

MAP NO.: ASSESSMENT REPORT X
105 D 2 PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 093016
MINING DISTRICT: WHITEHORSE
TYPE OF WORK: PROSPECTING, SAMPLING

REPORT FILED UNDER: G.S. DAVIDSON

DATE PERFORMED: SEPT 7, 1990, JULY 17, 18, 1991 DATE FILED: MARCH 24, 1992

LOCATION: LAT.: 60°01'N AREA: WINDY ARM

LONG.: 134°38'W VALUE \$: 800

CLAIM NAME & NO.: STR 1-2 YB27864-YB27865

WORK DONE BY: GRAHAM DAVIDSON

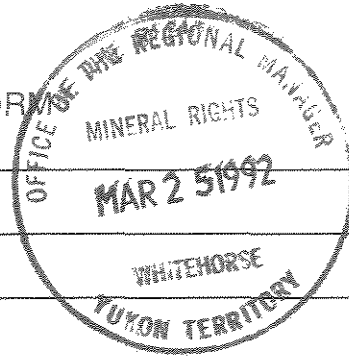
WORK DONE FOR: GRAHAM DAVIDSON

DATE TO GOOD STANDING:

REMARKS: 105D 002 CLAIMS WERE STAKED OVER EXPIRED UNITED KENO CLAIMS. WORK INCLUDED RESAMPLING THE VEIN OCCURRENCES. VEINS ARE HOSTED BY MESOZOIC DIORITE AND VOLCANICS. MINERALIZATION IS SIMILAR TO VENUS VEIN ON OTHER SIDE OF WINDY ARM.



TRANSMITTAL FORM



M.R. file no.
R.M.M.R. file no.
Date forwarded 26 Mar '92

From Mining Recorder at: Whitehorse

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 <u>STR 1-2</u>	Claim sheet no. <u>105-D-2</u>
	Type of report <u>Prospecting Mapping, Sampling</u>	Submitted by <u>Graham Davidson</u>
	Cis. work performed on <u>STR 1-2</u>	\$ req. for ren. application <u>1800.00</u>

M Southwick
Signature

REPLY ACTION

Date returned

093016

Signature



ASSESSMENT REPORT

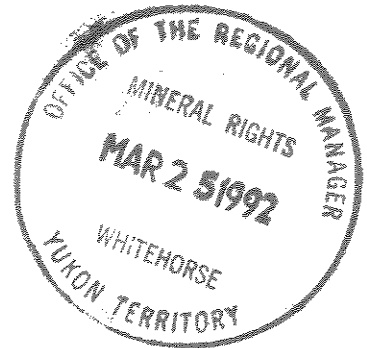
on the

STR 1-2 CLAIMS

Windy Arm, Tagish Lake

Lat. 60 01' N, Long. 134 38' W
NTS 105 D-2

Whitehorse Mining District



093016

By: G.S. Davidson, P. Geol.

March, 1992

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INTRODUCTION

The STR claims were staked in August, 1990 to cover gold and silver bearing quartz veins on the north face of Mount Patterson. The mineralization is exposed in old pits and adits in a high cirque above Old Lady Lake, east of Windy Arm, Tagish Lake. The showing was originally discovered in the early 1900's and lies across the lake from the Venus minesite. The remains of several old buildings lie in a flat area of rocky talus at the base of the cirque.

The property consists of 2 quartz claims staked by the writer; registered in the Whitehorse District office.

This report summarizes exploration work undertaken in 1990-1991 by Harris & Associates Exploration. The writer's most recent visit to the property was in July, 1991.

A \$30,000 exploration program consisting of reconnaissance traverses, mapping, geochemistry, geophysics and trenching is recommended for the property.

LOCATION AND ACCESS

The property is located 20 km south of Carcross on the British Columbia-Yukon border, east of Windy Arm, Tagish Lake. The Klondike highway, connecting Whitehorse to Skagway Alaska runs along the west side of Windy Arm passing within 5 km of the property. Presently the claims are accessible by helicopter. Figures 1 and 2 show the location.

