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FILE NO:	

PROSPECTING REPORT  
and  
STATEMENT OF WORK  
for  
MINERAL CLAIMS #5980 (BEAR)  
(16 UNITS)  
in the  
GREENWOOD MINING DIVISION B.C.

Map No 82E/2E  
Lat. 49°10' 11'  
Long. 118°35' 32'

on behalf of  
JOHN KEMP  
BOX 866  
GRAND FORKS, B.C.

VOH 1HO  
by  
JOHN KEMP  
DON HAIRSINE  
July 5, 1991

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**21,509**

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## 1.0 INTRODUCTION

The Bear Claim #5980 (16 Units) was staked on July 8, 1990 to cover 8 old crown grants that were situated approximately 3.5 km east of Jewel Lake and 2.5km north of the old Eholt townsite. Bear encompasses the headwaters of South Pass Creek. Many old workings were documented on these crown grants and the Rambler (L792) produced and shipped some ore.

These claims have been held continuously from the early part of the century.

The Crown Grants were:

L2217	Loan King
L2729	Keystone
L2727	Nighthawk
L2725	Empire
L 792	Rambler
L2726	Rambler #2
L2728	Elcho
L2306	Oregon

## 2.0 SUMMARY & CONCLUSIONS

The Bear Claim, consisting of 16 units was prospected and sampled by John Kemp and Don Hairsine.

The purpose was to locate all workings on the Crown Grants and determine whether there is any correlation between them. Although the claims have many workings, the areas of interest have been narrowed down to 3 separate zones.

### ZONE #1 (in the southwest) Night Hawk L2727

- In this area 3 pits were found, approx. 5-6m deep and 3-4m wide, all encountering disseminated sulphides.
- Also a timbered shaft was found which appears to be at least 10m deep, although it is plugged with debris. Much pyrrhotite and some chalcopyrite and pyrite was seen in the dumps.
- 4 additional trenches also indicate that the pits and shaft were in the same disseminated sulphide zone trending northwest.
- 3 diamond drill holes were noted but no information is available.
- Samples were collected from the shaft and 2 pits and sent for assay.- Best results were:
  - .85 for copper
  - .59 for silver
  - .35 for gold
- As this area is heavily treed, we are waiting for a work permit to place a grid for S.P. and a Mag survey.

## 2.0 Cont. SUMMARY &amp; CONCLUSIONS

## ZONE #2 (middle of the claim) Rambler L792

- This area has 3 large trenches into bedrock approx. 1m deep and 15-20m long, cutting heavy sulphides (heavy pyrrhohite, some chalcopyrite and pyrite)
- Also on this section are two timbered shafts (full of water) and with large dumps. These shafts were found to be in excess of 16m in depth. The old steam boiler is still near the bottom shaft.
- Some drilling by use of a winky drill has been noted although the actual holes and results are not available.
- Mineralization is in a northwest trend also.
- Samples were collected and the best results were:
 

21712	ppm	copper
3930	ppb	gold
65.1	ppm	silver
- This area will have a Mag and S.P. survey also this summer, 1991

## ZONE #3 (northwest) Keystone L2729 Elcho L2728

- These workings are in a logged off area which consists of 5 large hand-dug trenches approx. 1m deep, 1m wide and 10-15m long. Trees growing in these trenches indicate they were excavated approx. 50-60 years ago.
- A larger trench 3-4m deep and 2m wide has an adit dipping at 40° to the south which is following <sup>THE</sup> strike of <sub>A</sub>

## 2.0 Cont. SUMMARY &amp; CONCLUSIONS

a disseminated sulphide sheer zone. This zone is 3/4m across and dips  $60^{\circ}$  to the west. The strike of the mineralization  $320^{\circ}$ N and was followed off the northwest corner of Bear to more large workings approx. 200m from the adit.

