

LOG NO: 09-12	RD:
ACTION:	
FILE NO:	

AIR PHOTOGRAPHY
&
GEOPHYSICAL SURVEYS
BLACK ROCK AND ASPEN CLAIM GROUPS
82F/3
NELSON MINING DIVISION

LAT: 49° 08' 45" N
10° N

LONG: 117° 12' 45" W
11° W

OWNER: St. James's Minerals Ltd.

OPERATOR: GEOSTRATEGIC CONSULTANTS

REPORT BY: DAVID S. EVANS, Ph.D., P.Geol., FGAC

August 31st, 1990

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,259

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1. SUMMARY

A followup geophysical survey on the Aspen and Black Rock Claim Group has yielded poor and/or insignificant data and information in support of previously acquired soil geochemistry data. A strong, linear Pb-Zn soil anomaly on the Black Rock Claims and immediately west of the formerly producing HB Mine is underlain by extensive overburden cover.

Similarly, a semi-regional air photograph study has yielded poor results and has provided only limited relationships between known mineral occurrences, important geological contacts and structures, geochemical anomalies and geophysical survey data.

It is recommended that additional prospecting and trenching on the Pb-Zn soil anomaly will probably serve as the most useful intermediary approach prior to (any) diamond drilling.

2. INTRODUCTION

2.1 Location and Access

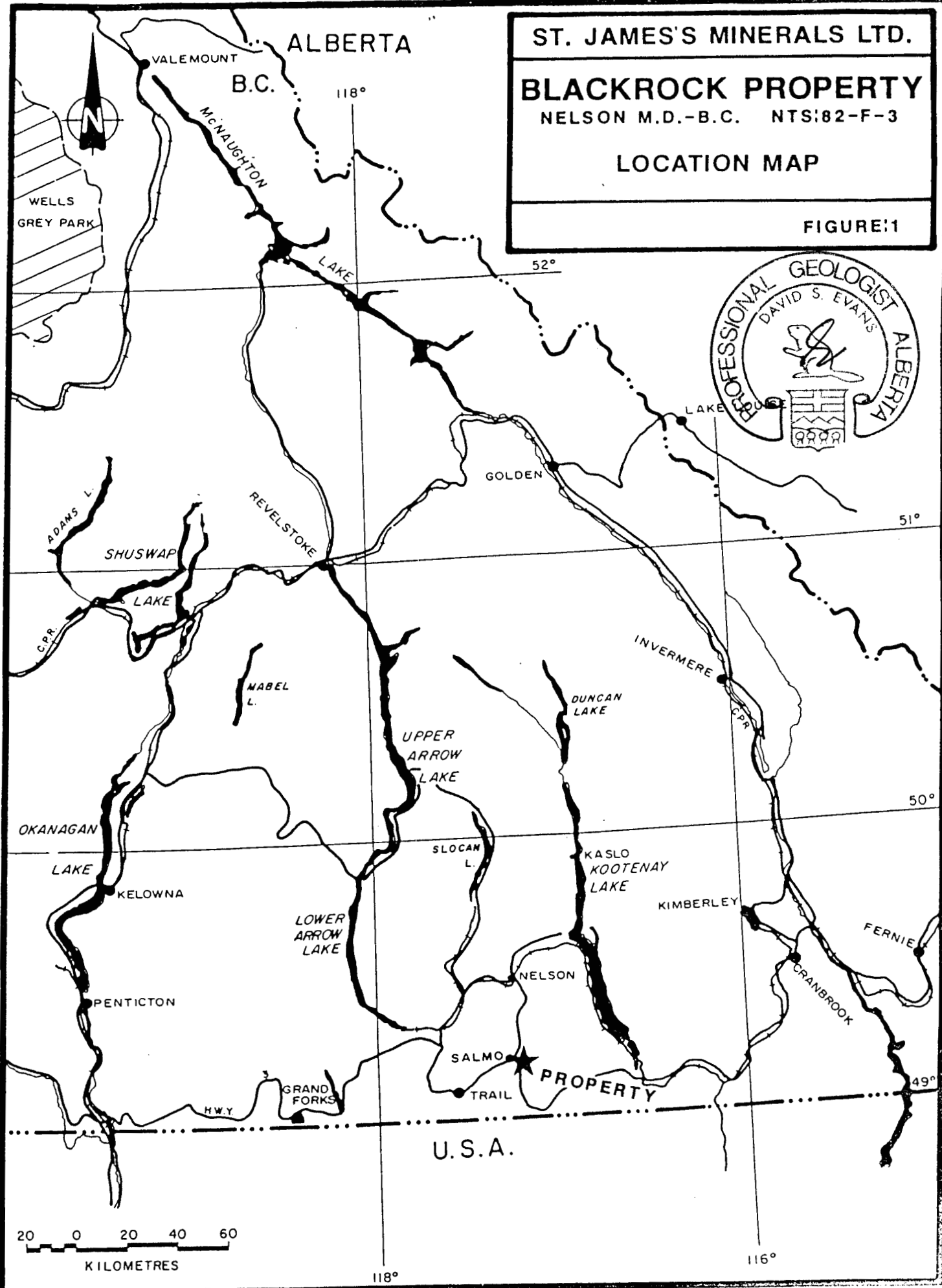
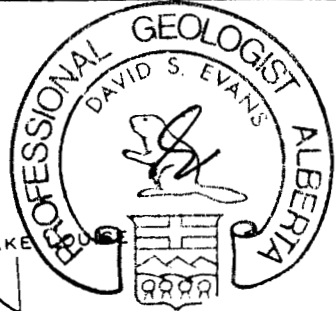
The Black Rock and Aspen Claim Group (Table 1) is located in the Nelson Mining Division in southeastern British Columbia (Figure 1) approximately 7 km southeast of town of Salmo and 35 km south-southeast of the city of Nelson.

