

MAP No.

ASSESSMENT REPORT  
PROSPECTUS  
CONFIDENTIAL  
OPEN FILE

DOCUMENT NO.:

**091948**

MINING DISTRICT:

Whitehorse

TYPE OF WORK:

Geology, geochemistry

105 D 3

REPORT FILED UNDER: JBD Management Svc., Inc.

DATE PERFORMED: 1 July-16 September, 1986 DATE FILED: 23 June 1987

LOCATION	LAT.	60 13'N
	LONG.	135 09'W

AREA:  
Mt Anderson

CLAIM NAME & NO.

ROB 1-38	YA 82113-150
ROB 39-44 FR	YA 93399-404

VALUE \$ 13 800

WORK DONE BY:

H.J. Keyser (Aurum Geological Consultants, Inc.)

WORK DONE FOR:

JBD Management Svc., Inc.

DATE TO GOOD STANDING

REMARKS:

#155 ROB

**091948**



**GEOLOGICAL AND GEOCHEMICAL  
ASSESSMENT REPORT  
ON THE ROB CLAIMS**

**WHITEHORSE M.D., YUKON**

**Claims:** Rob 1-38 (YA 82113-150)  
Rob 39-44 fr. (YA 93399-404)  
Rob 45-46 fr. (YA 95190-191)

**Location:** 1. 55 km S of Whitehorse, Yukon  
2. NTS 105 D/3  
3. Latitude  $60^{\circ} 13' N$   
Longitude  $135^{\circ} 09' W$

**For:** **JBD Management Svc., Inc.**  
5148 Ruby Street  
Vancouver, B.C.  
V5R 4K3


**By:** Harmen J. Keyser, B.Sc.  
**Aurum Geological Consultants Inc.**  
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Vancouver, B.C.  
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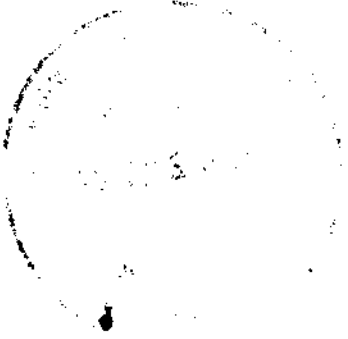


May 27, 1987

**091948**

This plan 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 \$ 13 800.

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



## SUMMARY

The Rob claims consist of 44 contiguous mineral claims located in the Wheaton River area, Yukon. They are accessible by road from Whitehorse. The claims became an attractive exploration target in 1981 when AGIP Canada Ltd. discovered a high grade gold ore body 18 kilometers to the west.

Granitoid rocks of the Coast Plutonic Complex underlie most of the property. Eocene hypabyssal and volcanic intermediate to felsic rocks intrude and overlie all other lithologies, and this is interpreted as a suitable host for precious metal deposits.

The current work program has consisted of geological mapping, geochemical sampling, and prospecting. Results of the work have identified the following high-priority gold exploration targets: (1) quartz vein-type mineralization at or near the southwestern claim boundary as evidenced by float which has assayed up to 6.273 opt gold and 15.21 opt silver, (2) potential skarn-type mineralization near the eastern part of the property where soil samples have returned up to 400 ppb gold, and (3) potential dike-controlled vein-type mineralization indicated by stream sediments anomalous in gold (up to 520 ppb) near the center of the claims. Additional follow-up targets are provided by geological and geochemical anomalies on other parts of the ground.

Based on these results, an exploration program consisting of claim surveying, geological mapping and sampling, trenching and diamond drilling is warranted and recommended.

## TABLE OF CONTENTS

ii

SUMMARY	i
TABLE OF CONTENTS	ii
INTRODUCTION	1
LOCATION AND ACCESS	2
HISTORY	4
PROPERTY	5
CLIMATE, TOPOGRAPHY, AND VEGETATION	7
GEOLOGY	8
MINERALIZATION	11
GEOCHEMISTRY	12
CONCLUSIONS AND RECOMMENDATIONS	15
REFERENCES	17
STATEMENT OF QUALIFICATIONS	18
STATEMENT OF COSTS	19

### List of Figures

Figure 1; Location, 1:1,000,000:	3
Figure 2; Claim Map, 1:30,000:	6
Figure 3; Geology, 1:10,000:	in pocket
Figure 4; Geochemistry, 1:10,000:	in pocket
Figure 5; Au Soil Geochemistry, 1:5,000:	in pocket
Figure 6; Ag Soil Geochemistry, 1:5,000:	in pocket
Figure 7; Pb Soil Geochemistry, 1:5,000:	in pocket
Figure 8; Contour Soil Geochemistry, 1:5,000:	14

### List of Tables

Table 1; Table of Formations	10
Table 2; Statistical Analysis	13

### Appendices

Rock Sample Descriptions  
Analytical Results

## INTRODUCTION

This assessment report was prepared at the request of the directors of JBD Management Svc., Inc. Its purpose is to summarize the economic potential of the Rob 1-46 mineral claims through a description of exploration work carried out during 1986.

The claims are located about 55 kilometers south of Whitehorse, Yukon and are accessible by road.

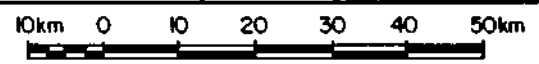
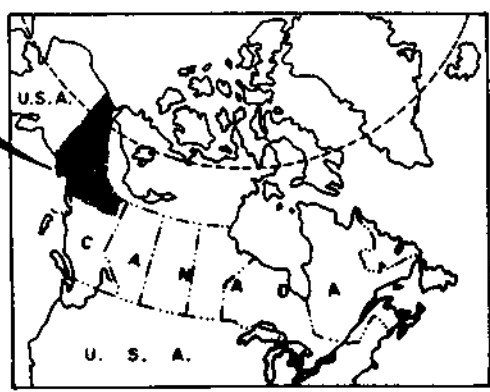
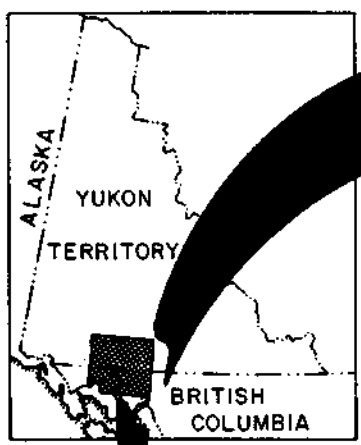
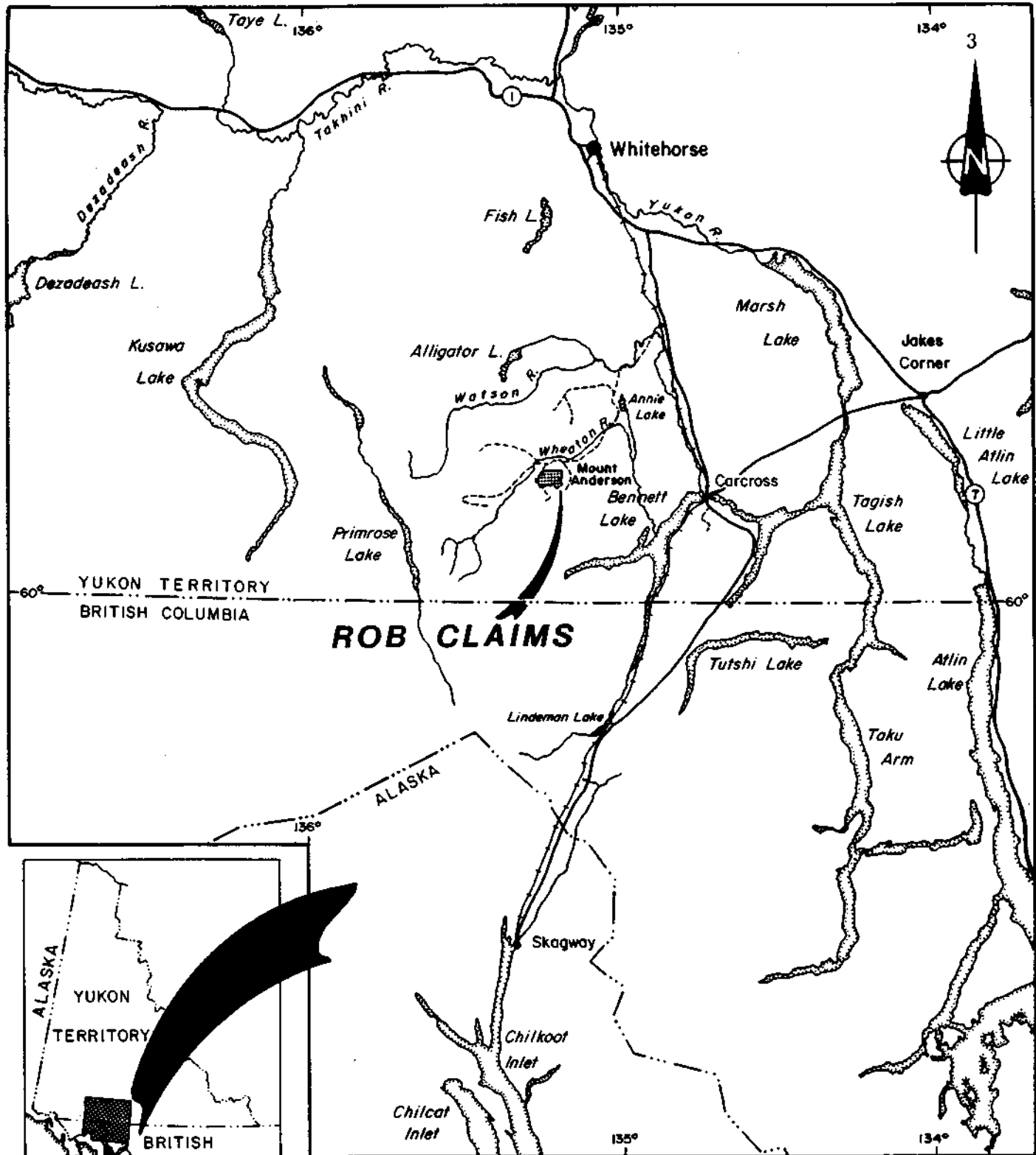
Exploration work completed in 1986 consisted of prospecting, 1:10,000 scale geological mapping, and geochemical sampling by H. Keyser and D. David of Aurum Geological Consultants Inc. Contract soil sampling was performed by MBW Surveys Ltd. and an incomplete claim survey was started by Thomson and Iles, both of Whitehorse.

## LOCATION AND ACCESS

The claims are located in southwestern Yukon, about 55 kilometers south of Whitehorse (Figure 1), and are centered on the north flank of Mt. Anderson. The approximate geographic coordinates of a point approximately in the center of the property are  $60^{\circ} 13'$  North and  $135^{\circ} 09'$  West.

Access is by a good quality gravel road leading from the paved Whitehorse-Carcross Highway to the Mount Skukum minesite, a distance of about 75 kilometers from Whitehorse. This road follows the south side of the Wheaton River and comes to within one kilometer of the Rob property. Access onto the claims is provided by 4WD roads leading into Partridge Creek and Becker Creek valleys.

Alternatively, helicopters are available for charter at Whitehorse and seasonally at the Wheaton River.



JBD MANAGEMENT SVC., INC.	
ROB CLAIMS	
<b>LOCATION</b>	
<i>Aurum Geological Consultants Inc.</i>	MAY, 1987
Drawn by NH	Checked by MK
Scale 1:1,000,000	FIGURE 1

## HISTORY

Considerable prospecting was carried out in the Wheaton River area starting in the early 1900's, culminating in the discovery of numerous gold and silver (and related metals) occurrences. Gold-silver mineralization has been previously located in the vicinity of the Rob claims at Mt. Anderson (1 km south), Gold Hill (10 km north), and Tally-Ho Mountain (6 km northeast).

