

REPORT ON GEOCHEMICAL SURVEY  
G.W. GROUP near BEASLEY, B.C.  
NELSON MINING DIVISION  
49° 30' - 117° 29'  
by A.R. Bullis, P. Eng.  
GREAT WEST MINING CORPORATION LTD.  
July 1st - September 30th, 1966

82 F/GW

927

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GREAT WEST MINING CORPORATION LTD.

SOIL SAMPLING PROGRAM

INTRODUCTION

The Group of Claims are in the Nelson Mining Division and are located near Beasley, B.C. The Group is recorded with the Department of Mines & Petroleum Resources as the "G.W. Group", there are twenty-nine claims in the Group.

During the year 1966, a soil sampling program was undertaken on the properties owned by Great West Mining Corporation Ltd.; the property consists of the G.W. Group of twenty-nine located mineral claims listed below. Only the work undertaken on the G.W. Group is covered by this report.

CLAIMS IN G.W. GROUP

<u>Name of Claim</u>	<u>Record No.</u>	<u>Name of Claim</u>	<u>Record No.</u>
D1 Fr	7906	Ron #1	7911
D3 Fr	7907	Ron #2	7912
D5 Fr	7908	Ron #3	7913
Crown Fr	8075	Ron #4	7914
Jewel Fr	8076	Ron #5	7915
Wolf #1	7858	Ron 6 Fr	7909
Wolf #2	7859	No Hope 1	7988
Arja 1	8894	No Hope 2	7989
Arja 2	8895	No Hope 3	7990
CU 1 Fr	9229	No Hope 4	7991
CU 2 Fr	9230	No Hope 5	7992
CU 3	9231	No Hope 6	7993
CU 4	9232	No Hope 7	7994
W9 Fr	7904	No Hope 8	7995
W11 Fr	7905		

WORK SUMMARY

The program was carried out under the supervision of A.R. Bullis, P. Eng. Mr. Uldis Anins was in charge of the field party that consisted of two laborers (line-cutters) and two

WORK SUMMARY - cont'd.

students who took the soil samples.

The program was carried out during the months of July and August, 1966.

METHODS EMPLOYED

The soil samples were taken on a control grid. The Base Line extends for 10,000 feet in an east-west direction; side lines at 100 foot intervals were cut on a north-south bearing. The side lines were cut over the areas that were known, or suspected, to be underlain by "skarn". A total of 33,000 feet of side lines were cut on the "G.W. Group".

The soil samples were collected at one hundred foot intervals and the sampling was done with a 2 inch earth auger. The soil was collected from below the humus layer in order to obtain organic-free samples.

The samples collected were tested by the acetic acid - Rubeanic acid test strips. The samples were dried and one-half teaspoon of soil was placed in a filter paper cone. The end of the cone was placed so that it just came in contact with the Rubeanic acid strip. Enough acetic acid solution was put on the soil sample to produce a wet spot about  $\frac{1}{4}$  inch in diameter.

Arbitrary values were assigned to the varying intensities of color produced on the test strips from 1 to 5. The method of plotting the results was to assign colors to the "intensity" numbers and these were placed on a map of the areas on a scale of one inch equals one hundred feet.

CONCLUSIONS

The general background of the two areas tested, on Claims CU 1 Fraction (9229) and Arja 1 (8894), averages 1 to 2 on the arbitrary scale of values. Any value in excess of 3 was considered to be anomalous and contours were drawn around areas from which such values came.

The old Queen Victoria mine workings are located on Arja 1 Claim and the anomalous area down slope from these workings is suspect. There are three other anomalous areas on the Arja 1 Claim. Two lie west of the Queen Victoria workings and one lies to the north-east. These anomalous areas probably represent an extension of the mineralized "skarn" that was mined at the Queen Victoria and has, subsequently, been exposed by the removal of overburden in the vicinity of the Queen Victoria workings.

