ASSESSMENT REPORT
MAPPING, SOIL & ROCK SAMPLING
ON THE
SWEDE AND SAM CLAIMS
SONORA GULCH PROPERTY

093 826

Whitehorse Mining District
October 8-10, 1997

Location:
1. 110 Km NW of Carmacks
2. NTS 105 J-9 & 105 I-12
3. Latitude 62° 39' N
   Longitude 138° 05' W

Claims:
Swede 1-6 (YA03779-YA03784)
Sam 1-18 (YA03869-YA03886)
Sam 20-35 (YA03888-YA03903)
Sam 37-86 (YA03905-YA03954)
Sam 87-98 (YA08275-YA08286)
Sam 117-118 (YC08341-YC0834)

093 826

For:
SELWYN MINERALS INC.
P.O. BOX 93401
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Y1A 5P7

By:
R. Allan Doherty, P.Geo.
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Y1A 3T5

April 9, 1998

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 $ 9600.00.

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

SUMMARY

The Sonora Gulch Property is located in the Dawson Range in the southern Yukon. The property was optioned from Mr. Jan Martensson and Alan McDiarmid by Selwyn Minerals Inc., in early October 1997. In mid October 1997, Aurum Geological Consultants Inc. collected rock and soil samples and re-mapped a number of trenches on the property. A total of ten rock samples and 36 soil samples were collected from old trenches over a rhyolite porphyry in the central portion of the property.

The focus of the work was to determine if the rhyolite porphyry contained anomalous gold sufficient enough to be considered as a potential source for the mineralization located within the adjacent metasedimentary rocks cut by the rhyolite.

The property has seen extensive surface mapping, geochemistry, geophysics, trenching and diamond drilling between 1975 to 1984 mainly by Anglo American Corporation of Canada, Hudson Bay Exploration and Development Company Limited and Hayes Resources Inc. all under an option agreement with J. Martensson and A. McDiarmid, who had conducted placer operations on Sonora Gulch in 1975 and were recovering angular rough surfaced gold nuggets sometimes associated with tetradymite, a bismuth telluride.

There has been no physical work conducted on the property since 1985 and during the interim the claims were maintained by cash in lieu payments made by Hudson Bay Exploration and Development Company Limited. The claims were returned to the original optionor's (Martensson and McDiarmid) in September 1997 and were subsequently optioned by Selwyn Minerals Inc.

The focus of the 1997 work program was to fulfill the work requirements to maintain the claims in good standing and to obtain some modern multi-element geochemical data to better define a mineralization deposit model for this mineral occurrence.

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INTRODUCTION

This report was prepared to satisfy the assessment reporting requirements under the Yukon Quartz Mining Act. Exploration work consisted of mapping, soil and rock sampling on old trenches over a rhyolite porphyry plug on the SAM 90 and 92 claims. A cash in lieu payment was made to maintain the Swede 1-6 claims The work was completed between October 8-10 by a three person crew. The crew was mobilized to the property by helicopter out of Carmacks and gear was slung from the Minto airstrip. The samples were collected by Al Doherty, P.Geo., Joe Clarke, and Wendy Bushell.

This report is based on the authors' knowledge of the property and area gained from exploration work on this and nearby properties, and from public and private reports.

Location and Access

The Swede and Sam Claims are located approximately 110 km northwest of Carmacks Yukon on the south side of Hayes Creek a tributary of the Yukon River. The property is situated in the northeast corner of 1:50,000 Selwyn River map area (NTS 115-J-9) and the west side of Wolverine Creek map area (NTS 115-I-12). The geographic coordinates of a point approximately in the centre of the claims are 62° 39' north latitude and 138° 05' west longitude (Figure 1). Access to the property is by helicopter. Helicopter charters are available from Carmacks, located 110 kilometres to the southeast. The property is accessible by winter trails, the Casino trail leads from Carmacks northwest for 59 km to Sonora Gulch and another winter trail leads west from the Minto deposit for 61 km to the Property.

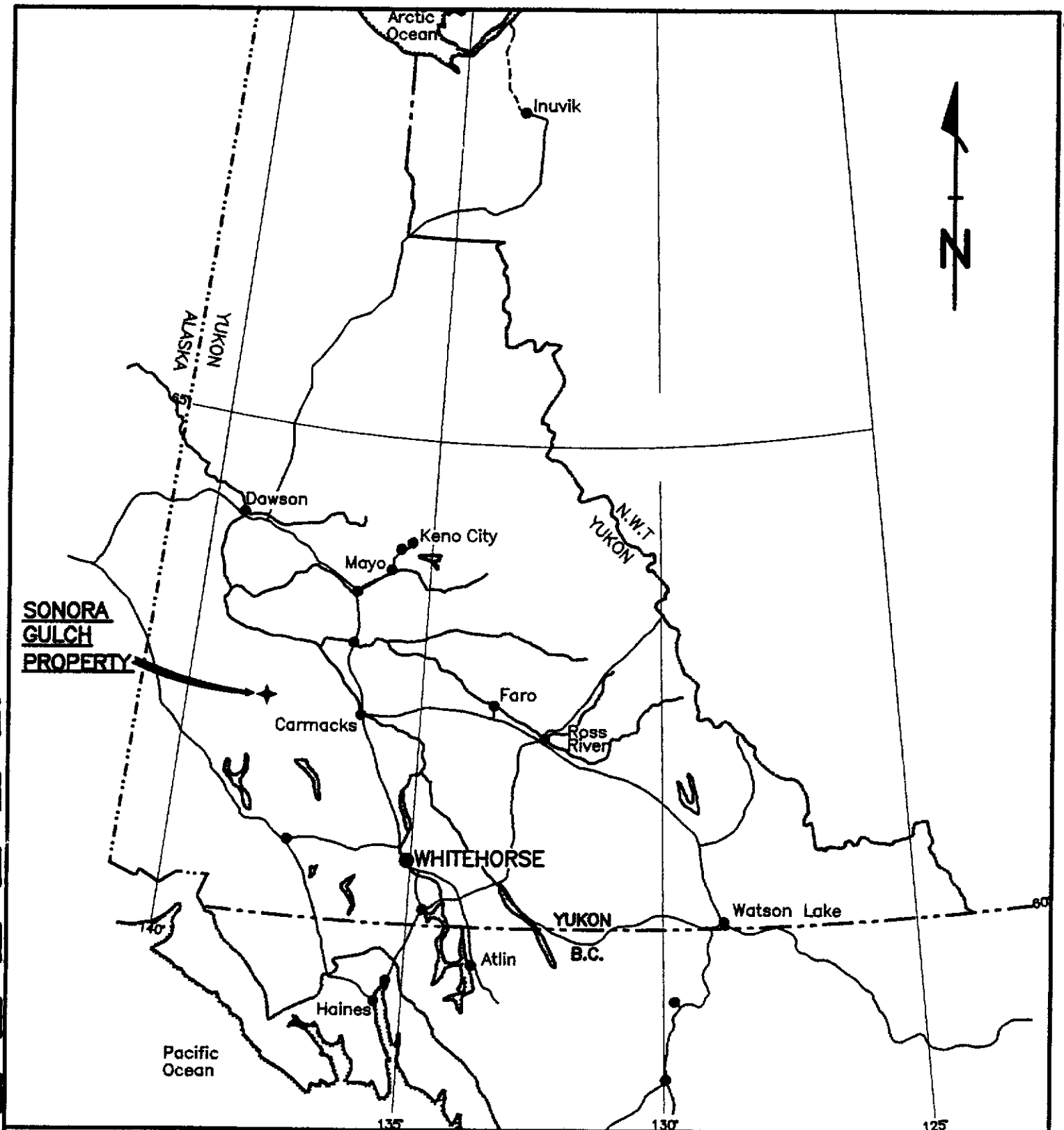
Property

The Sonora Gulch property consists of 104 contiguous un-surveyed two post quartz claims,(Figure 2), covering approximately 2,184 hectares. Figure 2 shows the location of the claims with respect to topography and major drainage's. The claims were staked in accordance with the Yukon Quartz Mining Act and are all within the Whitehorse Mining District. The claims are 100% owned by Selwyn Minerals Inc., subject to a Sale Purchase Agreement between Selwyn Minerals Inc and Jan Martensson and Alan McDiarmid. Current claim data are as follows:

TABLE I: Sonora Gulch Claim Data

CLAIM NAME	GRANT NUMBERS	MINING DIST.	EXPIRY DATE *
SWEDE 1-6	YA03779-YA03784	WHITEHORSE	OCT. 02, 1998
SAM 1-18	YA03869-YA03886	WHITEHORSE	OCT. 28, 1998
SAM 20-35	YA03888-YA03903	WHITEHORSE	OCT. 28, 1998
SAM 37-86	YA03905-YA03954	WHITEHORSE	OCT. 28, 1998
SAM 87-98	YA08275-YA08286	WHITEHORSE	OCT. 28, 1998
SAM 117-118	YC08341-YC08342	WHITEHORSE	OCT. 14, 1998

* subject to approval of 1997 assessment work except Swede 1-6 and Sam 117-118



200 100 0 200

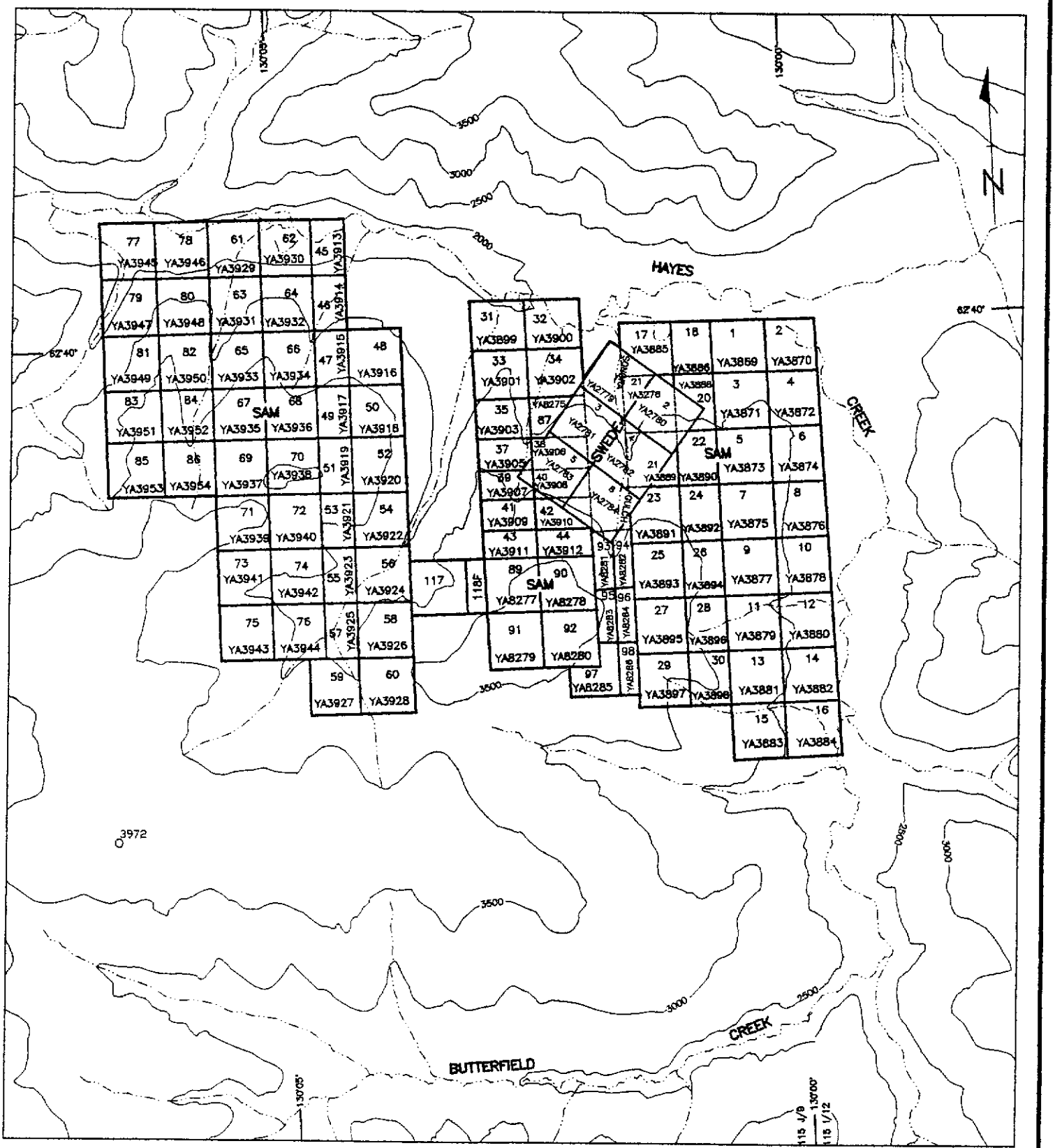
kilometres

SONORA GULCH PROPERTY

WHITEHORSE MINING DISTRICT, YUKON TERRITORY

PROPERTY LOCATION MAP

Aurum Geological Consultants Inc.			date: APRIL, 1998
NTS: 115 I, J	drawn: JC	scale: 1:6,000,000	figure: 1



