

82 - 10081

GEOCHEMICAL AND PROSPECTING REPORT  
DONE ON THE RAM 16, RAM 18, ELIZA 1, ELIZA 2,  
AND SHEEP 1, 2, 3, AND 4 MINERAL CLAIMS  
CASSIAR MOUNTAINS, B.C.  
LOCATED 3km NORTH OF JUNCTION OF TURNAGAIN  
AND CASSIAR RIVERS, LIARD M. D.  
MAP 104-1-9-E  
LAT. 58°41' x LONG. 128°05'

BY

W. KUHN

INDEPENDENT PROSPECTOR  
AND OWNER-OPERATOR

DECEMBER 21, 1981

WORK DONE BETWEEN SEPTEMBER 2 AND OCTOBER 4, 1981

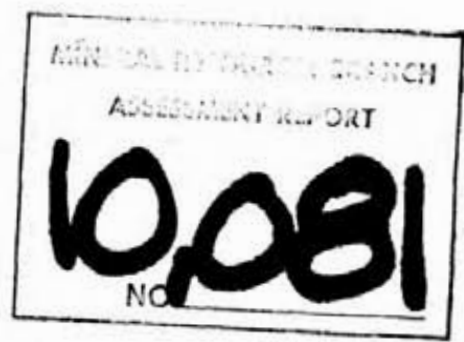


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REPORT BY T. LIVERTON

APPENDED

CLAIM NAMES

Ram 16	# 27654	- (K)	Recorded August,	1967
Ram 18	# 27656	- (K)	Recorded August,	1967
Sheep 1	# 28021	- (M)	Recorded September,	1967
Sheep 2	# 28022	- (M)	Recorded September,	1967
Sheep 3	# 28023	- (M)	Recorded September,	1967
Sheep 4	# 28024	- (M)	Recorded September,	1967
Eliza 1	# 72202	- (N)	Recorded October,	1967
Eliza 2	# 72203	- (N)	Recorded October,	1967
Lamb 12	# 33779	- (N)	Recorded October,	1968

INTRODUCTION

The Ram, Eliza, and Sheep Mineral Claims are located approximately 2 miles north of the confluence of the Cassiar and Turnagain Rivers between 1000m and 1800m elevation above sea level.

The claims cover widespread tungsten, molybdenum, and silver mineralization.

Access to the property is by helicopter from Watson Lake, 160km <sup>NNW</sup>~~SSW~~ or Dease Lake, approximately 130km W. Nearest fixed landing is Bluesheep Lake, 20km west-northwest, or Dall Lake 40km southeast. A proposed road from Stewart-Cassiar Road to Kutcho Creek Copper Properties of Esso Minerals and Sumitomo Ltd. would bring road access to within 40km to the south.

Reference to Topographic Map 104 I.

## HISTORY

The group of claims staked north of the junction of the Turnagain and Cassiar Rivers were originally staked in the summer of 1967 for Rip-Van Mining Co. Ltd., a subsidiary company of the Del Norte Mining Group which at that time was composed of Rip-Van Mining, El Paso Mining and Milling Husky Oil, and Louisiana Land. The claims were staked by W.Kuhn on a discovery made by him while he was employed by the Group on a contract prospecting agreement to cover widespread tungsten and silver mineralization on the property. The tungsten mineralization is present in lower cambrian and/or proterozoic metaseds enveloped by acidic intrusive. Silver bearing galena and minor tetrahedrite are present in metaseds as disseminations, and in the intrusive as shear fillings and veins.

Shortly after staking, Kuhn was instructed to continue reconnaissance prospecting in other areas as planned. New crews were hired to do detail prospecting through the rest of 1967 and 1968. In 1968 the Ewe Group was staked west of the Sheep Group as well as other perimeter claims.

Drilling was done by El Paso Mining in 1969 and 1970 on the Ewe claims and on the adjoining Herb in 1971 and 1972, after which all work was suspended by El Paso in the area.

The original Ram claims were returned to Kuhn by El Paso, as per original contract agreement, in 1971. Detailed Geochemical work and prospecting in 1972 by Kuhn turned up new mineralization. Soon after, more new mineralization was also discovered by geological crews who went to examine the property. The fact that the property was

split in half at that time, El Paso retaining the Ewe claims and Kuhn holding the Ram claims, complicated any sales agreement.

In 1977 both properties were optioned by Union Carbide Exploration Ltd. mapping and sampling was done and again in 1978. 4 holes were drilled in 1979 on the Ram properties. Much difficulty was encountered, and the lowest skarns, which on previous surface sampling gave the best values in tungsten, were never reached by any of the drilling.

This fact, together with the fact that the last remaining Ewe Claims were returned as per contract agreement to Kuhn in October, 1980 (thus all of the claims in the area are now held by the discoverer and original staker W. Kuhn), prompted him to spend approximately 6 weeks in the area in 1981, prospecting and geochemical sampling, of which this Report is concerned.

#### WORK DONE

Mineralization and rock types discovered: 1981.

Close prospecting turned up high grade molybdenite float on the Ram 16 Mineral Claim on the S.E. slope of the "Centre Ridge" in the intrusive underlying the tungsten skarns. Molybdenite had previously been discovered in the tungsten skarns with scheelite and powellite, but as far as is known this was the first molybdenite found in the intrusive on the claims. Further prospecting did not turn up the exact source of the high grade float, but in rock outcrops above and on both sides, very fine grained flakes of molybdenite were discovered in intrusive over an area of approximately 150m by 300m.

Directly north of the area, two parallel quartz-feldspar-porphry dikes were discovered. Much ultra-violet night lamping was done, marking out the mineralized sections with orange flourescent spray paint and sampled in daytime.

The geochem grid was done to localize mineralized areas and to check for presence of other minerals. Due to the steepness of the ground, results will obviously indicate upslope mineralization. Consecutive parallel lines across slope were used to help interpret results on the Ram claims.

Individual full size maps are included for each mineral tested for, to reveal relation of anomalies to overall conditions, rock types, known showings and any other relative factors.

The geochemical samples were taken at or near the top of the mineral soil just below the humus. Samples of the 'north grid' and 's.w. grid' were soil samples taken at 25m intervals. In the few instances which were taken at odd intervals, the sample is from a wash or gully indicating more or less broad up-slope mineralization. Due to the steepness of the ground and coarsness of material taken, these cannot strictly be classified as 'silts', but more properly as locally transported soils from up-slope. These are indicated on the geochemical maps by the 'creeks' or gullys drawn on the maps.

#### ROCK SAMPLING

Rock samples 9-9-81-1-2-3-4-5-6 are covered by a seperate geologists report under separate cover.

All rock sample areas were located at night with ultra-violet lamp, and limits marked by orange flourescent spray

paint. The cross sections were then sampled in daylight by channel sampling or very closely spaced chips. In the tungsten skarn occurrences, it was found such methods were imperative to any evaluation because:

1. The tungsten skarn(scheelite) mineralization is totally unrecognisable without night lamping.
2. In a widely spaced or cursury chip sampling the sampler, completely inadvertently, will tend to chip off the softer, less silicified rock and leave the more highly altered, harder and more silicified rock which is more likely to carry higher grades of tungsten. This fact has been conclusively born out by results.

#### CONCLUSION

The results of continued prospecting to consistantly reveal newly discovered additional mineralization, including molybdenum in the intrusive as well as in the skarns over an extensive area, and several higher grade cross sections of tungsten in rock sampling than has hitherto been recorded, would indicate or give conclusive proof that the property requires more of the same type of careful work.

On the accompanying base map, the author has indicated the areas in which intrusive rock types have been discovered as dikes, sills, or plugs intruding the sediments. No attempt was made to identify the various divisions of sedimentary rocks as ample previous work is available in various reports under 'Ram' 1977,1978,1979 and 'Ewe' 1968, 1969,1970-104-1-9-E.

*William Kuhn*



BREAK-DOWN OF EXPENSES

Air fare, Vancouver to Watson Lake Y.T.	\$	181.45
Taxis to and from Airports		22.00
Overnight, Watson Lake, 2 nights room & board		100.00
Transportation with gear & 4x4 truck Watson Lake to Dease Lake		221.30
Helicopter transportation, Dease Lake to Turnagain River Camp, Ram Claims		554.50
Helicopter from Turnagain River to Watson Lake		918.18
Deliver large sample shipment to Whitehorse		200.00
Drive truck, Whitehorse to Vancouver		
Rental 4 days @\$50.00 per day	\$200.00	
2500km @.20 per km	<u>500.00</u>	700.00
Radio rental for 1 month		200.00
Camp expenses at \$20.00 per day, 22 days		440.00
Assays as per invoices		893.75 (915.85)
Photo copying, etc.		130.00
Secretarial		<u>58.33</u>
Total	\$	4,619.51

William Kuhn

SCHEDULE AND TIME SPENT ON PROPERTY

August 27, 1981	Flew CP Air Vancouver to Watson Lake.	120.00
August 28, 1981	Drove Truck from Watson Lake, Yukon to Dease Lake B.C. then by helicopter from Dease Lake to property.	120.00
August 29, 1981	Fix up camp, cut wood etc. (no credit)	
August 30, 1981	Fix up camp, " " " " "	
August 31, 1981	Prospect	120.00
Sept. 1, 1981	Prospect	120.00
Sept. 2, 1981	Locate sample areas with U.V. lamp (night lamp and mark out mineralized areas)	120.00
Sept. 3, 1981	Night lamp and sample	120.00
Sept. 4, 1981	Sample	120.00
Sept. 5, 1981	Sample	120.00
Sept. 6, 1981	Prospect	120.00
Sept. 7, 1981	Trench 1 man	120.00
Sept. 8, 1981	Trench 1 man	120.00
Sept. 9, 1981	Survey and sample	120.00
Sept. 10, 1981	Sampling (part day)	
Sept. 11-16,	Prospect, Night lamp, 6day @ 120	720.00
Sept. 17, 1981	Lay out grid	120.00
Sept. 18, 1981	Sample	120.00
Sept. 19, 1981	Sample	120.00
Sept. 20-25 1981	Prospect <i>60 hr</i>	<i>720.00</i> <i>wk</i>
Sept. 26, 1981	Trenching and sampling	120.00
Sept. 27, 1981	Trenching and sampling	120.00
Sept. 28, 1981	Trenching	120.00
Sept. 29, 1981	Trenching	120.00
Sept. 30, 1981	Trenching	120.00
Oct. 1, 1981	Camp chores only (no credit)	
Oct. 2, 1981	Trenching	120.00
Oct. 3, 1981	Trenching	120.00
Oct. 4, 1981	Prepare to close down (no credit)	

schedule cont.

