

MAP NO. ASSESSMENT REPORT X DOCUMENT NO.: 092637  
 PROSPECTUS MINING DISTRICT: Whitehorse  
 CONFIDENTIAL X TYPE OF WORK: Geochemical  
 105 D 4 OPEN FILE

REPORT FILED UNDER: Skukum Gold Inc.

DATE PERFORMED: 19 May-23 October, 1988

DATE FILED: 8 February, 1989

LOCATION: LAT.: 60 12'N

AREA: Watson River

LONG.: 135 38'W

VALUE \$: 17 400.00

CLAIM NAME & NO.: WAT 1-140 (YB06131-230, YB06691-730)

WORK DONE BY: A.L. Wilkins and H.F. MacKinnon

WORK DONE FOR: Skukum Gold Inc.

DATE TO GOOD STANDING

REMARKS: #167 WAT

Prospecting and sampling in 1988 turned up three showings.

The CREEK showing is a skarn containing 226 g/t Ag, 9.8% Pb, 5.7

% Zn & 1.9% Cu. The SCREAMER vein assayed 101 g/t Ag, 3% Cu,

2.8% Zn & 1.6% Pb. The GRUNT vein had 9.9 g/t Au and 49.9% As.



# SKUKUM GOLD INC.



PRELIMINARY  
GEOLOGICAL AND GEOCHEMICAL  
R E P O R T

ON THE

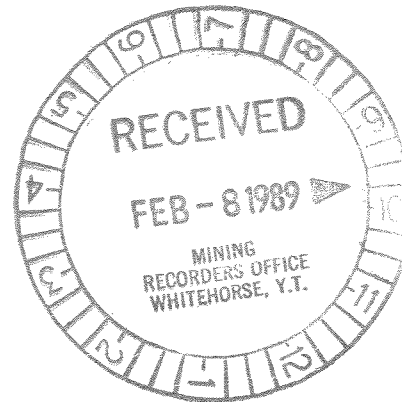
WAT 1-140 MINERAL CLAIMS  
(YB06131-230 & YB06691-730)

HEADWATERS OF THE WATSON RIVER  
WHITEHORSE MINING DISTRICT  
YUKON TERRITORY

N.T.S.: 105D/4

LATITUDE: 60 DEGREES 12 MINUTES NORTH  
LONGITUDE: 135 DEGREES 38 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.

May 19, 1988 to October 23, 1988

092037

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 \$ 17,400.00.

*J. J. Bremer*

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

## SUMMARY

This report describes exploration work performed on the WAT 1-140 Mineral Claims located at the headwaters of the Watson River in the southern Yukon.

The property is underlain by Yukon Group metamorphic rocks of the Yukon Crystalline Complex, which have been intruded by granitic rocks of the Coast Plutonic Complex. These units are intruded and overlain by Eocene volcanics of the Mount Skukum Volcanic Complex. Epithermal and mesothermal veins and structures are found throughout the Mount Skukum Volcanic Complex and the potential for finding commercial precious metal deposits is good.

Exploration work consisted of preliminary geological mapping, prospecting, and geochemical rock, talus fines and stream sediment sampling during the summer of 1988.

Three mineralized showings have been found to date. The "Creek" showing is a galena, sphalerite, and chalcopryrite bearing skarn with assays of 6.59 ounces per tonne silver, 9.76% lead, 5.70% zinc and 1.86% copper. The "Screamer" showing is a galena, sphalerite, and bornite bearing vein with assays of 2.94 ounces per ton silver, 2.96% copper, 2.75% zinc and 1.61% lead. The "Grunt" showing is an arsenopyrite pod with assays of 0.288 ounces per ton gold and 49.93% arsenic.

Additional prospecting and mapping of the "Screamer, Creek and Grunt" showings and the western portion of the claim block is recommended. Further talus fines sampling is warranted in these areas as well. Some follow up prospecting of the spotty anomalies on the rest of the property is also recommended.

## TABLE OF CONTENTS

	page
1. INTRODUCTION	
1.1 LOCATION & ACCESS.....	1
1.2 CLIMATE, TOPOGRAPHY & VEGETATION.....	1
1.3 PROPERTY & CLAIM STATUS.....	1
1.4 PREVIOUS WORK HISTORY.....	4
1.5 1988 WORK PROGRAM.....	4
2. GEOLOGY	
2.1 REGIONAL GEOLOGY.....	5
2.2 PROPERTY GEOLOGY.....	5
3. GEOCHEMISTRY	
3.1 INTRODUCTION.....	7
3.2 SAMPLE PREPARATION & ANALYTICAL PROCEDURE.....	8
3.3 TREATMENT & PRESENTATION OF RESULTS.....	8
3.4 MINERALIZATION & ROCK GEOCHEMISTRY.....	9
3.5 STREAM SEDIMENT GEOCHEMISTRY.....	10
3.6 TALUS FINES GEOCHEMISTRY.....	11
4. DISCUSSION.....	12
5. CONCLUSIONS & RECOMMENDATIONS.....	12
6. REFERENCES.....	14
7. STATEMENT OF EXPENDITURES.....	15
8. STATEMENT OF QUALIFICATIONS.....	16
APPENDICES.....	in back of report
APPENDIX 1: SAMPLE DESCRIPTIONS	
APPENDIX 2: ANALYTICAL RESULTS	
APPENDIX 3: STATISTICAL SUMMARY	

LIST OF FIGURES

FIG. 1 - LOCATION MAP - 1:250,000 scale.....2  
FIG. 2 - CLAIM MAP - 1:30,000 scale.....3  
FIG. 3 - REGIONAL TECTONIC SETTING.....6

LIST OF TABLES

TABLE 1 - CLAIM STATUS.....1  
TABLE 2 - TABLE OF FORMATIONS.....7  
TABLE 3 - STATISTICAL SUMMARY OF ANOMALIES.....8  
TABLE 4 - ANOMALOUS ROCK SAMPLES.....9  
TABLE 5 - ANOMALOUS STREAM SEDIMENT SAMPLES.....11

LIST OF MAPS

MAP 1 - PROPERTY GEOLOGY & SAMPLE LOCATIONS - 1:10,000 scale  
.....in pocket  
MAP 2 - MINERALIZED SHOWINGS & ANOMALOUS GEOCHEMISTRY -  
1:10,000 scale.....in pocket

## 1. INTRODUCTION

### 1.1 LOCATION & ACCESS

The WAT 1-140 Mineral Claims are located north of the Yukon - B.C. border, at the headwaters of the Watson River at 60 degrees 12 minutes North latitude and 135 degrees 38 minutes West longitude (N.T.S. 105D/4). The property is accessible by helicopter, with the nearest permanent base being Whitehorse, Y.T.. The 1988 work program was conducted from a camp established in the Wheaton River Valley, Y.T..

### 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 (90 cm. annually) with about half falling as rain. The exploration season lasts from mid June to the end of September. At the higher elevations, snow remains on the north exposures and gullies into July. The creeks are open from early June to mid October.

The topography of the WAT claims is partly rugged with precipitous, glacially sculptured valley sides, and relatively flat ridge tops, valley floors and alpine passes. Snowfields and small pocket glaciers exist on high, north facing cirques within the claim group. Maximum relief in the area is approximately 885 meters (2900 ft.) with valley floors of 1220 meters (4000 ft.) and summits up to 2105 meters (6900 ft.).

Ninety percent of the property is above treeline, with talus and felsenmeer covering the higher precipitous elevations, willows, alpine grasses, shrubs and wild flowers in the meadows on the ridge tops and alpine passes, and stunted spruce, balsam, poplar, alder, willows and shrubs in the valley floors.

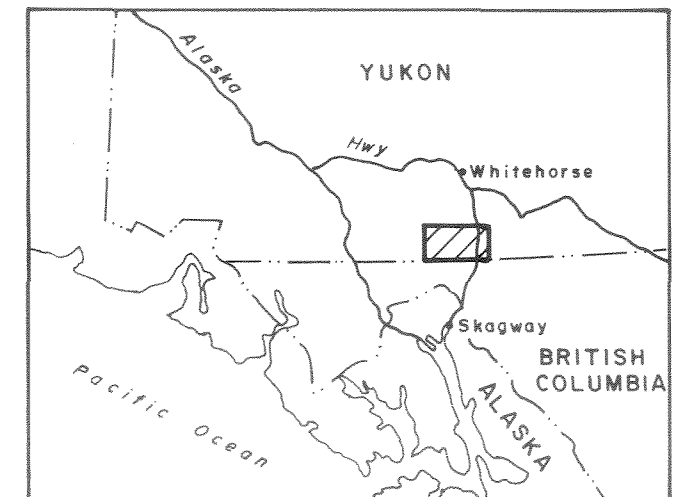
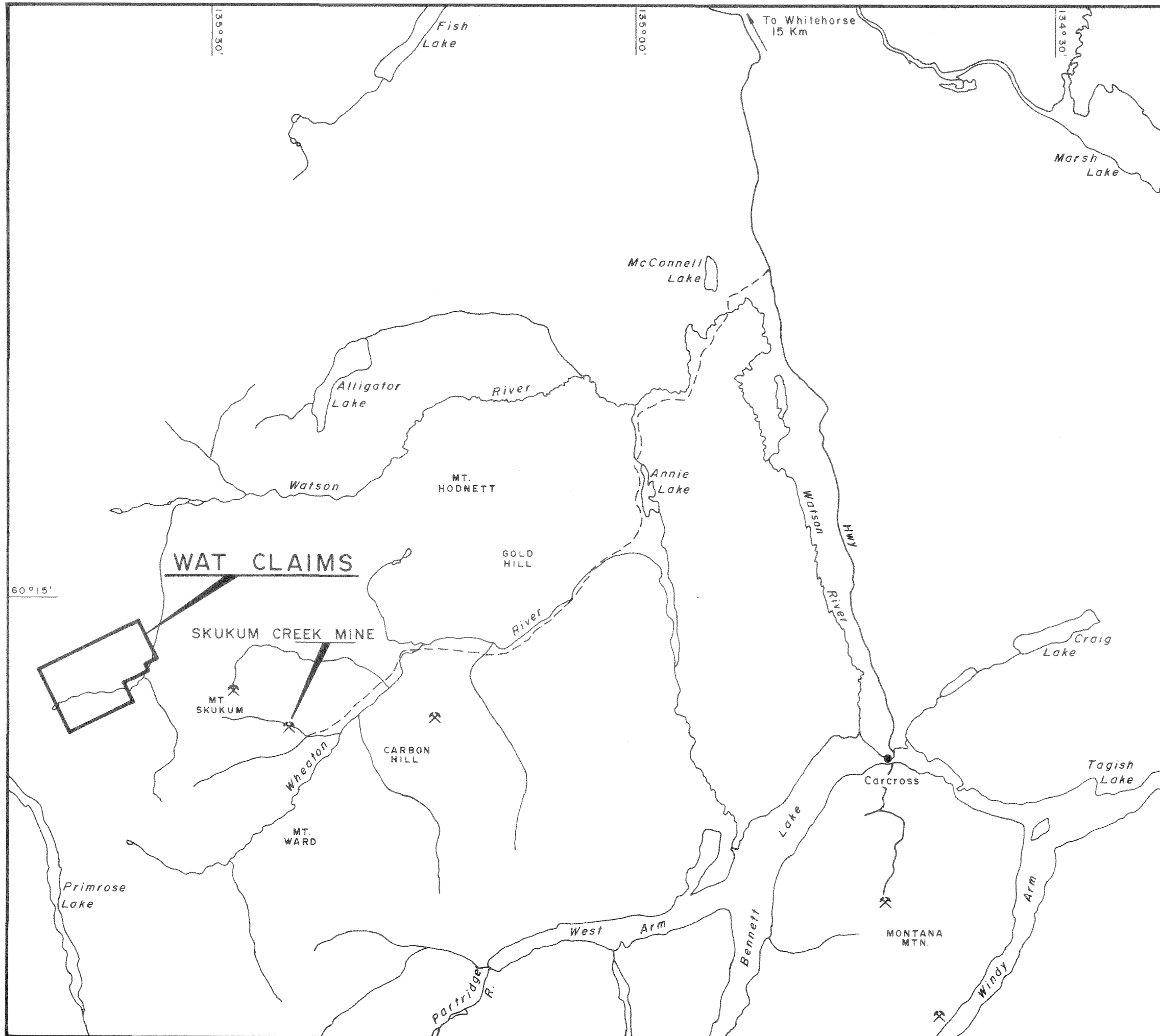
### 1.3 PROPERTY & CLAIM STATUS

The WAT Property consists of 140 contiguous 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.

