

092875

MAP NO.: ASSESSMENT REPORT X  
05 D 3 PROSPECTUS  
CONFIDENTIAL X  
OPEN FILE

DOCUMENT NO: ~~092875~~  
MINING DISTRICT: WHITEHORSE  
TYPE OF WORK: TRENCHING MAPPING

REPORT FILED UNDER: AURUM GEOLOGICAL CONSULTANTS INC.

DATE PERFORMED: JUNE 5-7, 1991

DATE FILED: AUGUST 22, 1991

LOCATION: LAT.: 60°13'N

AREA: MT. ANDERSON, WHEATON

LONG.: 135°09'W

VALUE \$: 4,600

CLAIM NAME & NO.: ROB 1-38  
ROB 39-54FR

WORK DONE BY: AURUM GEOLOGICAL CONSULTANTS; R. HULSTEIN

WORK DONE FOR: ADDA MINERALS COMPANY LIMITED

DATE TO GOOD STANDING:

REMARKS: 480 METERS OF TRENCHING ON THE ROB 30 AND 32 CLAIMS WAS COMPLETED. THIS EQUALS APPROXIMATELY 1440 CUBIC METERS OF MATERIAL. NINE ROCK AND ONE SOIL SAMPLE WERE COLLECTED FROM THE TRENCHES. BOTH QUARTZ VEIN AND SKARN TYPE MINERALIZATION ARE LOCATED ON THE PROPERTY. 1991 WORK FOCUSED ON THE SKARN MINERALIZATION. A 0.10 METER WIDE BAND OF GARNET-ACTINOLITE SKARN RETURNED 1365 PPB AU, 2972 PPM CU AND 66,640 PPM ZINC. ICP ANALYSIS RETURNED 2 PPM AU. NE TRENDING STRUCTURES ARE THOUGHT TO CONTROL MINERALIZATION.



## 1991 TRENCHING PROGRAM ON THE ROB CLAIMS

Whitehorse M.D., Y.T.

092975

**Claims:** ROB 1-38 YA82113-150)  
ROB 39-44 fr YA93399-404  
ROB 45-46 fr (YA95190-191  
ROB 47-54 fr (YA97117-124

**Location:** 1. 55 km south of Whitehorse, Y.T.  
2. NTS Sheet 105 D/3  
3. Latitude 60°13'  
Longitude 135°09'

**For:** Adda Minerals Company Limited  
P.O. Box 24140  
Richmond, B.C.  
V7B 1Y3

**By:** Roger Hulstein, B.Sc., FGAC  
Aurum Geological Consultants Inc.  
P.O. Box 4367  
Whitehorse, Yukon Territory  
Y1A 3T5

August 9, 1991



August 9, 1991  
Whitehorse, Yukon

Mr. R. H. Whittingham  
Mining Recorder  
Whitehorse Mining District  
Room 201 Federal Building  
Whitehorse, Yukon  
Y1A 2B5

Dear Sir;

Re: 1991 assessment work on the Rob Claim Group.

Please find enclosed plan maps, sample descriptions, geochemical analysis and a statement of costs from the trenching program carried out from June 5th to 7th this year.

A total of 480 linear meters of side hill trenching, approximately 1440 cubic meters, were completed on the Rob 30 (YA82142) and Rob 32 (YA82140) claims. Nine rock samples and one soil sample were collected and the trenches were surveyed by chain and compass and geologically mapped.

I trust that the enclosed information will meet the 1991 assessment requirements as filed in June, 1991.

Sincerely  
Aurum Geological Consultants Inc.

Roger Hulstein, B.Sc.

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 \$ 4,600.

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

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Trench Map, Geology and Geochemistry 1:500 scale	in pocket

## 1991 EXPLORATION SUMMARY

The following background material is largely summarized from a report (Report on the Rob Claims) prepared by Harmen Keyser of Aurum Geological Consultants Inc. for Adda Minerals Company Limited.