Oct. 5, 1981	Fly out by helicopter to Watson Lake, Y.T. and drive to Whitehorse	120.00
Oct. 6, 1981	Arrive Whitehorse, deliver samples to assayer (Bondar Clegg)	120.00
Dec.17-20,	Report preparation, 4 days @120/day	<u>480.00</u>
	Additional 6 days work \$ 720	\$4,080.00
		<del>\$4,800.00</del> wk

TOTAL EXPENSES AS PER SCHEDULE	\$ 4,619.51
WORK CREDITS	<u>4,080.00</u> 4800
TOTAL:	\$ <u>8,699.51</u>
	<u>9,419.51</u>

William Kuhn

STATEMENT OF QUALIFICATIONS

I William Kuhn, have been engaged in Mining Exploration and Prospecting, including Geochemical Work, for the past 18 years, the last few years of which I have made my entire livelihood as a free and independant prospector without outside support.

I have submitted previous reports on "May Group" May 1975, NTS-104-I-9E, "Windy Group" Cassiar area, 1979, 104-P-5W, previous report on "Sheep Group", 1980, and reports submitted to Indian Affairs and Northern Development, Whitehorse, Yukon.

I have no academic qualifications beyond Grade School.

*William Kuhn*

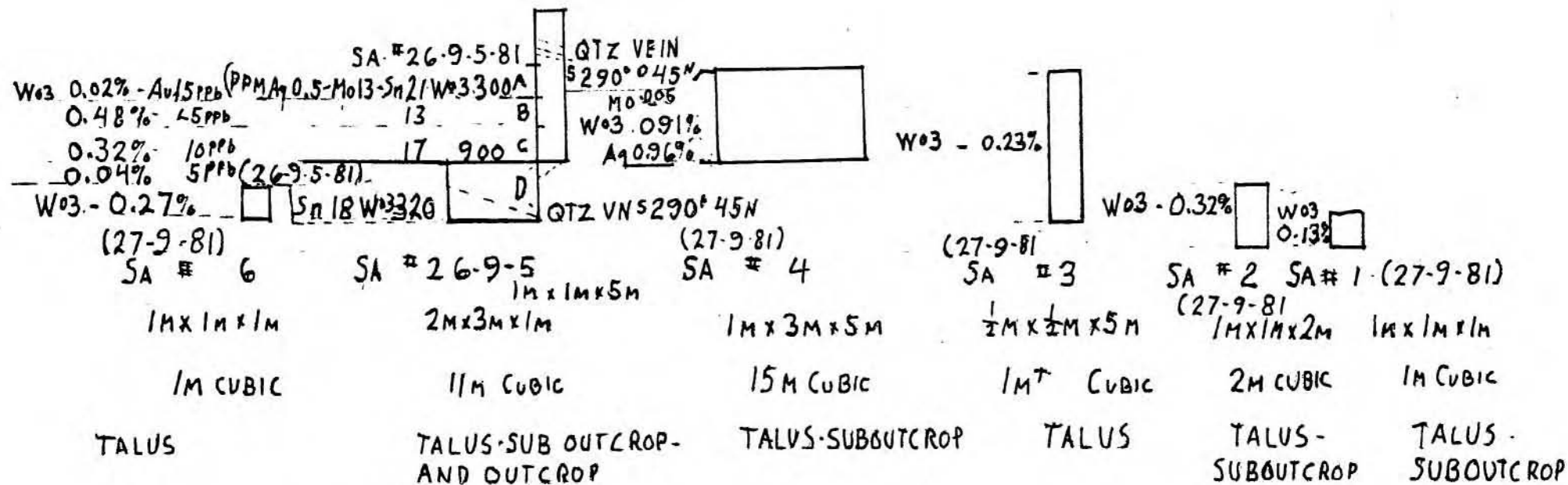
WILLIAM KUHN

RECENT REPORTS

8403	Sheep - Lamb	Kuhn	1980
7672	Lamb - Sheep	Union Carbide 7 <del> </del> Liverton	1979
7510	Eliza - Ram - Sheep	Union Carbide S. Fraser	1979
5473	May	Kuhn	1975
5781	Eliza - May	Ostensoe	1975

DETAIL OF SAMPLING TRENCHES #1 TO 6 DIAGRAM #1

N



GOLD ASSAYS 0.002 OR LESS

TRENCHING CREST OF 'CENTRE RIDGE'

FOR LOCATION PLEASE REFER TO BASE MAP

SCALE 1CM = 2M / 1:200



# BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523  
TELEX: 036-8-460

## Geochemical Lab Report

FROM: W. Kuhn

REPORT NUMBER: 41-763

PROJECT: \_\_\_\_\_

DATE: November 5, 1981

SAMPLE NUMBERS	Ag ppm	Mo ppm	Sn ppm	W ppm					
18.9.81: 1	0.1	2	13	24	(STP)				
26.9.5: A	0.5	13	21	300					
B			13	G2000					
C			17	900					
D			18	320					

G - denotes greater than

FOR METHOD, EXTRACTION AND FRACTION USED - SEE ATTACHED



# Certificate of Analysis

TO W. Kuhn  
\_\_\_\_\_  
\_\_\_\_\_

REPORT NO. A41-291.....

DATE November 30, 1981.....

I hereby certify that the following are the results of analyses made by us upon the herein described rock..... samples

MARKED		%								
		WO <sub>3</sub>								
18.9.81	1	L0.01								
26.9.81	A	0.02								
	B	0.48								
	C	0.32								
	D	0.04								

BONDAR-CLEGG & COMPANY LTD.

NOTE: L - denotes less than  
Rejects retained two weeks  
Pulps retained three months  
unless otherwise arranged.

*Steven Simpson*  
.....



PROVISIONAL DETAIL OF SAMPLING 9-9-81. (SEE GEOLOGISTS REPORT) SEPARATE COVER  
 DIAGRAM #2

TRUE W. W03 %  
 SA# 1.3.3M | LOST  
 SA# 2.3.0M | 0.96

SA#3 TRUE W. W03 %  
 2.57M | 0.33

SA#4 TRUE W. W03 % TRUE W. W03 %  
 4.99M | 0.98 % 3.28M | 1.71 } 1.3  
 --- | --- 3.38M | 1.29 } AV  
 } 6.58



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PHONE: (403) 667-6523  
TELEX: 036-8-460

## Certificate of Analysis

TO W. Kuhn, c/o Frontier Helicopters  
P.O. Box 10  
Watson Lake, Yukon Y0A 1C0

REPORT NO. A41-247

DATE October 16, 1981

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	%	.%							
	Mo	WO3							
9/9-2	L0.005	0.096							
9/9-3	L0.005	0.33							
9/9-4	L0.005	0.98							
9/9-5	L0.005	1.41							
9/9-6	L0.005	1.29							

L - denotes less than

BONDAR-CLEGG & COMPANY LTD.

retained two weeks

*Handwritten initials*



# BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523

TELEX: 036-8-460

## Certificate of Analysis

TO W. Kuhn

REPORT NO. ... A41-291.....

DATE November 19, 1981.....

I hereby certify that the following are the results of analyses made by us upon the herein described .....rock..... samples

MARKED	oz/ton	oz/ton	%	%					
	Au	Ag	Mo	W <sub>3</sub>					
18.9.81: 2	LO.002			0.055					
3	LO.002			0.23					
19.9.81: 1	LO.002			0.43					
2	LO.002			0.11					
3	0.005			0.21					
19.9.81: 4	LO.002			0.36					
27.9.1 : 1	LO.002			0.13					
2	LO.002			0.32					
3	LO.002			0.23					
4	0.002	0.96	LO.005	0.91					
27.9.1 : 6	0.002			0.27					
29.9.81 :	LO.002			0.12					
Circque Pit	LO.002			0.028					

BONDAR-CLEGG & COMPANY LTD.

**NOTE:**

Rejects retained two weeks  
Pulps retained three months  
unless otherwise arranged.

.....*Steven Simpson*.....



# BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523

TELEX: 036-8-460

## Geochemical Lab Report

FROM: W. Kuhn

REPORT NUMBER: 41-763

PROJECT: \_\_\_\_\_

DATE: December 2, 1981

SAMPLE NUMBERS	Au ppb								
18.9.81 26.9.5	1 A B C D	L5 L5 L5 10 5							

L - denotes less than

FOR METHOD, EXTRACTION AND FRACTION USED - SEE ATTACHED



# BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523

TELEX: 036-8-460

## Geochemical Lab Report

FROM: W. Kuhn

REPORT NUMBER: 41-751

PROJECT: North Grid

DATE: October 30, 1981

SAMPLE NUMBERS	Ag ppm	Mo ppm	W ppm						
150. <del>E</del> x325N	0.6	52	800						
155. <del>E</del> x340N	1.2	210	300						
25Ex100N	1.8	10	300						
75Ex100N	1.0	10	140						
100 <del>E</del> x100N	1.6	17	160						
150 <del>E</del> x100N	L0.1	14	70						
0x200N	1.3	3	300						
25Ex200N	0.7	20	140						
35Ex200N	1.0	9	160						
50Ex200N	2.2	71	24						
75Ex200N	2.6	53	40						
100Ex200N	1.8	92	40						
55Ex100N	16.	130	450						
115Ex100N	1.5	20	90						
115Ex200N	1.7	28	140						
125Ex200N	1.6	21	350						
150Ex200N	2.9	70	80						
175Ex200N	1.8	62	90						
0x325N	0.4	6	350						
50Ex325N	0.6	5	400						
75Ex325N	2.2	7	140						
100Ex325N	8.4	40	500						
125Ex325N	2.6	9	160						
175Ex325N	1.5	18	400						
205Ex325N	0.8	164	60						
0x100N	2.9	10	400						
25Wx100N	1.2	8	450						
50Wx100N	2.1	6	350						
75Wx100N	0.7	4	700						
100Wx100N	0.6	3	90						
MN Sheep Gutt	1.0	34	G2000						

L - denotes less than. G - denotes greater than.