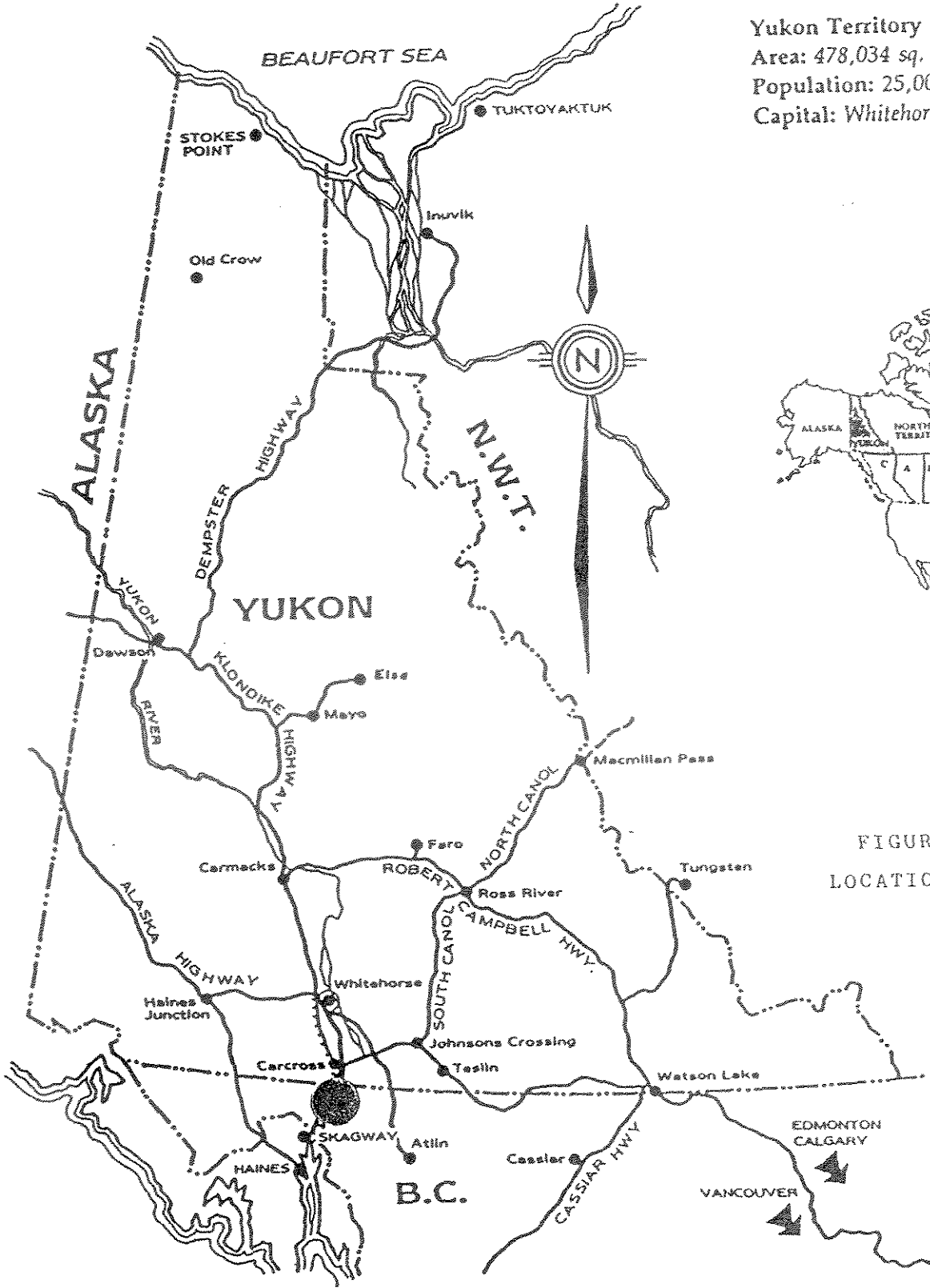
PHYSIOGRAPHY, VEGETATION, CLIMATE

The STR claims cover the rugged north facing slope of Mount Patterson. Cliffs, bedrock and blocky talus fans fall to a level debris pile at the base of the slope.

The lower adit is located on the south side of the cirque beside a small stream approximately 25 m above the debris pile.

Vegetation consists of alpine grasses and buckbrush.