- Additional claims have been staked to cover this ground.
- 500m of baseline was established in the logged area and 2000m of grid lines were put in using 40m stations on the baseline and 20m stations on the grid. The grid was placed for prospecting, and for a future geophysical survey.
- Additional grid will be placed when the applied for work permit is received.
- Samples were collected and the best results were:
  - .28 for gold
  - .36 for silver

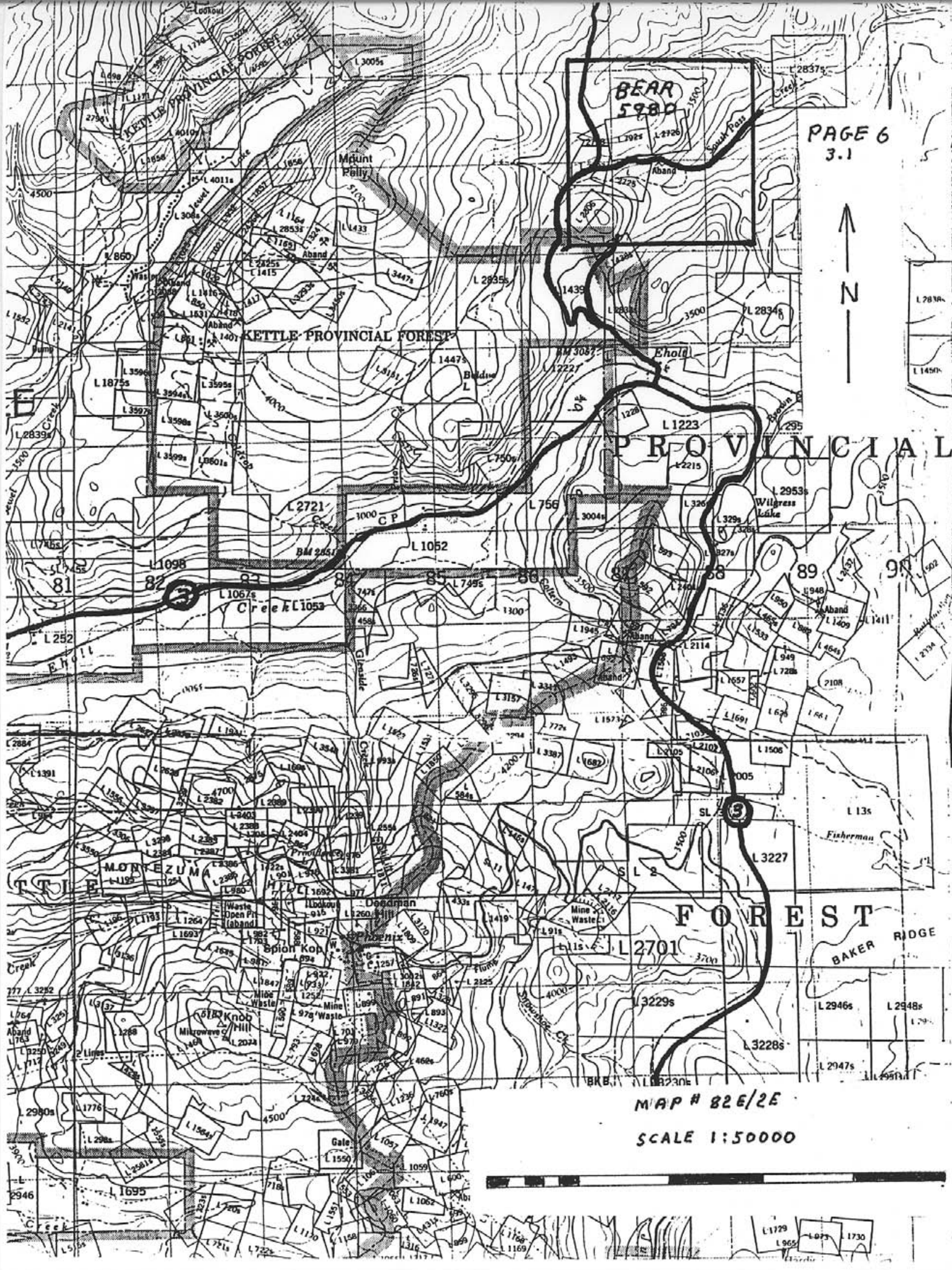
### 3.0 LOCATION & ACCESS

The Bear Claim 5980 is located in the Greenwood Mining District, Map No. 82E/2E Lat.  $49^{\circ}10'$

