

79-#116-#7232

ALLEN RESOURCE CONSULTANTS LTD.
GUY ALLEN, P.ENG. (B.C.), P.GEOL. (ALTA.)
CONSULTING GEOLOGIST

BOX 7248, POSTAL STATION "E" CALGARY, ALBERTA T3C 3M2

TELEPHONE (403) 266-6150

PROSPECTING REPORT ON
MINERAL CLAIMS ARCL Nos. 1 & 2
REVELSTOKE MINING DIVISION
82L/16^E; Long. 118°07', Lat. 50°51'
British Columbia

Owner: Guy Allen
Operator: Wollex Exploration Ltd.
Consultant: Guy Allen, P. Eng.
Author: Guy Allen
Submitted: March 31, 1979

7232

TABLE OF CONTENTS

	Page
Introduction	
General Description	
Geology	
Field Examination - April 16, 1978	
Field Examination - Oct. 7 - 13, 1978	
Conclusions and Recommendations	
Appendix A: Assay Certificetes	
Appendix B: Statement of Expenditures and Receipts	

LIST OF ILLUSTRATIONS

Plate No. 1: Prospecting Map	1
------------------------------	---

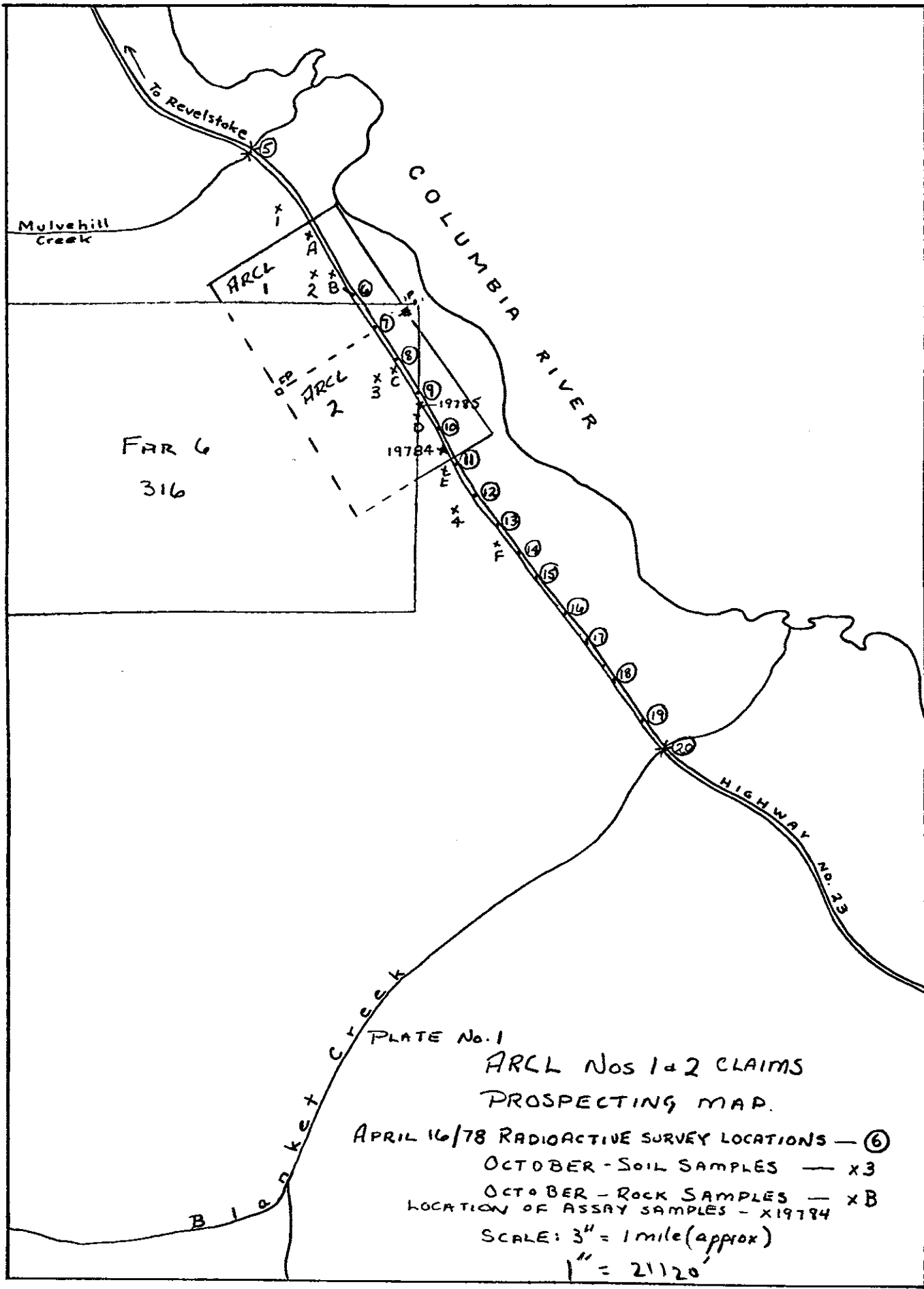


PLATE No. 1

ARCL Nos 1 & 2 CLAIMS

PROSPECTING MAP.

