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**ASSESSMENT REPORT**

**for the**

**EXPLORATION WORK**

**on the**

**DM 11-12  
QUARTZ MINING  
CLAIMS  
(YC18200-YC18201)**

**WHITEHORSE,  
YUKON TERRITORY**

**NTS 105 D/11  
ZONE 8  
LATITUDE 60-44 N  
LONGITUDE 135-10W**

**between**

**SEPTEMBER, 2004  
SEPTEMBER, 2005**

**WHITEHORSE MINING DISTRICT  
YUKON TERRITORY**

**by**

**JOSEPH A. J. CLARKE**

**for**

**SID McKEOWN  
WHITEHORSE, YUKON  
APRIL, 2006**



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## **INTRODUCTION**

This report describes the exploration work carried out on the DM 11-12 claims, located in the City of Whitehorse, Yukon, between September, 2004 and September, 2005. The claims cover an area of Upper Triassic Lewes River Group limestone, sandstone, and siltstone intruded by mid-Cretaceous quartz monzonite and granodiorite. Rock assays returned results as high as 18% Cu and 1827 ppb Au. Mineralization is typical of silicate and Fe-rich skarns of the Whitehorse Copper Belt but may include bulk tonnage, low grade Au mineralization. The work consisted of two days of prospecting. The total value of exploration expenditures for 2005 is \$400.00.

## **LOCATION, AND ACCESS**

The DM 11-12 claims are located in the City of Whitehorse, Yukon Territory, east of the Alaska Highway at the crossing of McIntyre Creek. The Fish Lake Road crosses NE-SW along the center of the claim group. The historic Copper King Mine is located 0.5 km east of the claims. Access is possible by car or truck to most areas of the claims.

## **TOPOGRAPHY, CLIMATE**

The DM 11-12 claims occupy a 1km wide valley of Porter and McIntyre Creeks. The elevation of the valley floor is 2500 feet. The north side of the valley rises steeply from the valley floor to an elevation of 3500 feet. Outcrop exposure is approximately 25%.

The climate of the area varies from a high of +30C in the summer to lows of -40C during the winter. Typical are long hot summers (May to September) with up to 18 hours of daylight and moderate to harsh winters (October to April) with less than 7 hours of daylight.

Black spruce is the most common tree species in the area. These favor the NE side of valleys and are a common indicator of local permafrost. More exposed areas have a mixture of white and black spruce with occasional pine. In the most exposed areas aspen colonies are well established. Willows are abundant in the valleys and low areas.

## **EXPLORATION HISTORY**

Copper mineralization was reported in the Whitehorse area by miners traveling to the Klondike in 1897. Mr. Jack McIntyre staked the Copper King claim in 1898. Ore was first shipped from the Copper King in 1900. Prospecting in the area generated many mines including the; Arctic Chief, the Pueblo Mine, the Little Chief, War Eagle and others. Mining, milling, the shipping of copper ore continued till the 1980's. Total production from 1898 to 1982 was 10,130,000 tonnes grading 1.5% Cu.

## **REGIONAL GEOLOGY**

The Whitehorse Copper Belt is located in the Whitehorse Trough a subdivision of the Intermontane Belt. The Whitehorse Trough is a NW trending Island Arc Complex containing clastic and carbonate rocks ranging from upper Paleozoic to Jurassic. Rocks of the Triassic Lewes River Group and lower Jurassic Laberge group are found in the Whitehorse Copper Belt. A Cretaceous quartz monzonite to granodiorite batholith intrudes to the west resulting in the significant copper skarn mineralization of the Whitehorse Copper Belt.

## **PROPERTY GEOLOGY AND EXPLORATION**

Two days of prospecting was conducted on both the DM 11 and 12 claims. Traverses were conducted perpendicular to the claim line and mostly to the southeast. Rocks of three units are exposed on the property (see fig 3). Evidence of skarn mineralization was common. Several hand samples were collected and for cutting on a diamond saw.

