				(+)	54.779		

%	cum %	antilog	cls int	(# of bins = 23 - bin size = 0.0906)
0.00	0.25	1.802	0.2557	
0.51	0.75	2.220	0.3463	*
0.00	0.75	2.735	0.4369	
0.00	0.75	3.369	0.5276	
2.53	3.27	4.151	0.6182	****
3.03	6.28	5.114	0.7088	****
0.51	6.78	6.301	0.7994	*
2.53	9.30	7.762	0.8900	****
7.58	16.83	9.563	0.9806	**********
8.08	24.87	11.782	1.0712	**********
8.08	32.91	14.516	1.1618	**********
10.10	42.96	17.883	1.2524	**********
10.10	53.02	22.032	1.3431	**********
5.56	58.54	27.143	1.4337	********
6.57	65.08	33.441	1.5243	*********
9.60	74.62	41.199	1.6149	**********
5.56	80.15	50.757	1.7055	********
4.04	84.17	62.533	1.7961	******
6.06	90.20	77.040	1.8867	********
4.55	94.72	94.914	1.9773	******
1.01	95.73	116.934	2.0679	*
3.03	98.74	144.062	2.1586	****
0.51	99.25	177.485	2.2492	*
0.51	99.75	218.661	2.3398	*

0 1 2 3 4

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	ZN	Unit =	PPM	N =	198
Mean =	124.611	Min =	28.000	1st Quartile =	90.500
Std. Dev. =	54.424	Max =	394.000	Median =	117.000
CV % =	43.675	Skewness =	2.195	3rd Quartile =	139.500

%	cum %	cls int	(# of bins = 23 - bin size = 16.636)
0.00	0.25	19.682	
0.51	0.75	36.318	*
0.00	0.75	52.955	
8.08	8.79	69.591	**********
14.14	22.86	86.227	**********
11.62	34.42	102.864	**********
19.70	54.02	119.500	**********
17.68	71.61	136.136	**********
12.63	84.17	152.773	**********
4.55	88.69	169.409	******
2.53	91.21	186.045	****
1.52	92.71	202.682	**
0.00	92.71	219.318	
3.03	95.73	235.955	****
0.51	96.23	252.591	*
0.51	96.73	269.227	*
0.51	97.24	285.864	*
0.51	97.74	302.500	*
0.51	98.24	319.136	*
0.00	98.24	335.773	
0.51	98.74	352.409	*
0.00	98.74	369.045	
0.00	98.74	385.682	
1.01	99.75	402.318	*

0 1 2 3 4

16:15:07 SKUKUM GOLD INC. - NORM & RR CLAIMS - SOILS 01/01/80

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	ZN	Unit =	PPM			N =	198
Mean =	2.0631	Min =	1.4472	1st Quartile =			1.9566
Std. Dev. =	0.1635	Max =	2.5955	Median =			2.0682
CV % =	7.9247	Skewness =	0.3557	3rd Quartile =			2.1446
Anti-Log Mean =	115.631	Anti-Log Std. Dev. :		(-)	79.357		
				(+)	168.488		

%	cum %	antilog	cls int	(# of bins = 23 - bin size = 0.0522)
0.00	0.25	26.367	1.4211	
0.51	0.75	29.734	1.4733	*
0.00	0.75	33.532	1.5255	
0.00	0.75	37.814	1.5777	
0.00	0.75	42.643	1.6298	
0.00	0.75	48.089	1.6820	
0.51	1.26	54.230	1.7342	*
1.01	2.26	61.156	1.7864	*
5.56	7.79	68.966	1.8386	********
7.07	14.82	77.774	1.8908	**********
8.08	22.86	87.706	1.9430	**********
6.57	29.40	98.907	1.9952	*********
15.66	44.97	111.539	2.0474	**********
16.16	61.06	125.783	2.0996	**********
16.16	77.14	141.847	2.1518	**********
9.09	86.18	159.962	2.2040	**********
3.03	89.20	180.391	2.2562	****
3.54	92.71	203.428	2.3084	*****
2.02	94.72	229.408	2.3606	***
1.52	96.23	258.706	2.4128	**
1.01	97.24	291.745	2.4650	*
1.01	98.24	329.003	2.5172	*
0.51	98.74	371.020	2.5694	*
1.01	99.75	418.403	2.6216	*

0 1 2 3 4

16:16:37 SKUKUM GOLD INC. - NORM & RR CLAIMS - SOILS 01/01/80

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SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	AG	Unit =	PPM	N =	197
Mean =	0.350	Min =	0.100	1st Quartile =	0.100
Std. Dev. =	0.542	Max =	4.900	Median =	0.200
CV % =	154.684	Skewness =	4.710	3rd Quartile =	0.400