Long.  $118^{\circ}35'$

The area of interest encompasses the drainage area or headwaters of Southpass Creek.

Good access to this area is off of Highway #3 at Eholt, which is 11 miles from Greenwood or 16 miles from Grand Forks. After leaving Highway #3 proceed north up the South Pass Forestry Road for  $2\frac{1}{2}$ km. This will place you on the S.W. corner of the claim. The road passes through to the northwest of the claim.



**BEAR  
5980**

**PROVINCIAL**

**FOREST**

**BAKER RIDGE**

MAP # 82E/2E

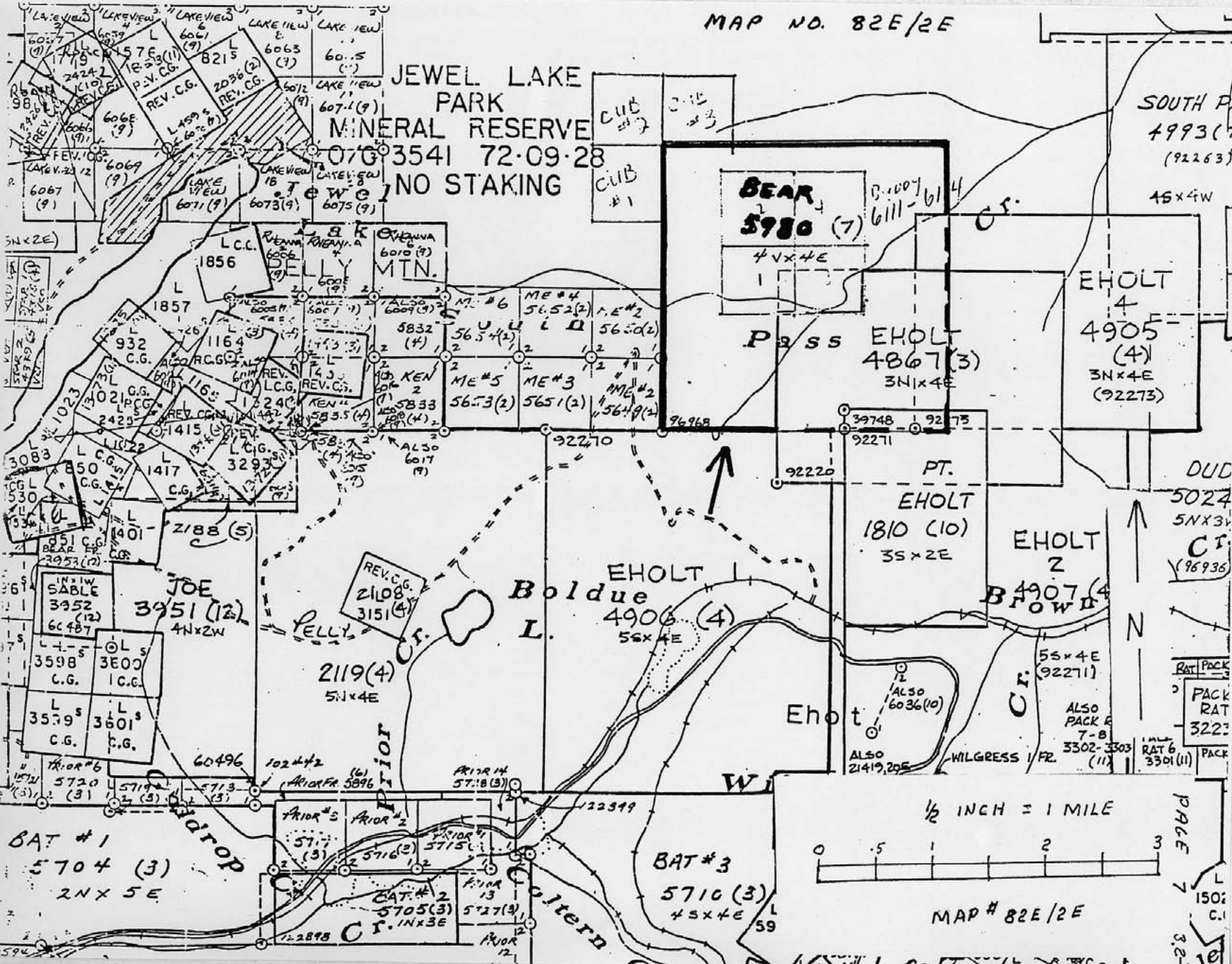
SCALE 1:50000



L 1179  
L 965  
L 1073  
L 1730



JEWEL LAKE  
PARK  
MINERAL RESERVE  
0703541 72-09-28  
NO STAKING



SOUTH P  
4993 (7)  
(92263)

45x4W

BEAR  
5980 (7)  
4Vx4E

EHOLT  
4  
4905  
(4)  