## **CONCLUSIONS and RECOMMENDATIONS**

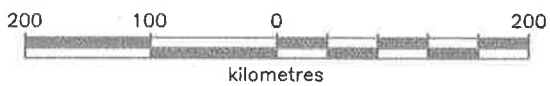
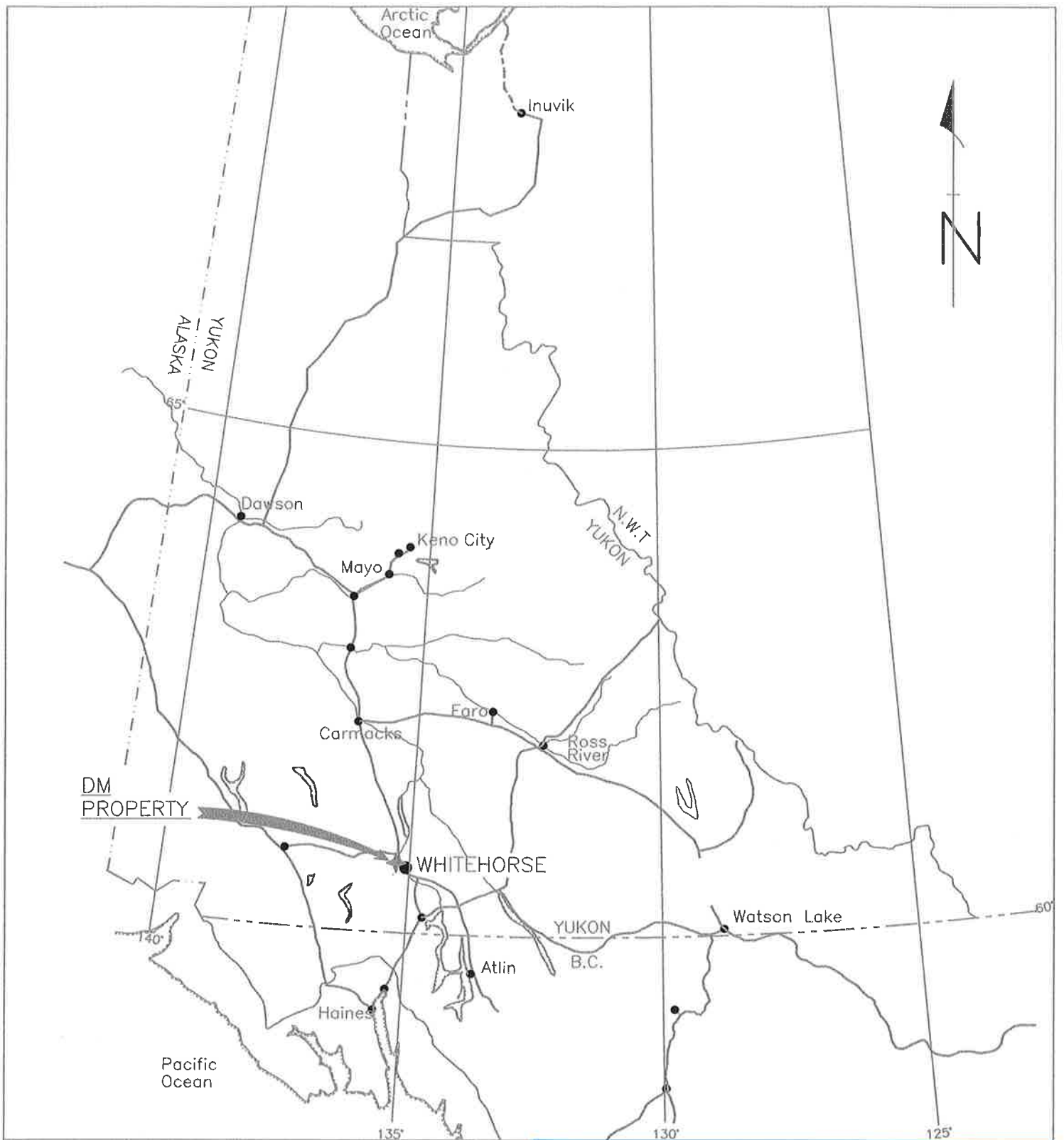
Assays to date take from the DM claims have shown that significant copper and gold mineralization occurs. This mineralization may occur as a skarn or low-grade bulk tonnage deposit type. Future work must focus on exposing mineralization along the limestone/granite contact. The following program is recommended;

