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District (	Geologist, Smithers	Off Confidential: 89.08.22
ASSESSMEN	T REPORT 18021 MINING DIVIS	ION: Atlin
PROPERTY:		
LOCATION:	LAT 58 04 00 LONG 132 UTM 08 6439186 661243 NTS 104K01W	16 00
CLAIM(S):	Bandit 1-4,Hijack 1-2	
OPERATOR (	S): Dia Met Min.	
AUTHOR(S)	: Schiller, E.A.;Fipke, C.E.	
REPORT YEA	AR: 1988, 37 Pages	
COMMODITI	ES	
SEARCHED	FOR: Gold	
GEOLOGICA	L	
SUMMARY:	The property is underlain by	a pre-Upper Triassic phyllite
	package consisting of siliceous s	iltstones to phyllitic greenstones.
	Unconformably overlying these roo	ks is a package of andesitic to
	basaltic tuffs.	
WORK		
DONE:	Geochemical	
	HMIN 32 sample(s) ;AU,ME	
	Map(s) - 6; Scale(s) - 1:1000	
RELATED		
PORTS:	10755,11824,16360,17745	
\_/NFILE:	104K 086	

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ASSESSEMENT REPORT

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ON

BANDIT CLAIMS

#### ATLIN MINING DIVISION

LAT. 58 04' N

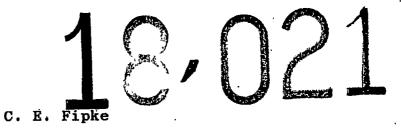
LONG. 132 16' W

for

DIA MET MINERALS LTD. CHEVRON EXPLORATION

> GEOLOGICAL BRANCH ASSESSMENT REPOPT

FILMED



NOVEMBER 15, 1988

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Heavy Mineral Results Figure 8 Pocket Sb-ppm

Figure 9

Heavy Mineral Results-

Gold Recovered in micrograms

Pocket

# Table 11988 Heavy Mineral AnalyticalResultsPocket

Table 21987 Heavy Mineral AnalyticalResultsPocket

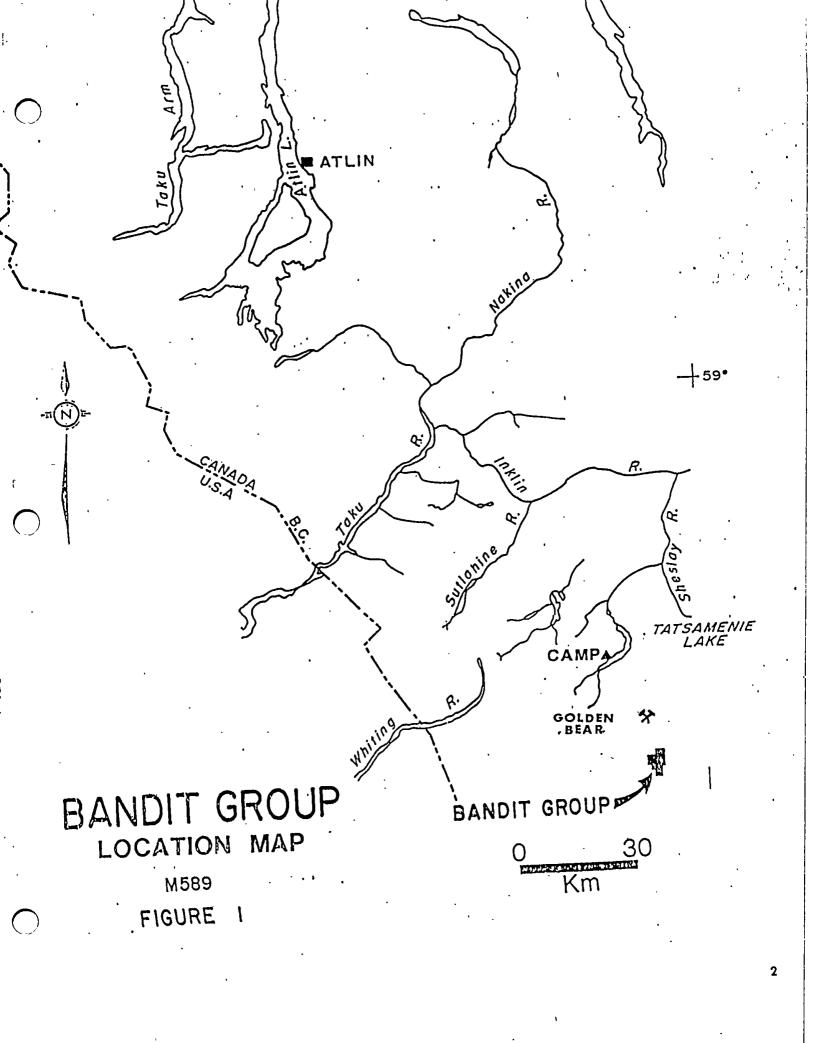
# GEOLOGICAL / GEOCHEMICAL REPORT OF THE BANDIT CLAIMS OF N.W. BRITISH COLUMBIA

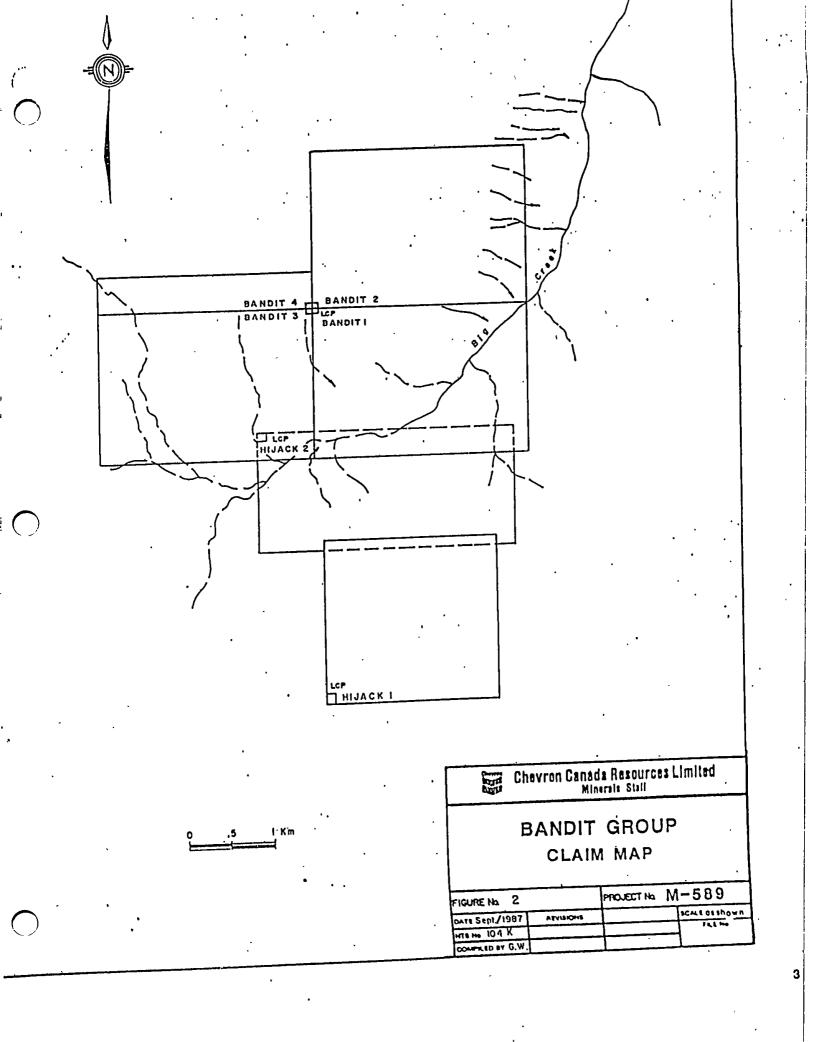
#### Introduction

The Bandit Group claims consist of a 96 unit claim block staked in 1981 and 1983 by Chevron Canada Resources Limited (Figure 1). The claims (Figure 2) are part of a joint venture in which Dia Met Minerals Limited has the right to operate and earn a fifty percent interest in the claims by completing best efforts claims expenditure of \$200,000.00 in 1988. Lightning Creek Mines is negotiating the right to earn one-third of Dia Met Minerals Limited interest by funding one-third of the required expenditures.

Norms Manufacturing and Geoservices Ltd. of Kelowna was contracted on behalf of Dia Met Minerals Ltd. to collect progress and analyze 32 bulk heavy mineral talus samples . These samples were to be collected (35-50)meters downslope from the intensely gold anomalous areas of the "Ram Reef" on the Bandit Claims.

The objective was to confirm that the previous extra ordinarily anomalous heavy mineral gold results were attributable to natural gold from the Ram Reef Area on the Bandit Claims. In addition it was hoped that high density heavy mineral results could be used to identify drill targets on the claims.