FOR METHOD, EXTRACTION AND FRACTION USED - SEE ATTACHED



# BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD. WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523  
TELEX: 036-8-460

## Geochemical Lab Report

FROM: W. Kuhn

REPORT NUMBER: 41-751

PROJECT: \_\_\_\_\_

DATE: November 20, 1981

SAMPLE NUMBERS	Au ppb								
150.S x 325N	20								
155.S x 340N	10								
25 E x 100N	35								
75 E x 100N	10								
100 E x 100N	10								
150 E x 100N	L5								
0 x 200N	5								
25 E x 200N	10								
35 E x 200N	L5								
50 E x 200N	L5								
75 E x 200N	5								
100 E x 200N	15								
55 E x 100N	5								
115 E x 100N	5								
115 E x 200N	5								
125 E x 200N	15								
150 E x 200N	10								
175 E x 200N	5								
0 x 325N	L5								
50 E x 325N	L5								
75 E x 325N	10								
100 E x 325N	30								
125 E x 325N	10								
175 E x 325N	15								
205 E x 325N	10								
0 x 100N	L5								
25 W x 100N	5								
50 W x 100N	5								
75 W x 100N	L5								
100 W x 100N	5								
MN Sheep Gut	L5								

L - denotes less than

FOR METHOD, EXTRACTION AND FRACTION USED - SEE ATTACHED



# Frontier Helicopters Ltd.

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VAN. (604) 526-0400  
WATSON LAKE (403) 536-7766

CHARTERER Bill Kuhn		DATE 29-08-81	PILOTS NAME	
ADDRESS Box 48812 Vancouver BC V7X1A6		A/C FHE	PRINT Tom Schneider	
		TYPE RH 306	SIGNATURE	
		BASE Dresser		
POSTAL CODE			FUEL SUPPLIED BY CUST. <input type="checkbox"/> FRONTIER <input checked="" type="checkbox"/> FRONTIER FUEL	
REMARKS Dresser - Transp. - Dresser	PASS	CARGO	TIME 1.2	26 GALS. FROM Dresser AT 1325 PER GAL.
				— GALS. FROM — AT — PER GAL.
				— GALS. FROM — AT — PER GAL.
			FUEL COST	\$ 57.50
			FLYING 1.2 HRS. AT \$415.00	\$ 498.00
			EXPENSES	\$
			AUTHORIZED BY PRINT	
			SIGNATURE William Kuhn	
			TICKET #537	
			No 12258	CHEQUE CASH CHARGE
				P.O.
TERMS NET 10 DAYS	TOTALS		1.2	TOTAL \$ 554.50

By the signing of this flight report I acknowledge that the terms and conditions thereof as set forth in the tariff filed with the A.T.B. are available for examination at Frontier Helicopters Ltd.

<small>1. A RECEIPT OF TICKETS AND/OR COUPONS FOR RELATED CHARGES DESCRIBED HEREON PAYMENT IN FULL TO BE MADE WHEN BILLED OR IN EXTENDED PAYMENTS IN ACCORDANCE WITH STANDARD POLICY OF COMPANY ISSUING CARD AND AS REFLECTED IN APPLICABLE TARIFFS. FACILITER RECEPTION DES BILLETTS OU COUPONS CORRESPONDANT AUX DEBITS SI CONTRE. LE PAIEMENT DOIT ETRE EFFECTUE SOIT INTEGRALMENT DES LA FACTURATION SOIT EN VERSEMENTS ECHELONNES AUX CONDITIONS FIXEES PAR LA SOCIETE EMETTRICE DE LA CARTE ET STIPULEES AUX REGLEMENTS TARIFFAIRES APPLICABLES.</small>		<b>UNIVERSAL CREDIT CARD CHARGE FORM/BORDEAU DE DEBIT UNIVERSEL - CARTES DE CREDIT</b>		DATE AND PLACE OF ISSUE <b>MacDONALD TRAVEL CORPORATION VANCOUVER, CANADA 61-9 4650 0</b>	
AIRLINE CODE CODE CIP AER <b>CP</b>		25 AUG 81		3. CARDHOLDER COPY EXEMPLAIRE TITULAIRE DE LA CARTE IF EXTENDED PAYMENT APPLICABLE CIRCLE NO. OF MONTHS ENTOURER LE NOMBRE DE MENSUALITES EN CAS DE PAIEMENTS ECHELONNES <b>3 6 9 12</b>	
DATE OF ISSUE/DATE D'EMISSION		NAME OF PASSENGER IF OTHER THAN CARDHOLDER NOM DU PASSAGER SAUF S'IL EST TITULAIRE DE LA CARTE <b>VANCOUVER/FT. ST. JOHN/ WATSON LAKE</b>		CONNECTION OF PASSENGER WITH SUBSCRIBER RAPPORT ENTRE PASSAGER ET SOUSCRIPTEUR <b>Y CP</b>	
COMPLETE ROUTING/ITINERAIRE COMPLET <b>VANCOUVER/FT. ST. JOHN/ WATSON LAKE</b>		AIRLINE/CIP AER. FORM SERIAL NO./N° DU BILLET <b>018 360 832 421</b>		LIEU ET DATE D'EMISSION <b>4503 370 240 888 09/82 VISA</b>	
FARE/PRIX <b>168.00</b>		TAX/TAXE <b>13.45</b>		TOTAL <b>181.45</b>	
ROUTE CODE INDICATIF DU PARCOURS <b>CG</b>		TICKETS NOT TRANSFERABLE NO CASH REFUNDS BILLETTS INCESSIBLES AUCUN REMBOURSEMENT		CREDIT CARD NAME/CODE NOM OU CODE DE LA CARTE <b>CG</b>	
WILLIAM KUHN					





# Frontier Helicopters Ltd.

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VAN. (604) 526-0400  
WATSON LAKE (403) 536-7766

CHARTERER <b>BILL KUHN</b>			DATE <b>25 8 81</b>	PILOTS NAME <b>AND L. LADE</b>	
ADDRESS			A/C <b>35412</b>	PRINT	
POSTAL CODE			TYPE <b>308A</b>	SIGNATURE	
REMARKS <b>WATSON - TURNING PTD 7 MAN + STAR RTA WATSON LL</b>			PASS	CARGO	TIME
FUEL SUPPLIED BY CUST. <input type="checkbox"/> FRONTIER <input checked="" type="checkbox"/> FRONTIER FUEL			39.6 GALS. FROM <b>WATSON</b> AT <b>2.05</b> PER GAL.		
			GALS. FROM _____ AT _____ PER GAL.		
			GALS. FROM _____ AT _____ PER GAL.		
FUEL COST			\$ <b>81.18</b>		
FLYING <b>1.8</b> HRS. AT \$ <b>465</b>			\$ <b>837</b>		
EXPENSES			\$		
AUTHORIZED BY PRINT			SIGNATURE		
TICKET No <b>11654</b>			CHEQUE	CASH	CHARGE
TERMS NET 10 DAYS			TOTAL \$ <b>918.18</b>		

By the signing of this flight report I acknowledge that the terms and conditions thereof as set forth in the tariff filed with the C.A.T.B. are available for examination at Frontier Helicopters Ltd.

I ACKNOWLEDGE RECEIPT OF TICKETS AND/OR COUPONS FOR DELAYED CHARGE CHARGES HEREON. PAYMENT IN FULL TO BE MADE WHEN BILLED OR IN 30 DAY PAYMENTS IN ACCORDANCE WITH STANDARD POLICY OF COMPANY. CREDIT CARD AND AS REFLECTED IN APPLICABLE TARIFFS. J'ACCUSE RECEPTION DES BILLETS OU COUPONS CORRESPONDANT AUX DEBITS D'EGREVE. LE PAYERMENT POURRA ETRE EFFECTUE SOIT INTEGRALMENT DES LA FACTURATION SOIT EN VERSEMENTS ECHELONNES AUX CONDITIONS FIXEES PAR LA SOCIETE EMETTRICE DE LA CARTE ET STIPULEES AUX REGLEMENTS TARIFFAIRES APPLICABLES.

x **W Kuhn**  
-35412

UNIVERSAL CREDIT CARD CHARGE FORM/BORDEAU DE DEBIT UNIVERSEL - CARTES DE CREDIT		DATE AND PLACE OF ISSUE
AIRLINE CODE CODE C <sup>o</sup> AER	CARDHOLDER COPY 3. EXEMPLAIRE TITULAIRE DE LA CARTE	<b>MARVEL TRAVEL SERVICE LIMITED CASSIAR, CANADA 61-8 0724 4</b>
<b>018 / CP</b>	IF EXTENDED PAYMENT APPLICABLE. CIRCLE NO. OF MONTHS. ENTOURER LE NOMBRE DE MENSUALITES. EN CAS DE PaiEMENTS ECHELONNES.	<b>17 AUG 81</b>
DATE OF ISSUE/DATE D'EMISSION	APPROVAL CODE REF. DE L'ACCORD	<b>3 6 9 12</b>

NAME OF PASSENGER IF OTHER THAN CARDHOLDER  
NOM DU PASSENGER SAUF S'IL EST TITULAIRE DE LA CARTE

COMPLETE ROUTING/ITINERAIRE COMPLET

**WATSON LAKE** **4** **CP**  
**VANCOUVER**

CONNECTION OF PASSENGER WITH SUBSCRIBER  
RAPPORT ENTRE PASSENGER ET SOUSCRIPTEUR

AIRLINE/C<sup>o</sup> AER FORM SERIAL NO./NO DU BILLET

**018 3101 434946**  
**02789**

TICKETS NOT TRANSFERABLE  
NO CASH REFUNDS  
BILLETS INCESSIBLES  
AUCUN REMBOURSEMENT

CREDIT CARD NAME / CODE  
NOM OU CODE DE LA CARTE

**CG**

FARE/PRIX  
**CAD 161.45**  
TAX/TAXE  
**13.45**  
TOTAL  
**CAD 174.90**

ROUTE CODE  
INDICATIF DU PARCOURS

**4503 370 240 888****09/82 VISA****WILLIAM KUHN**



CUSTOMER INVOICE

REPRODUCTION INVOICE

TELEPHONES:  
REPRODUCTION 683-2181  
ACCOUNTING 684-7177

REPRODUCTION OFFICES

HARBOUR CENTRE, VANCOUVER, B.C.  
1111 MELVILLE ST., VANCOUVER, B.C.  
LOWER MALL, BENTALL III, VANCOUVER, B.C.  
2407 BARRARD ST., VANCOUVER, B.C.

**SUPERIOR  
REPRODUCTIONS  
& PRINTING**

REMITTANCE TO:  
1111 MELVILLE ST.,  
VANCOUVER, B.C. V6E 3X5

RECEIVED BY	TIME RECEIVED	PROMISED	REQUESTED	DUE DATE	DELIVER	WILL CALL	WAIT	WAIT DEL.	CUSTOMER P.O. NO.	REQ/JOB NO.
11/16/81	10:55		17/12			X				

*Bill Quinn*

DATE 17 3 81 R 42588  
DAY | MO. | YR.