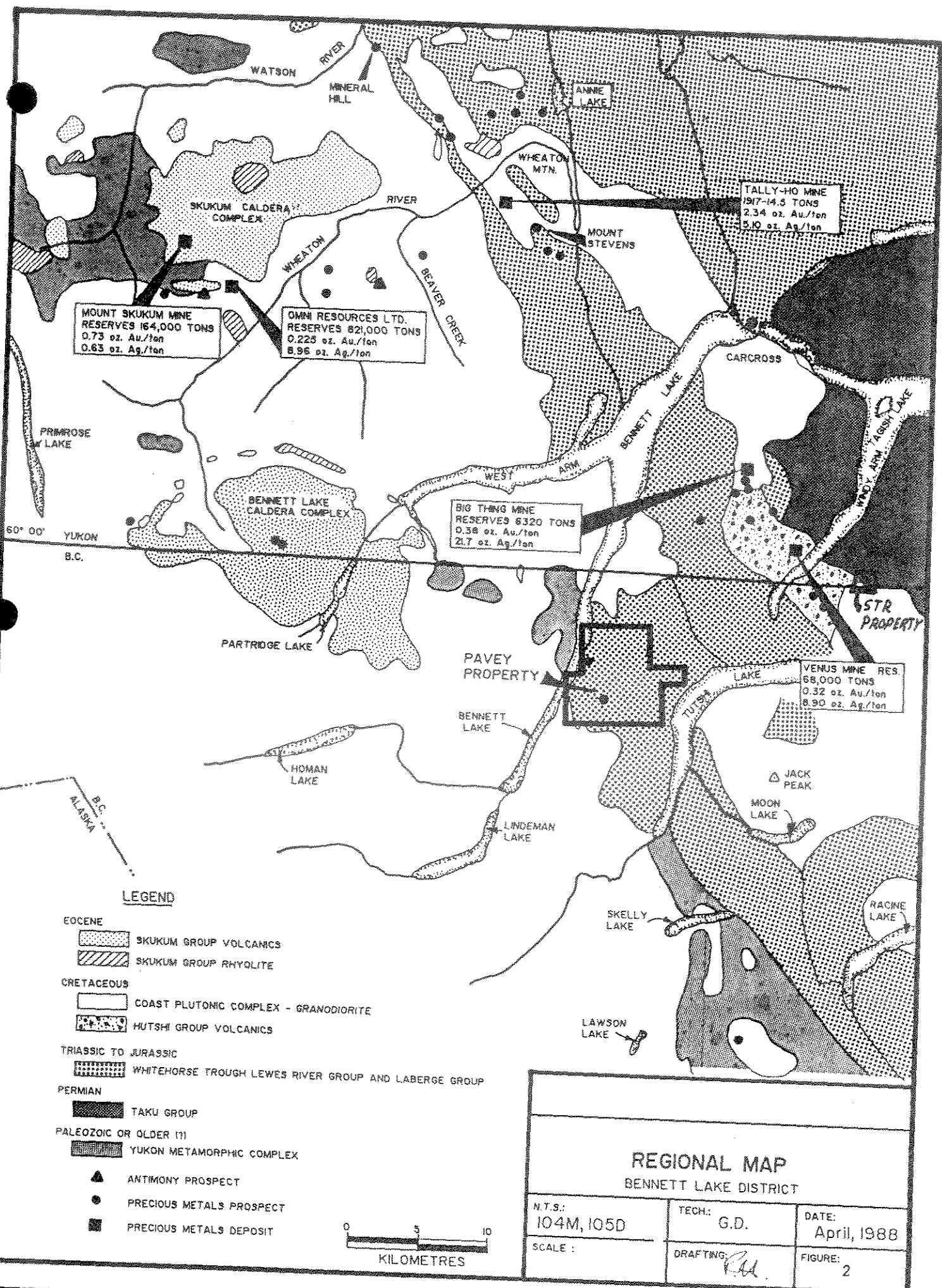
The Tagish Lake area lies on the western side of the Coast Mountains in a northern interior climatic zone. The weather is influenced by the proximity to the Pacific Ocean. Generally, summers are cool and dry, while winter temperatures are highly variable and snowpack average 2-3 m.



Yukon Territory
 Area: 478,034 sq. km.
 Population: 25,000
 Capital: Whitehorse



FIGURE 1
 LOCATION MAP



MOUNT SKUKUM MINE
RESERVES 164,000 TONS
0.73 oz. Au./ton
0.63 oz. Ag./ton

OMNI RESOURCES LTD.
RESERVES 821,000 TONS
0.228 oz. Au./ton
8.96 oz. Ag./ton

TALLY-HO MINE
1917-14.5 TONS
2.34 oz. Au./ton
5.10 oz. Ag./ton

BIG THING MINE
RESERVES 6320 TONS
0.38 oz. Au./ton
21.7 oz. Ag./ton

VENUS MINE RES.
68,000 TONS
0.32 oz. Au./ton
8.90 oz. Ag./ton

LEGEND

- EOCENE
 - SKUKUM GROUP VOLCANICS
 - SKUKUM GROUP RHYOLITE
- CRETACEOUS
 - COAST PLUTONIC COMPLEX - GRANODIORITE
 - HUTSHI GROUP VOLCANICS
- TRIASSIC TO JURASSIC
 - WHITEHORSE TROUGH LEWES RIVER GROUP AND LABERGE GROUP
- PERMIAN
 - TAKU GROUP
- PALEOZOIC OR OLDER (?)
 - YUKON METAMORPHIC COMPLEX

- ANTIMONY PROSPECT
- PRECIOUS METALS PROSPECT
- PRECIOUS METALS DEPOSIT



REGIONAL MAP
BENNETT LAKE DISTRICT

N.T.S.: 104M, 105D	TECH.: G.D.	DATE: April, 1988
SCALE :	DRAFTING: <i>P.H.</i>	FIGURE: 2

PROPERTY

The STR claims consists of 2 units registered with the district Mining Recorder in Whitehorse Yukon. An expiry date of August 27, 1993 has been applied for. Figure 3 shows the claim plan.

HISTORY

The Tagish Lake district was first explored by prospectors in the early 1890's. The Klondike Gold Rush brought thousands of would-be gold seekers through the area from 1897-1899. Gold and silver bearing quartz veins were discovered around Bennett and Tagish Lakes and in the Wheaton River drainage. High-grade mining operations at the Engineer mine on Taku Arm, and the Venus and Big Thing mines on Montana Mountain produced gold and silver periodically during the early 1900's. Colonel Conrad directed exploration and mining activities on Montana Mountain. Aerial tramways were extended from the shore of Windy Arm to the mineralized quartz veins. A mill was constructed below the Venus vein to process the high-grade ores. The towns of Conrad and Wynton, on the west shore of Windy Arm, housed the miners and prospectors.

By the early 1920's the camp was abandoned, remaining quiet until the late 1960's when both the Arctic and Venus mines were reopened for several years.

In 1980-1981 United Keno Hill Mines Ltd. redeveloped the Venus vein and constructed a 100 ton/day mill at the south end of Windy Arm. A decline in metal prices precipitated the end of operations at the Venus Mine in 1981.