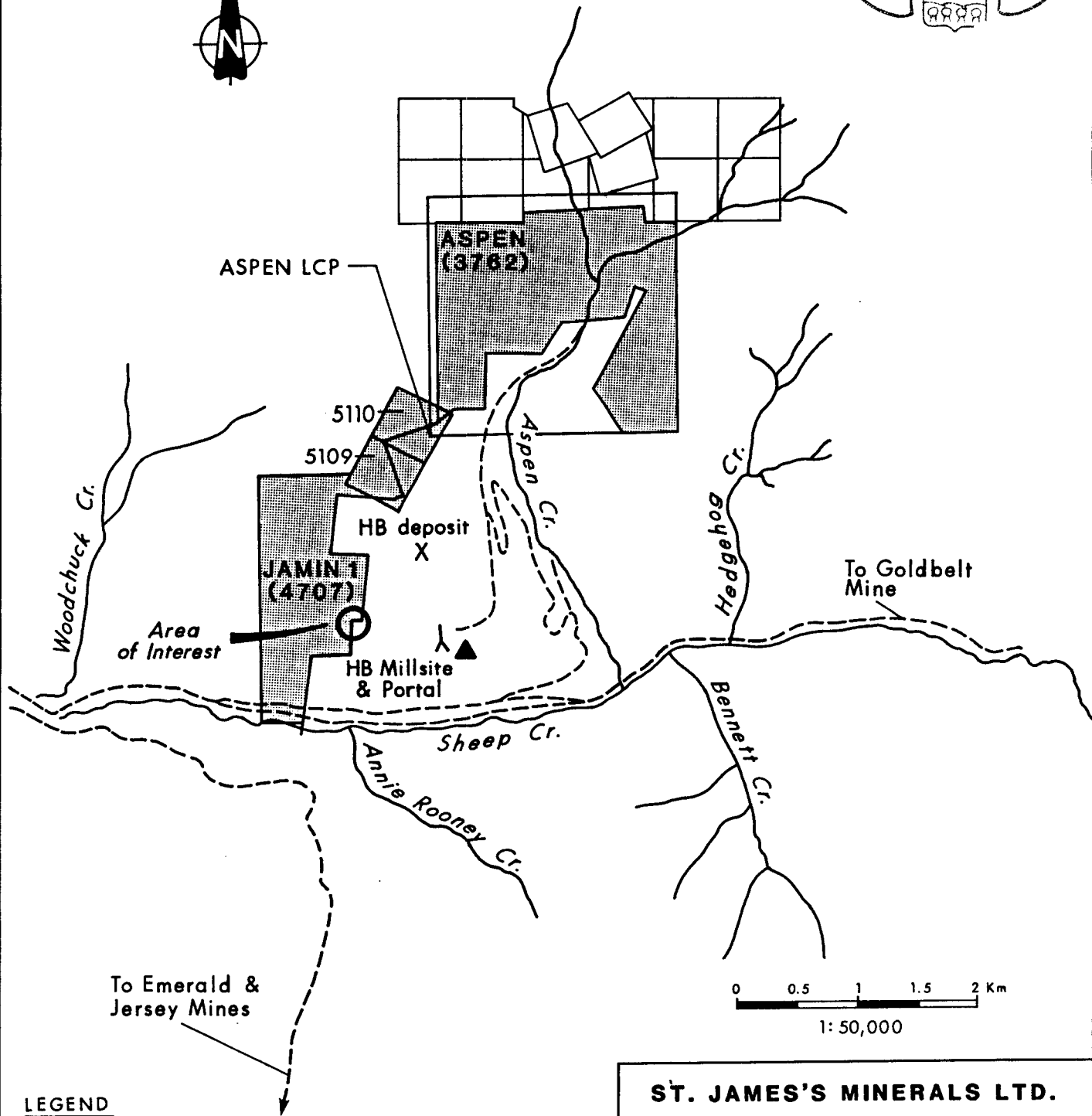
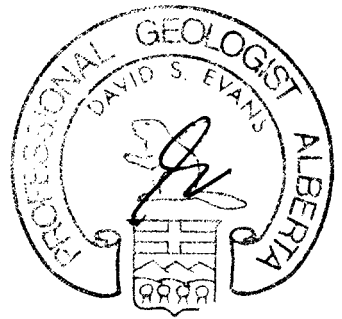
The property is accessible from Highway #3 from the Sheep Creek gravel road and via the old HB mine site. A dirt road along Aspen Creek reaches the area of interest (Figures 2 & 3).

TABLE 1
SCHEDULE OF CLAIMS

CLAIM NAME	RECORD NO.	RECORD DATE
Aspen	3762	June
Jamin	4707	July
Bee	5109	June
Tween	5110	June
Black Rock No. 11 Fr.	3183	June
Black Rock No. 12 Fr.	3184	June
Black Rock No. 10 Fr.	3186	June
Black Rock No. 15 Fr.	3187	June
Black Rock No. 16 Fr.	3188	June
Black Rock No. 17 Fr.	3189	June
Black Rock No. 5 Fr.	3190	June
Black Rock No. 13 Fr.	3185	June
Black Rock No. 6 Fr.	3191	June
Black Rock No. 7 Fr.	3192	June
Black Rock Fraction	3193	June
Black Rock No. 1	3194	June
Black Rock No. 2	3195	June
Black Rock No. 3	3196	June
Black Rock No. 4	3197	June
Black Rock No. 19 Fr.	3197	June
Black Rock No. 8	3198	June
Black Rock No. 9 Fr.	3199	June
Black Rock No. 18 Fr.	3200	June
Black Rock No. 20	3201	June
Black Rock No. 21 Fr.	3202	June

ST. JAMES'S MINERALS LTD.
BLACKROCK PROPERTY
 NELSON M.D.-B.C. NTS:82-F-3
 LOCATION MAP
 FIGURE:1





LEGEND

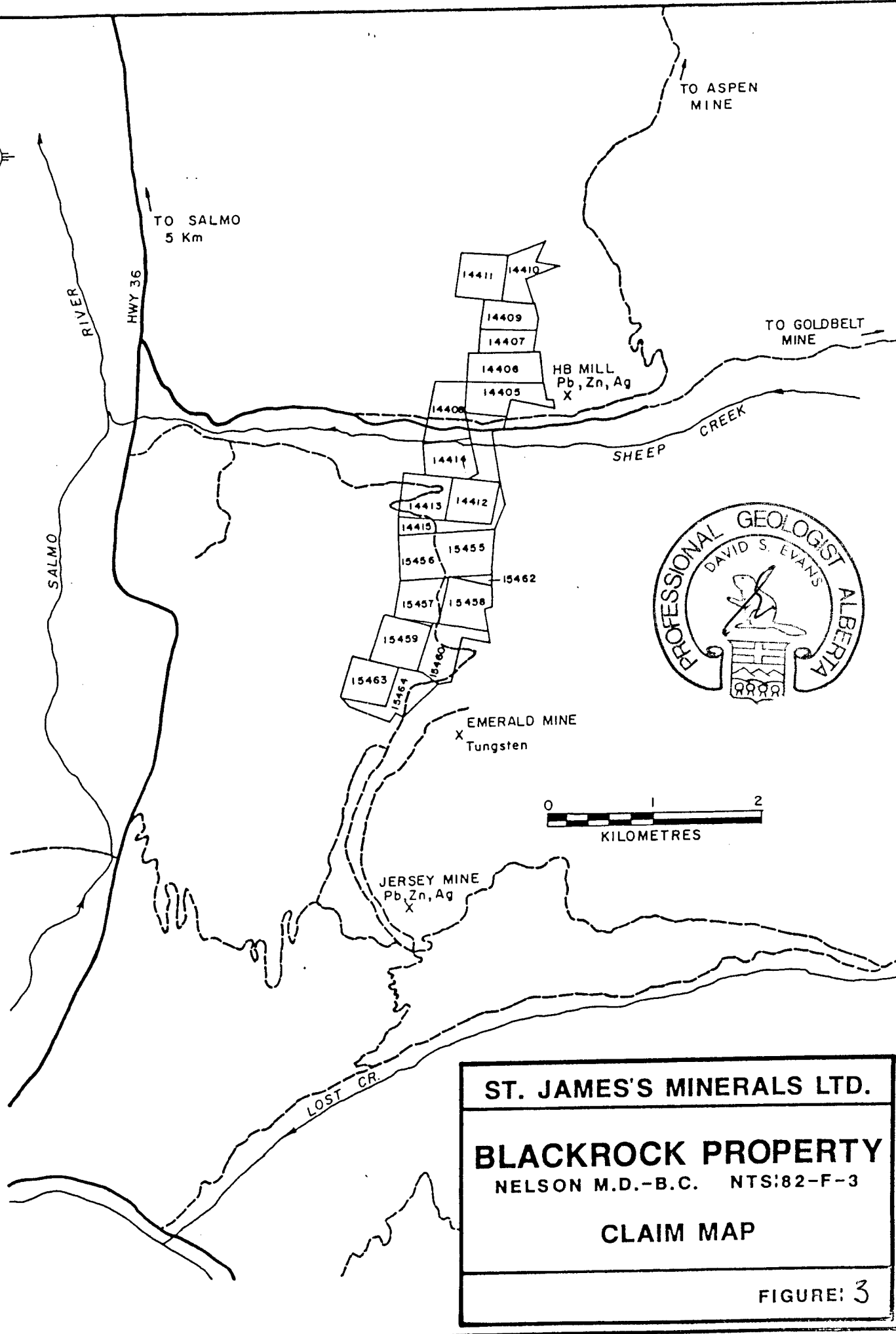
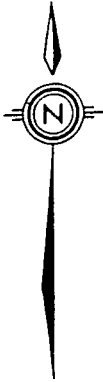
-  CREEKS
-  ROAD
-  CLAIM OUTLINE