*688 6092*

S	PICKED UP BY	S/C	SHIPPING INSTRUCTION	
	DEL. BY	S/C	<input type="checkbox"/> MAIL	<input type="checkbox"/> BUS
S			<input type="checkbox"/> AIR MAIL	<input type="checkbox"/> COLLECT
			<input type="checkbox"/> AIR EXPRESS	<input type="checkbox"/> PREPAID

ORDERED BY

PLEASE QUOTE INVOICE NUMBER ON PAYMENT

PRINTS TO:								No. Of Orig.	No. Prints of Each	DESCRIPTION				TOTAL SQ. FT.	UNIT PRICE	AMOUNT
ABOVE								1	10	WHITE PRINT	BLUE BLACK BROWN	FRAME	PREFOLD	148	.17	816
ORIGINALS TO:										WHITE PRINT	CARD	PLAIN PLASTIC	32 LB 56 LB			
								SEPIA	STD. ERASABLE	REV. FACE UP						
								MYLAR	002 003 0015	WHITELAR SEPIA BLACK	REV. FACE UP					
								1880	BOND	VELLUM						
SE	DEPT.	DUE DATE	IN	OUT	RUN	TRIM	O.C.		SPLICE							
	WHITE PRINT								XEROX 7000/IBM	8 1/2 x 11 8 1/2 x 14	BOND TRANS.	REDUCED SAME SIZE				
	1880															
	Film															
	XEROX 7000 4M								PROJ. PAPER	KODAK BROWN KPS	11504 PHOTO VEL					
	JB .ONT.								CONTACT PAPER	KCS	COVT LITH	PROJ. THIN STD.				
SPECIAL INSTRUCTIONS										FILM NEG	TONER COPYLINE CRONAR	ACU-NIC HI-SPEED DUP.	COMM. CRONA-PAQUE			
<input type="checkbox"/> COLLATE <input type="checkbox"/> CERLOX <input type="checkbox"/> TRIM <input type="checkbox"/> BIND <input type="checkbox"/> FOLD <input type="checkbox"/> STAPLE <input type="checkbox"/> PUNCH HOLES <input type="checkbox"/> READ ATTACHED <input type="checkbox"/> REDUCE TO <input type="checkbox"/> ENLARGE TO <input type="checkbox"/> SAME SIZE										AUTO POSITIVE	PAPER FILM	REV. FACE UP	MACHINE FRAME			
										FILM POS. CONTACT PROJ.	FACE UP REV.	Cronaflex Copytime Cronar Clear	REPRO NEG.			
										WASH OFF FILM	AUTO POS	CONTACT	PROJECT			

**CASH**

**SALE**

S.T.P.					SCREEN NEGATIVE	PAN. NEGATIVE
No. Of Orig.	No. Prints of Each	LINE	HALF TONE	SIZE	SIZE	SIZE

SUB CONTRACT		
QUOTED BY	QUOTED PRICE	TOTAL 816
FEDERAL SALES TAX NO.		F.S.T. 73
		SUB TOTAL 889
PROVINCIAL SALES TAX NO.		PROV. TAX 53
LABOUR OR OVERTIME		

INVOICE NUMBER	QUALITY CHECK BY	BILLED BY
R 42588		
	DATE	DATE

TERMS. NET 30 DAYS

CUSTOMER SIGNATURE

DELIVERY CHARGES	
PAY THIS TOTAL	942

REPRODUCTION OFFICES

- HARBOUR CENTRE, VANCOUVER, B.C.
- 1111 MELVILLE ST., VANCOUVER, B.C.
- LOWER MALL, BENTALL III, VANCOUVER, B.C.
- 2407 BURRARD ST., VANCOUVER, B.C.

**SUPERIOR  
REPRODUCTIONS  
& PRINTING**

REMITTANCE TO:  
1111 MELVILLE ST.,  
VANCOUVER, B.C. V6E 3X5

REMOVED BY	TIME RECEIVED	PROMISED REQUESTED	DATE	DELIVER	WILL CALL	WAIT	WAIT DEL.	CUSTOMER P.O. NO.	REQ/JOB NO.
<i>[Signature]</i>	12:55	27/11	4 PM		K				

*W. Khun*

DATE 27 11 81 R 42524  
DAY MO. YR.

*6886092*

<b>S</b>	PICKED UP BY	S/C	SHIPPING INSTRUCTION	
<b>S</b>	DEL. BY	S/C	<input type="checkbox"/> MAIL	<input type="checkbox"/> BUS
			<input type="checkbox"/> AIR MAIL	<input type="checkbox"/> COLLECT
			<input type="checkbox"/> AIR EXPRESS	<input type="checkbox"/> PREPAID

ORDERED BY \_\_\_\_\_ PLEASE QUOTE INVOICE NUMBER ON PAYMENT

PRINTS TO:		No. Of Orig.	No. Prints of Each	DESCRIPTION				TOTAL SQ. FT.	UNIT PRICE	AMOUNT
				WHITE PRINT	BLUE BLACK BROWN	FRAME	PREFOLD			
ORIGINALS TO:				WHITE PRINT	CARD	PLAIN PLASTIC	32 LB 56 LB			
				SEPIA	STD. ERASABLE	REV. FACE UP				
				MYLAR	002 003 0015	WHITELAR SEPIA BLACK	REV. FACE UP			
				1800	2080	BOND	YELLOW	(B) 375		30.00
				XEROX 7000/IBM	8 1/2 x 11 8 1/2 x 14	BOND TRANS.	REDUCED SAME SIZE	5mm		4.20
				PROJ. PAPER	KODAK BRO KPS	41504 PHOTO VEL				
				CONTACT PAPER	KCS	COMT. LENS	PROJ. TMR STD.			
				FILM NEG	TONER COPYLINE CROWNAG	ACU-NET HI-SPEED DUP.	COMM. CRONA-PAGUE			

SPECIAL INSTRUCTIONS

- COLLATE  CERLOX  TRIM  BIND
- FOLD  STAPLE  PUNCH HOLES
- READ ATTACHED  REDUCE TO  ENLARGE TO  SAME SIZE

AUTO POSITIVE	PAPER FILM	REV. FACE UP	MACHINE FRAME
FILM POS. CONTACT PROJ.	FACE UP REV.	Cronaflex Copyline Cronar Clear	REPRO NEG.
WASH OFF FILM	AUTO PGE	CONTACT	PROJECT

**SALE**

*lighter  
contour lines  
a bit.*

S.T.P.					SCREEN NEGATIVE	PAN NEGATIVE
No. Of Orig.	No. Prints of Each	LINE	HALF TONE	SIZE	SIZE	SIZE

SUB CONTRACT		
QUOTED BY	QUOTED PRICE	TOTAL <i>30.00</i>
FEDERAL SALES TAX NO.		F.S.T. <i>3.20</i>
		SUB TOTAL <i>33.20</i>
PROVINCIAL SALES TAX NO.		PROV. TAX <i>3.74</i>
LABOUR OR OVERTIME		

NUMBER	QUALITY CHECK	BILLED BY
524	BY DATE	DATE

TERMS: NET 30 DAYS

DELIVERY CHARGES	
PAY THIS TOTAL	<i>40.14</i>

CUSTOMER SIGNATURE \_\_\_\_\_





# BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

W. Kuhn,  
Box 48812,  
Vancouver, B.C.,  
V7X 1A6.

INVOICE: **F 27497**

DATE: **Oct. 20, 1981**

REPORT NO: **41-753**

PROJECT: **Southwest Grid**

---

20 Analyses of Molybdenum	<del>0</del> \$1.75	\$35.00
20 Analyses of Tungsten	<del>0</del> \$3.75	\$75.00
20 Soil sample prep.	<del>0</del> \$0.60	<u>\$12.00</u>

TOTAL: \$122.00



# BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

Mr. W. Kuhn  
Box 48812  
Vancouver, B.C.  
V7X 1A6

INVOICE: **F 7680**  
DATE: November 19, 1981  
REPORT NO: 41-753  
PROJECT:

---

20 Analyses of Gold

~~65.25~~

\$105.00

TOTAL:

\$105.00

*Paid 583*



# BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

W. Kuhn  
P.O. Box 48812  
Vancouver, B.C.  
V7X 1A6

INVOICE: **F 07563**  
DATE: Oct. 30, 1981  
REPORT NO: 41-751  
PROJECT: North Grid

---

31 Analyses of Silver/Molybdenum	@\$2.50	\$ 77.50
31 Analyses of Tungsten	3.75	116.25
31 Soil sample prep.	0.60	<u>18.60</u>

TOTAL: \$212.35



# BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

W. Kuhn  
P.O. Box 48812  
Vancouver, B.C.  
V7X 1A6

INVOICE: **F 17615**

DATE: Nov. 5, 1981

REPORT NO: 41-763

PROJECT:

---

2 Analyses of Silver/ Molybdenum	@\$2.50	\$ 5.00
5 Analyses of Tin	3.75	18.75
5 Analyses of Tungsten	3.75	18.75
5 Rock sample prep.	2.50	<u>12.50</u>
	<b>TOTAL:</b>	<b><u>\$55.00</u></b>





# BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

Mr. W. Kuhn  
Box 48812  
Vancouver, B.C.  
V7X 1A6

INVOICE: **F 7675**

DATE: November 19, 198

REPORT NO: A41-291

PROJECT:

1 Assay Analyses of Gold, Silver	@\$11.00	\$ 11.00
12 Assay Analyses of Gold	@\$ 8.00	96.00
1 Assay Analyses of Molybdenum	@\$ 6.50	6.50
13 Assay Analyses of Tungsten	@\$9.00	117.00
190 Pounds of excessively wet samples	@\$ 0.30	<u>57.00</u>

TOTAL: \$287.50

*Paid 583*





# BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

Mr. W. Kuhn  
Box 48812  
Vancouver, B.C.  
V7X 1A6

INVOICE: **F 17685**  
DATE: November 20, 1981  
REPORT NO: 41-751  
PROJECT:

*Paul*

31 Analyses of Gold

655.25

\$162.75

TOTAL:

\$162.75



# BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

Mr. W. Kuhn  
Box 48812  
Vancouver, B.C.  
V7X 1A6

INVOICE: **F 77702**  
DATE: November 30, 1981  
REPORT NO: A41-291  
PROJECT:

---

5 Analyses of Tungsten

6\$9.00

\$45.00

TOTAL:

\$45.00



# BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

Mr. W. Kuhn  
Box 48812  
Vancouver, B.C.  
V7X 1A6

INVOICE: **F 17712**  
DATE: **December 2, 1981**  
REPORT NO: **41-763**  
PROJECT:

5 Analyses of Gold

@\$5.25

\$26.25

TOTAL:

\$26.25

EXCAVATION AND ROCK SAMPLING CARRIED OUT ON  
THE RAM AND MAY CLAIM GROUP, TURNAGAIN RIVER  
LIARD MINING DISTRICT, B.C.

N.T.S.: 104I-9

LATITUDE: 58°41'N

LONGITUDE: 128°06'W

BY: T. LIVERTON

TABLE OF CONTENTS

	<u>Page</u>
LOCATION	1
REGIONAL GEOLOGY AND MINERALIZATION	1
PREVIOUS WORK	2
THE PRESENT WORK	2
COMMENTS, RECOMMENDATIONS	4
COSTS	5
 MAPS: LOCATION, CLAIM GROUP, GEOLOGY AND SAMPLING	 Envelope

## LOCATION

The Ram and May claims are approximately 167 kilometres south-southeast of Watson Lake on the west side of the Turnagain River, opposite the junction with the Cassiar River. The mineralized region is well above the tree-line in this region, grass and scree being the only impediment to rock exposure. Access is best obtained by use of helicopter from Watson Lake or Dease Lake, where a variety of machines are based during the summer.

