

ASSESSMENT REPORTS

Whitehorse M.D.

MAP No. 105-D-3 TYPE OF WORK: Geological/Geochemical

REPORT FILED UNDER	Carmac Resources Ltd.	Evaluation Report
DATE PERFORMED	July 23 - 29, 1984	DATE FILED: March 14, 1985
LOCATION - LAT.	60° 10'N	
LONG.	135° 14'W	
CLAIM Nos.	MOM 1-10	YA81767 - 776
	15-44	YA81781 - 810
	47-81	YA81813 - 847
	82-89	YA82000 - 007
WORK DONE BY	G.C. Macdonald (G. Macdonald & Assoc. Ltd.)	
WORK DONE FOR	Carmac Resources Ltd.	
REMARKS		
BACHIS		
091617		
	YEX 85 p. 94	

Quartz-biotite-muscovite schists, micaceous quartzite and quartz-biotite gneiss of the Yukon Metamorphic Complex occur on the property, mainly above 1600 m elevation. Andesitic flow rocks of the Hutshi (?) Group occur in the central part of the property. The above mentioned rocks are intruded by fresh, equigranular, medium-grained biotite-hörnblende granodiorite or quartz monzonite of Cretaceous age which is fractured and locally sheared in the contact area (parallel) to the contact (95° to 105°). Late Tertiary andesite and rhyolite dykes and sills cut all other units on the property and are commonly brecciated, altered and internally veined. Country rocks are moderately to intensely altered adjacent to most dykes.

The Porter Mine occurs at the west end of Carbon Hill and is covered by Crown Grants. The main adit was over 335 m long and

intersected up to 20 vein structures with antimony, zinc, silver and minor gold in quartz veins. The best assay reported from the mine is 171 g/t Ag and 8.57 g/t Au over a 20 cm width with no record of production. On the MOM claims 500 m to the east and south of this mine, several quartz veins are exposed in upper Antimony Creek and are the eastern extension of veins exposed in the mine. The quartz veins exhibit colliform textures with drusy cavities, strike subparallel to the sheared intrusive contact, dip flat to 30° N, and are mostly 1-2 cm wide, but vary up to 20-30 cm. The Becker-Cochran zone may also extend on to the property.

✓

In July and August 1984 two property visits were conducted, one by G. Macdonald and the second by C.A. Main.

The in situ quartz veins were generally barren of sulphides although several specimens contained minor disseminated galena and pale brown sphalerite. Ten samples of vein material were assayed for silver and gold. A representative chip sample of quartz vein over 30 cm assayed 0.34 g/t Ag and 0.21 g/t Au.

✓

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SUMMARY GEOLOGICAL REPORT

on

CARBON HILL PROPERTY

60°10'N / 135°14'W; NTS 105 D-3



Whitehorse, Y.T. and the
geological features of the
Carbon Hill property are
described in this report
which was prepared for
Carmac Resources Ltd.

Regional Manager, Exploration and
Geological Services for the
Yukon Territory

Carmac Resources Ltd.

GLEN C. MACDONALD, P.GEOL.
March 9, 1985

09 16 17



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 \$ 7100.00.

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

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INTRODUCTION

This report was prepared at the request of Mr. Fred Hewitt on behalf of Carmac Resources Ltd.

All available private and public information relative to the property was reviewed as a part of this compilation. The author visited the property, accompanied by Mr. T. McCrory, prospector, on July 25, 1984 and is familiar with the area, having conducted numerous exploration programs in the district since 1970.

BEAUFORT SEA

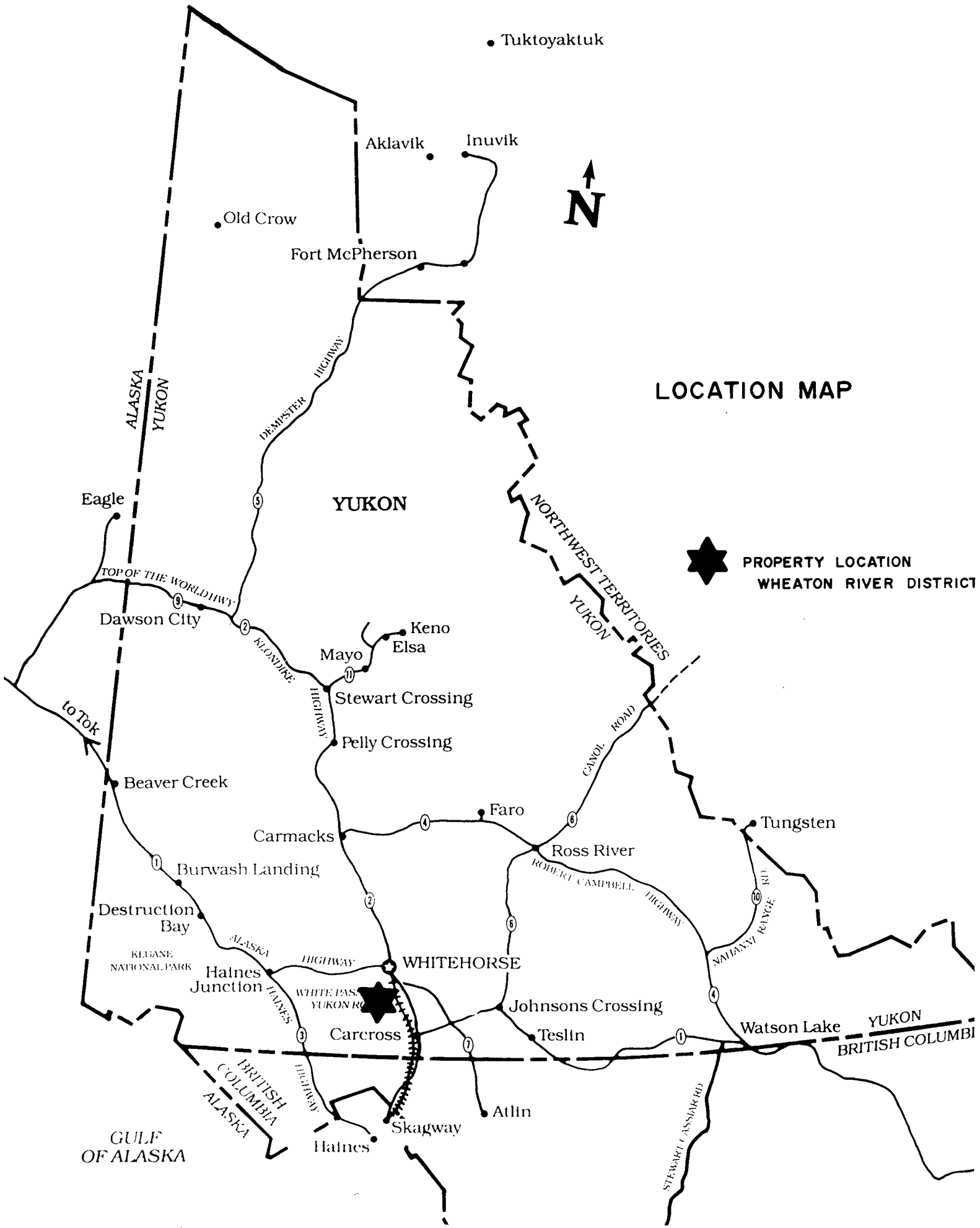
• Tuktoyaktuk



LOCATION MAP



PROPERTY LOCATION
WHEATON RIVER DISTRICT



SUMMARY

The Carmac Resources Ltd. CARBON HILL property is underlain by geology considered permissive to host gold occurrences which, due to the microscopic nature of the mineralization and the absence of traditional indicator minerals, may have been overlooked by previous explorers in the region.

