

#00017

Report on the Geochemical

Results

RAF CLAIM GROUP

Lat. $64^{\circ} 30'$ N. Long. $132^{\circ} 15'$ W.

NT6 106-C-8

to accompany Geologic Report

on

RAF GROUP

ENVOY RESOURCES LTD.

dated August 26, 1974

By:

C.K. Ikona, P. Eng

August 26, 1974

Harman Management Ltd.

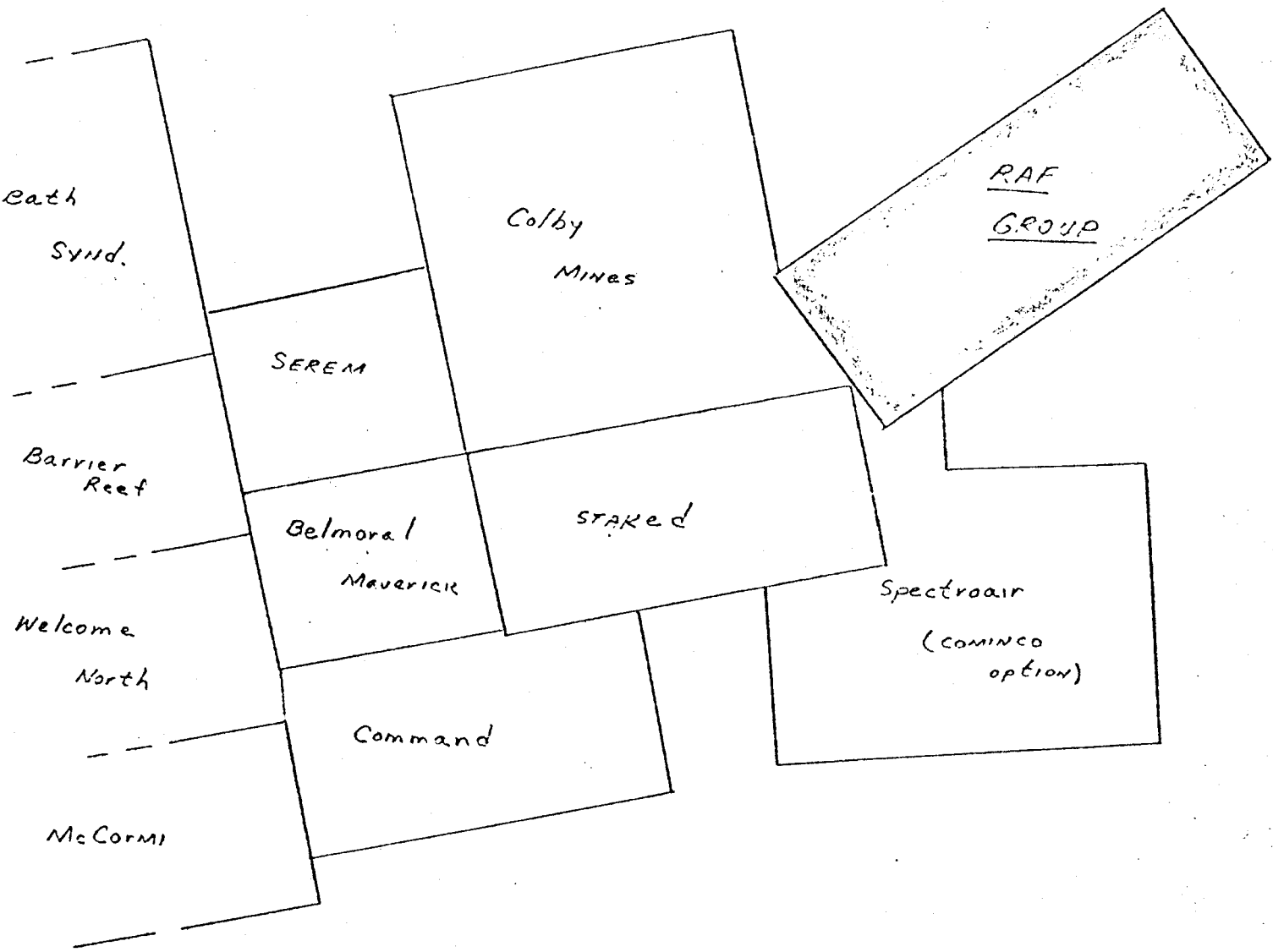
N.M.E.A.P.