LEGEND

- 31 / YA3899 — CLAIM BOUNDARY / CLAIM NUMBER / GRANT NUMBER
- CLAIM GROUP BOUNDARY
- CONTOUR LINE 500 ft INTERVAL
- CREEK

SONORA GULCH PROPERTY
WHITEHORSE MINING DISTRICT

CLAIM MAP

Aurum Geological Consultants Inc.		Date: APRIL, 1998	
NTS: 115	Drawn: JC	Scale: 1:50,000	Figure: 2

History

The first reported quartz claims in the Sonora Gulch area were staked in 1899 and again in 1945 when trenching was carried out during the 1946-1951 period in connection with placer activity (Douglas, 1982). After the discovery of porphyry copper gold molybdenum mineralization at Casino in 1962, the Sonora Gulch area was reassessed for it's porphyry potential by Coranex Limited in 1965 and by the Dawson Range Joint venture in 1969-1970.

Assessment report records on the Swede and Sam claims date back to 1975 when Anglo American Corporation of Canada Exploration Ltd., commenced negotiating an option on the Swede 1-6 claims from J. Martensson and A. McDiarmid . Anglo immediately added the Sam1-98 claims to the core Swede 1-6 claims and concluded an option agreement on the Swede 1-6 claims in late 1977.

Anglo American completed a Ag, Pb soil geochemical survey on the Sam 1-98 claims in 1976. Results were sufficiently encouraging to warrant further exploration (McKinney, 1976). Additional soil sampling and trenching and drilling was completed between 1977 and 1984 during which time Hudson Bay Exploration and Development Company Limited and Tombil Mines Limited entered into a joint venture agreement with Anglo. HBED was the operator. In 1984 the claims were transferred to Hayes Resources Ltd.

In 1977 and an 11 hole 1606 foot drill program focused on assessing gold in soil geochemical anomalies associated with quartz-calcite-pyrite veins and the lead copper sulphosalts boulangerite and bornonite. The area drilled was within and on the rhyolite porphyry metasedimentary contact and intersected some limited gold values. Further drilling was completed (4 BQ holes 1328 ') in 1980 and a further seven holes totaling 2664 feet in 1981. Mainly on the Tetradymite vein northeast of the rhyolite plug. Drill targets were based on soil geochemical anomalies, trench anomalies and on Magnetometer and VLF-EM anomalies outlined by surveys completed in 1980.

The last major exploration program was completed in 1984 and consisted of 43 trenches of which 23 were sampled over 2483 feet and a five hole drill program totaling 2279 feet.

Assessment reports detailing this work are referenced as (Bidwell, 1978, Douglas 1977, 1981, 1982, 1984 and 1985).

Physiography, Climate and Vegetation

An interior continental climate with moderate to low precipitation (30 cm annually), warm summers and cold winters typifies the area. Permafrost is commonly encountered particularly on the steeper north and east facing slopes and low, marshy, forested areas. The property is normally snow free from mid June to late September. Relief on the property is approximately 1600 feet, with the highest point reaching 13700 feet just west of the airstrip. The majority of the property is below tree line. Vegetation on the north facing slope consists of black spruce, willow and alder. The most recent continental glacial advances did not cover this area of the Yukon. However, evidence of Pleistocene valley glaciers can be found in some areas (Payne et al. 1987). As a result, outcrop exposure is poor (~5%) except on ridge tops and incised drainage channels and gullies.

GEOLOGY

Regional Geology

The property is located in the central portion of the Dawson Range which extends from Carmacks to the Yukon-Alaska boundary. The oldest rocks in the area are the Paleozoic (?) Yukon Tanana Terrane metamorphic rocks (Figure 3). These are intruded by batholiths and plutons emplaced in the Triassic, Jurassic and Late Cretaceous periods. The Big Creek and Hoochekoo faults are two major northwest trending faults that transect the area. The nature and extent of displacement on these faults is uncertain. The Big Creek and Hoochekoo faults merge just north of the Sonora Gulch property.

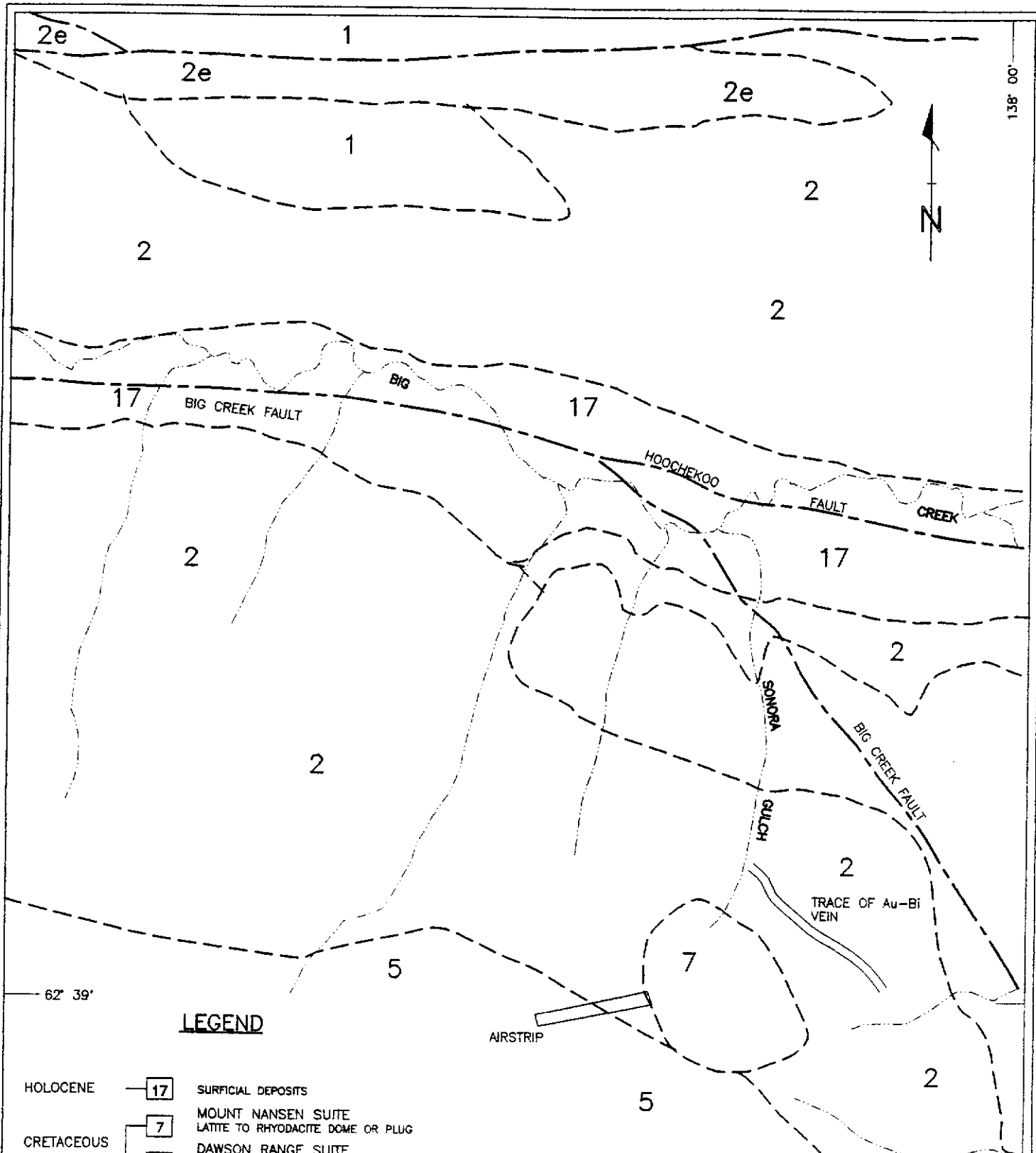
Numerous mineral occurrences are documented along the southeastern side of the Big Creek-Hoochekoo fault system and comprise Cu-Mo porphyry mineralization as found at Casino, Zappa, Pattison, Cockfield, and Cash most of which are hosted by the Dawson Range granodiorites. Most of the porphyry occurrences are located southwest of the Big Creek fault in what is known as the Dawson Range mineral belt (Hart, 1998). Vein systems hosting Ag-Pb-Zn, and Au mineralization are commonly associated with the Mt. Nansen suite of intrusions and volcanics.

PROPERTY GEOLOGY

The Sonora Gulch Property is located just southwest of the Big Creek fault (Figure 4). Yukon Tanana Terrane metasedimentary and metavolcanic rocks are cut by a Dawson range pluton of granodioritic composition on the southwest side of the claim block. On the central south portion of the claim block a Mount Nansen suite rhyolite porphyry plug intrudes the metasedimentary and metavolcanic rocks of the Yukon Tanana terrane and probably cuts the Dawson range granodiorite as well. The Hayes creek valley is filled with surficial deposits that host the placer gold and tetradymite.

Drill core descriptions of the metasedimentary and metavolcanic rocks describe mostly quartz-mica schist, quartz-biotite gneiss and meta-andesites. Gabbro is noted in some sections and proximal to the mafic lithologies listwanite type alteration is described.

The rhyolite porphyry is a fine to medium grained gray to yellow and green quartz eye porphyry. Alteration within the porphyry consists of bleaching, silicification, serecitization and some areas of argillic alteration. The porphyry contains disseminated pyrite from <0.5 to 5%. Quarts stringers were noted but are not common. On the surface the porphyry is limonitized and hematitized. The main soil geochemical anomalies defined by Hudson Bay Exploration and Development (Figures 6 & 7, Appendix B) are associated with the rhyolite porphyry. Re-sampling of old trenches over the rhyolite porphyry in 1997 confirmed that the rhyolite porphyry contains anomalous gold in the 1 to 3 gram range.