### **Phase One**

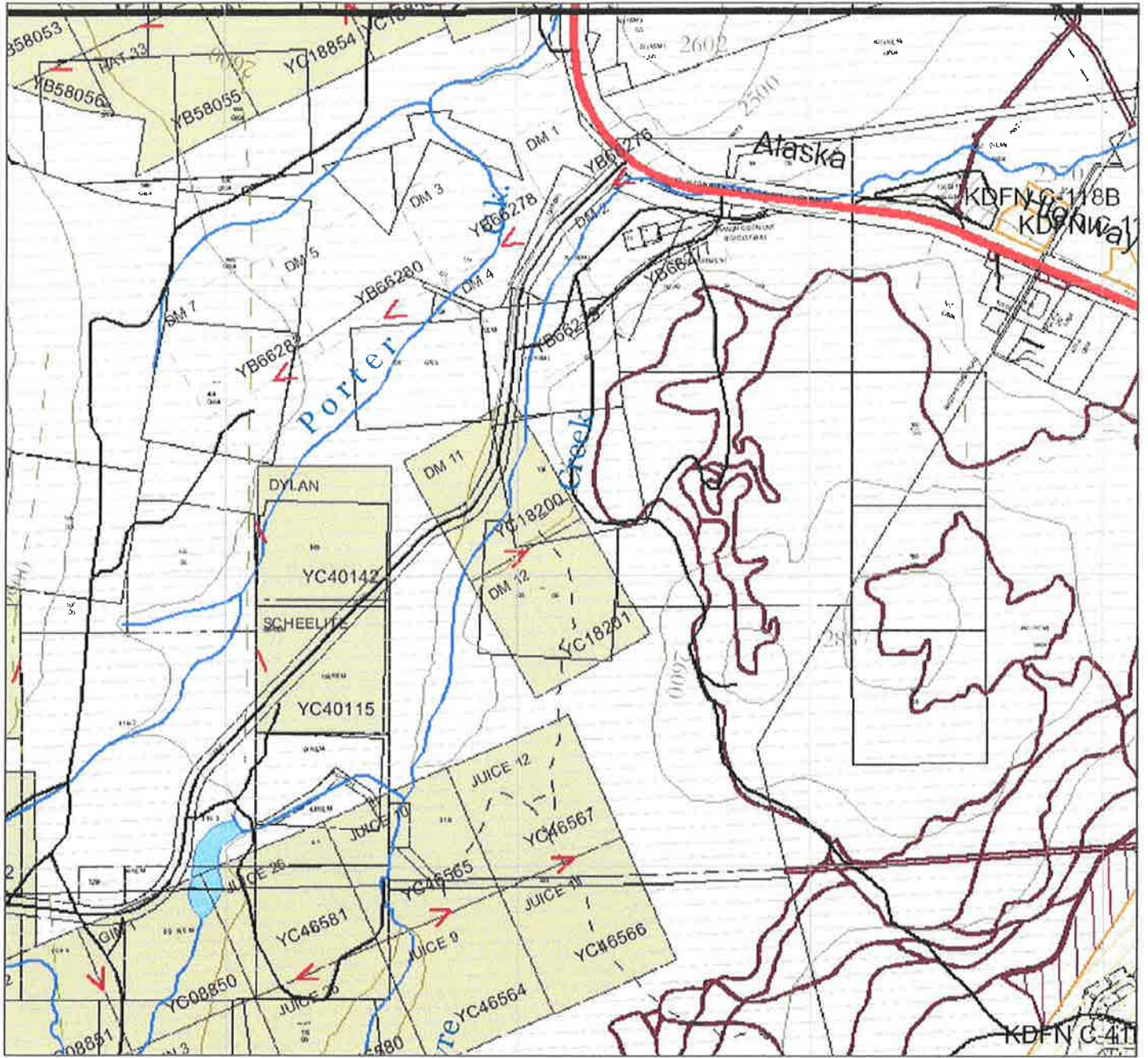
- A baseline should be cut and picketed parallel to the claim line with cross lines cut at 50 m intervals extending to the edge of the claim group.
- A mag/vlf survey should be performed at 12.5 m intervals.
- Geological mapping should be conducted over the entire property.
- Mechanical and blast trenching should be done over areas with significant or potential mineralization.
- The above data should be compiled along with historic work and potential drill targets determined.