In 1981 AGIP Canada Ltd. discovered a gold orebody at Mount Skukum, 16 kilometers west of the Rob claims. This deposit is currently producing some 5000 ounces of gold per month since production started in March 1986. Published pre-production proven reserves stand at 235,000 tonnes (259,000 tons) grading 20 g/t (0.58 opt) gold (Doherty 1983).

A second potential gold-silver orebody was discovered by Omni Resources Inc. at Skukum Creek, 7 kilometers southeast of Mount Skukum. Reserves are reported at 380,000 tonnes (418,000 tons) grading 9.3 g/t (0.27 opt) gold and 452 g/t (13.20 opt) silver (Omni 1986 annual report).

Walhala Exploration Ltd. acquired the Rob claims by staking in June 1984 before being transferred to Anina Resources Inc. in January, 1985. Preliminary geophysics and soil geochemistry were carried out in 1984 and 1985 (Rogers 1985). This work outlined three VLF-EM conductors and low-order geochemical soil anomalies. Geological mapping and prospecting was not initiated until 1986. JBD Management Svc., Inc. is currently acquiring the claims from Anina Resources Inc.

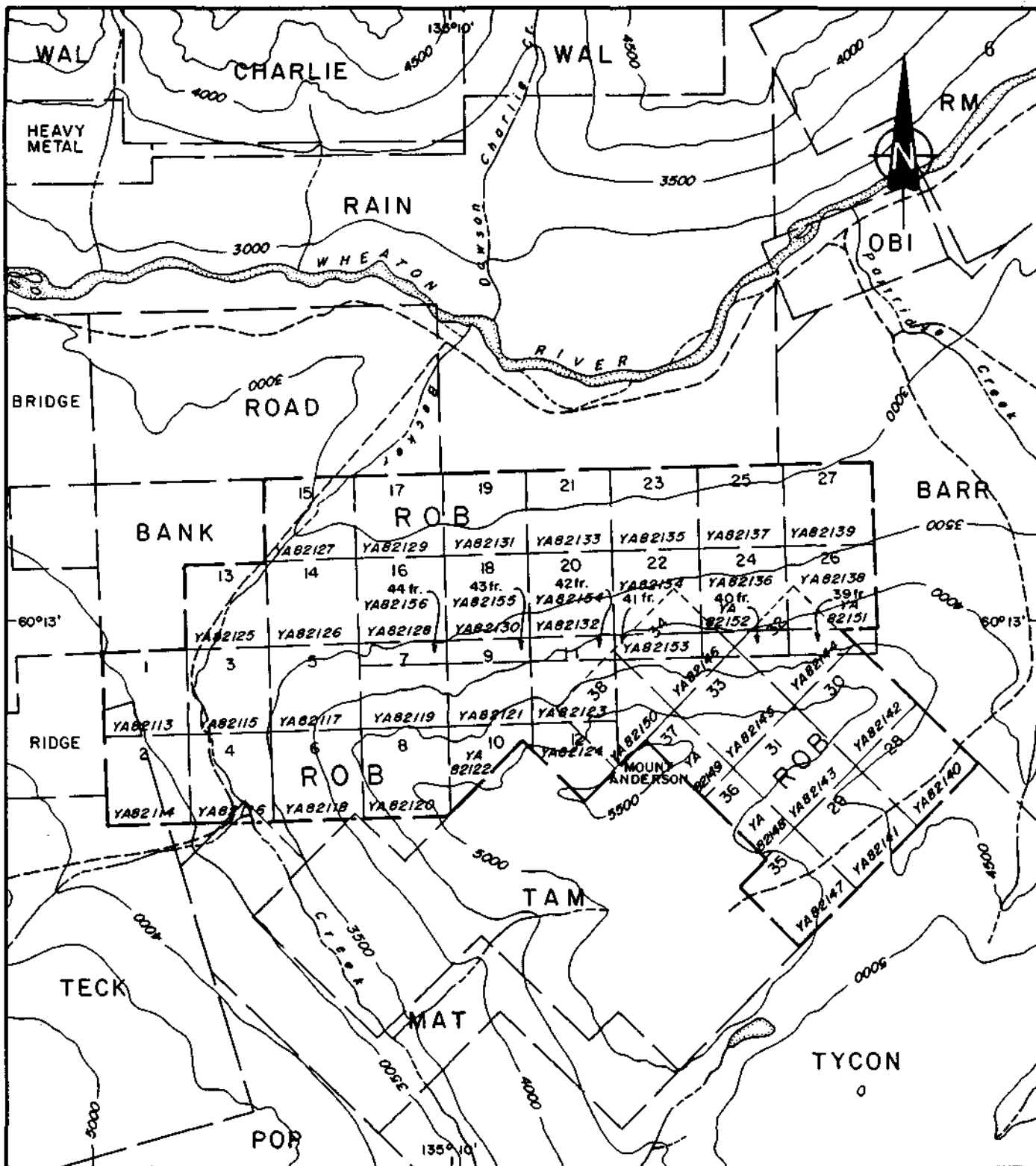
**PROPERTY**

The property consists of 38 two-post unsurveyed mineral claims and 6 fractional claims (Figure 2) staked under the Yukon Quartz Mining Act totaling approximately 1500 hectares (3700 acres). Claim data is as follows:

<b>Claim Name</b>	<b>Grant No.'s</b>	<b>Recording Date</b>	<b>Expiry Date *</b>
Rob 1-38	YA 82113-150	June 7, 1984	June 7, 1988
Rob 39-44 fr	YA 93399-404	Sept. 10, 1985	Sept. 10, 1988

\* pending approval of assessment work described herein.

The claims are owned 100% by JBD Management Svc., Inc. They are shown on Yukon Quartz and Placer Sheet 105 D-3 and are known collectively as the Rob Claims.



**LEGEND**

claim boundary  
 claim number  
 tag number

gravel road

river, creek

lake

elevation contour ; interval 500ft.

Notes - adapted from D.I.A.N.D.  
map sheet 105D-3

500m 0 500 1000 1500m

SCALE IN METRES

JBD MANAGEMENT SVC., INC.	
ROB CLAIMS	
CLAIM MAP	
Aurum Geological Consultants Inc.	MAY, 1987
NTS 105D/3	Drawn by NH
Scale 1:30,000	FIGURE 2

## CLIMATE, TOPOGRAPHY AND VEGETATION

The climate in the area of the Rob claims is variable with hot summers and long cold winters. Precipitation is light, averaging about 40 cm (15.7") annually, with heavy snowfalls occurring during the winter months.

The property is situated at the eastern flank of the Coast Mountains and topography is rugged. Elevations range from 915 m (3000 ft) to 1720 m (5650 ft) above sea level. The area has been greatly modified by Pleistocene glaciation, and such glacial features as U-shaped valleys, aretes and cirques are common.

Vegetation consists mainly of alpine shrubs and grasses with some stunted spruce and poplar occurring in lower valleys. Ridge tops are typically covered with felsenmeer.

## GEOLOGY

### Regional Geology

The Rob claims are situated at the eastern flank of the Coast Plutonic Belt. Wheeler (1961) has adequately described the regional geology.

The Coast Plutonic Belt is composed of foliated and non-foliated granitoid rocks of Cretaceous (?) age flanked by older metamorphosed and unmetamorphosed sedimentary and volcanic strata. Granodiorite, granite and quartz diorite are characteristic of the composite plutons. Gabbro and syenite are rare. Irregular belts of lower Mesozoic to Paleozoic (and possibly Precambrian) metasedimentary and metavolcanic rocks occur as roof pendants.

Of particular interest is the location of the Rob claims on the eastern margin of the Mt. Skukum volcanic complex, in part an Eocene (Pride and Clark 1985) cauldron.

Faulting, lithologic attitudes and other regional trends are generally northwest, with some younger northeast structures.

### Geology of the Rob Claims

Property geology (Figure 3) is much more complex than can be shown on the previously described regional mapping. Rock outcrops are restricted to the upper north flank of Mt. Anderson, and probably constitute less than 30% of the total property area.

Yukon Group foliated quartz-feldspar-biotite gneisses, biotite schists, and marbles (map unit HCs) of Hadrynian to Cambrian age are the oldest exposed lithology on the Rob claims. They are found as roof pendants in granodiorite over the entire property. Some exposures show evidence of contact metamorphism, including skarnification.

Leucocratic medium grained equigranular to porphyritic granitoid rocks (map unit Kgd) have intruded the older metamorphic rocks. Based on an overall mineralogy of feldspar (% plagioclase > % orthoclase), 60%; quartz, 25%; and mafic minerals, 15%, they can be classified as granodiorite. Hornblende usually predominates over biotite, and both are variably chloritized. This unit is the most commonly exposed lithology on the Rob claims.

Andesitic rocks (map unit Ta) have been mapped as dikes over most of the property, although many are too small to be shown at 1:10,000 scale. They are typically porphyritic with variable propylitization.

Light colored, sometimes rusty weathering, rhyolite (map unit Tr) intrudes all pre-Tertiary rocks at the western and central parts of the property. Characterized by near-vertical (?) plug-like structures, they are associated with collapse of the Mt. Skukum Caldera complex. Steeply dipping dikes of a similar composition have been mapped over the entire

property. Although sometimes difficult to recognize, wallrock alteration consists of a narrow zone (up to 5 meters) of silicification.

Dikes, faults, and air photo lineaments mapped to date on the Rob claims follow a predominant northeast trend, discordant with regional structures.

A tabulated geological history of the property and area is given as Table 1.

TABLE 1. Table of Formations; Rob Claims.

Unit	Age *	Event/Lithology
Qs	Quaternary	Unconsolidated surficial debris.
---	Pleistocene	Glacial erosion; unconformity.
Tr,Ta	Eocene	Skukum Group: Intermediate to felsic flows, breccias and tuffs related to Mt. Skukum cauldron complex. Faulting, dike emplacement, and mineralization.
---	Paleogene ?	Unconformity.
Kgd	Cretaceous	Coast Plutonic Belt: Granitoid intrusions, folding, faulting, metamorphism, erosion.
---	Lower Cretaceous ?	Unconformity.
HGs	Hadrynian to Cambrian	Yukon Group: gneiss, schist, marble.

\* modified after Wheeler 1961, and Pride and Clark 1985.

## MINERALIZATION

There is no record of mineral discoveries on the Rob claims prior to the 1986 exploration program. Metallic minerals recognized so far include pyrite, galena, sphalerite, chalcopyrite, and their supergene equivalents.

Mineralization has only been found as float at or near the southwestern boundary of the Rob claims at the common boundary with the Tam claims, on the ridge-top west of Mount Anderson (Figure 3). It is believed to be a new discovery. Consisting of vuggy quartz vein-type material with traces of pyrite and galena, manganese and limonitic staining is evident. Selected samples of this float have returned up to 6.273 opt gold and 15.21 opt silver.

Although the mineralized float has not been found in place, it is suggested that its source is a gold-bearing vein parallel to a mapped northeast trending rhyolite dike.

## GEOCHEMISTRY

A total of 15 rock, 254 soil, 119 talus fine, and 36 stream sediment samples were taken during the 1986 exploration program on the Rob claims. All of these samples were analyzed for total gold, silver and lead content by Bondar-Clegg and Company Ltd. of North Vancouver, B.C. Sediment samples were also analyzed for copper. Results are shown on Figures 4, 5, 6, and 7.