3N x 4E  
(92273)

Pass EHOLT  
4867 (3)  
3N x 4E

DUD  
5024  
5N x 3V  
CT  
(96936)

EHOLT  
1810 (10)  
3S x 2E

EHOLT  
2  
4907 (4)  
BROWNE

EHOLT  
4906 (4)  
56x4E  
Boldue  
L.

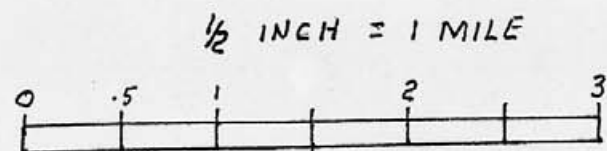
JOE  
3951 (12)  
4N x 2W

2119 (4)  
5N x 4E

Eholt

ALSO  
PACK E  
7-8  
3302-3303  
(11)

RAT PACK  
PACK  
RAT  
3223



BAT #1  
5704 (3)  
2N x 5E

BAT #3  
5710 (3)  
4S x 4E

BAT #2  
5705 (3)  
1N x 3E



#### 4.0 CLAIM INFORMATION

The Bear Claim (5980) consists of 16 units on the headwaters of Southpass Creek, being a tributary of Pass Creek, which flows eastward into the Granby River.

The geology of the Bear Claim consists of basalts, andesites and cherts in contact with diorite on the northwest of the claim.