Accordingly, an exploration program consisting of geological mapping and a reconnaissance style geochemical survey with follow-up trenching and diamond drilling, if warranted, is recommended to assess the potential of the claims. The suggested project has a two-phase budget totalling \$100,000.

PROPERTY

The CARBON HILL property of Carmac Resources Ltd. consists of one contiguous block of 83 mineral claims, as summarized in Table i.

Table I - List of Claims

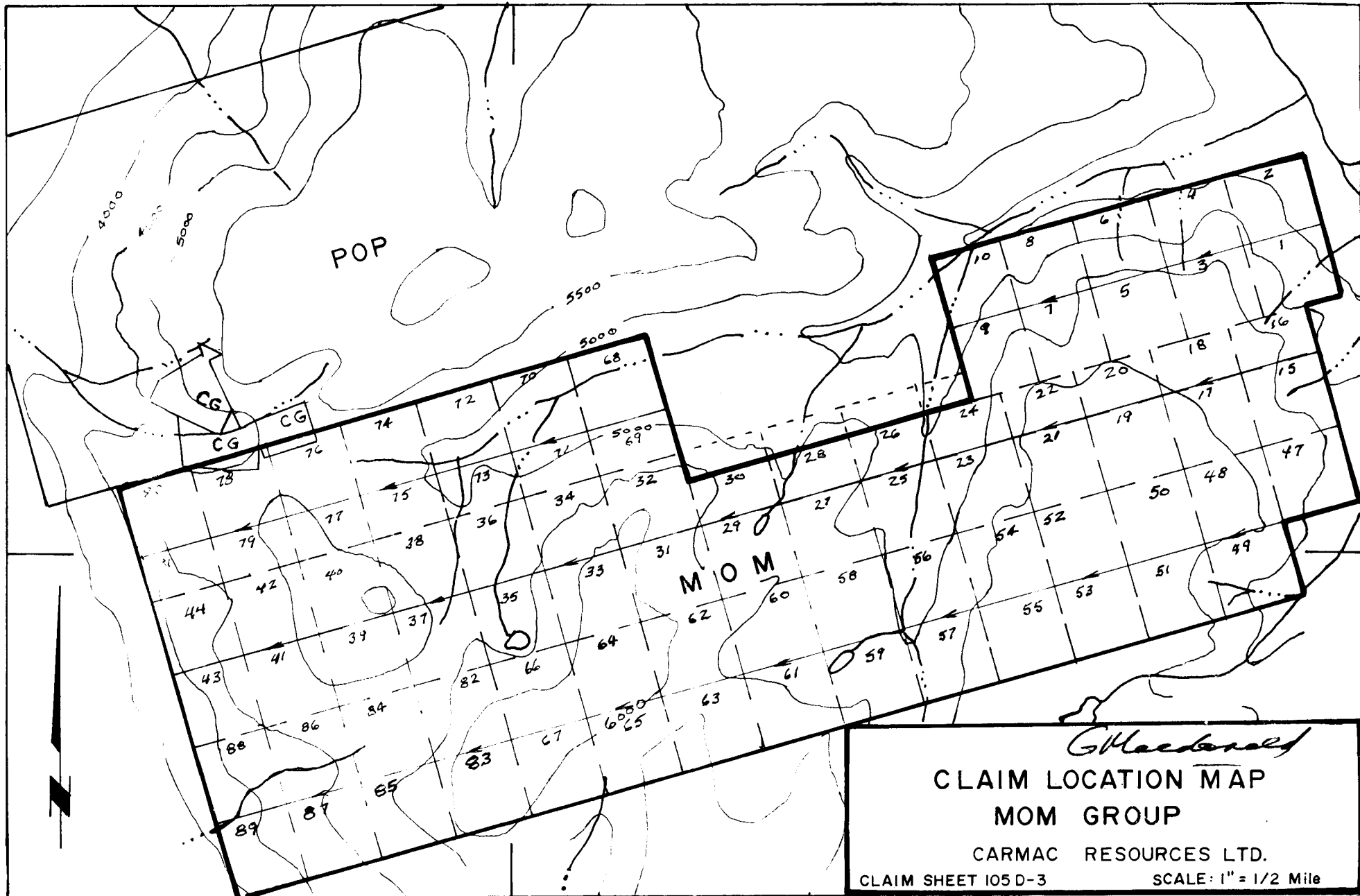
<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date</u>
MOM 1-10	YA81767-81776	22 November 1985
MOM 15-44	YA81781-81810	22 November 1985
MOM 47-81	YA81813-81847	22 November 1985
MOM 82-89	YA82000-82007	22 November 1985

TOTAL: 83 CLAIMS

Yukon located mineral claims such as these are granted subject to the provisions of the Yukon Quartz Mining Act and require an annual work expenditure of \$100 to be maintained in good standing. The work requirement may, in the first three years following initial recording, be by geological, geophysical or geochemical surveys or by physical work. After such claims are more than three years old, however, only physical work is acceptable for assessment credit. Alternatively, a cash payment in lieu of work may also be made to maintain the claims in good standing. Yukon mineral claims are 1500 feet square when full sized.

The Carmac Resources Ltd. claims are located in the Whitehorse Mining District on NTS claim sheet 105-D-3 and are administered by the District Mining Recorder located in Whitehorse, Y.T.

FIGURE 2



LOCATION AND ACCESS

Carmac Resources' CARBON HILL property is centered at $60^{\circ}10'N$ / $135^{\circ}14'W$ on NTS claim sheet 105-D-3. It is located approximately 57 km southwest of Whitehorse, Y.T. and 45 km west of Carcross, Y.T. The claims are 85 road kilometers from Whitehorse, Y.T. and are connected to the all-weather Wheaton River Road - a distance of 12-15 km - via the "Yukon Antimony" rough gravel road.

Helicopters are available in Whitehorse to facilitate access to remote parts of the property.

CLIMATE

The CARBON HILL area is characterized by a northern interior climate modified by a warm coastal influence from the nearby Pacific Ocean. Consequently, winters in the area are long with temperature extremes to -40°C but commonly in the -10°C to -20°C range. Summers are pleasant, with long hours of daylight during June and July.

Freeze-up occurs after the middle of October, and rivers generally are open again by early May. Ice remains somewhat longer in the larger lakes.

PHYSIOGRAPHY

The property is situated regionally within the eastern portion of the Coast Plutonic Complex and has very high relief, from steep canyons to high mountains.

Relief on the property is in the order of 900 meters, from 800 to 1700 meters. Drainage is into the Wheaton River via small creeks and seepages.

The lower slopes to the 1100 meter elevation are covered with thick underbrush consisting of willows, alder and scrub conifers. Above the 1100 meter elevation, the slopes are grassy with some short arctic birch or buck brush. Bedrock exposures are mostly limited to steep canyon slopes and small drainage systems.