The history of the workings covered by the STR claims is reported by D.D. Cairnes (1908) in G.S.C. Memoir 284, p. 255. "Some work was done this summer on the Rams Horn on the east side of Windy Arm, and a very good looking quartz ore carrying galena, zinc blende, chalcopryrite and arsenopyrite were seen there, but the veins examined were too narrow to, be profitably worked"

Two adits were collared on steeply dipping quartz veins on the face of Mount Patterson. The uppermost adit is 10 m in length. The lower adit is larger and a short decline suggests that some high grade ore may have been mined. Higher on the slope four blast pits uncover mineralized quartz veins and massive pyrrhotite.

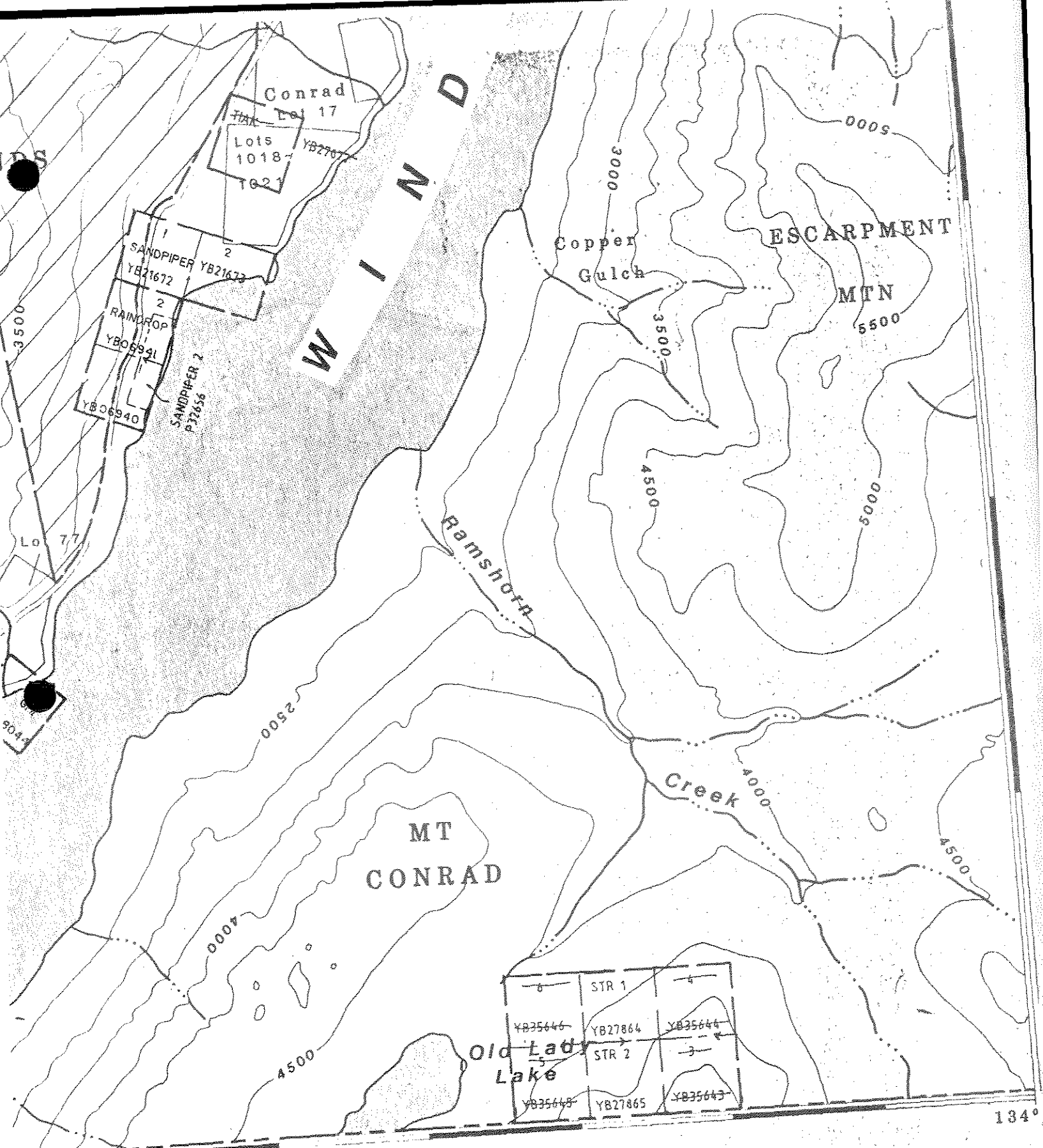


FIGURE: 3
 CLAIM PLAN
 NTS 105 D-2
 1:30,000

The adits have been staked numerous times since the 1950's. Premier Mining Corporation acquired the claims in 1968 and performed mag and soil sampling surveys.

REGIONAL GEOLOGY

The Tagish Lake district overlies the contact between deformed volcanic and sedimentary rocks of the Intermountain Belt and the younger volcanic and intrusive suite of the Coast Intrusions. Montana Mountain and Mount Conrad are underlain by Cretaceous volcanic rocks, mainly intermediate to felsic pyroclastics and flows. A strong northwesterly trending normal fault separates the volcanics from Lower Jurassic Laberge Group siltstones, greywackes and argillites to the south.