Rock samples were taken of altered, veined and/or mineralized material. Soil and talus fine samples were taken on a reconnaissance basis from geologically favorable zones such as faulted, altered, diked, or mineralized areas, as well as a grid established at the southeastern part of the property. Stream sediments were taken conventionally from as many creeks and tributaries as time would allow.

Statistical analyses were made for gold, silver, and lead, as shown in Table 2. Values below the detection limit were entered at the lower detection limit.

### Rock Samples

Gold appears to be the main element of economic interest, with anomalous values found in float at the southwestern part of the property. All high gold values found to date have been in quartz vein-type material. Variable amounts of silver, copper and lead, and possibly other elements, are associated with the gold mineralization.

Other rock samples anomalous in gold and/or silver were taken in several locations on the north face of Mt. Anderson.

### Soil Samples

Gold values in soil (Figure 5) range from less than 5 to 520 ppb. Anomalous values are found irregularly distributed over the grid sampled area, including a poorly defined northeast-trending anomalous zone across the central part of the grid. A single sample (MTA-S-030) taken below a skarnified marble exposure returned 480 ppb gold. The lower part of the 1985 grid (Figure 4) is devoid of anomalous values, possibly due to extensive overburden.

Values of silver (Figure 6) range from less than 0.2 to 3.7 ppm. Most of the anomalous areas are coincident with gold.

Lead values (Figure 7) range from 3 to 322 ppm. Like silver, many of the anomalous areas coincide with gold anomalies.

## Talus Fine Samples

Analyses of talus fine samples taken from three contour sampling lines at the southwestern part of the property (Figure 8) show that gold ranges up to 780 ppb, silver to greater than 50 ppm, and lead to 6340 ppm. Although some of the anomalies probably reflect known gold-silver mineralization, anomalous values have also been found where mineralization has not yet been discovered.

## Stream Sediment Samples

Geochemical stream sediment values (Figure 4) range up to 520 ppb gold, 27.0 ppm silver, 1700 ppm lead, and 300 ppm copper. Coincident highly anomalous samples are found in several north-flowing creeks draining the north face of Mt. Anderson. Samples MTA-S-016 to 019 may reflect gold-silver mineralization located at the ridge top. Even higher anomalous values are found in areas where mineralization has not yet been found.

**TABLE 2.** Statistical Analyses of 1986 Geochemical Data on Rob Claims.

Rock Samples				
	Cu ppm	Pb ppm	Ag ppm	Au ppb
Number (n)	0	15	15	15
Average ( $\bar{x}$ )		3582.866	28.26666	1500
Std. Dev ( $\bar{s}$ )		3812.982	20.87546	2901.955
Background <		3582.866	28.26666	1500
Prob. Anom. <		7395.848	49.14212	4401.955
Poss. Anom. <		11208.83	70.01758	7303.911
Def. Anom. >		11208.83	70.01758	7303.911
Gridded Soil Samples				
	Cu ppm	Pb ppm	Ag ppm	Au ppb
Number (n)	0	254	254	254
Average ( $\bar{x}$ )		28.05905	0.267716	11.53543
Std. Devn ( $\bar{s}$ )		29.77316	0.484139	45.38770
Background <		28.05905	0.267716	11.53543
Prob. Anom. <		57.83222	0.751855	56.92314
Poss. Anom. <		87.60538	1.235995	102.3108
Def. Anom. >		87.60538	1.503711	113.8462
Contour Soil Samples (Talus Fines)				
	Cu ppm	Pb ppm	Ag ppm	Au ppb
Number (n)	0	119	119	119
Average ( $\bar{x}$ )		555.9495	3.808403	45.63025
Std. Devn ( $\bar{s}$ )		828.1482	6.089908	121.2462
Background <		555.9495	3.808403	45.63025
Prob. Anom. <		1384.097	9.898312	166.8765
Poss. Anom. <		2212.246	15.98822	288.1227
Def. Anom. >		2212.246	15.98822	288.1227
Stream Sediments				
	Cu ppm	Pb ppm	Ag ppm	Au ppb
Number (n)	36	36	36	36
Average ( $\bar{x}$ )	67.83333	157.7777	2.363888	65.27777
Std. Dev ( $\bar{s}$ )	54.20306	280.6653	4.445919	127.9102
Background <	67.83333	157.7777	2.363888	65.27777
Prob. Anom. <	122.0363	438.4431	6.809807	193.1880
Poss. Anom. <	176.2394	719.1085	11.25572	321.0982
Def. Anom. >	176.2394	719.1085	11.25572	321.0982



**LEGEND**

soil sample location

10, 45, 1340

Ag in ppm

Au in ppb

Pb in ppm

JBD MANAGEMENT SVC., INC.	
ROB CLAIMS	
CONTOUR LINE SOIL GEOCHEMISTRY	
Aurum Geological Consultants Inc.	MAY, 1987
NTS 10SD/3	Drawn by NH Scale 1:5,000
FIGURE 8	

## CONCLUSIONS AND RECOMMENDATIONS

The Rob 1-46 claims are underlain by Hadrynian to Cambrian metasediments which have been intruded by Cretaceous granodiorite. All of these rocks have been intruded and overlain by felsic volcanic and hypabyssal lithologies related to the Mt. Skukum caldera complex. Steeply dipping block (?) faults cut all rock units.

Known gold-silver and base metal vein-type mineralization in the Wheaton River area is structurally controlled by faults related to collapse of the Mt. Skukum caldera complex. Significant mineral deposits are controlled by pre-existing fault zones now occupied by rhyolite and andesite dikes. Fault-controlled rhyolitic and andesitic dikes on the Rob claims therefore provide a setting that is highly permissive for the development of precious metal deposits.

The property is an epithermal gold-silver prospect. Geological mapping and prospecting carried out as part of this report has resulted in the discovery of mineralized vein-type float assaying up to 6.273 opt gold and 15.21 opt silver near the southwest boundary of the property. The precise location of the mineralized float relative to the claim boundary is uncertain; however the source vein is thought to trend northeastward parallel to a major rhyolite dike and therefore the structure would project onto the Rob claims.

Stream sediment and gridded soil geochemistry completed in 1985 and 1986 has returned anomalous values ranging up to 520 ppb gold over most of the sampled area. As yet undiscovered bedrock gold-silver mineralization is therefore indicated. Potential exists for the discovery of both skarn-type and vein-type mineralization. Structures, lithologies, alteration patterns and geochemical values are considered to be consistent with major gold-silver discoveries made at Mt. Skukum in 1981 (Doherty 1983) and at Skukum Creek in 1985 (Forster et al 1985).

Based on results of surface exploration work carried out on the Rob claims in 1986, further work is warranted. The following program is recommended:

### Phase 1

1. Establish claim boundaries by completing the legal survey started in 1986.
2. Explore by trenching the northeast extension, if any, of an assumed vein projecting northeasterly from the location of gold-bearing quartz float (864406) found at the southwestern part of the property.
3. Carry out more detailed mapping and sampling in the areas of anomalous stream sediment and soil samples, followed by possible trenching.

**Phase 2**

1. Road access should be provided to areas of interest.
2. Targets outlined by Phase 1 would be tested by diamond drilling.

Respectfully submitted;



Harmen J. Keyser, B.Sc.

May 27, 1987

## REFERENCES

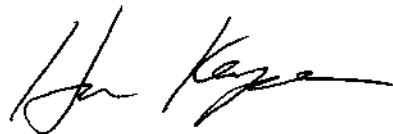
- Doherty, R.A., 1983:  
Mt. Skukum; Assessment Report No.'s 091462 and 091474.  
D.I.A.N.D. Exploration and Geology, 1983. pp. 162-164.
- Forster, C.N., R.W. Hulstein, and H.J. Keyser, 1986:  
Report on the Skukum Creek Property. Private report for Omni  
Resources Inc. by Aurum Geological Consultants Inc. January 21,  
1986.
- Pride, M.J. and G.S. Clark, 1985:  
An Eocene Rb-Sr Isochron for Rhyolite Plugs, Skukum Area,  
Yukon Territory. C.J.E.S. Vol. 22, pp. 1747-1753.
- Rogers, R.S., 1985:  
Anina Resources Inc. Rob Property; Geological Report and  
Recommendations. Private report for Anina Resources Inc. by  
Rogers Exploration Services Ltd. February 20, 1985.
- Wheeler, J.O., 1961:  
Whitehorse Map-Area, Yukon Territory. 105D. G.S.C. Memoir  
312.

**STATEMENT OF QUALIFICATIONS**

I, HARMEN J. KEYSER, hereby certify that:

1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC., 604-675 West Hastings Street, Vancouver, British Columbia.
2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981) and have been involved in geology and mineral exploration continuously since 1978.
3. I am a member of the Geological Association of Canada (A3759).
4. I have no direct or indirect interest in the properties or securities of JBD Management Svc., Inc.
5. I am the author of this report on the Rob claims, Whitehorse M.D., Yukon, which is based on fieldwork carried out under my supervision and involvement during the period July 1 to September 16, 1987; and on referenced sources.
6. This report is intended to be used as an assessment report only.

May 27, 1987



Harmen J. Keyser, B.Sc.

## STATEMENT OF COSTS

1986 Assessment Valuation; Rob 1-46 mineral claims, Whitehorse M.D., Yukon.

Harmen Keyser, B.Sc. of Vancouver, B.C. 14.5 days @ 250/day:	\$ 3625.00
Darren David, B.Sc. of Vancouver, B.C. 6 days @ 105/day:	630.00
Morley Barker, Surveyor, of Whitehorse, Yukon 4 days @ 250/day:	1000.00
Michael Woods, Sampler, of Whitehorse, Yukon 4 days @ 200/day:	800.00
Michel Langlois, Sampler, of Whitehorse, Yukon 4 days @ 200/day:	800.00
Andre Jobin, Sampler, of Whitehorse, Yukon 4 days @ 200/day:	800.00
Orthophoto preparation:	5200.00
Helicopter charter:	2170.72
Camp Costs:	1742.12
Truck and fuel:	579.00
Analytical Costs (424 samples):	7230.00
Report preparation:	<u>2270.46</u>
<b>Total 1986 Expenditures:</b>	<b>\$ 26,847.30</b>

## APPENDIX

Sample No.	Location	Description	Attitude	Width	Au ppb	Ag ppm	Pb ppm
864401	N slope of Mt. Anderson	Gray silicified rhyolite dike. Traces Py, Gn? Ghosted porphyritic texture.	090/80 S	4 m	5	22	1135
864402	N slope of Mt. Anderson	Sample of quartz float 5x5x7 cm. Sericite-filled vugs.	float		20	13	585
864403	N slope of Mt. Anderson. 100 m W of 401.	Same dike as 401. Traces Py, Gn?	090/80 S	4 m	15	50	7510
864404	W ridge.	Sample of rusty vuggy quartz float found in frost boil along prominent lineament. May be a mineralized vein-fault here. Quartz is brecciated with traces Py, Gn, Mn.	Float		7100	50	4710
864405	15 m W of 404	Representative sample of quartz from frost boil	Float		500	50	5430
864406	As above	Selected sample of quartz vein-type float. 1% galena. Limonite stained.	Float		10000 6.273 opt	50 15.21 opt	10000
864407	As above	Intensely clay altered granodiorite. Traces Py, Gn.	Float		2900	50	2460
864408	As above	White bull quartz. No sulfides noted.	Float		65	8	930
864409	Adit 'D'. Near boundary between Rob & MAT/TAM claims.	Grab sample of brecciated quartz from centre of face of 4 m deep adit.	090/80 N		820	50	10000