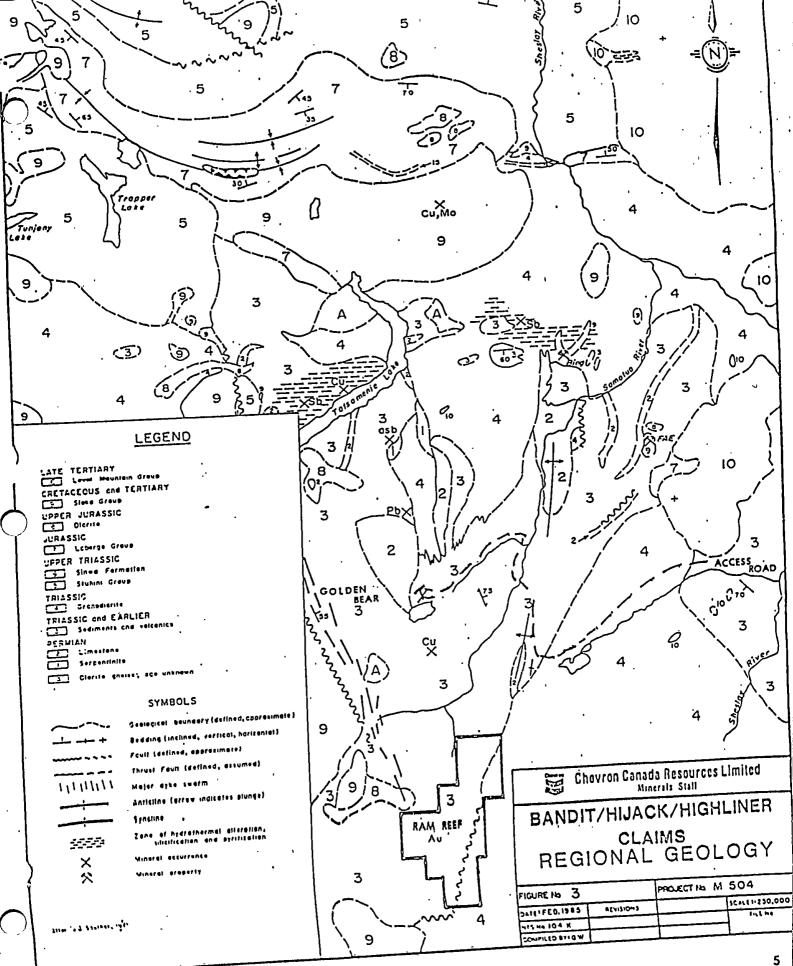
#### Location and Access

The claims are accessible by flying to the Golden Bear gold deposit airstrip from Atlin, 130 kilometers to the north; or from Dease Lake, 140 kilometers to the east. A helicopter is usually used to gain access to the claims situated twelve kilometers south of the strip.

The Golden Bear gold mine access road to the Alaska Highway and Telegraph Creek, B.C. is scheduled for completion in 1988. The access road is scheduled to pass about eight kilometers N.N.E. of the Bandit claims (Figure 3).

#### History of Development

Since 1981, Chevron Minerals Limited has completed several phases of geochemical soil and rock sampling, trenching and well detailed geological mapping over large, as as restricted, portions of the claims. In 1987, Godfrey Walton and C.E. Fipke visited the property by helicopter and decided to utilize heavy mineral sampling of -6 mesh talus fines to identify most auriferous zones along a one kilometer section of the 2-1/2 kilometer Ram Reef zone located along a talus covered mountainside on the claims. The following is a summary of information compiled from four assessment reports completed by Chevron Minerals' geologists, Mike Thicke and Ken Shannon (1982); M. Thicke and D. Shaw (1983); Godfrey Walton (1985); and Lorie Moffat and Godfrey Walton (1987). In



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addition, the report includes previous low density and recent (high density) heavy mineral results and interpretations by geologist C.E. Fipke of C.F. Minerals Research Limited.

#### Regional and Detailed Geology

The claims are predominantly underlain by the Triassic and earlier greenstone volcanic, phyllite, and limestone units that host the Golden Bear fault-controlled gold deposit, located thirteen kilometers to the north (Figure 3). This basement unit stratigraphy, known as the Stikine Terrane, has been subjected to at least two phases of folding. The limbs of a predominant Phase 2 antiform -- with axial plane striking northeasterly and dipping northwesterly at an average inclination of sixty degrees -- dip northwesterly towards a east-northeast trending, vertical to steeply north dipping fault zone known as the Ram (gold-quartz) Reef.

The folded Stikine stratigraphy is truncated by at least three additional significant fault structures.

The main structure visible in the Landsat images is the northeasterly trending structure that is apparent for thirty kilometers (Figure 3). This structure is on the eastern side of the claim block and represents, in part, the contact between the Stikine Terrane and the Triassic diorite. In addition, rhyolite dykes interpreted as Tertiary in age infill northeasterly trending structures at the northern boundary of the property. Pervasive silicification and quartz

veining on the claims appears to be controlled both by northeast (070 degrees) trending steep to vertical structures as well as by the east-northeast (020 degrees) trending steep to vertical structure at the Ram (quartz-gold) Reef on the Bandit claims.

A structure visible on the regional geological map (Souther, 1971) is a dyke swarm striking north-northwest (Figure 3). This dyke swarm is on the west side of the claims block. Steep to vertical north-northwest faulting has been identified in an area structurally mapped in detail one of the Ram Reef. The Golden kilometer south Bear mineralization is concentrated in fault gouges of major north-northwest steeply west dipping fault structures.

Another fault set strikes east-west and is steep to vertically inclined in the vicinity of the Ram Reef area. East-west faulting truncates Stikine stratigraphy against Triassic granodiorite at the southern extremity of the Bandit claims (Figure 3).

The folded Stikine stratigraphy is intruded by an Upper Jurassic hornblende diorite at the northwest part of the claims (Unit 8) and by an adjoining Tertiary felsite, quartz feldspar porphyry (Unit 9), three kilometers west of the claims (Figure 3). A similar porphyritic feldspar porphyry interpreted to be Tertiary in age intrudes Stikine stratigraphy within 0.5 kilometers north of the NE corner of the property.

#### Previous Geochemistry

1. Soil

Large portions of the Bandit 1 and 2 claims were grid soil sampled in 1982. The -80 mesh fractions were geochemically analyzed for Au-Ag-As-Sb, etc. The As-Sb results were mostly unanomalous but a large  $(2-1/2 \times 1)$  kilometer Au-Ag anomaly was found to be present downslope from the E.N.E. Ram reef zone.

2. Rock

During 1982 and 1983 about 200 rock samples were collected from the claims usually over about 1 meter widths of silicified outcrops or suboutcrops and quartz veins. About 10 grams of -100 mesh pulverized rock samples were analyzed for Au via fire assay fusion with hot aqua regia A.A. finish. Specific methods were also used to analyze for Ag-As-Sb. The results on Figure 5 demonstrate high anomalous gold in rock occur in several areas of all of the claims. The results are generally erratic but moderate and consistent Au anomalies occur in the area of the Ram Reef.

3. Trenching

A significant amount of trenching was completed in 1984 and 1987 along the steep slope of the Ram Reef (Figure 4).

Chevron Canada geologist Godfrey Walton reports that although trenches have penetrated 2 meters of the talus cover only about 40% of the trenches have penetrated to bedrock. The trenches have been continuous channel sampled over measured widths at commonly 1 meter intervals. The channel samples collected were pulverized to -100 mesh and quantitatively fine assayed by Chemex Labs in North Vancouver for Au-Ag.

The results of trenching to date give some erratic high gold values to 7.8 grams per ton and silver values to 56.8 grams per ton. The high Au values are indicated by Chevron geologists to be related to silicified areas at the intersection of steeply dipping N.N.E. (070 degrees) and the 7.8 and 6.75 grams per ton were obtained in adjoining trenches (RR4 and RR17) at the edge of the Central silicified zone of the Ram Reef (Figure 4).

Owing to the problem of trenching to bedrock on the steep talus-covered slope of the Ram Reef, 18 low density bulk samples, weighing 25-55 kilograms each, were collected by Chevron technicians at about 50 meter spacings along a line about 100 meters downslope and parallel to the Ram Reef. The bulk samples were reduced to about 10 Kg in size by wet sieving to -6 mesh at a nearby stream and submitted to C.F. Mineral Research Ltd. of Kelowna, B.C. for heavy mineral concentration. The analytical results completed by Activation Laboratory in Hamilton, Ontario were intensely anomalous in Au-Ag-Na in fine -150 mesh heavy non magnetic concentrates

and moderately anomalous in Au in -60+150 mesh, heavy non magnetic concetrates. These highest results were obtained downslope from two 150 X 50 meter zones of silicification downslope. From the Ram Reef fault. These high Au-Ag-Na zones of silicification are flanked by weak to moderate As and Sb. concentrate samples corresponding to the high Au-Ag-Na-silica zones were found to contain abundant very fine gold and micro quantities of pyrite and arsenopyrite.