ST. JAMES'S MINERALS LTD.

FIGURE 2

**ASPEN CLAIMS
LOCATION REFERENCE**

Compiled by	Date	October, 1984
Drawn by	S. Erskine	Project



ST. JAMES'S MINERALS LTD.

BLACKROCK PROPERTY
NELSON M.D.-B.C. NTS:82-F-3

CLAIM MAP

FIGURE: 3

2.2 Physiography and Climate

The Black Rock & Aspen Claim Group is located on south facing slopes along the Sheep Creek valley which has been burned over and is now covered with cedar, low shrubs and patches of spruce and alder. The topography ranges from flat to rugged terrain. Overburden cover is extensive and varied in thickness. The lower areas are covered with discontinuous outwash gravels and sands. Outcrop exposure is generally limited.

The climate of the West Kootenay region is characterized by warm summers, a cool and damp fall and spring and relatively mild winters with heavy snowfall.

3. GEOLOGY

3.1 Regional Geology

The Black Rock & Aspen Claim Group is located in the Salmo Map Area (GSC Map 1145A) and has been mapped by Little (1964) and Fyles and Hewlett (1959).

The Salmo area is underlain by a north-south trending belt of Early Paleozoic sedimentary rocks (Active and Laib Formations). To the east, these rocks are intruded by Cretaceous Granites of the Nelson Batholith.

Mineral potential of the general area has traditionally focused on stratabound Pb-Zn-Ag "Sedex" orebodies of syngenetic origin and epigenetic base and precious metal-bearing veins and vein systems related to the Nelson Intrusions.

3.2 Local Geology

The property is underlain with limestones, argillites, and argillaceous quartzites of the Laib and Active Formations. The limestones have been recrystallized by metamorphic and/or hydrothermal activities. Argillaceous rocks are commonly silicified and quartz-rich, occurring as small veinlets and larger veins and stockworks. The property is characterized by numerous folding events and patterns and, resultant shear zones and faults (after Sinden and Evans, 1984).

3.3 Mineralization

The area of interest lies immediately west of the formerly producing HB Mine. A number of minor occurrences have been identified on the Aspen Claims and the Black Rock Claims (Evans, 1988).

4. PREVIOUS WORK

4.1 Geochemistry

In 1986, a soil survey was undertaken to cover an area of the Black Rock claims immediately north and south of Sheep Creek (Cooke, 1987). A strong Pb and Zn anomaly was identified north of Sheep Creek and west of the HB Mine. The area is heavily overburdened and the bedrock source of the anomaly was not located. In 1989, an extension survey was undertaken and confirmed a northward extension of this same anomaly.

In 1984 and 1988, successful soil surveys were conducted on the Aspen Claims and relocated and traced a narrow Pb-Zn-Ag-Au sheared vein (Evans and Sinden, 1984 and Evans, 1988).

4.2 Mapping and Prospecting

Mapping and prospecting work as reported in 1984, 1987, 1988 and 1989 has been of limited success. Only previously known Pb-Zn-Ag and Pb-Zn-Ag-Au occurrences of limited economic significance have been located or identified.

5. AIR PHOTOGRAPHY AND GEOPHYSICAL SURVEYS

5.1 Geophysical Report

(see Geophysical Report Insert following Selected References)

The geophysical survey was undertaken over the grid prepared in 1986 (Cooke, 1987) and extended in 1989 (Evans, 1989). The location of the grid is located on the north side of Sheep Cr. and is noted as "area of interest" on Figure 2.

5.2 Air Photography

In conjunction with a ground geophysical survey (see separate attached report) an airphotograph study was made of the Aspen and Black Rock Claim Group. The results of this study are shown in Figure 3. This study was supplemented from known geological and structural information from Little (1964) and Fyles and Hewlett (1959).

An initial study of Air Photographs 65 and 65 (1970, Line 22007, 30,000 ft. ASL) showed almost a complete absence of (identifiable) structures, trends and lineations. As a result, the area of interest was expanded (Figure 3) to include a larger surrounding area to establish regional or "semi-regional" influences on geology and structure that may be related to base and precious metals mineralization and/or related mineralizing events.

The results (Figure 3) show that the area to south of the Black Rock and Aspen Claim Group has been the focus of considerable faulting and shearing, while the area to the north is either less disturbed OR dominated by deeper and tangential tectonic events. It would appear that movement on the Sheep Creek Fault has laterally OR vertically influenced the level of geological exposure on the Black Rock and Aspen Claim Group. In summary, correlations between regional lineations and other linear features have not been successful in establishing relationships with known mineralization and mines (HB, Jersey etc.) and potentially mineralized sites on the Black Rock and Aspen Claim Group.


6. CONCLUSIONS

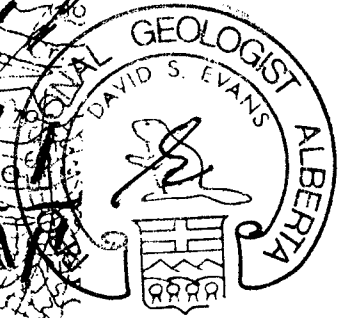
Air photography and ground geophysical survey results have had limited success in improving base and precious metals potential on the Black Rock and Aspen Claim Group.

7. RECOMMENDATIONS

Additional prospecting and trenching is recommended in the areas of soil geochemistry. Diamond drilling is contingent on these results.

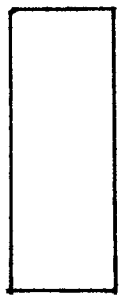
Aug 31/90
August 31st, 1990
Calgary, Alberta


D. S. Evans, Ph.D., P.Geol.
Consulting Geologist



Scale
1:250,000
(after Little,
1964)

FIGURE 4
D.S.E.