Sample No.	Location	Description	Attitude	Width	Au ppb	Ag ppm	Pb ppm
864410	N slope of Mt. Anderson.	Typical sample of quartz float pile. Traces pyrite, sericite. Silica healed brecciated quartz. Source not found. Large Kgd outcrop immediately uphill.	Float		120	14	470
864411	Adit 'D'; see 409.	Chip sample across face of 4 m deep adit. Mainly clay gouge & sheared clay-altered granodiorite. Some brecciated quartz in centre. Rusty seams of clay throughout, conformable to structure. Mn stained fractures on FW.	090/80 N	1.1 m	340	50	9670
864412	E end of flagged as ridge. 86-07-03-01	Massive milky bull quartz. No sulfides noted.	120/45 S	0.7 m	10	1.2	84
864413	30 m W of MTA-S-01, NE side of Mt. Anderson	White bull quartz float. No sulfides noted.	Float		220	9.2	500
864414	N slope of Mt. Anderson	White to smoky quartz vein cutting Kgd porphyry.	127/60 SW	10 cm	380	4	125
864415	N slope of Mt. Anderson	Quartz-chalcedony float found adjacent to rhyolite dike.	Float		5	2.6	134

REPORT: 126-2897 ( COMPLETE )

REFERENCE INFO:

CLIENT: ANINA RESOURCES INC.  
 PROJECT: ROB

SUBMITTED BY: H. KEYSER  
 DATE PRINTED: 1-AUG-86

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Cu Copper	36	1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption
2	Pb Lead	424	2 PPM	HNO3-HCL HOT EXTR	Atomic Absorption
3	Ag Silver	424	0.2 PPM	HNO3-HCL HOT EXTR	Atomic Absorption
4	Au Gold - Fire Assay	423	5 PPM	FIRE-ASSAY	Fire Assay SA
5	Au/wt Sample weight/grams	20	0.01 G		
6	Au/wt Sample weight/grams	8	0.01 G		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOILS	372	1 -80	409	DRY, SEIVE -80	409
T STREAM SEDIMENT, SILT	36	2 -150	15	CRUSH, PULVERIZE -150	15
R ROCK OR PED ROCK	15				

REMARKS: ASSAY OF HIGH AU, Ag, Pb TO FOLLOW ON 626-2897

IS REMDIES INSUFFICIENT SAMPLE

VALUES IN 1st Au WEIGHT COLUMN ARE -80 FRACTION

VALUES IN 2nd Au WEIGHT COLUMN ARE -20 FRACTION

REPORT COPIES TO: MR. BRIAN DOUTAS  
 MR. HARMEN KEYSER  
 MR. HARMEN KEYSER  
 MBW SURVEYS LTD.

INVOICE TO: MR. BRIAN DOUTAS



REPORT: 126-2897

PROJECT: ROR

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Ag PPM	Au PPB	Au/wt G	Au/wt G
S1 L0 10+00N			20	0.6	<5		
S1 L0 9+00N			13	0.5	5		
S1 L0 8+50N			21	0.6	<5		
S1 L0 8+00N			29	0.3	<5		
S1 L0 7+00N			26	0.3	<5		
S1 L0 6+50N			14	0.2	<5		
S1 L0 6+00N			14	0.3	<5		
S1 L0 5+00N			35	0.4	15		
S1 L0 4+50N			52	0.7	<5		
S1 L0 1+00N			16	0.3	<5		
S1 L0 0+50N			37	0.5	5		
S1 L0 0+00			27	0.4	5		
S1 L0 1+00S			26	0.5	30		
S1 L0 2+00S			29	0.4	20		
S1 L0 2+50S			39	1.1	5		
S1 L0 3+00S			27	0.4	<5		
S1 L0 3+50S			41	0.2	10		
S1 L0 4+00S			37	0.5	20	7.00	
S1 L0 4+50S			17	0.2	15		
S1 L0 5+00S			16	<0.2	5		
S1 L0 5+00S			20	<0.2	5		
S1 L0 6+50S			16	0.4	5		
S1 L0 7+00S			11	<0.2	5		
S1 L0 7+50S			16	1.0	5		
S1 L0 8+00S			15	0.6	10		
S1 L0 9+50S			17	0.2	10		
S1 L0 9+00S			14	0.2	5		
S1 L0 9+50S			24	<0.2	10		
S1 L0 10+00S			33	0.3	25		
S1 L0 10+50S			18	<0.2	45		
S1 L0 11+00S			21	<0.2	<5		
S1 L1E 7+50N			24	0.2	5		
S1 L1E 7+00N			42	0.2	5		
S1 L1E 6+50N			46	<0.2	5		
S1 L1E 5+50N			29	<0.2	5		
S1 L1E 4+50N			90	1.3	30		
S1 L1E 3+50N			110	1.2	35		
S1 L1E 2+00N			81	1.5	15		
S1 L1E 1+50N			22	<0.2	5		
S1 L1E 1+00N			25	0.4	15		



REPORT: 126-2097

PROJECT: ROS

PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Ag PPM	Au PPM	Au/wt G	Au/wt G
S1 L1E 0+50N			35	0.2	10		
S1 L1E 0+00			54	1.0	10		
S1 L1E 0+50S			36	0.8	20		
S1 L1E 1+00S			25	0.4	15		
S1 L1E 1+50S			93	0.9	20		
S1 L1E 2+00S			55	0.7	15		
S1 L1E 2+50S			51	0.7	15		
S1 L1E 3+00S			14	<0.2	5		
S1 L1E 4+50S			10	0.2	5		
S1 L1E 5+00S			10	<0.2	<5		
S1 L1E 5+50S			18	<0.2	<5		
S1 L1E 6+00S			15	<0.2	<5		
S1 L1E 6+50S			13	0.2	<5		
S1 L1E 8+00S			19	0.4	5		
S1 L1E 8+50S			14	<0.2	5		
S1 L1E 9+00S			15	<0.2	<5		
S1 L1E 9+50S			15	<0.2	5		
S1 L1E 10+50S			10	<0.2	10		
S1 L1E 11+00S			15	<0.2	15		
S1 L2E 10+00N			16	0.2	<5		
S1 L2E 9+50N			47	0.6	<5		
S1 L2E 9+00N			19	<0.2	130		
S1 L2E 8+00N			29	<0.2	<5		
S1 L2E 7+50N			34	0.2	<5		
S1 L2E 7+00N			25	<0.2	10		
S1 L2E 6+50N			16	0.2	5		
S1 L2E 6+00N			31	0.4	20		
S1 2E 5+50N			27	<0.2	5		
S1 2E 5+00N			97	0.5	15		
S1 2E 4+50N			46	0.5	15		
S1 2E 4+00N			43	0.7	15		
S1 2E 3+50N			276	3.7	15		
S1 2E 3+00N			24	0.2	15		
S1 2E 2+50N			33	0.2	10		
S1 2E 2+00N			25	0.6	5		
S1 L2E 2+00N			27	0.2	5	7.00	
S1 L2E 1+50N			42	0.2	5		
S1 L2E 1+00N			81	1.2	15		
S1 L2E 0+50N			32	0.2	5		
S1 L2E 0+00S			31	0.2	20		

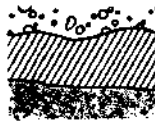


REPORT: 126-2897

PROJECT: ROF

PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Ag PPM	Au PPM	Au/wt G	Au/wt G
S1 L2E 0+50S			51	1.0	5		
S1 L2E 1+00S			47	0.6	5		
S1 L2E 1+50S			61	0.8	10		
S1 L2E 2+00S			61	0.7	15		
S1 L2E 2+50S			51	0.5	5		
S1 L2E 3+00S			15	0.3	<5		
S1 L2E 3+50S			8	0.2	5		
S1 L2E 4+00S			10	0.2	<5		
S1 L2E 4+50S			9	<0.2	<5		
S1 L2E 5+00S			14	0.2	5		
S1 L2E 5+50S			14	<0.2	<5		
S1 L2E 6+00S			12	<0.2	<5		
S1 L2E 6+50S			15	<0.2	5		
S1 L2E 7+00S			14	<0.2	<5		
S1 L2E 7+50S			17	<0.2	<5		
S1 L2E 8+00S			19	0.2	<5		
S1 L2E 8+50S			15	<0.2	<5		
S1 L2E 9+00S			20	<0.2	<5		
S1 L2E 9+50S			3	<0.2	<5		
S1 L2E 10+00S			16	<0.2	<5		
S1 L3E 10+00N			18	0.2	<5		
S1 L3E 9+50N			15	0.2	<5		
S1 L3E 9+00N			53	0.8	5		
S1 L3E 8+00N			27	0.4	10	5.00	
S1 L3E 7+00N			42	0.2	10		
S1 L3E 6+50N			56	0.4	10		
S1 L3E 6+00N			35	0.3	5		
S1 L3E 5+50N			22	0.4	<5		
S1 L3E 5+00N			16	0.2	<5		
S1 L3E 4+50N			47	0.5	5		
S1 L3E 4+00N			31	0.2	<5		
S1 L3E 3+50N			45	0.2	<5		
S1 L3E 3+00N			26	0.2	<5		
S1 L3E 2+50N			35	0.4	10		
S1 L3E 2+00N			22	0.2	5		
S1 L3E 1+50N			51	1.0	5		
S1 L3E 1+00N			52	0.8	35		
S1 L3E 0+50N			82	1.4	15		
S1 L3E 0+00			56	0.6	10		
S1 L3E 0+50S			38	<0.2	5		



REPORT: 126-2897

PROJECT: ROB

PAGE 4

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Ag PPM	Au PPM	Au/wt g	Au/wt g
51 L3E 1+00S			22	0.2	5		
51 L3E 1+50S			23	<0.2	<5		
51 L3E 2+00S			92	0.2	15		
51 L3E 2+50S			12	0.2	10		
51 L3E 3+00S			332	2.5	25		
51 L3E 3+50S			15	<0.2	<5		
51 L3E 4+00S			9	<0.2	10		
51 L3E 4+50S			8	<0.2	10		
51 L3E 5+00S			17	0.2	10		
51 L3E 5+50S			8	<0.2	<5		
51 L3E 6+00S			12	<0.2	<5		
51 L3E 6+50S			15	0.2	<5		
51 L3E 7+00S			11	0.2	<5		
51 L3E 7+50S			7	<0.2	<5		
51 L3E 8+00S			13	<0.2	<5		
51 L4 0+00			24	0.2	<5		
51 L4 0+50S			20	0.2	5		
51 L4 1+00S			25	0.7	30		
51 L4 1+50S			66	0.6	<5		
51 L4 2+00S			36	0.2	<5		
51 L4 3+50S			13	<0.2	5		
51 L4 3+00S			10	<0.2	<5		
51 L4 3+50S			17	0.2	<5		
51 L4 4+00S			8	<0.2	<5		
51 L4 4+50S			12	<0.2	<5		
51 L4 5+00S			15	<0.2	<5		
51 L4 5+50S			13	<0.2	<5		
51 L4 6+00S			9	<0.2	5		
51 L4 6+50S			10	0.2	5		
51 L4 7+00S			20	0.3	10		
51 L4 7+50S			10	<0.2	<5		
51 L4 8+00S			9	<0.2	<5		
51 L5E 0+00S			42	1.0	10		
51 L5E 0+50S			45	1.6	15		
51 L5E 1+50S			37	<0.2	<5		
51 L5E 2+00S			22	0.3	5		
51 L5E 2+50S			18	0.2	25		
51 L5E 3+00S			28	0.5	50		
51 L5E 3+50S			22	0.2	<5		
51 L5E 4+00S			11	<0.2	<5		