LEGEND

HOLOCENE	17	SURFICIAL DEPOSITS
CRETACEOUS	7	MOUNT NANSEN SUITE LATITE TO RHYODACITE DOME OR PLUG
	5	DAWSON RANGE SUITE DAWSON RANGE BATHOLITH
PALLEOZOIC PRE-CAMBRIAN	2	YUKON TANANA META VOLCANIC
	2e	AMPHIBOLITE
	1	META SEDIMENTARY

FAULT

GEOLOGICAL CONTACT

CREEK

1000 500 0 200 400 600 800 1000

metres

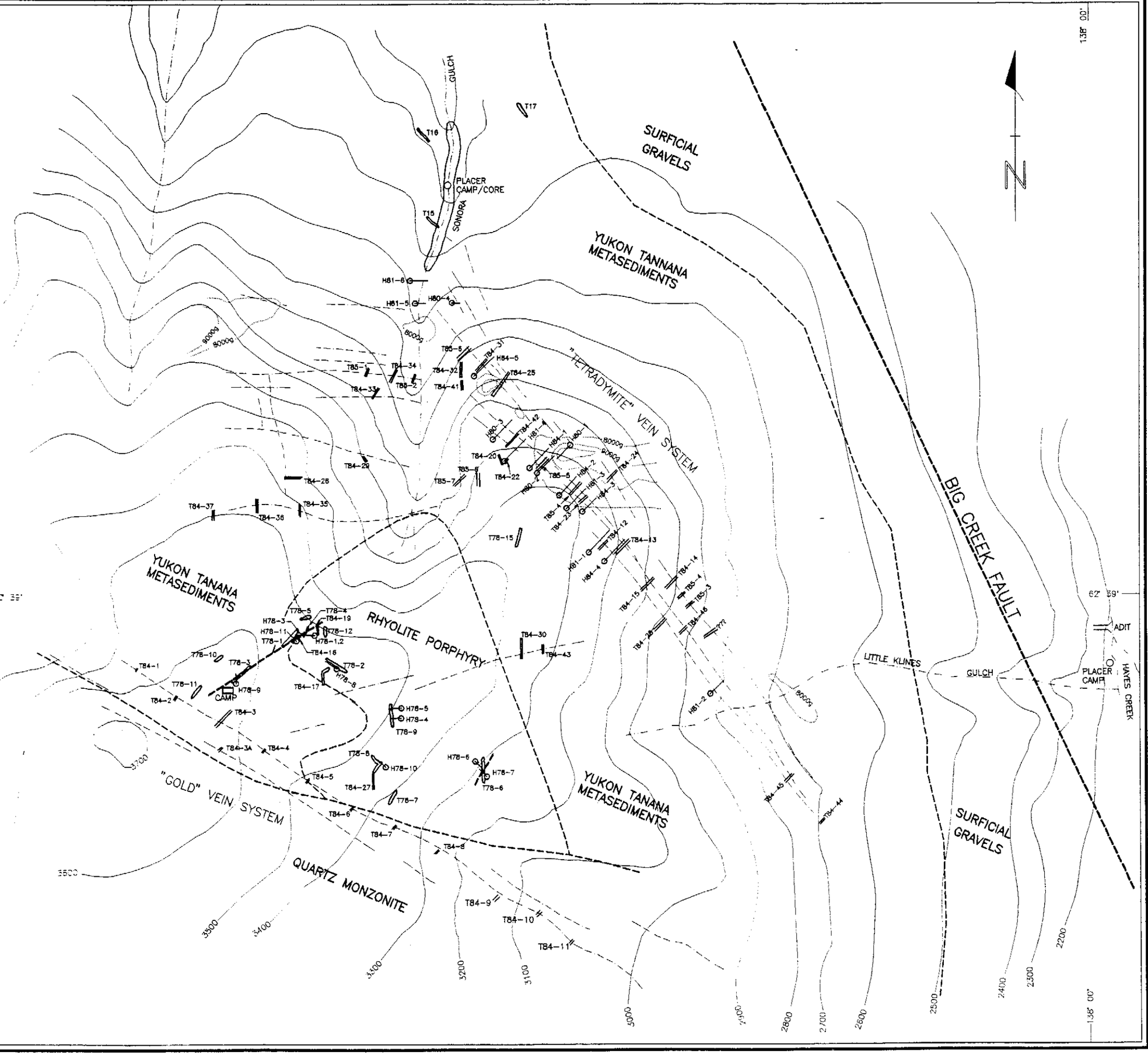
MODIFIED AFTER PAYNE, GONZOLEZ, AKHURST, AND SISSON. DIAND O.F. 1987-3

SONORA GULCH PROPERTY

WHITEHORSE MINING DISTRICT, YUKON TERRITORY

REGIONAL GEOLOGY

Aurum Geological Consultants Inc.		Date: APRIL, 1998	
NTS: 115 I J	Drawn: JC	Scale: AS SHOWN	Figure: 3



LEGEND

- GEOLOGICAL CONTACT
- FAULT
- DIAMOND DRILL HOLE
- CAT TRENCH
- MAGNETIC HIGH (1000 gamma INTERVALS)
- EM-16 CONDUCTOR AXIS
- CREEK

250 125 0 50 100 150 200 250
meters

1000 500 0 200 400 600 800 1000
feet

1 Inch = 1200 feet

SONORA GULCH PROPERTY
WHITEHORSE MINING DISTRICT

PROPERTY COMPILATION SWEDE AND SAM CLAIMS

Aurum Geological Consultants Inc.	Date: APRIL, 1998	
NTS: 115 I12 J9	Drawn: JC	Scale: 1:12000	Figure: 4

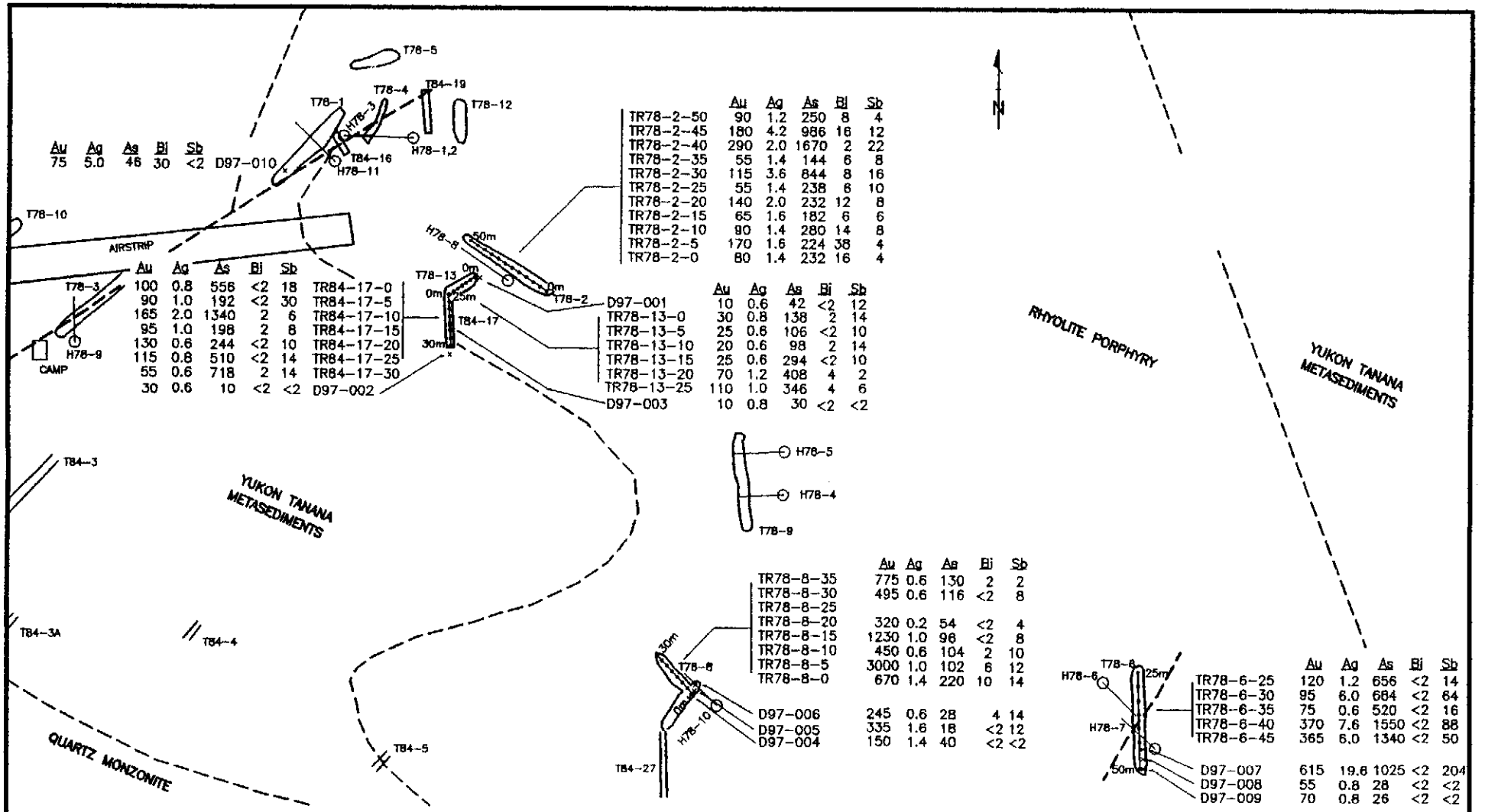
A compilation map showing all significant drill and trench assays from the 1978-1984 period is shown in Appendix C, Figure 5. Significant gold analyses are confined to the rhyolite porphyry and the Tetradymite vein system on the northeast side of the rhyolite porphyry.

1997 Trench Sampling

The focus of the 1997 work program was to re-sample the rhyolite porphyry and to obtain current 31 element ICP analyses to better define the exploration model for the Sonora Gulch property.

Four selected trenches that had previously returned anomalous gold values were re-sampled by collecting rock or soil samples from the bottoms of the trenches. A total of ten rock and thirty-six soil samples were collected from trenches T78-2, T78-6, T78-8, T78-13, and T84-17, all of which were excavated over the rhyolite porphyry. The soil samples collected were actually coarse disintegrated bedrock and were treated as rock samples when analyzed.

The results of the sampling are shown in Figure 8. The best results were returned from trench T78-8 where eight samples returned gold values between 150 ppb Au and 3000 ppb Au. Arsenic, bismuth and antimony were also anomalous. Detailed sample descriptions are found in Appendix A and geochemical analyses and statistics are in Appendix B.