%	cum %	cls int	(# of bins = 23 - bin size = 0.218)
0.00	0.25	-0.009	
68.53	68.43	0.209	********** --> 95
11.17	79.55	0.427	**********
8.63	88.13	0.645	**********
2.54	90.66	0.864	****
2.54	93.18	1.082	****
1.52	94.70	1.300	**
2.03	96.72	1.518	***
1.02	97.73	1.736	*
0.00	97.73	1.955	
0.00	97.73	2.173	
0.00	97.73	2.391	
0.51	98.23	2.609	*
0.51	98.74	2.827	*
0.51	99.24	3.045	*
0.00	99.24	3.264	
0.00	99.24	3.482	
0.00	99.24	3.700	
0.00	99.24	3.918	
0.00	99.24	4.136	
0.00	99.24	4.355	
0.00	99.24	4.573	
0.00	99.24	4.791	
0.51	99.75	5.009	*

0 1 2 3 4

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16:17:13 SKUKUM GOLD INC. - NORM & RR CLAIMS - SOILS 01/01/80

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SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	AG	Unit =	PPM			N =	197
Mean =	-0.6772	Min =	-1.0000	1st Quartile =		-1.0000	
Std. Dev. =	0.3823	Max =	0.6902	Median =		-0.6990	
CV % =	56.4590	Skewness =	1.1166	3rd Quartile =		-0.3979	
Anti-Log Mean =	0.210	Anti-Log Std. Dev. :		(-)	0.087		
				(+)	0.507		

%	cum %	antilog	cls int	(# of bins = 23 - bin size = 0.0768)
0.00	0.25	0.092	-1.0384	
45.69	45.71	0.109	-0.9616	********** --> 64
0.00	45.71	0.130	-0.8848	
0.00	45.71	0.156	-0.8079	
0.00	45.71	0.186	-0.7311	
22.84	68.43	0.222	-0.6543	**********
0.00	68.43	0.265	-0.5775	
4.06	72.47	0.316	-0.5006	******
0.00	72.47	0.377	-0.4238	
7.11	79.55	0.450	-0.3470	**********
5.08	84.60	0.537	-0.2701	*******
3.55	88.13	0.641	-0.1933	*****
1.52	89.65	0.765	-0.1165	**
2.54	92.17	0.913	-0.0397	****
1.02	93.18	1.089	0.0372	*
2.54	95.71	1.300	0.1140	****
1.02	96.72	1.552	0.1908	*
1.02	97.73	1.852	0.2676	*
0.00	97.73	2.210	0.3445	
0.51	98.23	2.638	0.4213	*
1.02	99.24	3.149	0.4981	*
0.00	99.24	3.758	0.5750	
0.00	99.24	4.485	0.6518	
0.51	99.75	5.353	0.7286	*

0 1 2 3 4

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16:18:45 SKUKUM GOLD INC. - NORM & RR CLAIMS - SOILS 01/01/80

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable = AS Unit = PPM N = 198

Mean =	58.066	Min =	8.000	1st Quartile =	18.000
Std. Dev. =	100.178	Max =	931.000	Median =	33.000
CV % =	172.525	Skewness =	5.902	3rd Quartile =	51.500

%	cum %	cls int	(# of bins = 23 - bin size = 41.955)	
0.00	0.25	-12.977		
39.90	39.95	28.977	********** -->	56
42.93	82.66	70.932	********** -->	60
7.58	90.20	112.886	**********	
3.03	93.22	154.841	****	
2.02	95.23	196.795	***	
1.01	96.23	238.750	*	
1.01	97.24	280.705	*	
0.51	97.74	322.659	*	
0.51	98.24	364.614	*	
0.00	98.24	406.568		
0.51	98.74	448.523	*	
0.00	98.74	490.477		
0.00	98.74	532.432		
0.00	98.74	574.386		
0.00	98.74	616.341		
0.00	98.74	658.295		
0.00	98.74	700.250		
0.00	98.74	742.205		
0.00	98.74	784.159		
0.51	99.25	826.114	*	
0.00	99.25	868.068		
0.00	99.25	910.023		
0.51	99.75	951.977	*	

0 1 2 3 4

16:19:20 SKUKUM GOLD INC. - NORM & RR CLAIMS - SOILS 01/01/80

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SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	AS	Unit =	PPM	N =	198
Mean =	1.5480	Min =	0.9031	1st Quartile =	1.2553
Std. Dev. =	0.3748	Max =	2.9689	Median =	1.5185
CV % =	24.2083	Skewness =	0.9302	3rd Quartile =	1.7118