REPORT: 126-2397

PROJECT: RCB

PAGE 5

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Ag PPM	Au PPD	Au/wt G	Au/wt G
S1 L5E 4+50S			18	<0.2	<5		
S1 L5E 5+00S			10	<0.2	<5		
S1 L5E 5+50S			12	<0.2	<5		
S1 L5E 6+00S			13	<0.2	<5		
S1 L6E 0+00S			27	0.6	170		
S1 L6E 0+50S			31	0.7	10		
S1 L6E 1+00S			40	1.2	190		
S1 L6E 1+50S			18	0.3	35		
S1 L6E 2+00S			14	0.3	5		
S1 L6E 2+50S			11	0.2	<5		
S1 L6E 3+00S			12	<0.2	<5		
S1 L6E 3+50S			12	0.2	<5		
S1 L6E 4+00S			14	<0.2	<5		
S1 L6E 4+50S			19	<0.2	5		
S1 L6E 5+00S			11	<0.2	130		
S1 L7E 0+00			26	0.2	10		
S1 L7E 0+50S			25	0.3	<5		
S1 L7E 1+00S			24	0.2	5		
S1 L7E 1+50S			16	0.2	5		
S1 L7E 2+00S			16	<0.2	200		
S1 L7E 2+50S			12	0.2	<5		
S1 L7E 3+00S			10	<0.2	<5		
S1 L7E 3+50S			11	<0.2	<5		
S1 L7E 4+00S			7	<0.2	<5		
S1 1W 0+00S			24	0.5	5		
S1 1W 0+50S			22	0.3	<5		
S1 1W 1+00S			19	0.3	55		
S1 1W 1+50S			23	0.6	10		
S1 1W 2+00S			19	0.4	<5		
S1 1W 2+50S			23	<0.2	20		
S1 1W 3+00S			31	0.2	5		
S1 1W 3+50S			29	<0.2	5		
S1 1W 4+00S			24	0.3	<5		
S1 1W 4+50S			25	0.2	20		
S1 1W 5+00S			20	0.2	5		
S1 1W 5+50S			21	0.2	10		
S1 1W 6+00S			20	<0.2	45		
S1 1W 6+50S			24	0.2	15		
S1 1W 7+00S			3	<0.2	320		
S1 1W 7+50S			32	<0.2	25		

REPORT: 126-2897

PROJECT: ROP

PAGE 6

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Ag PPM	Au PPM	Au/wt %	Au/wt %
S1 1W 8+00S			28	0.2	5		
S1 1W 8+50S			25	0.4	10		
S1 1W 9+00S			33	0.2	25		10.00
S1 1W 9+50S			28	<0.2	40		
S1 1W 10+00S			20	<0.2	10		
S1 2W 0+00S			21	0.2	<5		
S1 2W 0+50S			19	0.2	<5		
S1 2W 1+00S			21	1.2	<5		
S1 2W 1+50S			26	0.2	520		
S1 2W 2+00S			28	<0.2	<5		
S1 2W 2+50S			35	0.2	<5		
S1 2W 3+00S			36	0.6	<5		
S1 2W 3+50S			40	0.4	<5		
S1 2W 4+00S			43	0.4	<5		
S1 2W 4+50S			28	0.4	5		
S1 2W 5+00S			51	0.4	10		
S1 2W 5+50S			20	0.2	25		
S1 2W 6+00S			29	0.2	10		
S1 2W 6+50S			33	0.2	5		
S1 2W 7+00S			11	0.2	<5		
S1 3W 0+00S			22	0.4	5		
S1 3W 0+50S			33	0.4	5		10.00
S1 3W 1+00S			16	0.4	5		
S1 3W 1+50S			19	0.5	<5		
S1 3W 2+00S			34	0.4	<5	7.00	
S1 3W 2+50S			22	0.2	<5		
S1 3W 3+00S			22	0.2	10		
S1 3W 3+50S			26	<0.2	5		
S1 3W 4+00S			27	0.2	<5		
S1 3W 4+50S			58	1.6	<5		
S1 4W 5+00S			24	0.4	85		
S1 4W 0+00S			16	0.4	<5		
S1 4W 0+50S			15	0.5	<5		
S1 4W 1+00S			15	0.4	<5		
S1 4W 1+50S			16	0.5	<5		
S1 4W 2+00S			23	0.2	<5		
S1 4W 2+50S			18	0.2	5		
S1 4W 3+00S			13	0.5	20		
S1 4W 3+50S			19	0.2	5		
S1 4W 4+00S			34	0.2	<5		

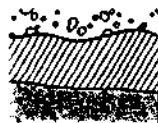


REPORT: 126-2887

PROJECT: ROR

PAGE 7

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Ag PPM	Au PPM	Au/wt G	Au/wt G
91 L5W 0+00S			13	<0.3	<5		
91 L5W 0+50S			7	<0.2	<5		
91 L5W 1+00S			17	0.4	<5		
91 L5W 1+50S			17	0.4	<5		
91 L5W 3+00S			15	<0.2	<5		
91 L5W 2+50S			18	0.8	15		
91 L5W 3+00S			19	0.4	5		
91 L6W 0+00S			14	0.4	<5		
91 L6W 0+50S			15	0.4	<5		
91 L6W 1+00S			28	0.5	5		
91 L6W 1+50S			19	0.8	<5		
91 L6W 2+00S			16	0.7	40		
91 L6W 2+50S			16	0.4	<5		
91 L6W 3+00S			14	0.4	<5		
91 C1 0+0			1285	7.0	90	5.54	
91 C1 0+25			690	4.8	5		
91 C1 0+50			235	0.7	35		
91 C1 0+75			1050	4.2	5		
91 C1 1+00			1340	4.6	10		
91 C1 1+25			334	2.2	<5		
91 C1 1+50			336	8.0	20	5.50	
91 C1 1+75			189	2.4	10		
91 C1 2+00			304	2.2	5	9.13	
91 C1 2+25			112	1.7	10		
91 C1 2+50			115	4.3	35		10.00
91 C1 2+75			174	27.0	560		
91 C1 3+00			47	2.5	30		
91 C1 3+25			34	5.6	35		
91 C1 3+50			36	1.8	30		
91 C1 3+75			38	1.9	10		
91 C1 4+00			13	0.8	<5		
91 C1 4+25			20	0.8	15		
91 C1 4+50			14	0.3	<5		
91 C1 4+75			23	0.8	75		
91 C1 5+00			20	0.4	740	5.25	
91 C1 5+25			19	0.6	15		
91 C1 5+50			62	0.5	5		
91 C1 6+25			191	0.5	<5		
91 C1 6+50			302	0.6	<5		
91 C1 6+75			580	1.3	<5		



REPORT: 106-2897

PROJECT: ROP

PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Ag PPM	Au PPM	Au/wt G	Au/wt G
SI C1 7+00			1800	7.1	190		
SI C1 7+25			1150	4.7	160		
SI C1 7+50			118	0.9	5		
SI C1 7+75			122	0.6	<5		
SI C1 8+00			860	2.6	<5	8.26	
SI C1 8+25			359	1.7	<5		
SI C1 8+50			820	5.2	45		9.22
SI C1 8+75			700	3.7	190	7.68	
SI C1 9+00			197	1.3	5		
SI C1 9+25			575	7.6	30		
SI C1 9+50			171	2.3	<5		10.00
SI C1 9+75			161	3.8	10	6.88	
SI C1 10+00			90	1.4	15		
SI LC2 0+00			660	5.9	<5		10.00
SI LC2 0+25			180	1.5	10		
SI LC2 0+50			1610	5.6	15		
SI LC2 0+75			346	1.8	10		
SI LC2 1+00			930	2.2	30		
SI LC2 1+25			420	2.3	<5		
SI LC2 1+50			196	2.5	<5		
SI LC2 1+75			133	1.9	20		
SI LC2 2+00			275	1.0	<5		
SI LC2 2+25			50	0.4	15	15	15
SI LC2 2+50			312	1.8	<5		
SI LC2 2+75			166	0.7	<5		
SI LC2 3+00			100	0.9	<5		
SI LC2 3+25			42	1.1	20		
SI LC2 3+50			22	1.0	85		
SI LC2 3+75			84	19.0	340	7.49	
SI LC2 4+00			66	2.0	40	7.00	
SI LC2 4+25			51	1.1	15		
SI LC2 4+50			45	1.1	30		
SI LC2 4+75			97	0.7	10		
SI LC2 5+00			342	0.9	30		
SI LC2 5+25			122	0.6	<5		
SI LC2 5+50			34	0.3	<5		
SI LC2 5+75			385	1.4	25		
SI LC2 6+00			3270	14.0	220		
SI LC2 6+25			370	1.0	10	9.11	
SI LC2 6+50			3060	12.0	780		



REPORT: 106-2897

PROJECT: ROB

PAGE 9

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Ag PPM	Au PPM	Au/wt G	Au/wt G
S1 LC2 6+75			414	3.0	25	7.86	
S1 LC2 7+00			130	0.5	5		
S1 LC2 7+25			114	0.6	<5		
S1 LC2 7+50			1620	9.2	130		
S1 LC2 7+75			1010	2.6	90		
S1 LC2 8+00			580	2.6	30		
S1 LC2 8+25			450	3.0	45		
S1 LC2 8+50			625	5.3	20		
S1 LC2 8+75			1300	7.9	400		
S1 LC2 9+00			555	20.0	10		
S1 LC2 9+25			460	1.0	10		
S1 LC2 9+50			178	3.4	<5		
S1 LC2 9+75			130	1.9	<5		
S1 LC2 10+00			53	1.2	<5		
S1 C3 0+00			231	1.4	<5		
S1 C3 0+25			149	1.6	5		
S1 C3 0+50			246	2.9	<5		
S1 C3 0+75			38	0.3	<5	6.89	
S1 C3 1+00			965	2.2	20		
S1 C3 1+25			925	2.2	10		
S1 C3 1+50			685	1.6	10		
S1 C3 1+75			266	4.2	85	6.88	
S1 C3 2+00			294	2.0	10		
S1 C3 2+25			950	2.8	60		
S1 C3 2+50			224	1.0	<5	9.20	
S1 C3 2+75			114	0.8	10		
S1 C3 3+00			225	1.0	10		
S1 C3 3+25			120	0.4	<5		
S1 C3 3+50			520	0.6	5		
S1 C3 3+75			258	1.2	10	9.76	
S1 C3 4+00			54	0.4	<5		
S1 C3 4+25			107	0.6	10	9.80	
S1 C3 4+50			278	1.2	15		
S1 C3 4+75			1640	3.2	30		
S1 C3 5+00			1530	3.4	40		
S1 C3 5+25			1465	5.2	40		
S1 C3 5+50			545	13.0	35		
S1 C3 5+75			2340	17.0	35		
S1 C3 6+00			239	1.8	15		
S1 C3 6+25			735	3.1	10		