**Estimate cost of work; \$5000**

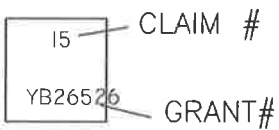
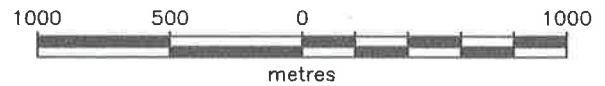
## **APPENDIX I**



<b>SIDROCK EXPLORATIONS</b>	
<b>DM 11-12</b>	
WHITEHORSE MINING DISTRICT, YUKON TERRITORY	
<b>LOCATION MAP</b>	
<i>Aurum Geological Consultants Inc.</i>	Date: MARCH, 2006
NTS: 105 D/11	Drawn: JC
Scale: 1:600000	Figure: 1

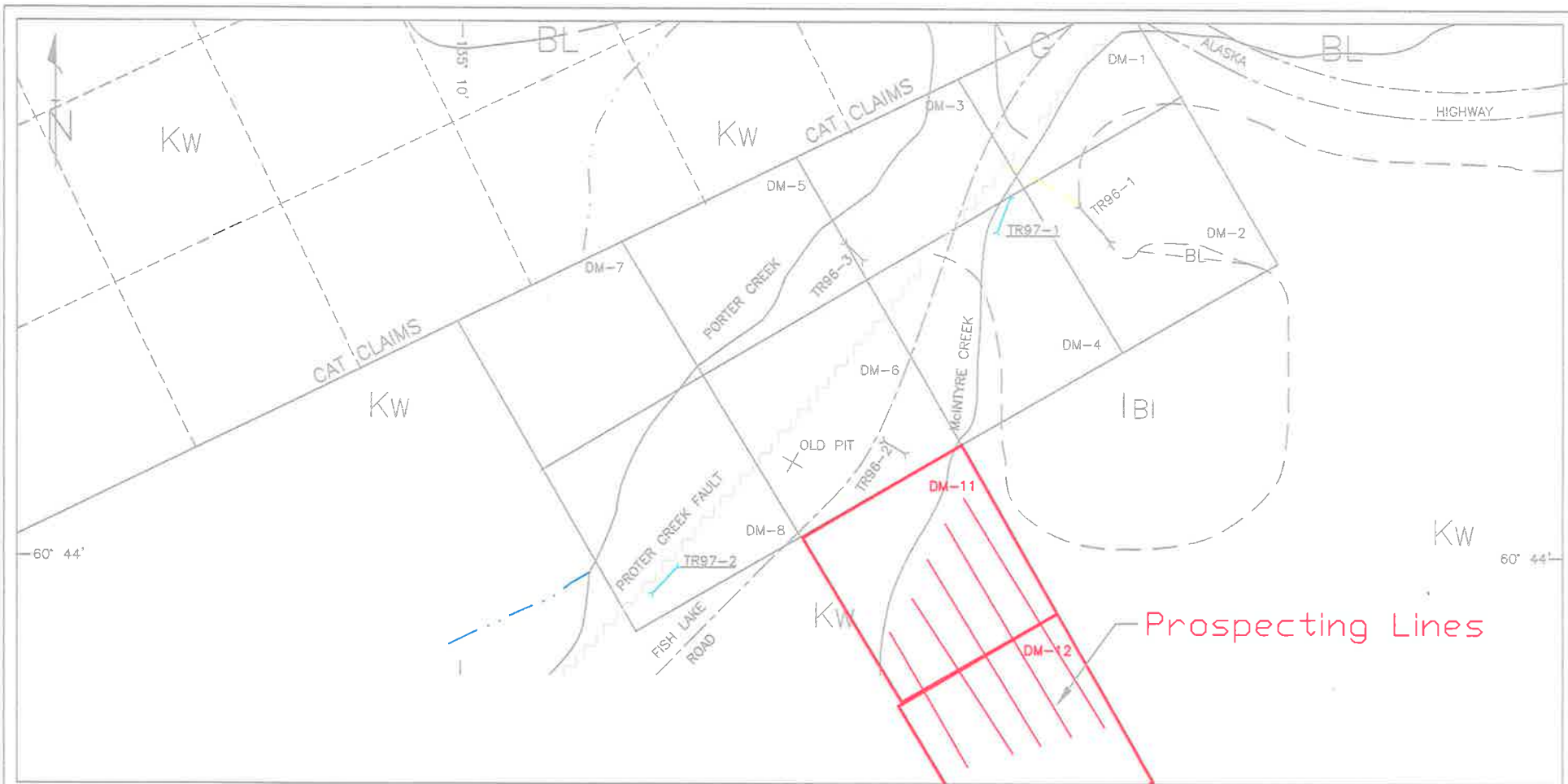


Legend



<b>SIDROCK EXPLORATIONS</b>	
<b>DM 11-12</b>	
WHITEHORSE MINING DISTRICT, YUKON TERRITORY	
<b>CLAIM MAP</b>	
Avrum Geological Consultants Inc.	Date: APRIL, 2006
NTS: 10S D/11	Drawn: JC
Scale: 1:30000	Figure:





**LEGEND**

LITHOLOGIES

MID-CRETACEOUS

Kw WHITEHORSE BATHOLITH: BIOTITE-HORNBLEND QUARTZ MONZONITE TO GRANODIORITE.

UPPER-TRIASSIC

LEWES RIVER GROUP

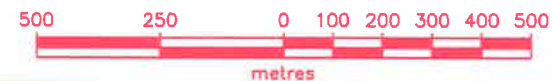
lBl INTERBEDDED UNIT: LIMESTONE SUB-FACIES.

CL GREY LIMESTONE: FOSSILIFEROUS, LIGHT GREY WEATHERING

BL PYRITIC SANDSTONE AND SILTSTONE: RUSTY WEATHERING, 2-5% PYRITE, CONTAINS LENSES OF GRIT AND TUFF.

SYMBOLS

- CLAIM BOUNDARY
- CLAIM LINE
- CLAIM LINE - OTHERS
- CREEK
- ROAD
- FAULT
- GEOLOGICAL CONTACT
- 1997 TRENCH