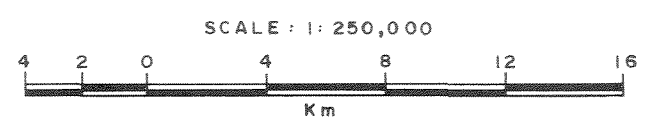
TABLE 1: - CLAIM STATUS

Claim Name	Grant Numbers	Recording Date	Renewal Period	Total Claims
WAT 1-100	YB06131-230	JUL 23,1987	OCT 23,1989*	100
WAT 101-140	YB06691-730	AUG 04,1987	NOV 04,1988*	40

\* pending acceptance of this report



LOCATION MAP



**SKUKUM GOLD INC.**  
**WAT 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: JAN. 1989

2	1	14	13	26	25	38	37	50	49	62	61	76	75	90	89
YB06132	YB06131	YB06144	YB06143	YB06156	YB06155	YB06168	YB0616	YB06180	YB06179	YB06192	YB06191	YB06206	YB06205	YB06220	YB06219
4	1	16	15	28	27	40	39	52	51	64	63	78	77	92	91
YB06134	YB06133	YB06146	YB06145	YB06158	YB06157	YB06170	YB06169	YB06182	YB06181	YB06194	YB06193	YB06208	YB06207	YB06222	YB06221
6	5	18	17	30	29	42	41	54	53	66	65	80	79	94	93
YB06136	YB06135	YB06148	YB06147	YB06160	YB06159	YB06172	YB06171	YB06184	YB06183	YB06196	YB06195	YB06210	YB06209	YB06224	YB06223
8	7	20	19	32	31	44	43	56	55	68	67	82	81	96	95
YB06138	YB06137	YB06150	YB06149	YB06162	YB06161	YB06174	YB06173	YB06186	YB06185	YB06198	YB06197	YB06212	YB06211	YB06226	YB06225
10	9	22	21	34	33	46	45	58	57	70	69	84	83	98	97
YB06140	YB06139	YB06152	YB06151	YB06164	YB06163	YB06176	YB06175	YB06188	YB06187	YB06200	YB06199	YB06214	YB06213	YB06228	YB06227
12	11	24	23	36	35	48	47	60	59	72	71	86	85	100	99
YB06142	YB06141	YB06154	YB06153	YB06166	YB06165	YB06178	YB06177	YB06190	YB06189	YB06202	YB06201	YB06216	YB06215	YB06230	YB06229
101	103	105	107	109	111	113	115	117	119	74	73	88	87		
YB06691	YB06693	YB06695	YB06697	YB06699	YB06701	YB06703	YB06705	YB06707	YB06709	YB06204	YB06203	YB06218	YB06217		
102	104	106	108	110	112	114	116	118	120						
YB06692	YB06694	YB06696	YB06698	YB06700	YB06702	YB06704	YB06706	YB06708	YB06710						
121	123	125	127	129	131	133	135	137	139						
YB06711	YB06713	YB06715	YB06717	YB06719	YB06721	YB06723	YB06725	YB06727	YB06729						
122	124	126	128	130	132	134	136	138	140						
YB06712	YB06714	YB06716	YB06718	YB06720	YB06722	YB06724	YB06726	YB06728	YB06730						

WAT

Watson

River

MAG

MAG

# SKUKUM GOLD

## CLAIM MAP WAT 1-140

NTS: 105D/4

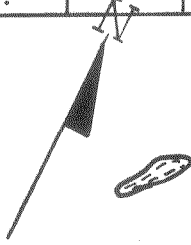
DATE: JAN /89

SCALE: 1-30,000

FIGURE: 2

DAY

SON



The claims are shown on Claim Sheet 105D/4. All the claims are 100% owned by Skukum Gold Inc. of Vancouver, B.C..

#### 1.4 PREVIOUS WORK HISTORY

The Geological Survey of Canada conducted a regional geochemical stream sediment survey in 1985 (G.S.C., 1985) and sampled eight of the creeks draining the WAT claims. Anomalous values for copper, lead, zinc and/or arsenic were found in five of the samples.

No other record of exploration work has been recorded on the WAT claim block.

Since the early 1980's there has been exploration work conducted on numerous properties located in the vicinity of the WAT 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 the Mount Skukum Volcanic Complex, including the above two mines, **BERGLYNN RESOURCES'** and **SKUKUM GOLD'S** recent **GODDELL GULLY** gold discovery, and the **BECKER-COCHRAN** antimony deposit.

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

#### 1.5 1988 WORK PROGRAM

A preliminary exploration program was carried out by a four person crew intermittently between July 4 and September 27, 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, preliminary mapping, rock sampling, stream sediment silt sampling and talus fines sampling.

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

Andrew Wilkins B.Sc. ....	Project Geologist
Hugh MacKinnon B.Sc. ....	Geologist
Pat Varas B.Sc. ....	Geologist
Erik Bergvinson ....	Geological Assistant
Tenney Wilkins ....	Geological Assistant
Martin Rhodes ....	Geological Assistant (Student)
Chris Wallis ....	Geological Assistant (Student)

## 2. GEOLOGY

### 2.1 REGIONAL GEOLOGY

The regional tectonic setting is presented in Figure 3.

The WAT Claims lie on the eastern edge of the Nisling Terrane, near the boundary with folded Mesozoic volcanic and sedimentary rocks of 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.

Lower Tertiary volcanics of the Skukum Group unconformably overlie 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 is the northernmost part of the Sloko volcanic province and outcrops in two distinct areas. The Mount Skukum Volcanic Complex of Eocene age, is the more northerly of the two pockets of Skukum Group volcanics. It is divided into seven volcanic cycles and is made up of predominantly felsic to andesitic tuffs and flows and related epiclastics. Doming and collapse of the Mount Skukum Caldera has resulted in the development of an apical graben structure with a strong northeast trend (Doherty et al, 1988).

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

### 2.2 PROPERTY GEOLOGY

Property geology is presented on Map 1.

The WAT claims are underlain by Cretaceous grey, medium to coarse grained, hornblende ± biotite granodiorite (Kgd), and dark grey, medium grained diorite of the Coast Mountain Plutonic Complex, as well as roof pendants of Proterozoic to Permian light grey to white crystalline marbles (Hm) and dark grey, sometimes gossanous quartz-feldspar-biotite-muscovite gneisses, schists and quartzites of the Yukon Group (HCsn). The Yukon Group and Coast Mountain Plutonic Complex have been intruded and overlain by Eocene high level feldspar porphyry intrusives and volcanic flows, and overlain by lapilli tuffs, volcanic breccias and agglomerates of the Mount Skukum Volcanic Complex (ESK). Rhyolitic to dacitic dykes crosscut all the units and are considered to be the latest phase of the Eocene volcanism.

FIGURE 3: - REGIONAL TECTONIC SETTING

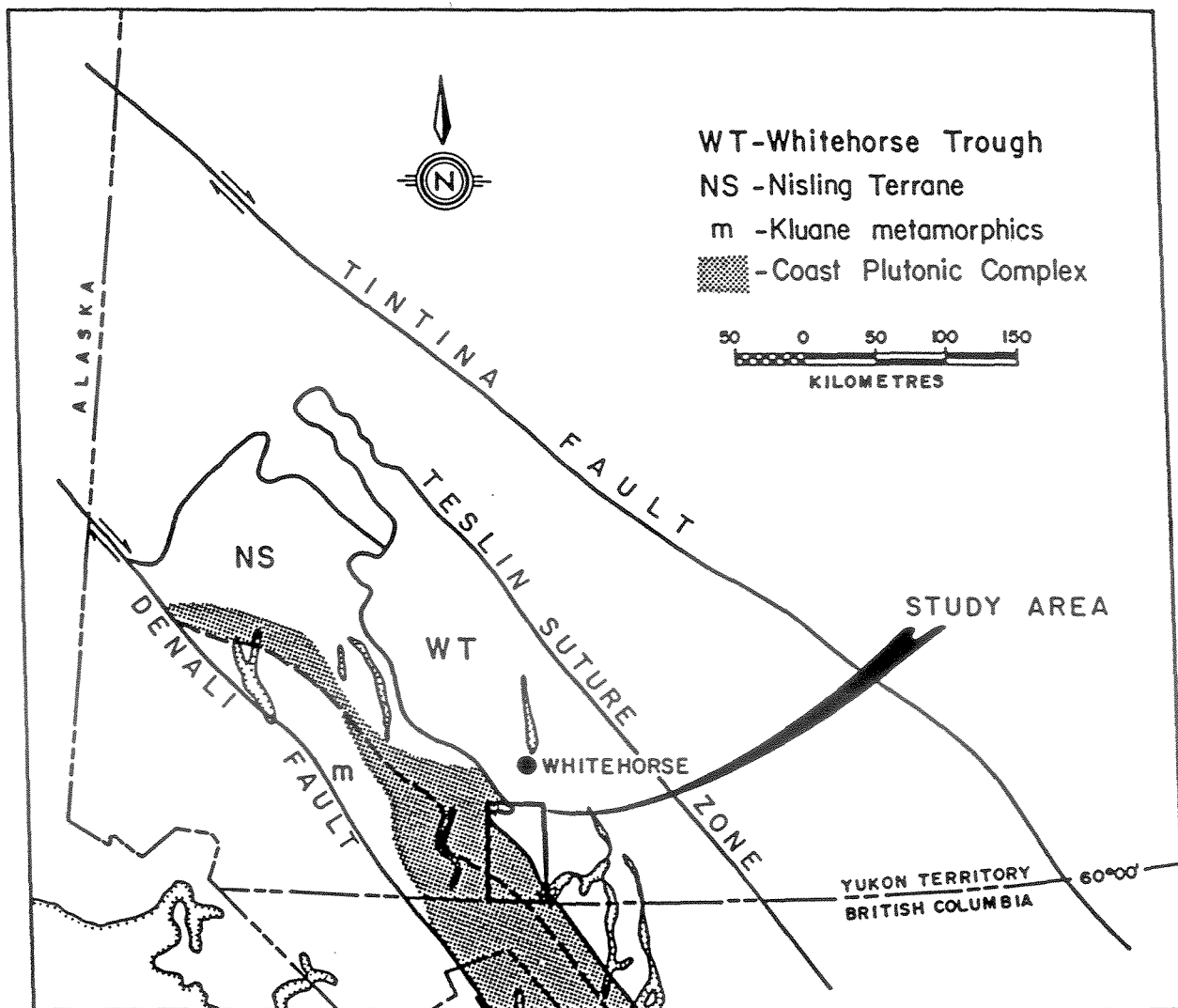


TABLE 2: - TABLE OF FORMATIONS

QUATERNARY

PLEISTOCENE AND RECENT

Q.....Glacial drift and alluvium.

Unconformity

TERTIARY

EOCENE

SKUKUM GROUP

ESK.....Skukum Group volcanics.  
rd-rhyolite dyke, dd-dacite dyke, fp-  
feldspar porphyry, lp-lapilli tuff, xlp-  
cystal lapilli tuff, vag-volcanic  
agglomerate, vbx-volcanic breccia.

Unconformity or Intrusive contact

CRETACEOUS

COAST PLUTONIC COMPLEX

Kgd.....Granodiorite.

Kdr.....Diorite.

Intrusive contact

PALEOZOIC AND OLDER

YUKON GROUP

Hm.....Marble.

HCsn.....Quartz-feldspar-biotite-muscovite gneiss  
and schist.

3. GEOCHEMISTRY

3.1 INTRODUCTION

Talus fines were collected along the base of most of the slopes on the property at 50 meter spacings between samples. Stream sediment silt samples were collected from some of the streams where possible. Grab rock samples were collected from interesting looking lithologies, alteration and mineralized showings. A total of 349 talus fines samples, 22 silt samples and 67 rock samples were collected.

Sample locations are presented in Map 1. Anomalous

geochemistry and mineralized showings are presented in Map 2.

### 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. Samples were analyzed for copper, lead, zinc, arsenic and silver using the Induced Coupled Plasma (ICP) technique. In addition, gold was analyzed from a 10 gram fraction by the conventional Atomic Absorption (AA) technique. One select rock sample was assayed for arsenic and gold and seven select rocks samples were assayed for copper, lead, zinc or silver using conventional assay methods.

### 3.3 TREATMENT AND PRESENTATION OF RESULTS

For the determination of anomalies, all the talus fines geochemical data from the WAT claims was combined with other geochemical data from Skukum Gold Inc.'s 1988 sampling programs on the DAY and MAG claims, which are in the vicinity of the WAT 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 3 below. Statistical summaries and histograms are presented in Appendix 3.

TABLE 3: - STATISTICAL SUMMARY OF ANOMALIES

Mean (x) talus fines	Threshold $x+2s$	Anomalous $x+3s$	Strongly Anomalous $x+4s$
Cu 36 ppm	240-341 ppm	342-443 ppm	+444 ppm
Pb 23 ppm	119-166 ppm	167-214 ppm	+215 ppm
Zn 142 ppm	668-930 ppm	931-1193ppm	+1194 ppm
As 14 ppm	136-196 ppm	197-257 ppm	+258 ppm
Ag 0.3 ppm	1.7-2.3 ppm	2.4-3.0 ppm	+3.1 ppm
Au 2 ppb	18-25 ppb	26-33 ppb	+34 ppb

### 3.4 MINERALIZATION & ROCK GEOCHEMISTRY

Rock sample descriptions are presented in Appendix 1.

To date three mineral occurrences have been found on the property.

TABLE 4: - ANOMALOUS ROCK SAMPLES

Sample #	silver ppm	gold ppb	lead ppm	zinc ppm	copper ppm	arsenic ppm
CREEK SHOWING						
5E-4R15	4.80 oz/ton	31	9.76%	4.42%	3348	360
5E-4R16	1.28 oz/ton	15	2.40%	2.60%	986	177
5E-4R17	6.59 oz/ton	35	9.41%	5.70%	1.86%	173
5E-4R18	4.1	7	1751	1532	231	
5E-4R19	15.3		5933	3474	1215	
SCREAMER SHOWING						
5E-5R9	1.90 oz/ton	35	145	591	9057	
5E-5R10	2.94 oz/ton	25	407	1551	2.96%	
5E-5R11	3.9	9	2268	3793	208	
5E-6R5	1.7		480	2002		
5E-12R1	28.5	13	3126	2.33%		
5E-12R2	17.1	4	1.61%	2.75%		
GRUNT SHOWING						
5E-10R7	30.1	0.288 oz/ton	155		246	49.93%
5E-5R16	2.3	475			751	
5E-10R3	5.2	5			1015	

The "Creek Showing" in the northwest corner of the claims, is a gossanous, buff grey to greenish grey to white skarn with recrystallized euhedral calcite, siderite, limonitic staining, fine to coarse euhedral galena and sphalerite, massive chalcopyrite, and disseminated cubes of pyrite. Assays of up to 6.59 ounces per ton (226.0 grams per tonne) silver, 9.76% lead, 5.70% zinc and 1.86% copper have been returned from grab samples of the showing. The showing consists of scattered subcrop over an area of 2 by 5 meters and is

contained within a 2 meter wide band of marble in quartz-muscovite-biotite schist. A small shear zone runs roughly perpendicular to the marble band and it is believed that this shear zone might have been the conduit for the sulphide bearing solutions and that the marble was the medium for sulphide dumping.