## REGIONAL GEOLOGY AND MINERALIZATION

The claims cover the region of the contact of both portions of the Cassiar Batholith and a Quartz-Monzonite stock with Lower Palaeozoic carbonates and pelites. A large expanse of dolomite at the north edge of the claim is likely a thrust sheet of similar age carbonates. Scheelite occurs on the Ram, May and adjoining Sheep and Ewe claims in diopside-garnet and vesuvianite rich skarns developed close to the granitic contacts, together with variable amounts of molybdenite.

Porphyry dykes on the adjoining Herb group contain perhaps significant silver values.

### PREVIOUS WORK

The tungsten mineralization was originally discovered by Bill Kuhn in the late 1960's in this region whilst he was a prospector with El Paso's Exploration Company Rip Van Mining. They carried out considerable exploration work on the Ewe claims, but little to the north.

The Ram and May group was optioned to Union Carbide Exploration during 1977-79 and they mapped the claims and carried out a limited programme of surface sampling and some diamond drilling, the major two holes being either abandoned before target depth or collared in an inappropriate location to intersect the skarn horizons. The claims reverted back to Bill Kuhn in 1980, who has been keeping up some physical work on the ground since then.

### THE PRESENT WORK

This portion of the 1981 assessment work was an attempt to obtain new sample data for both the upper and lower skarn units on the Ram and May claims. In particular it was desired to expose the lower unit well to west of known outcrop.

A trench and pit were dug on strike with the last skarn exposure mapped. The trench was dug 3.2 metres into the hillside, finishing with a 1.7 metre face, without striking any rock exposure. The top half of the talus at

this spot consisted largely of a fine-grained (rhyolitic) porphyry, which is presumably from a dyke close upslope. The lower section consisted of limestone boulders with much pyrolusite.

The pit (2.7 metres into the hillside, 1.9 metres deep) encountered suboutcrop of skarn at the bottom. The skarn (diopside-garnet) contains coarse (5 mm) molybdenite as well as some scheelite. Too small a vertical section was exposed to sample the skarn, but the pit warrants deepening and sampling in the future.

Six large chip samples were cut from the outcrops to the east of the pit: numbers 1, 2 together; 3, 4 at separate locations and 5, 6 together. The sample localities are shown on the accompanying 1:1,500 scale map. These samples were carefully cut, taking care to obtain as closely a representative sample as possible.

Sample 1 disappeared somewhere between the field and the assayers. Results of the remaining samples are as follows:

<u>Sample</u>	<u>Length</u>	<u>True Thickness</u>	<u>Assay % W<sub>O</sub><sub>3</sub></u>
1	3.5 m	3.3 m	?
2	3.25 m	3.06 m	0.096
3	2.6 m	2.59 m	0.33
4	5.9 m	4.99 m	0.98
5	3.35 m	3.28 m	1.41
6	4.1 m	3.38 m	1.29

Average of 5 and 6 = 6.58 metres of 1.35%



COMMENTS, RECOMMENDATIONS

The samples show that some interesting grade material may be found on these exposures. There are other rock faces that have not been sampled at close intervals, particularly on the north side of the ridge and this should be attempted in the future to obtain a better idea of grade distribution present at the surface. Similar work is being undertaken on the Sheep claims, to the south. Striking the lower skarn in the pit is encouraging and the obvious next step is to enlarge the pit and obtain a sample across the skarn. This could be attempted next year if desired, but will require much physical effort to unearth any length of exposure.

It is felt that this lower skarn unit offers the best grade potential, but little of it is exposed. Much more physical work could be performed on these claims before a true idea of grades will be obtained.

Timothy J. Jurek

COSTS

Work was carried out between the 6th and 9th September 1981, flying out to Dease on the 10th.

Costs are as follows:

T.Liverton, 4 days at \$150 per day	\$ 600.00
Assays	27.00
Airfreight: Samples to Whitehorse	26.22
Travel: Dease Lake to Watson	40.00
Camp Supplies	75.00
Report Preparation (3 days' work, typing, dyeline printing, etc.)	<u>450.00</u>
	<u><u>\$1,218.22</u></u>

*Timothy Liverton*

STATEMENT OF QUALIFICATIONS OF AUTHOR

Timothy Liverton - Graduated from the University of Sydney with a B Sc degree in Geology and Geophysics in 1964.

Experience:

(In Australia)

- 1965 - Employed by R. Hare & Associates (consultants) to work on tin, tungsten, and copper mines and prospects in Queensland and Western Australia. Work included surface and underground surveying and geological mapping, supervision of diamond drilling and regional mapping.
- 1966 - 1967 - Employed by the Electrolytic Zinc Company of A'Asia Limited. to work on base metal exploration in southern N.S.W. and uranium prospect in South Australia. Work involved detailed mapping, supervision of drilling, geochemical surveys and geophysics and petrographic studies.
- 1968 - 1970 - Employed by Trans Australiam Exploration (Mc Phar, Sumitomo, St. Joseph, Bethlehem Copper) to carry out regional mapping and prospecting over 2000 square miles of Queensland to explore for copper, molybdenum and tungsten.
- 1971 & 1972 - Employed by ANZ Exploration (Union Carbide) to carry out uranium exploration in the Northern Territory in the Alligator River region.

(In Canada & Abroad)

- 1973 - Working as a civil engineer in England, supervising harbour construction.
- 1974 to 1979 - Employed by Union Carbide Canada Limited to work in Yukon and Northern British Columbia tungsten projects during the summer. During the winter months working on reconnaissance for quartz in Greenland, for Manganese in Amazonia, Brazil; as a mine geologist at the Pine Creek Mine, California, on Tungsten exploration in Norway and development work in Portugal.
- 1980 & 1981 - Self-employed, carrying out various projects in the Yukon, Northern B.C, and Saskatchewan (Geological mapping, surveying and property examination) for exploration companies.



# BONDAR-CLEGG & COMPANY LTD.

1368 INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523

TELEX: 036-8-460

## Certificate of Analysis

TO W. Kuhn, c/o Frontier Helicopters  
P.O. Box 10  
Watson Lake, Yukon Y0A 1C0

REPORT NO. ... A41-247 .....

DATE ..... October 16, 1981 .....

I hereby certify that the following are the results of analyses made by us upon the herein described ... rock ..... samples

MARKED	%	.%							
	Mo	WO3							
9/9-2	L0.005	0.096							
9/9-3	L0.005	0.33							
9/9-4	L0.005	0.98							
9/9-5	L0.005	1.41							
9/9-6	L0.005	1.29							

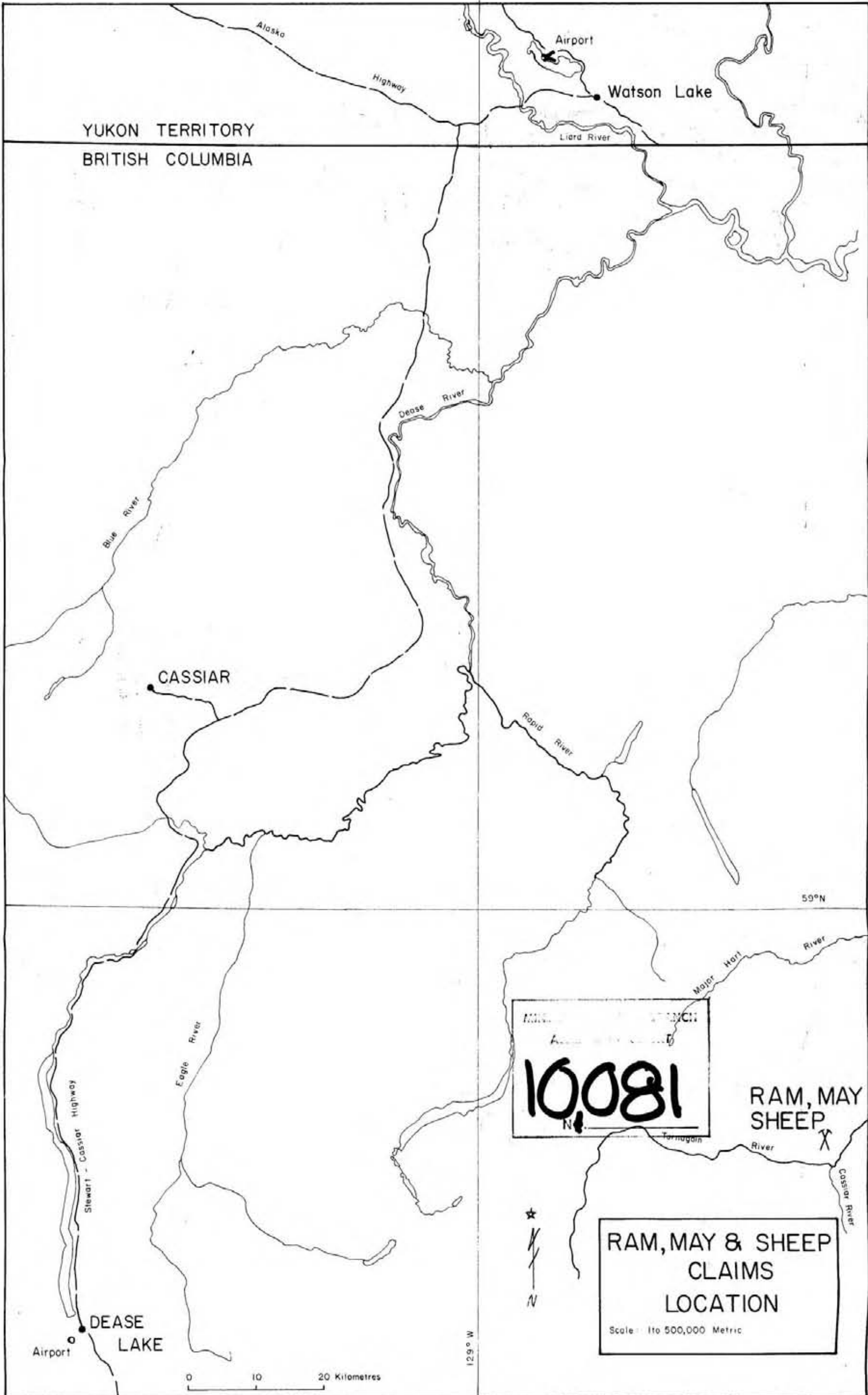
L - denotes less than

BONDAR-CLEGG & COMPANY LTD.