- 1997 ROCK GRAB SAMPLES ASSAYS AS SHOWN



BIENOCK EXPLORATION  
DM 11-12  
WHITEHORSE MINING DISTRICT, YUKON TERRITORY

GEOLOGICAL COMPILATION

Aurum Geological Consultants Inc.	Date: MARCH, 2006
NTS: 105 D/11	Drawn: JC
Scale: 1:15000	Figure: 3

GEOLOGY AFTER WATSON, 1984

**APPENDIX III**

**STATEMENT OF EXPENDITURES**

**Prospecting and Sampling  
Summer 1995**

Prospecting	2 days@ \$200/day	\$400.00
<b>TOTAL COST</b>		<b><u>\$400.00</u></b>

## APPENDIX IV

### STATEMENT OF QUALIFICATIONS

I, Joseph A. J. Clarke, of Marsh Lake Yukon Territory with mailing address of General Delivery, Whitehorse, Yukon hereby certify:

I am writing this report at the request of Mr. Sid McKeown of Whitehorse, Yukon and have no direct or indirect interest in the DM 11-12 claims;

That I have graduated from the Haileybury School of Mines in 1985 with a diploma in Mining Engineering Technology;

That I have been engaged in prospecting in the Yukon on a full time basis since May of 1993 and have been engaged in prospecting and in the mineral industry for 20 years elsewhere in Canada;

That I have a commitment to prospect in a gentlemanly manner with respect for others who use the land.