On Claim CU 1 Fraction, soil samples were taken in the vicinity of a number of diamond drill holes where mineralized skarn was known to exist. Four anomalous areas were located. The largest of these lies between lines 96 and 100 about five hundred feet south of the Base Line. The length of the anomalous area is 700 feet and it is about 200 feet wide.

The author recommends that additional trenching and stripping, or drilling, be done on the anomalous areas to determine the cause of the soil anomalies.

Respectfully submitted,



A.R. BULLIS, P. ENG.

ARB/mm:

CERTIFICATE OF QUALIFICATION

I, Albert Ralph Bullis, do hereby certify that:

1. I am a practising geological engineer with offices at #1028 Vancouver Block, 736 Granville Street, Vancouver, B.C.
2. I am a graduate of the University of British Columbia and have been granted the degree of Bachelor of Applied Science.
3. I have been practising my profession as a geological engineer for fourteen years.
4. I am a member of the Association of Professional Engineers of British Columbia and a member of the Association of Professional Engineers of Ontario.

*A.R. Bullis*

A.R. BULLIS, P. Eng.

Vancouver, B.C.



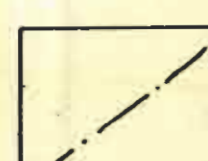
February 10, 1967

## CERTIFICATE OF QUALIFICATION



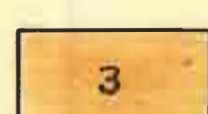
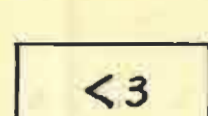
This is to certify that Uldis Anins had completed three years honors geology at the Mount Allison University, Sackville, New Brunswick and had worked for Highland-Bell Mines Ltd. under Dr. W.R. Bacon, P. Eng. conducting similar work before doing the geochemical survey at the Great West Mining Corporation property, supervised by A.R. Bullis, P. Eng.