North of Mount Conrad Mesozoic diorite and metavolcanic rocks lie in fault contact with Cretaceous units. Tertiary rhyolite and porphyry dykes intrude the older units. Mineralized quartz veins occur in fracture zones or in close proximity to these felsic dykes. Figure 4 shows the geology.

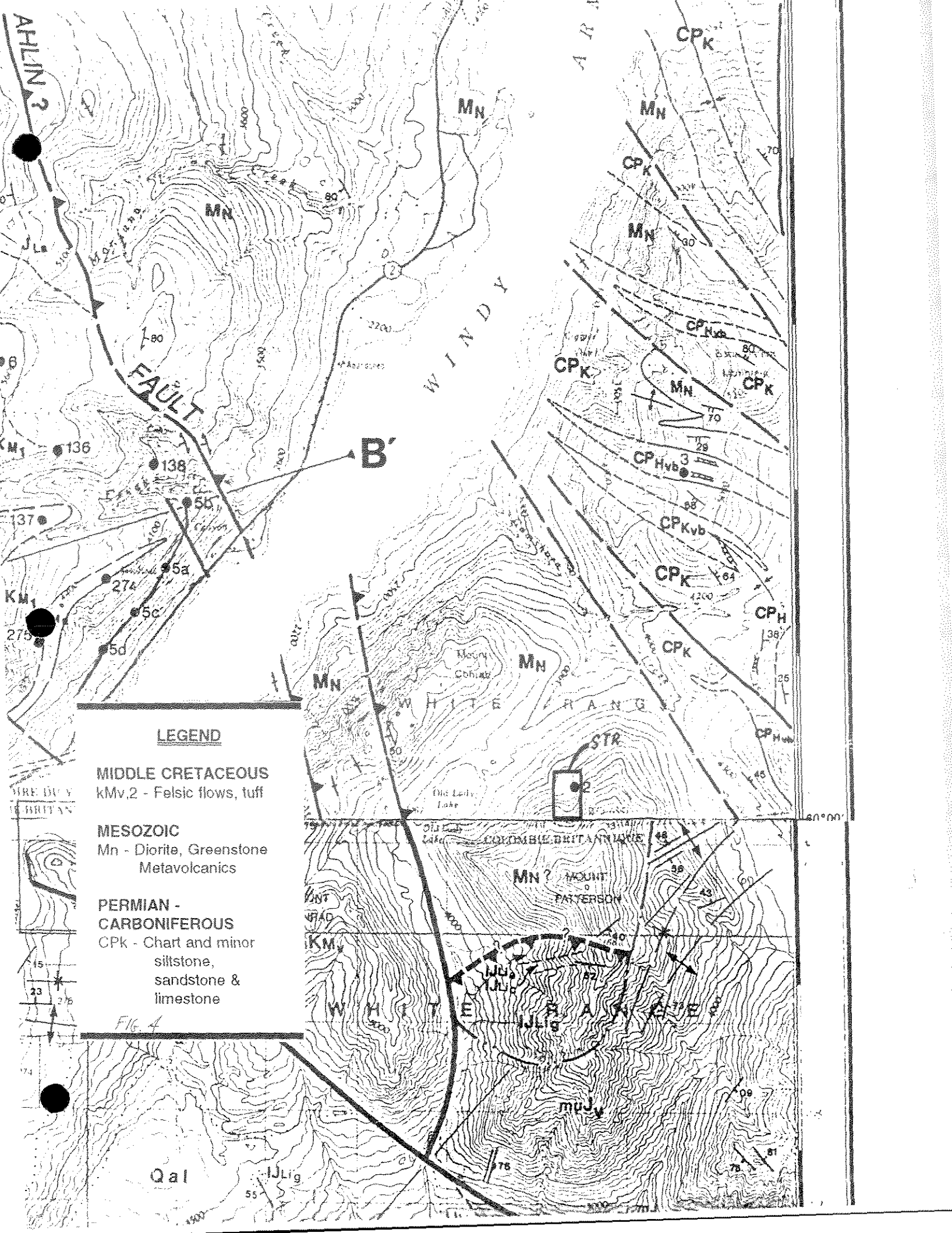
1991 EXPLORATION

The STR claims are underlain by diorite, metavolcanic rocks and skarn. Quartz veins and sulphide mineralization occur as lenses along shears in dioritic rocks. The quartz veins range from 10-90 cm in width and contain bands of arsenopyrite. Lenses of sulphides consist of variable amounts of galena, sphalerite, arsenopyrite, pyrrhotite, chalcopyrite and pyrite. Mineral zoning or banding, similar to the Venus quartz vein, is present in several of the wider lenses.

The adits were collared on two separate veins. The lower adit follows a 20-75 cm wide quartz and sulphide lense which strikes 060deg. and dips 25 deg. north. The lense pinches and swells along strike and terminates at a fault. Sulphide mineralization consists of arsenopyrite, galena, sphalerite and chalcopyrite as coarse crystalline masses or in fine-grained bands.