#### Methodology Of Present Study.

Geologist C.E. Fipke accompanied by geotechnicians M.C. Fipke and Ray Dowson travelled to the Ram Reef area of the Bandit Claims and collected 32 bulk talus samples. These bulk samples were collected every 10 meters on lines 35-50 meters from the 50X150 meters mapped down slope zones of silicification along the Ram Reef fault zone. Each bulk sample was dry sieved so that +/-10-15 Kg Of -6 mesh talus was collected at each site. C. Fipke established the location of grid lines, inspected the geology and terrain for possible future drill sites, checked the area for possible contamination from trenching and supervised the sample collection.

The +400 Kg of bulk samples collected were helicopter ferried along with camp equipment required to Km 50 on the road to the Golden Bear Au deposit. From "Km 50 " the samples and equipment were trucked to Dease Lake and then to the C.F. Mineral Research Ltd. Laboratory in Kelowna, British Columbia.

At C.F.M., each +/- 10 kilogram sample was weighed, washed, wet sieved, jigged and dried. About 2,000 grams of -20+35 mesh and 2,000 grams of -35+60 mesh jig concentrates were stored dry for possible future use. All of the resultant -60 mesh portions of the original samples were submitted to methylene iodide heavy liquid tetrabromoethane and separations. The resultant heaviest (+3.3 specific gravity) -60 mesh +0.5 micron concentrate portions were re-sieved to -60+150 and -150 mesh and each separated into heavy magnetic (HM), heavy paramagnetic (HP) and heavy non-magnetic (HN) Selected resultant fine -150 mesh heavy concentrates. non-magnetic (HN) and resultant intermediate sized -60+150 HN concentrates were then remixed and binocular microscope inspected by geologist C. Fipke for gold content. The -150 HN and -60+150HN concentrates tare weighed into vials, and couriered to Activation Laboratories in Hamilton, Ontario. At Activation Labs the -60 mesh (HN) concentrates were by neutron activation for gold-silver-arsenic analyzed -antimony-barium and 29 additional elements.

#### 2)Results

The bulk heavy mineral sample sites collected by Chevron Minerals in 1987 and by representative of Dia Met Minerals Ltd. in 1988 are located on Figure (4).

The heavy mineral concentrates of the 1988 samples microscopically examined by C.E. Fipke from the central zone

area contained abundant quantities of fine -150 mesh angular free gold with progressivly less amounts of free gold as its size increased to about 60 mesh. The angular morphology of the gold was identical to the gold recovered from the 1987 samples collected by Chevron Minerals staff.

The -60 mesh heavy non magnetic results of Activation Laboratories for the 1988 work are given on Table (1). The combined weighted averages for the -60HN concentrates of the 1987 results for Au-Ag-As-Sb are given as Table (2). The gold-silver-arsenic-antimony results of Activation Labs. for the -60HN concentrates of bulk samples collected in 1987 and 1988 are plotted on Figure (5) to (8).

The actual amount of gold present in each of the -60HN concentrates of bulk samples collected in 1987 and 1988 are plotted in micrograms on Figure (9).

3) Discussion of Results

The overall gold recovered in micrograms as well as the minus 60 mesh (HN) concentrate weights of samples collected by Chevron Minerals staff (Table 2) in 1987 are significantly higher than the 1988 results of (Table 1). The original -6 mesh talus collected in 1987 and 1988 samples were both about +/- 10 Kg but the 1987 samples were collected by wet sieving and the 1988 samples by dry sieving.

The increase in heavy mineral sample weights and gold recovered could be related to the following:

i) A concentration factor resulting from wet sieve

recovering larger quantities of heavy minerals then can be obtained over dry sieving.

ii) A gold and heavy mineral rich stratigraphic horizon' or fault situated in between the area sampled by Chevron 100 meters downslope from the Ram Reef fault and the area sampled by Dia Met representatives 35-50 meters downslope from the fault.

There can be more heavy minerals in wet sieved samples for light clay minerals are ordinarily lost during the wet sieving process. However, there was not a significant amount of light clay material present in -6 mesh talus samples collected dry. Moreover, the weight of the light clays present in dry samples is offset to a substantial degree by about 10-20% by weight water normally present in wet sieved collected samples. As the wet sieved samples collected downslope from the central zone yielded on the average about four times as much -60 mesh heavy non magnetic concentrate as the dry sieved samples, it appears much more likely that increase in concentrate weights and gold contents are related to a geologic feature rather than to the difference in field sampling methods used.

#### Conclusions

1) The angular gold present in the concentrates from the 1987 collected bulk samples is analogous to the gold

recovered from the 1988 samples. Thus, the gold is natural and did not arise due to humanistic related contamination .

2) At least 6 drill targets of high micrograms Au are present on lines 35S at 1+50, 1+70, 2+00, 2+20, 2+50 and 2+70. The high results at 0+20 and 0+40 are also upslope from high micrograms of gold results on line 55S at 0+20 and 0+40. The intensely (mg) gold anomalous Chevron samples (HE JBT5-5) through (HE JBT5-9) inclusive are all downslope from the foregoing Au targets. (Refer to figure 4 to 9).

3) Generally speaking the highest As and Sb results of figures (7) and (8) occur outward from the highest Au-Ag areas defined by figures (5), (6) and (9).

4) The elevated levels of Na-W and rare earth associated with highest gold areas of the central zone at for instance the targets 1+50 and 1+70 line 35S and 0+20 and 0+40 on line 55S suggest the gold mineralization could be related to a felsic or sevenitic intrusion at depth (Table 1).

#### Recommendations

The gold target is outlined in the conclusions should be core drilled from accessible locations on the hanging wall side of the +/- 620 N dipping Ram Reef fault. The south holes should be inclined at 45-500 southward toward the targets. The holes should be drilled sufficiently south to test for a Au mineralized structure or horizon that will

explain the exceedingly anomalous gold values present in the bulk samples collected by Chevron Minerals staff.

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# Statement of Expenditures - November 15 / 1988

# Bandit Claims Assessment Report.

- 3 RT airfaires Kelowna-Dease Lake	2,685.00
- 4 days geologist field time @ 350.00/day	1,400.00
-7 days field geotechnician time (Mark Fipke & Ray Dowson) including travelling & 3 days standby for weather @ 150.00/technician X 2.	2,100.00
- food,logging ,meals & camp rentals supplies	1,677.89
- thru flights Dease Lake - Km 50/Km 90	518.40
- one flight Km 50 - Dease	259.20
- 3.5 hours TNT helicopter including fuel	2,100.00
- trucking of camp gear Kelowna - Dease & return of camp gear & 380 Kg of samples to Kelowna	. 345.82
- heavy mineral processing 32 samples	3,077.30
- 32 gold +33 via Activation Labs. including courier.	320.00
- report compilation, typing & drafting of results	875.00
	<u></u>

Total: \$15,358.61

Please Apply Any Excess Expenditures Granted to the PAC account of Dia Met Minerals and Shannon Energy in a 50-50 ratio.