Anti-Log Mean = 35.322 Anti-Log Std. Dev. : (-) 14.904
(+) 83.714

(# of bins = 23 - bin size = 0.0939)

%	cum %	antilog	cls int	
0.00	0.25	7.180	0.8561	
1.01	1.26	8.913	0.9500	*
5.56	6.78	11.065	1.0439	********
6.06	12.81	13.736	1.1378	********
11.62	24.37	17.051	1.2317	**********
5.05	29.40	21.167	1.3257	*******
7.07	36.43	26.276	1.4196	**********
11.11	47.49	32.618	1.5135	**********
14.14	61.56	40.491	1.6074	**********
12.63	74.12	50.265	1.7013	**********
6.06	80.15	62.397	1.7952	********
4.04	84.17	77.458	1.8891	******
4.55	88.69	96.155	1.9830	******
1.52	90.20	119.364	2.0769	**
2.02	92.21	148.176	2.1708	***
2.53	94.72	183.941	2.2647	****
1.01	95.73	228.340	2.3586	*
1.52	97.24	283.455	2.4525	**
1.01	98.24	351.874	2.5464	*
0.00	98.24	436.808	2.6403	
0.51	98.74	542.242	2.7342	*
0.00	98.74	673.125	2.8281	
0.51	99.25	835.600	2.9220	*
0.51	99.75	1037.292	3.0159	*

0 1 2 3 4

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SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	AU	Unit =	PPB	N =	196
Mean =	32.168	Min =	1.000	1st Quartile =	1.000
Std. Dev. =	56.111	Max =	305.000	Median =	5.000
CV % =	174.429	Skewness =	2.750	3rd Quartile =	38.000

%	cum %	cls int	(# of bins = 23 - bin size = 13.818)
0.00	0.25	-5.909	
54.08	54.06	7.909	********** --> 75
9.18	63.20	21.727	**********
11.73	74.87	35.545	**********
4.08	78.93	49.364	******
4.59	83.50	63.182	******
2.55	86.04	77.000	****
2.55	88.58	90.818	****
1.53	90.10	104.636	**
2.55	92.64	118.455	****
2.04	94.67	132.273	***
0.00	94.67	146.091	
1.02	95.69	159.909	*
0.51	96.19	173.727	*
0.51	96.70	187.545	*
0.00	96.70	201.364	
0.00	96.70	215.182	
0.51	97.21	229.000	*
0.51	97.72	242.818	*
0.51	98.22	256.636	*
0.00	98.22	270.455	
0.00	98.22	284.273	
0.51	98.73	298.091	*
1.02	99.75	311.909	*

0 1 2 3 4

16:20:41 SKUKUM GOLD INC. - NORM & RR CLAIMS - SOILS 01/01/80

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	AU	Unit =	PPB	N =	198
Mean =	0.8823	Min =	0.0000	1st Quartile =	0.0000
Std. Dev. =	0.8565	Max =	4.0030	Median =	0.6990
CV % =	97.0826	Skewness =	0.5778	3rd Quartile =	1.5798

Anti-Log Mean = 7.625 Anti-Log Std. Dev. : (-) 1.061
(+) 54.801

(# of bins = 23 - bin size = 0.1820)

%	cum %	antilog	cls int	
0.00	0.25	0.811	-0.0910	
34.34	34.42	1.233	0.0910	********** --> 48
0.00	34.42	1.875	0.2729	
8.59	42.96	2.850	0.4549	**********
6.57	49.50	4.334	0.6368	*********
2.53	52.01	6.589	0.8188	****
3.03	55.03	10.017	1.0008	****
5.56	60.55	15.230	1.1827	********
2.53	63.07	23.156	1.3647	****
11.11	74.12	35.207	1.5466	**********
5.05	79.15	53.528	1.7286	*******
7.07	86.18	81.384	1.9105	**********
6.57	92.71	123.735	2.0925	*********
3.03	95.73	188.126	2.2744	****
1.52	97.24	286.025	2.4564	**
1.52	98.74	434.871	2.6384	**
0.00	98.74	661.175	2.8203	
0.00	98.74	1005.245	3.0023	
0.00	98.74	1528.368	3.1842	
0.00	98.74	2323.720	3.3662	
0.51	99.25	3532.968	3.5481	*
0.00	99.25	5371.501	3.7301	
0.00	99.25	8166.793	3.9121	
0.51	99.75	12416.735	4.0940	*

0 1 2 3 4