ARCHER, CATHRO
& ASSOCIATES (1981) LIMITED
CONSULTING GEOLOGICAL ENGINEERS

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

(604) 688-2568

HAND TRENCHING AND SAMPLING PROGRAM

Hidden 5 Claim - YA23429

Latitude 61°26'N, Longitude 133°22'W, 105F/6

Whitehorse Mining District

Work done between August 9 and August 15, 1984

for

CUB JOINT VENTURE

091582

C.A. Main, B.Sc.

October 15, 1984

BOX 4127, 3125 THIRD AVENUE, WHITEHORSE, Y. T. Y1A 3S9

(403) 667-4415

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 $ 13,907.04.

D D Emond

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

TABLE OF CONTENTS

TABLES

FIGURES IN POCKET

PHOTOGRAPHS

CONCLUSIONS AND RECOMMENDATIONS

The Hidden property was discovered and staked in 1978 by CUB Joint Venture (Umetco Minerals, Brinco Mining Limited and Highland-Crow Resources Ltd). The discovery showing consisted of skarn that averaged 1.32% WO_3 over a minimum of 1.5 m. Diamond drilling the next year failed to intersect similar mineralization. Soil sampling surveys conducted in 1978 and 1979 located two large areas on the Hidden property where soils contained over 2,000 grains of scheelite per panning sample. Only minor, weakly altered and mineralized skarn float had been found in these areas and it was insufficient to explain the anomalies.

During August, 1984, three trenches were blasted and sampled within the largest of the anomalous areas and a night lamping survey was performed nearby.

Two types of scheelite mineralization were found:

(a) in fractures and thin quartz veins that are common within a 500 m wide zone bounded and cut by strong north-trending normal faults. The intensity of fracturing varies but appears to be best developed adjacent to the fault structures. The overall grade of tungsten due to this type of mineralization is quite low, probably less than 0.1% WO_3, but the geological potential is large, possibly over 50 million tonnes; and,

(b) in skarn horizons developed in the host sediments within the fracture zone mentioned above. Individual skarn zones assay well. For example, the zone found in trench 84-1 averaged 0.4% WO_3 over widths of greater than 1.0 m. Higher grade patches also occur; for example, float from Trench 84-2 graded up to 2.8% WO_3, and a zone exposed in Trench 84-3 assayed up to 0.79% WO_3.

The economic potential of this deposit depends on either locating a mineable skarn zone or in finding sufficient small skarn zones within the stockwork zone to raise its average grade to the point where it becomes a bulk mining target. The surface extent of the scheelite soil anomalies and the presence of mineralized skarn in three random hand trenches are encouraging for the latter possibility.

Further exploration should be scheduled on this target as soon as economic conditions permit. Bulldozer trenches should be cut across anomalies to locate the skarn mineralization and to assess its extent. More sampling is needed to determine the average grade. A minimal bulldozing program would cost $75,000, of which at least $20,000 would be used to construct a rough 4 x 4 access road to the property.

The hand trenches also tested soil profiles, which were assayed and found to average 0.088% WO_3. If they are representative of the overall grade, they indicate an interesting alluvial reserve that might be mineable with placer techniques. An excavator would be needed to cut deep trenches to evaluate these deposits. A small placer test plant would have to be established to assess the grade of the overburden and the character of the concentrate. A minimal excavator program would cost $45,000 (including the test plant) or perhaps $30,000 if it runs concurrently with the bulldozer program.

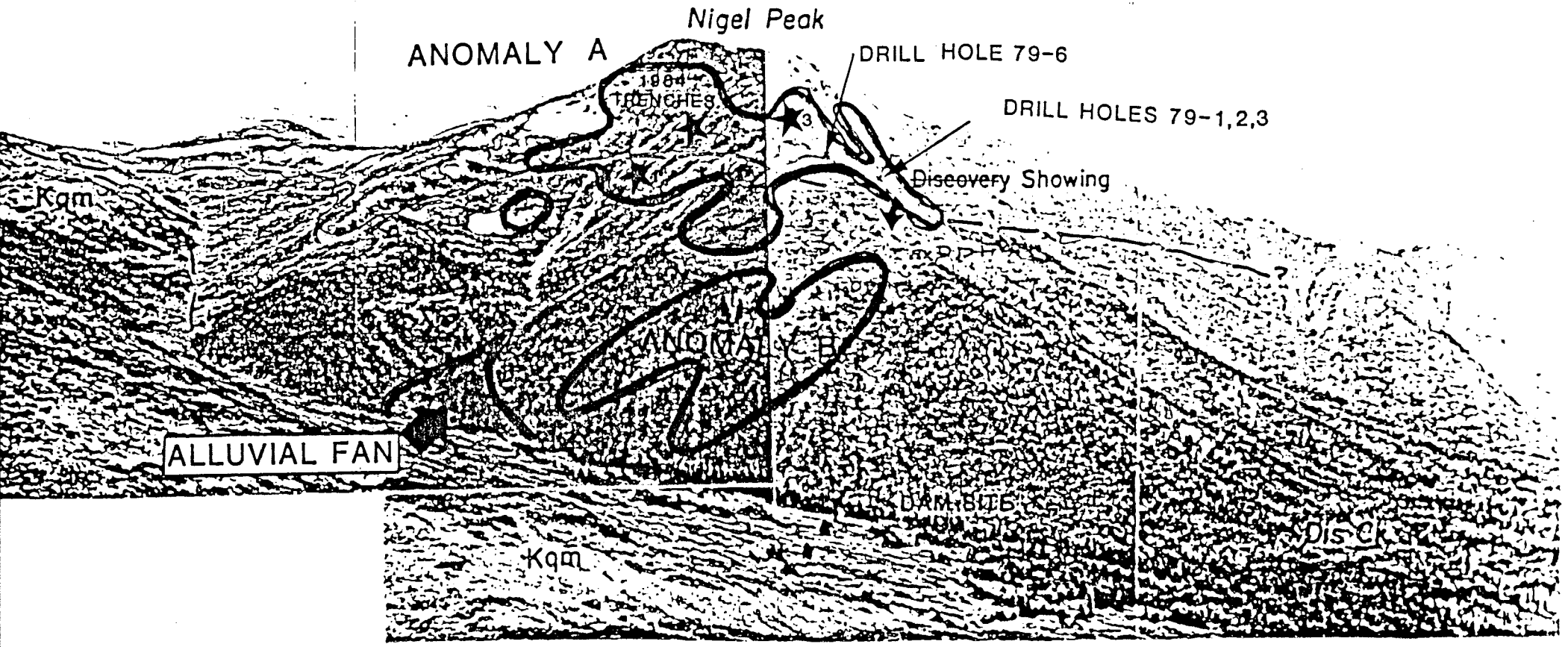
Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Charles A. Main

/mc

Charles A. Main.