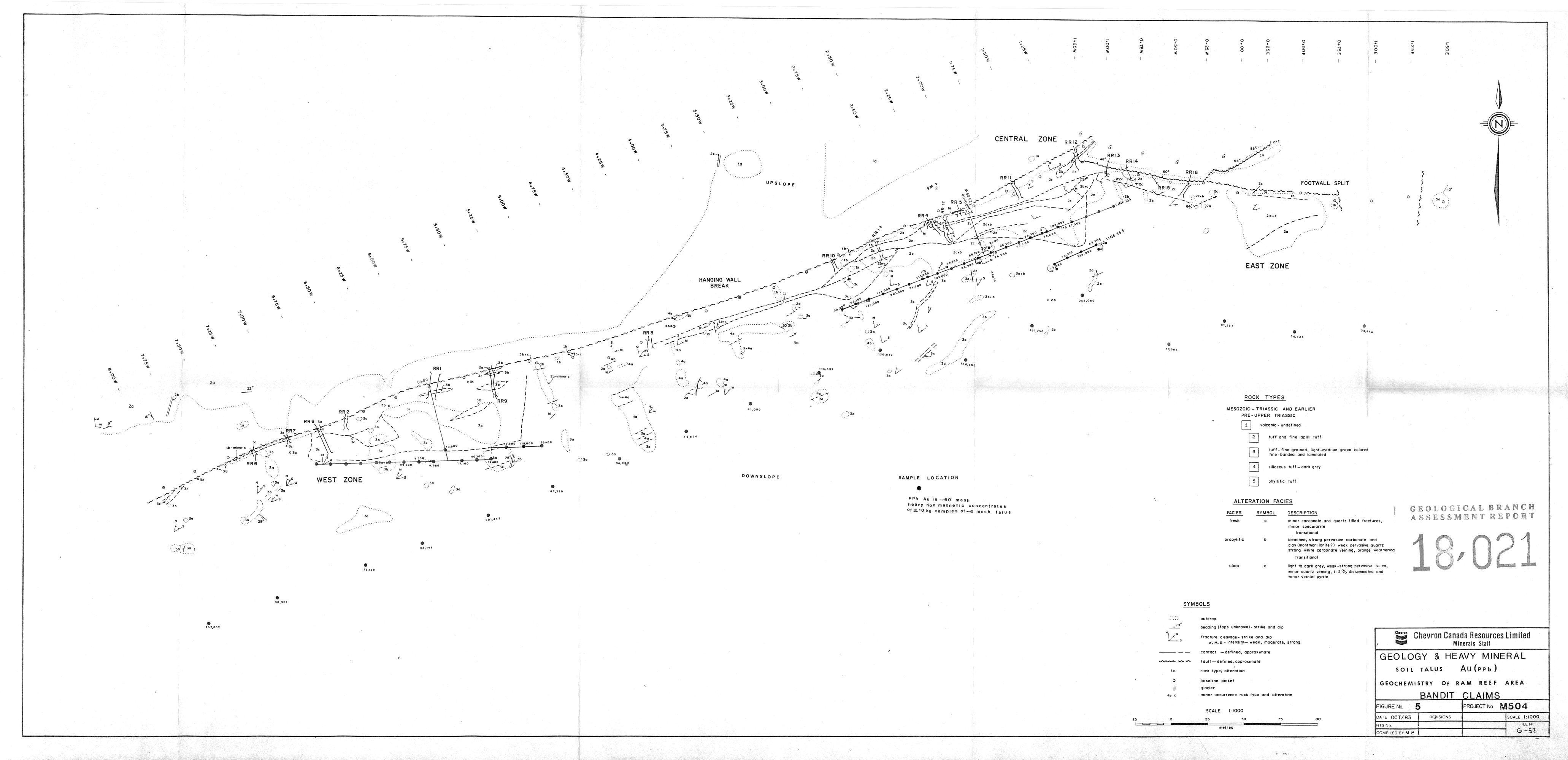
#### Statement of Qualifications

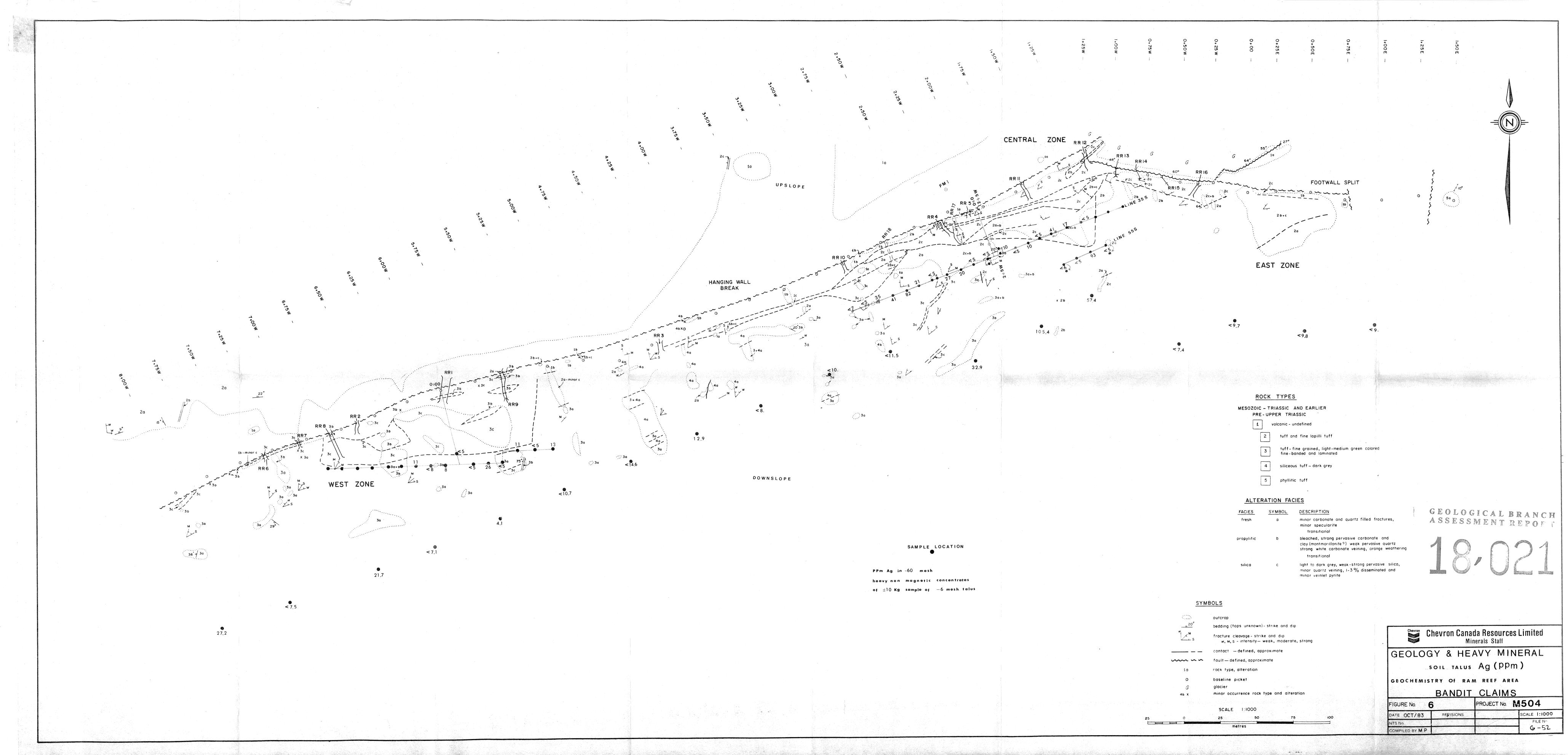
#### Charles E. Fipke - Kelowna, B.C.

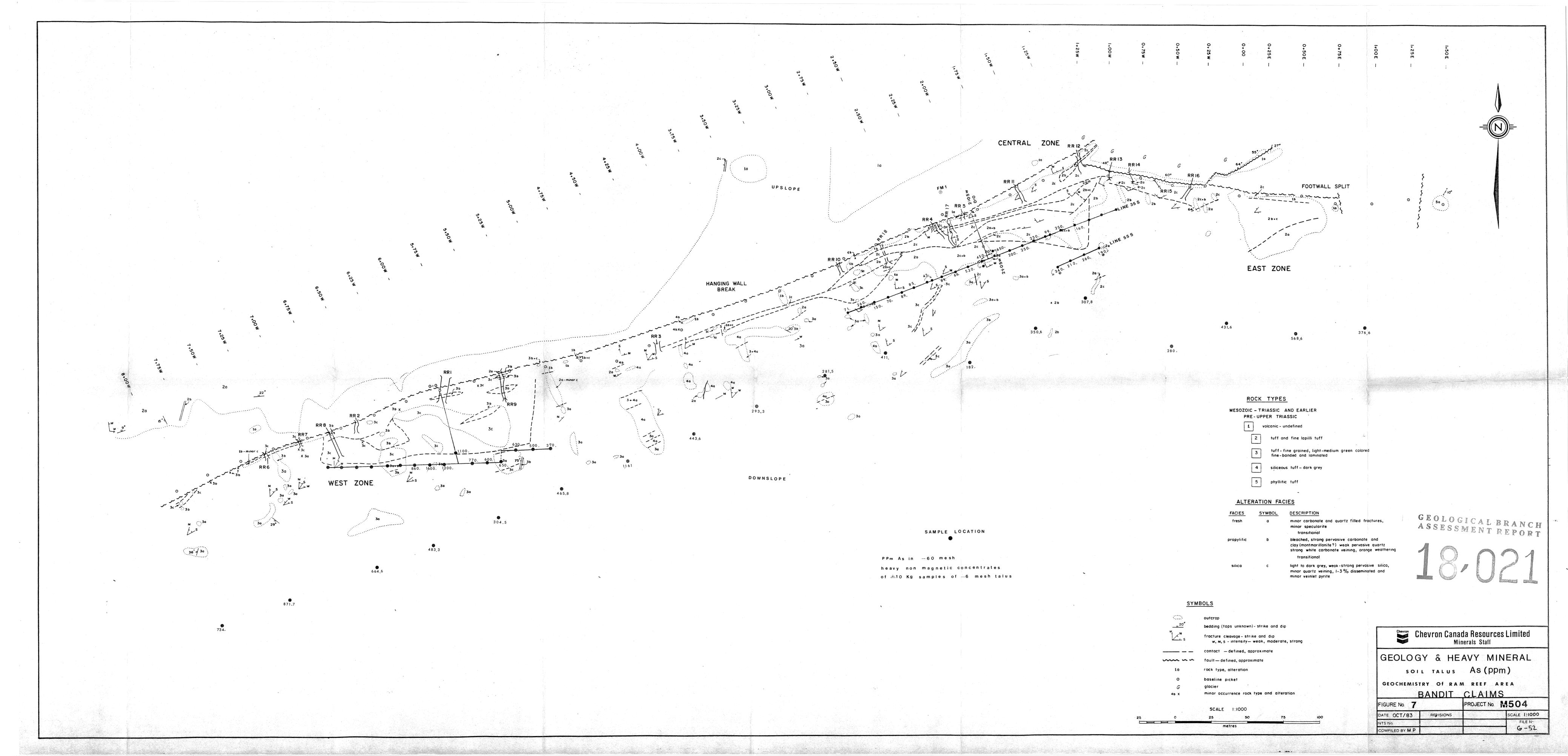
Owner/Operator of C.F. Mineral Research Ltd. B.So. Honours Geology, University of British Columbia Member of the Association of Exploration Geochemists of North America, Member of the Canadian Institute of Mining & Metallurgy.