Received

Jan 21, 1975.

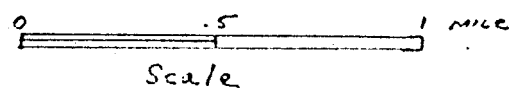
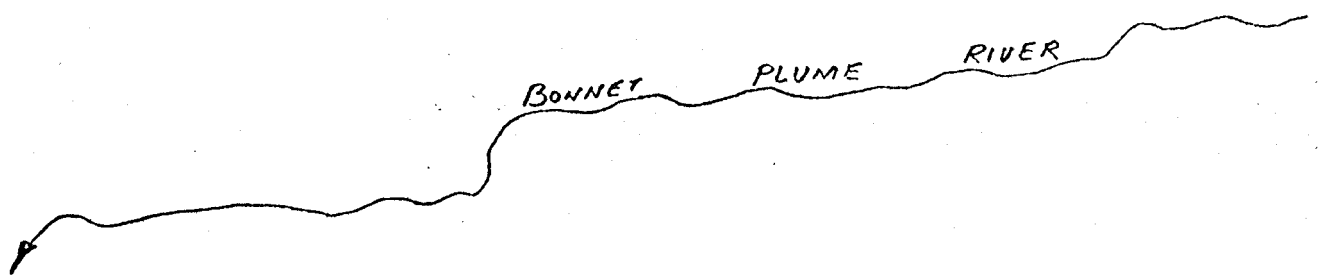
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SKETCH

Approx. claim Relations
Bonnet Plume RIVER Area



Introduction

A prospecting, geologic mapping and geochemical soil sampling program was conducted on the RAF claim group during the summer of 1974.

A report on the geology was presented on August 26, 1974. At that time results from the geochemical survey were not available. This report is intended to accompany the report of August 26 to discuss the results of the geochemical survey.

List of Claims

Claim Names : RAF 1 - 40
Grant No's: Y 69912 to Y69951
Expirey Date: August 21, 1974
NTS Sheet: 106 - C - 8

Location, Access & Topography

The RAF claim group is situated on Duo Creek in the Bonnett Plume River area of the Mayo Mining District, Yukon Territories.

Access to the property can be made by fixed wing aircraft to Goz Lake from Mayo a distance of approximately 130 miles. From there a helicopter can be used to shuttle men and equipment the 8 miles to the property.

Elevations vary within the claims from 3,700 to 5,500 feet above sealevel. Sparse coniferous trees are located at the lower elevations with some brush and moss higher on the property. Topography varies from cliffs on the North east to a marshy valley along Duo Creek.

Geochemistry

Method of Sampling

A total of 40 geochemical soil samples and 9 geochemical silt

samples were collected from the RAF group. All samples were stored in kraft bags, air dried in camp and forwarded to Chemex Laboratories in North Vancouver or Whitehorse Assay office in Whitehorse for analysis by atomic absorption.

The soil samples were collected on two lines run approximately parallel to topography.

A pick was employed to remove soil samples at a depth of 8 to 12 inches.

At the time of sampling most water courses were dry.

Results

Results of the geochemical survey are plotted on the map accompanying this report.

The majority of values reported are in the background range for this area.

Some slightly higher values occur on the northern soil line in the central part of the claim group. These values occur in an area underlain by a poorly bedded, porous, crystalline dolomite weathering to a light grey in colour. Sub-economic sphalerite and galena occurring in vugs and along fractures has been located in this unit in the area of these results and elsewhere in the unit. These higher geochemical results most probably reflect this mineralization and are therefore of academic interest only.

Conclusions and Recommendations

Results from the survey indicate background values for the area and confirm the observations contained in the Geologic report of the 26th Aug. 1974. No further expenditure on the RAF group is warranted at this time.

WHITEHORSE ASSAY OFFICE
 BOX ~~4518~~ 4518
 WHITEHORSE, YUKON

Samples from: HARMAN MANAGEMENT

Lot. No.: A-676-41

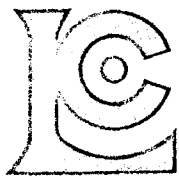
ALL RESULTS - P.P.M.