Photograph 1 - Hidden Property, Looking South.

- From 1978 Final Report

INTRODUCTION

The Hidden property was discovered and staked in 1978 by CUB Joint Venture (Umetco Minerals [formerly Union Carbide Canada Limited], Brinco Mining Limited [formerly Cassiar Asbestos Corporation], and Highland-Crow Resources Ltd. [an affiliate of Teck Corporation]) while investigating anomalous stream panning values obtained by Union Carbide in an earlier survey. The discovery showing consisted of two outcrops of garnet-diopside-pyrrhotite skarn that assayed an average of 1.32% WO_3 over a minimum of 1.5 m. Field mapping and proton magnetic, VLF-EM, soil panning and geochemical surveys were conducted that year. In 1979, eight diamond drill holes failed to intersect similar mineralization and it was concluded that the discovery showing was either transported to its present site by a landslide or had been cut off at a shallow depth by faulting. Continued soil panning and geochemical surveys later in the year discovered that the soil anomaly over the discovery outcrop is the fringe of a much larger anomaly that extends uphill to the south and east. In 1981, the strongest part of this anomaly was covered by a proton magnetometer survey and a petrological study investigated the rock types.

The 1984 program consisted of hand trenching within the anomaly to search for mineralization and to examine soil profiles of the scheelite-rich overburden. The anomalous area was inspected by an ultraviolet night lamping survey to search for scheelite-bearing float.

PROPERTY, LOCATION AND ACCESS

After the lapsing of 96 Hidden claims on December 1, 1984, the Hidden property will consist of 40 contiguous Yukon mineral claims recorded in the name of Archer, Cathro & Associates (1981) Limited at the Whitehorse Mining Recorder's office as follows:

CLAIM NAME	NO. OF CLAIMS	RECORDING NUMBERS	EXPIRY DATE
Hidden 1- 8	8	YA23425-YA23432	1 March, 1988*
13- 16	4	YA23437-YA23440	1 March, 1988*
25- 28	4	YA23449-YA23452	1 March, 1988*
67- 82	16	YA24275-YA24290	1 March, 1988*
143-146	4	YA24351-YA24354	1 March, 1988*
166-169	4	YA24374-YA24377	1 March, 1988*
	40		

* after application of the 1984 work for assessment credit.

The Hidden property is situated in central Yukon at 61°26'N and 133°22'W within claim map 105F/6 and lies 15 km west of the Canol Highway and 150 km northeast of Whitehorse. Access in 1984 was by helicopter from Whitehorse.

GEOMORPHOLOGY

The Hidden property lies between the Big Salmon River on the west and the Caribou River on the east. Terrain is steep but not rugged, ranging from ridge tops at the 1650 m elevation to the broad Big Salmon Valley at less than 1000 m. Vegetation is thick below treeline at 1500 m elevation. The 1984 program was centered on the north side of Nigel Peak, where slopes are often quite steep.

GEOLOGY

No new mapping was undertaken during this program and the geology shown on Figure 1 in pocket, and on the Table of Formations on the following page, was determined during previous programs in 1979 and 1981. The following description of rock units is derived from that work.

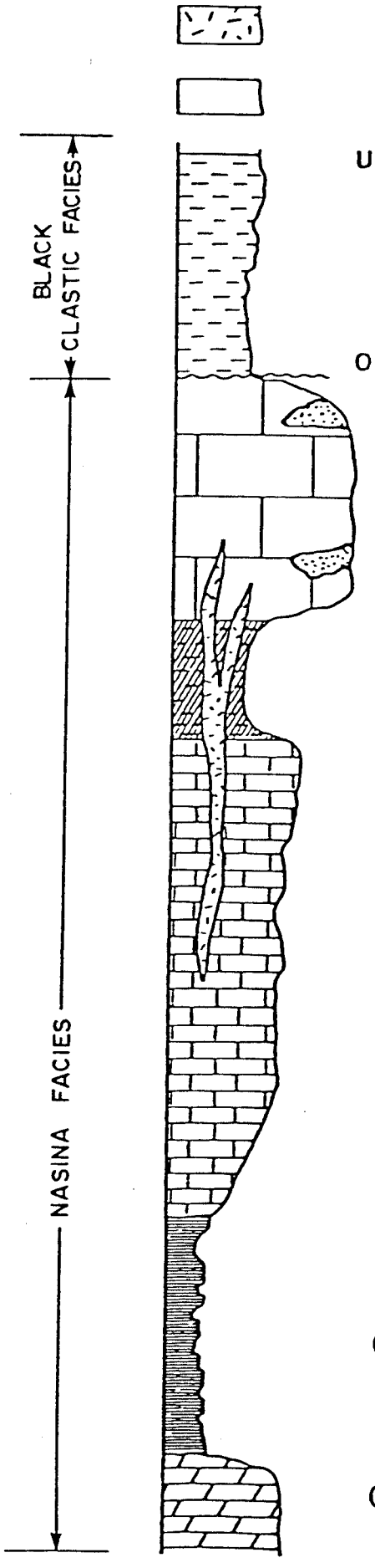
Sedimentary Rocks

The Hidden scheelite occurrences are underlain by a sedimentary sequence of Paleozoic age that has been metamorphosed to upper amphibolite facies. Although these rocks consist of calc-silicate assemblages and it is not completely correct to describe them as "sediments", field relationships and textures suggest that this is their probable origin. Rocks described as shales, limestones or quartzites have proportionately high clay, carbonate or silica contents. These rocks belong to the Nasina Series (Unit OSDqc) or the Black Clastic Group (Unit uDMs).