Adda Mineral Company Limited's Rob claims consist of 54 contiguous quartz claims located in the Wheaton River area, Yukon. They are easily accessible by road from Whitehorse, Yukon.

The property is underlain by Precambrian gneiss, schist and local limestone or marble beds. These rocks have been intruded by Cretaceous (?) granitoid rocks of the Coast Plutonic Complex which underlie most of the property. Eocene hypabyssal and volcanic intermediate to felsic rocks intrude and overlie all other lithologies. Little is known about the structural geology underlying the property. A northeast trending fault is suspected in the valley, where the access road is located, east of the trenched area. Anomalous soil samples results from previous soil sampling surveys are clustered near this suspected structure.

Previous work programs consisted of geological mapping, geochemical sampling, claim surveying, and prospecting. This work identified two types of mineralization on the property: (1) quartz vein-type mineralization at or near the southwestern claim boundary as evidenced by float, (2) skarn-type mineralization near the eastern part of the property. Additional targets are provided by geological and geochemical anomalies on other parts of the ground.

Work in 1991 focused on the skarn type mineralization found on Rob 28 and Rob 32 claims (Figure 3). Bulldozer trenching by a Cat D7G, owned by Caron Diamond Drilling, on the steep (+30°) southeast facing slope consisted of 480 linear meters of trenching removing approximately 1440 cubic meters of material. The trenches were geological mapped and rock samples collected where significant mineralization was noted.

The trenched area is underlain by a central limestone or marble unit flanked by quartz-feldspar-mica gneiss and schist. A small discontinuous body of granodiorite was mapped intruding the limestone at one location only although granodiorite is exposed approximately 500 meters northwest of the trenched area. The schist/gneiss contains, on average, 2-5% disseminated pyrite and or pyrrhotite while chalcopyrite was found in trace amounts (<0.5%). A strongly pyritized zone containing up to 826 ppm copper and 580 ppm zinc was exposed on the west side of the trenched area, near TP-19. The most significant mineralization found was a thin (0.10 meter wide) band of garnet-actinolite skarn