Two samples in the area of the "Creek Showing" are anomalous in copper, lead, zinc and silver. The first sample occurs 250 meters downstream and consists of a conglomerate with rhyolitic and dacitic fragments within a matrix of ferricrete. The second sample occurs 400 meters downstream and consists of a rhyolitic dyke related to steeply dipping parallel shears.

The "Screamer Showing" is located in the southwest portion of the claims and consists of dark brown to black, wad stained, magnetite and chlorite veins, with sericitic and chloritic envelopes within quartz feldspar porphyry. Sulphides include sphalerite, bornite, galena and pyrrhotite. Assays of up to 2.94 ounces per ton (100.8 grams per tonne) silver, 2.96% copper, 1.61% lead and 2.75% zinc have been returned from the showing. The veins strike predominantly 020 and dip near vertical.

The "Grunt Showing" is located in the east central portion of the claims, and consists of a pod of massive arsenopyrite up to 0.25 meters wide and traceable for about one meter. A high grade sample assayed 49.93% arsenic and 0.288 ounces per ton gold. The showing occurs along the contact between marble and quartz-biotite-muscovite schist of the Yukon Group.

Two other samples are anomalous in the area of the "Grunt Showing." The first sample consists of a rusty pyritic band within quartz-biotite-muscovite schist and is anomalous in gold (475 ppb) copper (751 ppm) and silver (2.3 ppm). The second sample consists of massive pyrrhotite and contains 1015 ppm copper and 5.2 ppm silver.

### 3.5 STREAM SEDIMENT GEOCHEMISTRY

The strongest stream sediment anomalies occur in the south facing creek that drains the northwest corner of the property and the "Creek Showing." All four 1988 samples are strongly anomalous in lead and zinc as well as anomalous in copper, silver and/or arsenic. The GSC sample from the same stream is anomalous in lead.

One GSC sample draining the cirque on the south boundary of the claims is strongly anomalous in copper and zinc.

No other strong anomalies exist on the property, however ten streams from the 1988 program and three streams from the GSC

program are anomalous in copper, lead, zinc, silver and/or arsenic.

TABLE 5: - ANOMALOUS STREAM SEDIMENT SAMPLES

Sample #	copper ppm	lead ppm	zinc ppm	arsenic ppm	silver ppm
5E-4L9	70	146	340		0.8
5E-4L10	77	113	336		0.7
5E-4L11	56	114	360	45	0.5
5E-7L1	68	121	347	33	
5E-4L1					0.5
5E-4L2					0.5
5E-4L5	65	41	198		0.5
5E-4L6	57	56	255		
5E-4L7					0.5
5E-4L8	93		270		0.8
5E-4L13		50	166		
5E-5L3	54		151		
5E-5L4	58	31	154		
5E-12L1	56		157		
GSC 1		31			
GSC 2	50			43	
GSC 3	130		440		
GSC 4	53				
GSC 5	70		180	29	

### 3.6 TALUS FINES GEOCHEMISTRY

The largest cluster of anomalies occurs in the vicinity of the "Screamer Showing" in the southwest corner of the claims, and consists of four samples anomalous in predominantly lead ( $\leq 752$  ppm) as well as zinc ( $\leq 1664$  ppm), silver ( $\leq 2.0$  ppm) and gold ( $\leq 42$  ppb). Two hundred meters to the northeast is a cluster of two samples anomalous in lead ( $\leq 965$  ppm) and elevated in zinc ( $\leq 581$  ppm) and silver ( $\leq 1.4$  ppm). These two samples are below some gossanous outcrops. Another 400 meters east are two more samples anomalous in lead ( $\leq 371$  ppm) and elevated in zinc ( $\leq 509$  ppm) and silver ( $\leq 1.0$  ppm). Three hundred meters to the northwest of the "Screamer Showing" is one sample taken from a fault zone that is anomalous in gold (46 ppb) and arsenic (618 ppm).

Also in the southwest corner of the claims are seven spot gold anomalies ( $\leq 293$  ppb) as well as one sample anomalous in silver (3.2 ppm) and gold (27 ppb) and at the threshold for lead (140 ppm) and elevated in copper (132 ppm).

In the vicinity of the "Creek Showing" in the northwest portion of the claims is one sample anomalous in copper (344 ppm), lead (2681 ppm), zinc (1678 ppm) and silver (5.8 ppm).

Five hundred meters downstream are two samples anomalous in gold ( $\leq 83$  ppb) and elevated in silver ( $\leq 1.0$  ppm).

Also in the northwest corner of the claims are five spot anomalies. Two samples are anomalous in gold ( $\leq 53$ ), one sample is at the threshold for gold (19 ppb), one sample is at the threshold for lead (134 ppm) and one sample is at the threshold for zinc (666 ppm).

The remaining portions of the claim contain five spot anomalies including one strong lead (280 ppm), zinc (2292 ppm) and silver (3.5 ppm) anomaly, one strong gold (285 ppb) anomaly and one copper (352 ppm) anomaly. The remaining two samples are at the threshold for gold ( $\leq 25$  ppb). Twelve samples are elevated in copper ( $>100$  ppm).

#### 4. DISCUSSION

Mineralized showings, talus fines geochemistry and stream sediment geochemistry all point to the west portion of the claim block as being the most interesting area. Gold values are low at both the "Screamer" and "Creek" showings, however gold anomalies exist in both areas and warrant further follow up work. Although both showings are fairly small, they indicate the presence of hydrothermal solutions and mineralized structures. Geologically, both showings occur within or close to Skukum Group volcanics and high level intrusives. Although other anomalies and the "Grunt" showing exist on the property, these anomalies are all rather spotty.

#### 5. CONCLUSIONS AND RECOMMENDATIONS

Geological prospecting and mapping as well as stream sediment, talus fines and rock geochemistry was the focus of exploration activity on the WAT group of mineral claims during the summer of 1988.

The WAT claims are on the edge of the Mount Skukum Volcanic Complex. There are numerous epithermal and mesothermal style gold-silver-lead-zinc-arsenic-antimony showings and deposits within this complex and the potential for finding similar mineral deposits is good.

The west end of the claims contain two mineralized copper-lead-zinc-silver showings as well as multi-element talus fines and stream sediment anomalies. Assays of 6.59 ounces per ton (226.0 gm./tonne) silver, 9.76% lead, 5.70% zinc and 2.96% copper have been returned from the "Creek Showing" and 2.94 ounces per ton (100.8 grams per tonne) silver, 2.96% copper, 2.75% zinc and 1.61% lead from the "Screamer Showing."

One pod of arsenopyrite was found in the central portion of the claims that assayed 49.93% arsenic and 0.288 ounces per

ton (9.88 grams per tonne) gold. There is no talus fines geochemical signature of this anomaly.

Additional prospecting and mapping of the "Screamer, Creek and Grunt" showings and the western portion of the claim block is recommended. Further talus fines sampling is warranted in these areas as well. Some follow up prospecting of the spotty anomalies on the rest of the property is also recommended.

6. REFERENCES

- 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.
- 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
- Smith, M.J., 1983. The Skukum Volcanic Complex, 105D SW, Geology and comparison of the Bennett Lake Cauldron Complex; Department of Indian and Northern Affairs Canada; Yukon Exploration and Geology, 1982, p. 68-72.
- 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:	13 days @ 265. per day.	\$3445.00
Geologist:	7 days @ 220. per day.	\$1540.00
Geologist:	4 days @ 175. per day.	\$ 700.00
Field Assistants:	14 days @ 110. per day.	\$1540.00
Room and Board:	33 days @ 50. per day.	\$1650.00
Truck Rental:		
	8 days @ \$60. per day.	\$ 480.00
Analytical Costs:		
Talus Fines:	349 @ \$ 9.85 per sample.	\$3437.65
Silt Samples:	22 @ \$ 9.85 per sample.	\$ 216.70
Rock Samples:	67 @ \$12.00 per sample.	\$ 804.00
Rock Samples (Assays):		\$ 86.00
Shipping Costs:		\$ 250.00
Helicopter Costs:		
	Hughes 500D:	\$4801.90
Drafting Costs:		
		\$ 480.00
Miscellaneous Costs:		
		\$ 400.00
-----		
<u>TOTAL EXPLORATION COSTS:</u>		<u>\$19,831.25</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 WAT claims program.
- 4) I was involved with the work performed on the WAT 1 - 140 Claims in summer of 1988 and am co-author of this report.

Dated this twenty-first day of January, 1989.

  
-----  
Andrew L. Wilkins B.Sc.

APPENDIX 1: - SAMPLE DESCRIPTIONS.

SKUKUM GOLD INC. - SAMPLE DESCRIPTIONS

PROJECT: WAT CLAIMS - SE  
SAMPLER: Hugh MacKinnon (HFM)

SAMPLE NUMBER	DATE	LOCATION	SAMPLE DESCRIPTIONS
SE-SR1	July 4/88	SW Corner of Prop.	Black, limonitic, yellow to orange weathered, biotite-hornblende gneiss - Yukon Group metasediments.
SE-SR2	"	"	Orange brown rusty weathered buff light green to white fresh faced rhyolite. 7% fx phenos partly alt'd to sericite-clay and epidote.
SE-SR3	"	"	Orangish, gossanous, weathered rhyolite. Very rusty fractured surfaces, white to grey on fresh surfaces.
SE-SR4	"	"	Rusty weathered crumbly limonitic, very porous, slight chlorite alt'd rhyolite, minor quartz stringers.
SE-SF1	"	"	Vuggy, crumbly, limonitic rhyolite with quartz stringers minor boxwork.
SE-SR5	July 5/88	"	Rusty weathered, pyritic, alt'd rhyolite. White to grey bleached fresh face with 4% 1-5mm. euhedral pyrite and 3% very fine grained pyrite, trace of relict sericite, some limonitic vugs.

SKUKUM GOLD INC. - SAMPLE DESCRIPTIONS

PROJECT: WAT-SE  
SAMPLER: H.F.M.

SAMPLE NUMBER	DATE	LOCATION	SAMPLE DESCRIPTIONS
SE - SR6	July 5/88	SW corner of claims	Rusty weathered, silicified and partially chloritized rhyolite tuff. Dark grey fresh face with relict 1-6mm. fragments.
SE - SR7	"	"	Very rusty weathered weakly silicified rhyolitic lapilli tuff, minor quartz stringers.
SE - SF2	July 7/88	"	Smoky crystalline quartz veins in weakly limonitic weathered QFP - minor wad.
SE - SF3	"	"	Buff light brown weathered light grey fresh faced, quartz veined, brecciated QFP - minor limonite and wad.
SE - SR8	"	"	Chlorite and quartzite breccia. Quartz rich gneiss. Fractured and brecciated with chlorite healing fractures, trace pyrite minor limonite.
SE - SF4	"	"	Weakly sericitized and chloritized QFP with disseminated pyrite and pyrite stringers, trace arsenopyrite?
SE - SF5	"	"	Bleached white, argillic, sericite & silica alteration - quartz veined QFP with trace pyrite.

## SKUKUM GOLD INC. - SAMPLE DESCRIPTIONS

PROJECT: WAT - SE  
 SAMPLER: H.F.M.

SAMPLE NUMBER	DATE	LOCATION	SAMPLE DESCRIPTIONS
SE-SR9	July 8/88	SW corner of claim Screamer showing	Magnetite + sphalerite + bornite vein with azurite and malachite staining - 30cm wide - minor chlorite and tremolite.
SE-SR10	"	"	Magnetite - sphalerite - galena - bornite vein - malachite and azurite staining.
SE-SR11	"	"	Magnetite - sphalerite - galena vein with minor malachite staining.
SE-SR12	Sept 13/88	Central part of claim.	Pyritic quartz-chlorite bands in muscovite schist in marble trace chalcopyrite (?).
SE-SR13	"	"	In gully fault zone - fine grained pyrite in very fine black shale.
SE-SR14	"	"	Very gossanous band, 1/2 meter below marble contact, trace to 1% pyrite, trace chalcopyrite, minor malachite staining - up to 75 cm wide.
SE-SR15	"	"	Very gossanous, pyritic schists with pyrrhotite veinlets, pyrite - up to 10% dis. throughout. Skarnoid with minor fuchsite (?) schists.

## SKUKUM GOLD INC. - SAMPLE DESCRIPTIONS

PROJECT: WAT - SESAMPLER: H.F.M. & Pat Varas (P.V.) & Erik Bergvinson (EB)

SAMPLE NUMBER	DATE	LOCATION	SAMPLE DESCRIPTIONS
SE-SR16	Sept 13/88	Central Claims	Rusty pyritic band of quartz minor sericite and chlorite in muscovite schist.
SE-6R1	July 4/88	S.W. corner of claims	Rusty orange <del>the</del> weathered hornblende biotite greiss
SE-6R2	"	"	As above
SE-6R3	"	"	As above.
SE-6F1	July 5/88		White <del>the</del> calcareous float, rarely chloritized, lacks sulphides, vuggy.
SE-6R4	"	"	Strong rusty orange-dacitic to andesitic dyke
SE-6R5	July 9/88		Yellowish to black metallic sheen. magnetite along fracture surfaces galena & malachite in QFP.
SE-6R6	"	"	As above.
SE-6R7	"	"	Rusty to dark reddish brown <del>the</del> weathered vuggy dacite porphyry
SE-6R8	"	"	Reddish Orange weathered bleached rhyolite - 3% pyrite.
SE-10R1	Sept 13/88	Central Claims	Quartz sweet in marble - trace pyrite & chalcopyrite (?) - 30cm wide
SE-10R2	"	"	Quartz - pyrite - sericite band 30cm wide.
SE-10R3	"	"	Massive phypyrrotite in marble schist.