	Au	Ag	As	Bi	Sb	
	100	0.8	556	<2	18	TR84-17-0
	90	1.0	192	<2	30	TR84-17-5
	165	2.0	1340	2	6	TR84-17-10
	95	1.0	198	2	8	TR84-17-15
	130	0.6	244	<2	10	TR84-17-20
	115	0.8	510	<2	14	TR84-17-25
	55	0.6	718	2	14	TR84-17-30
	30	0.6	10	<2	<2	D97-002

	Au	Ag	As	Bi	Sb
TR78-2-50	90	1.2	250	8	4
TR78-2-45	180	4.2	986	16	12
TR78-2-40	290	2.0	1670	2	22
TR78-2-35	55	1.4	144	6	8
TR78-2-30	115	3.6	844	8	16
TR78-2-25	55	1.4	238	6	10
TR78-2-20	140	2.0	232	12	8
TR78-2-15	65	1.6	182	6	6
TR78-2-10	90	1.4	280	14	8
TR78-2-5	170	1.6	224	38	4
TR78-2-0	80	1.4	232	16	4

	Au	Ag	As	Bi	Sb
D97-001	10	0.6	42	<2	12
TR78-13-0	30	0.8	138	2	14
TR78-13-5	25	0.6	106	<2	10
TR78-13-10	20	0.6	98	2	14
TR78-13-15	25	0.6	294	<2	10
TR78-13-20	70	1.2	408	4	2
TR78-13-25	110	1.0	346	4	6
D97-003	10	0.8	30	<2	<2

	Au	Ag	As	Bi	Sb
TR78-8-35	775	0.6	130	2	2
TR78-8-30	495	0.6	116	<2	8
TR78-8-25					
TR78-8-20	320	0.2	54	<2	4
TR78-8-15	1230	1.0	96	<2	8
TR78-8-10	450	0.6	104	2	10
TR78-8-5	3000	1.0	102	6	12
TR78-8-0	670	1.4	220	10	14
D97-006	245	0.6	28	4	14
D97-005	335	1.6	18	<2	12
D97-004	150	1.4	40	<2	<2

	Au	Ag	As	Bi	Sb
TR78-6-25	120	1.2	656	<2	14
TR78-6-30	95	6.0	684	<2	64
TR78-6-35	75	0.6	520	<2	16
TR78-6-40	370	7.6	1550	<2	88
TR78-6-45	365	6.0	1340	<2	50
D97-007	615	19.6	1025	<2	204
D97-008	55	0.8	28	<2	<2
D97-009	70	0.8	26	<2	<2

Au	Ag	As	Bi	Sb	
75	5.0	46	30	<2	D97-010

LEGEND

•	SOIL(TRENCH) SAMPLE
×	ROCK SAMPLE
D97-001	SAMPLE NUMBER

Au	Ag	As	Bi	Sb	
10	0.6	42	<2	12	ASSAY RESULTS

200 100 0 40 80 120 160 200
metres

SONORA GULCH PROPERTY
WHITEHORSE MINING DISTRICT

ROCK AND SOIL SAMPLE LOCATIONS

Aurum Geological Consultants Inc.	Date: APRIL, 1998		
NTS: 115	Drawn: JC	Scale: 1:12,500	Figure: 8

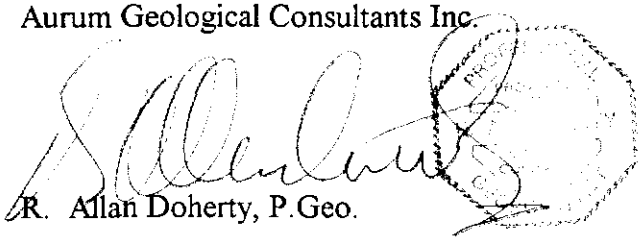
CONCLUSIONS AND RECOMMENDATIONS

The Sonora Gulch property covers a late Cretaceous rhyolite porphyry intruding Yukon Tanana Terrane metasedimentary and metavolcanic rocks. Anomalous gold in the 1-3 gm range is found within the rhyolite porphyry and within quartz-calcite sulphosalt veins within the metasediments on the northeast side of the Rhyolite porphyry.

Resampling of old trenches in 1997 has confirmed that the rhyolite porphyry hosts anomalous gold in the 1-3 gram per tonne range and can be considered as the source of the gold mineralization at Sonora gulch.

It is recommended that addition work consisting of mapping, auger soil sampling and trenching be completed on the claims.

Respectfully submitted;
Aurum Geological Consultants Inc.



R. Allan Doherty, P.Geo.

April 9, 1998

REFERENCES

Bidwell, G.E., 1978 Assessment Report, Diamond Drilling Program August 1977. Sam 1 - 98 Claims, Whitehorse Mining District 115-J-9 and 115-I-12. Assessment Report # 091347.

Douglas, G., 1981. Assessment Report Diamond Drilling Program October 1980. Sam and Swede Claims, Whitehorse Mining District Nts 115 J/9. Assessment Report # 090777 for Hudson Bay Mining and Smelting Co., Limited.

Douglas, G., 1982. An overview of Operations Carried out at Sonora Gulch, Yukon Territory, 1975-1981. Private Company report for Hudson Bay Mining and Smelting Co., Limited.. 34 p

Douglas, G., 1984. Assessment Report Surface Exploration Program, Sam and Swede claims, Whitehorse Mining District, Yukon Territory NTS 115 J/9 and 115 I/12. Assessment Report #091522 for Hudson Bay Mining and Smelting Co., Limited.

Douglas, G., 1985. Assessment Report Trench and Diamond Drill Program, August-September 1984. Sam & Swede Claims, Whitehorse Mining District, Yukon Territory NTS 115 J/9, 115I/12. For Hayes Resources Inc. Assessment Report # 091612

Hart, C.J.R., 1998. Tad - an unusual porphyry occurrence in the Dawson Range, Yukon. In: Yukon Exploration and Geology 1997: Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p 145-151.

McKinney, J.S., 1976. Assessment Report Sam Claims, Whitehorse M.D. 115-J-9 and 115-I-12. Assessment Report 3 090148 for Anglo American Corp. of Canada Exploration Ltd.

Payne, J.G., Gonzalez, R. A., Akhurst, K., and Sisson, W., 1987. Geology of Colorado Creek (115-J/10 , Selwyn River (115-J/9), and Prospector Mountain (115-I/5) Map Areas, western Dawson Range, West central Yukon. Indian and Northern Affairs Canada Open File 1987-3.

Tempelman-Kluit, D.J., 1974. Reconnaissace Geology of Aishihik Lake, Snag and part of Stewart River Map-Areas, west Central Yukon: GSC Paper 73-41

Walker, A. A., 1977. Assessment report Geochemical, Electromagnetic and Geological Surveys, August 1977. Sam 1-98 Claims, NTS 115-J-9 and 115-I-12. Assessment report # 090223 for Anglo American Corp. of Canada Exploration.

Walton, L., 1987. Assessment report, Magnetometer Survey Hayes Creek Area, Yukon NTS 115J/9, 115I/12

Watson, K. W., 1982. Summary Report on the Placer Potential of the Hayes Creek Area, Central Yukon.

STATEMENT OF QUALIFICATIONS

I, R. Allan Doherty, with business address:
Aurum Geological Consultants Inc.
205 - 100 Main Street
P.O. Box 4367
Whitehorse, Yukon
Y1A 3T5

1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC., 205 - 100 Main Street, P.O. Box 4367, Whitehorse, Yukon.

2. I am a graduate of the University of New Brunswick, with a degree in geology (Hons.B.Sc., 1977) and that I attended graduate school at Memorial University of Newfoundland (1978-81). I have been involved in geological mapping and mineral exploration continuously since then.

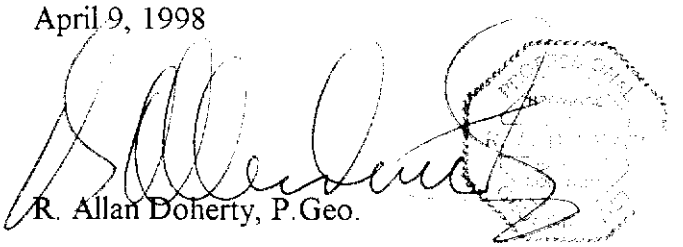
3. I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 20564.

4. I have based this report on property work completed between October 8-10, 1997 my knowledge of the area and on referenced sources.

5. I am the President and sole shareholder of Selwyn Minerals Inc.

6. I consent to the use of this report by Selwyn Minerals Inc., provided that no portion is used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.

April 9, 1998



R. Allan Doherty, P.Geo.

STATEMENT OF COSTS

1997 Assessment Work Valuation; Sam 1-12 & W1F Claims, 106 D/4. Work completed between September 16-26, 1997.

A. Personnel

R. Allan Doherty, P. Geo. , Prospector, mapping, sampling October 8-10, 1997, 3 Day @ $350/day	$1,050.00
Joseph A. J. Clarke, CET, Prospector, Sampler October 8-10, 1997, 3 Day @ $300/day	$ 900.00
Wendy Bushell, Sampler October 8-10, 1997 3 day @ $250.00	$ 750.00

B. Expenses

Camp Costs (9 man days @ $75 per day)	$ 675.00
Trans North Helicopters	$2,651.32
Truck rental:	$ 200.00
Gasoline:	$ 95.53
Analytical Costs:	$1,417.50
Shipping:	$ 49.50
Sample bags, flagging tape :	$ 100.00

C. Report Costs

Report Writing and Reprographics	$2,000.00
Sub-Total	**$9,888.85**
GST (7% of $4,864.03)	$ 692.22
TOTAL ASSESSMENT VALUE	**$10,581.07**

APPENIX A

SONORA GULCH
ROCK SAMPLE DESCRIPTIONS

SONORA GULCH
ROCK SAMPLES 1997

Sample #	Elevation	Type	EW	Description	ppm Cu	Pb	ppm Zn	ppb Ag	ppm As	ppm Bi	ppb Au
D97-001				Rhyolite Porphyry, rusty br weathering, qtz & F'spar eyes Strong Limonite stain, no CaCo3, Py < 2%, Feldspars are clay altered, serecitized. One thin qtz vein with carbonate	62	18	90	0.6	42	<2	10
D97-002				Rhyolite Porphyry, tan coloured, greenish waxy (serecite) Trace carbonate, Diss Py to 5%. some iridescnt blue and reddish grains (poss sulphosalts). Clay altered, Qtz flooded and saccharoidal. Pitted texture caused by vapour phase	158	4	88	0.6	10	<2	30
D97-003				Rhyolite Porphyry: pitted and limonite stained, >5% py possible sulphosalts, quartz eyes, serecite altered, weak carbonate alteration. Sooty grey soft mineral rimmed by Py.	109	24	158	0.8	30	<2	10
D97-004				Rhyolite Porphyry with 5% diss Py, Moderate serecite alteration, some segregated sulphide clots pitted surface Limonite stain and Mn-oxides. Weak $CaCo_3$	260	6	30	1.4	40	<2	150
D97-005				Same as D97-004	489	10	40	1.6	18	<2	335
D97-006				Rhyolite Porphyry: light gray-white, bleached fine grained porphyry. rare quartz eyes, saccaroidal texture. Argillically altered, white chalky feldspars. Thin fractures filled with quartz veins. No calcite. Limonite after sulphides.	12	8	4	0.6	28	4	245
D97-007				Same as D97-006	33	1490	36	19.6	1025	<2	615
D97-008				same as D97-004	19	30	54	0.8	28	<2	55
D97-009				Rhyolite porphyry, same as above	152	26	60	0.8	26	<2	70
D97-010				Quartz vein in Metasediments, >5% py, trace Cpy.	772	24	732	5	46	30	75

APPENDIX B
GEOCHEMICAL ANALYSES AND STATISTICS

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: AURUM GEOLOGICAL CONSULTANTS INC.

P.O. BOX 4367
WHITEHORSE, YT
Y1A 3T5

A9747993

Comments: ATTN:AL DOHERTY

CERTIFICATE A9747993

(LIS) - AURUM GEOLOGICAL CONSULTANTS INC.

