

MAP NO. ASSESSMENT REPORT X DOCUMENT NO.: 092579
 PROSPECTUS MINING DISTRICT: Whitehorse
 CONFIDENTIAL X TYPE OF WORK: Geochemical
 105 D 9,10 OPEN FILE

REPORT FILED UNDER: Aurum Geological Consultants Inc.

DATE PERFORMED: 15 August, 1988 DATE FILED: 1 November, 1988

LOCATION: LAT.: 60 34'N, 134 30'W AREA: Marsh Lake

 LONG.: 134 30'W VALUE \$: 1000.00

CLAIM NAME & NO.: ROSSBANK 1-2 (YA86000-1); ROSSBANK 3-32 (YA92696-725); ROSSBANK 33-46 (YB13650-663); DONNY 1,3-14 (YB20234-5)

WORK DONE BY: T. Garagan, R.A. Doherty, R. Hulstein

WORK DONE FOR: B. Cofer and R. Holway

DATE TO GOOD STANDING	REMARKS: #178 ROSSBANK
	Gold occurs with galena, sphalerite and pyrite in
	quartz-calcite-barite veins in Cache Creek Group volcanic and
	ultramafic rocks. Grab samples contained up to 3700 ppb Au and
	126.5 g/t Ag.



M.R. file no.
R.M.M.R. file no.
Date forwarded 15 Nov 1988

TRANSMITTAL FORM

From **▶ Mining Recorder at:**

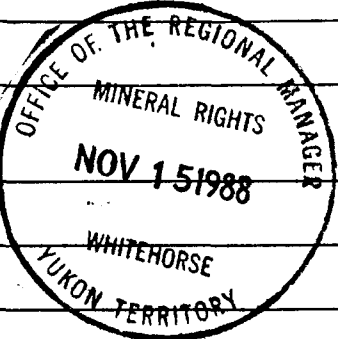
To **▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.**

For action are:

<input type="checkbox"/> NEW APPLICATION FOR PLACER LEASE TO PROSPECT	Name	
<input type="checkbox"/> RENEWAL APPLICATION PLACER LEASE TO PROSPECT	Name	Lease no.
<input type="checkbox"/> AFFIDAVIT OF EXPENDITURE ON PLACER LEASE	Name	Lease no.
<input type="checkbox"/> SECURITY DEPOSIT		
<input type="checkbox"/> FINANCIAL ABILITY		

<input type="checkbox"/> ASSIGNMENT OF PLACER LEASE NO.	From	To
<input type="checkbox"/> GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.	Owner	

<input type="checkbox"/> DIAMOND DRILL LOGS	Claims	Claim sheet no.
<input checked="" type="checkbox"/> QUARTZ ASSESSMENT REPORT	Claims <i>Rossbank 1-38 4A86000 etc</i>	Claim sheet no. <i>105-D-9/10</i>
	Type of report <i>Summary Report</i>	Submitted by <i>TOM GARRETT</i>
	Cls. work performed on <i>Rossbank 1, 15</i>	\$ fee for ren. application \$3800.00 <i>\$1000.00</i>



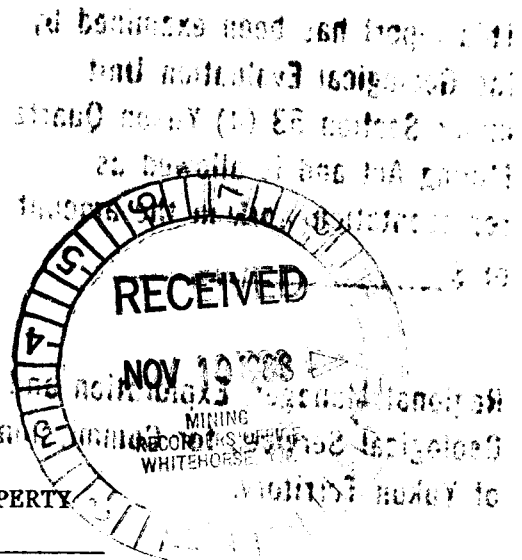
Signature *[Handwritten Signature]* 2 Fee

REPLY ACTION Date returned

Approved for amount required

092579

[Handwritten Signature]
Signature



SUMMARY REPORT ON THE ROSSBANK PROPERTY

- Location:**
- 1. Marsh Lake, Yukon Territory
 - 2. NTS 105 D/9, D/10
 - 3. Longitude 134°30' W
Latitude 60°34' N

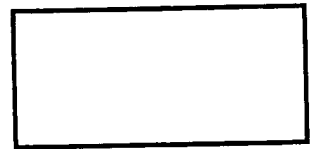
For:

**Bob Cofer and Ron Holway
Whitehorse, Yukon**

By:

**Tom Garagan, B.Sc., FGAC
R. A. Doherty, B.Sc.
R. Hulstein, B.Sc.
Aurum Geological Consultants Inc.
604-675 West Hastings Street
Vancouver, British Columbia
V6B 4W3**

DATE DUE



August 15, 1988

092579

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 \$ 1000.00 .

J. J. Bennett

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

112500

SUMMARY

The Rossbank property consists of 59 mineral claims, located at the north end of Marsh Lake, 35 km southeast of Whitehorse, Yukon Territory. The Alaska Highway passes through the center of the property and a number of trails and roads provide access to the main areas of interest.