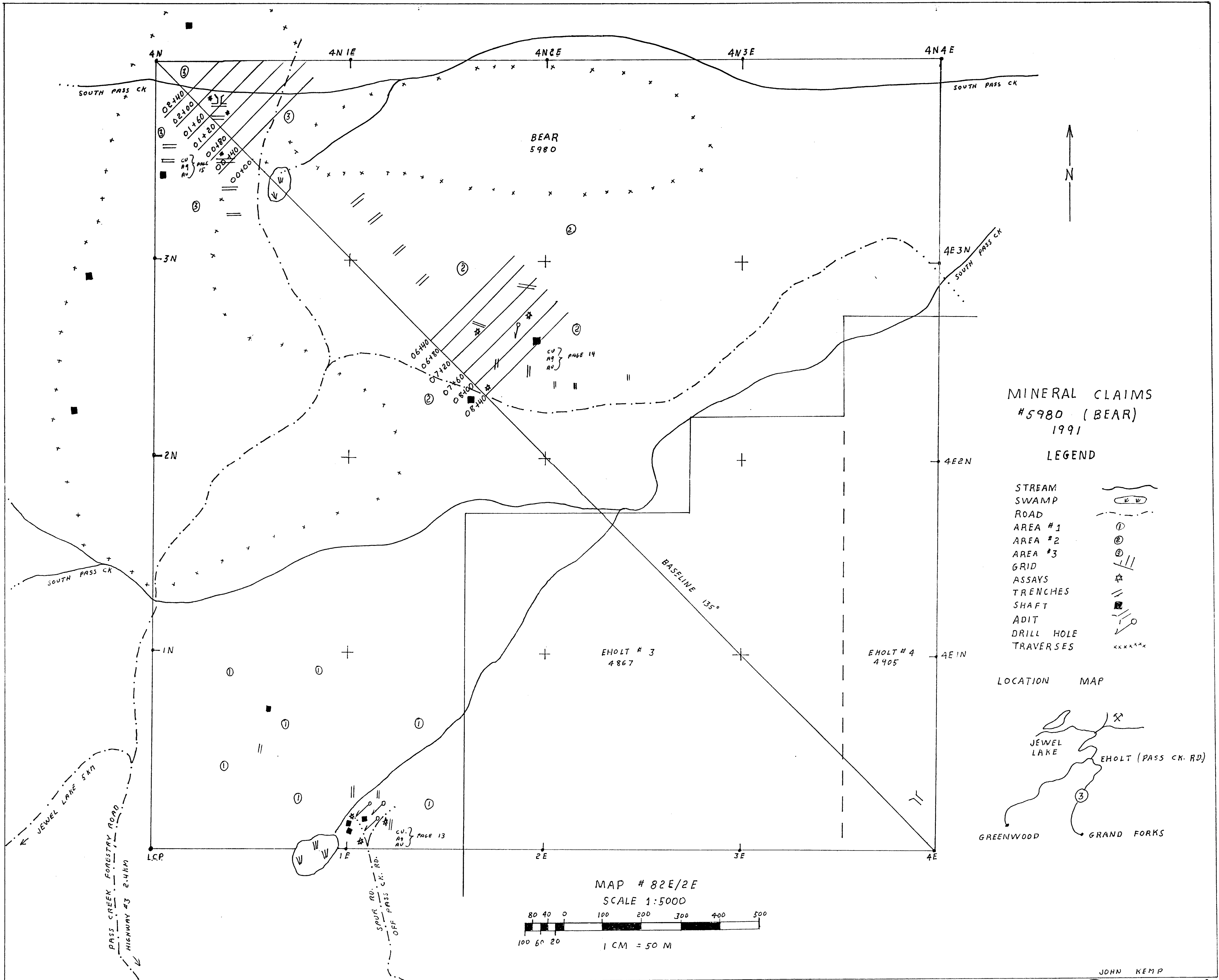
- Sills of syenite porphyry appears throughout the property (coryell syenite)
- Some large pieces of float were found consisting of coarse boulder and pebble conglomeration containing chert, greenstone, granite and other. (springbrook formation)
- In the northwest some skarn material was found adjacent to the mineralization.
- Mineralization appears in sheer zones, mainly disseminated sulphides and sometimes massive. Pyrrhotite, pyrite and small amounts of chalcopyrite are seen throughout the 3 areas of interest.
- The assays indicate that the more pyrrhotite that is present the higher the arsenic and gold values.
- Because of the amount of glacial and alluvial overburden much of this area is difficult to prospect and will need geophysical and geochemical programs.

## 5.0 PREVIOUS WORK

Previous work consists of:



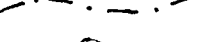



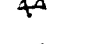



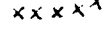


1. 22 trenches varying from 1m-20m in length
2. 17 pits ranging from  $\frac{1}{2}$ m to 4m in depth
3. 1 adit full of water so length is in excess of 3m
4. 3 timbered shafts in excess of 16m
5. 3 diamond drill holes in southwest corner
  - Some small core drilling (winky drill) at midpoint
6. Some cat trenching on southwest corner and midpoint

Old reports and min-file are presently being researched.