Project:
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 29-OCT-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
217	36	Geochem ring entire sample
229	36	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	36	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	36	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	36	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	36	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	36	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	36	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	36	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	36	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	36	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	36	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	36	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	36	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	36	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	36	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	36	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	36	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	36	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	36	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	36	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	36	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	36	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	36	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	36	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	36	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	36	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	36	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	36	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	36	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	36	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	36	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	36	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	36	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	36	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: AURUM GEOLOGICAL CONSULTANTS INC. **

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Y1A 3T5

Project :
Comments: ATTN:AL DOHERTY

Certificate Date: 29-OCT-97
Invoice No. : I9747993
P.O. Number :
Account : LIS

CERTIFICATE OF ANALYSIS A9747993

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
T78-2-00	217	229	80	1.4	0.90	232	320	< 0.5	16	0.20	1.0	7	57	108	2.59	< 10	< 1	0.46	20	0.08	230
T78-2-05	217	229	170	1.6	1.01	224	400	0.5	38	0.22	1.5	7	70	123	2.72	< 10	< 1	0.51	20	0.08	215
T78-2-10	217	229	90	1.4	0.68	280	290	< 0.5	14	0.16	1.5	8	31	139	3.05	< 10	< 1	0.32	20	0.06	235
T78-2-15	217	229	65	1.6	0.80	182	270	< 0.5	6	0.14	0.5	4	55	135	2.40	< 10	< 1	0.46	10	0.07	115
T78-2-20	217	229	140	2.0	0.82	232	290	0.5	12	0.46	2.0	8	41	173	2.54	< 10	< 1	0.41	10	0.10	240
T78-2-25	217	229	55	1.4	0.90	238	160	0.5	6	0.13	1.5	7	51	71	3.34	< 10	< 1	0.44	20	0.08	185
T78-2-30	217	229	115	3.6	0.45	844	160	< 0.5	8	0.10	7.0	5	27	125	3.32	< 10	< 1	0.26	10	0.05	125
T78-2-35	217	229	55	1.4	0.58	144	70	< 0.5	6	0.61	2.5	7	40	83	3.05	< 10	< 1	0.34	< 10	0.07	155
T78-2-40	217	229	290	2.0	0.38	1670	150	< 0.5	2	0.14	4.0	1	21	46	2.43	< 10	< 1	0.24	10	0.04	25
T78-2-45	217	229	180	4.2	0.53	986	160	< 0.5	16	0.14	2.0	7	41	170	3.71	< 10	< 1	0.32	10	0.05	110
T78-2-50	217	229	90	1.2	0.56	250	170	0.5	8	0.44	1.5	11	28	175	3.11	< 10	< 1	0.30	10	0.06	215
T78-6-25	217	229	120	1.2	1.41	656	190	< 0.5	< 2	0.09	< 0.5	1	45	41	3.26	< 10	< 1	0.32	20	0.35	65
T78-6-30	217	229	95	6.0	0.96	684	60	< 0.5	< 2	0.05	< 0.5	1	20	44	2.29	< 10	< 1	0.25	10	0.07	25
T78-6-35	217	229	75	0.6	1.55	520	140	< 0.5	< 2	0.12	< 0.5	4	48	39	2.76	< 10	< 1	0.27	10	0.39	110
T78-6-40	217	229	370	7.6	1.59	1550	380	0.5	< 2	0.08	0.5	5	30	66	4.69	< 10	< 1	0.26	20	0.25	80
T78-6-45	217	229	365	6.0	1.23	1340	200	0.5	< 2	0.07	1.0	3	28	108	4.57	< 10	< 1	0.24	10	0.17	55
T78-6-50	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
T78-8-00	217	229	670	1.4	1.23	220	190	< 0.5	10	0.07	< 0.5	3	33	167	4.93	< 10	< 1	0.20	10	0.35	140
T78-8-05	217	229	3000	1.0	1.42	102	130	< 0.5	6	0.09	< 0.5	1	27	172	4.90	< 10	< 1	0.36	10	0.52	75
T78-8-10	217	229	450	0.6	1.27	104	400	0.5	2	0.05	< 0.5	3	26	212	6.21	< 10	< 1	0.30	30	0.25	70
T78-8-15	217	229	1230	1.0	0.98	96	300	0.5	< 2	0.03	< 0.5	1	45	132	5.65	< 10	< 1	0.49	30	0.11	45
T78-8-20	217	229	320	0.2	1.34	54	70	0.5	< 2	0.07	< 0.5	4	22	234	4.62	< 10	< 1	0.23	20	0.48	80
T78-8-25	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
T78-8-30	217	229	495	0.6	1.68	116	110	0.5	< 2	0.06	< 0.5	3	37	188	3.94	< 10	< 1	0.26	20	0.49	110
T78-8-35	217	229	775	0.6	1.21	130	90	< 0.5	2	0.11	< 0.5	4	33	80	2.98	< 10	< 1	0.17	10	0.45	160
T78-13-00	217	229	30	0.8	0.57	138	110	0.5	2	0.06	0.5	6	39	65	1.82	< 10	< 1	0.32	10	0.05	170
T78-13-05	217	229	25	0.6	0.76	106	90	0.5	< 2	0.06	0.5	9	34	103	3.10	< 10	< 1	0.35	20	0.05	310
T78-13-10	217	229	20	0.6	0.70	98	330	< 0.5	2	0.09	< 0.5	3	27	54	2.82	< 10	< 1	0.32	20	0.07	90
T78-13-15	217	229	25	0.6	0.71	294	60	0.5	< 2	0.13	0.5	6	24	69	2.53	< 10	< 1	0.26	10	0.04	185
T78-13-20	217	229	70	1.2	0.95	408	90	1.0	4	0.14	2.0	7	37	188	3.86	< 10	< 1	0.39	20	0.07	170
T78-13-25	217	229	110	1.0	1.15	346	140	0.5	4	0.14	1.0	14	31	185	3.11	< 10	< 1	0.35	10	0.22	350
T84-17-00	217	229	100	0.8	0.81	556	130	< 0.5	< 2	0.11	1.0	7	27	77	2.35	< 10	< 1	0.32	10	0.15	225
T84-17-05	217	229	90	1.0	0.69	192	90	0.5	< 2	0.13	0.5	10	20	165	2.39	< 10	< 1	0.25	20	0.06	190
T84-17-10	217	229	165	2.0	0.98	1340	170	0.5	2	0.16	6.5	4	41	179	2.60	< 10	< 1	0.48	30	0.08	100
T84-17-15	217	229	95	1.0	0.82	198	290	0.5	2	0.17	1.0	8	31	113	3.83	< 10	< 1	0.36	30	0.09	170
T84-17-20	217	229	130	0.6	1.05	244	150	0.5	< 2	0.15	1.0	16	31	62	2.94	< 10	< 1	0.31	20	0.30	365
T84-17-25	217	229	115	0.8	1.01	510	130	0.5	< 2	0.15	2.0	10	29	112	2.82	< 10	< 1	0.28	10	0.28	275
T84-17-30	217	229	55	0.6	0.63	718	120	0.5	2	0.17	3.5	11	22	81	2.84	< 10	< 1	0.25	20	0.07	265

CERTIFICATION: [signature]

Chemex Labs Ltd.

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Account : LIS

CERTIFICATE OF ANALYSIS A9747993

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
T78-2-00	217	229	1	0.01	6	540	48	4	1	15	< 0.01	< 10	< 10	12	< 10	134
T78-2-05	217	229	1	0.01	6	550	44	4	2	17	< 0.01	< 10	< 10	13	< 10	152
T78-2-10	217	229	1	0.01	6	570	50	8	1	15	< 0.01	< 10	< 10	10	< 10	162
T78-2-15	217	229	< 1	0.01	3	450	30	6	1	14	< 0.01	< 10	< 10	9	< 10	106
T78-2-20	217	229	1	0.01	6	520	48	8	1	28	< 0.01	< 10	< 10	10	< 10	160
T78-2-25	217	229	< 1	0.03	7	560	38	10	2	13	< 0.01	< 10	< 10	15	< 10	188
T78-2-30	217	229	< 1	< 0.01	4	520	120	16	1	10	< 0.01	< 10	< 10	6	< 10	222
T78-2-35	217	229	< 1	0.01	6	580	52	8	1	30	< 0.01	< 10	< 10	6	< 10	226
T78-2-40	217	229	< 1	< 0.01	1	440	1070	22	< 1	28	< 0.01	< 10	< 10	3	< 10	236
T78-2-45	217	229	< 1	< 0.01	4	590	100	12	1	15	< 0.01	< 10	< 10	6	< 10	174
T78-2-50	217	229	< 1	0.01	6	550	42	4	2	33	< 0.01	< 10	< 10	10	< 10	180
T78-6-25	217	229	2	0.05	4	710	150	14	3	76	< 0.01	< 10	< 10	29	< 10	48
T78-6-30	217	229	3	0.01	3	500	92	64	2	67	< 0.01	< 10	< 10	15	< 10	66
T78-6-35	217	229	1	0.04	5	460	114	16	3	32	0.01	< 10	< 10	31	< 10	90
T78-6-40	217	229	2	0.04	7	790	566	88	4	45	< 0.01	< 10	< 10	27	< 10	246
T78-6-45	217	229	1	0.02	5	760	502	50	4	36	< 0.01	< 10	< 10	22	< 10	236
T78-6-50	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
T78-8-00	217	229	5	0.03	6	820	42	14	2	49	0.01	< 10	< 10	30	< 10	72
T78-8-05	217	229	5	0.04	3	790	24	12	3	45	0.04	< 10	< 10	40	< 10	40
T78-8-10	217	229	13	0.09	6	1200	34	10	2	77	< 0.01	< 10	< 10	20	< 10	106
T78-8-15	217	229	20	0.10	3	1120	24	8	1	153	< 0.01	< 10	< 10	12	< 10	92
T78-8-20	217	229	11	0.03	6	790	22	4	2	11	< 0.01	< 10	< 10	20	< 10	92
T78-8-25	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
T78-8-30	217	229	12	0.03	5	760	36	8	2	27	< 0.01	< 10	< 10	26	< 10	74
T78-8-35	217	229	9	0.03	6	530	32	2	2	20	0.02	< 10	< 10	29	< 10	62
T78-13-00	217	229	1	< 0.01	4	380	24	14	1	12	< 0.01	< 10	< 10	8	< 10	136
T78-13-05	217	229	< 1	< 0.01	6	680	28	10	3	5	< 0.01	< 10	< 10	15	< 10	262
T78-13-10	217	229	< 1	< 0.01	5	650	18	14	1	9	< 0.01	< 10	< 10	11	< 10	184
T78-13-15	217	229	< 1	< 0.01	7	610	26	10	3	13	< 0.01	< 10	< 10	11	< 10	144
T78-13-20	217	229	1	0.01	6	710	26	2	3	11	< 0.01	< 10	< 10	11	< 10	150
T78-13-25	217	229	< 1	0.02	10	780	28	6	4	16	< 0.01	< 10	< 10	20	< 10	178
T84-17-00	217	229	1	0.01	6	500	82	18	2	20	< 0.01	< 10	< 10	15	< 10	96
T84-17-05	217	229	1	0.01	6	640	76	30	3	11	< 0.01	< 10	< 10	12	< 10	134
T84-17-10	217	229	< 1	< 0.01	6	620	18	6	3	9	< 0.01	< 10	< 10	13	< 10	196
T84-17-15	217	229	< 1	0.04	9	690	48	8	3	25	< 0.01	< 10	< 10	15	< 10	180
T84-17-20	217	229	1	0.03	9	680	58	10	3	19	< 0.01	< 10	< 10	22	< 10	158
T84-17-25	217	229	1	0.03	9	620	76	14	3	17	< 0.01	< 10	< 10	18	< 10	310
T84-17-30	217	229	< 1	0.01	9	730	54	14	3	13	< 0.01	< 10	< 10	14	< 10	184

CERTIFICATION: _____

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A974797

Comments: ATTN:AL DOHERTY

CERTIFICATE A9747970

(LIS) - AURUM GEOLOGICAL CONSULTANTS INC.