The claims are underlain by Cache Creek Group mafic volcanics, sediments and serpentinite which are cut by a number of large 105° trending faults and associated riedel shears. Several zones of quartz-pyrite and Fe carbonate-mariposite alteration with quartz-sulphide veins are associated with the fault zones. Grab samples of fractured, altered and veined volcanics and sediments contain up to 3700 ppb gold and 3.69 opt silver.

Brief exploration has shown that the Rossbank property is geologically similar to the Atlin Terrane gold camp and the Motherlode District of California. The potential for locating similar deposits on the Rossbank claims is good. A two phase success contingent program consisting of surface exploration followed by diamond drilling is strongly recommended.

TABLE OF CONTENTS

	<u>Page</u>
SUMMARY	i
TABLE OF CONTENTS	ii
INTRODUCTION	1
LOCATION, ACCESS AND TOPOGRAPHY	1
PROPERTY	1
HISTORY	4
REGIONAL GEOLOGY	4
PROPERTY GEOLOGY AND MINERALIZATION	5
GEOCHEMISTRY	5
CONCLUSIONS AND RECOMMENDATIONS	5
REFERENCES	9

LIST OF FIGURES

Figure 1: Property Location Map	2
Figure 2: Claim Distribution	3
Figure 3: Geology - M'Clintock Zone	7
Figure 4: Geology - Creek Zone	8

LIST OF APPENDICES

Appendix A: Rock Sample Description Sheets and Analytical Results	10
--	----

INTRODUCTION

This report was prepared at the request of Mr. Bob Cofer and summarizes the geology of the Rossbank 1-46 and Donny 1, 3-14 claims near Marsh Lake, Yukon Territory. The geology, mineralization and geochemistry described herein is based on approximately three man days of mapping and sampling by Aurum Geological Consultants Inc.

LOCATION, ACCESS AND TOPOGRAPHY

The property is located at the north end of Marsh Lake, where the Yukon River drains Marsh Lake, approximately 35 km southeast of Whitehorse, Yukon Territory. The claims are located at latitude 60° 34 min North and longitude 134° 30 min West (figure 1).

The Alaska Highway right-of-way passes through the center of the property. A number of small trails and roads provide access to the main areas of interest.

Topography on the property varies from low swampy land along Marsh Lake and the M'Clintock River to a well rounded glacially scoured ridge of rock outcrop trending to the northwest, forming the height of land between the M'Clintock and Yukon River valleys. Elevations are 659 m at Marsh Lake to 1219 m at the highest point on the property. Much of the property has sparse vegetation consisting of spruce, pine and alders.