The property is situated at the western margin of Pelly Cassiar Platform and the Nasina Series is the westward, outboard, deeper water equivalent of the thick, shallow-water, platform carbonate rocks that define Pelly Cassiar Platform. The Black Clastic Group overlies the Nasina Series. On the Hidden property, the Nasina Series consists of beds of dolomite and limestone that are complexly interfingered with clastic rocks. The sequence is over 1200 m thick and has been tentatively subdivided into six map units, which are summarized below in order of decreasing age.

TABLE I

TABLE OF FORMATIONS, HIDDEN PROPERTY



CRETACEOUS and/or TERTIARY

KTfp — Dacite porphyry dikes – dark brown, with vesicles and calcite-filled amygdules

Kqm — Nisutlin Batholith – quartz monzonite

UPPER DEVONIAN and MISSISSIPPIAN

uDMs — Slate – Minor Siltstone - black, non-calcareous

ORDOVICIAN, SILURIAN and DEVONIAN

Sq — Massive grey quartzite

Sd — Sandy Dolomite – massive, light grey and tremolite-diopside skarn

OSs ? — Slate, black, graptolitic, weathers rusty

OSDqc — Limestone, light grey, "wavy banded", pellet texture, with interbedded green-grey silty shale

OSsl — Graphitic Limestone and black calcareous shale

OSc — Banded Dolomite - white, massive, with thin black bands

UNIT	THICKNESS	DESCRIPTION
Sq	lenses	massive grey quartzite found within Unit Sd
Sd	300 m	massive light grey sandy dolomite
OSs	100 m	recessive, rusty weathering, black, non-calcareous slate
OSDqc	500 m	grey-green silty shale interbedded with black graphitic shale and distinctive, thinly laminated silty limestone
OSsl	200 m	recessive, black, graphitic calcareous slate and minor grey fetid limestone
OSc	+ 100 m	massive white dolomite with thick black bands, exposed only in drill core and in a few outcrops near the Hidden discovery showing

Rocks of the Black Clastic Group (Unit uDMs) consist of black, graphitic, non-calcareous, siliceous slate. These rocks lie west of the Nigel Peak area and are separated from the Nasina Series by a major fault.

Intrusive Rocks

Porphyritic granodiorite or quartz monzonite of the Nisutlin Batholith (Unit Kqm) underlies the northern margins of the property. The batholith appears to have sharp contacts that dip steeply southward.

Two north-trending, dark brown, feldspar porphyry dykes (Unit KTfp) occur on the north side of Nigel Peak. They are up to 10 m wide, contain vesicles and calcite filled amygdules, and strike parallel to strong faults that cut the mineralized zones.

On the south side of Nigel Peak, a small body of quartz-biotite-feldspar porphyry is exposed in an area that has not been well explored. The relationship of this intrusion to the dykes on the north side of Nigel Peak is unknown.

Structure

At least four, strong, north-trending faults cut across the property in a zone extending in width from the discovery showing on the west to Nigel Peak on the east (see Figure 1 in pocket). Within this 500 m wide zone, the dominant structural elements appear to be normal faults that vary in character from major structures with up to 1000 m of displacement to zones of pervasive shattering with little movement that have acted as permeable channelways for mineralizing fluids. These shattered zones consist of stockworks of dry fractures and quartz-filled veinlets ranging up to several centimeters thick.

The major faults can be traced by the discontinuity of rock units, however the direction and magnitude of fault movement is difficult to gauge due to the similarity of different map units. More detailed mapping is needed to completely understand the structural setting.

Some of these faults offset the contact of the Nisutlin Batholith and, hence, they postdate the emplacement of the granodiorite.

TRENCHING

Three trenches were blasted by hand in 1984. The sites were chosen randomly from 30 or so soil sample locations with 15,000 grains or more of scheelite.

TRENCH	LOCATION		SIZE (m)	COMMENTS
84-1	122.50W	106.75N	22 x 2 x 2	Weakly mineralized skarn in bedrock
84-2	122.50W	105.75N	8 x 2 x 2	Moderately mineralized skarn in float
84-3	124.00W	106.00N	3 x 2 x 2	Weakly mineralized skarn in float

Only Trench 84-1 reached bedrock. Two intervals were exposed totalling about 4 or 5 metres in length. Most of this bedrock consisted of a finely laminated grey-green siliceous skarn with dark grey layers containing very finely disseminated scheelite. The original rock was probably sandy dolomite of Unit Sd. The maximum width of exposure was about 1.0 m but it extends down section to the north and is possibly open to the south. Samples weighing one to two kg were taken about 1.0 m apart with a hammer and moil across the width of the mineralized bed. Assays are shown below.

SAMPLE NUMBER	GRADE (% WO_3)	SAMPLE INTERVAL
N5991	0.125	0.6 m
N5992	0.450	0.4 m
N5993	0.341	1.0 m
N5994	0.383	0.7 m

Random specimens of float found in this trench were also mineralized.

SAMPLE NUMBER	GRADE (%WO_3)
N5989	0.456
N5990	0.532

No bedrock was exposed in Trench 84-2 or 84-3 but mineralized float was found in both trenches.

TRENCH 84-2

SAMPLE NUMBER	GRADE (%WO_3)
N5997	2.800
N5998	0.469
N5999	0.339
N6000	1.440

TRENCH 84-3

SAMPLE NUMBER	GRADE ($\%WO_3$)
N5995	0.792
N5996	0.364

The source of this mineralization has not been determined.

Soil Analysis

Two soil profiles were studied in Trench 84-1 and one profile in each of the other trenches. Soil was taken from different depths on the trench walls and then panned and analyzed. No attempt was made to count the scheelite grains in the panning samples and the intent of panning was to simply verify that the samples contained over 2,000 grains and to observe the variability of grain size.

Samples were taken .15 m below surface (equivalent to a sample dug from surface by mattock) and from .15 m above the bedrock or talus surface. When the trench wall was deeper than 1.0 m, an additional sample was taken midway between the two other samples.