REPORT: 126-2897

PROJECT: RO5

PAGE 10

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Ag PPM	Au PPM	Au/wt G	Au/wt G
S1 C3 6+50			1880	7.2	95		
S1 C3 6+75			288	1.4	15		
S1 C3 7+00			278	1.2	20		
S1 C3 7+25			2640	11.0	25		
S1 C3 7+50			1035	3.1	10		
S1 C3 7+75			1915	14.0	110	4.00	6.00
S1 C3 8+00			6340	250.0	50		
S1 C3 8+25			152	1.5	<5		
S1 C3 8+50			485	3.8	<5		
S1 C3 8+75			156	0.8	<5		
S1 C3 9+00			99	0.4	<5		
S1 C3 9+25			251	4.5	<5		
S1 C3 9+50			72	1.5	<5		
T1 MTA-S-01		72	56	0.9	<5		
T1 MTA-S-02		66	24	0.4	10		
T1 MTA-S-03		105	45	0.7	10		
T1 MTA-S-04		125	37	0.7	5		
T1 MTA-S-05		112	42	0.7	10		
T1 MTA-S-06		136	114	3.5	5		
T1 MTA-S-07		116	68	1.0	5		
T1 MTA-S-08		80	165	4.0	<5		
T1 MTA-S-09		64	115	0.5	<5		
T1 MTA-S-10		80	112	1.8	15		
T1 MTA-S-11		70	266	2.5	30		
T1 MTA-S-12		50	126	1.0	<5		
T1 MTA-S-13		46	135	1.5	10		
T1 MTA-S-14		24	104	1.2	15		
T1 MTA-S-15		50	126	3.2	180		
T1 MTA-S-16		46	430	4.4	20		
T1 MTA-S-17		34	415	2.4	35		
T1 MTA-S-18		22	54	1.2	360		
T1 MTA-S-19		14	36	1.0	20		
T1 MTA-S-21		180	1700	8.5	240		
T1 MTA-S-22A		22	72	1.4	40		
T1 MTA-S-22B		14	69	1.2	40		
T1 MTA-S-23		18	73	0.8	60		
T1 MTA-S-24		39	397	2.5	65		
T1 MTA-S-25		44	212	27.0	70		
T1 MTA-S-26		28	85	1.9	20		
T1 MTA-S-27		34	89	0.7	20		



REPORT: 126-1297

PROJECT: ROR

PAGE 11

SAMPLE NUMBER	ELEMENT UNITS	CU PPM	PB PPM	AG PPM	AU PPM	Au/wt G	Au/wt G
T1 MTA-S-28		15	47	0.2	5		
T1 MTA-S-29		52	22	1.4	520		
T1 MTA-S-30		300	41	2.7	490		
T1 MTA-S-31		53	66	1.5	25		
T1 MTA-S-32		44	40	0.6	15		
T1 MTA-S-33		72	22	0.6	15		
T1 MTA-S-34		52	24	0.2	10		
T1 MTA-S-35		30	56	0.8	10		
T1 MTA-S-36		56	133	0.5	5		
R2 864401			1135	22.0	5		
R2 864402			585	13.0	20		
R2 864403			7510	>50.0	15		
R2 864404			4710	>50.0	7100		
R2 864405			5430	>50.0	500		
R2 864406			>10000	>50.0	>10000		
R2 864407			2460	>50.0	2900		
R2 864408			930	2.0	65		
R2 864409			>10000	>50.0	820		
R2 864410			470	14.0	120		
R2 864411			9670	>50.0	340		
R2 864412			84	1.2	10		
R2 864413			500	9.2	220		
R2 864414			125	4.0	380		
R2 864415			124	2.6	5		

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



# BONDAR-CLEGG

Certificate  
 of Analysis

REPORT: 626-2897 ( COMPLETE )

REFERENCE INFO: MHSE 46-191

CLIENT: ANINA RESOURCES INC.

SUBMITTED BY: H KEYSER

PROJECT: ROB

DATE PRINTED: 7-AUG-86

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold - FIRE ASSAY	1	0.001 OPT		
2	Ag Silver	8	0.01 OPT		
3	Pb Lead	1	0.01 PCT		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOILS	1	1 -80	1	AS RECEIVED, NO SP	8
R ROCK OR RED ROCK	7	2 -150	7		

NOTES: = indicates SEE OBS REMARKS

REMARKS: Au WAS FOUND IN THE +150 MESH FRACTION AFTER SCREENING AND CALCULATED INTO THE TOTAL.

REPORT COPIES TO: MR. BRIAN DOUTAZ  
 MR. HARMEN KEYSER  
 MR. HARMEN KEYSER  
 MBW SURVEYS LTD.

INVOICE TO: MR. BRIAN DOUTAZ



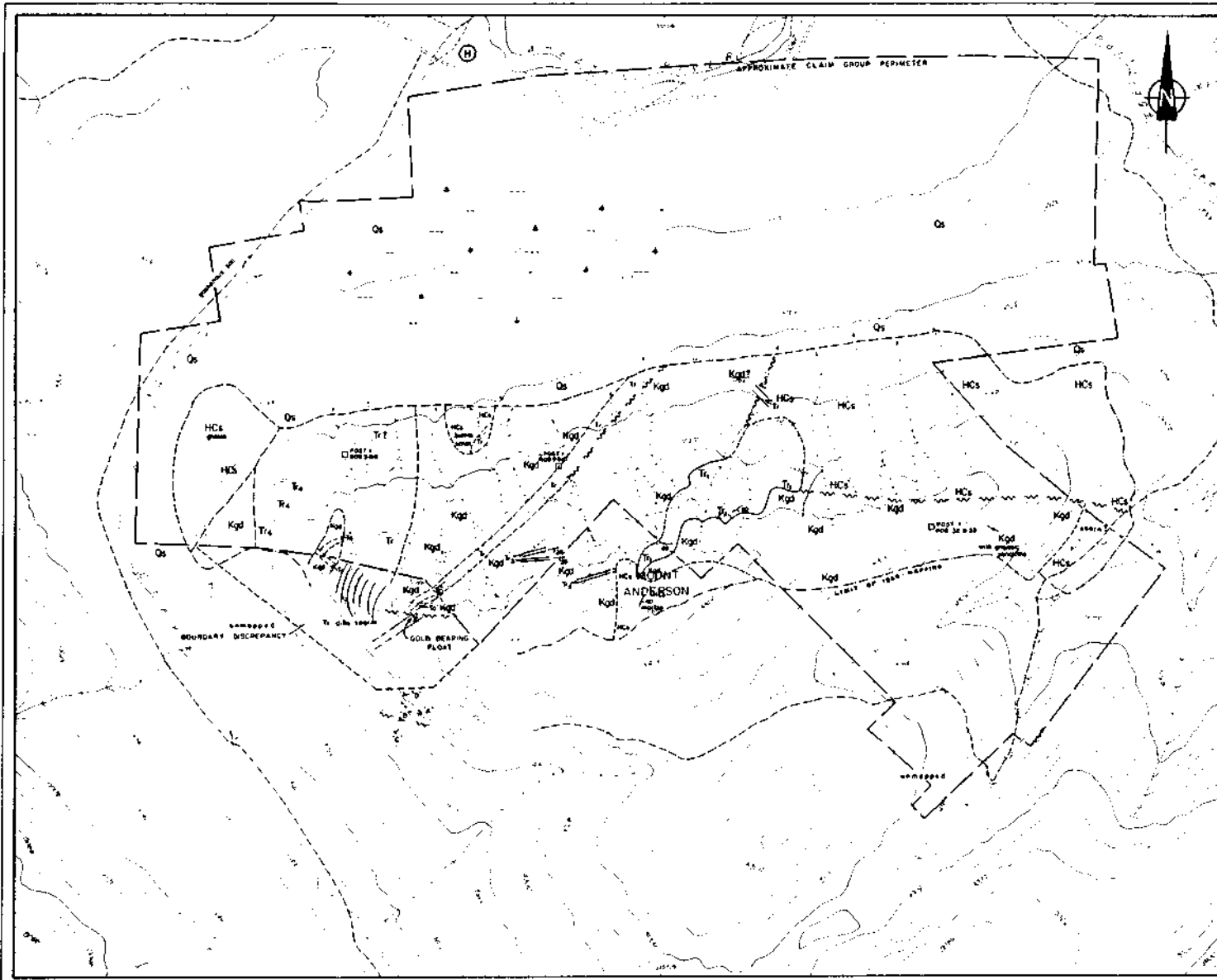
REPORT: 626-2897

PROJECT: ROB

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Pb PCT
S1 C3 8+00			1.48	
R2 864403			6.23	
R2 864404			2.89	
R2 864405			2.19	
R2 864406		6.273=	15.21	
R2 864407			1.86	
R2 864409			7.16	2.09
R2 864411			1.71	

Registered Assayer, Province of British Columbia



## LEGEND

### LITHOLOGIES

#### QUATERNARY

Qs unconsolidated surficial deposits

#### TERTIARY (EOCENE)

Tr T1 rhyolite, unweathered  
 T2 orange to black weathering finely jointed ophanitic rhyolite. Occasional quartz eyes  
 T3 gray weathering silicified rhyolite porphyry  
 T4 light green weathering spherulitic rhyolite  
 T5 white weathering, clay-altered rhyolite porphyry

To andesite, porphyritic

#### CRETACEOUS

Kgd granodiorite porphyry

#### PRECAMBRIAN

HCS YUKON GROUP: gneiss, schist, quartzite, marble

### SYMBOLS

- lithologic boundary, defined, approximate
- fault, defined, assumed
- dike section, showing approximate strike
- attitude of structure
- attitude of jointing
- helicopter base
- adit (if inaccessible)
- claim post
- swamp
- roads
- creeks, streams
- lake
- sand bar
- elevation contour, interval 100 ft

Notes - Locations based on 1:40,000 scale aerial photographs, and reference to barometer elevations  
 - Geology by H. Kiefer and D. David, July 1988

0 100 200 300 400 500 600 700 800  
 SCALE IN METERS

JBD MANAGEMENT SVC., INC.

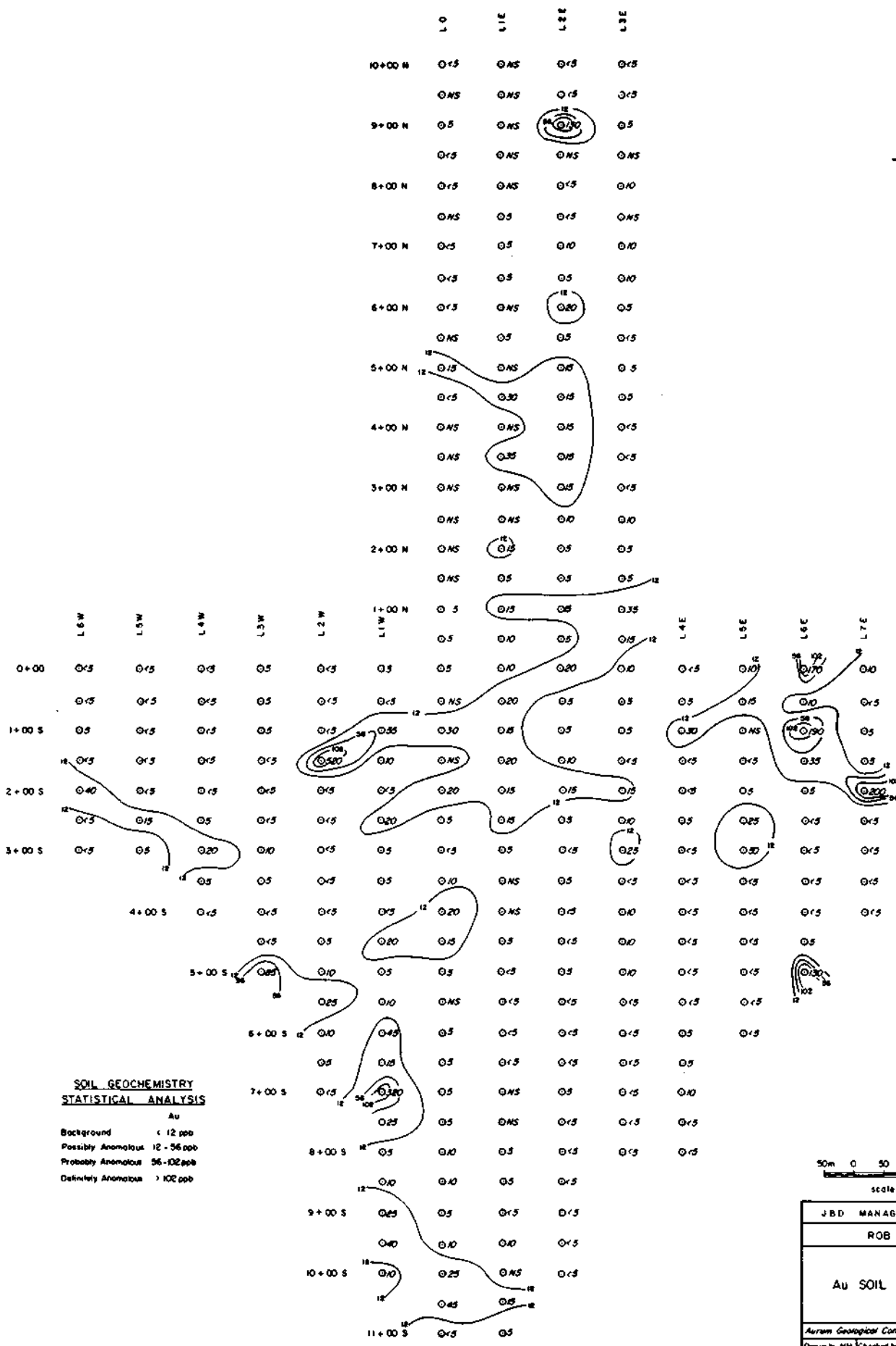
ROB CLAIMS  
 Highway 100, Yukon Territory