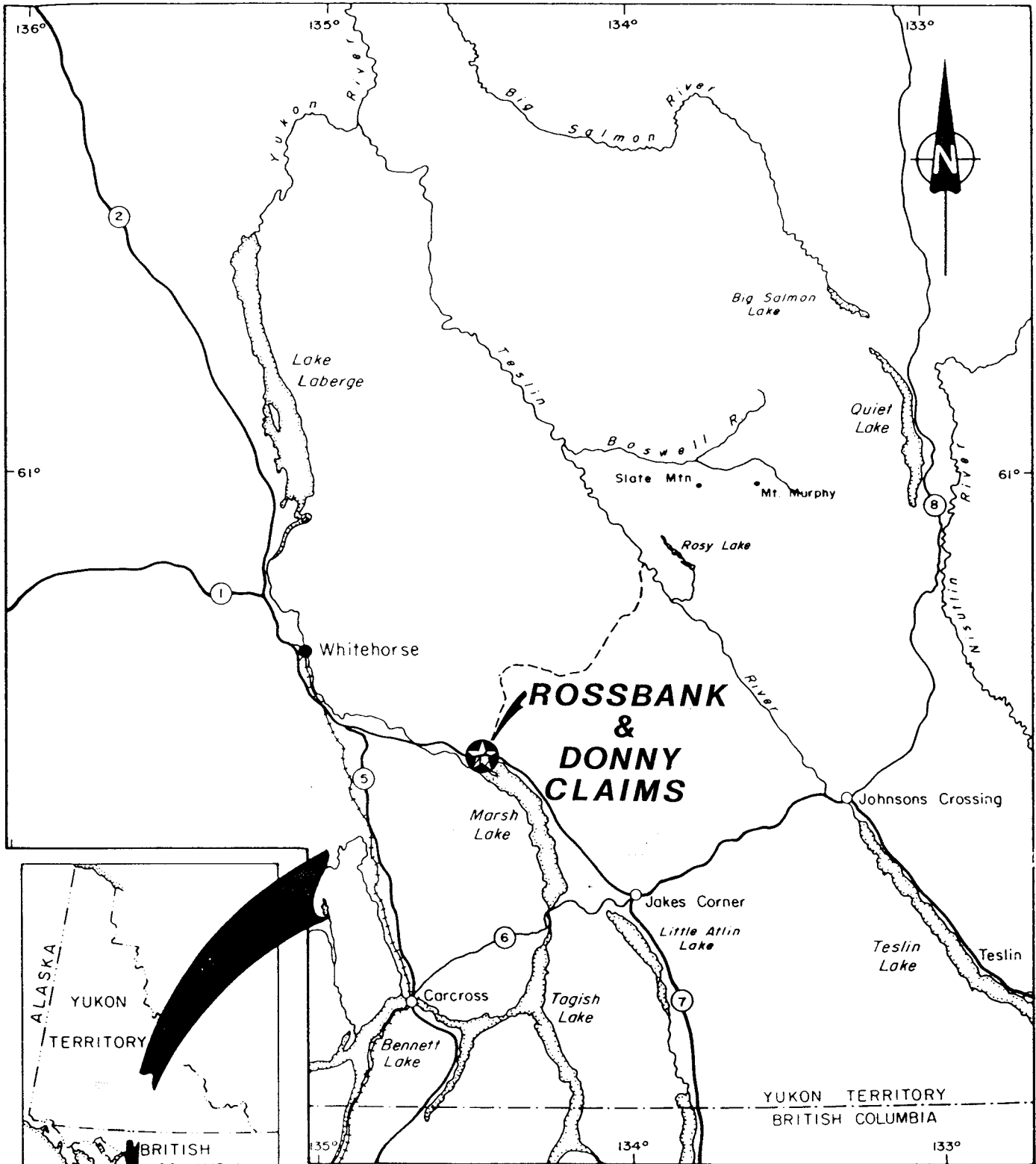
PROPERTY

The Rossbank claims consist of 59 contiguous unsurveyed quartz mineral claims located on 105 D/9 and D/10 map areas within the Whitehorse Mining District (figure 2).

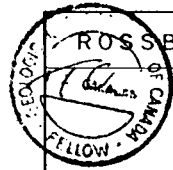
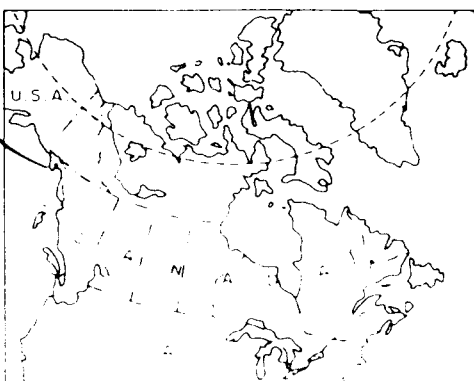
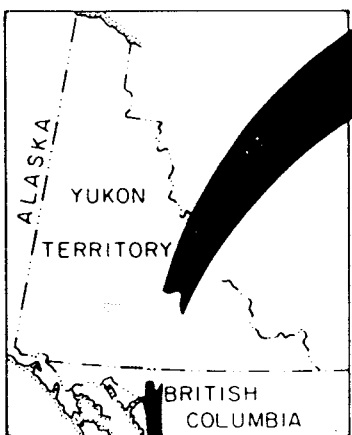
The claim records reviewed at the Whitehorse Mining Records office are as follows:

Claim Name	Grant Number	Expiry Date	Owner
Rossbank 1,2	YA86000-1	22 July 1990	B. Cofer
Rossbank 3-32	YA92696-725	22 July 1990	R. Holway
Rossbank 33-46*	YB13650-663*	13 June 1989	C. Cofer
Donny 1, 3-14*	YB20232*	13 June 1989	B. Cofer
	YB20234-245*		