BLACK ROCK
AND
ASPEN
CLAIMS
AREA



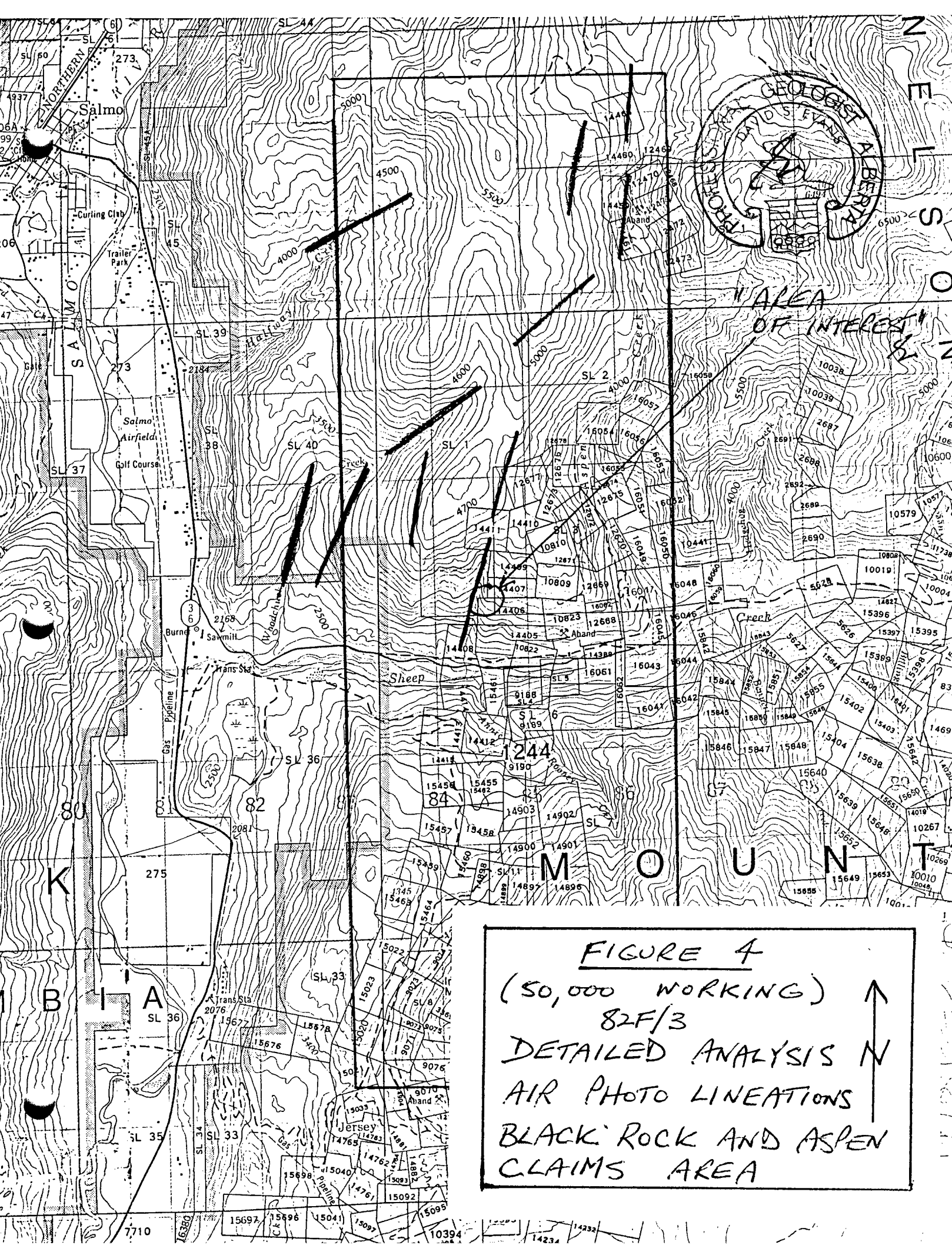
FAULTS,
FAULTING
(after
Little, 1964)



DETAILED
AND
REGIONAL
AIR PHOTO
LINEATIONS
AND LINEARS
(this report)

FIGURE 4
DETAILED AND REGIONAL
AERIAL PHOTOGRAPHY
ANALYSIS

PHOTOS 65, 67
LINE A22007
1970



"AREA OF INTEREST"
 SL 2

FIGURE 4
 (50,000 WORKING)
 82F/3
 DETAILED ANALYSIS N
 AIR PHOTO LINEATIONS
 BLACK ROCK AND ASPEN
 CLAIMS AREA

8. SELECTED REFERENCES

1. Sinden, G. W. and Evans, D. S., 1984
Geochemical Survey and Prospecting Report, Aspen Claims,
Nelson Mining Division, NTS 82 F/3, 14p
2. Little, H. W., 1960
Nelson Map-Area, West Half British Columbia (82F W1/2)
Geological Survey of Canada Memoir 308, 205p
3. Little, H. W., 1964
Salmo Map Area, British Columbia, GSC Map 1145A
4. Cockfield, W. E., 1936
Lode Gold Deposits of Ymir-Nelson Area, British Columbia,
Geological Survey of Canada Memoir 191, 78p
5. Cooke, D. D., 1987
Assessment Report on the Geology and Soil Geochemistry
of the Black Rock Property, Salmo Area, B.C.
Nelson Mining Division, 7p
6. Evans, D. S., 1988
Followup Soil Survey, Aspen Claim Group
Nelson Mining Division, 5p
7. Evans, D. S., 1989
Jamin Claim Soil Survy, Aspen Claim Group
Nelson Mining Division, 5p
8. Fyles, J. T. and Hewlett, C. G., 1959
Stratigraphy and Structure of the Salmo Lead-Zinc Area
British Columbia Dept. of Mines, Bulletin No. 41

SUMMARY REPORT ON
GEOPHYSICAL SURVEYS

BLACK ROCK PROPERTY
NELSON MINING DIVISION, B.C.

FOR
ST. JAMES MINERALS LTD.

BY
INTERPRETEX RESOURCES LTD.

Vancouver, B.C.
August, 1990

T.R. Matich

1.0 INTRODUCTION

A geophysical program consisting of electromagnetic (VLF-EM) and magnetic surveys was carried out on a single grid located on the Black Rock property in the Nelson Mining Division, B.C. The survey was carried out in July, 1990.

2.0 OBJECTIVES

- to establish a correlation between magnetic minerals and mineralized trends,
- to test the effectiveness of VLF-EM in following possible mineralized trends and to establish new unrecognized conductive trends,
- to establish geophysical areas of interest for future exploration.

3.0 SURVEY SPECIFICATIONS

Survey Parameters

- survey line separation - 100 m.
- survey station spacing - 25 m.
- VLF-EM and magnetic survey total 5.7 km.

Equipment Parameters

- VLF-EM Survey
 - Geonics EM-16 VLF-EM receiver
 - Dip Angle (in-phase) and Quadrature (out-of-phase) measured in percent at each station
 - transmitting station used - NLK (24.8 kHz) - Seattle, Wa.
- Magnetic Survey
 - Geometrics G-816 proton precession magnetometer
 - earth's total magnetic field measured in gammas (nT)
 - instrument accuracy +/- 0.1 nT.