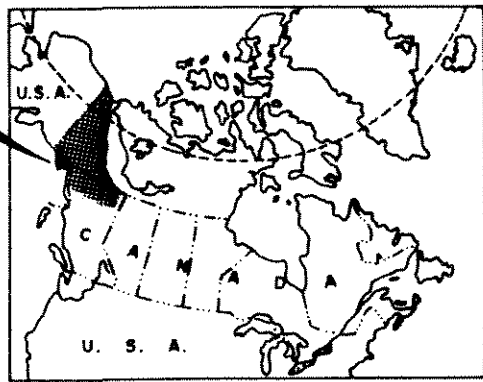
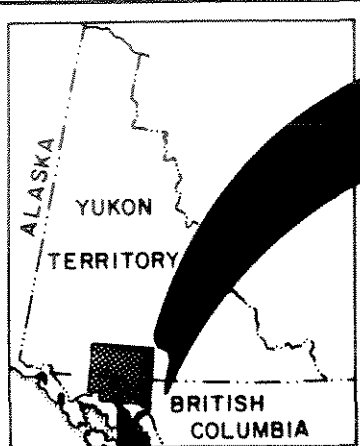
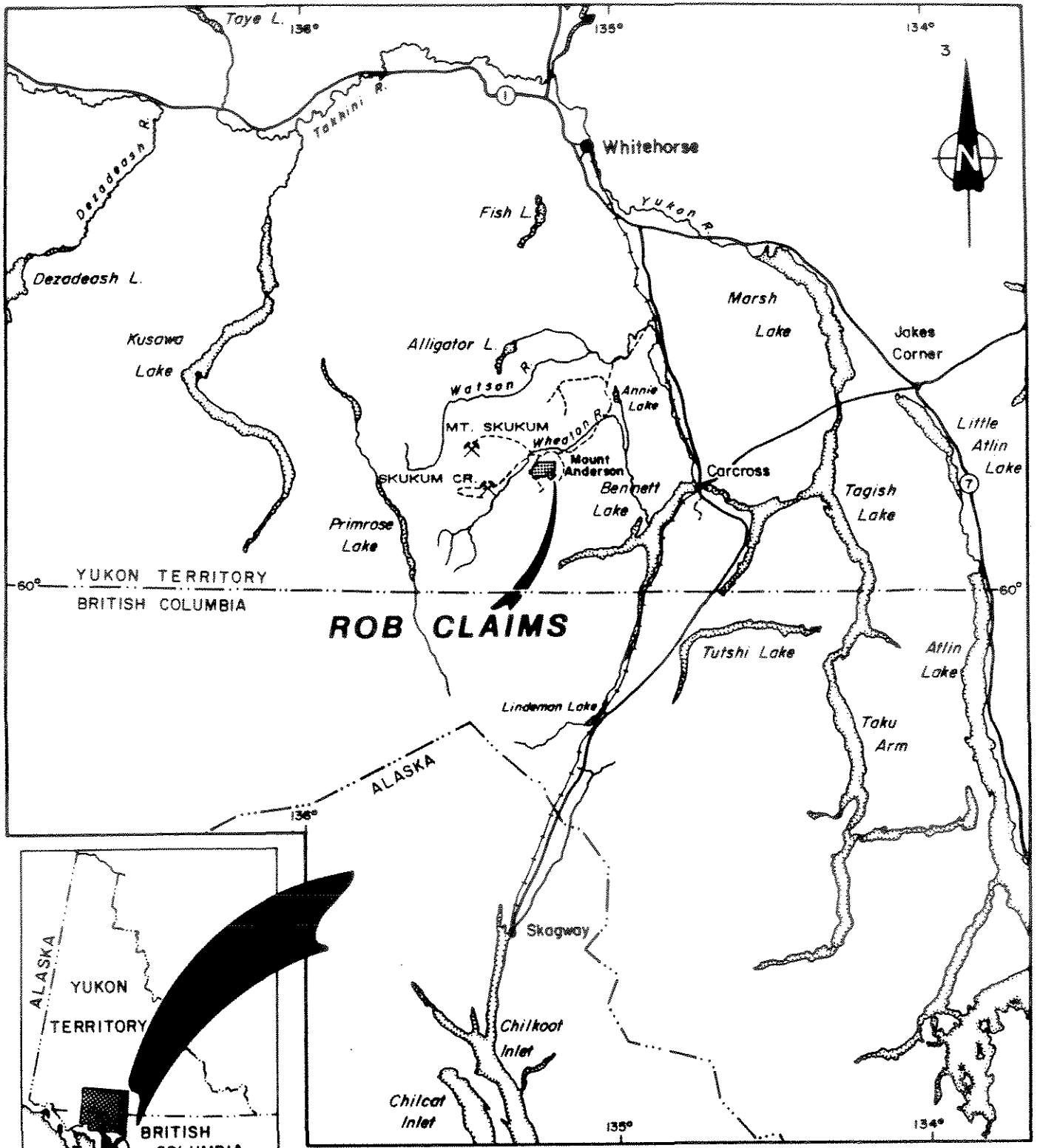
which returned 1365 ppb gold, 2972 ppm copper and 66640 ppm zinc. An analysis of this skarn mineralization by ICP (Induced Coupled Plasma) returned 4 ppm gold. Another sample (# 206132) located just north of the property returned 2 ppm gold by ICP and 120 ppb by FA/AAS.

It is recommended that more analytical work be carried out to determine the actual gold content of rock samples that returned anomalous gold results by the ICP method. The trenched area and its immediate vicinity (approximately 500 meters in every direction) should be further explored by soil and rock sampling, geophysics (magnetometer and VLF), trenching and geological mapping to follow up on the anomalous results found to date. In particular the pyritized area containing anomalous copper and zinc values warrants further work. Careful attention should be paid to any structures suspected of controlling mineralization (ie. northeast trending faults).