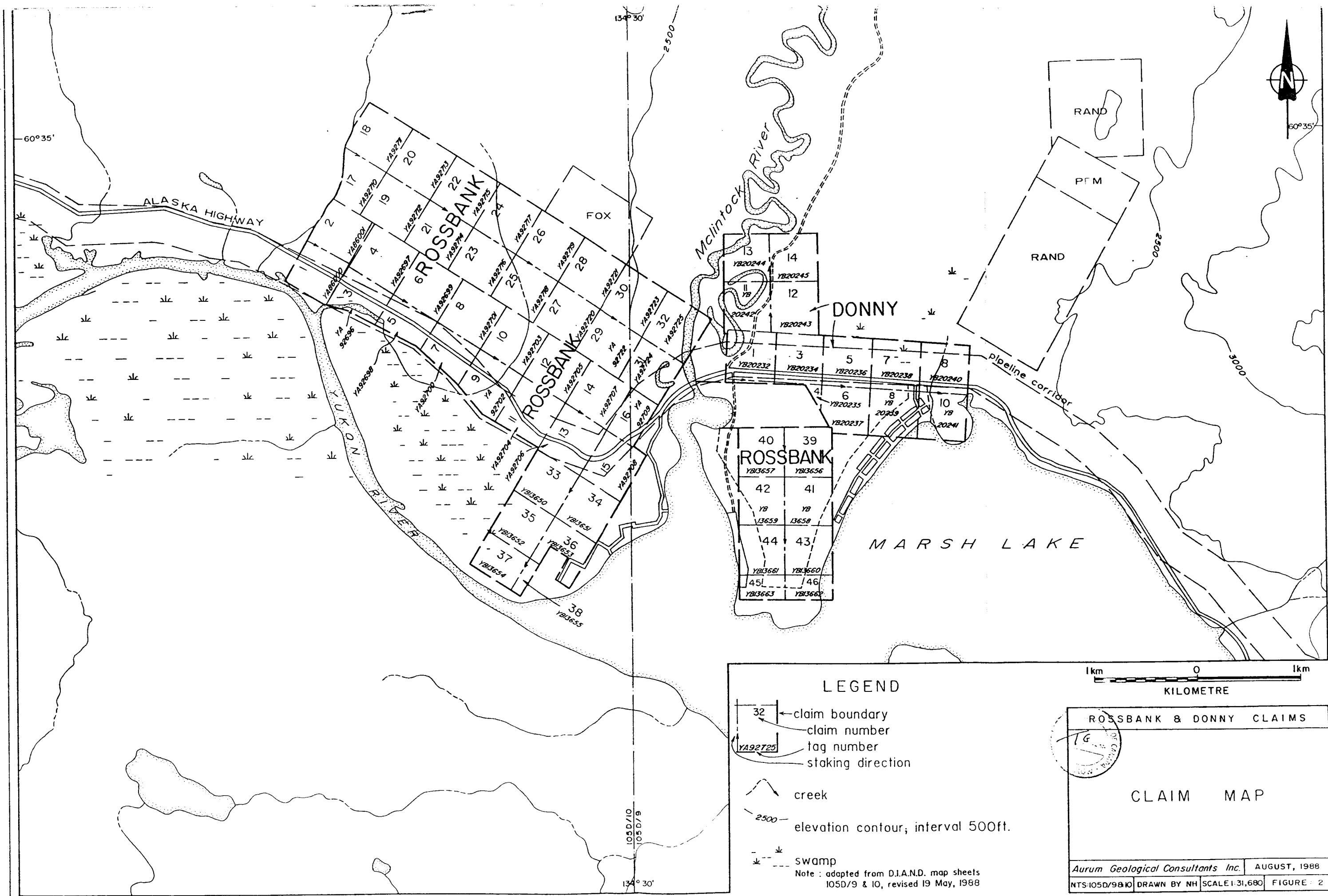
*not yet issued



ROSSBANK & DONNY CLAIMS



ROSSBANK & DONNY CLAIMS	
LOCATION	
Aurum Geological Consultants Inc	AUGUST, 1988
Drawn by NH	Scale 1:1,000,000
FIGURE 1	



LEGEND

- ← claim boundary
- claim number
- tag number
- staking direction
- creek
- 2500 — elevation contour, interval 500ft.
- swamp

Note : adapted from D.I.A.N.D. map sheets
105D/9 & 10, revised 19 May, 1988



ROSSBANK & DONNY CLAIMS			
CLAIM MAP			
Aurum Geological Consultants Inc.			AUGUST, 1988
NTS:105D/9&10	DRAWN BY NH	SCALE 1:31,680	FIGURE 2

According to Bob Cofer (pers. Comm), the claims are jointly held under a partnership agreement between Bob Cofer and Ron Holway. The partnership would like to option the claims with the optionee assuming a significant work commitment.

HISTORY

The Rossbank claims appear to have been first explored in the late 1800s. Several old pits and a 50 m adit have been located on the claims. The adit was uncovered in 1984 and no written records exist concerning these workings. A relation of Ron Holway's recalls two men from Atlin or Dease Lake coming down the river and digging several pits and three adits. This took place sometime in the later part of the 1800s. A tree growing in one of the pits, cut down by Bob Cofer, was at least 100 years old.

No further records of exploration on these showings is available until the Rossbank claims were staked in 1984. Since the claims were staked, several cat trenches, backhoe trenches and hand dug pits have been excavated and additional claims have been added to the original Rossbank 1 and 2 claims.

REGIONAL GEOLOGY

The Rossbank property is situated approximately 30 km northwest of the Atlin Terrane, within the Whitehorse Trough of the Intermontaine Belt.

The Whitehorse Trough is underlain by Carboniferous to Lower Jurassic submarine volcanics and sediments. The lowermost units within the trough consist of oceanic mafic volcanics and siliceous sediments comprising the Cache Creek Group. Ultramafic intrusions are associated with the volcanics. The Cache Creek Group is overlain by limestone and mafic volcanics of the Lewes River Group. Laberge Group greywackes, arkoses and conglomerates overlay the Lewes River Group.

The volcanics and sediments underlying the Rossbank claims have been mapped by Wheeler (1961) as volcanics of uncertain age, but they are similar to those within the Cache Creek Group near Atlin. Motherlode style gold veins are presently being explored by Homestake (ex. Yellowjacket, Schroeter, 1986) in the Atlin area.

PROPERTY GEOLOGY AND MINERALIZATION

The Rossbank claims cover an area of well rounded and glacially scoured mafic volcanics comprising tuffs, flows and sediments which are probably part of the Cache Creek Group volcanics. Some serpentinite is found near the road.

A number of strong 105° trending fault zones have been located and traced along strike for distances of up to 1 km. Riedel shears trending 140° are commonly found off the main faults. These faults juxtapose a suite of varied lithologies including Cache Creek Group volcanics, shales and serpentinite bodies. These lithologies have been altered to an assemblage of talc-ankerite chlorite in the serpentinites and are cut by later veins of quartz-calcite-mariposite. Pods and veins located primarily on the riedel shears consist of quartz-ankerite-barite with galena, sphalerite and pyrite mineralization. The mafic volcanics surrounding the vein zones have a broad alteration halo of pyrite, quartz and Fe carbonate. The mineralization has been located in two areas within the property (figures 3 and 4).

GEOCHEMISTRY

A complete list of samples and geochemical analyses is presented in Appendix A and the sample locations are shown in figures 3 and 4. A total of 22 rock samples and 1 heavy mineral concentrate sample have been collected in two areas on the Rossbank property. Samples are anomalous in gold, silver, arsenic, copper, lead, antimony, zinc, barium and mercury.

Gold occurs in the 1000 to 3000 ppb (up to 3700 ppb gold) range in the sulphide veins and in sheared and pyritized mafic volcanics and sediments. Silver values are up to 3.69 opt within quartz veins.

CONCLUSIONS AND RECOMMENDATIONS

Brief exploration has shown that the Rossbank property is geologically similar to the Atlin Terrane and Motherlode District of California, both areas known to host vein style (sometimes large tonnage) gold mineralization.