HISTORY AND PREVIOUS WORK

The earliest exploration work in the Wheaton River area pre-dates the Klondyke gold rush by several years. The first recorded claims staked in the region were located by Frank Corwin and Thomas Rickman on Carbon Hill, Chieftain Hill and Mt. Anderson(?) during the summer of 1893. These two prospectors excavated numerous pits and trenches on Carbon Hill during that season and returned to their base at Juneau, Alaska, at the season's end with samples of antimony ores and gold-quartz mineralization which assayed (by the Treadwell mines) over \$1,200 per ton. Both prospectors died without revealing the location of their finds.

Additional prospecting in the Wheaton River District continued intermittently until 1906 when the discovery of gold and gold telluride bearing quartz veins on Gold Hill led to a staking rush that resulted in over 700 claims being located near discovery and on Carbon Hill where Corwin and Rickman's original claims had been found. Many of the claims were further developed until the outbreak of WWI - with adit entry underground drifts driven on shear zones or veins on Gold Hill, Tally Ho Mountain, Mt. Stevens and Carbon Hill. After the termination of the war, additional exploration was conducted on several of the more promising occurrences and limited production arose from high grade zones at Tally Ho Mountain, Gold Hill and Mt. Stevens. An old water-powered stamp mill was located on Becker Creek between Carbon Hill and Mt. Anderson to process high-grade silver-gold ore from veins on the west side of Mt. Anderson but production records are lost to time.

Most of the Wheaton River District then lay idle from the mid 1920's until the late 1940's as most exploration efforts during this period were directed to silver-lead veins in the Keno Hill area of central Yukon. Most of the main mineral occurrences were maintained as leases or Crown Grants during this phase of inactivity. From the 1940's until the early 1980's, the Wheaton River District witnessed only sporadic exploration activity as specific commodities were sought. During 1966-1968, a considerable amount of underground exploration was carried out at the old Becker-Cochrane property on the east side of Carbon Hill by Yukon Antimony Ltd. where some reserves of antimony-(stibnite)-silver ore were indicated. During the 1970's, exploration reconnaissance programs were conducted in the region for porphyry copper deposits. With the increasing price for gold during the late 1970's, interest again revived for precious metal exploration in southern Yukon. By 1981-1982, regional exploration programs conducted by AGIP Canada Ltd. had successfully located gold-bearing veins in the Mt. Skukum area. These low-sulphide zones were found to contain microscopic gold mineralization of commercial importance in quartz-calcite veins.

The significance of the discovery was recognized by 1983 and a surge in exploration activity ensued.

GENERAL GEOLOGY

The Wheaton River District has been twice mapped by the Geological Survey of Canada. D. D. Cairnes mapped much of the district during 1909 and 1915 and published his interpretation as Map 60A (1917) in conjunction with Memoir No. 31 (1912). The area was subsequently re-mapped as a part of the general mapping of Map Sheet 105-D (Whitehorse Map Area) during 1946 by J. G. Fyles and W. E. Cockfield and 1948-1951 by J. O. Wheeler who published his compilation as Geological Survey Memoir 312 in 1961.

The Wheaton River District is sited along the eastern margin of the Cretaceous Coast Range intrusive complex. Rocks of this mass are typically fresh quartz monzonite or quartz diorite, and underlie much of the area. The oldest stratified rocks present in the district are pendants and masses of lower Paleozoic Yukon Group quartz mica schists, gneisses and micaceous quartzite. Pennsylvannian-Permian meta-volcanic rocks are present in this eastern margin of the district, near Windy Arm, and perhaps along Gray Ridge. A complex assemblage of volcanic rocks comprised of older andesite, basalt and rhyolite flows and associated pyroclastic rocks (variously mapped as Hutshi Group, Mt. Stevens Group and Lewes River Group) occurs throughout the district.

These lithologies typically exhibit regional propylitic alteration and occupy a similar stratigraphic setting where exposed on Montana Mountain, Tally-Ho Mountain, Gold Hill and Mt. Skukum. A younger series of andesite and rhyolite flows, tuffs and agglomerates mapped as the Mt. Skukum Group overlies the older volcanics at Mt. Skukum, Mt. Macauley and Gold Hill. These lithologies are internally very complex and typically change composition rapidly over short distances horizontally and vertically.

The Mt. Skukum volcanics are a product of Tertiary volcanism and are probably equivalent to the Sloko volcanic lithologies south of Atlin, B.C. Late Tertiary Upper Skukum series rhyolite porphyry dykes and stocks intrude all other rocks in the Wheaton River District. A summary of the general geology is presented as Table II of this report.

The area is structurally complex on a local scale but rather less complicated in the regional sense - schistose lithologies have undergone intense internal deformation as a result of tectonic plate margin collisions. Unconformities separate most of the stratified lithologies. Typically, sedimentary and older flow rocks exhibit a preferred north-west orientation. Major fault structures tend to be associated with caldera subsidence and collapse at Mt. Skukum, Mt. Macauley and Montana Mountain. Other larger faults are generally block-faults, some of which may be coeval with the Tertiary volcanism. Some of the late Tertiary rhyolite porphyry dykes were emplaced in ring fractures.

Table II - Table of Formations

QUATERNARY		Alluvium; glacial deposits
QUATERNARY(?)	Miles Canyon Volcanics	Basalt; minor pyroclastic rocks
LATE TERTIARY	Upper Skukum Group	Rhyolite, andesite dykes, sills
TERTIARY	Skukum Group	Basalt, andesite, rhyolite flows; associated tuffs and breccias
CRETACEOUS	Coast Range Intrusions	Medium-grained quartz-monzonite; granodiorite
JURASSIC/CRETACEOUS	Hutshi Group (?)	Andesite, rhyolite flows and pyroclastic equivalents
JURASSIC	Tantalus Group	Mainly conglomerate
TRIASSIC	Lewes River Group	Andesite, basalt flows and pyroclastic equivalents; limestone; minor rhyolite flows
LOWER PALEOZOIC	"Yukon Group"	Metamorphic terraine; quartz-biotite schist; micaceous quartzite; minor gneissic units

PROPERTY GEOLOGY

The Carmac Resources Ltd. claims are underlain by a series of volcanic and sedimentary lithologies intruded by later granitic units. The oldest rocks on the property are Lower Paleozoic(?) "Yukon Group" schists, gneisses and quartzite. These units are present generally above 1600 meters elevation on the southern portion of the claims. Lithologies present in the metamorphic complex include quartz-biotite muscovite schists, micaceous quartzite and quartz-biotite gneiss. This unit is moderately to intensely deformed.

On Mt. Bell, a remnant of upper Jurassic Tantalus Formation conglomerate overlies the metamorphic lithology. This conglomerate is a light buff weathering rock with angular to subrounded quartzite and shaly pebbles in a silty carbonate matrix. Andesitic flow rocks, possibly of upper Jurassic age, are present in the central part of the property. These rocks commonly show weak regional alteration and may in part be equivalent to the Hutshi Group as mapped at Montana Mountain.

Coast Range granitic rocks are present intruding the older stratified units in the vicinity of the Carmac claims. These batholithic intrusives are typically fresh, equigranular, medium-grained biotite-hornblende granodiorites or quartz monzonites. Dry fracturing is often present in the granites.