GEOLOGY

Aurum Geological Consultants Inc. FEBRUARY, 1987

NTS 105 D/3 Drawn by Scale 1: FIGURE 3





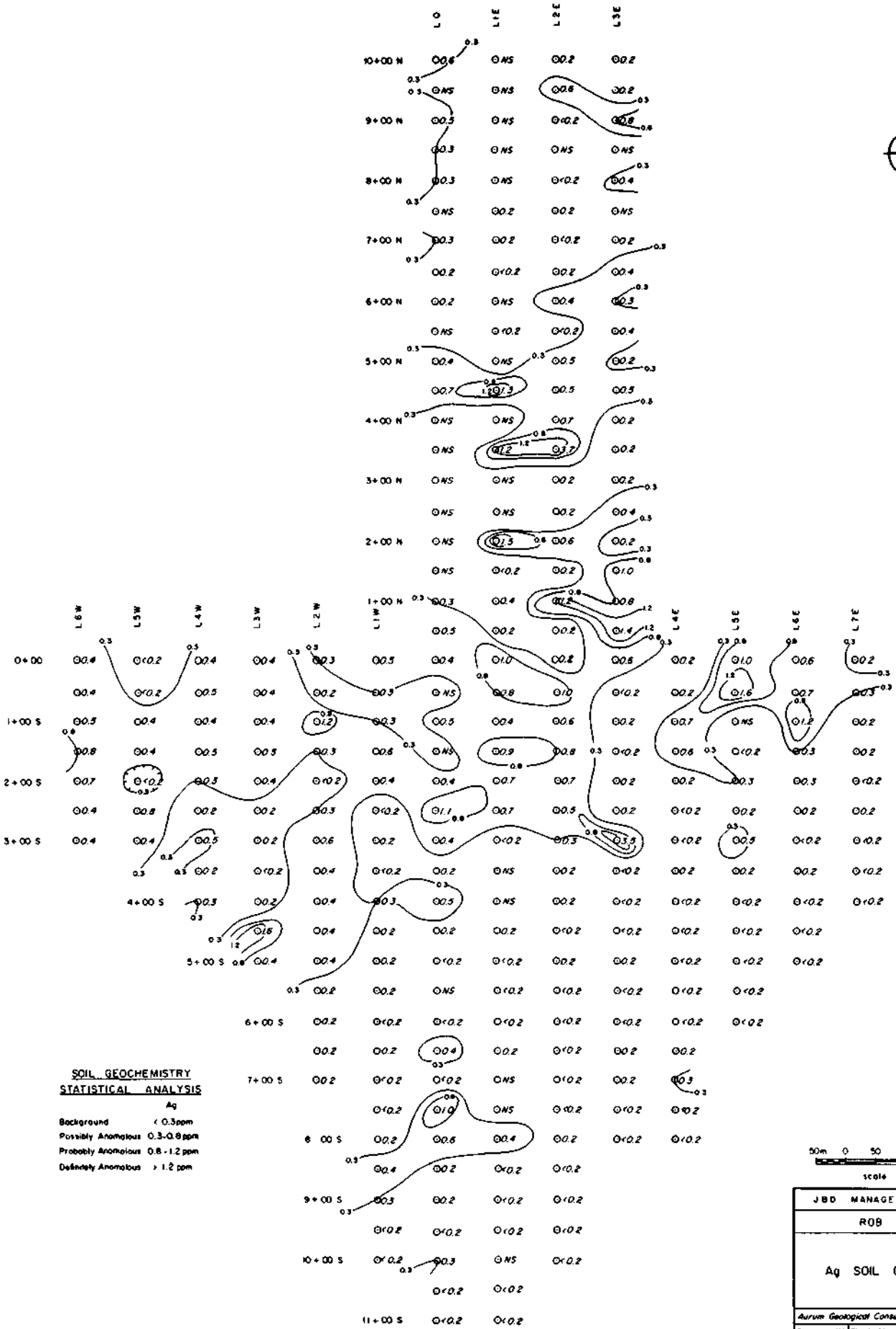
**SOIL GEOCHEMISTRY  
STATISTICAL ANALYSIS**

Au

Background < 12 ppb  
Possibly Anomalous 12 - 56 ppb  
Probably Anomalous 56 - 102 ppb  
Definitely Anomalous > 102 ppb



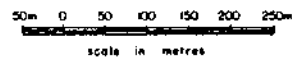
JBD MANAGEMENT SVC., INC.	
ROB CLAIMS	
Au SOIL GEOCHEMISTRY	
Aurum Geological Consultants Inc.	February, 1987
Drawn by NH [Checked by MK] Scale 1	FIGURE 5