SKUKUM GOLD INC. - SAMPLE DESCRIPTIONS

PROJECT: WAT CLAIMS  
 SAMPLER: EB - ANDREW WILKINS (ALW)

SAMPLE NUMBER	DATE	LOCATION	SAMPLE DESCRIPTIONS
SE-10R4	Sept 13/88	Central Claims	Massive pyrrhotite and magnetite in (skarn?) - 30cm wide.
SE-10R5	"	"	Pyrite and pyrrhotite - gossanous.
SE-10R6	"	"	As above.
SE-10R7	"	"	Massive arsenopyrite at contact between schist and marble 30 cm wide and 1 meter long.
SE-4R1	July 4/88	Northwest end of claims.	"Stinky" Quartz vein, 15cm wide, glassy white - weak foliation, in quartzite.
SE-4R2	"	"	Magnetite skarn - calcareous, greenish colour, gossanous fine dis pyrite.
SE-4R3	July 5/88	"	30 cm wide quartz vein - bull white quartz sweat in Yukon Group.
SE-4R4	"	"	"
SE-4R5	"	"	Gossanous, siliceous rhyolite with 10% disseminated pyrite
SE-4R6	July 7/88	East end of claims	Quartz-feldspar pegmatite vein - minor dis. pyrite - host rock - Yukon Group.
SE-4R7	"	"	As above.
SE-4R8	"	"	As above.

SKUKUM GOLD INC. - SAMPLE DESCRIPTIONS

PROJECT: WAT CLAIMS - SE  
SAMPLER: ALW.

SAMPLE NUMBER	DATE	LOCATION	SAMPLE DESCRIPTIONS
SE-4R9	July 7/88	East end of claims	Pegmatite vein as above.
SE-4R10	"	"	Bull white quartz vein in Yukon group 140/62 SW.
SE-4R11	"	"	10 cm. wide quartz vein in biotite-quartz schist with box work weathering.
SE-4R12	"	"	1/2 meter wide bull white quartz vein.
SE-4R13	July 8/88	West end of claims.	1.5 meter wide quartz vein - bull white, small vugs, minor sericite - quite gossanous
SE-4R14	"	"	10 cm wide quartz-pyrite-chlorite minor sericite vein (10% pyrite) along shear in andesite dyke.
SE-4R15	"	"	"Creek Showing" - gossanous skarn, buff grey to greenish grey to white, brecciated with recrystallized calcite some euhedral calcite crystals, siderite minor quartz, limonite with fine to coarse grained crystals of galena ( $\leq 20\%$ ), massive chalcopryite ( $\leq 10\%$ ), cubes of pyrite ( $\leq 2\%$ ). The showing is confined to a band of marble up to 2 meters wide.

SKUKUM GOLD INC. - SAMPLE DESCRIPTIONS

PROJECT: WAT CLAIMS - SE  
SAMPLER: ALW.

SAMPLE NUMBER	DATE	LOCATION	SAMPLE DESCRIPTIONS
SE-4R16	July 8/88	West end of claims	"Creek Showing" - as above
SE-4R17	"	"	" "
SE-4R18	"	"	Gossanous conglomerate, rhyolite to dacite fragments in a limonitic matrix (ferricrete)
SE-4R19	"	"	Gossanous rhyolitic dyke - 10% dis. pyrite and/or pyrrhotite siliceous and bleached.
SE-4R20	"	"	Gossanous sericitic clay alt'n of volcanics - bleached - 5% dis. pyrite - sheared.
SE-4R21	"	"	Gossanous rhyolite
SE-4F1	July 9/88	North central	Rhyolite dyke with 10% dis. Pyrite.
SE-4R22	Sept 13/88	South west end.	Gossanous volcanic breccia with dis. pyrite, angular rhyolite frags up to 2cm in a dark grey matrix with dis. pyrite.
SE-4R23	"	"	Pyritic volcanics - 5% dis. py in basaltic looking flows.
SE-4R24	"	"	Extremely gossanous and pyritic rhyolitic dyke brecciated - quartz sericite alt'n



APPENDIX 21 - 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. 14/88*

### ASSAY CERTIFICATE

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

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

SKUKUM GOLD INC. PROJECT-5E FILE # 88-2624R

SAMPLE#	Cu %	Pb %	Zn %	Ag** OZ/T
<i>5E</i> 88-5 <del>E</del> -4R-15	-	9.76	4.42	4.80
88-5 <del>E</del> -4R-16	-	2.40	2.60	1.28
88-5 <del>E</del> -4R-17	1.86	9.41	5.70	6.59
88-5 <del>E</del> -5R-9	-	-	-	1.90
88-5 <del>E</del> -5R-10	2.96	-	-	2.94
88-5 <del>E</del> -12R-1	-	-	2.33	-
88-5 <del>E</del> -12R-2	-	1.61	2.75	-

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: NOV 8 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *Nov 17/88*

### ASSAY CERTIFICATE

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

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

SKUKUM GOLD INC. PROJECT 5E FILE # 88-4535R

SAMPLE#	As %	Au** OZ/T
88-5E-10R-7	49.93	.288

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

DATE RECEIVED: SEP 13 1988

DATE REPORT MAILED: *Sept 19/88*

**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: P1-P3 SOIL P4 SILT 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 *9 & 5E* FILE # 88-4438 Page 1 *WAT Claims*

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
88-5E-7S-1	53	6	120	.2	30	2	1
88-5E-7S-2	53	5	98	.3	15	3	1
88-5E-7S-3	45	4	169	.2	7	2	2
88-5E-7S-4	41	6	91	.3	11	2	1
88-5E-7S-5	96	6	196	.5	17	2	3
88-5E-7S-6	43	5	127	.2	8	2	1
88-5E-7S-7	61	6	135	.2	13	2	5
88-5E-7S-8	103	13	221	.6	18	3	13
88-5E-7S-9	91	13	212	.5	12	2	1
88-5E-7S-10	85	9	262	.4	15	2	1
88-5E-7S-11	75	15	183	.4	17	3	1
88-5E-7S-12	65	12	161	.2	13	2	2
88-5E-7S-13	69	17	183	.2	83	2	285
88-5E-7S-14	77	14	173	.3	31	2	7
88-5E-7S-15	164	11	252	.4	28	2	10
88-5E-7S-16	58	14	248	.1	31	2	23
88-5E-7S-17	63	14	165	.3	25	2	1
88-5E-7S-18	67	19	214	.3	70	2	2
88-5E-7S-19	65	20	136	.3	22	2	1
88-5E-7S-20	63	14	224	.2	25	2	5
88-5E-7S-21	47	11	143	.1	22	2	1
88-5E-7S-22	72	13	146	.4	19	2	2
88-5E-7S-23	64	15	191	.1	21	2	8
88-5E-7S-24	69	17	157	.2	62	2	14
88-5E-7S-25	59	21	244	.2	32	2	1
88-5E-7S-26	74	17	206	.3	22	2	2
88-5E-7S-27	74	9	81	.6	27	2	3
88-5E-7S-28	66	23	285	.1	52	2	1
88-5E-7S-29	54	20	486	.1	21	2	2
88-5E-7S-30	48	23	221	.1	24	2	4
88-5E-7S-31	40	28	327	.3	35	2	1
88-5E-7S-32	32	20	190	.2	11	2	2
88-5E-7S-33	25	19	335	.1	10	2	3
88-5E-7S-34	30	25	468	.2	29	2	4
88-5E-7S-35	29	19	377	.1	15	2	5
88-5E-7S-36	20	20	345	.1	12	2	4
STD C/AU-S	58	41	132	6.6	42	17	48

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: JULY 12 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED:

*July 19/88.*

### 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: P1-P8 SOIL P9 SILT P10-P11 ROCK AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

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

36  
7  
252  
24

SKUKUM GOLD INC. PROJECT-5E *WAT claims* File # 88-2624 Page 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPE
88-5E-4S-1	10	55	150	.1	7	1
88-5E-4S-2	48	51	125	.2	7	1
88-5E-4S-3	188	34	490	.5	16	1
88-5E-4S-4	137	13	666	.2	11	1
88-5E-4S-5	51	32	143	.4	5	1
88-5E-4S-6	52	15	92	.3	4	1
88-5E-4S-7	52	10	101	.2	4	3
88-5E-4S-8	95	22	153	.1	8	1
88-5E-4S-9	50	37	151	.3	7	1
88-5E-4S-10	86	38	203	.4	43	19
88-5E-4S-11	121	31	156	.2	15	1
88-5E-4S-12	30	31	162	.1	4	2
88-5E-4S-13	25	28	126	.2	3	1
88-5E-4S-14	18	55	105	.2	7	1
88-5E-4S-15	18	28	93	.1	7	1
88-5E-4S-16	12	17	98	.1	6	1
88-5E-4S-17	9	28	104	.1	6	1
88-5E-4S-18	11	21	95	.2	4	1
88-5E-4S-19	23	25	100	.1	8	2
88-5E-4S-20	9	21	102	.1	2	1
88-5E-4S-21	10	24	102	.1	2	1
88-5E-4S-22	22	55	142	.2	8	1
88-5E-4S-23	10	36	112	.1	4	1
88-5E-4S-24	14	45	124	.2	9	1
88-5E-4S-25	20	36	146	.1	6	1
88-5E-4S-26	14	43	118	.1	7	2
88-5E-4S-27	15	43	106	.1	13	2
88-5E-4S-28	13	31	96	.1	13	1
88-5E-4S-29	15	24	97	.2	13	53
88-5E-4S-30	14	31	119	.1	5	1
88-5E-4S-31	14	41	96	.2	23	1
88-5E-4S-32	344	2681	1678	5.8	74	1
88-5E-4S-32A	24	53	140	.1	18	1
88-5E-4S-33	26	75	248	.2	23	2
88-5E-4S-34	10	52	97	1.0	117	83
88-5E-4S-35	35	65	203	.9	70	37
88-5E-4S-36	28	41	185	.1	12	1
STD C/AU-S	58	37	132	7.2	43	48

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-4S-37	22	46	354	.2	19	1
88-5E-4S-38	38	134	366	.1	33	1
88-5E-4S-39	15	65	265	.1	14	1
88-5E-4S-40	12	100	134	.1	26	1
88-5E-5S-1	28	36	210	.3	2	2
88-5E-5S-2	132	140	155	3.2	106	27
88-5E-5S-3	3	19	70	.1	2	1
88-5E-5S-4	11	37	222	.1	6	2
88-5E-5S-5	12	36	214	.1	6	1
88-5E-5S-6	1	20	68	.1	3	1
88-5E-5S-7	9	28	211	.1	2	1
88-5E-5S-8	12	27	87	.1	2	1
88-5E-5S-9	6	17	61	.1	3	34
88-5E-5S-10	9	13	63	.1	2	2
88-5E-5S-11	8	10	65	.1	2	1
88-5E-5S-12	8	8	66	.1	3	1
88-5E-5S-13	17	22	83	.1	2	1
88-5E-5S-14	10	10	63	.1	2	2
88-5E-5S-15	6	21	73	.1	2	1
88-5E-5S-16	10	17	62	.1	2	1
88-5E-5S-17	13	47	136	.1	4	1
88-5E-5S-18	16	27	167	.8	2	293
88-5E-5S-19	19	11	92	.1	2	50
88-5E-5S-20	6	53	117	.1	11	1
88-5E-5S-21	9	118	117	.1	12	5
88-5E-5S-22	16	146	164	1.8	35	42
88-5E-5S-23	131	68	116	1.4	618	46
88-5E-6S-1	45	5	127	.1	4	1
88-5E-6S-2	41	13	150	.2	3	1
88-5E-6S-3	40	10	141	.1	2	2
88-5E-6S-4	58	10	220	.1	4	1
88-5E-6S-5	78	14	127	.1	5	1
88-5E-6S-6	93	12	125	.3	4	1
88-5E-6S-7	46	7	79	.1	5	2
88-5E-6S-8	56	13	77	.2	3	1
88-5E-6S-9	56	9	69	.1	2	1
STD C/AU-S	59	42	132	6.6	43	49

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-6S-10	62	9	70	.1	3	1
88-5E-6S-11	64	7	82	.1	2	4
88-5E-6S-12	62	47	471	.4	10	39
88-5E-6S-13	34	10	92	.1	3	1
88-5E-6S-14	31	4	101	.2	3	1
88-5E-6S-15	32	8	75	.1	2	3
88-5E-6S-16	45	11	74	.2	4	13
88-5E-6S-17	23	13	88	.1	3	1
88-5E-6S-18	11	7	77	.1	3	1
88-5E-6S-19	22	31	297	.4	2	2
88-5E-6S-20	14	10	68	.1	2	1
88-5E-6S-21	9	15	67	.1	2	1
88-5E-6S-22	8	7	61	.1	2	2
88-5E-6S-23	7	8	109	.1	2	1
88-5E-6S-24	6	11	59	.1	2	5
88-5E-6S-25	10	30	160	.1	3	1
88-5E-6S-26	10	21	161	.1	2	1
88-5E-6S-27	24	36	183	.2	7	1
88-5E-6S-28	1	17	63	.1	2	1
88-5E-6S-29	1	20	70	.1	2	2
88-5E-6S-30	2	55	129	.1	3	1
88-5E-6S-31	1	14	119	.1	2	1
88-5E-6S-32	7	71	185	.2	6	1
88-5E-9S-1	7	14	62	.1	3	2
88-5E-9S-2	6	17	67	.1	2	1
88-5E-9S-3	9	23	103	.1	4	1
88-5E-9S-4	14	26	93	.2	11	1
88-5E-9S-5	6	23	-	-	-	-
88-5E-9S-6	9	20	92	.1	4	1
88-5E-9S-7	6	23	73	.1	2	1
88-5E-9S-8	6	27	96	.1	2	1
88-5E-9S-9	4	21	124	.3	2	1
88-5E-9S-10	14	21	120	.2	3	2
88-5E-9S-11	11	26	196	.3	2	1
88-5E-9S-12	17	31	294	.5	5	1
88-5E-9S-13	7	22	124	.2	12	1
STD C/AU-S	57	38	132	6.7	38	50