Grab samples of fractured, altered and veined volcanics and sediments on the property returned up to 3700 ppb gold and 3.69 opt silver. The

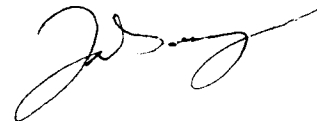
property has excellent potential for locating a motherlode style deposit and further exploration is warranted.

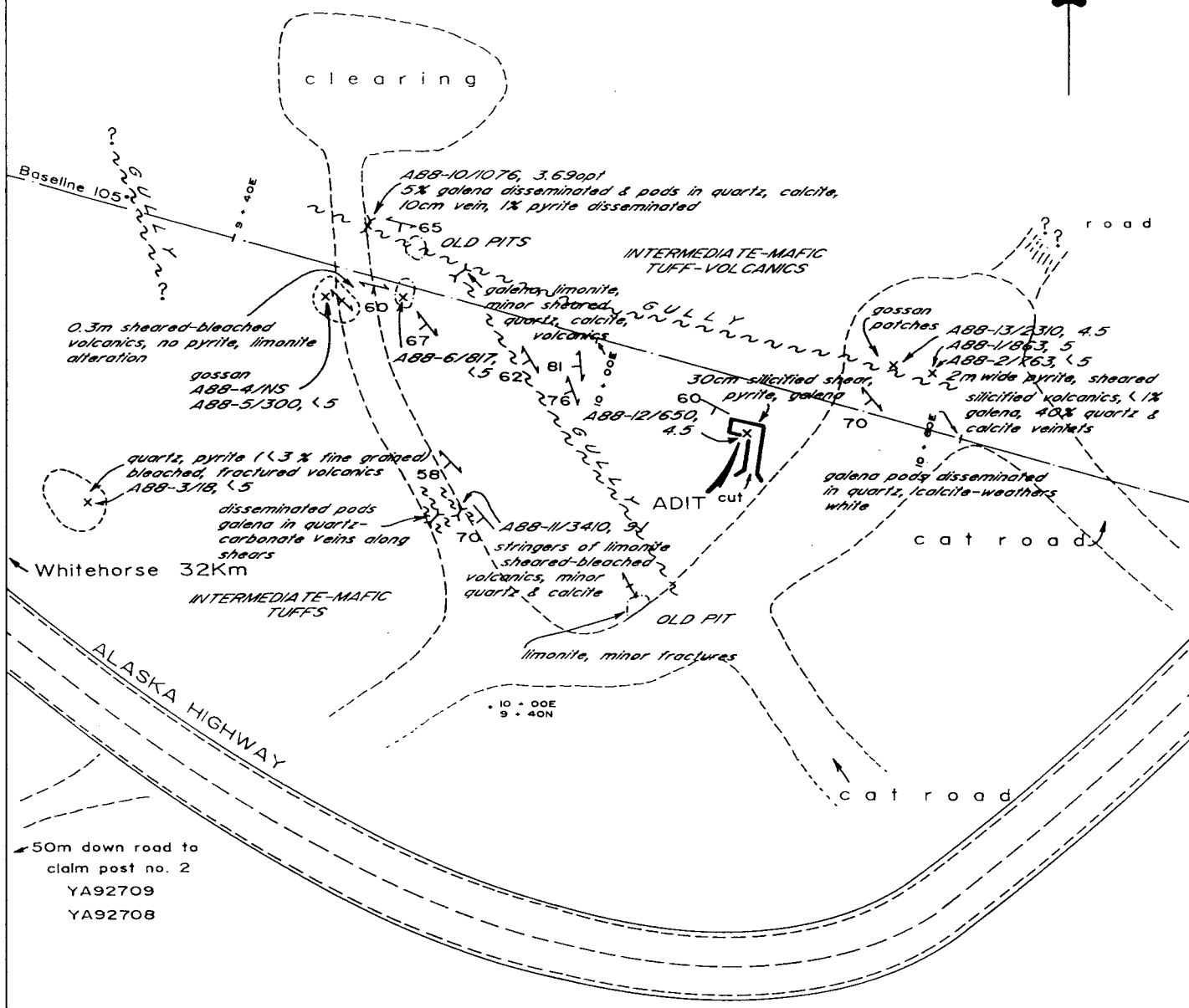
Exploration should consist of geological mapping, soil grid geochemical sampling, further rock sampling, cat trenching and a VLF and magnetometer survey. Surface work on this property can be carried out to early November and diamond drilling can be carried out year round.

Respectfully submitted by,

Aurum Geological Consultants Inc.

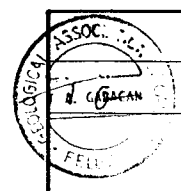
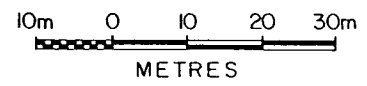
Tom Garagan, B.Sc., FGAC
R. A. Doherty, B.Sc.
R. Hulstein, B.Sc.