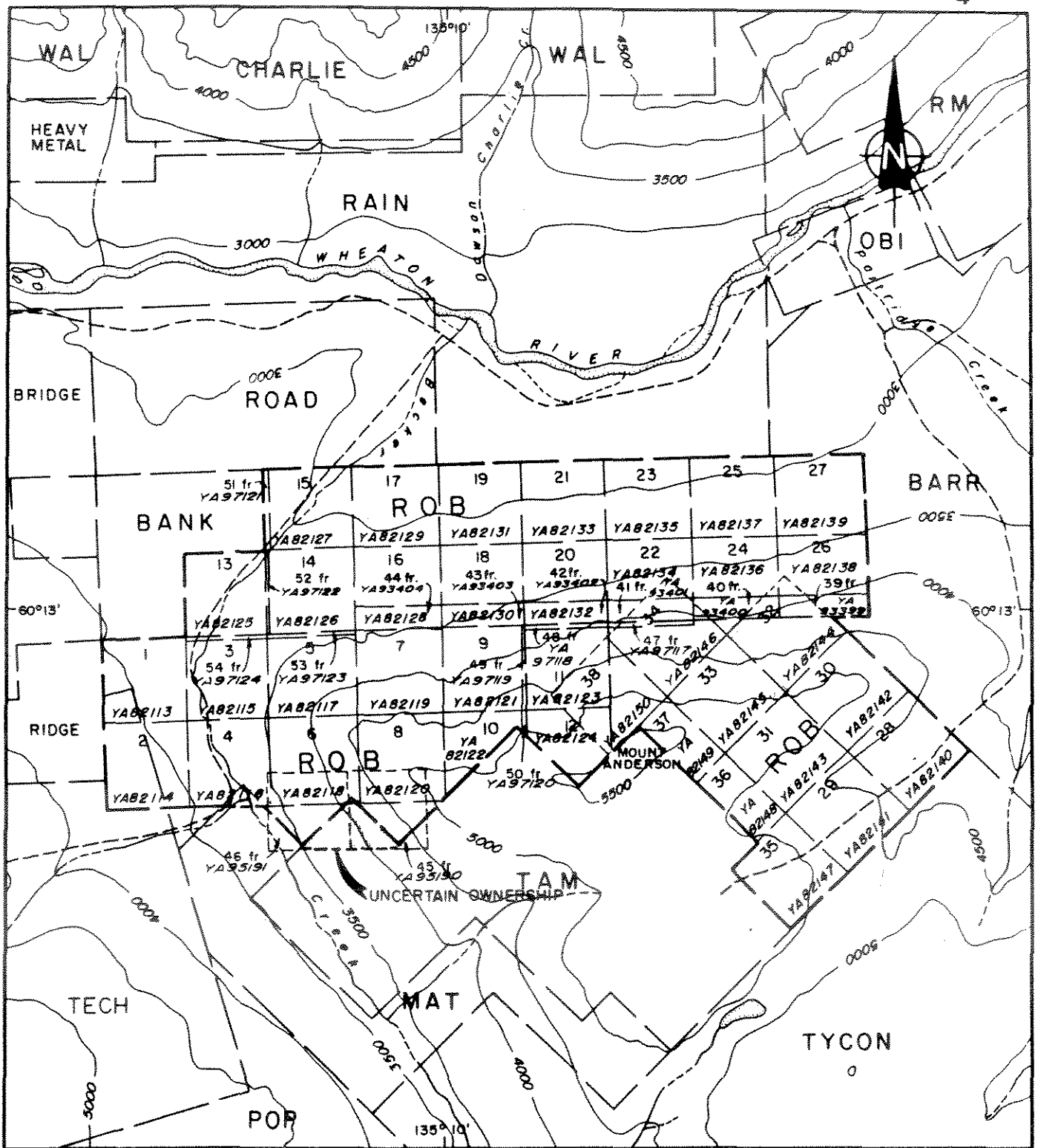
#### PROPERTY STATUS

Claim Name	Grant No's	Recording Date	Expiry Date
Rob 1-38	YA 82113-150	June 7, 1984	June 7, 1992
Rob 39-44 fr	Ya 93399-404	Sept. 10, 1985	Sept. 10, 1992
Rob 45,45 fr	YA 95190-191	July 21, 1986	July 21, 1992
ROb 47-54 fr	Ya 97117-124	Apr. 14, 1987	Apr. 14, 1992