Late Tertiary Upper Skukum Group andesite and rhyolite dykes and sills are present, cutting all the other units on the Carmac property. These rocks are often brecciated, altered and internally veined. The country rocks may be moderately to intensely altered in the vicinity of the dykes. A small stock of rhyolite porphyry has been emplaced on the east side of Carbon Hill, immediately north of the property and adjacent to the stibnite veins at the old Becker-Cochrane property.

MINERALIZATION

Mineralization found to date by preliminary prospecting on the Carmac claims by the vendors consists mostly of stibnite (antimony) bearing quartz veins in the vicinity of the older workings covered by the Crown Grant claims on the Porter workings (probable site of the old Corwin-Rickman discovery). The host structures at the old Becker-Cochrane zone also probably extend onto the Carmac property. This mineralization is generally low in precious metal values, with the best assay to date for the Porter zone reporting 0.048 oz/T Au and 5 oz/T Ag. Similar results have been obtained for stibnite bearing material occurring as float along Antimony Creek.

CONCLUSIONS

Only prospecting work of a preliminary nature has been conducted on the Carmac property to date. This exploration has been generally directed towards extensions of known antimony-quartz veins on the adjoining properties. However, recent discoveries of commercially important gold-bearing veins in andesites associated with rhyolite porphyry rocks at Mt. Skukum suggest that a re-examination of geologically permissive rocks in the vicinity is warranted.

Accordingly, a two-phase exploration program comprised of geological and geochemical surveys, trenching and diamond drilling is suggested to evaluate the Carmac Resources Ltd. CARBON HILL property.

RECOMMENDATIONS

A \$100,000 program is recommended to evaluate the Carmac Resources' CARBON HILL property. A simple breakdown for the program is presented below, and includes field costs for camp and transportation.

Phase I

Geological Mapping, Engineering	\$ 15,000
Geochemical Survey	15,000
Trenching	10,000

Phase II (contingent upon Phase I results)

Diamond Drilling: 1000 ft @ \$60/ft	60,000
	<hr/>
TOTAL	\$100,000
	<hr/>

The geochemical survey should be directed to cross the general structural orientation with detailed sample stations along fairly widely-spaced sections. This work should be concentrated in the vicinity of rhyolite and andesite dyke systems on the southern portion of the property.

Respectfully submitted,

G Macdonald

G. Macdonald, P.Geol.

A P P E N D I X

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CERTIFICATE OF QUALIFICATIONS

I, GLEN C. MACDONALD, with business and residential address in Whitehorse, Yukon Territory, DO HEREBY CERTIFY that:

1. I am a consulting professional geologist.
2. I am a graduate of the University of British Columbia (B.Sc., Geology, 1973 and B.A. Economics 1971).
3. I am registered as a Professional Geologist by the Association of Professional Engineers, Geologists and Geophysicists of Alberta (No. 36214).
4. I am registered as a Professional Geologist in the Northwest Territories (No. L166).
5. I am a member in good standing of the Canadian Institute of Mining and Metallurgy.
6. I have practised Mining and Exploration geology in the Yukon, northern British Columbia and Northwest Territories since 1973. I began private practice in 1982 after leaving the position of Regional Geologist for Noranda Exploration Company Limited, Whitehorse, Y.T.
7. I have examined the showings and area of the property of CARMAC RESOURCES LTD. (Carbon Hill claims) (Whitehorse Mining District) and have reviewed all available private and public information on the property to compile this report.
8. I have not received, nor do I expect to receive, any interest in properties or securities of Carmac Resources Ltd.
9. I hereby grant my permission for Carmac Resources Ltd. to use this report for filing with the Vancouver Stock Exchange as partial requirement of a Statement of Material Facts or for any legal purposes normal to the business of Carmac Resources Ltd.

DATED at Whitehorse, Yukon Territory, this 13th day of March, 1985.



GLEN C. MACDONALD, P.GEOL.

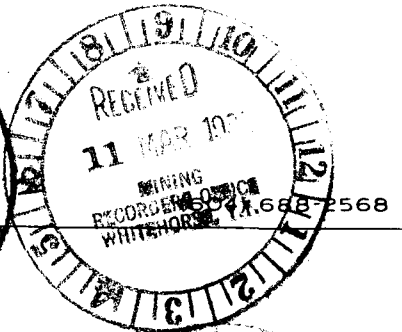
ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

1016-510 WEST HASTINGS STREET
VANCOUVER, B. C. V6B 1L8

09 16 17



October 17, 1984



To: J.S. Brock
R.R. Brown ✓
R.J. Cathro

From: C.A. Main

Re: Evaluation of McCrory Property - Mom Claims

The Wheaton River District, Y.T. has been attracting exploration interest lately due to development work in progress on the Mt. Skukum property of Erikson Mines Ltd. Many nearby properties, even though geologically different from the Mt. Skukum property, are being restaked and re-examined. The Carbon Hill area, which lies 11 km to the east of the Mt. Skukum occurrence, is the site of a number of these old mining ventures (Becker-Cochran, etc). The Porter Mine is situated at the west end of Carbon Hill and is covered by a number of crown grants. The principle adit on this property was over 335 m (1100 ft) in length and intersected up to 20 vein structures with antimony, zinc, silver and minor gold mineralization. The best reported assay from the Porter Mine is 5 oz/T Ag and 0.25 oz/T Au over a 20 cm width. There is no record of any production from this adit.

The ground to the north of the Porter Mine has been staked as the Pop claims. McCrory Holdings (Yukon) Ltd. subsequently staked the Mom claims to the east and south of the Porter Mine. On the Mom claims, bedrock is well exposed in

(cont...)

upper Antimony Creek and a showing was discovered consisting of a number of quartz veins. These veins are the eastern extension of the veins intersected by the Porter Mine adit, which lies 500 m to the west.

I examined the Mom property on August 18, 1984 with Bill Preston, a partner in McCrory Holdings (Yukon) Ltd. After receiving assay results a month later, I informed Ralph Brown and Terry McCrory by telephone that Archer, Cathro could not recommend acquisition of the property because of the low precious metal values. Rough field maps are attached which show the position of the property and of the showing on upper Antimony Creek.

PROPERTY

Mom 1-89 Claims (YA81767-YA81847; YA82000-YA82007)

The Mom claims adjoin the south side of the Pop claims. The correct position of the Mom claims, as determined by posts seen in the field, is shown on the attached 1:50,000 topographic map. The boundary between the Mom and Pop claims is incorrect on the claim maps.

GEOLOGY

The area of interest lies at the contact of the Coast Range Intrusions, a batholith-sized body consisting mainly of altered quartz diorite to the north and a pendant of andesitic volcanics of uncertain age to the south. The contact is a complex zone, several hundreds of metres wide, with faulting and shearing oriented roughly parallel to the strike of the contact (about 95° to 105°). Toward the intrusion, the contact zone consists of dykes of andesitic composition intruding altered granitic rock, whereas it consists of parallel granitic dykes intruding highly altered volcanics farther away. Dykes are commonly about 1 to 2 m wide but can range up to 5 m or more.

Quartz veining, commonly with colliform textures and drusy cavities, occurs along and strikes sub-parallel to this contact zone. Individual veins are highly variable. Dips are erratic but are generally about flat to 30° north. Widths can range up to 20 or 30 cm but are more commonly 1 to 2 cm. Although the veining is ubiquitous throughout the contact zone, the overall frequency is quite low and the interval between separate veins can be many metres. There is no one zone which is more intensely veined or which contains a very strong vein.