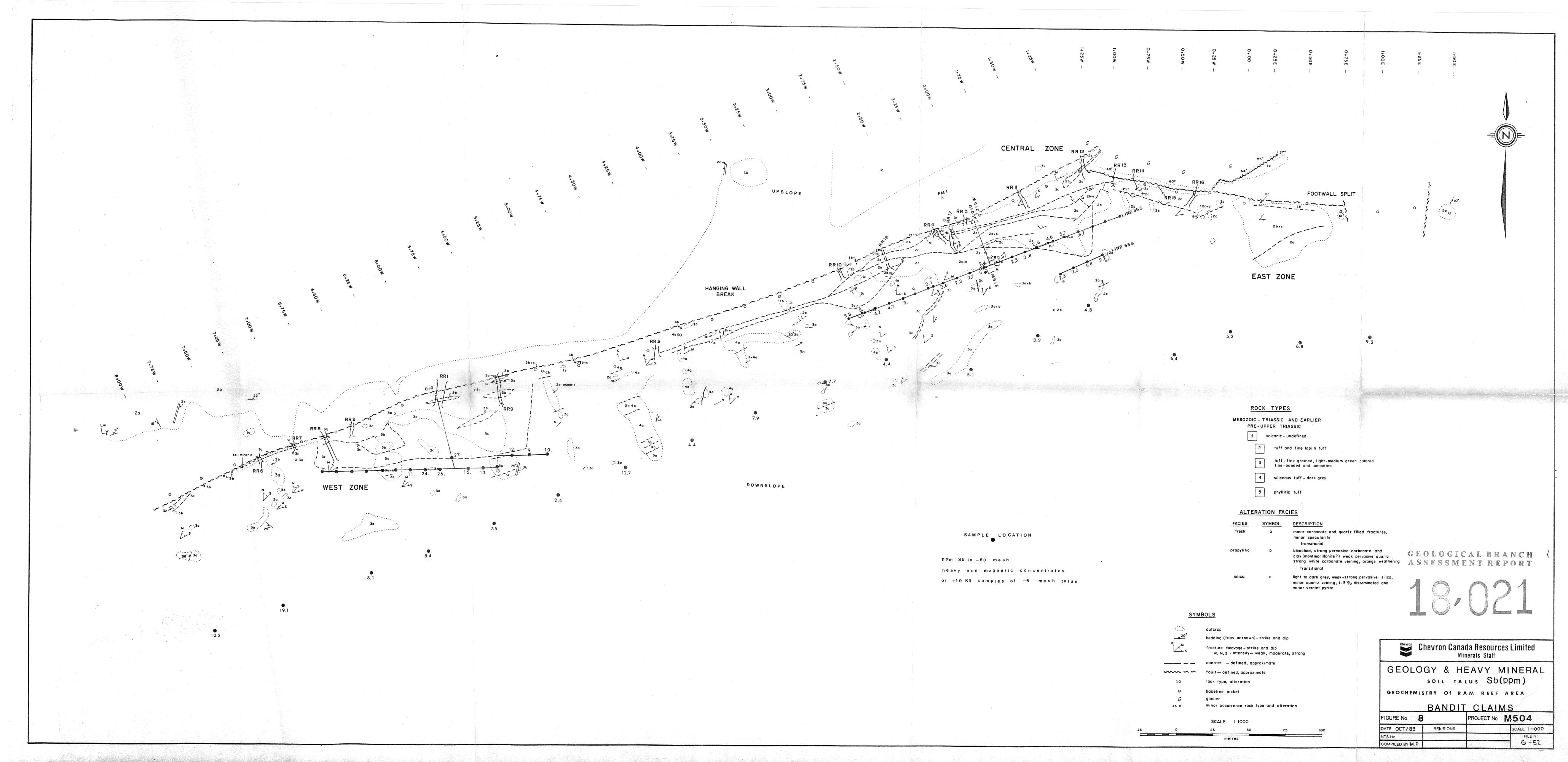
Since 1970 Mr. Fipke has worldwide experience as a geologist, specialized in heavy mineral geochemistry i.e., New Guinea, Australia, New Zealand, South Africa, Brazil, Canada and U.S.A.

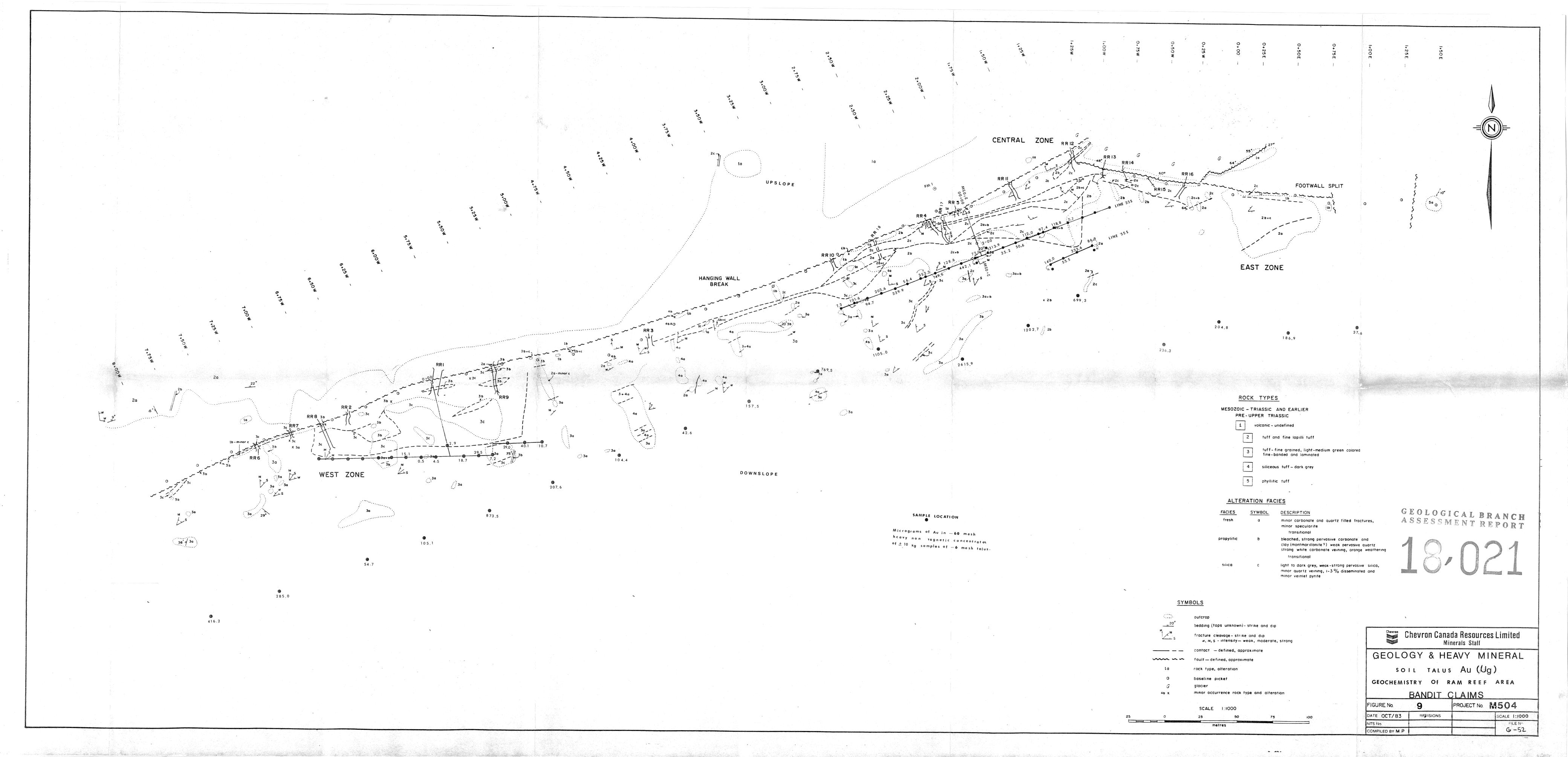
Founded C.F. Mineral Research Ltd.; coordinated and assisted in the design of a heavy mineral and conodont laboratory unique to the western world; is experienced in the diamond indicator mineral industry; has published papers and articles which are widely used in the industry. ¥,