AUG. 9, 1991



ADDA MINERALS COMPANY LIMITED	
ROB CLAIMS WHITEHORSE MINING DISTRICT	
<b>LOCATION</b>	
Aurum Geological Consultants Inc.	, 199
Drawn by NH	Checked by HK
Scale 1:1,000,000	FIGURE 1



**LEGEND**

- 28 claim boundary
- YAB2140 claim number
- tag number

- gravel road
- river, creek
- lake

-4000- elevation contour ; interval 500ft.

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

500m 0 500 1000 1500m  
SCALE IN METRES

ADDA MINERALS COMPANY LIMITED  
ROB CLAIMS  
WHITEHORSE MINING DISTRICT

CLAIM MAP

Aurum Geological Consultants Inc. 199  
NTS 105D/3 Drawn by NH Scale 1:30,000 FIGURE 2

## STATEMENT OF COSTS

**Aurum Geological Consultants Inc.**  
 Re: Trenching Program on the Rob Claims

Professional Services  
 Fieldwork

R. Hulstein, B.Sc., FGAC; June 5, 6 & 7, 1991  
 3.0 days @ \$375.00/day: \$1,125.00

G. Petite, B.Sc.; June 5 & 6, 1991  
 2.0 days @ \$300.00/day: 600.00

Report Preparation

R. Hulstein, B.Sc. FGAC  
 1.5 days @ \$375.00/day: 562.50

Expenses

Gasoline:	61.68	
Caron Diamond Drilling:	2,584.05	
Analytical:	208.38	
Reprographics:	60.00	
Aurum FWD Truck Rental (3 days @ \$100.00/day):	300.00	

subtotal: 3,214.11

**TOTAL COST:** 5,501.61

Date: JUNE 6/91

Project: ADDA #26

Area: MOUNT ANDERSON

Page 2 of

Sample No.	Location	Description	Attitude	Width	Analytical Results			
					Au ppb	Ag ppm	Cu ppm	Zn ppm
206134	DIRECTLY ABOVE TP 5	BANDED SILICIFIED SKARNEY GNEISS - GREY COLOR, 1-5% DISS py + po TRACE DISS cpy BLEBS SAMPLE SITE IN CONTORTED/ FOLDED LIMY SEDIMENTS.	GRAB		11	0.3	83	61
206135	2m ABOVE TP19 ON BANK	LIGHT-DARK GREY, MED. GRAINED, WITH QTZ BLEBS, SILICIFIED SKARNEY GNEISS 2-5% SULFIDES, 1% po, 1% cpy, Tr sp?? IN SMALL <del>STREVE</del> INLETS cpy WEATHERS PEACOCK COLORS	GRAB		<10	2.0	814	574
206136	2m NORTH OF #206135	SAME AS 206135	026/82E FRACTURE		<10	2.0	826	580
206137	NORTH END of UPPER TRENCH/ROAD, TP20 + 62m NORTH  LOCATED NEAR OLD SAMPLE # 4832 28?? ABOVE TR #1	GARNET, TREMOLITE - ACTINOLITE, DIOPSIDE SKARN, 10cm BAND DIPPING GENTLY ~10° WEST. APPROX 10% sp, Tr cpy, <3% py, IN GREENISH QUARTZOSE MATRIX, MALACHITE, AZURITE AND LIMONITE STAINED.	136/82E BEDDING 036/82E FRACTURE	0.30m	1365	10.2	2972	66640
					4ppm ICP			