NOTE:

Rejects retained two weeks  
Pulps retained three months  
..... retained.

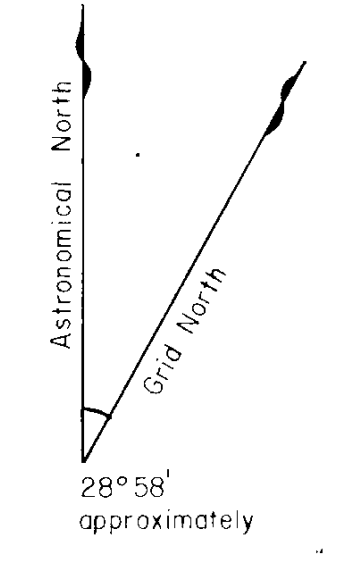
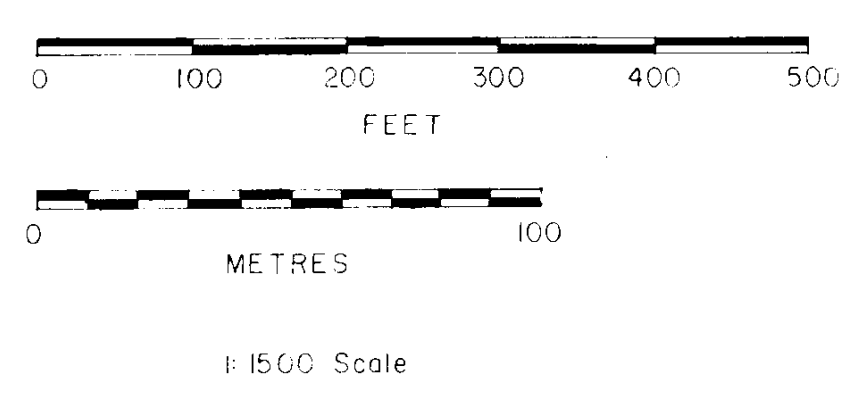
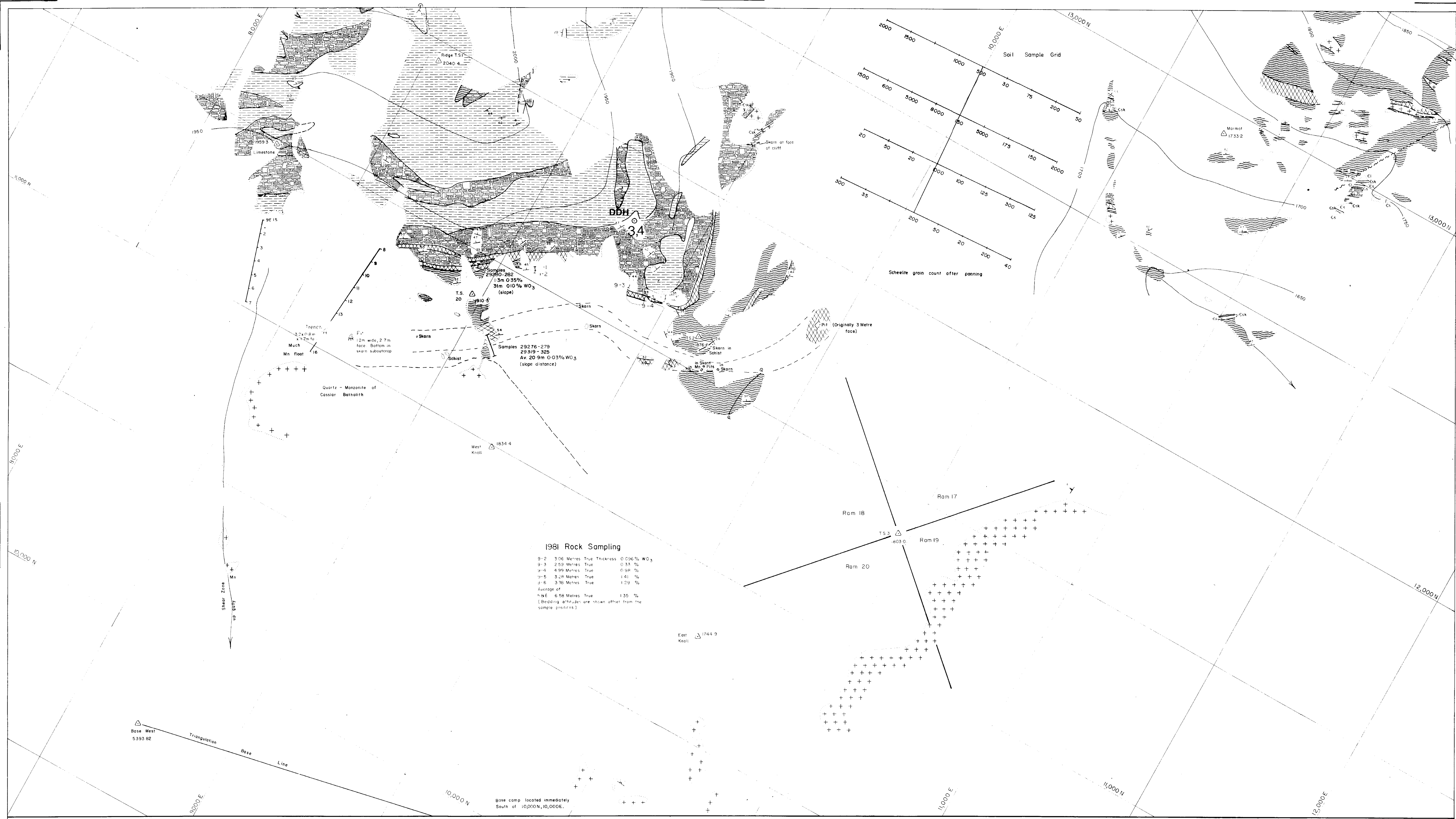
*Steven Seeger*  
.....



Access LOCATION MAP - # 1







Vertical and horizontal control was provided by a small network of triangulation stations. Mapping was by tachometry with some limited compass, tape and clinometer traversing. Contours shown in Metric units (50metre interval).

The L.C.P. for Ram 19 & 20 claims has been used as a triangulation station and is therefore accurately located with respect to topographic and geological detail. L.C.P.'s for Ram 101 & 102 are shown only approximately since they were located after mapping was completed and spotted from topography.

mn denotes pyralisite occurrences.

- LEGEND**
- Limits of rock exposure
  - Topographic contours
  - Gully
  - Triangulation station
  - Sample interval on horizontal or inclined surface
  - Sample interval, vertical
  - Corner post
  - Strike & dip of bedding
  - Strike & dip of foliation
  - Plunge of fold axis
  - Geological contact - accurate
  - Geological contact - approximate
  - Geological contact - inferred
  - Fault - minor
  - Fault - major thrust

- LITHOLOGIES**
- Jurassic or Cretaceous
    - Quartz veins (of minor abundance)
    - Quartz - Monzonite and leucocratic dyke rocks
    - Calc-silicate hornfels with skarn bands
  - Lower Cambrian
    - Phyllite and quartz - muscovite - biotite schist
    - Dolomite and partially dolomitised limestone
    - Limestone (W.B. indicates "wavy-banded" i.e. marly facies)
    - massive yellow dolomite
  - Proterozoic ?

10,081

RAM AND MAY CLAIM GROUP  
TURNAGAIN RIVER, B.C.

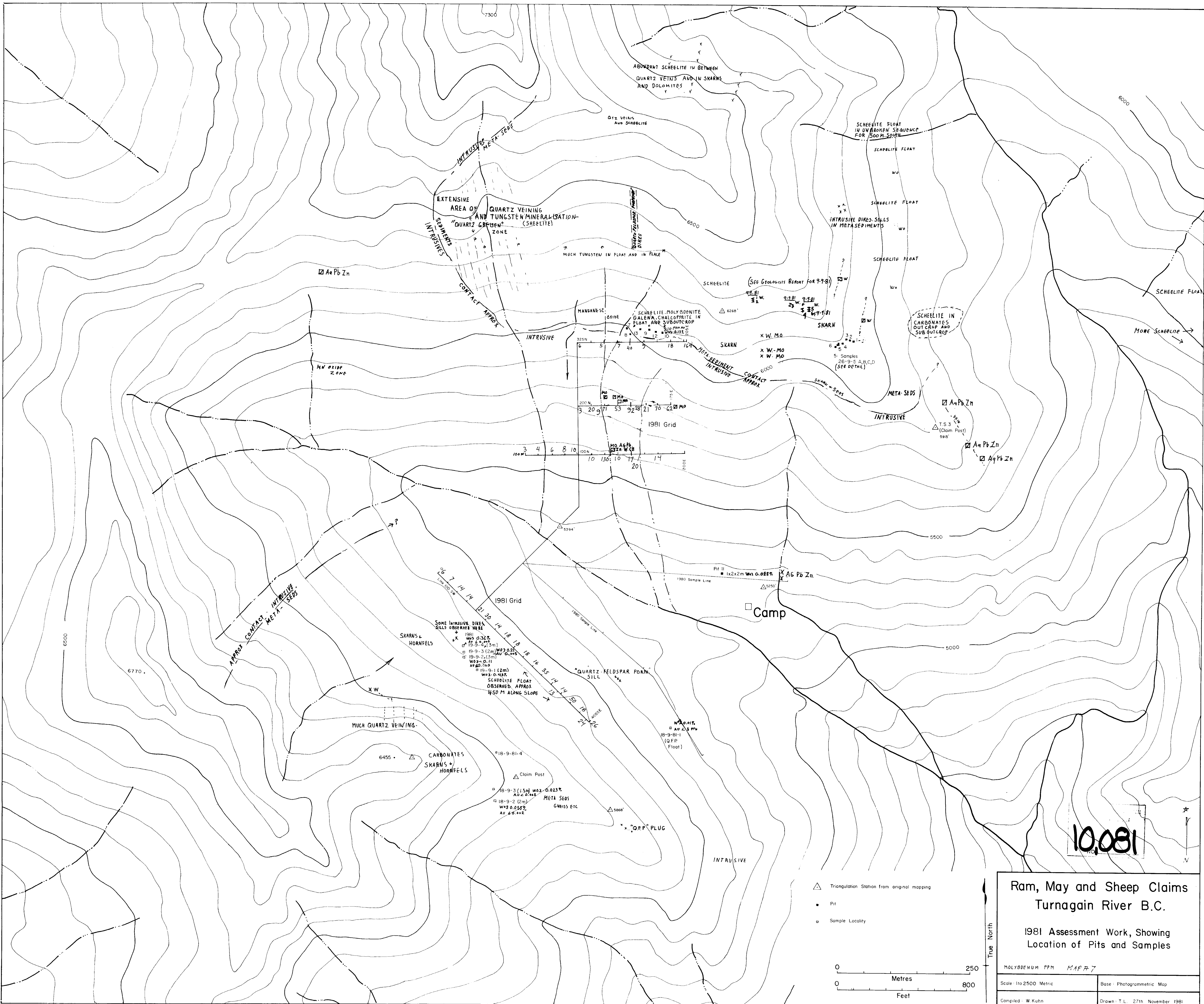
**GEOLOGY**

From Original 1977 Mapping with  
Addition of Sampling and Pits Sunk  
During September 1981