Project:
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 2-NOV-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	10	Geochem ring to approx 150 mesh
226	10	0-3 Kg crush and split
3202	10	Rock - save entire reject
229	10	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	10	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	10	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	10	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	10	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	10	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	10	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	10	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	10	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	10	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	10	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	10	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	10	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	10	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	10	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	10	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	10	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	10	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	10	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	10	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	10	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	10	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	10	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	10	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	10	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	10	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	10	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	10	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	10	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	10	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	10	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	10	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	10	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	10	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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Project :
Comments: ATTN:AL DOHERTY

Page Number : 1-A
Total Pages : 1
Certificate Date: 02-NOV-97
Invoice No. : I9747970
P.O. Number :
Account : LIS

CERTIFICATE OF ANALYSIS A9747970

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
D97-001	205	226	10	0.6	0.66	42	100	0.5	< 2	2.32	4.0	6	72	62	2.36	< 10	< 1	0.25	10	0.65	255
D97-002	205	226	30	0.6	0.71	10	140	< 0.5	< 2	2.30	3.0	9	51	158	2.04	< 10	1	0.27	10	0.44	300
D97-003	205	226	10	0.8	0.55	30	60	< 0.5	< 2	1.16	3.0	6	53	109	3.96	< 10	< 1	0.23	10	0.21	180
D97-004	205	226	150	1.4	1.30	40	90	< 0.5	< 2	0.28	< 0.5	8	49	260	2.95	< 10	< 1	0.23	10	0.73	75
D97-005	205	226	335	1.6	1.45	18	80	< 0.5	< 2	0.40	1.0	6	58	489	2.35	< 10	< 1	0.17	10	0.82	85
D97-006	205	226	245	0.6	0.55	28	110	< 0.5	4	< 0.01	< 0.5	< 1	39	12	0.68	< 10	< 1	0.31	< 10	0.06	5
D97-007	205	226	615	19.6	0.58	1025	70	< 0.5	< 2	0.02	< 0.5	< 1	52	33	2.87	< 10	< 1	0.38	< 10	0.04	5
D97-008	205	226	55	0.8	1.60	28	170	< 0.5	< 2	0.20	< 0.5	6	53	19	2.13	< 10	1	0.19	10	0.60	65
D97-009	205	226	70	0.8	1.25	26	140	< 0.5	< 2	0.36	0.5	4	74	152	2.10	< 10	< 1	0.36	20	0.73	85
D97-010	205	226	75	5.0	1.59	46	50	< 0.5	30	2.48	11.0	10	113	772	3.81	< 10	< 1	0.21	30	1.28	445

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: AURUM GEOLOGICAL CONSULTANTS INC. **

P.O. BOX 4367
WHITEHORSE, YT
Y1A 3T5

Project :
Comments: ATTN:AL DOHERTY

Certificate Date: 02-NOV-97
Invoice No. : I9747970
P.O. Number :
Account : LIS

CERTIFICATE OF ANALYSIS A9747970

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
D97-001	205	226	< 1	< 0.01	9	500	18	12	2	97	< 0.01	< 10	< 10	13	< 10	90
D97-002	205	226	< 1	0.01	13	530	4	< 2	2	123	< 0.01	< 10	< 10	14	< 10	88
D97-003	205	226	< 1	0.01	12	500	24	< 2	3	56	< 0.01	< 10	< 10	14	< 10	158
D97-004	205	226	3	0.03	4	520	6	< 2	2	19	< 0.01	< 10	< 10	23	< 10	30
D97-005	205	226	< 1	0.05	5	560	10	< 2	4	32	0.02	< 10	< 10	37	< 10	40
D97-006	205	226	15	< 0.01	< 1	70	8	< 2	< 1	17	< 0.01	< 10	< 10	4	< 10	4
D97-007	205	226	18	0.01	< 1	120	1490	204	< 1	21	< 0.01	< 10	< 10	3	< 10	36
D97-008	205	226	1	0.06	6	520	30	< 2	4	37	< 0.01	< 10	< 10	35	< 10	54
D97-009	205	226	1	0.07	5	530	26	< 2	4	48	0.01	< 10	< 10	35	< 10	60
D97-010	205	226	< 1	0.02	27	640	24	< 2	7	71	0.01	< 10	< 10	59	< 10	732

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: AURUM GEOLOGICAL CONSULTANTS INC.

P.O. BOX 4367
WHITEHORSE, YT
Y1A 3T5

A974987

Comments: ATTN:AL DOHERTY

CERTIFICATE A9749871

(LIS) - AURUM GEOLOGICAL CONSULTANTS INC.

Project:
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 14-NOV-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	36	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
54	36	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0
19	36	Sn ppm: NH4I sublimation, extrac	AAS	2	1000

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: AURUM GEOLOGICAL CONSULTANTS INC.
P.O. BOX 4367
WHITEHORSE, YT
Y1A 3T5

Project :
Comments: ATTN:AL DOHERTY

Certificate Date: 14-NOV-97
Invoice No. : 19749871
P.O. Number :
Account :LIS

CERTIFICATE OF ANALYSIS A9749871

SAMPLE	PREP CODE		Te ppm	Sn ppm
T78-2-00	244	--	0.8	< 2
T78-2-05	244	--	0.6	< 2
T78-2-10	244	--	0.7	< 2
T78-2-15	244	--	0.5	< 2
T78-2-20	244	--	0.6	< 2
T78-2-25	244	--	0.9	< 2
T78-2-30	244	--	0.7	4
T78-2-35	244	--	0.6	< 2
T78-2-40	244	--	0.8	< 2
T78-2-45	244	--	0.6	< 2
T78-2-50	244	--	0.7	< 2
T78-6-25	244	--	0.7	< 2
T78-6-30	244	--	0.6	< 2
T78-6-35	244	--	0.3	< 2
T78-6-40	244	--	0.3	< 2
T78-6-45	244	--	0.4	< 2
T78-6-50	--	--	NotRcd	NotRcd
T78-8-00	244	--	3.7	< 2
T78-8-05	244	--	1.9	< 2
T78-8-10	244	--	0.9	< 2
T78-8-15	244	--	0.8	< 2
T78-8-20	244	--	0.5	< 2
T78-8-25	--	--	NotRcd	NotRcd
T78-8-30	244	--	0.5	< 2
T78-8-35	244	--	0.5	< 2
T78-13-00	244	--	0.7	< 2
T78-13-05	244	--	0.2	< 2
T78-13-10	244	--	0.1	< 2
T78-13-15	244	--	0.2	< 2
T78-13-20	244	--	0.3	< 2
T78-13-25	244	--	0.4	< 2
T84-17-00	244	--	0.3	< 2
T84-17-05	244	--	0.2	< 2
T84-17-10	244	--	0.1	< 2
T84-17-15	244	--	0.2	< 2
T84-17-20	244	--	0.2	< 2
T84-17-25	244	--	0.2	< 2
T84-17-30	244	--	0.2	< 2

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: AURUM GEOLOGICAL CONSULTANTS INC.

P.O. BOX 4367
WHITEHORSE, YT
Y1A 3T5

A9749870

Comments: ATTN:AL DOHERTY

CERTIFICATE A9749870

(LIS) - AURUM GEOLOGICAL CONSULTANTS INC.

Project:
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 14-NOV-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	10	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
54	10	Te ppm: HBr-Br2 digest, extrac	AAS-BKGD CORR	0.1	100.0
19	10	Sn ppm: NH4I sublimation, extrac	AAS	2	1000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: AURUM GEOLOGICAL CONSULTANTS INC. **

P.O. BOX 4367
WHITEHORSE, YT
Y1A 3T5

Project :
Comments: ATTN:AL DOHERTY

Certificate Date: 14-NOV-97
Invoice No. :19749870
P.O. Number :
Account :LIS

CERTIFICATE OF ANALYSIS A9749870

SAMPLE	PREP CODE	Te ppm	Sn ppm
D97-001	244 --	< 0.1	< 2
D97-002	244 --	0.1	< 2
D97-003	244 --	< 0.1	2
D97-004	244 --	< 0.1	2
D97-005	244 --	< 0.1	< 2
D97-006	244 --	1.0	< 2
D97-007	244 --	0.6	< 2
D97-008	244 --	< 0.1	< 2
D97-009	244 --	0.2	< 2
D97-010	244 --	2.3	2

CERTIFICATION:

1997 Sonora Gulch. Correlations Rock Samples. N=10 WORKING SHEET																												
	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Te	Tl	V	Zn
Au	1.000																											
Ag	0.821	1.000																										
Al	-0.170	-0.208	1.000																									
As	0.827	0.976	-0.339	1.000																								
Ba	-0.327	-0.397	0.156	-0.295	1.000																							
Bi	-0.144	0.101	0.416	-0.102	-0.456	1.000																						
Ca	-0.564	-0.238	-0.068	-0.312	-0.196	0.502	1.000																					
Cd	-0.355	-0.022	0.218	-0.191	-0.481	0.904	0.804	1.000																				
Co	-0.625	-0.424	0.489	-0.541	-0.073	0.464	0.694	0.620	1.000																			
Cr	-0.283	0.025	0.476	-0.139	-0.340	0.844	0.602	0.857	0.500	1.000																		
Cu	-0.065	-0.036	0.620	-0.239	-0.517	0.794	0.400	0.718	0.626	0.741	1.000																	
Fe	-0.117	0.249	0.182	0.143	-0.649	0.431	0.361	0.544	0.501	0.500	0.481	1.000																
K	0.417	0.519	-0.542	0.596	0.089	-0.234	-0.275	-0.315	-0.670	-0.171	-0.479	-0.290	1.000															
La	-0.221	0.039	0.495	-0.141	-0.266	0.879	0.394	0.759	0.376	0.911	0.722	0.374	0.000	1.000														
Mg	-0.396	-0.308	0.815	-0.462	-0.100	0.637	0.441	0.612	0.733	0.796	0.816	0.354	-0.536	0.700	1.000													
Mn	-0.560	-0.217	0.152	-0.346	-0.269	0.702	0.954	0.916	0.786	0.748	0.607	0.484	-0.357	0.603	0.604	1.000												
Mo	0.793	0.693	-0.516	0.740	-0.185	-0.138	-0.506	-0.335	-0.799	-0.407	-0.388	-0.346	0.652	-0.251	-0.689	-0.554	1.000											
Na	-0.113	-0.265	0.739	-0.276	0.512	-0.140	-0.431	-0.325	0.022	0.106	0.103	-0.155	-0.148	0.182	0.421	-0.307	-0.403	1.000										
Ni	-0.508	-0.154	0.291	-0.320	-0.344	0.831	0.821	0.954	0.761	0.802	0.704	0.592	-0.407	0.726	0.635	0.950	-0.519	-0.211	1.000									
P	-0.664	-0.511	0.632	-0.601	0.045	0.303	0.529	0.454	0.871	0.552	0.569	0.495	-0.647	0.399	0.811	0.625	-0.962	0.400	0.619	1.000								
Pb	0.826	0.974	-0.339	0.999	-0.277	-0.115	-0.319	-0.204	-0.547	-0.149	-0.249	0.136	0.599	-0.148	-0.470	-0.353	0.735	-0.261	-0.326	-0.599	1.000							
Sb	0.822	0.968	-0.361	0.999	-0.281	-0.126	-0.297	-0.201	-0.547	-0.150	-0.260	0.126	0.600	-0.165	-0.473	-0.344	0.735	-0.284	-0.332	-0.602	0.999	1.000						
Sc	-0.364	-0.197	0.772	-0.375	-0.156	0.746	0.351	0.676	0.584	0.823	0.789	0.474	-0.494	0.812	0.837	0.580	-0.599	0.441	0.740	0.713	-0.374	-0.396	1.000					
Sr	-0.593	-0.306	-0.184	-0.313	0.147	0.163	0.901	0.507	0.581	0.346	0.105	0.130	-0.126	0.156	0.240	0.785	-0.523	-0.303	0.596	0.481	-0.308	-0.287	0.147	1.000				
Te	0.089	0.259	0.214	0.081	-0.464	0.929	0.302	0.756	0.140	0.672	0.623	0.215	0.011	0.786	0.371	0.480	0.214	-0.257	0.619	-0.063	0.067	0.055	0.523	-0.026	1.000			
Tl	0.320	-0.090	0.331	-0.124	-0.189	-0.120	-0.189	-0.155	0.035	-0.057	0.405	-0.065	-0.450	-0.156	0.243	-0.159	-0.178	0.329	-0.150	0.204	-0.116	-0.117	0.192	-0.199	-0.183	1.000		
V	-0.316	-0.230	0.900	-0.403	-0.058	0.679	0.245	0.559	0.605	0.764	0.805	0.368	-0.518	0.765	0.914	0.479	-0.610	0.567	0.621	0.736	-0.404	-0.425	0.963	0.059	0.450	0.265	1.000	
Zn	-0.262	0.061	0.377	-0.134	-0.483	0.971	0.619	0.957	0.565	0.881	0.784	0.584	-0.286	0.866	0.649	0.805	-0.280	-0.163	0.923	0.434	-0.145	-0.155	0.787	0.298	0.840	-0.145	0.684	1.000