Equipment Specifications - see Appendix I

4.0 DATA PRESENTATION

- Uncorrected magnetic data were profiled and are presented on Figure # 1 at a scale of 1:2500
- Seattle VLF-EM in-phase and out-of-phase readings are presented in profile form on Figure # 2 at a scale of 1:2500.

5.0 INTERPRETATION

Discussion of Results

Total field magnetic data over the Silver Ghost grid were noise free with no cultural sources observed. Magnetic readings range from 56939 nT to 57666 nT. Uncorrected magnetic profiles (Figure # 1) show duplicate readings at station 400E on lines 1800N, 2000N and 2200N. Since a base station was not used to correct for magnetic variations, the duplicate readings show how much the diurnal drift affected the magnetic field in the time between readings. Except for line 1800N, the duplicate readings are relatively similar indicating that the diurnal drift was not too large.

The present grid is characterized by relatively quiet magnetic activity. Generally the magnetic results are characterized by numerous weak (100 to 200 nT) highs which form a complex and apparently random pattern. Therefore, no magnetic features were interpreted to continue from line to line. The strongest anomaly discovered by the present survey was a 500 nT high at station 300E on line 1900N.

VLF-EM data collected over the Silver Ghost grid were quite noisy and duplicate readings did not repeat very well. In phase readings appeared to be a factor of 100 times larger than normal values for the EM-16 and therefore each in-phase reading was divided by 100 before plotting. The VLF-EM profiles (Figure # 2) were plotted at a relatively compressed vertical scale of 1 cm. equals 30%, due to strong, noisy readings.

Although the VLF-EM data is suspect due to non-repeating readings, some anomalies appear to be present in the area. Two of these anomalies, located at about 400 E on lines 1800N and 1900N, form a strong conductor which trends northerly. Another possible trend, from 575 E on line 1900 N to 725 E on line 2200 N is within an active region which may be due to geological or other noise.

Conclusions

Magnetic results indicate that the bodies which have caused magnetic anomalies in this area are of short strike length. A broad north trending magnetic high, in the vicinity of 650 E on lines 1900 N through 2200 N, is an exception and may be due to an intrusive body such as a dike.

There are several possible explanations for the active or noisy VLF-EM results observed over the survey area. The transmitter signal strength may have been weakened due to the rugged topography in the area or anomalies may have been caused by zones of conductive overburden or perhaps the rocks in the area are underlain by conductive material such as clay alteration. The two conductors found may be due to undulations in the conductive overburden or subcrop or perhaps caused by fault or shear zones containing wet conductive fault material.

5. RECOMMENDATIONS

Before extensive ground work is carried out the VLF-EM conductors should be checked on the ground using a low frequency electromagnetic system such as vertical or horizontal loop E.M. in order to avoid the suspected noise problem caused by conductive geological or overburden materials. If these checks are successful then additional work such as detailed geochemical and geological surveys are recommended.

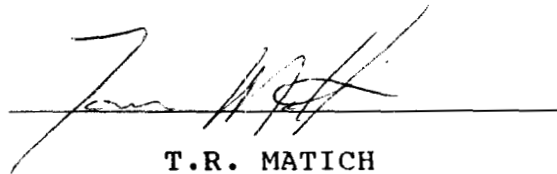
AUTHOR'S NOTE

Data interpreted in this report were accumulated without supervision by Interpretex Resources Ltd. and were supplied by the Client to the writer(s). These data and the locations on the ground from which these data were accumulated are, except when specified otherwise by the writer(s), assumed to be reliable and correct and were interpreted using this assumption.

Respectfully Submitted

INTERPRETEX RESOURCES LTD.

Vancouver, British Columbia

A handwritten signature in black ink, appearing to read 'T.R. Matich', is written over a solid horizontal line.

T.R. MATICH

Geophysicist

CERTIFICATE

I, Thomas Raymond Matich, Geophysicist of Surrey, British Columbia, Canada, hereby certify that:

1. I received a B.Sc. degree in Geophysics from the University of British Columbia in 1982.
2. I currently reside at 13914 116 Ave, in the Municipality of Surrey, in the Province of British Columbia.
3. I have been practising my profession since graduation.
4. This report may be used for the development of the property, provided that no portion will be used out of context in such a manner as to convey meanings different from that set out in the whole.
5. Consent is hereby given to the company for which this report was prepared to reproduce the report or any part of it for the purposes of development of the property, or facts relating to the raising of funds by way of a prospectus and/or statement of material facts.

Date: Aug 30, 1990
Surrey,
British Columbia

Signed:



Thomas Raymond Matich
B.Sc.

APPENDIX I

Equipment Specifications

GEONICS LIMITED
VLf EM 16

Source of Primary Field: VLF transmitting stations

Transmitting Stations Used: Any desired station frequency can be supplied with the instrument in the form of plug-in tuning units. Two tuning units can be plugged in at one time. A switch selects either station.

Operating Frequency Range: About 15-25 Hz

Parameters Measured: (1) The vertical in-phase component (tangent of the tilt angle of the polarization ellipsoid).
(2) The vertical out-of-phase (quadrature) component (the short axis of the polarization ellipsoid compared to the long axis).

Method of Reading: In-phase from a mechanical inclinometer and quadrature from a calibrated dial. Nulling by audio tone.

Scale Range: In-phase $\pm 150\%$; quadrature $\pm 40\%$

Readability: $\pm 1\%$

Reading Time: 10-40 seconds depending on signal strength

Operating Temperature Range: -40 to 50° C.

Operating controls: ON-OFF switch, battery testing push button, station selector, switch, volume control, quadrature, dial $\pm 40\%$, inclinometer dial $\pm 150\%$

Power Supply: 6 size AA (penlight) alkaline cells. Life about 200 hours

Dimensions: 42 x 14 x 9 cm (16 x 5.5 x 3.5 in)

Weight: 1.6 kg (3.5 lbs)

Instrument Supplied With: Monotonic speaker, carrying case, manual of operation, 3 station selector plug-in tuning units (additional frequencies are optional), set of batteries

Shipping Weight: 4.5 kg (10 lbs.)

Name and Address of Manufacturer: Geonics Limited
1745 Meyerside Drive/Unit 8
Mississauga, Ontario
L5T 1C5

MODEL G-816

PORTABLE PROTON MAGNETOMETER

Sensitivity: ± 1 gamma throughout range

Range: 20,000 to 90,000 gammas (worldwide)

Tuning: Multi-position switch with signal amplitude indicator light on display

Gradient Tolerance: Exceeds 800 gammas/ft

Sampling Rate: Manual pushbutton, one reading each 6 seconds

Output: 5 digit numeric display with readout directly in gammas

Power Requirements: Twelve self-contained 1.5 volt "D" cell universally available flashlight-type batteries. Charge state or replacement signified by flashing indicator light on display.