Date: JUNE 6/91

Project: ADDA #26

Area: MOUNT ANDERSON

Page 1 of

Sample No.	Location	Description	Attitude	Width	Analytical Results			
					Au ppb	Ag ppm	Cu ppm	Zn ppm
206129	TP6 + 9.4m @ 33° 2m CHIP → S	QTZ - FELDSPAR GNEISS WITH LOCAL QTZ & MAFIC BANDS. CONTAINS TRACE TO 1% DISS py, po		2m CHIP	31	0.4	36	68
206130	TOP TRENCH BETWEEN TP 9 & 10	FINE <del>GREY</del> GRAINED LIGHT GREY QTZITE, HIGHLY OXIDIZED WEATHERED SURFACE 2-5% FINE GRAINED DISS. py + po, TRACE cpy	GRAB		14	0.6	186	198
206131	NORTH END OF ROAD/TRENCH NEAR TP 17	DARK GREY GNEISS, RUSTY WEATHERING, 2-4% DISS. po, <0.5% DISS cpy POSSIBLE BORNITE IN WISPY BANDS	160/70N SHEAR/ FRACTURE  GRAB		30	0.3	374	632
206132	<del>TP 17</del> 40 mi NORTH OF TP 18 - NEAR TP 17	MEDIUM - DARK GREY QTZITE, RUSTY WEATHERED SURFACE. 2-4% DISS po TRACE cpy & py??	GRAB		28	0.3	118	120
206133	TP 6 + 9m @ 090°	DARK GREY - PURPLE BANDED GNEISSIC (SUCROSIC TEXTURE) QTZ - FELD GNEISS. UP TO 5-10% DISS py + po Tr cpy, SULFIDES ON FRACTURES			<10	0.3	118	83

June 14, 1991

Work Order # 13152

Aurum Geological Consultants Inc.  
 P.O. Box 5179  
 Whitehorse, Yukon  
 Y1A 4S3

File #  
 Project # 29

**Assay Certificate for Samples Provided**

Sample #	Au ppb	
826 - 001	40	Soil
206 - 129	31	} Rock
206 - 130	14	
206 - 131	30	
206 - 132	28	
206 - 133	<10	
206 - 134	11	
206 - 135	<10	
206 - 136	<10	
206 - 137	1365	