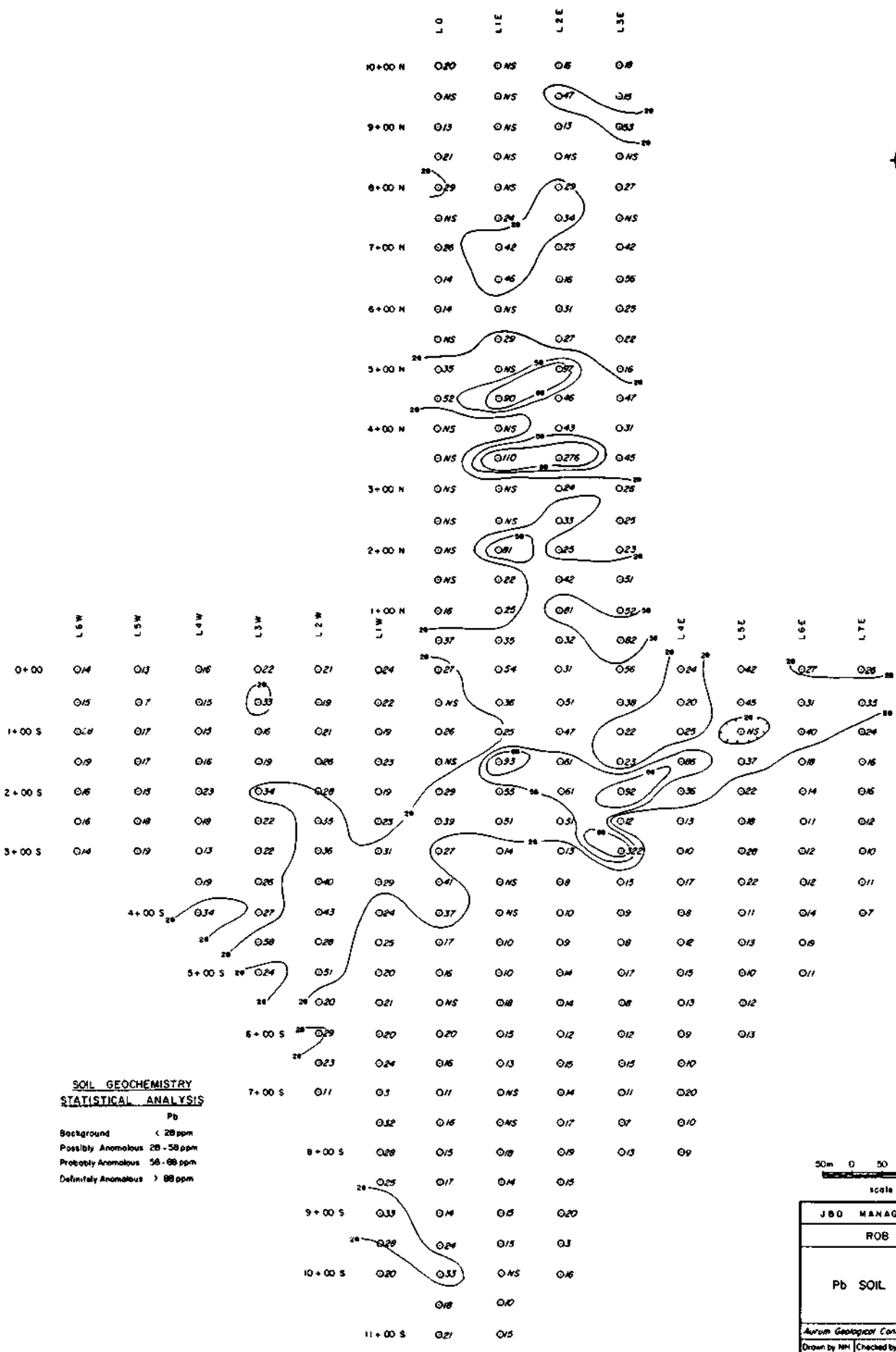


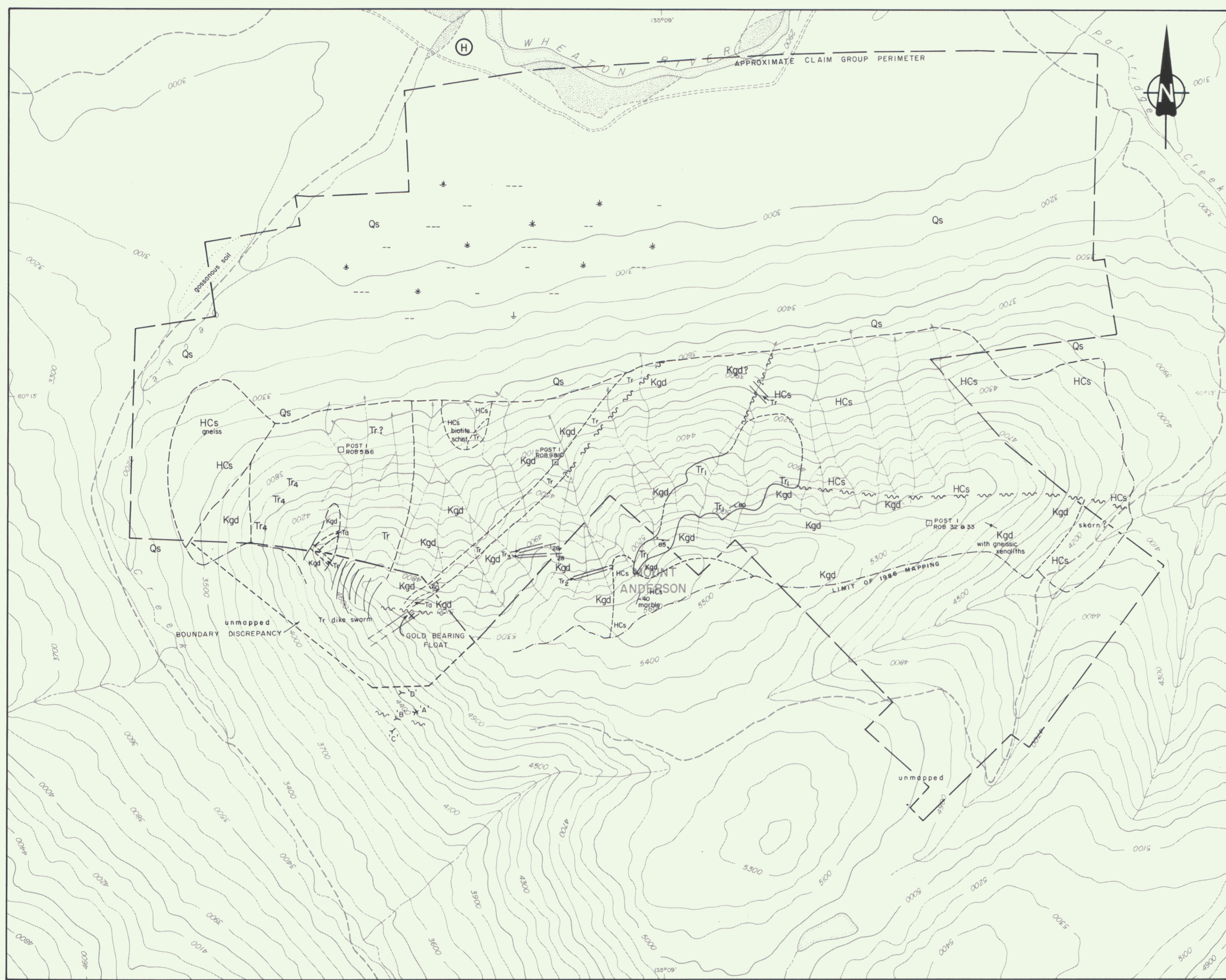
**SOIL GEOCHEMISTRY  
STATISTICAL ANALYSIS**

Pb  
 Background < 20 ppm  
 Possibly Anomalous 20 - 50 ppm  
 Probably Anomalous 50 - 80 ppm  
 Definitely Anomalous > 80 ppm



JBD MANAGEMENT SVC., INC.	
ROB CLAIMS	
Pb SOIL GEOCHEMISTRY	
Aurum Geological Consultants Inc.	February, 1987
Drawn by NH	Checked by HK
Scale 1:	FIGURE 7





**LEGEND**

**LITHOLOGIES**

**QUATERNARY**

Qs unconsolidated surficial deposits

**TERTIARY (EOCENE?)**

Tr rhyolite, undifferentiated  
 Tr<sub>1</sub> Orange to black weathering finely jointed aphanitic rhyolite. Occasional quartz eyes.  
 Tr<sub>2</sub> grey weathering silicified rhyolite porphyry  
 Tr<sub>3</sub> light green weathering spherulitic rhyolite  
 Tr<sub>4</sub> white weathering, clay-altered rhyolite porphyry

Ta andesite; propylitized

**CRETACEOUS**

Kgd granodiorite porphyry

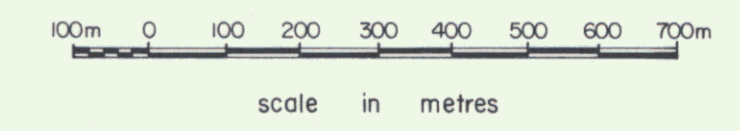
**PRECAMBRIAN**

HCs YUKON GROUP: gneiss, schist, quartzite, marble

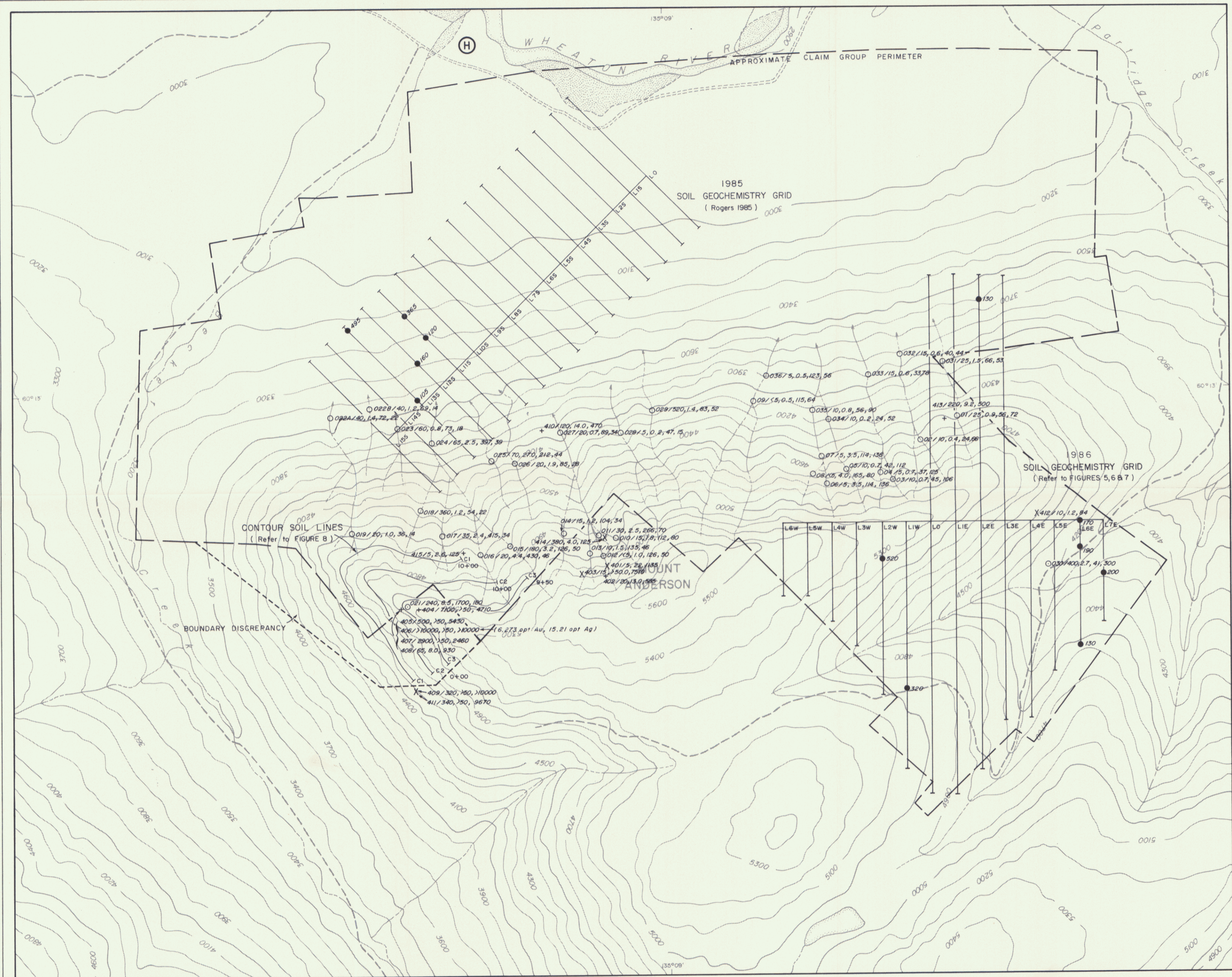
**SYMBOLS**

- lithologic boundary, defined, approximate
- fault, defined, assumed
- dike swarm; showing approximate strike
- attitude of structure
- attitude of jointing
- helicopter base
- adit (★ inaccessible)
- claim post
- swamp
- roads
- creeks, streams
- lake
- sand bar
- elevation contour; interval 100 ft.

Notes - Locations based on 1:40,000 scale aerial photographs, and reference to surveyed claim posts.  
 - Geology by H. Keyser and D. David, July 1986.

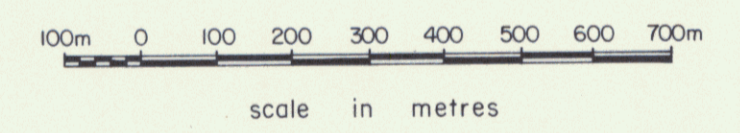


J B D MANAGEMENT SVC., INC.			
<b>ROB CLAIMS</b> Wheaton River, Yukon Territory			
 <b>GEOLOGY</b> <span style="float: right; font-size: 1.5em; font-weight: bold;">091948</span>			
Aurum Geological Consultants Inc.		FEBRUARY, 1987	
NTS I05 D/3	Drawn by DD, HK / NH	Scale 1:10,000	FIGURE 3



**LEGEND**

- stream sediment sample location (MTA-S-XX)
- soil sample location (MTA-S-XX)
- X rock sample location; outcrop (864XXX)
- + rock sample location; float (864XXX)
- 01/25, 0.9, 56, 72 sample number / Au ppb, Ag ppm, Pb ppm & Cu ppm { stream sediment  
sample number / Au ppb, Ag ppm & Pb ppm ← rock } soil
- 170 soil geochemistry grid (see FIGURE 5, 6 & 7)  
with Au values > 100 ppb
- (H) helicopter base
- roads
- creeks, streams
- lake
- sand bar
- elevation contour; interval 100ft.



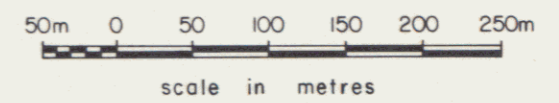
J B D MANAGEMENT SVC., INC.	
<b>ROB CLAIMS</b> Wheaton River, Yukon Territory	
<div style="float: right; border: 1px solid black; border-radius: 50%; padding: 2px;">1291</div> <p style="font-size: 24pt; margin: 0;"><b>GEOCHEMISTRY</b></p> <p style="font-size: 24pt; margin: 0;"><b>091948</b></p>	
Aurum Geological Consultants Inc.	FEBRUARY, 1987
NTS I05 D/3	Drawn by DD, HK / NH
Scale 1:10,000	FIGURE 4





**SOIL GEOCHEMISTRY  
STATISTICAL ANALYSIS**

Ag  
Background <math><0.3</math> ppm  
Possibly Anomalous 0.3-0.8 ppm  
Probably Anomalous 0.8-1.2 ppm  
Definitely Anomalous >1.2 ppm



JBD MANAGEMENT SVC., INC.	
ROB CLAIMS	
1294 Ag SOIL GEOCHEMISTRY	
091948	
Aurum Geological Consultants Inc.	February, 1987
Drawn by NH	Checked by HK
Scale 1:5000	FIGURE 6



**SOIL GEOCHEMISTRY  
STATISTICAL ANALYSIS**

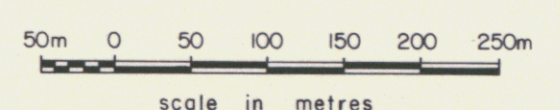
Pb

Background < 28 ppm

Possibly Anomalous 28 - 58 ppm

Probably Anomalous 58 - 88 ppm

Definitely Anomalous > 88 ppm



JBD MANAGEMENT SVC., INC.	
ROB CLAIMS	
1295	
Pb SOIL GEOCHEMISTRY	
<b>091948</b>	
Aurum Geological Consultants Inc.	February, 1987
Drawn by NH	Checked by HK
Scale 1:5000	FIGURE 7