Signed at Whitehorse, Yukon Territory on the 21 day of April, 2006.



Joseph A. J. Clarke

## APPENDIX V

### ACKNOWLEDGMENTS

The Whitehorse Copper Belt: Mining, Exploration, and Geology (1967-1980)  
by D. Tenny  
DIAND Bulletin 1

The Whitehorse Copper Belt - A Compilation  
Exploration and Geological Services Division-Yukon,  
Indian and Northern Affairs, Canada,  
Open File, 1;25000 scale map with marginal notes

Yukon Territory  
Selected Field Reports of the GSC 1898 to 1933  
Compiled and Annotated by H.S. Bostock  
GSC Memoir 284

Thanks also to conversations with the staff of Aurum Geological Consultants Inc., Amerok Geophysics, the staff of the Whitehorse MDA office, and many local prospectors.

**SIDROCK**

Attention: Sid Mckeown

Project:

Sample:

**Assayers Canada**

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 6V0332 RJ

Date : Mar-22-06

**MULTI-ELEMENT ICP ANALYSIS**

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
Black Wolverine Flo	<0.2	1.22	<5	373	<0.5	<5	0.50	<1	8	173	70	1.56	<1	0.36	<10	0.46	152	13	0.07	38	278	7	0.68	<5	4	118	<5	0.04	<10	<10	74	<10	110	10
White Wolverine Flo	>200.0	<0.01	>10000	<10	<0.5	<5	<0.01	<1	<1	99	<1	14.83	<1	<0.01	<10	<0.01	11	<2	0.01	<1	95	>10000	>5.00	346	<1	31	<5	<0.01	32	20	7	<10	234	10
Hole 1 #15	29.9	<0.01	271	18	<0.5	11	1.61	21	5	129	<1	0.55	20	<0.01	<10	0.15	>10000	<2	0.01	37	<10	500	0.03	<5	<1	82	19	<0.01	48	489	<1	12	1355	<1
Hole 1 #30	68.6	<0.01	266	<10	<0.5	29	1.61	3	12	222	<1	0.58	37	0.01	<10	0.47	>10000	<2	0.01	68	116	235	0.06	<5	<1	77	41	<0.01	82	999	<1	57	57	<1
Hole 3 #2	46.9	0.08	105	53	<0.5	<5	6.80	3	20	156	84	5.06	26	0.03	<10	2.04	>10000	<2	0.02	56	167	177	0.34	36	<1	281	32	<0.01	69	763	<1	<10	112	<1
Hole 3 #46	36.5	<0.01	99	<10	<0.5	17	1.54	6	8	151	<1	0.54	24	<0.01	<10	0.27	>10000	<2	0.01	44	150	358	0.02	<5	<1	49	25	0.01	49	606	<1	<10	260	<1
Hole 5 #11	35.3	<0.01	37	12	<0.5	10	2.67	2	5	144	<1	1.71	23	0.01	<10	0.60	>10000	<2	0.01	30	312	48	0.02	<5	<1	96	24	<0.01	45	600	<1	<10	45	<1
Hole 5 #27	43.6	<0.01	36	<10	<0.5	15	1.70	2	5	168	<1	1.11	27	<0.01	<10	0.60	>10000	<2	0.01	36	<10	71	<0.01	<5	<1	52	30	<0.01	55	728	<1	26	32	<1
Hole 6 #36	66.9	<0.01	50	<10	<0.5	22	4.77	3	7	207	<1	1.78	36	<0.01	<10	1.31	>10000	<2	0.01	54	87	65	0.06	<5	<1	137	42	<0.01	81	996	<1	17	25	<1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.