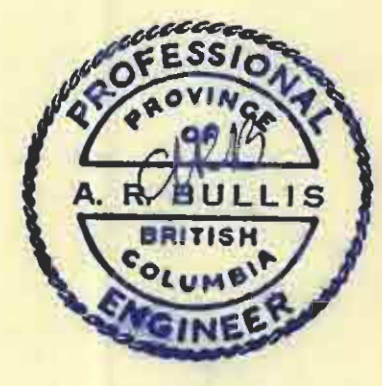
H.E. Derraugh

**LEGEND**

-  Geochemical Anomaly
-  Skarn
-  Geological Boundary

**GEOCHEMICAL LEGEND**

-  5 HIGH ANOMALOUS
-  4 MEDIUM ANOMALOUS
-  3 LOW ANOMALOUS
-  <3 BACKGROUND

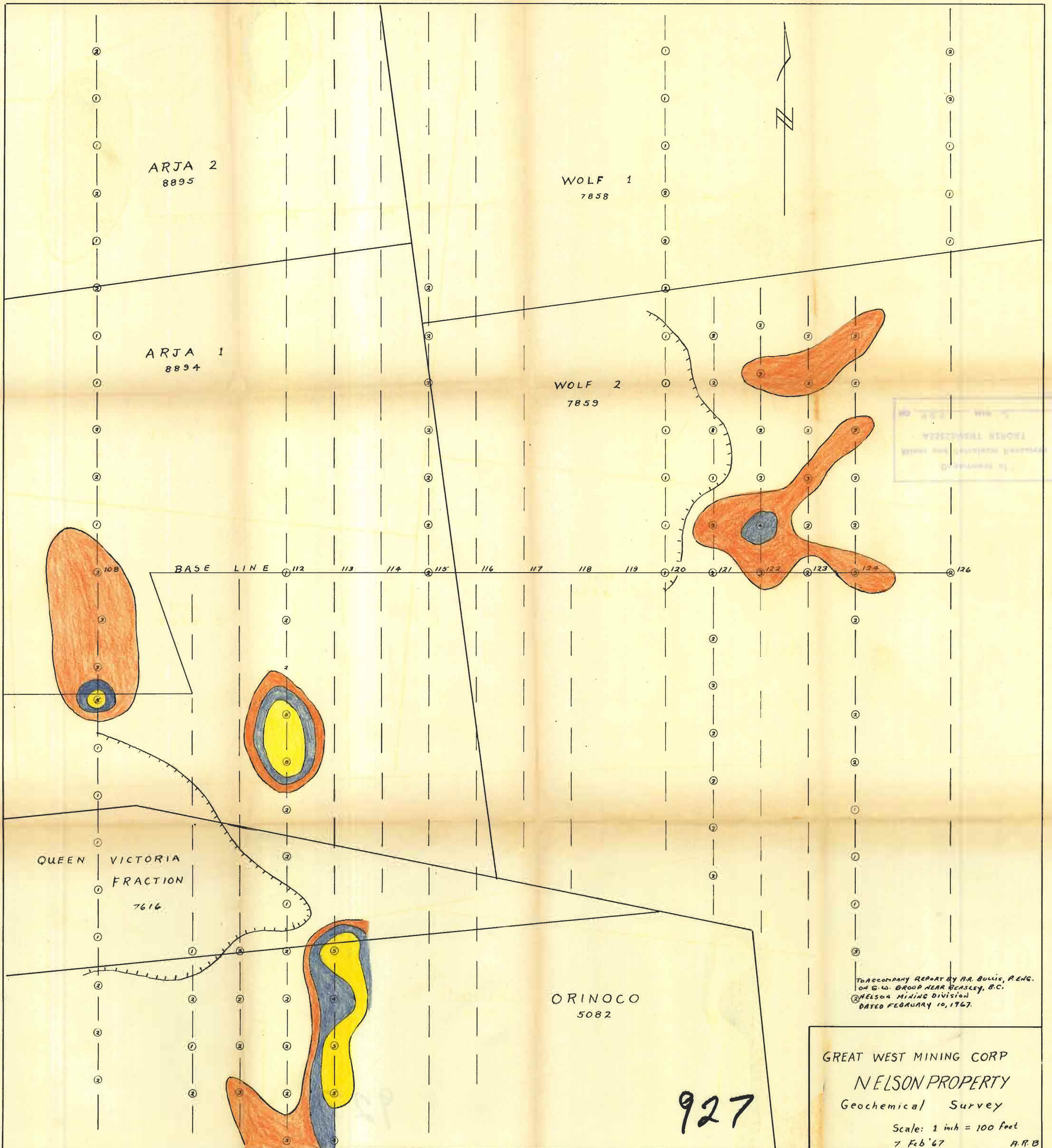


To ACCOMPANY REPORT BY A.R. BULLIS, P. ENG.  
ON G.W. GROUP, NEAR BEASLEY, B.C.  
NELSON MINING DIVISION  
DATED FEBRUARY 10, 1967

GREAT WEST MINING CORP  
**NELSON PROPERTY**  
Geochemical Anomalies  
Geological Boundaries  
G.W. GROUP OUTLINED IN RED  
Scale: 1 inch = 500 feet  
7 Feb 1967 M.R.D.