The upper adit is 10 m long and cuts a 25-50 cm wide quartz-arsenopyrite vein that strikes 55 deg. and dips 62 deg. north. The trace of the vein above the adit is strongly stained but it terminates at a 2-3 m wide north trending quartz breccia zone.

A third quartz-sulphide lense located 75 m above the upper adit is exposed in three old pits. The mineralization appears to be a strataform lense approximately 70 m long and up to 2 m thick that strikes 035 deg. and dips 45 deg. SE. It consists of pyrrhotite, sphalerite, galena, chalcopyrite, arsenopyrite and quartz or rusty greenstone. A 15 cm wide quartz-arsenopyrite vein cuts the lense.



AHLIN?

KM₁ 136
137
274
275

FAULT

B'

WINDY

LEGEND

MIDDLE CRETACEOUS
KMv.2 - Felsic flows, tuff

MESOZOIC
Mn - Diorite, Greenstone
Metavolcanics

**PERMIAN -
CARBONIFEROUS**
CPk - Chart and minor
siltstone,
sandstone &
limestone

Fig. 4

Qal

IJLig

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Above the old camp another quartz-sulphide lense (North Vein) is exposed in an old cut.

The 1991 exploration work involved rock sampling and prospecting. Three days (Sept. 7, 1990; July 17&18, 1991) were spent on the claims and eighteen rock samples were collected. Figure 5 shows the property map, and sample descriptions and values are contained in Table 1.