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-9S-14	12	21	155	.4	2	1
88-5E-9S-15	10	19	132	.1	2	1
88-5E-9S-16	24	45	420	.4	5	1
88-5E-9S-17	28	39	231	.3	5	1
88-5E-9S-18	17	32	149	.2	6	1
88-5E-9S-19	15	18	142	.1	2	1
88-5E-9S-20	47	13	129	.4	8	1
88-5E-9S-21	63	10	152	.4	7	1
88-5E-9S-22	31	6	98	.2	3	1
88-5E-9S-23	42	31	181	.1	8	1
88-5E-9S-24	32	14	134	.2	7	1
88-5E-9S-25	28	14	126	.3	2	1
88-5E-9S-26	25	21	137	.1	2	1
88-5E-9S-27	25	17	130	.3	5	1
88-5E-9S-28	43	23	159	.2	4	1
88-5E-9S-29	41	18	212	.2	7	1
88-5E-9S-30	32	20	171	.4	5	3
88-5E-9S-31	38	11	123	.2	2	1
88-5E-9S-32	38	18	226	.4	9	1
88-5E-9S-33	34	15	147	.2	8	1
88-5E-9S-34	38	17	141	.3	2	1
88-5E-9S-35	27	11	121	.2	4	1
88-5E-9S-36	36	16	139	.3	2	1
88-5E-9S-37	27	9	124	.3	4	1
88-5E-9S-38	31	16	118	.1	5	1
88-5E-9S-39	24	34	162	.3	5	3
88-5E-9S-40	21	28	182	.1	4	1
88-5E-9S-41	31	27	300	.2	6	1
88-5E-9S-42	33	62	316	.6	13	1
88-5E-9S-43	14	22	161	.1	2	1
88-5E-9S-44	20	35	246	.2	11	1
88-5E-9S-45	28	105	499	.9	6	4
88-5E-9S-46	20	57	251	.5	16	3
88-5E-9S-47	16	45	220	.1	15	5
88-5E-9S-48	12	36	154	.1	19	10
88-5E-9S-49	18	47	202	.4	21	2
STD C/AU-S	58	37	132	7.2	40	47

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-9S-50	11	22	134	.4	13	1
88-5E-9S-51	11	12	110	.2	9	2
88-5E-9S-52	24	30	212	.5	28	1
88-5E-9S-53	24	32	192	.4	8	1
88-5E-9S-54	60	29	350	.3	10	1
88-5E-9S-55	73	280	2292	3.5	12	1
88-5E-9S-56	27	11	112	.4	3	1
88-5E-9S-57	25	28	187	.3	8	1
88-5E-9S-58	19	39	164	.1	7	1
88-5E-9S-59	21	8	124	.5	7	1
88-5E-9S-60	21	24	147	.3	6	1
88-5E-9S-61	29	17	102	.3	5	1
88-5E-9S-62	35	21	109	.4	5	2
88-5E-9S-63	53	15	90	.2	5	1
88-5E-9S-64	34	7	68	.3	5	1
88-5E-9S-65	37	19	126	.5	9	1
88-5E-9S-66	49	4	78	.3	2	2
88-5E-9S-67	38	5	67	.2	2	1
88-5E-9S-68	41	6	78	.1	2	1
88-5E-9S-69	46	2	89	.1	4	1
88-5E-9S-70	69	23	128	.6	4	1
88-5E-9S-71	142	23	304	.6	12	3
88-5E-9S-72	90	80	360	.5	7	1
88-5E-9S-73	73	54	249	.4	9	1
88-5E-9S-74	52	21	141	.1	9	1
88-5E-9S-75	72	29	306	.2	7	1
88-5E-9S-76	98	19	197	.5	14	2
88-5E-9S-77	90	19	176	.7	12	1
88-5E-9S-78	96	27	271	.5	9	1
88-5E-9S-79	114	13	339	.6	13	1
88-5E-9S-80	118	12	164	.4	5	1
88-5E-9S-81	84	19	134	.7	9	1
88-5E-9S-82	118	14	198	.7	17	2
88-5E-9S-83	106	20	166	.6	12	1
88-5E-9S-84	102	23	162	.6	17	3
88-5E-9S-85	114	17	160	.7	12	1
STD C/AU-S	60	39	132	7.1	41	50

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-9S-86	143	17	153	.5	16	1
88-5E-9S-87	76	18	77	.3	30	3
88-5E-9S-88	173	40	207	.5	23	1
88-5E-9S-89	82	23	113	.2	12	5
88-5E-9S-90	114	26	123	.5	45	7
88-5E-9S-91	54	16	92	.3	23	1
88-5E-9S-92	60	25	84	.4	23	5
88-5E-9S-93	31	10	66	.1	13	1
88-5E-9S-94	52	19	185	.2	38	4
88-5E-9S-95	26	8	58	.1	23	2
88-5E-9S-96	57	25	112	.4	57	25
88-5E-9S-97	26	5	42	.1	12	1
88-5E-9S-98	41	15	78	.1	18	1
88-5E-9S-99	44	5	54	.2	12	1
88-5E-9S-100	41	11	72	.1	11	1
88-5E-9S-101	50	14	80	.1	20	3
88-5E-9S-102	58	17	106	.2	12	1
88-5E-9S-103	61	15	92	.2	8	3
88-5E-9S-104	113	16	143	.3	13	1
88-5E-9S-105	182	19	125	.6	15	2
88-5E-9S-106	74	15	121	.4	13	1
88-5E-9S-107	32	8	53	.4	18	1
88-5E-9S-108	37	8	84	.1	12	1
88-5E-9S-109	46	12	92	.3	12	2
88-5E-9S-110	76	20	150	.3	15	1
88-5E-9S-111	53	11	120	.3	24	1
88-5E-9S-112	84	12	259	.6	21	5
88-5E-9S-113	68	12	170	.3	18	1
88-5E-9S-114	52	13	125	.3	22	1
88-5E-9S-115	65	16	70	.3	76	2
88-5E-9S-116	15	33	154	.2	5	1
88-5E-9S-117	17	20	184	.2	9	1
88-5E-9S-118	35	15	137	.3	9	1
88-5E-9S-119	27	36	180	.1	8	2
88-5E-9S-120	36	20	134	.1	4	1
88-5E-9S-121	22	20	128	.2	2	1
STD C/AU-S	57	38	132	7.2	41	48

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-9S-122	18	24	133	.2	2	1
88-5E-9S-123	31	23	142	.5	2	1
88-5E-9S-124	18	17	123	.1	2	1
88-5E-9S-125	20	28	154	.2	4	1
88-5E-9S-126	21	26	141	.2	2	1
88-5E-9S-127	19	26	129	.2	3	1
88-5E-9S-128	25	35	201	.6	7	1
88-5E-9S-129	30	42	224	.8	7	1
88-5E-9S-130	26	38	179	.5	6	1
88-5E-9S-131	21	24	117	.2	2	1
88-5E-9S-132	23	28	119	.2	2	1
88-5E-9S-133	37	37	140	.6	4	1
88-5E-12S-1	16	27	72	.1	2	1
88-5E-12S-2	21	19	61	.1	2	1
88-5E-12S-3	16	37	101	.1	2	1
88-5E-12S-4	82	32	170	.2	2	1
88-5E-12S-5	63	30	180	.2	5	1
88-5E-12S-6	63	26	163	.1	2	1
88-5E-12S-7	100	18	210	.5	9	1
88-5E-12S-8	50	26	188	.5	7	1
88-5E-12S-9	88	17	205	.5	17	2
88-5E-12S-10	13	29	180	.1	2	1
88-5E-12S-11	10	28	264	.1	3	1
88-5E-12S-12	13	34	154	.1	2	6
88-5E-12S-13	22	26	160	.2	2	1
88-5E-12S-14	32	27	178	.1	3	4
88-5E-12S-15	16	21	99	.2	2	1
88-5E-12S-16	6	40	94	.1	4	3
88-5E-12S-17	7	73	118	.1	5	1
88-5E-12S-18	12	58	190	.1	19	1
88-5E-12S-19	10	44	107	.1	7	1
88-5E-12S-20	10	69	109	.2	37	4
88-5E-12S-21	10	32	102	.2	10	1
88-5E-12S-22	7	38	104	.1	9	1
88-5E-12S-23	13	42	111	.1	6	1
88-5E-12S-24	11	46	104	.1	14	1
STD C/AU-S	57	42	132	6.5	40	52

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-12S-25	12	54	103	.2	8	2
88-5E-12S-26	51	752	1664	2.0	28	14
88-5E-12S-27	31	174	325	.7	41	16
88-5E-12S-28	16	39	103	.1	2	2
88-5E-12S-29	19	38	138	.5	3	1
88-5E-12S-30	13	36	129	.6	4	1
88-5E-12S-31	25	55	221	.4	2	1
88-5E-12S-32	24	64	209	.7	2	1
88-5E-12S-33	23	50	160	.1	4	2
88-5E-12S-34	16	337	422	.5	6	1
88-5E-12S-35	28	65	336	.6	8	1
88-5E-12S-36	19	81	430	.7	25	2
88-5E-12S-37	64	965	581	1.4	58	2
88-5E-12S-38	58	98	268	.5	15	1
88-5E-12S-39	25	54	177	.5	15	17
88-5E-12S-40	31	48	176	.3	8	1
88-5E-12S-41	24	50	200	.3	5	1
88-5E-12S-42	29	98	260	.6	6	1
88-5E-12S-43	20	41	146	.3	5	2
88-5E-12S-44	33	73	189	.4	4	1
88-5E-12S-45	25	135	208	.4	8	4
88-5E-12S-46	38	371	509	1.0	18	1
88-5E-12S-47	23	49	161	.3	4	1
STD C/AU-S	58	42	132	6.9	40	52

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-4L-1	20	14	78	.5	4	1
88-5E-4L-2	22	9	71	.5	2	1
88-5E-4L-3	20	13	87	.4	4	1
88-5E-4L-4	28	20	103	.4	4	1
88-5E-4L-5	65	41	198	.5	17	1
88-5E-4L-6	57	56	255	.4	16	2
88-5E-4L-7	24	16	67	.5	5	1
88-5E-4L-8	93	12	270	.8	9	1
88-5E-4L-9	70	146	340	.8	9	1
88-5E-4L-10	77	113	336	.7	14	1
88-5E-4L-11	56	114	360	.5	45	2
88-5E-5L-1	40	16	106	.3	6	1
88-5E-5L-2	49	24	136	.2	8	1
88-5E-5L-3	54	24	151	.4	8	2
88-5E-5L-4	58	31	154	.3	19	4
88-5E-12L-1	56	9	157	.1	7	1
STD C/AU-S	57	43	132	6.9	41	51

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-4F-1	4	7	28	.2	14	1
88-5E-4R-1	4	6	14	.3	2	1
88-5E-4R-2	63	27	98	.5	14	1
88-5E-4R-3	5	4	21	.1	2	1
88-5E-4R-4	1	6	10	.1	3	1
88-5E-4R-5	5	13	100	.2	3	1
88-5E-4R-6	8	11	4	.1	3	1
88-5E-4R-7	3	8	7	.1	2	2
88-5E-4R-8	4	12	9	.2	5	2
88-5E-4R-9	1	7	5	.1	2	1
88-5E-4R-10	1	5	2	.1	6	1
88-5E-4R-11	1	2	5	.2	32	1
88-5E-4R-12	6	2	8	.2	8	1
88-5E-4R-13	17	2	3	.8	5	2
88-5E-4R-14	359	7	43	2.2	5	1
88-5E-4R-15	3348	22800	38887	147.2	360	31
88-5E-4R-16	986	20282	23188	39.3	177	15
88-5E-4R-17	17245	20774	46793	206.5	173	35
88-5E-4R-18	231	1751	1532	4.1	17	7
88-5E-4R-19	1215	5933	3474	15.3	16	1
88-5E-4R-20	9	66	69	.5	25	1
88-5E-4R-21	17	107	77	.3	7	1
88-5E-5F-1	98	110	174	4.0	22	2
88-5E-5F-2	14	25	114	.1	2	1
88-5E-5F-3	24	21	168	.2	3	1
88-5E-5F-4	1	15	13	.1	7	1
88-5E-5F-5	3	121	107	.7	2	3
88-5E-5R-1	55	2	55	1.0	2	4
88-5E-5R-2	14	27	30	.1	2	1
88-5E-5R-3	11	12	33	.1	3	1
88-5E-5R-4	11	17	34	.1	2	141
88-5E-5R-5	4	4	10	.1	2	15
88-5E-5R-6	6	18	45	.1	2	2
88-5E-5R-7	8	11	95	.1	2	2
88-5E-5R-8	13	13	32	.1	2	1
88-5E-5R-9	9057	145	591	60.5	2	35
STD C/AU-R	57	41	131	6.6	38	515

- ASSAY REQUIRED FOR CORRECT RESULT for Cu Pb Zn > 10,000 ppm  
Ag > 35 ppm

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-5R-10	24736	407	1551	87.3	6	25
88-5E-5R-11	208	2268	3793	3.9	2	9
88-5E-6F-1	100	463	878	4.4	3	1
88-5E-6R-1	30	27	80	.5	2	1
88-5E-6R-2	182	18	65	.8	2	1
88-5E-6R-3	63	9	49	.5	6	1
88-5E-6R-4	151	20	135	1.1	4	1
88-5E-6R-5	76	480	2002	1.7	6	2
88-5E-6R-6	10	68	151	.6	17	11
88-5E-6R-7	5	164	192	.8	3	2
88-5E-6R-8	28	62	28	.6	4	1
88-5E-12R-1	62	3126	21312	28.5	4	13
88-5E-12R-2	68	12892	23753	17.1	6	4
STD C/AU-R	58	39	129	6.8	44	525

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

DATE RECEIVED: SEP 15 1988

DATE REPORT MAILED: *Sept. 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 MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: P1 SILT P2-P3 SOIL P4 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 5E FILE # 88-4535 Page 1 WAT CI.