SAMPLE LOCATION	COORDINATES	DEPTH (m)	ASSAY ($\%WO_3$)
84-1 - Profile A (east end)	122.50W 106.75N	0.15	0.067
	122.50W 106.75N	0.85	0.076
84-1 - Profile B (west end)	122.50W 106.75N	0.15	0.056
	122.50W 106.75N	1.00	0.043
	122.50W 106.75N	1.85	0.057
84-2	122.50W 105.75N	0.15	0.090
	122.50W 105.75N	0.75	0.197
	122.50W 105.75N	1.35	0.134
84-3	124.00W 106.00N	0.15	0.073
	124.00W 106.00N	1.00	0.103

(depth to bedrock in Trench 84-3 unknown)

The following table shows the analysis of the soil samples taken from the 1984 soil profiles, as well as from four randomly selected soil samples collected during 1979 and assayed in 1983. The panning values shown are the number of grains counted during the 1979 survey.

SAMPLE TYPE	COORDINATES	DEPTH (m)	1979 PANNING VALUE (Grains)	ASSAY (%WO_3)
84-1 - Profile A (east end)	122.50W 106.75N	0.15	16,600	0.067
84-1 - Profile B	122.50W 106.75N	0.15	1,500	0.056
84-2	122.50W 105.75N	0.15	22,000	0.090
84-3	124.00W 106.00N	0.15	20,000	0.073
Soil	122.00W 105.50N	0.15	17,000	0.180
Soil	122.00W 104.00N	0.15	9,000	0.298
Soil	125.50W 107.50N	0.15	5,000	0.032
Soil	125.50W 106.50N	0.15	25,000	0.078

While high grain counts generally indicate at least a moderate tungsten content, a lower grain count does not preclude a good tungsten content, probably because some grains are many hundreds of times larger than others. Generally, grades at bedrock are 10 to 50% higher than grades at surface. An unweighted average grade of all soil samples taken in 1984 from the hand trenches is 0.088% WO_3, equivalent to about 1 kg tungsten metal/m^3. The average depth of the soil profiles is 1.5 m, which is also considered to be the average depth of overburden, even though Trench 84-2 bottomed in talus of unknown thickness and Trench 84-3 did not reach the bottom of the overburden.

MINERALIZATION

A - Fracture Related

Within the fault-bounded 500 m wide zone described earlier, dry fractures are often surrounded by bleached selvages up to 0.5 cm wide that occasionally contain calc-silicate minerals. Pyrrhotite is occasionally found along the fractures and is often disseminated within those host rocks with a high fracture density. The quartz veinlets are coarsely crystalline and commonly contain miarolitic cavities. Crosscutting relationships show that, in at least several instances, the quartz-filled fractures are younger than the dry fractures.

Scheelite occurs in both types of fractures but is perhaps more abundant in the quartz-rich set. It is normally coarsely crystalline, occasionally forming blebby patches up to 1 cm across. No other economic minerals were seen.

Fracture density appears to increase near the main faults and is strongest near some of the higher panning anomalies (+20,000 grains). However, all the rocks within the zone are fractured to some degree and many hundreds of mineralized samples were found by night lamping. Although some fracture faces are spectacularly mineralized, the overall grade from this source is probably much less than 0.1% WO_3. These fractures are probably the main source of the soil panning anomalies.

B - Skarn Related

Skarn mineralization is also disseminated in limy horizons within the metasedimentary sequences. These limy beds range from very thin bedded laminae (1 to 2 mm) of limy shale within quartzite to thin limestone horizons (1 to 2 cm) within quartzite or dolomite.

The mineralized bedrock intersected in Trench 84-1 is an example of the thin laminae. Previous surveys had also discovered specimens of thinly laminated and weakly mineralized skarns, as shown on Figure 1 in pocket.

The float specimens of garnet-diopside-pyrrhotite skarn found in Trench 84-2 provide the only occurrence of well mineralized skarn found on the property other than the discovery outcrop.

The location of all trenches was randomly selected and the extent of the skarn-type mineralization is unknown.

Since there are no intrusive rocks near the skarn occurrences seen at surface, it appears that this mineralization is controlled by metasomatic development along hydrothermal channelways rather than by intrusive contact relationships.

STATEMENT OF QUALIFICATIONS

I, Charles A. Main, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 1971 with a B.Sc. majoring in Geological Sciences and Chemistry.
2. I have been actively engaged as a geologist in mineral exploration since 1971 and as a partner of Archer, Cathro & Associates (1981) Limited since June 1, 1981.
3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.

Charles A. Main, B.Sc.

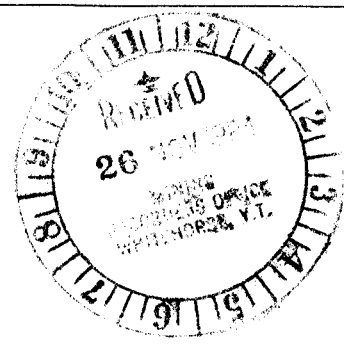
ARCHER, CATHRO
& ASSOCIATES LIMITED
CONSULTING GEOLOGICAL ENGINEERS

VANCOUVER, B.C. (604) 688-2568

BOX 4127, WHITEHORSE, Y.T. Y1A 3S9 (403) 667-4415

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

091582



AFFIDAVIT

I, Joan Mariacher, of Vancouver, B.C. make oath and say:

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the Hidden 1-8, 13-16, 25-28, 67-82, 143-146 and 166-169 mineral claims on Claim Sheet 105F/6 is accurate.