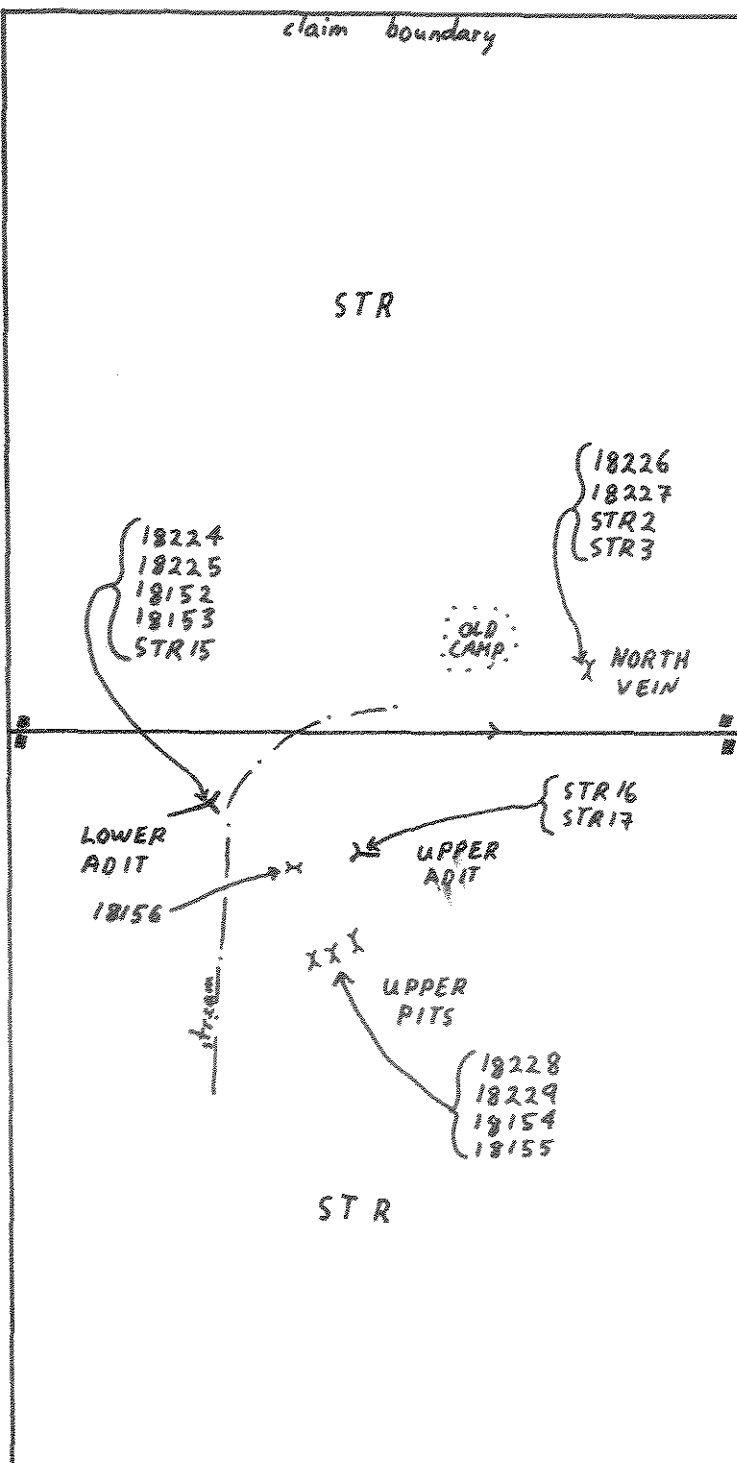
TABLE 1-SAMPLE DESCRIPTIONS AND VALUES

Sample Number	Location & Description	Au opt	Ag opt	Pb %	Zn %
18224	Lower adit mouth, quartz sulphide vein	0.28	118	5.0	9.2
18225	Lower adit, quartz-arseno vein	0.22	9.3		
18226	North Vein, pit, 50 cm quartz sulphide vein	0.24	52	4.2	11.4
18227	Same as above, quartz vein 2% gal+sph	0.08	1.5		1.2
18228	Upper pits, quartz-arseno vein	0.54	1.7		
18229	Upper pits, quartz-arseno vein, 5% galena	0.47	13.6	1.3	
18152	Lower adit mouth, massive sulphide layer	0.11	18.6	2.2	
18153	Lower adit, quartz vein	0.10			
18154	Upper pits, quartz-pyrite-arseno lense up to 1m wide	0.17			
18155	Upper pits, quartz-arseno vein, 30% arseno	0.83			
18156	Lower pit, massive pyrrhotite in metavolcanic rock			1.4%Cu, 0.8%Ni	

Table 1 Cont.

		AU PPB	AG PPM	CU PPM	PB PPm
STR2	North Vein, quartz-sulphide lense,.5 m wide	3258	193	392	>10000
STR3	North Vein, clay gouge	129	19	13	4910
STR5	East of STR 2 claim diorite, 2% chalco.	79	150	>10000	2650
STRR8	Same as above, malachite	30	10.8	1230	992
STR15	Lower adit, massive galena and sphalerite	1342	1646	5690	>10000
STR16	Upper adit,quartz sulphide vein	1711	389	681	>10000
STR17	Upper adit, same as above	6345	285	3610	>10000

East of the STR claims, chalcopryite was found in float over a wide area. Two samples (STR 5&8) contained anomalous copper and silver values.



STR8
X X STR5

YUKON
B. C.

PROPERTY MAP STR CLAIMS		
NTS: 105 D-2		DATE: FEB, 92
SCALE: 1 : 5,000		FIG. 5

DISCUSSION

Mineralized quartz veins and lenses similar to those on Montana Mountain, in the Wheaton Valley and the Tagish district occur on the STR claims. The quartz veins are hosted by Mesozoic diorite and metavolcanic rocks.

Structurally the property lies east of major northwest trending faults, the Nahlin and Llewellyn Faults. These Fault systems are the focus of gold exploration from the Wheaton Valley to the south end of Tagish Lake.

Veins and lenses exposed in the old workings on the STR claims are fairly narrow but the high grade mineralization occurs over a wide area and should be closely examined in a follow-up work program.

RECOMMENDATIONS

Future exploration should concentrate on mapping and sampling of the mineralized quartz zones. Geochemical and geophysical surveys, and geological mapping and blast trenching are recommended.

Prospecting, preliminary mapping and sampling should be performed on areas east of the claims to check for potential porphyry copper style showings.

The following program is proposed:

Geological mapping and prospecting	\$ 4500
Grid development, 20 km	4000
Geochemistry, 250 samples	6250
Geophysics, VLF & Mag	6000
Camp and support	2500
Transportation and mob.	2250
Report and assessment	4500

TOTAL	\$30000

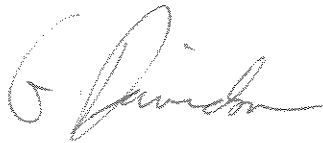
CERTIFICATE

I, GRAHAM DAVIDSON, of the City of Whitehorse, in the Yukon Territory, HEREBY CERTIFY:

1. That I am a consulting geologist and that I worked on the subject property in 1990 & 1991.
2. That I am a graduate of the University of Western Ontario (H. BSc., Geology, 1981).
3. That I am registered as a Professional Geologist by the Association of Professional Engineers, Geologists & Geophysicists of Alberta (No. 42038).
4. That I have been engaged in mineral exploration on a full time basis for eleven years in the Yukon and Northwest Territories, and British Columbia.

SIGNED at Whitehorse, Yukon this 15th day of March, 1992.

G.S. DAVIDSON, P.Geol.

A handwritten signature in cursive script, appearing to read "G. Davidson", written in black ink.

REFERENCES

D.D. Cairnes, 1908; GSC Memoir 284, p.255.

W.S. Reid, 1968; Preliminary Report on the Rams Horn Property for
Premier Mining Corporation.

September 20, 1990

Work Order # 08367

Graham Davidson
 17 - 4078 - 4th Ave.
 Whitehorse, Yukon
 Y1A 4K8

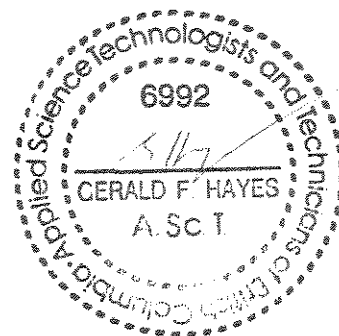
File # 08367a

Project: Ramshorn

Assay Certificate For Samples Provided

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As	ppm Sb
18224	>5000	>100	2860	>10000	>10000	>10000	5580
18225	>5000	>100	497	6770	2430	>10000	604
18226	>5000	>100	1820	>10000	>10000	>10000	2550
18227	2201	44.6	1130	1760	>10000	>10000	108
18228	>5000	51.7	1210	831	1830	>10000	152
18229	>5000	>100	3810	>10000	603	>10000	212