GEOCHEMICAL ANALYSIS CERTIFICATE



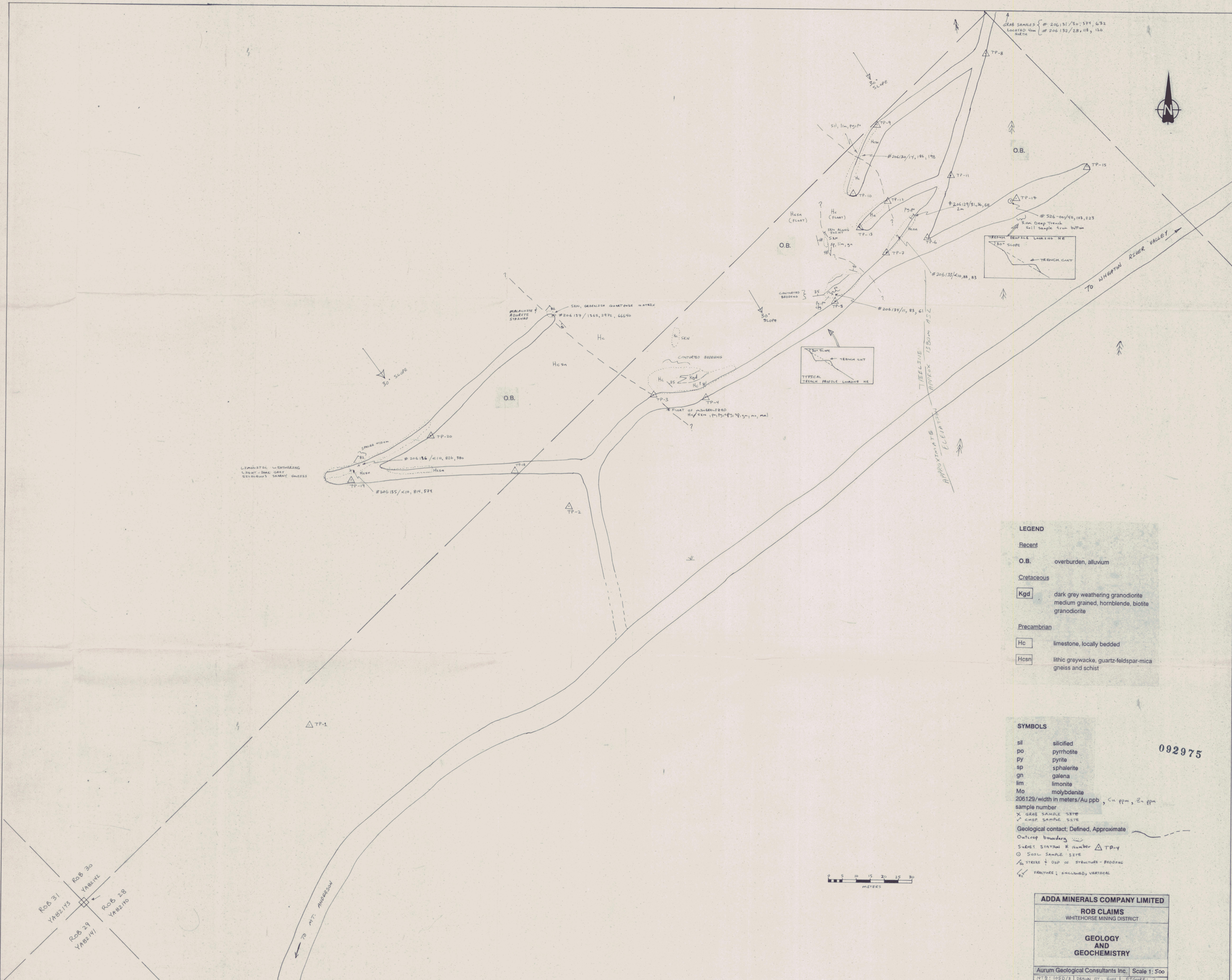
Northern Analytical Labs. Ltd. File # 91-1784  
105 Copper Road, Whitehorse YT Y1A 2Z7

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
WO#13152 001	4	103	81	223	.5	33	14	789	3.67	28	5	ND	9	84	2.9	2	4	62	.78	.076	25	42	.92	297	.15	2	2.14	.04	.21	3	
WO#13152 129	11	36	21	68	.4	10	6	327	1.96	5	5	ND	9	21	.9	2	2	26	.26	.017	15	73	.49	117	.10	8	1.07	.05	.33	1	
WO#13152 130	10	186	25	198	.6	11	8	193	2.30	3	5	ND	5	30	8.2	2	3	24	.67	.061	14	64	.34	60	.15	4	.72	.07	.07	1	
WO#13152 131	13	374	10	632	.6	33	10	490	3.16	2	5	ND	7	200	43.3	2	12	78	.93	.039	12	169	.68	129	.22	2	2.55	.19	.72	245	
WO#13152 132	66	118	8	120	.3	39	9	323	2.64	11	5	2	5	155	4.0	2	3	86	1.09	.035	11	131	.68	113	.17	2	3.04	.27	.56	9	
WO#13152 133	14	118	14	83	.3	20	9	423	2.94	4	5	ND	18	66	.6	2	6	46	.74	.036	33	150	.88	102	.25	2	1.81	.20	.45	1	
WO#13152 134	19	83	12	61	.3	22	11	320	2.64	3	6	ND	20	51	.2	2	2	34	.31	.021	23	133	.90	100	.20	2	1.76	.08	.99	1	
WO#13152 134 (DUP)	13	395	6	113	.8	17	11	305	2.60	2	5	ND	5	38	1.9	2	3	51	.60	.063	18	113	.60	47	.22	2	.90	.11	.25	1	
WO#13152 135	7	814	15	574	2.0	17	18	230	2.83	3	5	ND	4	36	18.3	2	6	39	.61	.079	16	67	.42	37	.20	2	.73	.09	.23	12	
WO#13152 136	7	826	14	580	2.0	17	18	239	2.86	2	5	ND	4	36	18.2	2	9	38	.61	.080	15	67	.42	37	.20	2	.71	.09	.23	13	
WO#13152 137	19	2972	11	66640	10.2	2	13	2272	3.76	43	5	4	1	26	2358.1	3	782	6	3.28	.037	3	133	.14	9	.01	2	.75	.01	.01	2	
STANDARD C	20	60	44	139	7.4	71	32	1104	4.01	38	19	6	40	53	18.9	16	22	57	.52	.090	40	59	.92	182	.09	34	1.93	.06	.15	11	