Temperature Range: Console and sensor: -40° to $+85^{\circ}\text{C}$
Battery pack: 0° to $+50^{\circ}\text{C}$ (limited use to -15°C ; lower temperature battery belt operation - optional)

Accuracy (Total Field): ± 1 gamma through 0° to $\pm 50^{\circ}\text{C}$ temperature range

Sensor: High signal, noise cancelling, interchangeably mounted on separate staff or attached to back pack

Size: Console: 3.5 x 7 x 11 inches (9 x 18 x 28 cm)
Sensor: 3.5 x 5 inches (9 x 13 cm)
Staff: 1 inch diameter x 8 ft. length
(3 cm x 2.5 m)

Weight: Console (w/batteries): 5.5lbs. 2.8kgs.
Sensor and signal cable: 4.0lbs. 1.8kgs.
Aluminum staff: 2.0lbs. 0.9kgs.

Total Weight 11.5lbs. 5.2kgs.

EG & G Canada
Exploranium/Geometrics Division
Unit #1
640 Hardwick Road
Bolton, Ontario LOP 1A0

APPENDIX II

VLF-EM and Magnetic Data List

INTERPRETEX RESOURCES LTD. Data Listing

Area: NELSON, B.C. Current File Name: BRDAT.WR1
 Grid: BLACK ROCK From File Name: BR.XYZ
 Date: August, 1990

INSTRUMENT TYPE: EM-16 VLF-EM Receiver & G-816 Magnetometer

(Line & Station + = Northings and Eastings,
 - = Southings and Westings)

DATA TYPE(S): DATA DETAILS:
 #1. Total Field Magnetic Values Uncorrected total magnetic field
 #2. VLF-EM In-Phase Values Seattle Transmitter - facing east
 #3. VLF-EM Quadrature Seattle Transmitter - facing east

E/W	N/S			
STATION	LINE #	# 1.	# 2.	# 3.
line 2400				
0	2400	57232	165	-32
25	2400	57225	350	34
50	2400	57197	-200	16
75	2400	57191	-122	-2
100	2400	57231	-160	1
125	2400	57162	250	34
150	2400	57133	275	39
175	2400	57108	-34	2
200	2400	57119	122	40
225	2400	57174	-225	16
250	2400	57122	225	32
275	2400	57061	225	27
300	2400	57113	150	34
325	2400	57094	275	42
350	2400	57331	275	42
375	2400	57178	122	32
400	2400	57211	116	21
400	2400	*	-160	26
425	2400	*	-116	16
450	2400	*	-106	6
475	2400	*	-120	5
500	2400	*	-119	10
525	2400	*	-113	30
550	2400	*	130	31
575	2400	*	-107	2
600	2400	*	-150	15
625	2400	*	-160	7
650	2400	*	-145	35
675	2400	*	-122	16
700	2400	*	160	-10
725	2400	*	145	-10
750	2400	*	155	-11
775	2400	*	-400	-10
800	2400	*	-450	3
line 2300				
0	2300	57298	325	40
25	2300	57299	200	17
50	2300	57265	225	40
75	2300	57227	114	41
100	2300	57247	101	40
125	2300	57275	100	30
150	2300	57205	109	41

175	2300	57206	225	20
200	2300	57312	-140	26
225	2300	57170	-140	20
250	2300	57304	-170	20
275	2300	57146	-145	42
300	2300	57195	-115	32
325	2300	57170	-108	23
350	2300	57244	130	16
375	2300	57200	-113	32
400	2300	57234	130	42
425	2300	57226	110	22
450	2300	57227	130	8
475	2300	57236	125	40
500	2300	57239	-122	12
line 2200				
0	2200	57360	275	-2
25	2200	57278	400	-12
50	2200	57253	225	22
75	2200	57280	300	-11
100	2200	57156	-400	9
125	2200	57212	300	23
150	2200	57190	-325	39
175	2200	57295	300	42
200	2200	57214	225	27
225	2200	57305	-250	28
250	2200	57177	-160	30
275	2200	57248	-180	6
300	2200	57292	300	18
325	2200	57150	-180	20
350	2200	57309	250	2
375	2200	57227	500	32
400	2200	57234	500	2
400	2200	57265	116	-44
425	2200	57347	137	-29
450	2200	57262	127	-1
475	2200	57385	127	-2
500	2200	57262	150	-8
525	2200	57266	225	-16
550	2200	57265	170	-24
575	2200	57293	160	1
600	2200	57375	250	-5
625	2200	57383	-350	1
650	2200	57373	-350	-11
675	2200	57346	275	16
700	2200	57295	350	-6
725	2200	57233	350	-2
750	2200	57242	-400	15
775	2200	57226	210	25
800	2200	57219	190	-7
line 2100				
0	2100	57322	160	3
25	2100	57259	190	-1
50	2100	57241	180	14
75	2100	57237	350	8
100	2100	57179	400	16
125	2100	57199	200	8
150	2100	57224	170	10
175	2100	57295	225	7
200	2100	57227	225	9
225	2100	57202	300	32

250	2100	57445	250	16
275	2100	57453	350	27
300	2100	57302	225	12
325	2100	57270	400	12
350	2100	57376	180	-32
375	2100	57272	145	-28
400	2100	57301	122	-20
425	2100	57253	125	-31
450	2100	57363	250	-43
475	2100	57122	122	-19
500	2100	57249	150	-10
525	2100	57265	235	-31
550	2100	57351	250	-29
575	2100	57352	225	-15
600	2100	57364	170	-15
625	2100	57358	260	-10
650	2100	57384	325	-9
675	2100	57275	260	-9
700	2100	57273	-350	-35
725	2100	57224	275	-31
750	2100	57227	-300	-17
775	2100	57213	200	-19
800	2100	57209	-145	-29

line 2000

-100	2000	57117	300	36
-75	2000	57116	350	36
-50	2000	57136	350	36
-25	2000	57092	125	41
0	2000	57200	117	22
25	2000	57119	130	32
50	2000	57158	145	40
75	2000	57155	125	42
100	2000	57097	160	44
125	2000	57077	118	38
150	2000	57015	123	40
175	2000	57097	128	30
200	2000	57109	130	42
225	2000	57043	125	40
250	2000	56963	-111	30
275	2000	57217	-101	26
300	2000	57136	-104	2
325	2000	57222	158	-40
350	2000	57277	112	18
375	2000	57205	115	20
400	2000	57228	118	10
400	2000	57219	158	0
425	2000	57224	125	-1
450	2000	57276	117	-2
475	2000	57245	145	1
500	2000	57198	300	-28
525	2000	57244	250	-9
550	2000	57243	170	-28
575	2000	57219	190	-10
600	2000	57285	400	-25
625	2000	57318	190	5
650	2000	57385	400	-20
675	2000	57156	145	33
700	2000	57272	116	31
725	2000	57199	450	-2
750	2000	57187	125	1