Au -- 30g Fire Assay/AAS
 Metals -- Aqua Regia Digestion/AAS Geochem



September 20, 1990

Work Order # 08367

Graham Davidson
 17 - 4078 - 4th Ave.
 Whitehorse, Yukon
 Y1A 4K8

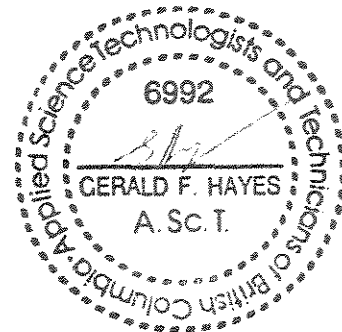
File # 08367b

Project: Ramshorn

Assay Certificate For Samples Provided

Sample	oz/t Au	oz/t Ag	% Pb	% Zn	% As
18224	0.275	117.84	5.04	9.20	6.45
18225	0.217	9.30			3.18
18226	0.240	51.97	4.18	11.40	8.79
18227				1.22	3.53
18228	0.537				12.30
18229	0.467	13.62	1.30		12.10

Au & Ag -- 1AT Fire Assay/Grav
 Metals -- Aqua Regia Digestion/AAS Assay



August 5, 1991

Work Order # 13266

Graham Davidson

Assay Certificate For Samples Provided

Sample #	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm
18152	5049	741.0	1310	>10000	7560	13
18153	3325	23.2	670	1269	2670	7
18154	5728	3.5	344	71	54	9
18155	>6000	20.9	659	235	28	15
18156	239	5.7	>10000	14	130	>10000
18161	164	20.1	28	851	242	23
18162	912	4.3	83	66	192	108
18163	24	5.7	<1	462	7	6
18164	59	8.3	18	42	46	23
18165	66	1.5	<1	34	33	2
18166	28	72.1	97	>10000	2750	5
18167	372	12.7	3	298	77	<1
18168	18	1.2	<1	73	20	2
18169	17	2.4	<1	172	65	<1
18170	18	0.4	<1	34	19	<1
18171	20	250.1	19	5230	283	<1
18172	>6000	122.7	18	4050	760	<1
18173	>6000	25.9	54	1294	2680	5
18174	1181	1245.0	19	3320	35	4
18175	153	5.8	2	121	134	2
18176	63	78.2	29	>10000	153	1
18177	718	29.7	21	1806	61	<1
18178	1894	46.9	36	633	211	<1
18179	62	0.3	26	28	17	10
18180	22	<0.1	12	10	22	7
18181	315	0.9	205	53	37	4
18182	1208	31.4	284	7670	6020	22
18183	38	0.1	18	72	73	4
18184	16	0.2	55	159	231	12
18185	<5	<0.1	9	41	79	9

Certified by Chyokki



September 20, 1991

Work Order # 11-01

Bill Harris / Graham Davidson

Assay Certificate For Samples Provided

Sample #	Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %
18152	0.110	16.594		0.03	
18155	0.826	--			
18156	----	----	1.43		0.14
18166	----	----		1.15	
18172	0.516	----			
18173	0.131	----			
18174	----	24.614			
18176	----	----		0.03	

Certified by Chyokki



December 17, 1991

Work Order # 13546

Bill Harris

Assay Certificate

Sample #	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm
GR1	798	21.3	66	3650	545	10
GR2	2521	634.0	140	>10000	145	13
GR3	2156	929.0	90	>10000	155	11
GR4	4361	429.0	113	>10000	80	9
North { STR2	3258	192.6	392	>10000	252	14
STR3	129	19.1	13	4910	89	6
STR5	79	149.9	>10000	2650	4810	<1
Cu STRR8	30	10.8	1230	992	229	8
MAIN STR15	1342	1646.0	5690	>10000	>10000	2
UPPER { STR16	1711	389.0	681	>10000	1680	11
STR17	6345	2850	3610	>10000	2050	1
18365	390	223	660	1290	304	19
18366	354	34.4	964	2450	391	27
18367	84	8.1	3310	347	298	60
18368	17	5.0	414	752	522	52
18369	15	4.1	589	248	535	82
18370	36	5.5	1902	342	179	46
18371	302	4.9	2940	290	142	35
18372A	44	4.2	828	254	185	34
18372B	7	1.1	66	134	53	78
18373	5	1.0	55	121	53	19
18374	8	1.9	113	179	66	19
18375	65	2.0	74	154	45	40
S91-1	68	1.5	334	86	76	16
S91-2	47	1.4	971	128	135	19
S91-3	71	3.6	1458	391	117	84
S91-4	75	1.2	1334	60	102	13
S91-5	110	1.3	577	125	140	20
S91-6	31	1.8	164	87	164	17
S91-7	28	1.4	301	65	138	15

Certified by Chycki



STATEMENT OF COSTS

STR CLAIMS

Sample Analysis, NAL, 18 Samples		\$450.00
Transportation, Heli-Dynamics,	.8hrs	\$571.46
Camp and Supplies: 4 Man-days @ \$35.00/day		\$140.00
		<hr/>
	TOTAL:	<u>\$ 1,161.46</u>