Joan Mariacher

Sworn before me at Vancouver, B.C.

this 1st day of

November, 1984

Notary, Yukon Territory

Statement of Expenditures
Hidden 1-8, 13-16, 25-28, 67-82, 143-146 and 166-169 Claims
November 1, 1984

Labour

C.A. Main (geologist) - 16 1/2 days August to October field and report preparation at $350/day		$5,775.00	
I. Talbot (senior asst) - 7 days field at $195/day		1,365.00	
R. Cathro - 1/2 day report preparation at $400/day		200.00	
M. Cooke and J. Mariacher - report preparation		440.00	$ 7,780.00

Expenses

Room and board,camp & field expenses, expediting etc.	$1,837.87		
Drafting	600.00		
Travel	1,025.20		
Explosives	375.64		
Chemex Labs	198.00		
Helicopter - Capital and Terr-Air plus fuel	2,090.33		6,127.04
			$13,907.04

In Account With

Project – CUB JOINT VENTURE

Date – – October 31, 1984

			Total
MANAGEMENT			
LABOUR			
Supervisory			
Field	C. A. Mains - working on final report -- 6 3/4 days @ 350/day		2362.50
	R. J. Cathro - 1/2 day reviewing report		200.00
Casual	plus %		
	M. Combs - 12 hrs typing & corrects final report @ $25/hr		300.00
EXPENSES			
Accounting	2 hrs D. Mainwaring	70.00	
Drafting, 18 hrs. at 30 /hr.		540.00	
Xerox copies, copies at /copy			
Petty cash			
Telephone			
		Total	

In Account With

Project – CJB JOINT VENTURE

Date – – SEPT 30, 1984

		Total
MANAGEMENT		
LABOUR		
Supervisory		
C. A. MAIN - working on final report total 1½ days @ $350/day		$525.
Field		
plus %		
Casual		
J. Mariash - 2 hrs office		70.00
EXPENSES		
Accounting		
Expediting		
Room & Board in Whse		
total days at $ /day		
Field equipment from AC stock		
Xerox copies, 30 copies at 25¢ /copy	7.50	
Radio rental		
Rental AC truck at $ /mo.		
plus (to) kms at /km		
Petty cash		
Telephone		
Blueprinting, sq. ft. Ozalid at c/ft. plus sq. ft. Dilar at $ /ft.		
Drafting, 2½ hrs. at $ 24 /hr.	60.00	
Revise Report, printing	25.00	
		92.50
Total		687.50

JOHN - I ASSUME THIS DOESN'T NEED TYPING.

In Account With
Cub Joint Venture
Aug 1-31, 1984

Labour

C. A. Main (consultant) - 8 1/4 days, Aug 8-16, organizing and conducting field work at Hidden Cr. @ $380/day — $2887.50

I. Talbot (geologist) - 7 days fieldwork Aug 8-14 @ $195/day — 1365.00

4252.50

~~JM - 3/4 hr from July. + 6 hr Aug. AC - 1/2 hr exp.~~

Expenses

Xerox copies - ~~12 in July + 96 in Aug~~ 108 @ .25 - 27.00 C1

Room and board in Whse, total 7 man days @ $60/day - 420.00 D2

Consumable camp supplies purchased from AC stock - 278.35 D1

Rental non-consumable AC camp equipment, total 12 man days @ $20/day - 240.00 D1

rental SBX 11 radio and aerial - 7 days @ $15/day - 105.00 D1

expediting and office, total 7 1/4 hrs @ $35/hr - 253.75 D3

purchases from Arden, Carlton
petty cash – 1.45 D1, 16.04 D2,
25. D3, ~~.40 D3~~ — 42.49

Books on [illegible] — 14.75 D1

C. A. Main exp Aug 21 — 16.65 D2

long distance calls — 9.54 CV

1407.53

~~5660.03~~

C. P. Frt. — 15.30 D3
B. C. Tel — 2.21 CV
C. Main Expenses — 12.00 D3

1437.04

$5689.54

4510 709 368 256 | 02688

11/85 VISA

IAN TALBOT

Thank You For Buying Chevron

Customer's Copy

JOHNSONS CROSSING
LODGE
MILE 837
ALASKA HIGHWAY

MO DAY YEAR
080984 46858626

44,7.60 26 88

These amounts must agree.

Ian J. Talbot.

Total 2688

4510 709 368 256 | 03800

11/85 VISA

IAN TALBOT

Thank You For Buying Chevron

Customer's Copy

JOHNSONS CROSSING
LODGE
MILE 837
ALASKA HIGHWAY

MO DAY YEAR
081484 46858921

63,460 38 00

These amounts must agree.

CGB-4 YT

Ian J. Talbot.

Total 3800

Total - 64.88

Pd Aug 15/84

#1232

Cash

REMIT TO

STORE NO

497352

ACCOUNT NO	DATE MO	DAY	YR
8000	08	08	84

ORIGINAL INVOICE

STORE PERIOD WK	INVOICE NO	PURCHASE ORDER NO
30	0042820	

ALTERNATE REFERENCE

NEW ACCOUNT

NAME

ADDRESS

QTY	DESCRIPTION	PRICE	AMOUNT

SERVICE CHARGE ON OVERDUE ACCOUNTS
ON TOTAL PAST DUE BALANCE
2% PER MO. (24% PER YR.)

SUB-TOTAL

TAX

CUSTOMER SIGNATURE

TOTAL

CUSTOMER COPY

Yukon Grocers
4170 - 4th Ave
Whitehorse, Yukon

42232

SOLD TO Archer Cathro
Box 4127
Whitehorse Yukon

SHIP TO [faded] Aug 15/84

DATE	SHIPPED VIA	FED. LICENCE NO.	PROV. LICENCE NO.	YOUR ORDER NO.	OUR ORDER NO.	TERMS	SALESMAN

BACK ORDERED	QTY. ORDERED	DESCRIPTION	QTY. SHIPPED	UNIT PRICE	AMOUNT
	08/09	16007			44 62
		TOTAL			44 62

Cash

[signature] 8/84

#1736

INVOICE	BACK ORDERED ITEMS WILL BE SHIPPED AS SOON AS AVAILABLE UNLESS WE ARE OTHERWISE ADVISED. N/A ITEMS ARE NOT AVAILABLE AND HAVE NOT BEEN BACK ORDERED.	DATE SHIPPED	B/O FROM	B/O TO

MOORE SPEEDISET 7S015E

E. & O.E.

INVOICE

16007 SIGNATURE [signature] TOTAL 44 62

REDIFORM 5M22

TO

Archer Cathro & Associates Ltd.
P.O. Box 4127
Whitehorse, Y.T. Y1A 3T1

INVOICE NO! 14221

atlas Travel Service Ltd.
SHEFFIELD HOTEL
P.O. BOX 4340, WHITEHORSE, YUKON Y1A 3T5
(403) 667-7824 TELEX 036-8-222

PURCHASE ORDER NO.	DATE
	13 Sep. 1984

DATE	NAME	ROUTING	TICKET NO.	AGT.	FARE	TAX
14 Sep.	Mr. I. Talbot	Whse/Vancouver Cub	0183627528388	04	235.00	18.80
same	Mr. D. Eaton	same hut	" " 387	04	235.00	18.80

KEYSTONE BUSINESS FORMS

TERMS: NET CASH 7 DAYS

INTEREST AT 2% PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ACOUNTS 30 DAYS OVERDUE.