927

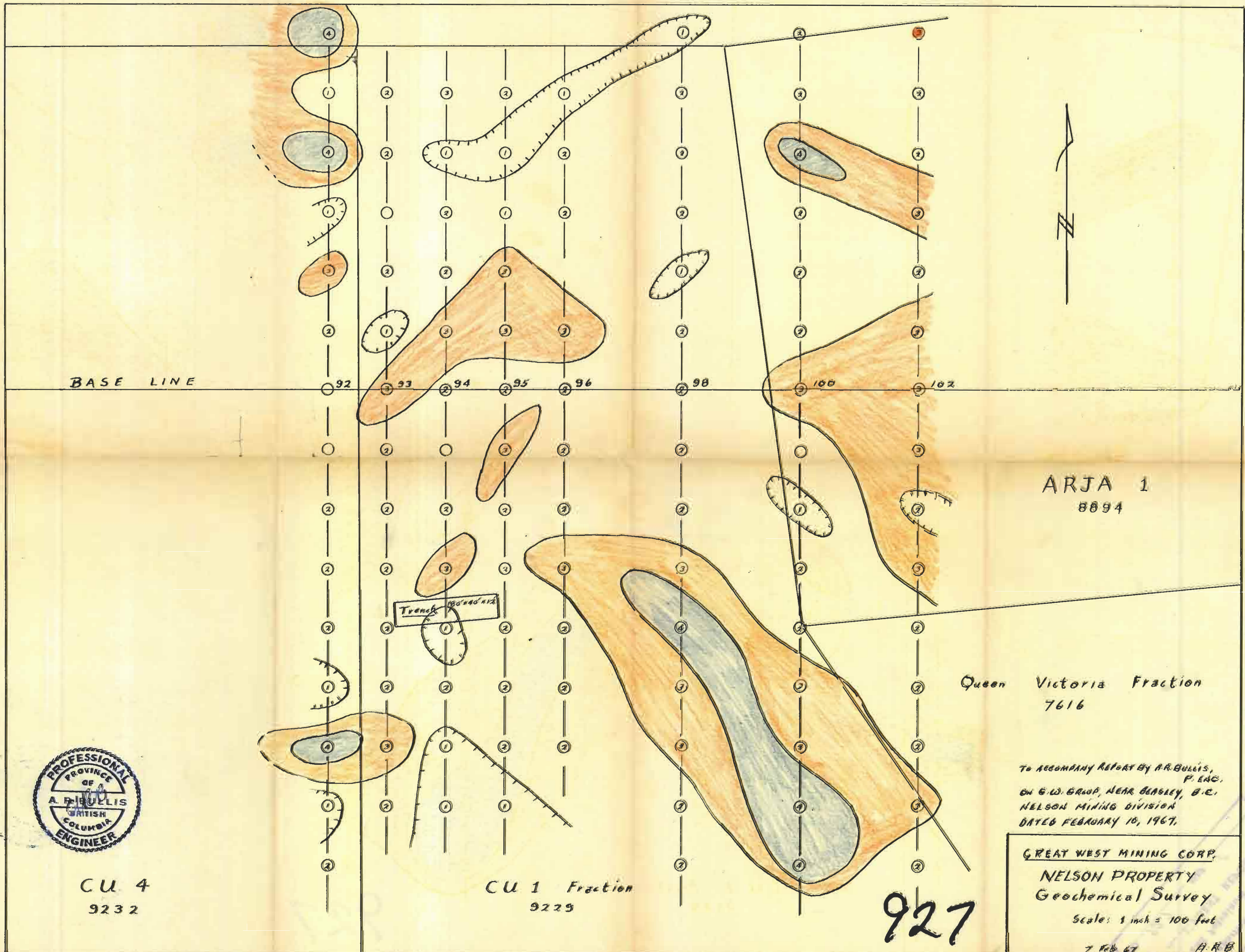




To be returned to the field  
 GEOL. SURV. BRANCH  
 DEPT. OF MINES  
 VICTORIA, B.C.

TO ACCOMPANY REPORT BY H.R. BULLIS, P. ENG.  
 ON G.W. GROUP NEAR BEASLEY, B.C.  
 NELSON MINING DIVISION  
 DATED FEBRUARY 10, 1967.

GREAT WEST MINING CORP  
 NELSON PROPERTY  
 Geochemical Survey  
 Scale: 1 inch = 100 feet  
 7 Feb '67 A.R.B.



BASE LINE

ARJA 1  
8894

Queen Victoria Fraction  
7616

To accompany Report by A.R. Bullis,  
P. ENG.  
on G.W. Group, near Beasley, B.C.  
NELSON MINING DIVISION  
DATED FEBRUARY 10, 1967.

GREAT WEST MINING CORP.  
NELSON PROPERTY  
Geochemical Survey

Scale: 1 inch = 100 feet

7 Feb. 67 A.R.B.



CU 4  
9232

CU 1 Fraction  
9229

927