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-4L-12	22	2	108	.1	3	2
88-5E-4L-13	32	50	166	.1	10	3
88-5E-5L-5	46	17	99	.1	9	2
88-5E-5L-6	47	12	90	.1	11	2
88-5E-5L-7	47	10	80	.1	14	1
88-5E-7L-1	68	121	347	.2	33	2
STD C	62	44	132	6.8	40	-

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-4S-41	10	43	56	.1	104	1
88-5E-4S-42	22	47	107	.1	104	16
88-5E-4S-43	105	13	131	.5	59	43
88-5E-5S-24	15	12	59	.1	12	1
88-5E-5S-25	38	14	101	.1	13	1
88-5E-5S-26	11	8	35	.2	7	1
88-5E-5S-27	31	12	84	.1	10	6
88-5E-5S-28	34	10	80	.1	16	1
88-5E-5S-29	88	17	105	.3	12	3
88-5E-5S-30	352	11	74	.3	17	1
88-5E-5S-31	99	11	117	.1	19	2
88-5E-7S-37	20	21	170	.1	7	1
88-5E-7S-38	33	23	268	.1	9	1
88-5E-7S-39	19	18	176	.1	6	1
88-5E-7S-40	21	15	134	.1	6	1
88-5E-7S-41	23	26	289	.1	6	1
88-5E-7S-42	19	17	132	.1	16	30
88-5E-7S-43	15	20	127	.1	14	1
88-5E-7S-44	14	13	116	.1	7	1
88-5E-7S-45	16	17	126	.2	2	2
88-5E-7S-46	28	37	177	.5	11	4
88-5E-7S-47	23	36	152	.1	7	2
88-5E-7S-48	34	46	183	.3	11	1
88-5E-7S-49	58	48	234	.6	18	1
88-5E-7S-50	31	40	156	.1	60	1
88-5E-7S-51	23	50	262	.1	19	1
88-5E-7S-52	20	75	454	.1	57	1
88-5E-7S-53	24	54	341	.1	28	1
88-5E-7S-54	14	38	224	.1	67	2
88-5E-7S-55	9	34	154	.1	13	1
88-5E-7S-56	7	18	87	.1	12	1
88-5E-7S-57	8	28	176	.2	8	1
88-5E-7S-58	7	23	108	.1	10	1
88-5E-7S-59	11	27	165	.1	4	1
88-5E-7S-60	8	17	127	.1	3	2
88-5E-7S-61	10	29	136	.1	4	1
STD C/AU-S	59	44	132	7.4	43	47

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-7S-62	8	16	89	.2	4	1
88-5E-7S-63	12	23	133	.3	4	2
88-5E-7S-64	10	29	142	.2	10	2
88-5E-7S-65	12	17	104	.3	5	4
88-5E-7S-66	8	16	97	.2	2	2
88-5E-7S-67	7	22	92	.1	3	2
88-5E-7S-68	7	24	101	.1	3	1
88-5E-7S-69	6	7	91	.4	2	2
88-5E-7S-70	12	17	90	.2	2	6
STD C/AU-S	59	37	131	7.1	42	47

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-4R-22	25	11	153	.4	6	2
88-5E-4R-23	16	10	134	.2	5	1
88-5E-4R-24	8	16	187	.1	9	1
88-5E-4R-25	9	25	84	.1	72	5
88-5E-4R-26	1	17	14	.2	58	7
88-5E-4R-27	4	7	5	.5	2	1
88-5E-5R-12	179	7	74	1.0	6	4
88-5E-5R-13	141	5	76	1.0	2	1
88-5E-5R-14	462	5	31	1.0	7	1
88-5E-5R-15	43	9	265	.7	5	6
88-5E-5R-16	751	16	48	2.3	9	475
88-5E-10R-1	47	9	93	.4	2	1
88-5E-10R-2	202	4	48	.7	2	1
88-5E-10R-3	1015	8	35	5.2	11	5
88-5E-10R-4	77	9	58	1.1	3	1
88-5E-10R-5	235	5	26	.6	2	1
88-5E-10R-6	333	9	59	.7	4	1
88-5E-10R-7	246	155	28	30.1	49530	10135
STD C/AU-R	58	41	132	6.6	38	505

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: OCT 11 1988  
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
 PHONE (604) 253-3158 FAX (604) 253-1716 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 5E FILE # 88-5093 ✓ Page 1 *WAT CL*

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-7S-71	13	101	296	.2	2	3
88-5E-7S-72	22	41	171	.1	2	1
88-5E-7S-73	14	186	317	.3	4	1
88-5E-7S-74	31	151	256	.1	5	1
88-5E-7S-75	19	53	150	.1	3	2
88-5E-7S-76	21	146	210	.1	6	4
88-5E-7S-77	17	80	195	.2	4	3
88-5E-7S-78	21	343	325	.1	8	1
88-5E-7S-79	18	44	188	.1	3	1
88-5E-7S-80	30	100	301	.3	107	3
88-5E-7S-81	15	32	143	.1	3	4
88-5E-7S-82	18	124	256	.1	5	26
88-5E-7S-83	27	53	174	.2	8	2
88-5E-7S-84	11	44	149	.1	2	1
88-5E-7S-85	17	53	245	.1	5	3
88-5E-7S-86	27	70	532	.2	8	2
88-5E-7S-87	16	58	197	.3	5	1
88-5E-7S-88	26	41	262	.1	7	2
88-5E-7S-89	15	40	160	.1	3	1
88-5E-7S-90	16	27	135	.1	4	1
88-5E-7S-91	22	51	202	.1	17	1
88-5E-7S-92	71	9	176	.2	6	1
88-5E-7S-93	109	11	242	.2	3	2
88-5E-7S-94	91	13	154	.2	2	2
88-5E-10S-1	89	5	169	.2	2	5
88-5E-10S-2	98	9	305	.3	2	1
88-5E-10S-3	151	9	639	1.1	4	8
88-5E-10S-4	103	8	181	.3	2	2
88-5E-10S-5	124	5	331	.3	3	17
88-5E-10S-6	28	97	301	.1	9	1
88-5E-10S-7	19	34	153	.1	7	1
88-5E-10S-8	33	90	196	.1	10	1
88-5E-10S-9	120	4	174	.5	2	2
88-5E-10S-10	249	12	695	.7	5	31
88-5E-10S-11	166	8	281	.6	2	6
88-5E-10S-12	157	9	236	.5	2	3
STD C/AU-S	58	37	132	6.9	39	49

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
88-5E-10S-13	141	25	253	.5	8	2
88-5E-10S-14	118	27	190	.5	5	12
88-5E-10S-15	105	20	181	.3	18	71
88-5E-10S-16	60	16	183	.2	9	9
88-5E-10S-17	58	533	1332	1.1	70	4
88-5E-10S-18	76	23	160	.1	6	3
88-5E-10S-19	44	21	141	.2	11	6
88-5E-10S-20	37	49	175	1.1	2	23
88-5E-10S-21	30	26	190	.2	7	4
88-5E-10S-22	15	28	242	.2	7	5
88-5E-10S-23	26	71	551	.7	7	3
88-5E-10S-24	57	46	338	.4	14	8
88-5E-10S-25	17	28	250	.1	6	6
88-5E-10S-26	22	26	222	.1	9	11
88-5E-10S-27	18	32	190	.1	7	5
88-5E-10S-28	60	10	230	.1	6	8
88-5E-10S-29	24	27	181	.3	5	10
88-5E-10S-30	27	8	181	.1	2	4
88-5E-10S-31	42	87	257	.3	25	5
88-5E-10S-32	48	22	102	.2	11	7
88-5E-10S-33	52	41	207	.3	9	8
88-5E-10S-34	26	17	154	.1	6	19
88-5E-10S-35	36	13	192	.1	3	20
88-5E-10S-36	32	18	178	.1	2	4
88-5E-10S-37	20	23	133	.1	3	8
88-5E-10S-38	28	3	110	.1	2	2
88-5E-10S-39	27	14	188	.2	5	5
STD C/AU-S	57	36	131	6.6	39	47

APPENDIX 3: - STATISTICAL SUMMARY.

#####  
SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable = CU Unit = PPM N = 1190

Mean = 59.277 Min = 1.000 1st Quartile = 17.000

Std. Dev. = 66.959 Max = 801.000 Median = 36.000

CV % = 112.959 Skewness = 3.371 3rd Quartile = 77.000

```

=====
%      cum %      cls int      (# of bins = 31 - bin size = 26.667)
-----
0.00  0.04      -12.333
19.75 19.77      14.333      ***** --> 68
34.03 53.78      41.000      ***** --> 117
16.47 70.24      67.667      ***** --> 57
10.42 80.65      94.333      *****
6.89  87.53     121.000     *****
3.87  91.39     147.667     *****
2.86  94.25     174.333     *****
1.60  95.84     201.000     *****
1.09  96.94     227.667     *****
1.34  98.28     254.333     *****
0.42  98.70     281.000     *
0.17  98.87     307.667     *
0.42  99.29     334.333     *
0.34  99.62     361.000     *
0.00  99.62     387.667
0.00  99.62     414.333
0.08  99.71     441.000
0.00  99.71     467.667
0.00  99.71     494.333
0.08  99.79     521.000
0.00  99.79     547.667
0.00  99.79     574.333
0.00  99.79     601.000
0.00  99.79     627.667
0.08  99.87     654.333
0.00  99.87     681.000
0.00  99.87     707.667
0.00  99.87     734.333
0.00  99.87     761.000
0.00  99.87     787.667
0.08  99.96     814.333
=====

```

0 1 2 3 4

Each "\*" represents approximately 3.5 observations.

#####

#####  
SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = CU Unit = PPM N = 1190

Mean = 1.5575 Min = 0.0000 1st Quartile = 1.2304  
 Std. Dev. = 0.4491 Max = 2.9036 Median = 1.5563  
 CV % = 28.8354 Skewness = -0.1883 3rd Quartile = 1.8865

Anti-Log Mean = 36.098 Anti-Log Std. Dev. : (-) 12.834  
 (+) 101.528

```
=====
```

%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0968)
0.00	0.04	0.895	-0.0484	
0.50	0.55	1.118	0.0484	**
0.00	0.55	1.397	0.1452	
0.00	0.55	1.746	0.2420	
0.34	0.88	2.182	0.3388	*
0.00	0.88	2.726	0.4355	
0.59	1.47	3.407	0.5323	**
0.34	1.81	4.257	0.6291	*
0.76	2.56	5.320	0.7259	***
1.85	4.41	6.648	0.8227	*****
3.03	7.43	8.308	0.9195	*****
3.95	11.38	10.382	1.0163	*****
4.12	15.49	12.974	1.1131	*****
8.66	24.14	16.212	1.2098	*****
6.64	30.77	20.260	1.3066	*****
7.39	38.16	25.318	1.4034	*****
6.97	45.13	31.638	1.5002	*****
7.98	53.11	39.536	1.5970	*****
7.06	60.16	49.407	1.6938	*****
7.23	67.38	61.741	1.7906	*****
7.82	75.19	77.154	1.8874	*****
6.22	81.40	96.416	1.9841	*****
6.13	87.53	120.486	2.0809	*****
4.03	91.56	150.565	2.1777	*****
3.70	95.26	188.153	2.2745	*****
1.93	97.19	235.126	2.3713	*****
1.60	98.78	293.824	2.4681	*****
0.84	99.62	367.177	2.5649	***
0.08	99.71	458.842	2.6617	
0.08	99.79	573.391	2.7585	
0.08	99.87	716.537	2.8552	
0.08	99.96	895.419	2.9520	

```
-----
```

Each "\*" represents approximately 3.5 observations.

#####

#####  
SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable = PB Unit = PPM N = 1188

Mean = 32.441 Min = 2.000 1st Quartile = 15.000

Std. Dev. = 46.570 Max = 752.000 Median = 21.000

CV % = 143.552 Skewness = 6.852 3rd Quartile = 32.000

```
=====
```

%	cum %	cls int	(# of bins = 31 - bin size = 25.000)
0.00	0.04	-10.500	
23.23	23.25	14.500	***** --> 80
59.43	82.63	39.500	***** --> 204
9.26	91.88	64.500	*****
3.11	95.00	89.500	*****
1.68	96.68	114.500	*****
0.84	97.52	139.500	***
0.59	98.11	164.500	**
0.17	98.28	189.500	*
0.34	98.61	214.500	*
0.08	98.70	239.500	
0.08	98.78	264.500	
0.17	98.95	289.500	*
0.08	99.03	314.500	
0.25	99.29	339.500	*
0.34	99.62	364.500	*
0.17	99.79	389.500	*
0.08	99.87	414.500	
0.00	99.87	439.500	
0.00	99.87	464.500	
0.00	99.87	489.500	
0.00	99.87	514.500	
0.00	99.87	539.500	
0.00	99.87	564.500	
0.00	99.87	589.500	
0.00	99.87	614.500	
0.00	99.87	639.500	
0.00	99.87	664.500	
0.00	99.87	689.500	
0.00	99.87	714.500	
0.00	99.87	739.500	
0.08	99.96	764.500	

-----  
0 1 2 3 4

Each "\*" represents approximately 3.5 observations.