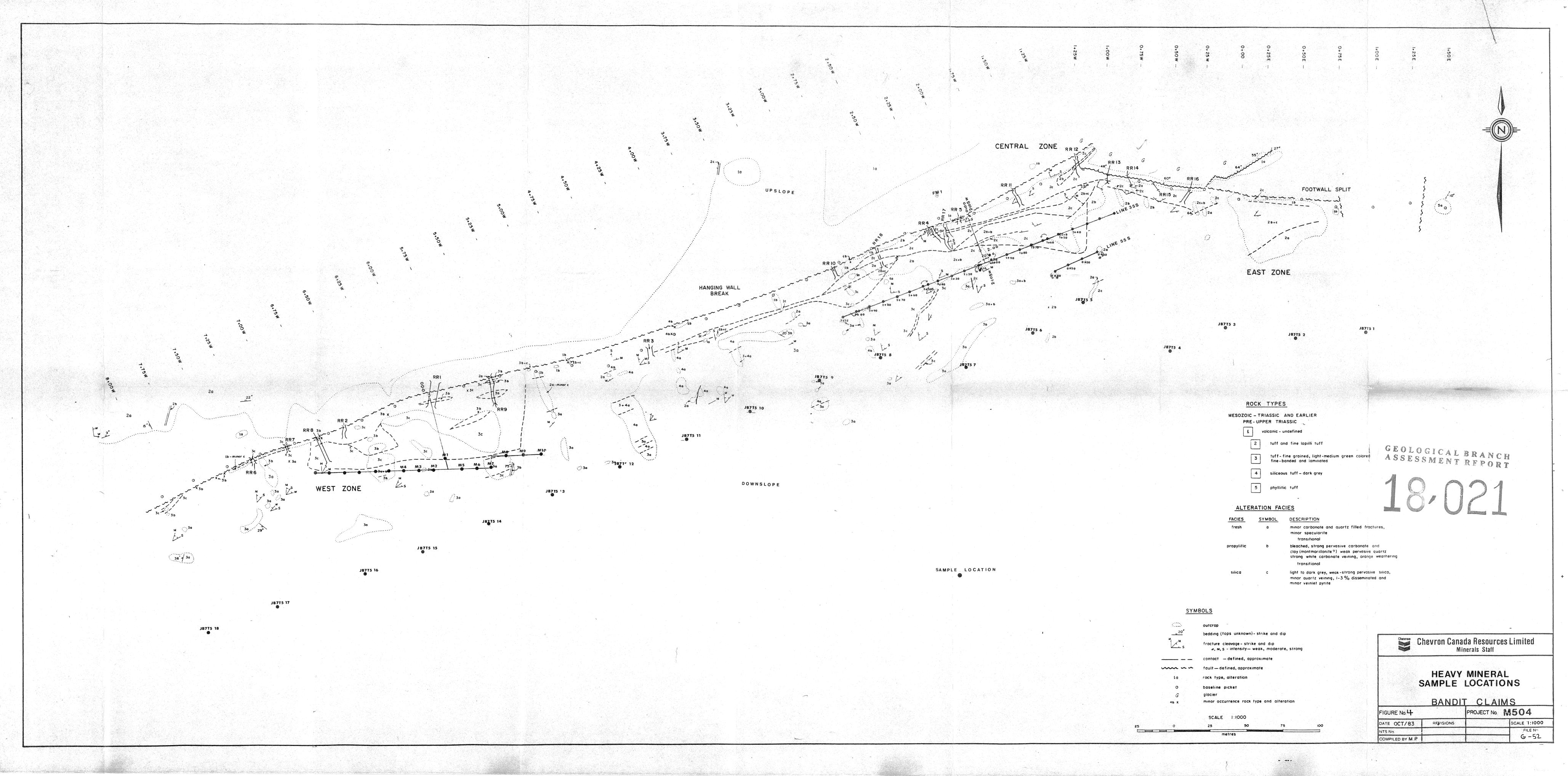












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RB	SC	SE	SR	TA	TH	U	. W	ZN	LA	CE PPM	
PPM 50	PPM O	PPM 20	2 0.20	PPM 1.00	PPM 0.50	FPM 0.50	PPM 4.00	PPM 100.00	PPM 1.00	3.00	1
50 -50 -50 -50 -50 -50 -50 -50 -50 -50 -50	$\begin{array}{c} 0 \\ 22 \\ 25 \\ 20 \\ 18 \\ 24 \\ 19 \\ 22 \\ 32 \\ 29 \\ 37 \\ 15 \\ 31 \\ 20 \\ 19 \\ 32 \\ 25 \\ 24 \\ 19 \\ 14 \\ 17 \\ 15 \\ 14 \\ 13 \\ 24 \\ 21 \\ 41 \\ 19 \\ 22 \\ 21 \end{array}$	$\begin{array}{c} 20 \\ 43 \\ -20 \\ -20 \\ -20 \\ -20 \\ -20 \\ 30 \\ -20 \\ 24 \\ -20 \\ -20 \\ 130 \\ -20 \\ 130 \\ -20 \\ 66 \\ -20 \\ -20 \\ -20 \\ -20 \\ -20 \\ -20 \\ 35 \\ -20 \\ 43 \\ 34 \\ -20 \\ -$	0.20 -0.	$\begin{array}{c} 1.00 \\ -1.00 \\ -2.00 \\ -1.00 \\ $	0.50 4.40 3.30 12.00 14.00 2.20 2.40 2.00 5.30 5.00 4.30 -0.50 -0.60 -0.60 -0.60 -0.50 -0.60 -0.50 -0.60 -0.50 -0.60 -0.50 -0.60 -0.50 -	$\begin{array}{c} 0.50 \\ -1.10 \\ -0.80 \\ 12.00 \\ -0.60 \\ 5.10 \\ -0.80 \\ 5.10 \\ -1.10 \\ -1.40 \\ -1.30 \\ -0.80 \\ -3.10 \\ -1.40 \\ 9.60 \\ -1.80 \\ -1.70 \\ -1.10 \\ -0.80 \\ -1.30 \\ -1.30 \\ -1.00 \\ -1.30 \\ -1.00 \\ -1.30 \\ -1.90 \\ -1.90 \\ -1.90 \\ -1.90 \\ -1.90 \end{array}$	$\begin{array}{r} 4.00 \\ -4.00 \\ -4.00 \\ -4.00 \\ -4.00 \\ -4.00 \\ -4.00 \\ -4.00 \\ -4.00 \\ -4.00 \\ -4.00 \\ -4.00 \\ -4.00 \\ -4.00 \\ 25.00 \\ 49.00 \\ -6.00 \\ 43.00 \\ 23.00 \\ 22.00 \\ -4.00 \\ 23.00 \\ -4.00 \\ -4.00 \\ -4.00 \\ -4.00 \\ 16.00 \\ -4.00 \\ 18.00 \\ -4.00 \\ 18.00 \\ -4.00 \\ 18.00 \\ -4.00 \end{array}$	100.00 1,000.00 1,800.00 2,700.00 570.00 300.00 490.00 870.00 760.00 1,400.00 -100.00 -100.00 -100.00 -100.00 -100.00 -100.00 220.00 -100.00 220.00 -100.00 -100.00 190.00 190.00 -100.0	$\begin{array}{c} 1.00\\ 20.00\\ 19.00\\ 73.00\\ 23.00\\ 13.00\\ 14.00\\ 24.00\\ 25.00\\ 22.00\\ 17.00\\ 10.00\\ 28.00\\ 15.00\\ 13.00\\ 15.00\\ 13.00\\ 15.00\\ 13.00\\ 14.00\\ 19.00\\ 16.00\\ 12.00\\ 14.00\\ 9.00\\ 8.00\\ 10.00\\ 9.00\\ 13.00\\ 14.00\\ 19.00\\ 13.00\\ 13.00\\ 14.00\\ 9.00\\ 13.00\\ 13.00\\ 14.00\\ 9.00\\ 32.00\\ \end{array}$	51.00 25.00 140.00 40.00 18.00 13.00 48.00 47.00 52.00 47.00 -3.00 -9.00 -4.00 190.00 21.00 31.00 27.00 -4.00 12.00 20.00 -4.00 12.00 20.00 -4.00 12.00 23.00 34.00 34.00 51.00	
-50 150	21 15 24	39 32	-0.20 -0.20	-1.00 -1.00	3.40 5.20	-1.20 -1.80	12.00 -5.00	600.00 880.00	28.00 37.00	53.00 57.00	
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FPM	FPM	PPM	PPM	PPM	F'PM
10.00	0.10	0.200	2.000	0.200	0.100
10.00	4.30	1.800	-2.000	3.900	0.200
70.00	3.80	-0.200	-2.000	3.100	-0.100
71.00	9.80	-0.200	-2.000	4.800	0.200
42.00	4.40	1.300	-2.000	2.800	0.300
10.00	3.10	1.200	-2.000	2.800	0.400
10.00	2.70	-0.200	-2.000	2.200	0.400
10.00	4.30	1.400	~2.000	3.800	0.700
10.00	5.30	1.700	-2.000	3.900	-0.100
10.00	4.60	-0.200	~2.000	4.100	0.700
10.00	4.30	0.700	-2.000	2.300	-0.100
30.00	2.40	-0.200	-2.000	1.400	-0.100
17.00	5.50	-0.400	-2.000	4.600	-0.200
10.00	2.60	-0.200	-2.000	3.100	-0.100
10.00	2.50	1.100	-2.000	2.800	0.600
10.00	11.00	-0.200	-2.000	6.500	0.200
10.00	2.80	-0.200	-2.000	3.200	-0.100
10.00	3.30	-0.200	-2.000	3.000	0.600
10.00	2.40	1.200	-2.000	1.800	0.500
10.00	2.80	-0.200	-2.000	2.700	0.800
10.00	1.90	-0.200	-2.000	2.500	0.500
10.00	1.70	0.800	-2.000	-0.200	0.200
10.00	1.60	-0.200	-2.000	-0.300	-0.100
10.00	1.50	-0.200	-2.000	1.500	0.400
69.00	1.50	-0.200	-2.000	1.500	0.300
10.00	2.90	1.500	-2.000	3.400	0.400
10.00	2.50	-0.200	-2.000	1.900	-0.100
10.00	5.30	1.700	2.000	3.100	0.700
11.00	3.10	-0.200	-2.000	4.000	-0.100
10.00	7.20	2.500	-2.000	3.200	0.900
11.00	4.60	-0.200	-2.000	4.300	-0.100
10.00	5.20	-0.200	-2.000	3.900	0.500
11.00	6.90	-0.300	-2.000	2.400	1.000

(Table 1)

Analyses of Metal from Bandit Claims Ram Reef Area.