775	2000	57007	250	3
800	2000	57184	190	36
line 1900				
-200	1900	57259	*	*
-175	1900	57205	102	41
-150	1900	57140	103	28
-125	1900	57189	-162	28
-100	1900	57194	-152	39
-75	1900	57166	-113	32
-50	1900	57149	-102	35
-25	1900	57136	102	29
0	1900	57110	102	35
25	1900	57120	101	30
50	1900	57113	103	41
75	1900	57109	-101	38
100	1900	57088	102	33
125	1900	57101	-170	-21
150	1900	57010	-115	-32
175	1900	56939	-125	16
200	1900	57066	-113	2
225	1900	57111	-125	-19
250	1900	57168	-101	10
275	1900	57067	-106	-1
300	1900	57666	103	15
325	1900	57425	150	36
350	1900	57451	145	16
375	1900	57238	325	25
400	1900	57156	500	23
425	1900	57152	-225	6
450	1900	57127	-300	16
475	1900	57125	300	33
500	1900	57125	200	38
525	1900	57130	135	42
550	1900	57137	350	22
575	1900	57216	101	-31
600	1900	57248	-106	-34
625	1900	57285	178	-42
650	1900	57253	126	-3
675	1900	57228	145	-40
700	1900	57248	155	-16
725	1900	57143	140	-22
750	1900	57216	104	-32
775	1900	57176	170	-37
800	1900	57177	180	-36
line 1800				
-100	1800	57236	-135	15
-75	1800	57158	-120	-3
-50	1800	57244	-110	-3
-25	1800	57207	-105	5
0	1800	57173	105	-2
25	1800	57150	110	-3
50	1800	57118	125	-5
75	1800	57119	135	-2
100	1800	57048	101	5
125	1800	57036	-185	23
150	1800	57247	-225	32
175	1800	57240	-102	-26
200	1800	57172	102	38
225	1800	57185	101	-28
250	1800	57285	105	-35

275	1800	57231	106	5
300	1800	57180	102	3
325	1800	57276	104	2
350	1800	57316	125	-5
375	1800	57335	500	-10
400	1800	57386	-400	21
400	1800	57242	-400	21
425	1800	57215	-250	12
450	1800	57162	120	-18
475	1800	57146	108	-1
500	1800	57173	101	-34
525	1800	57133	130	-41
550	1800	57293	180	-28
575	1800	57175	140	-37
600	1800	57137	*	*
625	1800	57138	140	4
650	1800	57127	150	16
675	1800	57130	165	18
700	1800	57094	135	38
725	1800	57066	160	42
750	1800	57156	135	-7
775	1800	57160	125	-34
800	1800	57137	140	-16

CERTIFICATE

I, DAVID S. EVANS, currently residing at 5232 Viceroy Dr., N.W., Calgary, AB, T3A 0V7, Canada, hereby certify that:

1. I am a mining exploration geologist and have practised my profession since 1966.

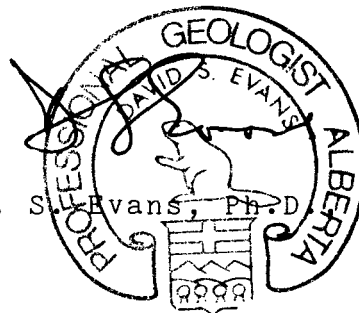
2. I am a graduate of the University of British Columbia with a B.Sc. (1966) in Chemistry and Geology, and a graduate of the Royal School of Mines, University of London (UK) with a Ph.D. (1971) in Applied Geochemistry.

3. I am a registered Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta, a Member of the Society of Exploration Geochemists, and a Fellow of the Geological Association of Canada (1973).

4. I have visited the Aspen and Black Rock Claim Groups on numerous occasions during the period 1984 to 1990. This report is based on work carried out under my supervision and personally collected data and observations.

Aug 31/90

August 31rst, 1990



D. S. Evans, Ph.D. P.Geol.

APPENDIX 3

STATEMENT OF
EXPLORATION EXPENDITURES

1. Geophysical Surveys:	\$2900
2. Geophysical Consulting and Report:	\$1100
3. Air Photographic Study and Report:	\$2500

TOTAL EXPENDITURES AND COSTS FOR THIS REPORT: \$6,500.00

JAMIN (4707)



4000'

L28+00N

ACTIVE FM AND LAIB FM SHALES

L25+00N

LOT 14407
(3185)

REEVES LST

3800'

L24+00N

EXTENSIVE
OVERBURDEN
COVER

DOLOMITE

L23+00N

Old Shaft &
Core Location

LOT
14406
(3184)

3600'

L22+00N

3400'

L21+00N

L20+00N

LOT
14408
(3186)

LOT
14405
(3183)

3200'

L19+00N

Pb, Zn

3000'

L18+00N

2800'

SKID TRAIL

L17+00N

L16+00N

SHEEP CREEK ROAD

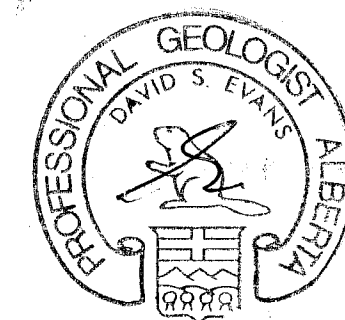
2400'

Sheep Creek

Blackrock/Aspen
1998 Grid Location
Reference

—— 1988 'ASPEN' GRID
..... 1988 'BLACKROCK' GRID

Date: _____ Scale: 1:5000 (1cm=50m)



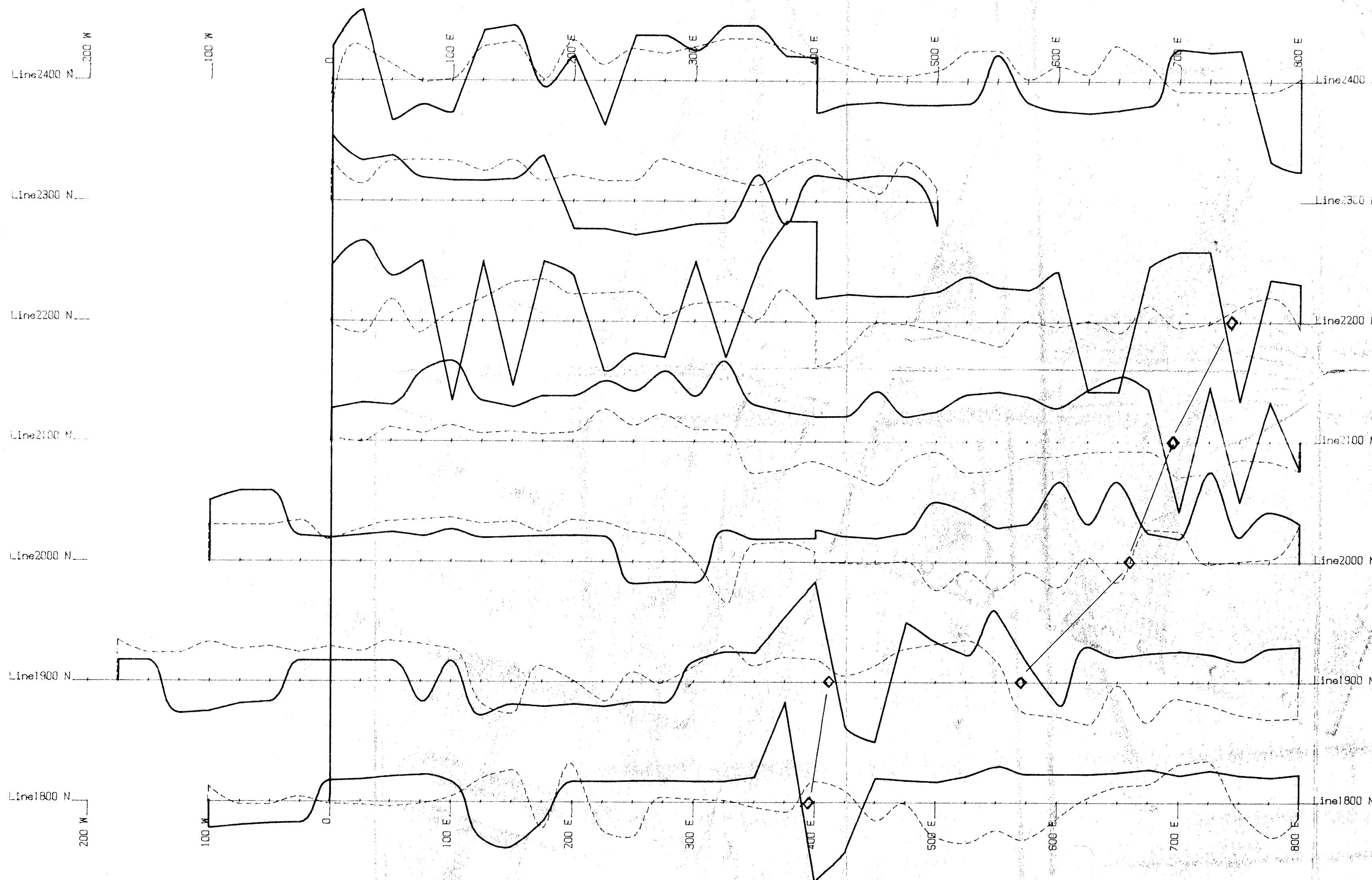
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,259