LEGEND

sample number
x ABB-11/3410, 91 → Au ppb, Ag ppm
sample location



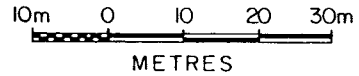
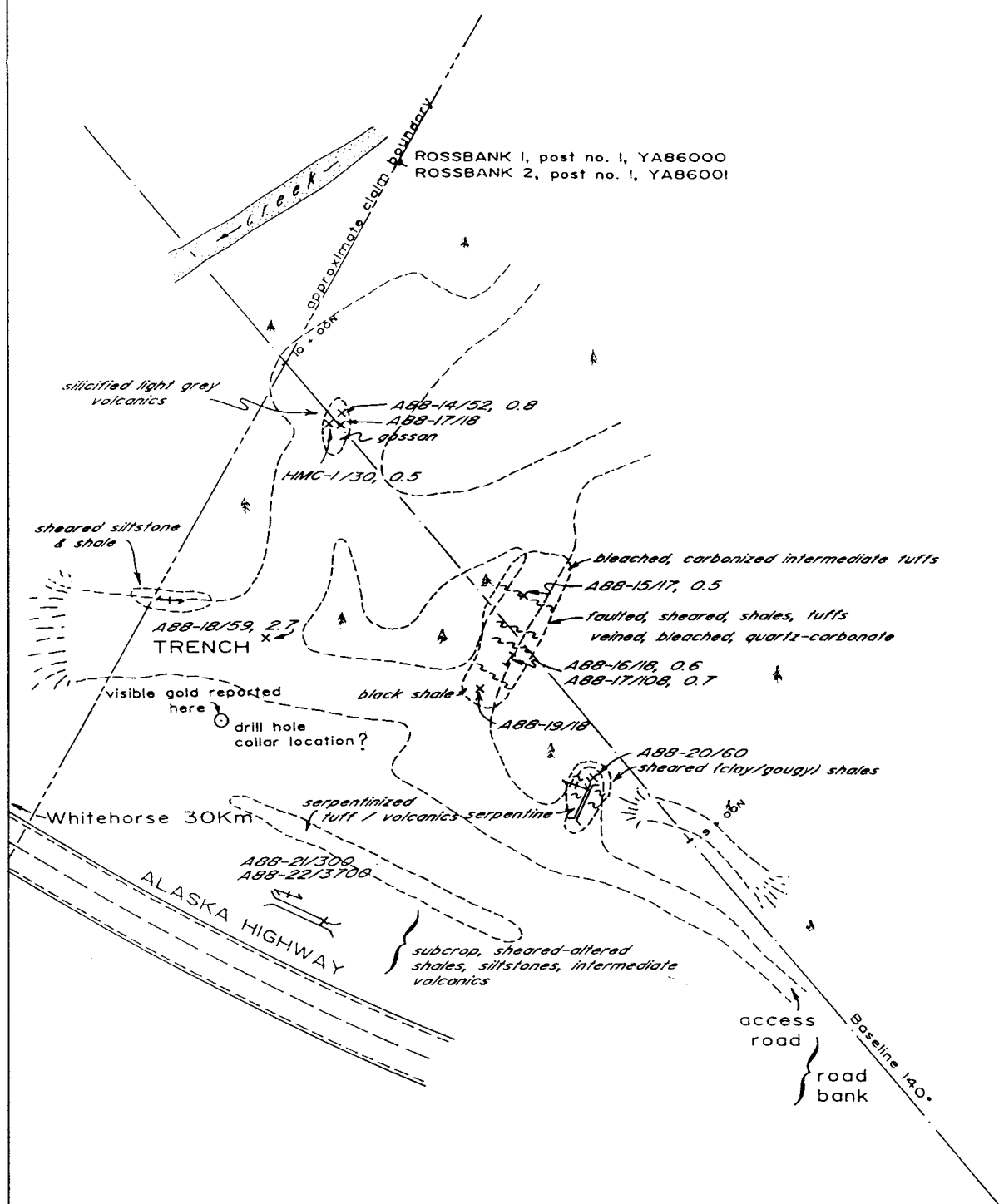
ROSSBANK	CLAIMS
MCCLINTOCK	ZONE

GEOLOGY MAP

Aurum Geological Consultants Inc.		AUGUST, 1988	
NTS 105D/10	DRAWN BY RWH / NH	SCALE 1:1,000	FIGURE : 3



ROSSBANK 1, post no. 1, YA86000
 ROSSBANK 2, post no. 1, YA86001



LEGEND

sample number
 x ABB-17/10B, 0.7 — Au ppb, Ag ppm
 sample location

ROSSBANK CLAIMS	
CREEK ZONE	
GEOLOGY MAP	
Aurum Geological Consultants Inc. AUGUST, 1988	
NTS 105D/10	DRAWN BY RWH / NH
SCALE 1:1,000	FIGURE : 4

REFERENCES

- Schroeter, T. 1986, Northwestern District in British Mineral Exploration Review 1985. BCEMPR 1986.1.
- Wheeler, J.O. 1961, Whitehorse Map Area, Yukon Territory, 105D. G.S.C. Memoir 312.

APPENDIX A

Rock Sample Description
and
Analytical Results

AURUM GEOLOGICAL CONSULTANTS INC.