Elements Units Detec.	Fract.	Wt.Anal g	Wt.Au Ug	AU PPB 5	Wt.Ag ug	AG PPM 5	AS PPM 2	SB PPM 0.2	88 PPM 200	BR FPM 5
——— <i>—</i> ———— M1	-60HN	0.214	2.91	13,600	-1.07	-5	1,100	27.0	10,0 <b>0</b> 0	470 -
M2	-60HN	0.454	4.53	9,980	3.63	8	1,200	26.0	6,800	780
M3	~60HN	0.120	0.51	4,230	- <b>0</b> .96	-6	1,600	24.0	19,000	760
M4	-60HN	0.733	15.10	20,600	8.06	11	860	11.0	7,400	450
M5	-60HN	1.092	18.67	17,100	-5.46	-5	770	15.0	910	640 -
MG	-60HN	0.656	39.49	60,200	17.06	26	600	13.0	8,500	760 -
M7	-60HN	0.373	7.24	19,400	-1.87	5	650	13.0	3,800	760 -
MB	-60HN	0.373	29.02	77,800	4.10	11	630	12.0	9,200	800 -
M9	-60HN	0.340	40.12	118,000	-1.70	-5	500	9.0	6,300	1,100 -
M1O	-60HN	0.189	10.70	56,600	2.46	13	370	10.0	6,100	470 -
555~0+10	-60HN	1.397	86.89	62,200	-6.99	~5	190	2.2	2,300	640
555-0+20	-60HN	0.993	333.65	336,000	92.35	93	260	5.8	2,900	860 -
555~0+30	-60HN	0.757	55.49	73,300	-3.79	-5	210	2.5	3,100	740 - 780 -
555~0+40	-60HN	1.945	140.04	72 <b>,0</b> 00	-11.67	-6	340	2.3	6,100	780 - 440 -
355-1+40	~60HN	0.163	7.74	47,500	-0.82	-5	160	4.7	17,000	930
355-1+50	-60HN	1.188	118.80	100,000	20.20	17	250	5.7	22,000	860 -
355-1+60	~60HN	1.268	97.38	76,800	51.99	41	. 99	4.6	1,700	
355~1+70	-60HN	1.989	111.98	56,300	-9,95	-5	230	2.6	5,100	a
355-1+80	~60HN	0.815	50.61	62,100	8.15	10	250	2.8	7,700	550 . 580 .
355~1+90	-60HN	0.975	35.20	36,100	-4.88	-5	200	2.3	4,500	490
35S-2+00W	-60HN	4.119	313.87	76,200	41.19	10	650	2.3	2,500	610
355~2+10	-60HN	0.960	76.99	80,200	-4.80	-5	450	2.4	4,300	450
355~2+20	-60HN	4.973	442.10	88,900	-24.87	-5	530	2.7	25,000	540
355~2+30	-60HN	1.928	128.60	66,700	38.56	20	66	2.3	30,000 6,600	490
355~2+40	-60HN	1.125	149.63	133,000	30.38	27	89	3.6	640	340
355-2+50	-60HN	3.118	352.33	113,000	-15.59	-5	43	2.1	1,300	620
355~2+60	-60HN	0.691	56.45	81,700	14.51	21	85	9.0	1,400	720
355-2+70	-60HN	1.691	339.89	201,000	138.66	82	89	3.0	2,000	640
355-2+80	-60HN	1.786	203.60	114,000	73.23	41	70	4.7 4.2	6,800	570
355-2+90	-60HN	0.603	94.67	157,000	21.11	35	150		2,600	350
355~3+00	-60HN	1.068	101.57	95,100		5	260	5.0	7,600	320
355-3+10	-60HN	0.240	7.34	30,600	-1.68	-7	71	3.8	7,000	" 5 "24"

(Table 1)

Analyses of Metals from Bandit Claims Ram Reef Area.

CA % 1.00	CO PPM 5	CR PPM 10	CS PPM 2	FE 2 0.02	HF PPM 1	HG PPM 5	IR PPB 40	M0 PPM 20	NA PPM 500	NI PPM 200
-4.00	330	500	-2	37.90	 39		-40	20	2,170	-200
-3.00	340	240	-2	38.10	12	-5	-40	23	2,950	490
-5.00	330	220	-2	37.60	55	-5	-40	-20	2,770	640
-2.00	320	270	-2	32.40	21	-5	-40	-20	4,600	-200
-2.00	300	820	2	35.30	6	~5	-40	-20	1,690	300
-2.00	340	990	-2	35.10	8	-5	-40	-20	2,820	-200
-3.00	360	270	-2	35.10	25	-5	-40	-20	3,550	-200
4.00	- 320	430	-2	30.90	17	-5	-40	-20	4,260	-200 -
-3.00	300	310	-2	35.00	15	-5	-40	-20	3,590	-200
7.00	320	1,300	~2	30.30	14	-5	-40	-20	3,950	450
-2.00	390	170	-2	24.80	. 3	-5	-40	29	4,780	260
-5.00	430	370	-2	43.60	13	29	~40	-20	10,600	780
-3.00	530	230	-2	32.60	- <b>1</b> - 1	-5	-40	44	5,200	-200
-3.00	750	200	-2	32.70	-1	-5	-40	21	5,950	-200
-4.00	340	340	-2	31.10	44	-5	-40	43	11,800	-200
-3.00	340	350	· -2	32.40	6	-5	-40	62	6,050	440
-3.00	390	380	2	29.70	6	-5	-40	59	4,640	-200
-2.00	440	420	-2	30.90	2	-5	-40	77	3 <b>,800</b>	310
-3.00	700	410	-2	32.60	7	25	-40	74	2,450	760
-3.00	540	320	-2	34.80	5	-5	-40	59	3,650	-200
-2.00	770	290	-2	39.90	-1	-5	-40	76	3,230	840
-3.00	830	230	-2	36.30	-1	-5	-40	24	2,930	560
-3.00	680	180	-2	35.90	-1	-5	-40	70	3,250	480
-2.00	490	250	-2	33.10	-1	-5	-40	86	2,640	590
-3.00	340	490	-2	33.20	-1	-5	-40	100	2,230	420
-2.00	240	310	-2	21.80	4	-5	-40	58	2,300	200
-3.00	260	2,000	-2	36.90	5	-5	-40	-20	5,790	-200
-3.00	340	480	-2	35.80	-1	19	-40	95	2,310	300
-3.00	350	470	-2	31.30	5	-5	-40	130	2,370	420
-4.00	400	570	-2	36.00	9	-5	-40	78	2,090	440
-3.00	530	500	-2	35.00	11	13	-40	35	2,590	300
~4.00	180	600	7	15.90	12	7	-40	29	10,900	1,300