* #DIV/0! Occurs when all assay values returned are below detection level.

1997 Sonora Gulch. Correlations Trench Soil Samples. N=38 WORKING																												
	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sn	Sr	Te	Ti	V	Zn
Au	1.000																											
Ag	-0.041	1.000																										
Al	0.391	0.072	1.000																									
As	-0.136	0.690	-0.048	1.000																								
Ba	0.012	0.183	0.114	0.023	1.000																							
Bi	-0.033	0.068	-0.152	-0.119	0.446	1.000																						
Ca	-0.217	-0.090	-0.372	-0.123	0.002	0.306	1.000																					
Cd	-0.165	0.100	-0.472	0.474	-0.093	0.100	0.246	1.000																				
Co	-0.412	-0.240	-0.300	-0.200	-0.123	0.119	0.373	0.085	1.000																			
Cr	-0.096	-0.095	0.116	-0.191	0.404	0.619	0.189	-0.056	-0.043	1.000																		
Cu	0.247	-0.169	0.151	-0.257	0.076	0.184	0.065	0.110	0.083	-0.042	1.000																	
Fe	0.537	0.122	0.504	-0.058	0.316	-0.103	-0.295	-0.204	-0.341	-0.124	0.468	1.000																
K	0.018	-0.140	-0.133	-0.190	0.444	0.447	0.220	0.129	0.072	0.734	0.151	-0.073	1.000															
La	-0.029	-0.068	0.120	-0.110	0.393	-0.054	-0.244	0.024	-0.023	0.043	0.213	0.344	0.361	1.000														
Mg	0.536	-0.185	0.837	-0.181	-0.149	-0.221	-0.293	-0.373	-0.244	-0.095	0.188	0.433	-0.380	-0.135	1.000													
Mn	-0.327	-0.397	-0.231	-0.346	-0.118	0.185	0.300	0.019	0.916	0.076	0.028	-0.392	0.139	-0.086	-0.160	1.000												
Mo	0.469	-0.192	0.430	-0.314	0.123	-0.189	-0.338	-0.267	-0.439	-0.048	0.365	0.681	-0.042	0.395	0.464	-0.397	1.000											
Na	0.437	-0.114	0.529	-0.172	0.352	-0.256	-0.346	-0.332	-0.337	0.037	0.124	0.756	0.055	0.409	0.445	-0.338	0.767	1.000										
Ni	-0.319	-0.232	0.105	-0.199	0.002	-0.036	0.188	-0.030	0.771	-0.096	0.099	-0.037	-0.037	0.194	0.053	0.740	-0.222	-0.044	1.000									
P	0.403	-0.061	0.457	-0.151	0.298	-0.210	-0.314	-0.227	-0.150	-0.192	0.444	0.877	0.000	0.516	0.334	-0.185	0.696	0.779	0.166	1.000								
Pb	-0.011	0.490	-0.047	0.773	0.096	-0.131	-0.091	0.179	-0.287	-0.226	-0.340	0.025	-0.290	-0.199	-0.074	-0.380	-0.148	-0.043	-0.348	-0.115	1.000							
Sb	-0.012	0.840	0.223	0.588	0.089	-0.230	-0.255	-0.172	-0.228	-0.333	-0.357	0.095	-0.358	-0.002	-0.026	-0.364	-0.128	0.011	-0.132	0.027	0.515	1.000						
Sc	0.075	0.149	0.509	0.250	-0.187	-0.328	-0.248	-0.174	0.256	-0.255	-0.011	0.168	-0.214	0.073	0.317	0.197	-0.171	0.115	0.522	0.290	0.072	0.345	1.000					
Sn	-0.056	0.194	-0.257	0.157	-0.040	0.062	-0.067	0.599	-0.047	-0.116	0.019	-0.003	-0.128	-0.152	-0.138	-0.066	-0.078	-0.109	-0.151	-0.131	0.013	0.008	-0.209	1.000				
Sr	0.417	0.144	0.318	-0.023	0.287	-0.149	-0.185	-0.291	-0.483	0.034	-0.018	0.583	0.097	0.256	0.185	-0.483	0.680	0.804	-0.345	0.610	0.077	0.205	-0.063	-0.115	1.000			
Te	0.488	-0.019	0.175	-0.159	0.069	0.222	-0.084	-0.116	-0.332	0.049	0.226	0.413	-0.119	-0.218	0.302	-0.207	0.220	0.198	-0.248	0.215	-0.016	-0.068	-0.198	0.025	0.296	1.000		
Ti	0.893	-0.099	0.270	-0.168	-0.138	-0.016	-0.095	-0.122	-0.255	-0.119	0.120	0.234	-0.029	-0.194	0.482	-0.156	0.148	0.142	-0.221	0.097	-0.085	-0.071	0.124	-0.036	0.078	0.329	1.000	
V	0.571	-0.026	0.879	-0.097	-0.043	-0.209	-0.371	-0.462	-0.227	-0.057	0.024	0.439	-0.303	-0.074	0.881	-0.123	0.290	0.452	0.124	0.368	-0.075	0.175	0.557	-0.208	0.248	0.352	0.541	1.000
Zn	-0.415	0.266	-0.432	0.427	0.065	0.003	0.280	0.467	0.422	-0.118	-0.136	-0.179	0.038	-0.008	-0.494	0.315	-0.478	-0.325	0.330	-0.155	0.365	0.179	0.142	0.183	-0.379	-0.380	-0.357	-0.464	1.000

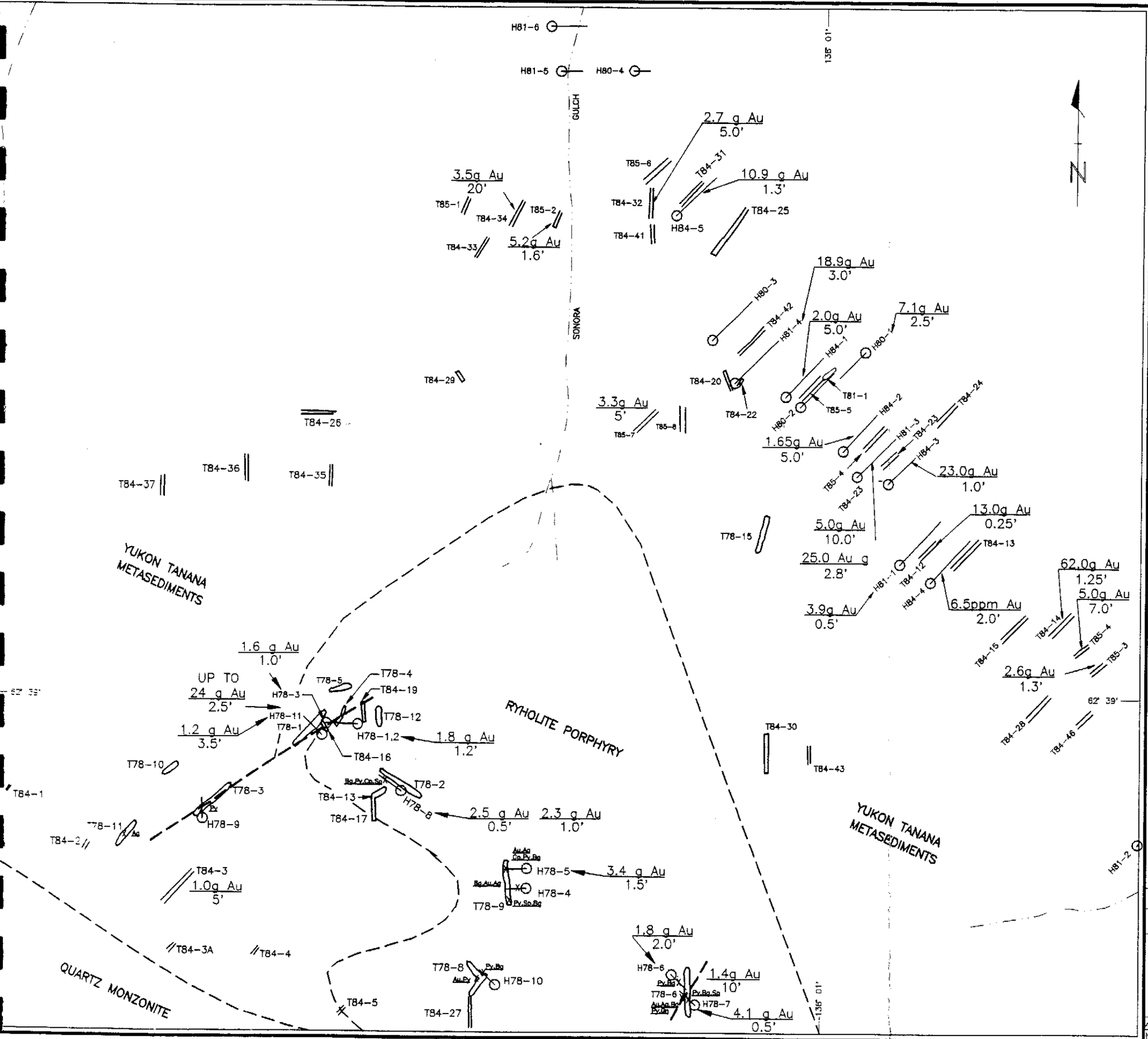
* #DIV/0! Occurs when all assay values returned are below detection level.