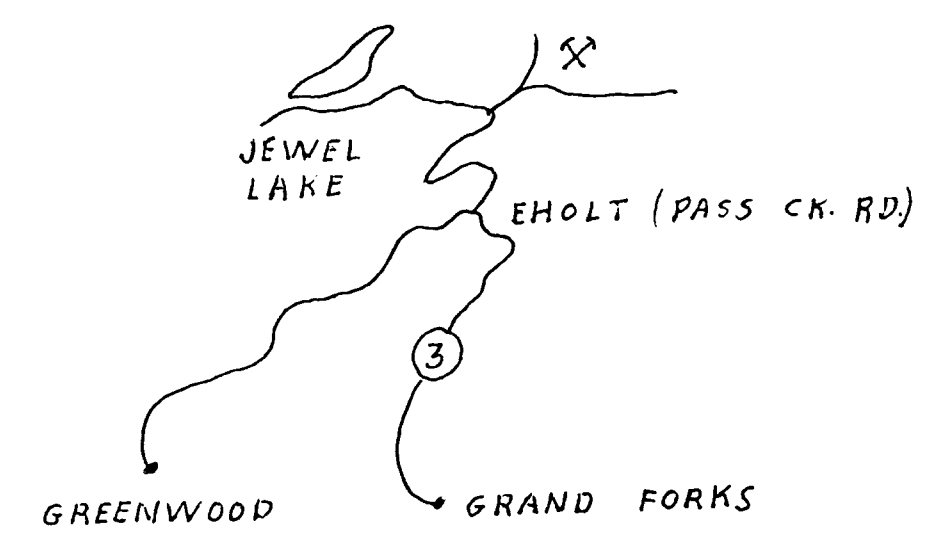


MINERAL CLAIMS  
#5980 (BEAR)  
1991

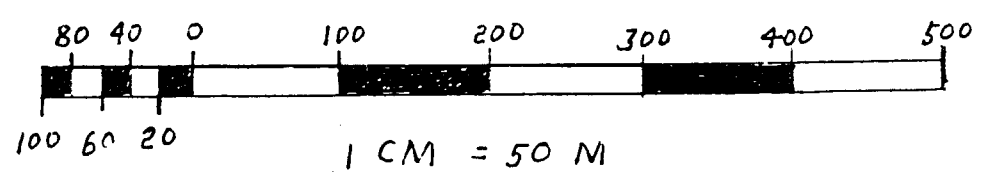
LEGEND

- STREAM 
- SWAMP 
- ROAD 
- AREA #1 
- AREA #2 
- AREA #3 
- GRID 
- ASSAYS 
- TRENCHES 
- SHAFT 
- ADIT 
- DRILL HOLE 
- TRAVERSES 

LOCATION MAP



MAP # 82E/2E  
SCALE 1:5000



JOHN KEMP

A.R. 21509

## 6.0 DESCRIPTION OF WORK

The property was generally prospected over the entire 16 units. Much of this is blanketed with overburden. Many old trenches and pits were found and samples taken.

The three main areas of interest were defined and were more extensively prospected.

5 Days Prospecting, 2 Persons

A work permit was applied for and was decided to work in the #3 area northwest because it was logged off and a grid could be put in using pickets and ribbons. 500m of baseline and 200m of grid were placed, prospected and a scintilometer was used on the grid and readings documented.

3 Days Prospecting, 2 Persons

Also the #2 midpoint area was traversed with the scintilometer and prospected defining more areas of interest.