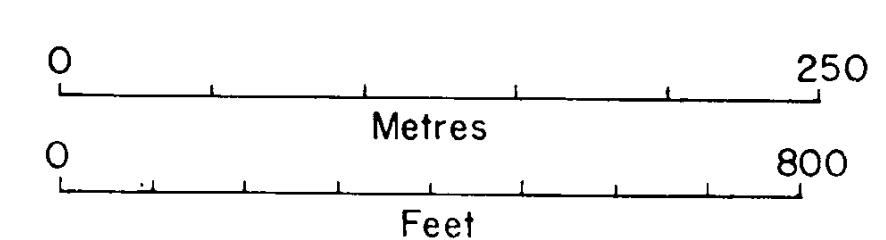
Location of Samples - Compass traverses

T. Liverton, November 1981.



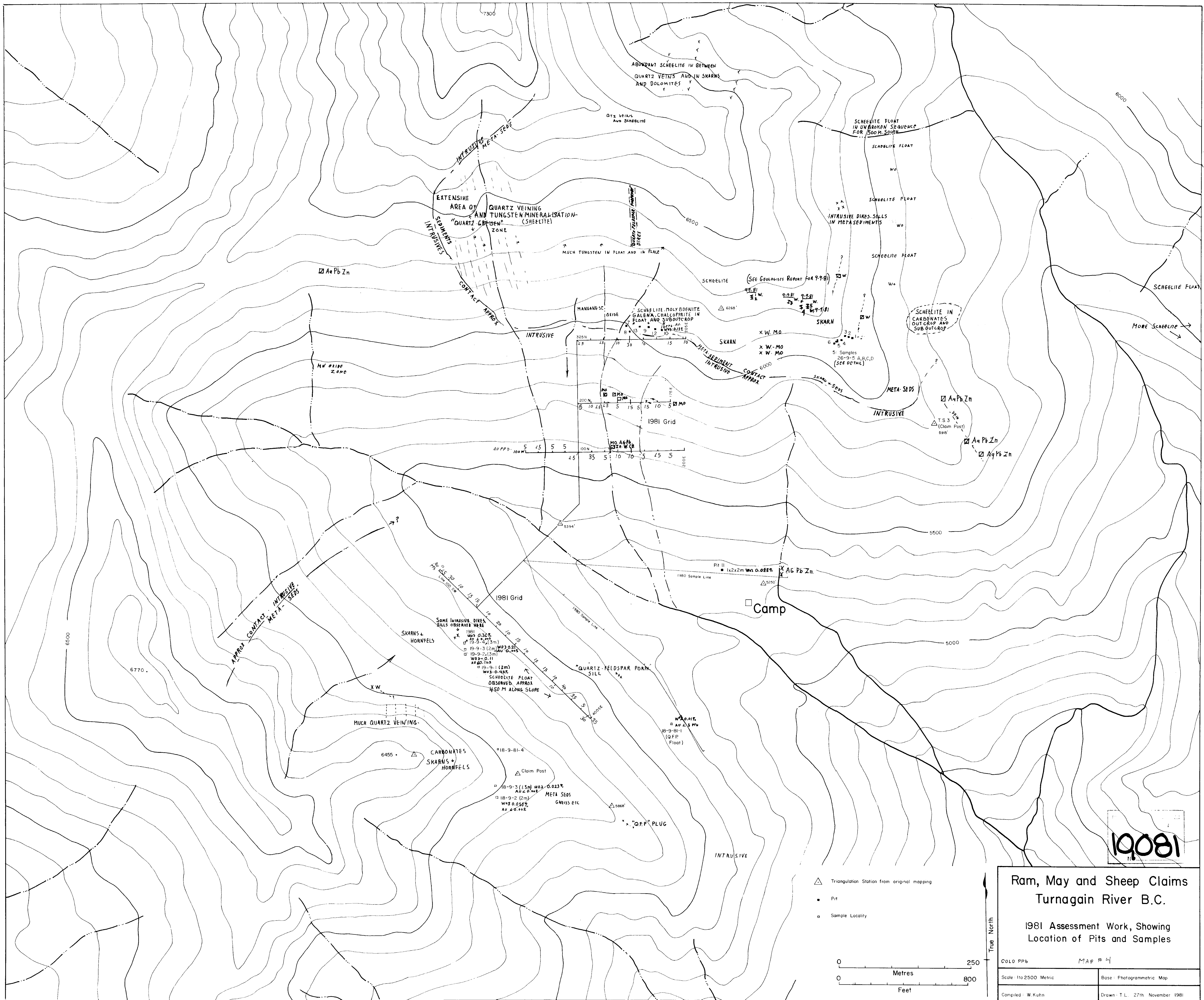


- △ Triangulation Station from original mapping
- Pit
- Sample Locality



<p><b>Ram, May and Sheep Claims</b> Turnagain River B.C.</p> <p>1981 Assessment Work, Showing Location of Pits and Samples</p>	
MOLYBDENUM PPM	MAP # 7
Scale: 1 to 2500 Metric	Base: Photogrammetric Map
Compiled: W. Kuhn	Drawn: T.L. 27th November 1981

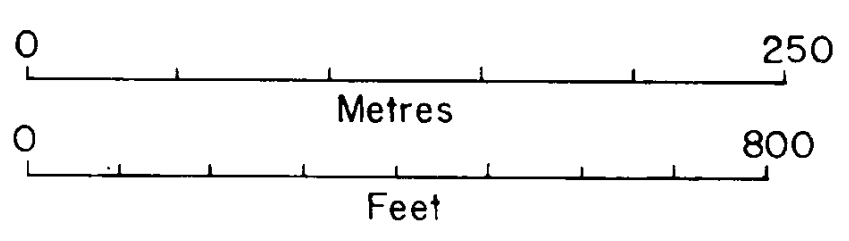




1981

Ram, May and Sheep Claims  
Turnagain River B.C.  
1981 Assessment Work, Showing  
Location of Pits and Samples

- △ Triangulation Station from original mapping
- Pit
- Sample Locality



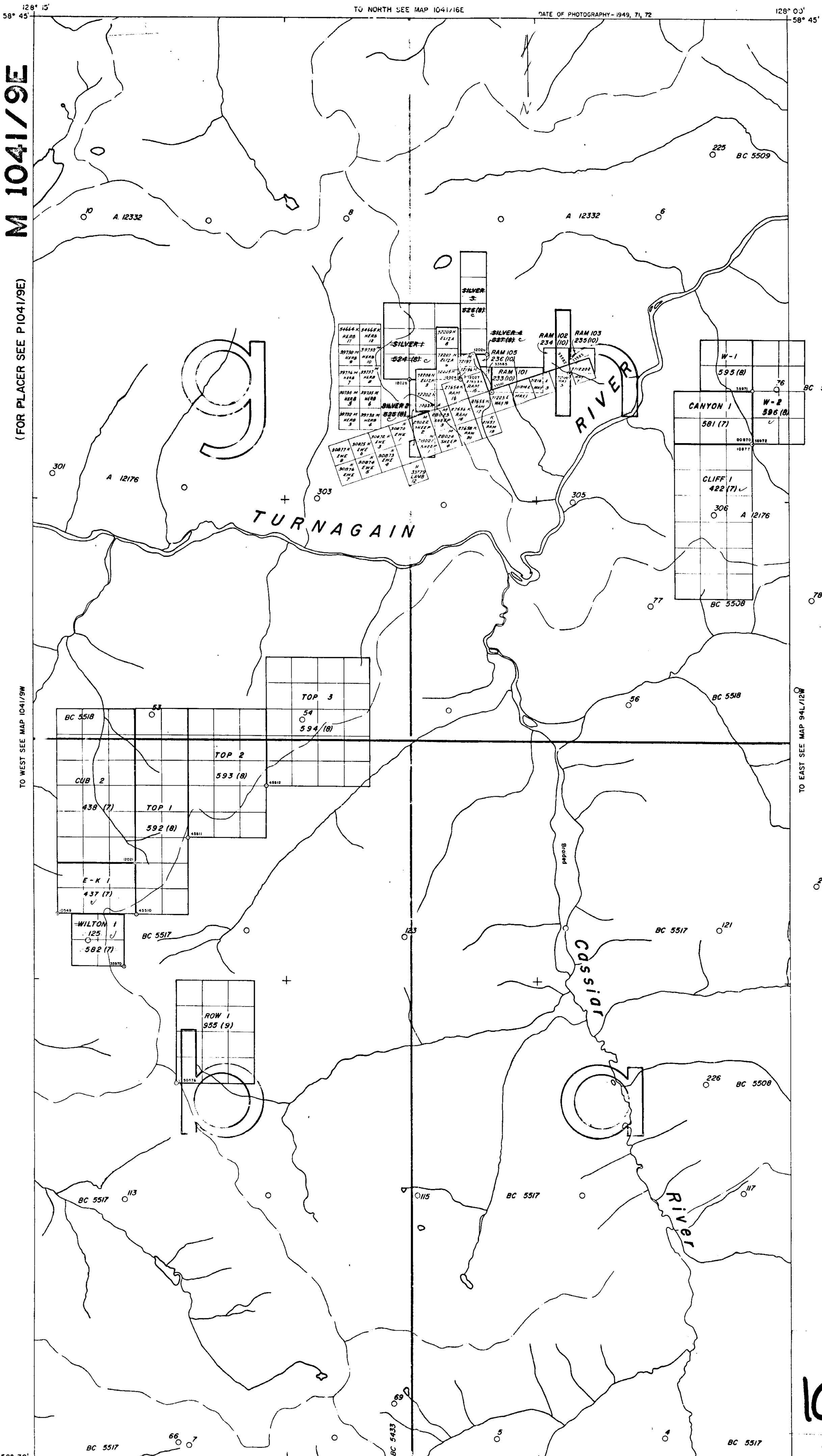
COLD PP6 MAP # 4	
Scale: 1 to 2500 Metric	Base: Photogrammetric Map
Compiled: W. Kuhn	Drawn: T.L. 27th November 1981