Table 2: ANALYSES OF METALS FROM TALUS - RAM REEF ARE Table 1: ANALYSES OF METALS

SAMPLE	FRACTION	Wt.g	Wt.ug	Au-ppb	Ag-ppm	As-ppm	Sb-ppm	Ba-ppm	Brppm
Detection	Limites	 g		5.00	5.00	2.00	<b>0</b> .20	200.00	5.00
HE J87T5-12	-60+150HN -150HN -60HN	2.434 0.630 3.064	104.43	17,900.00 96,600.00 34,081.79		970.00 1,900.00 1,161.22	11.00 17.00 12.23	-470.00 570.00 -256.16	840.00 250.00 718.69
HE JB7T5-13	-60+150HN -150HN -60HN	3.030 1.885 4.915	207.56	44,800.00 38,100.00 42,230.42	~13.00 -7.00 -10.70	600.00 250.00 465.77	0.00 6.40 2.45	830.00 -200.00 434.97	0.00 230.00 88.21
HE JB7T5-14	-60+150HN -150HN -60HN	1.003 0.739 1.742	873.52	280,000.00 802,000.00 501,445.46	46.00 32.00 40.06	330.00 270.00 304.55	6.90 8.40 7.54	1,300.00 -1,000.00 324.28	270.00 230.00 253.03
HE J8715-15	-60+150HN -150HN -60HN	1.304 0.360 1.664	105.07	16,800.00 231,000.00 63,141.35	-6.00 -11.00 -7.08	440.00 640.00 483.27	8.20 9.10 8.39	1,900.00 2,000.00 1,921.63	430.00 440.00 432.16
HE J87T5-16	60+150HN 150HN 60HN	0.508 0.192 0.700	54.71	15,100.00 245,000.00 78,158.29	5.00 66.00 21.73	500.00 1,100.00 664.57	6.60 12.00 8.08	510.00 1,200.00 699.26	81.00 210.00 116.38
HE J87T5-17	-60+150HN -150HN -60HN	8.117 1.083 9.200	285.03	12,700.00 168,000.00 30,981.51	-7.00 -11.00 -7.47	960.00 210.00 871.71	20.00 12.00 19.06	-230.00 990.00 -86.38	610.00 140.00 554.67
HE J87T5-18	-60+150HN -150HN -60HN	1.300 1.179 2.479	416.20	117,000.00 224,000.00 167,888.66	11.00 45.00 27.17	910.00 540.00 734.03	11.00 9.30 10.19	-380.00 -390.00 -384.76	260.00 250.00 255.24

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FROM TALUS - RAM Table 2: ANALYSES OF METALS FROM TALUS - RAM REEF AREA.

Ca-%	Со-ррм	Cr-ppm	Cs-ppm	Fe-%	Hf-ppm	Hg-ppm	Ir-ppb	Мо-ррт	Na-ppm	Ni-ppm	Rp-bbu
1.00	5.00	10.00	2.00	0.02	1.00	5.00	40.00	20.00	500.00	200.00	50.00
10.00	290.00	1,000.00	-3.00	29.50	-2.00	-7.00	-40.00	-20.00	10,000.00	-240.00	-73.00
-7.00	210.00	860.00	-2.00	15.20	-2.00	-5.00	-40.00		13,400.00	-200.00	-50.00
6.50	273.55	971.21	-2.79	26.56	-2.00	-6.59	-40.00		10,699.09	-231.78	-68.27
0.00	0.00	0.00	0.00	0.00	$0.00 \\ 4.00 \\ 1.53$	0.00	0.00	0.00	0.00	0.00	0.00
-7.00	190.00	750.00	-2.00	17.70		5.00	-40.00	-20.00	6,360.00	240.00	-50.00
-2.68	72.87	287.64	-0.77	6.79		1.92	-15.34	-7.67	2,439.19	92.04	-19.18
6.00	190.00	570.00	-3.00	31.70	-2.00	17.00	-50.00	-40.00	1,850.00	-230.00	-65.00
-19.00	110.00	380.00	-5.00	13.80	19.00	-32.00	-110.00	-110.00	15,600.00	-350.00	-96.00
-4.61	156.06	489.40	-3.85	24.11	6.91	-3.79	-75.45	-69.70	7,683.09	-280.91	-78.15
-7.00	270.00	470.00	2.00	28.60	-1.00	-5.00	-40.00	-20.00	1,290.00	220.00	-50.00
-12.00	220.00	410.00	-2.00	21.10	10.00	-10.00	-40.00	-27.00	15,900.00	-200.00	-58.00
-8.08	259.18	457.02	1.13	26.98	1.38	-6.08	-40.00	-21.51	4,450.82	129.13	-51.73
-5.00	130.00	70.00	-2.00	15.00	$1.00 \\ 24.00 \\ 7.31$	-5.00	-40.00	-20.00	1,170.00	-200.00	-50.00
-15.00	210.00	170.00	-3.00	19.10		-12.00	-48.00	-39.00	21,500.00	-210.00	-75.00
-7.74	151.94	97.43	-2.27	16.12		-6.92	-42.19	-25.21	6,746.23	-202.74	-56.86
-10.00	200.00	260.00	-2.00	35.40	-1.00	-5.00	-40.00	-20.00	3,940.00	-200.00	-50.00
8.00	66.00	120.00	-3.00	9.01	19.00	-10.00	-40.00	-32.00	12,400.00	-200.00	-50.00
-7.88	184.23	243.52	-2.12	32.29	1.35	-5.59	-40.00	-21.41	4,935.89	-200.00	-50.00
6.00	200.00	270.00	6.00	26.80	4.00	-8.00	-40.00	-26.00	1,640.00	-200.00	-56.00
3.00	130.00	140.00	-3.00	15.50	12.00	-10.00	-40.00	57.00	7,080.00	-200.00	-50.00
4.57	166.71	208.17	1.72	21.43	7.80	-8.95	-40.00	13.47	4,227.24	-200.00	-53.15

Table 2: ANALYSES OF METALS R

Sc-ppm	Se-ppm	Sr-%	Та-ррм	Th-ppm	U-ppm	W-ppm	Zn-ppm	La-ppm	Ce-ppm	Nd-ppm	Sm-ppm	Εc
0.10	20.00	0.20	1.00	0.50	0.50	4.00	100.00	1.00	3.00	10.00	0.10	
54.00	-20.00	-0.20	-2.00	-1.50	-5.50	-51.00	940.00	22.00	28.00	-17.00	5.50	
45.00	-20.00	-0.20	-1.00	2.70	-4.80	-25.00 1	1,200.00	20.00	35.00	-14.00	3.90	
52.15	-20.00	-0.20	-1.79	-0.64	-5.36	-45.65	993.46	21.59	29.44	-16.38	5.17	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
54.00	20.00	-0.20	-1.00	1.60	-3.30	-20.00	340.00	24.00	31.00	-10.00	4.20	
20.71	7.67	-0.08	-0.38	0.61	-1.27	-7.67	130.40	9.20	11.89	-3.84	1.61	
33.00	-37.00	-0.20	-2.00	-2.40	-12.00	-50.00	530.00	13.00	-18.00	-35.00	2.00	
38.00	-99.00	0.30	-3.00	-5.80	-31.00	-97.00	510.00	39.00	-48.00	240.00	6.50	
35.12	-63.30	0.01	-2.42	-3.84	-20.06	-69.94	521.52	24.03	-30.73	81.66	3.91	
26.00	27.00	-0.20	-1.00	-0.60	-2.50	-17.00	360.00	8.00	8.00	-10.00	1.40	
33.00	-26.00	-0.20	-2.00	3.50	-9.10	-36.00	980.00	27.00	42.00	-25.00	5.50	
27.51	15.53	-0.20	-1.22	0.29	-3.93	-21.11	494.13	12.11	15.36	-13.25	2.29	
6.80	-20.00	-0.20	-1.00	1.20	-1.70	-11.00	310.00	6.00	5.00	-10.00	1.10	
31.00	-32.00	-0.20	-3.00	-2.40	-12.00	-46.00	870.00	47.00	75.00	-34.00	8.60	
13.44	-23.29	-0.20	-1.55	0.21	-4.53	-20.60	463.60	17.25	24.20	-16.58	3.16	
27.00	-20.00	-0.20	-1.00	-0.70	-3.00	-25.00	1,000.00	25.00	11.00	26.00	5.70	
38.00	-26.00	-0.20	4.00	5.00	18.00	-44.00	320.00	46.00	85.00	-26.00	8.00	
28.29	-20.71	-0.20	-0.41	-0.03	-0.53	-27.24	919.95	27.47	19.71	19.88	5.97	
31.00	-23.00	-0.20	-2.00	2.50	-7.50	66.00	480.00	17.00	16.00	-22.00	3.80	and the second secon
38.00	-28.00	-0.20	-2.00	-1.90	-10.00	-45.00	690.00	36.00	49.00	-29.00	6.50	
34.33	-25.38	-0.20	-2.00	0.41	-8.69	13.21	579.87	26.04	31.69	-25.33	5.08	

# ROM TALUS - RAM REEF AREA.

-ppm	Tb-ppm	Yb-ppm	Lu-ppm
0.20	2.00	0.20	0.10
1.40	-2.00	5.70	0.60
1.10	-2.00	2.80	0.40
1.34	-2.00	5.10	0.56
0.00	0.00	0.00	0.00
1.50	-2.00	3.00	0.60
0.58	-0.77	1.15	0.23
0.50	2.00	3.20	-0.50
4.10	4.00	-4.90	-1.50
1.45	2.85	-0.24	-0.92
0.60	-2.00	1.60	-0.10
1.60	-2.00	5.70	0.50
0.82	-2.00	2.49	0.03
0.40	-2.00	1.00	-0.10
2.40	-2.00	-2.10	-0.50
0.95	-2.00	0.15	-0.21
1.50	-2.00	3.90	0.60
2.70	-2.00	6.40	1.20
1.64	-2.00	4.19	0.67
0.50	-2.00	-1.30	-0.30
2.40	3.00	7.30	1.10
0.88	0.38	2.79	0.37