Date: August 1988 Property: Rossbank

ROCK SAMPLE LOCATION AND DESCRIPTION

NTS 105 D/9, D/10 Samplers: TG, RH, RAD

SAMPLE #	LOCATION	DESCRIPTION	ATTITUDE WIDTH		ANALYTICAL RESULTS				
					AU ppb	AG ppm	AS ppm	BA ppm	SB ppm
888-1	CLEARING NEAR ROAD ON BASELINE 1+50E	GN, PY VEINING IN BANDED QTZ, ANKERITE AND BARITE, WITH NGN, PY, SPH.	GRAB	GRAB	863	5	167	270	25.2
888-2	WITHIN 10M OF 888-1	SIMILAR TO 888-1 BUT NO SULPHIDES	GRAB	GRAB	738	5	179	300	22.9
888-3	50-70 M E OF 10+00E /9+40N	GREEN ALTERED ANDESITE WITH DISS. PY AND CARBONATE ALTERATION	GRAB	GRAB	18	5	26	2200	1.5
888-4	ON ROAD CUT *9+60E	SOIL SAMPLE COLLECTED BUT NOT ASSAYED							
888-5	AS 888-4	SHEARED ALTERED TUFF STRONGLY LIMONITIZED	GRAB	GRAB	300	5	299	3300	20.9
888-6	IN PIT ON B.L. 9+70E	SHEARED ALTERED TUFFS LIMONITE STAINED	135/75W	1.5M	817	5	242	2900	17.0
888-9	RB #1 CLAIM CREEK ZONE	SHEARED AND SILICIFIED FAULT BRECCIATED SHALES?	GRAB	GRAB	10	5	1320	120	131.0
888-10	*MCLINTOCK 9+60E 0+10N	GN, PY VEIN, <10 CM WIDE WITH 20 CM TUFF WALL ROCK	100/65S	0.3M	1076	3.69 opt	552	10.62% PB ppm	394.0
888-11	9+85E 9+70N	SHEARED, BLEACHED LIMONITIC TUFF, MINOR QTZ-CA VEINING	130/70	0.4M	3410	9.1	236	2087	36.0
888-12	OLD ADIT 9+90N 10+30E	SILICIFIED PYRITIC SHEAR ZONE <15% DISS. FINE GRAINED PY. MINOR CA VEINLETS, SWELLS TO 50 CM LOCALLY.	115/60	0.3M	650	4.5	1976	1455	35.0
888-13	10+50E 10+05N	SILICIFIED LIMONITIZED SHEAR ZONE <20% PY, TRACE GN.	105/65S	GRAB	2310	4.5	501	557	12.0
888-14	CREEK ZONE B.L. 9-90N	SILICIFIED AND CARBONITIZED LIGHT GREY-BLEACHED VOLCANIC-ULTRAMAFIC SITE OF PANNED V.G.		GRAB	52	0.8	348	198	61.0
888-15	9+40N 10+05E	GREY CARBONITIZED ULTRAMAFIC TRACE P.Gr, PY, MINOR QTZ STRINGERS		GRAB	17	0.5	1258	68	112.0
888-16	9+45N	SHEARED FAULT ZONE WITH GOUGE	130/90	1.8M	18	0.6	340	21	77.0

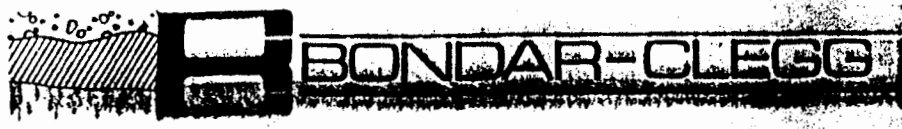
AURUM GEOLOGICAL CONSULTANTS INC.

Date: August 1989 Property: Rossbank

ROCK SAMPLE LOCATION AND DESCRIPTION

NTS 105 D/9, D/10 Samplers: TG, RH, RAD

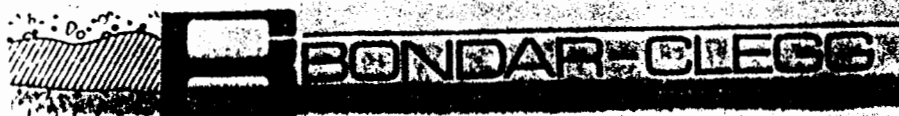
SAMPLE #	LOCATION	DESCRIPTION	ATTITUDE	WIDTH	ANALYTICAL RESULTS				
					AU ppb	AG ppm	AS ppm	BA ppm	SB ppm
	9+95E	QTZ-SID-ANK VEINED AND REPLACED. QTZ CHALCEDONY VEINED SHALE							
A88-17	B.L. 9+90N	SIMILAR TO A88-14		GRAB	18				8.0
A88-17	9+45N 9+95E	GREY BLACK CLAY GOUGE (25%) SHALE 50%. SAME LOCATION AS A88-16 BUT HIGH GRADED CLAY GOUGE	130/90	GRAB	18				
A88-18	9+70N 9+70E	FLOAT OF DENSE PARTIALLY SILICIFIED GREY-BLACK SHALE. <1% DISS PY AND PY ON FRACTURES		FLOAT GRAB	46				375.0
A88-18A									
A88-19	9+40N 9+90E	RUSTY TO BLACK SHALE MINOR PY AND CALCITE, CLAY (.5%)	115/90	GRAB	18				48.0
A88-20	9+20N 9+93E	AT HEAD OF BACKHOE TRENCH (EAST END) SHALE CLAY GOUGE (25%), CARB-QTZ-SHALE BX. (50%)	110/70E	0.5M	60				200.0
A88-21	9+50N 9+47E	BACKHOE TRENCH IN ALASKA HIGHWAY DITCH BLEACHED PYRITIZED SHALE		GRAB	27				20.0
A88-22	9+50N 9+47E	RUSTY SHALE WITH GOUGE. 20% CRUSHED CALCITE VEINS. 25% GOUGE		GRAB	3700				25.0
HMC-1	B.L. 9+90N	HEAVY MINERAL PAN CONCENTRATE			30	0.5	401	12	132.0