M 1041/9E

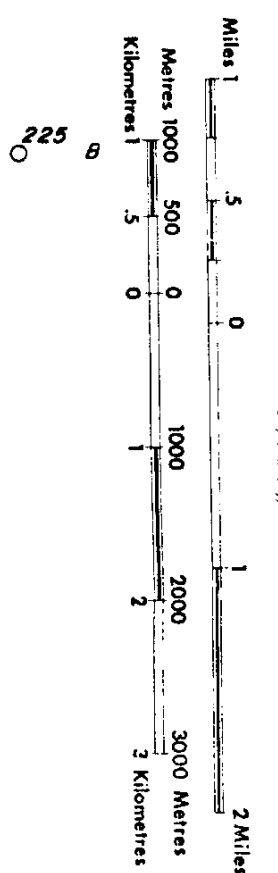
(FOR PLACER SEE P 1041/9E)

TO WEST SEE MAP 1041/9W

TO EAST SEE MAP 94/12W



LEGEND  
 CROWN-GRANTED MINERAL CLAIM  
 FORFEITED MINERAL CLAIM  
 VERIFIED LEGAL CORNER POST  
 LEGAL CORNER POST & TAG NUMBER ORANGE



UNLESS VERIFIED OR SURVEYED THE MAP POSITION OF A LEGAL CORNER POST IS BASED ON THE LOCATOR'S SKETCH FOR FURTHER INFORMATION, APPLY TO THE OFFICE OF THE MINING DIVISION CONCERNED.  
 DATE OF MICROFILM: 8/10/01

128° 00' LIARD MINING DIVISION  
 Mining Division Boundary  
 Indian Reservation  
 Mineral and Placer Reserve

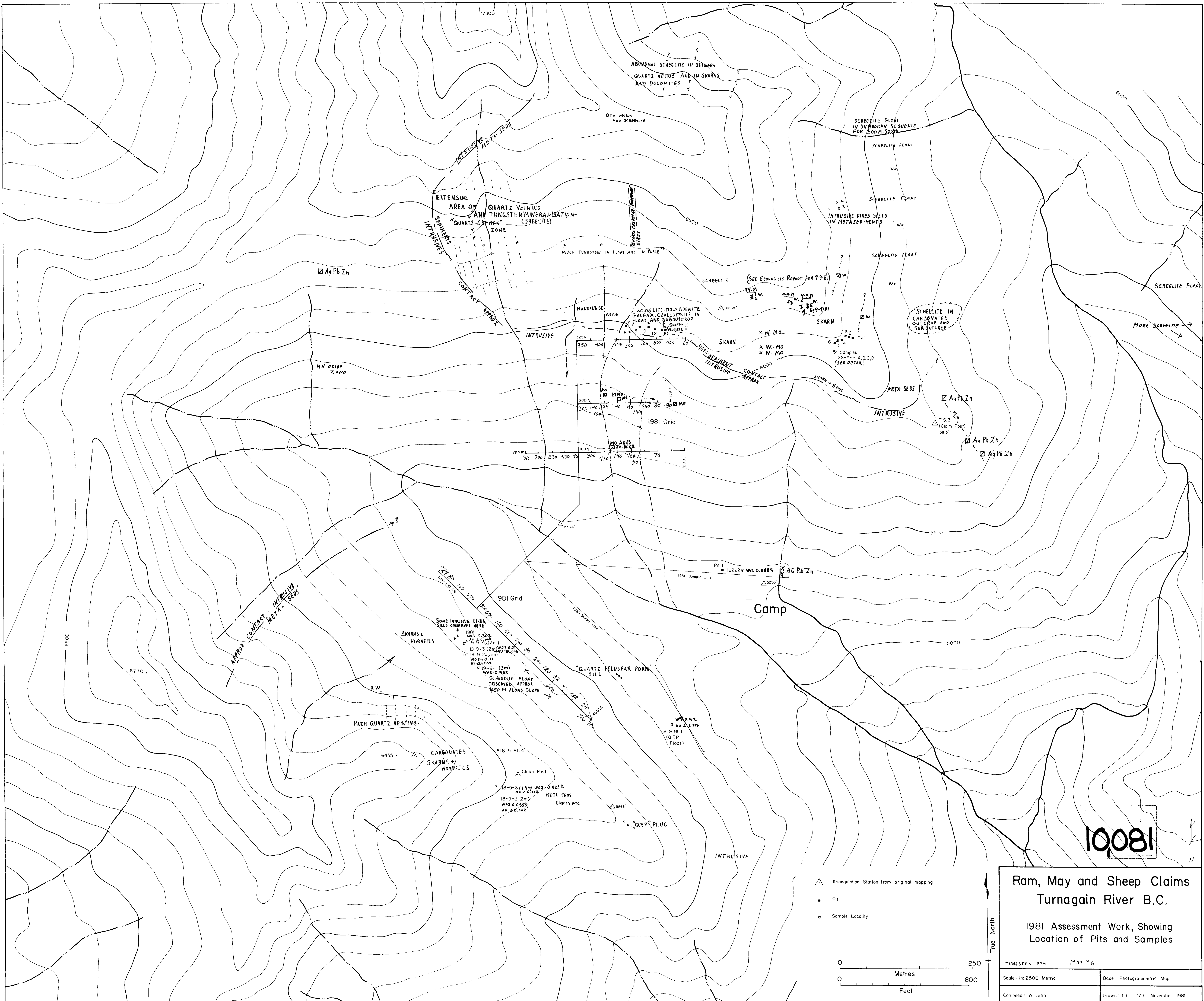
TO SOUTH SEE MAP 1041/8E

**MINERAL TITLES REFERENCE MAP 1041/9E**  
 DEPARTMENT OF MINES AND PETROLEUM RESOURCES VICTORIA, B.C.

10081 M 1041

LOCATION CLAIM MAP #2

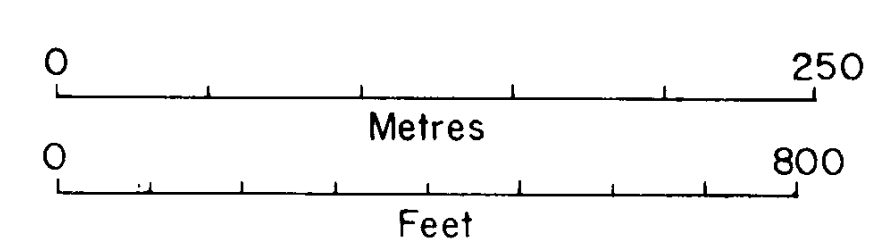




10081

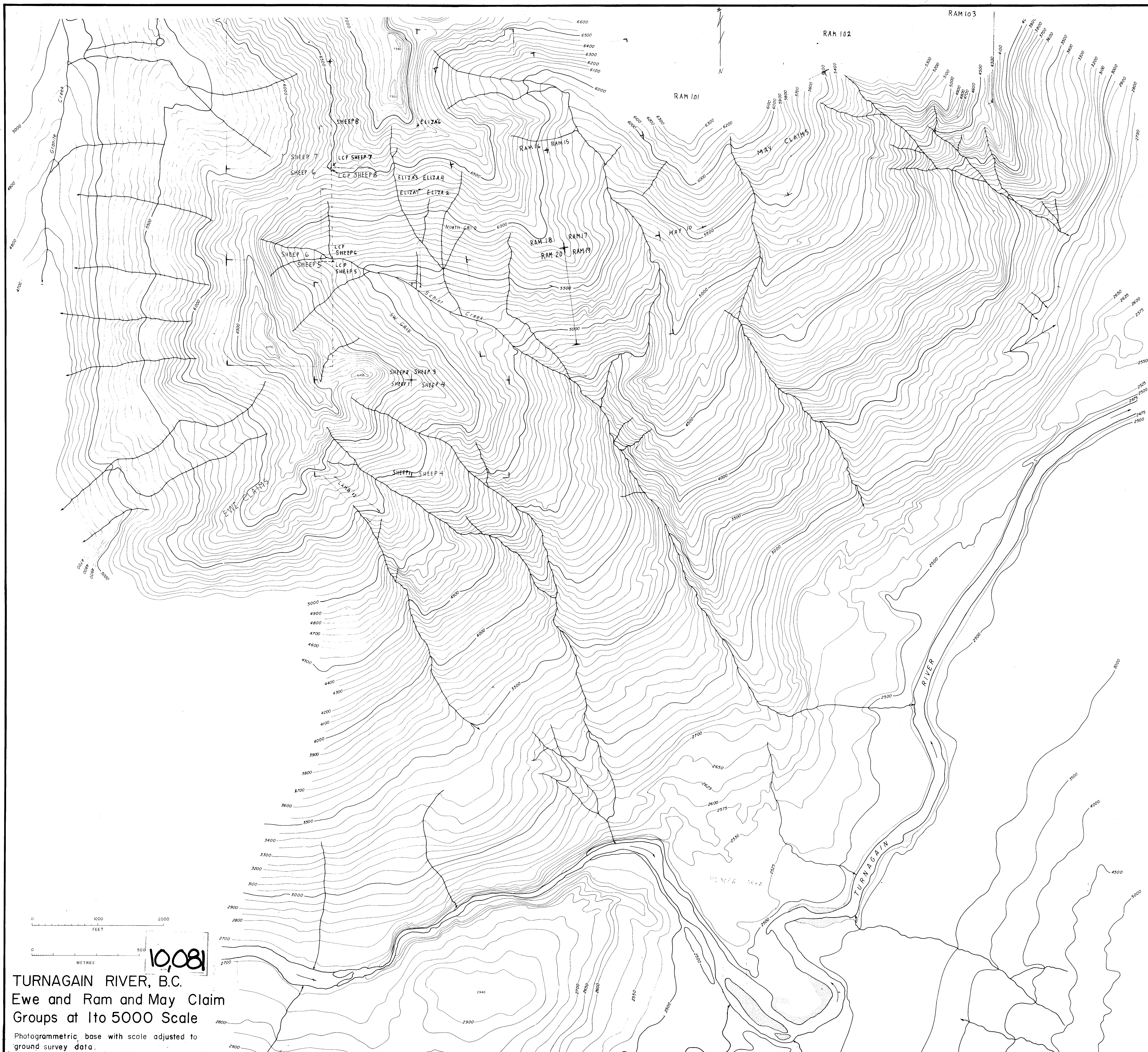
Ram, May and Sheep Claims  
Turnagain River B.C.  
1981 Assessment Work, Showing  
Location of Pits and Samples

- △ Triangulation Station from original mapping
- Pit
- Sample Locality



UNRESTEN PPM MAP #6	
Scale: 1 to 2500 Metric	Base: Photogrammetric Map
Compiled: W. Kuhn	Drawn: T.L. 27th November 1981





**TURNAGAIN RIVER, B.C.**  
**Ewe and Ram and May Claim**  
**Groups at 1 to 5000 Scale**

Photogrammetric base with scale adjusted to ground survey data.

Contour interval: 50 Feet, except where shown at 25 foot intervals.

DETAIL CLAIM BOUNDARY MAP # 3