ALLIANCE OF CANADIAN TRAVEL ASSOCIATIONS ACTA

CUSTOMER COPY - ORIGINAL INVOICE

FORM OF PAYMENT			TOTAL	470.00	
CASH	CHEQUE	CR.CARD	TAX	37.60	✓ FUNDS
Charge			PLEASE PAY THIS AMOUNT	507.60	U.S. / CDN.

Cub - 253.80
pd Sept 19/84
#1447

TO

Archer Cathro
P.O. Box 4127
Whitehorse, Y.T.
Y1A 3T1

INVOICE NO. 13869

atlas Travel Service Ltd.
SHEFFIELD HOTEL
P.O. BOX 4340, WHITEHORSE, YUKON Y1A 3T5
(403) 667-7824 TELEX 036-8-222

PURCHASE ORDER NO.	DATE
	31 Aug. 1984

DATE	NAME	ROUTING	TICKET NO.	AGT.	FARE	TAX
Sep. 03	Mr. C. Main	Whse/Vancouver	0183627528072	10	235.00	18.80

Cub

Pd Sept 8/84
#11230

KEYSTONE BUSINESS FORMS

TERMS: NET CASH 7 DAYS

INTEREST AT 2% PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ACOUNTS 30 DAYS OVERDUE.

ALLIANCE OF CANADIAN TRAVEL ASSOCIATIONS ACTA

FORM OF PAYMENT					
CASH	CHEQUE	CR.CARD	TOTAL	253.80	
Charge			TAX		✓ FUNDS U.S.
			PLEASE PAY THIS AMOUNT	253.80	CDN.

CUSTOMER COPY - ORIGINAL INVOICE

TO:

Archer, Cathro & Associates,
P.O. Box 4127,

Whitehorse, Y.W.T.
Y1A 3S9
Attention: Joan Mariacher

ATLAS TRAVEL SERVICE LTD.

101-700 W. PENDER ST., VANCOUVER, B.C. V6C 1G8 (604) 669-4142

DATE			PAX	AGENT		ACCOUNT	INVOICE
07	08	84	2	2	9	C058	P 18761

FOR:

Mr. Main/Mr. Talbot
Vanc-Whitehorse 08Aug/84

TICKET NO. OR DETAIL OF DEBIT	AMOUNT	TAX	TOTAL
0183015055113	470.00	37.60	
Prepay Serv.Chg.		10.00	517.60
TOTAL COST			517.60
CSH / CHQ / CC			
TOTAL PAYMENTS			
AMOUNT DUE			517.60

Pd Aug 23/84 #1233

THIS INVOICE REPRESENTS AN ADVANCE OF FUNDS ON YOUR BEHALF AND IS DUE ON RECEIPT UNLESS OTHERWISE STATED. INTEREST WILL BE CHARGED ON OVERDUE ACCOUNTS.

SHIP TO:	SHIP DATE (DAY / MO. / YR.)	BRANCH	SHIP VIA:	SLSM	ACCOUNT NO
	09/08/84	WHITEHORSE	COLLECT	11	Y03364

I N V O I C E

TO: ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127
WHITEHORSE , Y. T.
Y1A 3S9

PLEASE REMIT TO:

BOX 5247, STN. A
CALGARY, ALBERTA
T2H 1X6

PHONE (403) 255-7776
TELEX 038-21661

WHITEHORSE, Y.T.

PO NUMBER	PARTY/JOB	DEST	FEDERAL TAX NO	PROVINCIAL TAX NO	INV. DATE (DAY / MO. / YR.)	INVOICE NO.	COPIES
-	-	4			17/08/84	12657	3

ITEM NO.	DESCRIPTION	ORDERED	SHIP'D	PRICE	PER	EXTENSION	UNIT FST	EXT. FST
120-2750	FORCITE 75% 25 X 200MM	25	25	466.70	C	116.68	23.44	5.86
135-0100	AMEX II	50	50	167.80	C	83.90	4.23	2.12
284-1000	B-LINE (300M/RL)	300	300	37.90	C	113.70	2.45	7.35
221-5020	3M SAFETY FUSE ASSEMBLY	20	20	177.40	C	35.48	9.55	1.91
401-1510	THERMALITE IGNITER CORD 10M SLOW	10	10	56.50	C	5.65	2.38	.24
700-3000	GREEN KING GLOVES	1	1	2.75	PR	2.75		
				TOTALS		358.16		17.48

14/84
#1V39

PAY THIS AMOUNT
$375.64

ORIGINAL

SEE REVERSE FOR DETAILS OF TERMS AND CONDITIONS.

Chemex Labs Ltd.

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

Analytical Chemists • Geochemists • Registered Assayers

*** INVOICE ***

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

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

Invoice # : I8415014

Date : 5-SEP-84
P.O. # : NONE
Project CUB

Invoice for analytical work reported on certificate(s) A8415014-001

Quantity	Analysed for code	description	unit price	amount
22	340	- WO3 NAA %	8.00	176.00
		Sample preparation and other charges :		
22	208	- Assay - RING	3.25	71.50

TOTAL $ 247.50
Discount (20 %) $ 49.50
Please pay this amount ----> $ 198.00

TERMS -- NET 30 DAYS
1.5 % per month (18 % per annum) charged on overdue accounts

14/11/84
#1137

CTA

CAPITAL HELICOPTERS INC.

INVOICE

#4 - 6455 64th STREET DELTA B.C. V4K 4E2
TEL.: (604) 946-6611

CHARGE TO
ARCHER CATHRO & ASSOCIATES (1981) LTD.,
P.O. Box 4127,
Whitehorse, Y.T.

Nº 430

DATE AUGUST 16, 1984.

P.O. NO.