PROJECT: 200-03279.0		PROJECT: AURUM											PAGE 1A	
ANALY	ELEMENT	AS	AC	AG	BA	BR	CD	CE	CO	CR	CS	EU	FF	
NO	UNITS	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
1	APP-1	863	5	167	270	<5	31	<10	<10	<50	<1	<2	4.4	
2	APP-2	738	<5	179	300	<5	<10	<10	<10	<50	<1	<2	2.7	
3	APP-3	18	<5	28	2200	<5	<10	36	40	88	3	<2	6.9	
4	APP-5	309	<5	299	3300	<5	<10	39	37	100	8	<2	7.1	
5	APP-6	817	<5	242	2900	<5	<10	36	23	64	8	<2	6.4	
6	APP-7	10	<5	1320	120	<5	<10	<10	95	1700	2	<2	4.3	

PROJECT: 200-03279.0		PROJECT: AURUM											PAGE 1B	
ANALY	ELEMENT	IR	LA	LU	HD	HA	NI	RR	SR	SD	SE	SM		
NO	UNITS	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM		
1	APP-1	<2	<100	9	<0.5	21	0.06	<50	19	25.2	3.9	<10	1.9	
2	APP-2	<2	<100	9	<0.5	18	<0.05	<50	18	22.9	7.8	<10	2.5	
3	APP-3	2	<100	22	<0.5	99	2.70	<50	81	1.5	25.0	<10	5.0	
4	APP-5	2	<100	24	<0.5	60	0.16	<50	200	20.9	27.0	<10	4.9	
5	APP-6	2	<100	22	<0.5	14	0.26	<50	200	17.0	25.0	<10	4.1	
6	APP-7	<2	<100	<5	<0.5	<2	0.14	600	18	131.0	6.6	<10	<0.5	

PROJECT: 200-03279.0		PROJECT: AURUM										PAGE 1C	
ANALY	ELEMENT	SH	TA	TR	TE	TH	U	W	YB	ZN	ZR		
NO	UNITS	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM		
1	APP-1	<200	<1	<1	<20	0.7	<0.5	3	<5	3600	2500		
2	APP-2	<200	<1	<1	<20	0.9	0.6	8	<5	360	<500		
3	APP-3	<200	<1	<1	<20	6.3	4.5	5	<5	210	<500		
4	APP-5	<200	<1	<1	<20	7.2	2.6	13	<5	1200	<500		
5	APP-6	<200	<1	<1	<20	6.6	3.2	13	<5	310	<500		
6	APP-7	<200	<1	<1	<42	<0.5	<0.5	<2	<5	<200	<500		



REPORT: V08 04644.0

PROJECT: 4100

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	As PPM	Cu PPM	Mo PPM	Pb PPM	Sb PPM	Zn PPM	Hg PPB
P2 A88-10		1076	>50.0	552	1150	12	>10000	394	1791	>5000
P2 A88-11		3410	9.1	236	121	31	2087	36	626	2300
P2 A88-12		650	4.5	1976	93	7	1455	35	714	1700
P2 A88-13		2310	4.5	501	114	37	557	12	1049	2250
R2 A88-14		52	0.8	548	25	1	198	81	39	1000
P2 A88-15		17	0.5	1258	18	1	88	112	13	540
P2 A88-16		18	0.6	340	28	<1	21	77	21	3300
P2 A88-17		108	0.7	420	53	3	21	41	101	1250
C2 INC-1		30	0.5	401	27	1	12	132	29	>5000

REPORT: V88-04657.0

SAMPLE NUMBER	ELEMENT UNITS	Au 10g PPM	Sb PPM	Hg PPM
R2 A88-17		18	8	25
R2 A88-18		48	24	375
R2 A88-19		13	48	450
R2 A88-20		60	2000	3050
R2 A88-21		27	20	280
R2 A88-22		3700	25	170

← ? on SL 9+90N check zone

— INS DETECT

— INS DETECT



REPORT: V88-04694.0

PROJECT: 1201,4100,2500

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	AG PPM
------------------	------------------	-----------	-----------

R2 4100-A38-18

59

2.7



AURUM GEOLOGICAL CONSULTANTS INC.

604 - 675 West Hastings Street, Vancouver, B.C., Canada V6B 1N2 Telephone (604) 683-9656

INVOICE

No. 88139

September 9, 1988

In account with: **Mr. Bob Cofer & Mr. Ron Holway**
P.O. Box 4396
Whitehorse, Yukon
Y1A 3T5

Re: Ross banks report.

To:

Professional Services

Al Doherty, B.Sc. 1 day @ \$300.00/day:	\$ 300.00
Roger Hulstein, B.Sc. 1 day @ \$300.00/day:	300.00
Tom Garagan, B.Sc., FGAC 1 day @ \$300.00/day:	300.00
Todd Giesbrecht, Field Assistant. 3/4 day @ \$160.00/day:	120.00
Blayne Hunter, B.Sc. 3/4 day @ \$210.00/day:	157.50
Total Labour Costs: \$ 1,177.50	

Truck Rental

Aurum 4 by 4 truck 2 days @ \$65.00/day:	130.00
---	--------

Expenses

Analytical costs:	482.25
Claim maps:	2.00
Drafting; 11 hrs @ \$20.00/hr:	220.00
Photocopies:	31.18
Report covers; 5 sets @ \$5.00/set:	25.00
Binding costs:	8.75
Word processing services:	77.00
Total Expenses: \$ 846.18	
Accounting charge @ 10%:	84.62

Total Invoice

\$ 2,238.30

THIS IS A PROFESSIONAL SERVICE — ACCOUNTS DUE WHEN RENDERED
2% per month will be charged after 30 days.