MINERALIZATION

The quartz veins seen in situ were all generally barren of sulphides although several specimens contained minor disseminated galena and pale brown sphalerite (best samples - #12772,6). Malachite and scapolite staining was seen on several specimens (12773,4). Massive stibnite, usually with quartz vein material, was found in float in the creek bed (#12777). This material has much the same character as vein material seen in the Porter Mine main adit (situated on the crown grants along strike to the west).

ASSAYS

Ten samples of various material were assayed for silver and gold and the results are attached. The sample locations are shown on the attached map.

Sample 12771 is a chip sample across a 30 cm wide in situ quartz vein that is exposed for 2 m in the west wall of upper Antimony Creek. This material is weakly malachite stained but contains no visible sulphides. This material was felt to be representative of the quartz veining in this area.

Sample 12778 is of the most highly altered volcanic material adjacent to multiple granitic dykes.

The balance of specimens, other than those mentioned above, are of typical randomly-selected quartz vein material.

The highest silver assay is 1.18 oz/T (40.5 ppm Ag) and the highest gold assay is 0.010 oz/T (343 ppb Au). Most assays are much lower.

While on the property, we were fortunate to meet the owner of the Porter Mine, a student named Brad Wilson, who assisted us in inspecting the underground workings. Four veins, some with massive stibnite, were sampled (#12783-86) and the assays are shown along with the assays from the Mom property.

SUMMARY AND RECOMMENDATIONS

The upper Antimony Creek showing on the Mom Claims consists of a complex zone of quartz veining at the contact of the Coast Range Intrusions and an andesitic volcanic pendant of uncertain age. The incidence of quartz veining is quite low. There is no zone of intense veining.

All the veins seen are eastern extensions of a vein system that has been well investigated by underground workings at the Porter Mine, some 500 m to the west.

All the samples taken from the Mom property returned low values.

Although the balance of the property may have some exploration potential, and the claim group is well situated for any promotional activity generated by gold exploration in the Wheaton River district, the showings on upper Antimony Creek do not warrant further work and the property should not be acquired.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



Charles A. Main.

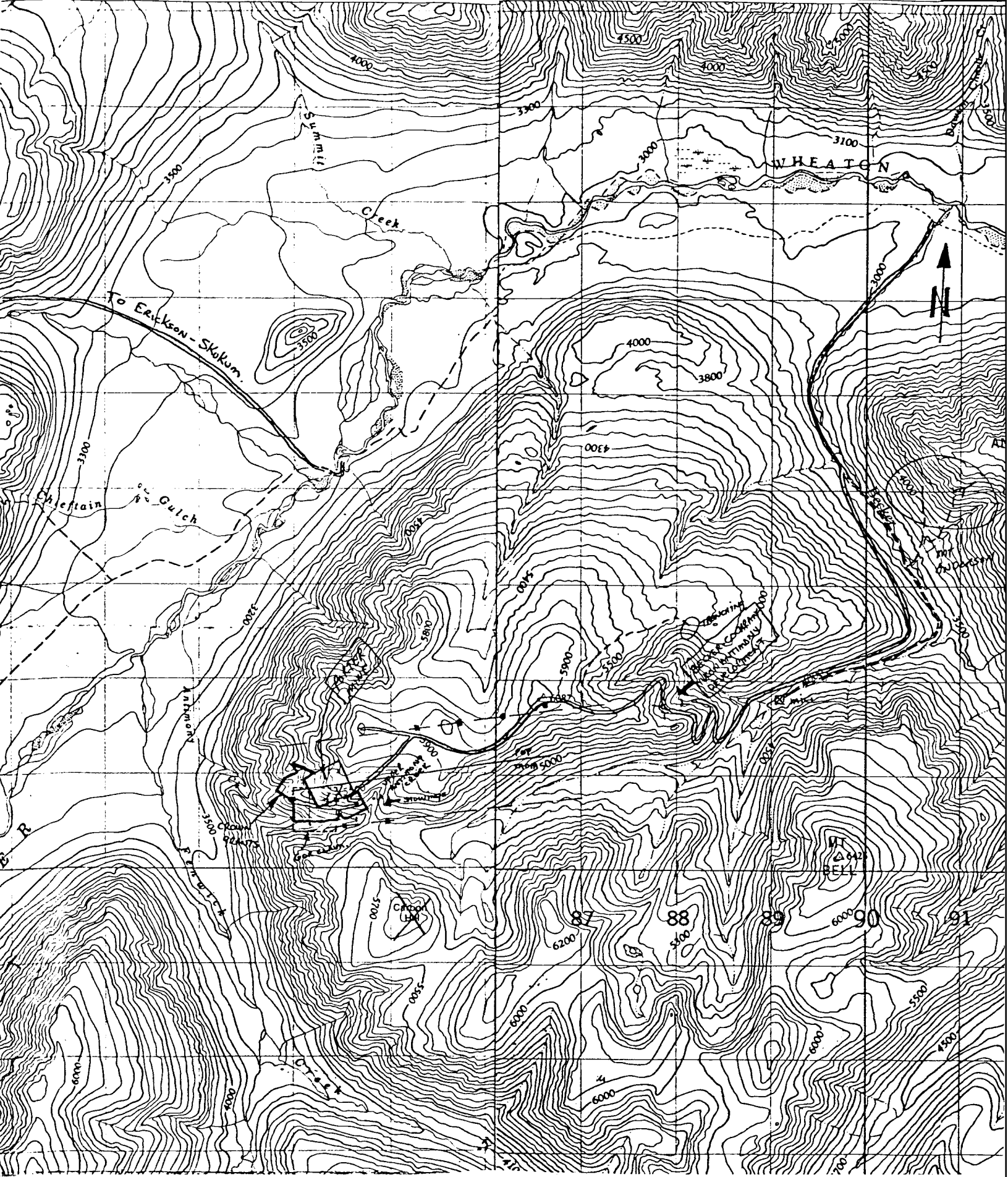
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CARTE PROVISOIRE

105 D/3W

EDITION 1

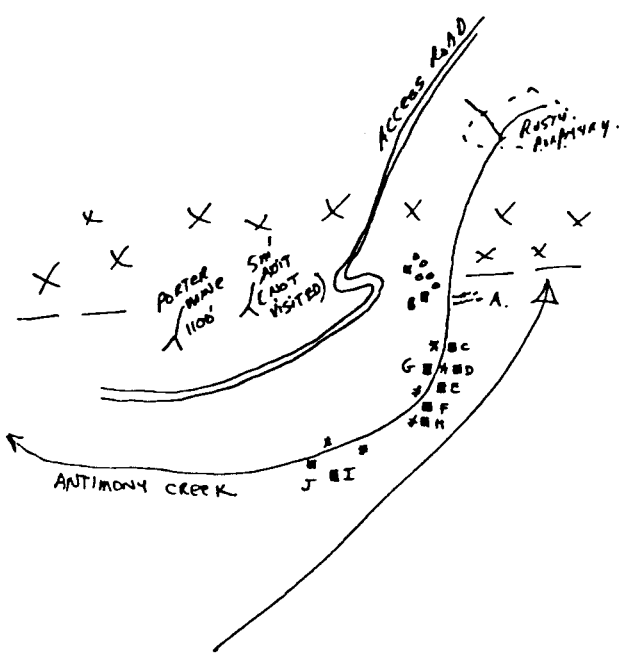
20' 135°15' 88 89 90 10' 91



Project <i>1051</i>	NTS <i>1051</i>	Scale	Page of	Traverse Site <i>EU 2</i>
Sampler <i>1051</i>	Location, Target (words) <i>ANTIMONY CREEK (Porter Mine)</i>		Sample Nos <i>12771</i>	
Date <i>Aug 18/84</i>	photo no.		Cert. Nos	

ATTITUDES *10040 N*
 SANDSTONE SILTSTONE
 CONGLOMERATE
 VOLCANIC
 SPECIMEN SITE A, B, ...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS
 CHERT
 SHALE
 LIMESTONE DOLOMITE
 INTRUSIVE
 SILT X SOIL
 ROCK
 PAN
 WATER
 O
 DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED --- INFERRED --- ASSUMED...