#####

#####  
SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = PB Unit = PPM N = 1188

Mean = 1.3588 Min = 0.3010 1st Quartile = 1.1761

Std. Dev. = 0.3179 Max = 2.8762 Median = 1.3222

CV % = 23.3980 Skewness = 0.8279 3rd Quartile = 1.5051

Anti-Log Mean = 22.847 Anti-Log Std. Dev. : (-) 10.987  
(+) 47.507

%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0858)
0.00	0.04	1.812	0.2581	
0.17	0.21	2.208	0.3439	*
0.00	0.21	2.690	0.4298	
0.17	0.38	3.278	0.5156	*
0.00	0.38	3.995	0.6015	
0.34	0.71	4.868	0.6873	*
0.93	1.64	5.931	0.7731	***
2.86	4.50	7.227	0.8590	*****
1.77	6.27	8.807	0.9448	*****
4.46	10.72	10.732	1.0307	*****
9.01	19.72	13.077	1.1165	*****
6.90	26.62	15.935	1.2023	*****
16.84	43.44	19.417	1.2882	***** --> 58
14.73	58.16	23.661	1.3740	***** --> 51
11.36	69.51	28.831	1.4599	*****
9.76	79.27	35.132	1.5457	*****
5.39	84.65	42.810	1.6315	*****
4.21	88.86	52.165	1.7174	*****
2.69	91.55	63.566	1.8032	*****
2.61	94.15	77.457	1.8891	*****
1.26	95.42	94.385	1.9749	*****
1.35	96.76	115.012	2.0607	*****
0.93	97.69	140.146	2.1466	***
0.42	98.11	170.774	2.2324	*
0.51	98.61	208.094	2.3183	**
0.08	98.70	253.571	2.4041	
0.34	99.03	308.987	2.4899	*
0.76	99.79	376.512	2.5758	***
0.08	99.87	458.795	2.6616	
0.00	99.87	559.060	2.7475	
0.00	99.87	681.237	2.8333	
0.08	99.96	830.114	2.9191	

0 1 2 3 4

Each "\*" represents approximately 3.5 observations.

#####

#####  
SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =           ZN                   Unit =           PPM                   N =   1189

Mean =   175.513                   Min =   29.000       1st Quartile =   90.000

Std. Dev. = 146.822                   Max = 1678.000       Median =   133.000

CV % =   83.653           Skewness =   3.992       3rd Quartile =   212.000

```
=====
```

%	cum %	cls int	(# of bins = 31 - bin size = 54.967)
0.00	0.04	1.517	
3.87	3.91	56.483	*****
35.32	39.20	111.450	***** --> 121
23.55	62.73	166.417	***** --> 81
14.72	77.44	221.383	***** --> 51
9.34	86.76	276.350	*****
3.36	90.13	331.317	*****
3.03	93.15	386.283	*****
2.27	95.42	441.250	*****
0.93	96.34	496.217	***
1.51	97.86	551.183	****
0.50	98.36	606.150	**
0.17	98.53	661.117	*
0.34	98.87	716.083	*
0.42	99.29	771.050	*
0.00	99.29	826.017	
0.17	99.45	880.983	*
0.08	99.54	935.950	
0.08	99.62	990.917	
0.00	99.62	1045.883	
0.00	99.62	1100.850	
0.00	99.62	1155.817	
0.00	99.62	1210.783	
0.00	99.62	1265.750	
0.08	99.71	1320.717	
0.00	99.71	1375.683	
0.08	99.79	1430.650	
0.00	99.79	1485.617	
0.00	99.79	1540.583	
0.00	99.79	1595.550	
0.00	99.79	1650.517	
0.17	99.96	1705.483	*

-----  
0                   1                   2                   3                   4

Each "\*" represents approximately 3.5 observations.

#####



#####  
SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable = AS Unit = PPM N = 1179

Mean = 48.556 Min = 2.000 1st Quartile = 4.000

Std. Dev. = 110.080 Max = 965.000 Median = 11.000

CV % = 226.709 Skewness = 4.485 3rd Quartile = 38.000

```
=====
```

%	cum %	cls int	(# of bins = 31 - bin size = 32.100)
0.00	0.04	-14.050	
63.70	63.69	18.050	***** --> 217
14.08	77.75	50.150	***** --> 48
7.97	85.72	82.250	*****
4.58	90.30	114.350	*****
1.53	91.82	146.450	*****
1.36	93.18	178.550	*****
1.02	94.19	210.650	***
1.10	95.30	242.750	****
0.59	95.89	274.850	**
0.51	96.40	306.950	**
0.34	96.74	339.050	*
0.25	96.99	371.150	*
0.42	97.42	403.250	*
0.51	97.92	435.350	**
0.17	98.09	467.450	*
0.17	98.26	499.550	*
0.25	98.52	531.650	*
0.17	98.69	563.750	*
0.00	98.69	595.850	
0.17	98.86	627.950	*
0.42	99.28	660.050	*
0.08	99.36	692.150	
0.08	99.45	724.250	
0.08	99.53	756.350	
0.00	99.53	788.450	
0.00	99.53	820.550	
0.17	99.70	852.650	*
0.00	99.70	884.750	
0.08	99.79	916.850	
0.08	99.87	948.950	
0.08	99.96	981.050	

0 1 2 3 4

Each "\*" represents approximately 3.5 observations.

#####

#####  
SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = AS Unit = PPM N = 1179

Mean = 1.1411 Min = 0.3010 1st Quartile = 0.6021

Std. Dev. = 0.6428 Max = 2.9845 Median = 1.0414

CV % = 56.3379 Skewness = 0.6410 3rd Quartile = 1.5798

Anti-Log Mean = 13.837 Anti-Log Std. Dev. : (-) 3.149  
(+) 60.799

```
=====
```

%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0894)
0.00	0.04	1.804	0.2563	
13.40	13.43	2.217	0.3458	***** --> 46
0.00	13.43	2.724	0.4352	
5.60	19.03	3.347	0.5247	*****
6.53	25.55	4.112	0.6141	*****
5.51	31.06	5.053	0.7036	*****
4.83	35.89	6.209	0.7930	*****
4.50	40.38	7.629	0.8825	*****
7.80	48.18	9.374	0.9719	*****
3.48	51.65	11.517	1.0614	*****
6.79	58.43	14.152	1.1508	*****
3.73	62.16	17.388	1.2403	*****
4.24	66.40	21.365	1.3297	*****
3.48	69.87	26.251	1.4192	*****
2.80	72.67	32.256	1.5086	*****
2.88	75.55	39.633	1.5981	*****
2.04	77.58	48.697	1.6875	*****
3.31	80.89	59.835	1.7770	*****
3.56	84.45	73.520	1.8664	*****
2.71	87.16	90.334	1.9559	*****
2.54	89.70	110.995	2.0453	*****
1.87	91.57	136.381	2.1348	*****
1.53	93.09	167.573	2.2242	*****
1.02	94.11	205.898	2.3137	***
1.36	95.47	252.990	2.4031	*****
1.02	96.48	310.851	2.4926	***
0.51	96.99	381.947	2.5820	**
1.10	98.09	469.302	2.6715	*****
0.59	98.69	576.637	2.7609	**
0.76	99.45	708.521	2.8504	***
0.25	99.70	870.567	2.9398	*
0.25	99.96	1069.676	3.0293	*

```
-----
```

0 1 2 3 4

Each "\*" represents approximately 3.5 observations.

#####

#####  
SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable = AG Unit = PPM N = 1189

Mean = 0.433 Min = 0.100 1st Quartile = 0.100

Std. Dev. = 0.676 Max = 8.700 Median = 0.200

CV % = 156.213 Skewness = 6.193 3rd Quartile = 0.500

```
=====
```

%	cum %	cls int	(# of bins = 31 - bin size = 0.287)
0.00	0.04	-0.043	
52.65	52.65	0.243	***** --> 181
27.00	79.62	0.530	***** --> 93
9.67	89.29	0.817	*****
4.54	93.82	1.103	*****
1.35	95.17	1.390	*****
1.43	96.60	1.677	*****
1.01	97.61	1.963	***
0.42	98.03	2.250	*
0.25	98.28	2.537	*
0.34	98.61	2.823	*
0.25	98.87	3.110	*
0.17	99.03	3.397	*
0.08	99.12	3.683	
0.08	99.20	3.970	
0.08	99.29	4.257	
0.08	99.37	4.543	
0.00	99.37	4.830	
0.00	99.37	5.117	
0.08	99.45	5.403	
0.08	99.54	5.690	
0.17	99.71	5.977	*
0.00	99.71	6.263	
0.00	99.71	6.550	
0.00	99.71	6.837	
0.08	99.79	7.123	
0.00	99.79	7.410	
0.00	99.79	7.697	
0.00	99.79	7.983	
0.08	99.87	8.270	
0.00	99.87	8.557	
0.08	99.96	8.843	

-----  
0 1 2 3 4

Each "\*" represents approximately 3.5 observations.

#####

#####  
SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = AG Unit = PPM N = 1189

Mean = -0.5814 Min = -1.0000 1st Quartile = -1.0000  
 Std. Dev. = 0.3950 Max = 0.9395 Median = -0.6990  
 CV % = 67.9501 Skewness = 0.7096 3rd Quartile = -0.3010

Anti-Log Mean = 0.262 Anti-Log Std. Dev. : (-) 0.106  
 (+) 0.651

```
=====
```

%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0647)
0.00	0.04	0.093	-1.0323	
34.65	34.66	0.108	-0.9677	***** --> 119
0.00	34.66	0.125	-0.9030	
0.00	34.66	0.145	-0.8384	
0.00	34.66	0.168	-0.7737	
0.00	34.66	0.195	-0.7091	
18.00	52.65	0.227	-0.6444	***** --> 62
0.00	52.65	0.263	-0.5798	
9.42	62.06	0.305	-0.5151	*****
0.00	62.06	0.354	-0.4505	
8.75	70.80	0.411	-0.3858	*****
0.00	70.80	0.477	-0.3212	
8.83	79.62	0.554	-0.2565	*****
4.12	83.74	0.643	-0.1919	*****
3.70	87.44	0.746	-0.1272	*****
1.85	89.29	0.866	-0.0626	*****
3.70	92.98	1.005	0.0021	*****
0.84	93.82	1.166	0.0667	***
1.35	95.17	1.353	0.1314	*****
1.09	96.26	1.570	0.1960	****
1.18	97.44	1.823	0.2607	****
0.59	98.03	2.115	0.3253	**
0.08	98.11	2.455	0.3900	
0.50	98.61	2.849	0.4546	**
0.42	99.03	3.306	0.5193	*
0.17	99.20	3.837	0.5839	*
0.17	99.37	4.452	0.6486	*
0.00	99.37	5.167	0.7132	
0.34	99.71	5.996	0.7779	*
0.08	99.79	6.959	0.8425	
0.00	99.79	8.076	0.9072	
0.17	99.96	9.372	0.9718	*

```
-----
```

Each "\*" represents approximately 3.5 observations.

#####

16:38:45

SKUKUM GOLD INC. WAT, DAY & MAG CLAIMS - SOILS

11/30/88

#####  
SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	AU	Unit =	PPB	N =	1186
Mean =	7.840	Min =	1.000	1st Quartile =	1.000
Std. Dev. =	27.390	Max =	360.000	Median =	2.000
CV % =	349.373	Skewness =	9.085	3rd Quartile =	5.000

%	cum %	cls int	(# of bins = 31 - bin size = 11.967)
0.00	0.04	-4.983	
79.93	79.91	6.983	***** --> 274
12.31	92.21	18.950	***** --> 42
2.95	95.16	30.917	*****
1.43	96.59	42.883	*****
1.10	97.68	54.850	*****
0.51	98.19	66.817	**
0.34	98.53	78.783	*
0.34	98.86	90.750	*
0.17	99.03	102.717	*
0.08	99.12	114.683	
0.00	99.12	126.650	
0.08	99.20	138.617	
0.08	99.28	150.583	
0.00	99.28	162.550	
0.00	99.28	174.517	
0.00	99.28	186.483	
0.00	99.28	198.450	
0.08	99.37	210.417	
0.00	99.37	222.383	
0.00	99.37	234.350	
0.00	99.37	246.317	
0.00	99.37	258.283	
0.00	99.37	270.250	
0.08	99.45	282.217	
0.17	99.62	294.183	*
0.08	99.71	306.150	
0.08	99.79	318.117	
0.00	99.79	330.083	
0.00	99.79	342.050	
0.00	99.79	354.017	
0.17	99.96	365.983	*

Each "\*" represents approximately 3.5 observations.