AIRCRAFT	C GRFZ 206 L	AREA	WHITEHORSE
PILOT	BRUNO MEILI	RATE PER HOUR	$470.00 (sub for 206 B)

DATE	FLIGHT TICKET NO.	HOURS	FUEL AMOUNT
AUGUST 9, 1984	1672	2.3	$ 87.50

Cash Inv Aug 23/84 #1734

TERMS

A SERVICE CHARGE OF 2% per month, (24% PER ANNUM) CHARGED ON OVERDUE ACCOUNTS.

PLEASE PAY FROM THIS INVOICE

DUE AND PAYABLE WITHIN 30 DAYS

SUB TOTAL	1,081.00
FUEL CHARGES	87.50
MISC.	
INVOICE TOTAL	1,168.50

AUTHORIZED BY PRINT

SIGNATURE

CONTRACT HRS.
DAY
MONTH
YEAR

BASES
REVELSTOKE

FUEL SUPPLIED BY: CUST. ☐ CHI ☐

CAPITAL FUEL

35 GALS. FROM WHSE AT 2.50 PER GAL
____ GALS. FROM ____ AT ____ PER GAL
____ GALS. FROM ____ AT ____ PER GAL
____ GALS. FROM ____ AT ____ PER GAL

PILOTS NAME BRUNO MEILI

SIGNATURE B. Meili

FLIGHT TICKET NO. 1672

Terr-Air Rotary Ltd.

GENERAL DELIVERY, ROSS RIVER, Y.T.
TELEPHONE: (403) 969-2240
BOX 688, LAC LA BICHE, ALBERTA T0A 2C0
TELEPHONE: (403) 623-2190

Aug 21, 1984

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].00	$1,77[illegible]
[redacted]		[redacted]	[redacted]			-[illegible].00	$5[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].00	$1,[illegible]
[illegible]	2.3	[illegible]	[illegible].71	[illegible]	[illegible]	$0.00	$1,[illegible]
[illegible] VJ[illegible]	5.5	[illegible]	$[illegible]2.71	$0.00	$[illegible]	[illegible]	$2,[illegible]1.71
[illegible]	1.7	$[illegible]	$4.25	$0.00	$0.00	[illegible]	$7[illegible]
[illegible] VJ[illegible]	4.3	$440.00	$10.75	$0.00	$0.[illegible]	[illegible]	$1,[illegible]
[illegible]/03 VJE	3.4	$440.00	$8.50	$0.00	$0.00	[illegible]	$1,[illegible]
[illegible]/04 VJH	1.3	$440.00	$3.25	$0.00	$[illegible].00	[illegible]	$57[illegible]
[illegible]/06/05 VJH	1.2	$440.00	$3.00	$0.00	[illegible]	[illegible]	$5[illegible]
[illegible]	1.1	$440.00	$[illegible].75	$0.00	[illegible].00	[illegible]	[illegible]
[illegible]	1.7	$440.00	$[illegible]	$0.[illegible]	[illegible]	[illegible]	$7[illegible]
[illegible]	2.1	$440.00	$5.25	$0.00	$[illegible]	[illegible]	[illegible]
[illegible]	2.3	$440.00	$[illegible].75	$0.00	$0.00	[illegible]	$1,[illegible]
[illegible] VJ[illegible]	1.3	$440.00	$3.25	$0.00	$0.0[illegible]	[illegible]	$575.[illegible]
[illegible] VJ[illegible]	1.2	$440.00	$3.00	$0.00	$0.00	[illegible]	$53[illegible].00
[illegible]	1.1	$[illegible].00	$2.75	$0.[illegible]	$0.00	[illegible]	$[illegible]
[illegible]	7.[illegible]	[illegible]	[illegible]	$0.00	$0.00	[illegible]	$3,[illegible]07.[illegible]
[illegible]	7.[illegible]	[illegible]	[illegible]	[illegible]	$0.00	[illegible]	$3,[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	$0.00	$0.00	[illegible]	$2,[illegible]33.75

Cuts - 815.63 (credit of $52 in hat'l)

Pd Sept 19/84
#1243

White Pass Petroleum Services

P.O Box 4070
Whitehorse,
Yukon Y1A 3T1

DATE Aug 7 19 84

ACCOUNT NUMBER 4718

INVOICE 344727

Archer Cathro

TRUCK TRAILER

TRIP NO.

SHIP TO STN FROM

STN CODE 19 ORDER NO

WP NO

LOC

QTY ORDER	BACK ORDER	PRODUCTS DELIVERED	SIZE OF PACKAGE	CODE	QUANTITY	PRICE	AMOUNT
		SP-4	Litre	028101 1	200	524	104 80
		4T TAX		961031	200	007	1 40

CUB

THIS IS YOUR INVOICE

NO OTHER INVOICE OR STATEMENT WILL BE ISSUED.
PAYMENT IS DUE WITHIN 15 DAYS OF RECEIPT OF GOODS.

DELIVERED BY

PRODUCTS RECEIVED BY Charles A. Mann

APPROVED CHECKED

PAYMENTS RECEIVED
CASH
CHEQUES
EXCHANGE
TOTAL

TAX				
DRUM CHARGES	910049	1		65 00
DRUM CREDITS				( )
TERMS - NET CASH (NO DISCOUNT)			TOTAL	171 20

White Pass Petroleum Services

P.O. Box 4070
Whitehorse,
Yukon Y1A 3T1

DATE Aug 16 19 84

ACCOUNT NUMBER 4718

Chevron

43227

ARCHER CATHRO

TRUCK TRAILER

TRIP NO.

SHIP TO STN FROM

STN CODE 19 ORDER NO

WP NO

LOC

QTY ORDER	BACK ORDER	PRODUCTS DELIVERED	SIZE OF PACKAGE	CODE	QUANTITY	PRICE	AMOUNT
		H. Vorac 8/84		910069	1	65.00	65 00

CREDIT MEMO

CUB.