	SAMPLE #	Pb	Cd	Pg	SAMPLE #	Pb	Cd	Pg
	RAF 1-A	24	264	.6	S1J	24	144	1.2
C-O	2-A	24	208	6.0	S2J	20	384	1.2
C-O	3-A	24	200	1.2				
	4-A	32	336	.6				
	5-A	24	80	1.2				
0	6-A	24	160	.4				
	7-A	20	360	1.2				
	8-A	22	272	1.4				
	9-A	28	368	.4				
	10-A	24	232	.8				
	RAF 11-A	40	416	1.2				
	12-A	28	328	.6				
	13-A	20	360	.6				
	14-A	20	208	1.4				
	15-A	20	280	1.0				
	16-A	28	488	.6				
	17-A	16	24	.8				
	18-A	20	64	.4				
0	RAF 19-A	16	56	.4				
	RAF 1-J	20	144	.4				
	2-J	28	552	.8				
C-O	3-J	16	248	.6				
0	4-J	12	448	.6				
	5-J	28	104	.4				
	6-J	16	96	.2				
	7-J	18	216	.2				
	8-J	8	280	1.0				
	9-J	12	168	1.6				
	10-J	20	216	.4				
	11-J	28	168	.4				
	RAF 13-J	12	224	.4				
	14-J	12	56	.4				
	15-J	16	72	.4				
	16-J	12	96	.4				
	17-J	28	168	.4				
	19-J	16	96	.8				
	20-J	20	120	.6				
	21-J	20	232	.4				
	RAF 22-J	32	272	.6				

COARSE
 ORGANIC

Date: August 3/74

Assayer: K. Heyland



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: 985-0648
 AREA CODE: 604

- ANALYTICAL CHEMISTS
- GEOCHEMISTS
- REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Harman Explorations
 821 - 602 W. Hastings
 Vancouver, B.C.

CERTIFICATE NO. 27983
 INVOICE NO. 12149
 RECEIVED Aug. 12/74
 ANALYSED Aug. 15/74

ATTN:

SAMPLE NO. :	PPM	PPM
	Lead	Zinc
MX G 7	44	102
8	42	83
9	40	112
10	33	67
11	38	92
12	32	72
13	42	80
MX G 14	44	123
RAF H 1	50	108
2	46	400
3	38	275
4	40	45
RAF H 5	46	98
TOM A 0	52	275
1	60	375
2	54	640
3	77	700
4	56	375
5	62	640
6	100	1588
7	72	950
8	52	450
9	42	240
10	46	194
11	62	700
12	52	233
13	40	400
14	42	275
15	70	1080
16	46	900
17	56	2440
18	48	466
19	50	450
TOM A 20	46	1044
TOM 1 B	34	680
2	56	660
3	56	733
4	68	3544
5	32	600
TOM 6 B	54	420
Std.	62	50



MEMBER
 CANADIAN TESTING
 ASSOCIATION

CERTIFIED BY:

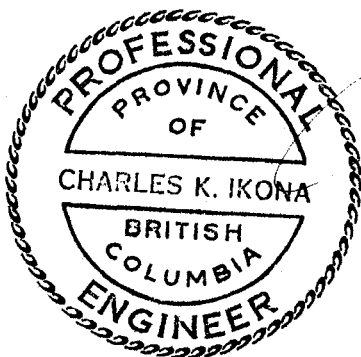
A. P. Harper

ENGINEERS CERTIFICATE

I, CHARLES K. IKONA of 2614 St. John's St., Port Moody, in the Province of British Columbia do hereby certify that:

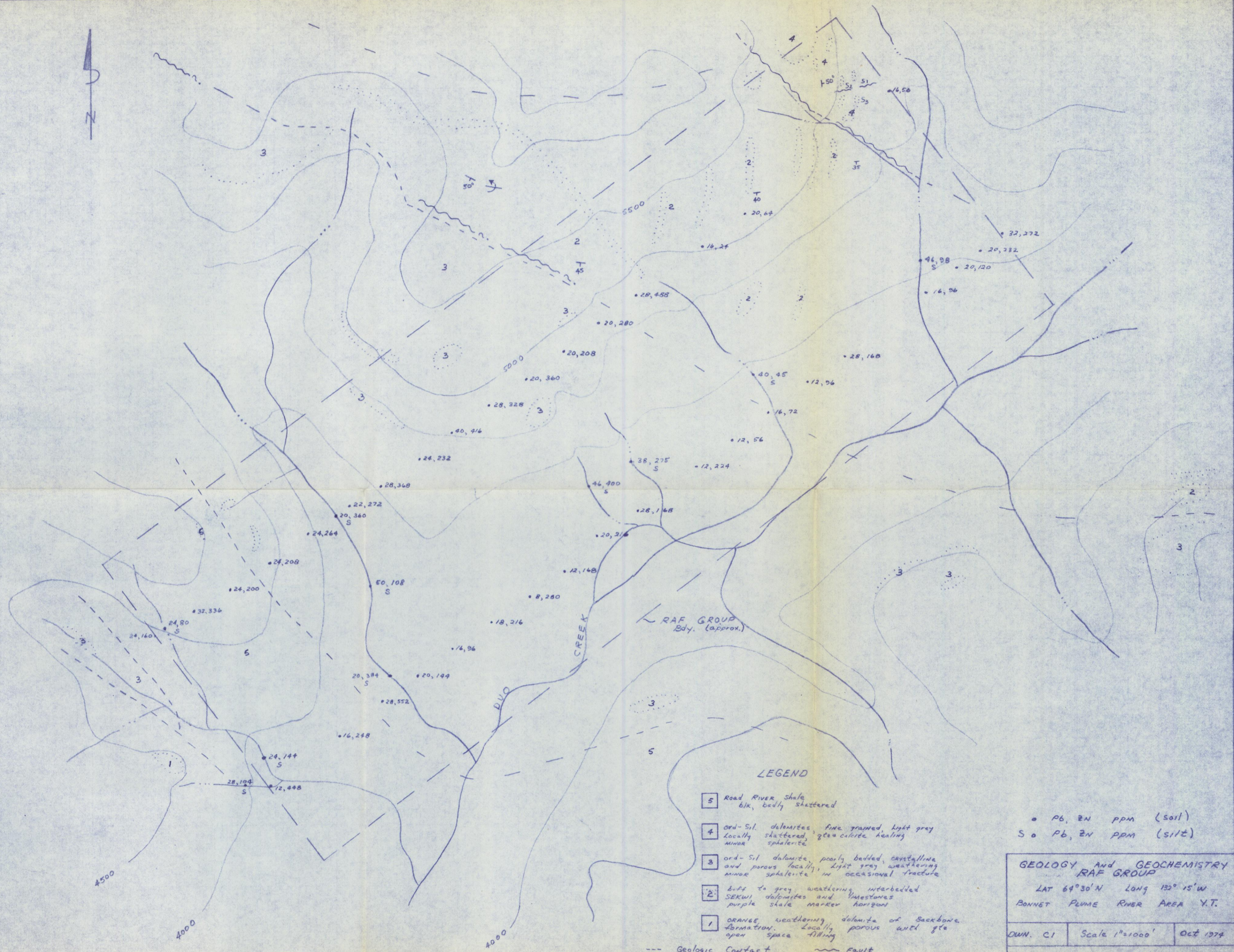
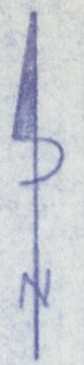
1. I am a consulting mining engineer with offices at 609-850 W. Hastings St., Vancouver, B.C.
2. I am a graduate at the University of British Columbia with a degree in Mining Engineering.
3. I am a member in good standing at the Association of Professional Engineers of the Province of British Columbia.
4. The work described in the accompanying report on the Raf Claim Group was performed under my personal supervision.

Dated this 30th day of August 1974 at Vancouver, B.C.



A handwritten signature in cursive script, appearing to read "Charles K. Ikona", written over the seal.

Charles K. Ikona, P. Eng.



- LEGEND**
- 5 Road River Shale
blk, bedly shattered
 - 4 ord-Sil dolomites fine grained, light grey
locally shattered, glauconitic, healing
minor sphalerite
 - 3 ord-Sil dolomite, poorly bedded, crystalline
and porous locally, light grey, weathering
minor sphalerite, in occasional fracture
 - 2 buff to gray weathering, interbedded
SEKW dolomites and limestones
purple shale marker horizon
 - 1 orange weathering dolomite of Backbone
formation, locally porous with glau
open space filling
 - Geologic Contact
 - Fault
 - Outcrop Bdy.
 - ⊥ Strike & Dip (Bedding)

• Pb, Zn ppm (soil)
S • Pb, Zn ppm (site)

GEOLOGY and GEOCHEMISTRY
RAF GROUP
LAT 64°30'N LONG 132°15'W
BONNET PLUME RIVER AREA Y.T.

DWN. CI	Scale 1"=1000'	Oct 1974
HARMAN Mgmt. Ltd.		