Location *1100m 1-25 of up E1767-E1847; 42 E1000 2207*
owned by McKean Holdings - Terry, Willem, Bill Prosser
Travelled to the property with Bill Prosser



- A. 12" quartz vein @ 105°, exposed for 2 m in creek bank # 12771
No sulphides.
- B. TRAIL of malachite stained qtz vein. Bill found minor galena specks in several pieces. 12772
- C 12773
- D 12774
- E 12775
- F 12776.
- G. massive stilbite vein, up to 20 cm in width. 12777
- H. intensely altered volcanics with abundant qtz veining 12778
- I. QUARTZ vein float, 12779
- J. calc schistes in vein? 12780

NOMINAL CONTACT OF MAINLY 'GRANITE' (Altered gneiss) to north with altered andesite to south.

Contact is complex zone, some several hundred feet wide with common faulting and shearing @ 95-105° with alternate 'granite' dikes into altered andesites and intermediate dikes into altered 'granite'.

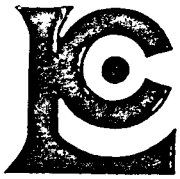
Narrow irate quartz veining is common, ranging up to 12" (see A above) but usually 1-2 cm. Veins generally along strike (usually ± 100°), dip veins as well but commonly flat to 30°.

Note: No sulphides seen in quartz veins although B (above) contains malachite (quite common in hillside float near Porter mine) - # 12772

Other samples of qtz veins - often colloform to lacy cavities and scapolite staining are 12773, 12774, 75, 76. 12776 - contains minor pyrite or sphalerite.

Massive stilbite vein float is common below a certain elevation (± 5000'). Float extends some several hundred metres (and may continue) but is possibly from a number of sources. - 12777.

ASSAY:
 GEOCHEM: Cu Mo Pb Zn U W



Vancouver

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Telephone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ASSAY

TO : ARCHER CATHRO & ASSOC. (1981) LTD.

1016 - 510 W. HASTINGS ST.
VANCOUVER, B.C.
V6B 1L8

CERT. # : A8415379-001-A
INVOICE # : I8415379
DATE : 3-SEP-84
P.O. # : NONE
PORTER *Rmc*

Sample description	Prep code	Ag FA oz/T	Au FA oz/T				
12771	207	0.01	0.006	--	--	--	--
12772	207	0.22	0.003	--	--	--	--
12773	207	0.01	<0.003	--	--	--	--
12774	207	0.01	<0.003	--	--	--	--
12775	207	0.02	<0.003	--	--	--	--
12776	207	1.18	0.008	--	--	--	--
12777	207	0.43	0.010	--	--	--	--
12778	207	0.02	0.006	--	--	--	--
12779	207	0.01	<0.003	--	--	--	--
12780	207	0.01	<0.003	--	--	--	--
12781	207	0.01	<0.003	--	--	--	--
12782	207	0.01	0.008	--	--	--	--
12783	207	0.01	0.003	--	--	--	--
12784	207	0.08	<0.003	--	--	--	--
12785	207	15.30	0.048	--	--	--	--
12786	207	1.54	0.010	--	--	--	--

B. Swartz

.....
Registered Assayer, Province of British Columbia



Property Name: Common PORTER Other Fleming, Empire
Location: Lat. 60°11' Long. 135°17' NTS 105D/3
Metals: Major Antimony, Silver, Gold Minor Zinc, Lead, Copper, Barite
Type of Mineral Deposit: Vein

History and Previous Work:

Originally staked in June/1898 by F. Corwill and T. Kernan as the Kernan and Corwill cl (350) which were recorded in Dawson in Aug/1898. Some trenching was done before the property was restaked in Aug/1906 by H.E. Porter as the Porter, Empire and Excelsior claims. By 1915, about 1100 ft of drifting had been completed. By 1940, the portal of the main adit was buried by talus. Three of the original claims are still in good standing.

Restaked as Empire claims about 1941 by J. Cox & W. McAlister, who cleaned out the old workings. Restaked as Grizzly, etc cl (73561) by Prospectors Airways in June/58.

Restaked as Lin and Lum cl (90271) in June/64 by Yukon Antimony Corp L, which performed sampling and bulldozer trenching in 1965 and 1966. The property was optioned to National Lead CL from June to Sept/70. In Feb/71, Yukon Antimony was merged into International Mariner Res L.

Restaked as Diane cl (YA7922) in Aug/76 by Con-Am Res L, which explored with an EM survey in 1976 and 10 holes (2203 ft) in 1977 and added Ant cl (YA18570) to the northwest in June/77.

** B. Wilson tied on GOR cl (YA78391) onto the three Crown Grants in Sept/83 and J. Trace tied on Pop cl (YA81476) in Mar/84.

Description:

Between 15 and 20 narrow veinlets have been found. These usually occur in granitic rocks but occasionally cut andesite roof pendants (unit A). Individual showings are sporadic and consist of pockets of sulphides in quartz-biotite gangue. Both antimony and silver-rich assemblages occur. Stibnite and sphalerite are the most abundant minerals but lesser amounts of galena, tetrahedrite, zinkerite, chalcostibite, pligionite and covellite are also present.

The strongest showing (Porter), to the south, was explored underground and reportedly assayed about 20% Sb and less than 5 oz/ton Ag, 5% Pb and 0.25 oz/ton Au across widths of 7 to 20 cm and over short lengths. The north showing (Empire), which is apparently the original discovery, was explored with trenching only.

** The best intersection from the 1977 drilling was 8.2% Sb and 2.0% Zn across 0.4 m.

References:

Sum. Rept. 1909, p.54; 1915, pp.47-48

M 31, 1912, pp.126-128

M234, pp.37-38; M 312, 1959, p.133

"The Antimony Deposits of Carbon Hill" by R.B. Lortie, unpub. Geology 409 Report, U.B.C., Apr/68

MIR, 1976, pp.149-150; 1977, p.60

ER, Apr/76 by F. Holcapek for Con-Am Res L - FFAC

INVOICE TO:

McCARRY Holdings (Yukon) Ltd.

307 Jarvis St.

Whitehorse, Yukon

YTA 2H3



TRANS-CANADA
HELICOPTERS LTD.