#####

#####  
SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = AU Unit = PPB N = 1186

Mean = 0.3976 Min = 0.0000 1st Quartile = 0.0000  
 Std. Dev. = 0.5150 Max = 2.5563 Median = 0.3010  
 CV % = 129.5251 Skewness = 1.3996 3rd Quartile = 0.6990

Anti-Log Mean = 2.498 Anti-Log Std. Dev. : (-) 0.763  
 (+) 8.178

%	cum %	antilog	cls int	(# of bins = 31 - bin size = 0.0852)
0.00	0.04	0.907	-0.0426	
48.74	48.74	1.103	0.0426	***** --> 167
0.00	48.74	1.342	0.1278	
0.00	48.74	1.633	0.2130	
0.00	48.74	1.987	0.2982	
13.49	62.22	2.418	0.3834	***** --> 46
0.00	62.22	2.942	0.4687	
7.00	69.21	3.580	0.5539	*****
4.89	74.09	4.356	0.6391	*****
4.22	78.31	5.300	0.7243	*****
1.60	79.91	6.449	0.8095	*****
2.36	82.27	7.847	0.8947	*****
3.04	85.30	9.548	0.9799	*****
2.95	88.25	11.618	1.0651	*****
2.19	90.44	14.136	1.1503	*****
1.52	91.95	17.201	1.2355	*****
0.84	92.80	20.929	1.3208	***
1.69	94.48	25.466	1.4060	*****
0.67	95.16	30.987	1.4912	**
1.01	96.17	37.704	1.5764	***
0.67	96.84	45.877	1.6616	**
0.84	97.68	55.822	1.7468	***
0.51	98.19	67.923	1.8320	**
0.42	98.61	82.647	1.9172	*
0.42	99.03	100.563	2.0024	*
0.08	99.12	122.362	2.0876	
0.17	99.28	148.887	2.1729	*
0.00	99.28	181.162	2.2581	
0.08	99.37	220.433	2.3433	
0.00	99.37	268.218	2.4285	
0.42	99.79	326.360	2.5137	*
0.17	99.96	397.107	2.5989	*

0 1 2 3 4

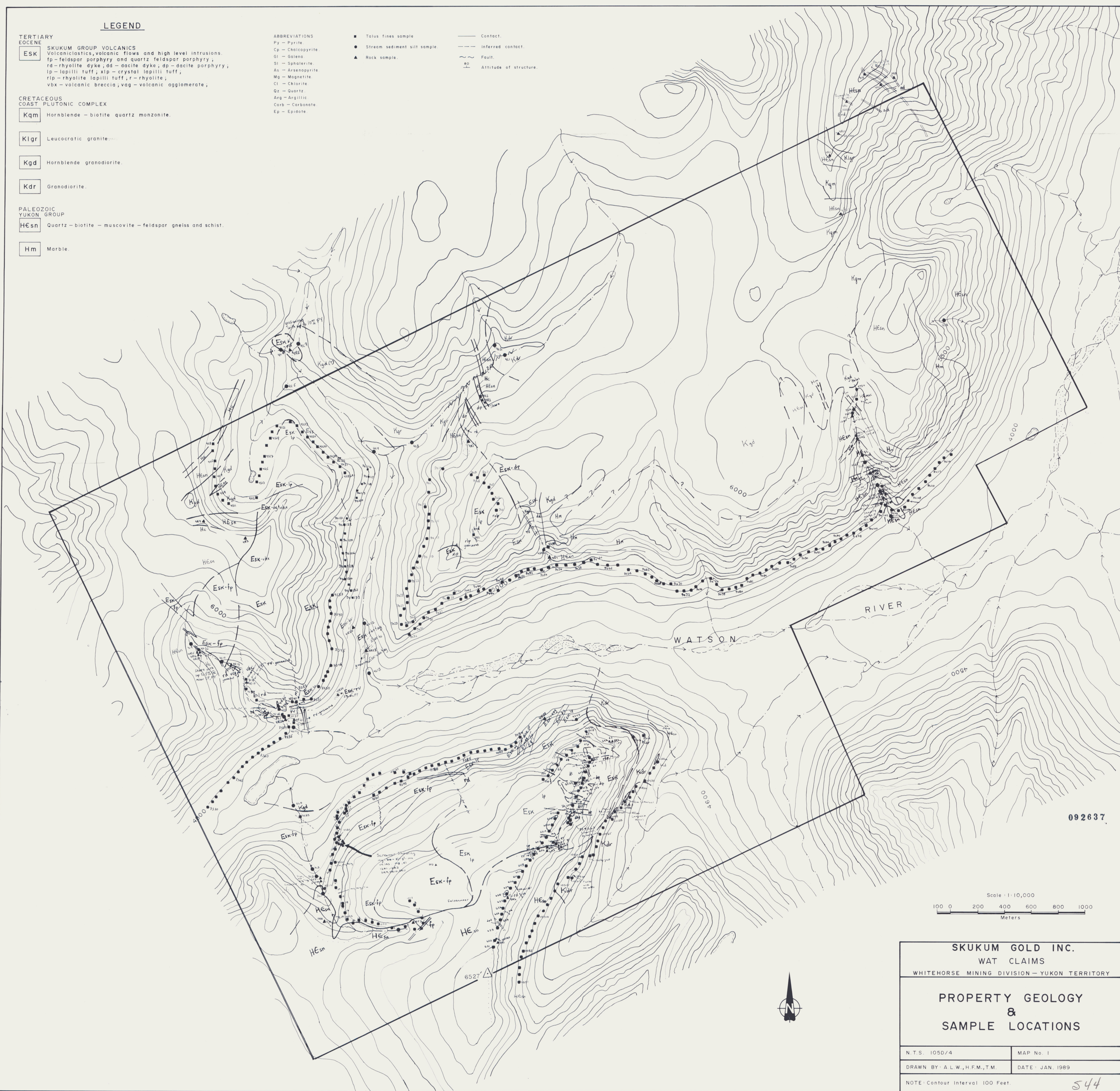
Each "\*" represents approximately 3.5 observations.

#####

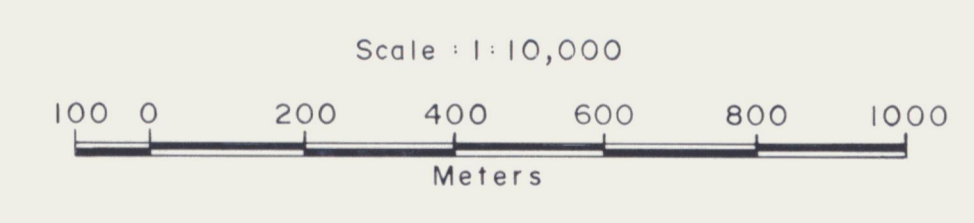
**LEGEND**

- TERTIARY**  
**Eocene**  
**ESK** SKUKUM GROUP VOLCANICS  
 Volcaniclastics, volcanic flows and high level intrusions.  
 fp - feldspar porphyry and quartz feldspar porphyry;  
 rd - rhyolite dyke, dd - dacite dyke, dp - dacite porphyry;  
 lp - lapilli tuff, xlp - crystal lapilli tuff;  
 rlp - rhyolite lapilli tuff, r - rhyolite;  
 vbx - volcanic breccia, vag - volcanic agglomerate.
- CRETACEOUS**  
**COAST PLUTONIC COMPLEX**  
**Kqm** Hornblende - biotite quartz monzonite.  
**Klgr** Leucocratic granite.  
**Kgd** Hornblende granodiorite.  
**Kdr** Granodiorite.
- PALEOZOIC**  
**YUKON GROUP**  
**HEsn** Quartz - biotite - muscovite - feldspar gneiss and schist.  
**Hm** Marble.

- ABBREVIATIONS**  
 Py - Pyrite  
 Cp - Chalcopyrite  
 Gt - Galena  
 St - Sphalerite  
 As - Arsenopyrite  
 Mg - Magnetite  
 Cl - Chlorite  
 Qz - Quartz  
 Arg - Argillic  
 Carb - Carbonate  
 Ep - Epidote.
- Talus fines sample  
 ● Stream sediment silt sample  
 ▲ Rock sample.
- Contact.  
 - - - Inferred contact.  
 - - - Fault.  
 80 Attitude of structure.



092637



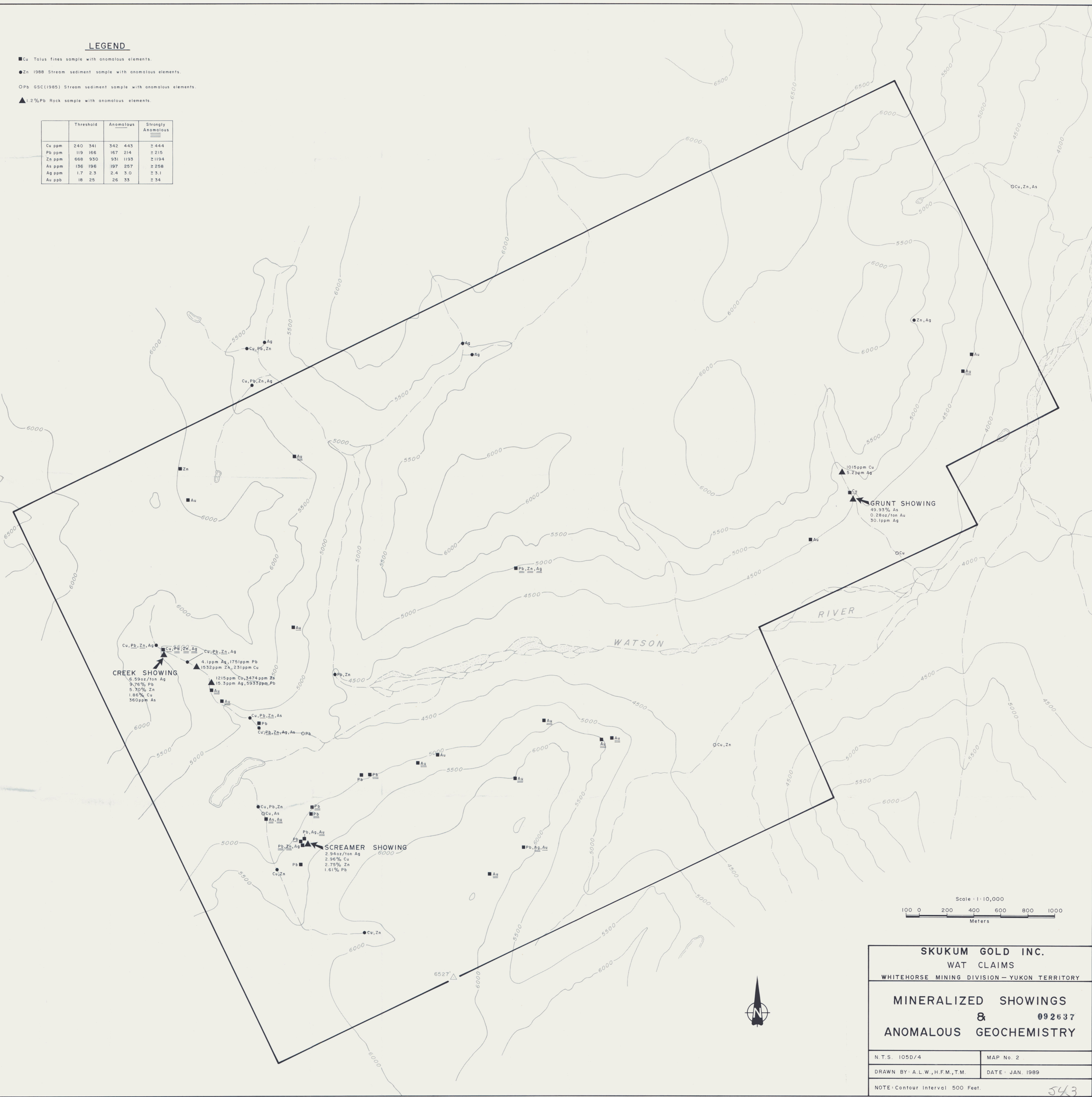
<b>SKUKUM GOLD INC.</b> WAT CLAIMS WHITEHORSE MINING DIVISION - YUKON TERRITORY	
<b>PROPERTY GEOLOGY</b> & <b>SAMPLE LOCATIONS</b>	
N.T.S. 105D/4	MAP No. 1
DRAWN BY: A.L.W., H.F.M., T.M.	DATE: JAN. 1989
NOTE: Contour Interval 100 Feet.	

544

**LEGEND**

- Cu Talus fines sample with anomalous elements.
- Zn 1988 Stream sediment sample with anomalous elements.
- Pb GSC(1985) Stream sediment sample with anomalous elements.
- ▲ 1.2% Pb Rock sample with anomalous elements.

	Threshold	Anomalous	Strongly Anomalous
Cu ppm	240 341	342 443	≥ 444
Pb ppm	119 166	167 214	≥ 215
Zn ppm	668 930	931 1193	≥ 1194
As ppm	136 196	197 257	≥ 258
Ag ppm	1.7 2.3	2.4 3.0	≥ 3.1
Au ppb	18 25	26 33	≥ 34



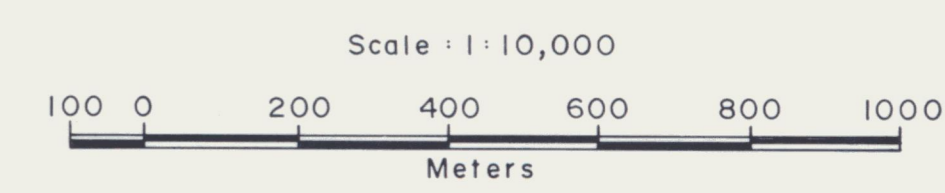
**CREEK SHOWING**  
 6.59oz/ton Ag  
 9.76% Pb  
 5.70% Zn  
 1.86% Cu  
 360ppm As

4.1ppm Ag, 1751ppm Pb  
 1532ppm Zn, 231ppm Cu

1215ppm Cu, 3474ppm Zn  
 15.3ppm Ag, 5933ppm Pb

**SCREAMER SHOWING**  
 2.94oz/ton Ag  
 2.96% Cu  
 2.79% Zn  
 1.61% Pb

**GRUNT SHOWING**  
 1015ppm Cu  
 5.2ppm Ag  
 49.93% As  
 0.28oz/ton Au  
 30.1ppm Ag



**SKUKUM GOLD INC.**  
 WAT CLAIMS  
 WHITEHORSE MINING DIVISION - YUKON TERRITORY

**MINERALIZED SHOWINGS**  
 & **092637**  
**ANOMALOUS GEOCHEMISTRY**

N.T.S. 105D/4	MAP No. 2
DRAWN BY: A.L.W., H.F.M., T.M.	DATE: JAN. 1989
NOTE: Contour Interval 500 Feet.	

543