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

DATE RECEIVED: JUN 14 1991 DATE REPORT MAILED: *June 21/91* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

ASSAY RECOMMENDED



**LEGEND**

**Recent**

O.B. overburden, alluvium

**Cretaceous**

**Kgd** dark grey weathering granodiorite  
medium grained, hornblende, biotite granodiorite

**Precambrian**

**Hc** limestone, locally bedded

**Hcsn** lithic greywacke, quartz-feldspar-mica gneiss and schist

**SYMBOLS**

sil silicified  
py pyrrhotite  
py pyrite  
sp sphalerite  
gn galena  
lim limonite  
Mo molybdenite

206129/width in meters / Au ppb, Cu ppm, Zn ppm

sample number

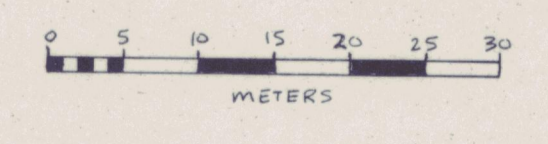
X GRAB SAMPLE SITE  
✓ CHEM SAMPLE SITE

Geological contact, Defined, Approximate

Outcrop boundary

SURVEY STATION # number Δ TP-y  
○ SOIL SAMPLE SITE  
/ STEEP DIP OR STRUCTURE - BEDDING  
/ FRACTURE; ENCLINED, VERTICAL

092975



**ADDA MINERALS COMPANY LIMITED**

**ROB CLAIMS**  
WHITEHORSE MINING DISTRICT

**GEOLOGY AND GEOCHEMISTRY**

Aurum Geological Consultants Inc. Scale 1:500  
NTS: 1050/3 DRAWN BY: RHM FIGURE 1

Rob 31  
Y#82115

Rob 30  
Y#82112

Rob 29  
Y#82111

Rob 28  
Y#82110

LIMONITE WEATHERING  
LIGHT-BROWN GRAY  
SILICIFIED GRANITE

MALACONITE  
FLUORITE  
STASNAVA

SKN, GEBELER QUARTZITE MATRIX  
#206137/1345, 2972, 66640

TRENCH PROFILE LOOKING NE  
30° SLOPE  
TRENCH CUT

TRENCH PROFILE LOOKING NE  
30° SLOPE  
TRENCH CUT  
TYPICAL

GRAB SAMPLES # 206131/30, 374, 632  
LOCATED 10m # 206132/28, 118, 120  
NORTH

#206129/31, 34, 68  
2m  
30m Deep Trench  
Soil sample from bottom

FLAT OF MINERALIZED  
Hc/SKN (Hc, Py, Sph, Mn, Mal)

TREELINE APPROX 150m ASL  
APPROXIMATE ELEVATION

TO WHEATON RIVER VALLEY

TO M.T. ANDERSON