Hangar #3, Municipal Airport
Edmonton, Alberta T5G 2Z3
Tel.: (403) 471-1446
Telex 037-43360

DATE June 6, 1984

REF.: PERIOD INVOICE NO. 2555

DESCRIPTION				TOTAL
DATE	FLIGHT NO	HRS FLOWN	AIRCRAFT	
05-30-84	4372	1.4	C-FHTV	
1.4 hrs. @ \$450.00 pr hr.				\$ 630.00
Plus Fuel				\$ 85.75
Plus Oil @ \$2.60 per hr.				\$ 3.64
				<u>\$ 719.39</u>

paid

CONDITIONS CASH UPON RECEIPT. INTEREST OF 2% PER MONTH (24% PER YEAR) WILL BE CHARGED ON ALL ACCOUNTS OVER 30 DAYS

FLIGHT REPORT

AIRCRAFT No. **HTV**



TRANS-CANADA
HELICOPTERS LTD.

FLIGHT No.
4372

CONTRACTOR: **McCoy**
ADDRESS: **307 Jarvis St. W.H. 4 km**
DATE: **May 30/84**

Y1A 2H3
CONTRACT NUMBER

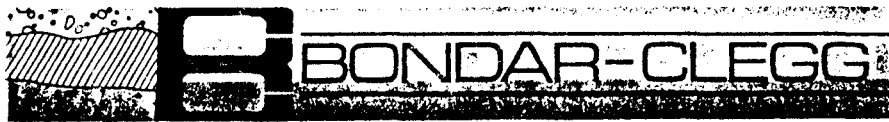
Hangar # 3, Municipal Airport
Edmonton, Alberta T5G 2Z3
Tel.: (403) 471-1446

Flight number	Route		Flight Time				Pay load			Flight authorized by		
	From	To	Dep.		Arr.		Total		Pass.		Cargo	Total
			h	mn	h	mn	h	mn				
1	Whitehorse	Carbon Hill	3	52	5	50	1	24				B. Fustera
TOTAL			1		24		TOTAL					

Passenger's name				
Flight # 1	Flight # 2	Flight # 3	Flight # 4	Flight # 5
Flight # 6	Flight # 7	Crews expenses		
		Note.		
		1.4 hrs at 450/hr - 630.00		
		1.4 hrs oil at 260/hr 3.64		
		1.4 hrs fuel at 245/gl. 85.75		
		35gl \$ 719.39		

Refueling			Fuel supplied by:
Station	JP-4	Oil	
	35		TCH
Weather:	W/WV	To	Mph
Remarks:			
Minimum hours:			

Pilot's signature: *[Signature]*



CLIENT: MCCRORY HOLDINGS YUKON LTD.

REPORT NUMBER: BV124-2328

GEOLOGIST: T MCCRORY

GEOLOGIST ,

PROJECT: NONE GIVEN

NUMBER OF SAMPLES: 31

PRIORITY: N

DATE: 22-AUG-84

SEE APPENDIX FOR EXPLANATION OF DIGESTION, ANALYSIS, SAMPLE TYPE, AND SIEVE SIZE CODES.

DIGESTION / ANALYSIS CODE EC# / SAMPLE NUMBER/ T/ S	ELEMENT	AG J/1 PPM	AU F/1 PPB	WT/AU / GM
001 44-186-LIM-01 D 1		0.4	40	7.00
002 44-186-LIM-02 D 1		0.3	L 5	6.00
003 44-186-LIM-03 D 1		L0.2	5	12.00
004 44-186-LIM-04 D 1		0.8	10	7.50
005 44-186-LIM-05 D 1		0.2	L 5	10.00
006 44-186-LIM-06 D 1		L0.2	L 5	10.00
007 44-186-LIM-07 D 1		0.2	L 5	7.00
008 44-186-LIM-08 D 1		L0.2	L 5	8.00
009 44-186-LIM-09 D 1		0.2	L 5	16.00
010 44-186-LIM-10 D 1		0.3	L 5	11.00
011 44-186-LIM-11 D 1		0.2	L 5	
012 44-186-LIM-12 D 1		0.3	L 5	14.00
013 44-186-LIM-13 D 1		L0.2	L 5	13.00
014 44-186-8109 R 7		0.6	10	
015 44-186-8110 R 7		0.6	20	
016 44-186-8111 R 7		L0.2	10	
017 44-186-8112 R 7			15	
018 44-186-8113 R 7			L 5	
019 44-186-8114 R 7			20	
020 44-186-8115 R 7		0.4	5	
021 44-186-8116 R 7		G 50.0	20	
022 44-186-8117 R 7		15.0	15	
023 44-186-8118 R 7			15	
024 44-186-8119 R 7			5	
025 44-186-8120 R 7			L 5	
026 44-186-8121 R 7		0.7	10	
027 44-186-8122 R 7			65	
028 44-186-8123 R 7		0.3	L 5	
029 44-186-8124 R 7		G 50.0	680	
030 44-186-8125 R 7		2.8	10	
031 44-186-8126 R 7		4.6	5	

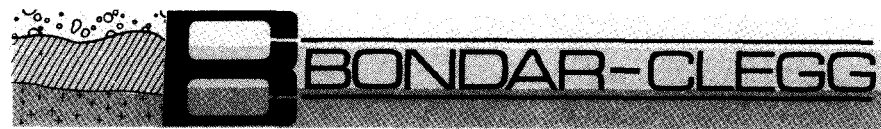
WHSE 44-186

ASSAY OF HIGH AG TO FOLLOW ON 624-2328.

VALUES IN AU WEIGHT COLUMN ARE -20 FRACTION

WT SIGNIFIES WEIGHT OF SAMPLE USED FOR ANALYSIS OF AU PT OR PD.

Bondar-Clegg & Company Ltd.
 5420 Canotec Road
 Ottawa, Ontario
 Canada K1C 0Z3
 Phone (613) 237-3110
 Telex 803449



McCRODY HOLDINGS YUKON LTD.
 McCRODY HOLDINGS LTD.
 104-307 JARVIS STREET
 WHITEHORSE, YUKON
 Y1A 2H3

Invoice# 10756
 Date# June 26, 1984
 Report No# 424-1226
 Project# NONE GIVEN

More claims

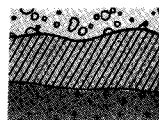
4 Analyses of Lead	at	6.00	24.00	
3 Analyses of Zinc	at	6.00	18.00	
			42.00	42.00
Subtotal				
6 Analyses of Silver	at	7.50	45.00	
3 Analyses of GOLD - FIRE ASSAY	at	3.00	9.00	
			54.00	54.00
Subtotal				
1 Analysis of IIR	at		8.50	
			8.50	8.50
Subtotal				
Sample Preparation				
5 Samples of ASSAY PREP	at	3.25	19.50	
			19.50	19.50
Subtotal				
Invoice Total				124.00

***** PLEASE REMIT TO NEW ADDRESS: BONDAR-CLEGG & COMPANY LTD. *****

**THIS IS A PROFESSIONAL SERVICE
 ACCOUNTS DUE WHEN RENDERED**

5420 CANOTEC ROAD
 OTTAWA, ONTARIO
 CANADA, K1C 0Z3

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ontario,
Canada K1J 8X5
Phone: (613) 749-2220
Telex: 053-3233



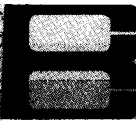
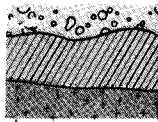
BONDAR-CLEGG