1997 Sonora Gulch. Correlations All Samples. N=48 WORKING

	Au	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sn	Sr	Te	Tl	V	Zn
Au	1.000																												
Ag	0.086	1.000																											
Al	0.288	-0.055	1.000																										
As	-0.036	0.510	-0.123	1.000																									
Ba	0.040	-0.050	0.073	0.110	1.000																								
Bi	-0.038	0.068	0.018	-0.099	0.309	1.000																							
Ca	-0.184	-0.056	-0.038	-0.278	-0.235	0.245	1.000																						
Cd	-0.178	0.060	-0.160	0.179	-0.195	0.395	0.602	1.000																					
Co	-0.411	-0.253	-0.124	-0.222	-0.096	0.190	0.255	0.214	1.000																				
Cr	-0.151	0.108	0.248	-0.313	-0.046	0.520	0.638	0.430	0.057	1.000																			
Cu	0.050	-0.002	0.377	-0.246	-0.159	0.427	0.452	0.533	0.231	0.518	1.000																		
Fe	0.476	0.073	0.370	0.073	0.315	0.029	-0.118	-0.032	-0.179	-0.157	0.230	1.000																	
K	0.078	0.043	-0.233	0.017	0.473	0.293	-0.225	-0.070	-0.026	0.138	-0.193	0.002	1.000																
La	-0.021	-0.051	0.193	-0.049	0.363	0.173	-0.011	0.208	0.052	0.114	0.294	0.385	0.337	1.000															
Mg	0.146	-0.094	0.679	-0.358	-0.291	0.109	0.542	0.274	0.048	0.616	0.663	0.081	-0.473	0.023	1.000														
Mn	-0.307	-0.272	-0.096	-0.299	-0.101	0.362	0.501	0.412	0.845	0.261	0.335	-0.122	0.023	0.117	0.160	1.000													
Mo	0.438	0.300	0.119	-0.114	0.030	-0.174	-0.223	-0.261	-0.510	-0.080	-0.058	0.346	0.079	0.191	-0.011	-0.458	1.000												
Na	0.353	-0.141	0.587	-0.204	0.296	-0.228	-0.172	-0.289	-0.269	0.099	0.110	0.506	-0.010	0.336	0.371	-0.325	0.425	1.000											
Ni	-0.243	-0.109	0.200	-0.249	-0.149	0.366	0.733	0.627	0.549	0.511	0.627	0.106	-0.226	0.297	0.518	0.755	-0.312	-0.082	1.000										
P	0.303	-0.302	0.416	-0.060	0.373	-0.053	-0.111	-0.070	0.057	-0.230	0.228	0.817	0.030	0.515	0.098	0.082	0.131	0.580	0.177	1.000									
Pb	0.096	0.799	-0.161	0.668	-0.013	-0.121	-0.150	-0.011	-0.335	-0.087	-0.223	0.026	-0.026	-0.179	-0.196	-0.363	0.264	-0.112	-0.286	-0.299	1.000								
Sb	0.113	0.935	-0.082	0.504	-0.042	-0.154	-0.169	-0.158	-0.288	-0.095	-0.234	0.050	0.012	-0.083	-0.207	-0.328	0.345	-0.107	-0.249	-0.269	0.828	1.000							
Sc	-0.023	-0.008	0.602	-0.008	-0.236	0.065	0.310	0.289	0.304	0.357	0.533	0.139	-0.335	0.228	0.622	0.339	-0.301	0.234	0.651	0.250	-0.130	-0.086	1.000						
Sn	-0.046	0.078	-0.217	0.164	-0.009	0.054	-0.058	0.388	-0.040	-0.115	-0.016	0.023	-0.088	-0.119	-0.114	-0.048	-0.070	-0.101	-0.086	-0.068	0.001	-0.004	-0.167	1.000					
Sr	0.236	-0.017	0.182	-0.164	0.112	-0.064	0.521	0.091	-0.252	0.307	0.133	0.324	-0.053	0.156	0.338	-0.054	0.309	0.511	0.229	0.354	-0.051	-0.019	0.100	-0.116	1.000				
Te	0.430	0.084	0.177	-0.082	0.045	0.413	0.053	0.177	-0.234	0.144	0.319	0.377	-0.060	0.022	0.191	0.017	0.204	0.079	0.149	0.170	0.008	-0.013	0.027	0.029	0.169	1.000			
Tl	0.852	-0.070	0.266	-0.153	-0.128	-0.031	-0.066	-0.113	-0.220	-0.079	0.145	0.187	-0.069	-0.182	0.267	-0.144	0.081	0.164	-0.131	0.103	-0.079	-0.063	0.118	-0.034	0.026	0.245	1.000		
V	0.299	-0.092	0.854	-0.233	-0.131	0.131	0.250	0.125	0.015	0.433	0.578	0.264	-0.393	0.139	0.855	0.139	-0.070	0.476	0.482	0.300	-0.220	-0.176	0.776	-0.159	0.239	0.332	0.394	1.000	
Zn	-0.238	0.094	-0.007	0.183	-0.014	0.452	0.397	0.721	0.389	0.311	0.536	0.151	-0.047	0.337	0.177	0.565	-0.346	-0.219	0.731	0.140	0.020	-0.082	0.473	0.100	-0.050	0.197	-0.210	0.229	1.000

* #DIV/0! Occurs when all assay values returned are below detection level.

APPENDIX C
FIGURES 5, 6 AND 7



LEGEND

SYMBOLS

- GEOLOGICAL CONTACT
- FAULT
- DIAMOND DRILL HOLE
- CAT TRENCH
- CREEK

Py	PYRITE
Po	PHYRROTITE
Cp	CHALCOPYRITE
Sp	SPHALERITE
Gn	GALENA
Bg	BOULANGERITE
Au	GOLD
Ag	SILVER
Tt	TETRADYMITE
As	ARSENOPYRITE

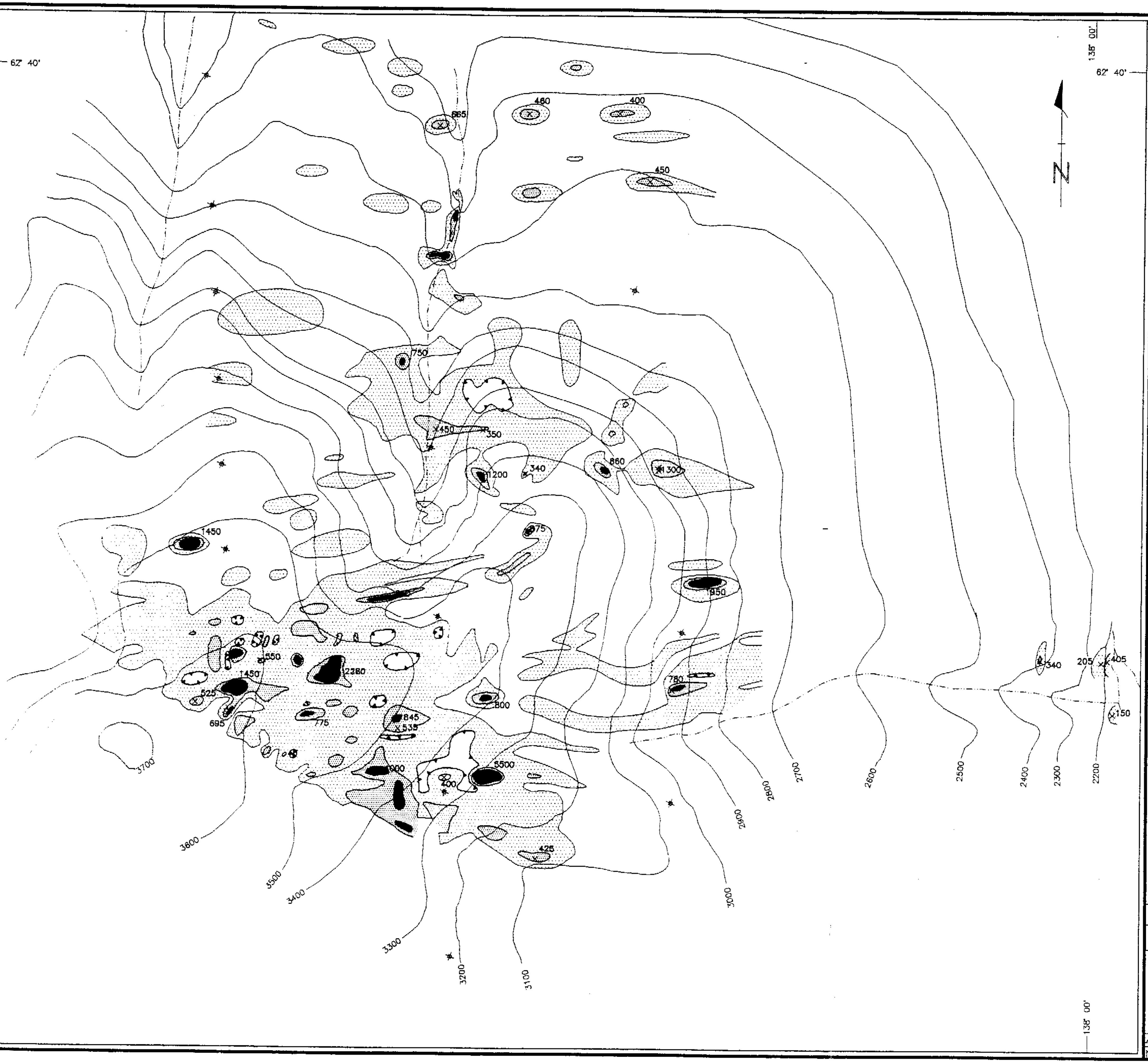
0 50 100 150 200 250
meters

500 250 0 100 200 300 400 500
feet
1 inch = 600 feet

SONORA GULCH PROPERTY
WHITEHORSE MINING DISTRICT, YUKON TERRITORY

TRENCH AND DIAMOND DRILL ASSAY RESULTS

Aurum Geological Consultants Inc.		Date: APRIL, 1998	
NTS: 115 I J	Drawn: JC	Scale: 1:6000	Figure: 5



LEGEND

(symbol)	CLAIM POST
(line)	ELEVATION CONTOUR (100 ft INTERVAL)
(dash-dot line)	CREEK
(light stipple)	AU SOIL ASSAY 75 – 300 ppb
(dense stipple)	AU SOIL ASSAY 300 – 600 ppb
(solid black)	AU SOIL ASSAY > 600 ppb
× 340	AU SOIL ASSAY VALUE

250 125 0 50 100 150 200 250
meters

1000 500 0 200 400 600 800 1000
feet
1 inch = 1200 feet

SONORA GULCH PROPERTY

SOIL GEOCHEMISTRY CONTOURED GOLD VALUES

Aurum Geological Consultants Inc.		Date: JUNE, 1997	
NTS: 115	Drawn: JC	Scale: 1:12000	Figure: 6

62° 40'

138° 00'

62° 40'

N

3700
3600
3500
3400
3300
3200
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200

138° 00'

LEGEND

- CLAIM POST
- ELEVATION CONTOUR (100 ft INTERVAL)
- CREEK
- BI SOIL ASSAY 6–10 ppm
- BI SOIL ASSAY >10 ppm
- AS SOIL ASSAY 125–250 ppm
- AS SOIL ASSAY 250–500 ppm
- AS SOIL ASSAY > 500 ppm

250 125 0 50 100 150 200 250
meters

1000 500 0 200 400 600 800 1000
feet
1 Inch = 1200 feet

SONORA GULCH PROPERTY

SOIL GEOCHEMISTRY CONTOURED ARSENIC AND BISUMITH VALUES

Aurum Geological Consultants Inc.			Date: JUNE, 1997
NTS: 115	Drawn: JC	Scale: 1:12000	Figure: 7