Scale 1:2500
25 0 25 50 75 100 125
(metres)

LEGEND NLK, Seattle, Washington

- Anomalous Inflection (In-Phase)
- In-Phase
- Quadrature
- Field Strength 1 cm. = .s. units
- VLF-EM Conductor



ST. JAMES MINERALS LTD.

VLF-EM Profiles

BLACK ROCK PROPERTY

Nelson M.D. NTS: 82F/3E

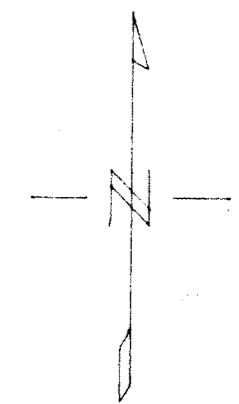
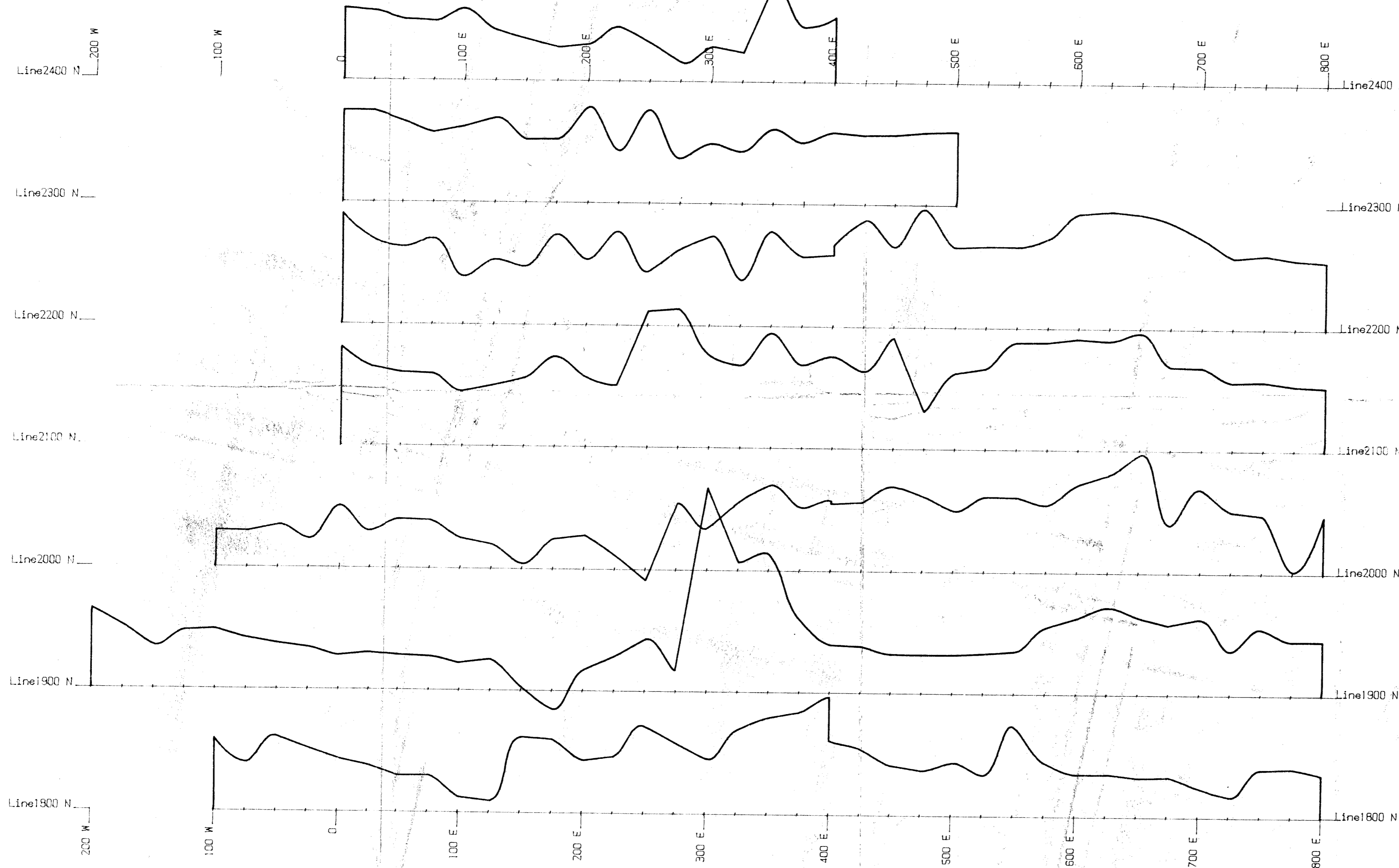
August, 1990

Figure # 268

Interpretex Resources Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

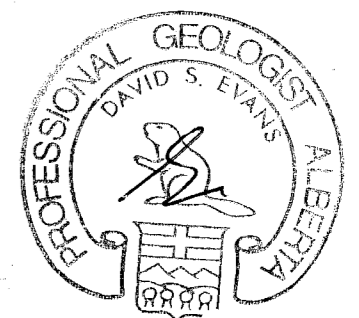
20,259



Scale 1:2500
25 0 25 50 75 100 125
(metres)

LEGEND

— Magnetic Field Strength
1 cm. = 100 nT
Magnetic Field Datum Level = 57000 nT



ST. JAMES MINERALS LTD.

Total Field Magnetic Profiles

BLACK ROCK PROPERTY

Nelson M.D. NTS: 82F/3E

August, 1990

Figure # 152

Interpretex Resources Ltd.