MCCROBY HOLDINGS YUKON LTD.
MCCROBY HOLDINGS LTD.
104-907 JARVIS STREET
WHITEHORSE, YUKON
Y1A 2H3

Invoice: 12326
Date: August 22, 1984
Report No: 124-2328
Project: NONE GIVEN
WHSE 44-186

24 Analyses of Silver	at	1.95	46.80	
Subtotal			46.80	46.80
31 Analyses of Gold - Fire Assay	at	6.50	201.50	
Subtotal			201.50	201.50
Sample Preparation				
19 Samples of CRUSH, PULVERIZE -100	at	3.00	54.00	
13 Samples of DRY, SIEVE -80	at	0.80	10.40	
Subtotal			64.40	64.40
Invoice Total				2812.70

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED



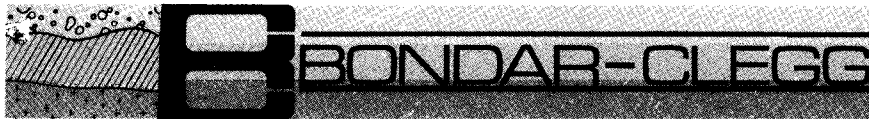
McCRORY HOLDINGS YUKON LTD.
 McCRORY HOLDINGS LTD.
 104-307 JARVIS STREET
 WHITEHORSE, YUKON
 Y1A 2H3

Invoice: 12557
 Date: August 29, 1984
 Report No: 124-2605
 Project: NONE GIVEN
 WHSE 44-244

4 Analyses of Silver	at	1.95	7.80	
1 Analysis of Lead	at		1.00	
1 Analysis of Zinc	at		1.00	
Subtotal			9.80	9.80
5 Analyses of Gold - Fire Assay	at	6.50	32.50	
Subtotal			32.50	32.50
Sample Preparation				
5 Samples of CRUSH, PULVERIZE -100	at	3.00	15.00	
Subtotal			15.00	15.00
Invoice Total				\$57.30

Bondar-Clegg Company Ltd.

5420 Coteak N.
Ottawa, Ontario,
Canada K1J 8X5
Phone: (613) 749-2220
Telex: 053-3233



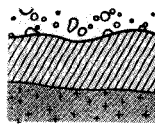
McCRORY HOLDINGS YUKON LTD.
McCRORY HOLDINGS LTD.
104-307 JARVIS STREET
WHITEHORSE, YUKON
Y1A 2H3

Invoice: 12708
Date: August 31, 1984
Report No: 624-2605
Project: NONE GIVEN
WHSE 44-244

1 Analysis of Lead	at	6.00	
1 Analysis of Zinc	at	6.00	
Subtotal		12.00	12.00
2 Analyses of Silver	at 7.50	15.00	
Subtotal		15.00	15.00
Invoice Total			427.00

★★ FINAL INVOICE ★★

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

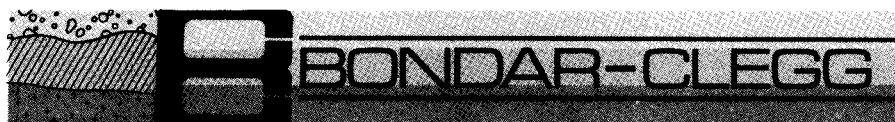


REPORT: 124-2605

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	Au PPB	NOTES
R GORD #1		> 10000	> 20000	> 50.0	65	
R MDA 2				45.0	100	
R MDA 3					<5	
R MDA 4			>	50.0	40	
R MDA 7				20.0	15	



REPORT: 424-1226

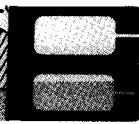
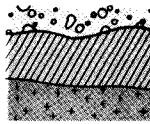
FROM: McCrory Holdings Ltd.
DATE: 27-JUN-84 PROJECT: NONE GIVEN

SUBMITTED BY: UNKNOWN

ORDER	ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
01	Au	.002 OPT			-150	VARIOUS SAMPLE T	ASSAY PREP
02	Ag	.02 OPT			-150		
03	Pb	.01 PCT			-150		
04	Zn	.01 PCT			-150		
05	Sn	.01 PCT			-150		

REPORT COPIES TO: McCRORY HOLDINGS LTD.

INVOICE TO: McCRORY HOLDINGS LTD.



CLIENT: MCCROY HOLDINGS YUKON LTD.

REPORT NUMBER: BV424-2426

GEOLOGIST: BCC WHSE

AGEOLOGIST :

PROJECT: NONE GIVEN

NUMBER OF SAMPLES: 1

PRIORITY: 0

DATE: 23-AUG-84

SEE APPENDIX FOR EXPLANATION OF DIGESTION, ANALYSIS, SAMPLE TYPE, AND SIEVE SIZE CODES.

ELEMENT	AU	AG	CU
DIGESTION / ANALYSIS CODE	/	/	/
REC# /SAMPLE NUMBER/ T/ S	OPT	OPT	PCT

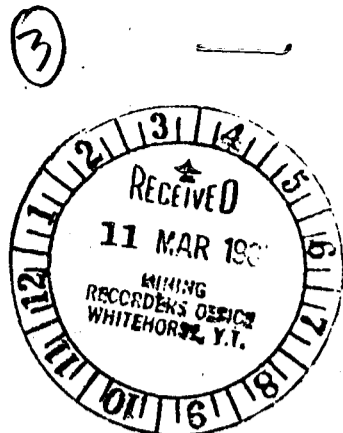
0001 SKR	R 7	0.002	0.61	1.53
BCC WHSE 44-213				

---END---



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
YUKON QUARTZ MINING ACT
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

091617



(This form required in duplicate with sketch showing location of work.)

I (Name) Terry McCrory	Occupation Staker
(Postal Address) #104 - 307 Jarvis Street, Whitehorse, Yukon Y1A 2H3	

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

Mom 1-10 YA81767 - YA81776
15-44 YA81781 - YA81810
47-84 YA81813 - YA81847
87-89 YA82000 - YA82007.

situated at Mt. Bell, Wheaton River Claim Sheet No. 105 D3

in the Whitehorse Mining District, to the value of at least \$200.00

dollars, since the 32 JMC day of May 19 84 JMC

to represent the following mineral claims under the authority of Grouping Certificate No. 1980

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

YA81781	MOM	15	<i>NOV</i>	<i>Oct. 32,</i>	1985	<i>2 MC</i>
YA81783		17	"	"		
YA81785		19	"	"		
YA81813		47	"	"		

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

July 23/84 to July 29 /84 - 3 men @ \$250.00 per man day x 6 days =	\$4500.00
Prospecting M. McCrory, T. McCrory, B. Preston	
Trucks Camp equipment, assaying, etc. =	1000.00
July 25/84 Glen MacDonald Property Exam & Report =	900.00
Bill Preston and Lou Eccles - <i>May 30/84 JMC</i>	
Property Exam, Helicopter, wages, etc. =	1000.00
Bill Preston & Sandy Main Property Exam - August 18, 1984 =	600.00
Report from Glen MacDonald to follow.	
TOTAL	\$7100.00

Sworn before me at Whitehorse
this 11 day of March 19 85

[Signature]
Notary Public

[Signature]
Owner or Authorized Agent