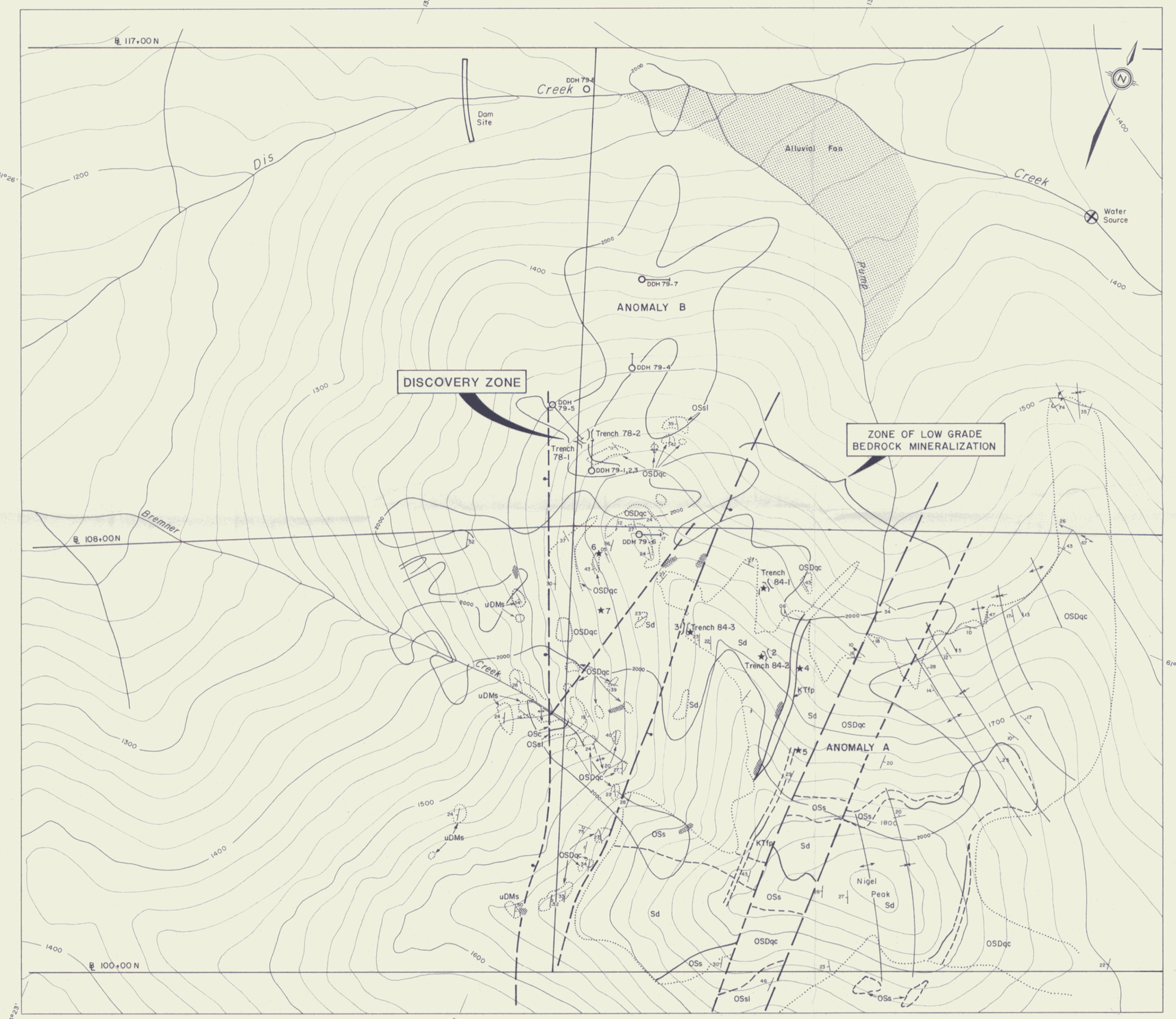
DELIVERED BY Charles A. Mann

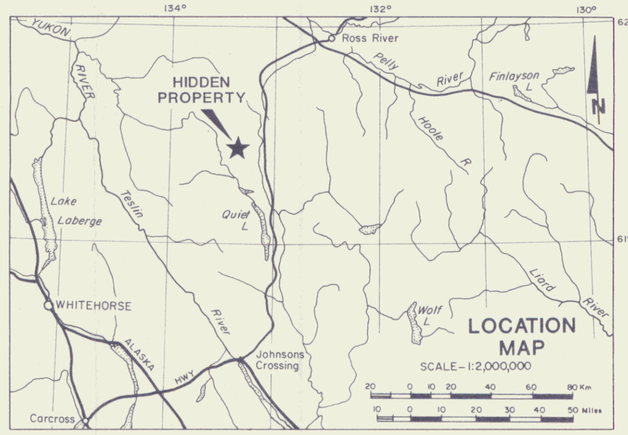
PRODUCTS RECEIVED BY

APPROVED CHECKED

PAYMENTS RECEIVED
CASH
CHEQUES
EXCHANGE
TOTAL

TAX				
DRUM CHARGES				
DRUM CREDITS				(65 00
TERMS - NET CASH (NO DISCOUNT)			TOTAL	





LEGEND

CRETACEOUS

KTfp — Dacite porphory dikes - dark brown, with vesicles and calcite - filled amygdules

UPPER DEVONIAN and ( ) MISSISSIPPIAN

uDMs — "BLACK CLASTIC" GROUP
Slate - minor siltstone - black, non-calcareous

ORDOVICIAN, SILURIAN and DEVONIAN

NASINA SERIES

Sd — Sandy Dolomite - massive light grey and tremolite - diopside skarn

Sq — Massive grey quartzite (seen in drill holes)

OSs — Slate, black, graptolitic, weathers rusty

OSDqc — Limestone - light grey, wavy banded, pellet texture, with interbedded green - grey silty shale

OSsl — Graphitic Limestone and black calcareous shale

OSc — Banded Dolomite - white massive, with thin black bands

SYMBOLS

- geological contact (defined, approximate)
- limit of outcrop
- fault (defined, approximate; dot indicates downthrown side)
- skarn zone
- ★4 analysed soil samples 1-7
- trench site
- bedding; incline
- cleavage
- lineation
- fracture
- anticline, syncline
- diamond drill hole DDH-79-1

091582

Figure 1

GEOLOGY AND TRENCH SITES

HIDDEN PROPERTY

CUB JOINT VENTURE

SCALE 1:5000

100 0 50 100 200 300 400 Metres

100 0 50 100 200 300 400 Yards

To accompany report dated