1 Day Prospecting, 2 Persons

WORK WAS STARTED JUNE 1 & COMPLETED  
JUNE 14/1991

ACME ANALYTICAL LABORATORIES LTD.  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: MAR 1 1991

DATE REPORT MAILED: *March 12/91*

### ASSAY CERTIFICATE

*PAGE 13*  
*6.2*

John Kemp FILE # 91-0540  
Box 866, Grand Forks BC V0H 1H0

SAMPLE#	Cu	Ag	Au*
	%	oz/t	oz/t
1	.50	.59	.014
2	.85	.15	.008
3	.23	.16	.035

- 1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, ANALYSIS BY ICP. AU - 10 GM ACID LEACHED / MIBK, ANALYSIS BY AA.  
- SAMPLE TYPE: P1-ROCK AU\* ANALYSIS BY AA FROM 10 GM SAMPLE.

SIGNED BY *C. Henry* D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

*ASSAYS FROM AREA 1*

PAGE 1  
6.2

**GEOCHEMICAL ANALYSIS CERTIFICATE**

**John Kemp** File # 90-1727  
Box 866, Grand Forks BC V0H 1H0

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
#1	1 21712	34	1400	65.1	30	112	473	23.67	8	5	ND	1	23	15.7	2	49	12	.32	.030	2	11	.21	2	.01	7	.59	.01	.01	11	3930	
#2	2 675	52	29	1.0	38	27	292	4.44	11	5	ND	1	42	.2	2	2	26	1.18	.053	3	22	.45	9	.13	5	1.24	.02	.03	4	22	
#3	7 6949	35	22	5.7	69	234	888	30.03	5	5	ND	1	4	.2	2	30	18	1.72	.002	2	26	.14	2	.03	3	.67	.01	.01	1	9	

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: Rock AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 13 1990 DATE REPORT MAILED: *June 15/90* SIGNED BY: *C. Long* D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

/ ASSAY RECOMMENDED

ASSAY FROM AREA #2



PAGE 15  
6.2

ASSAY CERTIFICATE

John Kemp File # 91-1196  
Box 866, Grand Forks BC V0H 1H0

SAMPLE#	Mo %	Cu %	Pb %	Zn %	Ag oz/t	Ni %	Co %	Mn %	Fe %	As %	U %	Th %	Cd %	Sb %	Bi %	Au oz/t
SAMPLE#4 BEAR	.001	.02	.01	.01	.06	.01	.03	.08	39.63	.01	.01	.01	.01	.01	.01	.013
SAMPLE#5 BEAR	.002	.04	.01	.01	.20	.01	.05	.02	42.02	.02	.01	.01	.01	.01	.01	.022
SAMPLE#6 BEAR	.005	.09	.01	.04	.36	.01	.03	.08	21.97	.03	.01	.01	.01	.01	.01	.283

- 1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, ANALYSIS BY ICP. AU - 10 GM ACID LEACHED / MIBK, ANALYSIS BY AA.  
- SAMPLE TYPE: ROCK

DATE RECEIVED: MAY 6 1991 DATE REPORT MAILED: *May 8/91* SIGNED BY.....*C. Leung*.....TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ASSAYS FOR AREA #3

## 7.0 STATEMENT OF EXPENSES

9 Days	Prospecting & Related Work	
	2 Men @ \$125.00 per man per day	\$2,250.00
9 Days	1978 GMC 4x4 @ \$40.00 per day	360.00
9 Assays		167.57
5 Days	Scintilometer Rental	125.00
Miscellaneous:	Ribbon, Topo-Line	43.65
		<hr/>
		\$2,946.22
		<hr/> <hr/>

## 8.0 CERTIFICATE

JOHN KEMP

BOX 866

GRAND FORKS, B.C. VOH1HO



Basic Prospecting Course

B.C. Chamber of Mines, 1970

Prospecting Course

B.C. Chamber of Mines, 1989

Advanced Prospecting Course

B.C. Chamber of Mines  
& Malaspina College, 1991

DON HAIRSINE

BOX 1239

GRAND FORKS, B.C. VOH1HO



Basic Prospecting Course, 1956

Advanced Prospecting Course

B.C. Ministry of Mines  
& Malaspina College, 1984