APRIL 16/78 RADIOACTIVE SURVEY LOCATIONS — ⑥

OCTOBER - SOIL SAMPLES — x3

OCTOBER - ROCK SAMPLES — xB

LOCATION OF ASSAY SAMPLES - x19784

SCALE: 3" = 1 mile (approx)

1" = 21120'

Introduction

Early in April, 1978, the author located an area of strong radioactivity along Highway No. 23, south of Revelstoke, between Mulvehill Creek and Blanket Creek. The 'hot' area covered an extension of about three-quarters of a mile along the Highway with maximum counts per minute reaching 10-12 times background. Examination of lithologies along the road cut revealed maximum radioactivity coming from a narrow zone of highly weathered muscovite schist which was flanked by an extensive zone of moderately radioactive quartzite. As a consequence, two two-post claims, ARCL Nos. 1 & 2 were staked, and samples were taken for assay.

An interest in this property was assumed by Wollex Exploration Ltd., of Calgary, who sent prospector Walter Buller of Grand Forks, B.C. into the area to carry out a program of prospecting and sampling in mid-October. Mr. Buller was hampered by bad weather, and hence was unable to successfully complete the program.

General Description

The claims area is located along Highway No. 23, which runs along the west bank of the Columbia River, approximately thirteen miles south of Revelstoke. The prospective area is roughly three-quarters of a mile in width from northeast to southwest. The rock exposures along this portion of Highway No. 23 extend from Mulvehill Creek to Blanket Creek, and the anomalous radioactive occurrences are located about three-quarters of a mile south of the Mulvehill Creek bridge. This is in NTS 82L/16.

Access to the area is by Highway No. 23, south of Revelstoke. No secondary roads could be located within the interest area.

The area slopes moderately to steeply up from the Highway to Mount Begbie. Elevations range from 1,800' ASL along the Highway to about 2,300' ASL along the southwest boundary of the claims.

ARCL Nos. 1 & 2 were staked April 16, 1978 by the author. They overlap, in part, mineral claim Far 6 (316).

Geology

The interest area is underlain by a metamorphosed rock assemblage collectively known as the Monashee Group. Age of these rocks is uncertain within the limits of Precambrian to Permian. Identified lithologies include gneisses, schists, marble, slates, and phyllites, in broad expanses, enclosing metasedimentary zones of limestones, quartzites and hornblende gneisses.

Along Highway No. 23, roadcut exposures of quartzite and muscovite schist were discovered to be sources of the detected radioactivity. The muscovite schist zone, which is relatively narrow, was found to be the most radioactive.

Field Examination - April 16, 1978

To define the anomalously high radioactive area, a road traverse was made by automobile, taking total count, and uranium-plus-thorium readings on a differential gamma ray spectrometer. All readings were taken along the road. The following results were obtained.

<u>Location</u>	<u>Total Count (cpm)</u>	<u>Uranium + Thorium (cpm)</u>
Going north		
1. Intersection Cranberry Creek & Highway No. 23	250	15
2. 1.9 mi. north of (1)	210	15
3. 3.9 mi. north of (1)	240	15
4. 5.7 mi. north of (1)	240	18
5. Intersection Mulvehill Creek & Highway No. 23	280	20
Going south from 0.0 miles at the intersection of Mulvehill Cr. & No. 23		
6. 0.45 mi. south	850	50
7. 0.65 mi. south	650	27
8. 0.75 mi. south	1400	55
9. 0.85 mi. south	700	35
10. *0.95 mi. south	350	20
11. 1.05 mi. south	350	15
12. **1.15 mi. south	330	20
13. 1.25 mi. south	600	32
14. 1.35 mi. south	370	22
15. 1.45 mi. south	300	22
16. 1.55 mi. south	250	18
17. 1.65 mi. south	260	17
18. 1.75 mi. south	220	20
19. 1.85 mi. south	240	16
20. 1.95 mi. south	240	19
(intersection Blanket Cr. & Highway No. 23)		

* A reading taken on the outcrop at 0.95 miles south gave 2100 cpm on total count, 45 cpm on uranium-plus-thorium, and 20 cpm on thorium. The lithology at this location is a micaceous quartzite, quite hard and massive.

** A reading taken on the outcrop at 1.15 miles south gave greater than 10,000 cpm on total count, 2200 cpm on uranium-plus-thorium, and 650 cpm on thorium. The lithology at this location is a well-weathered, crumbly micaceous schist. This zone is 4' - 10' wide.

The off-road area west of the road was prospected along the claim line. No readings significantly higher than those taken on the quartzite zone along the Highway were found.

Field Examination - Oct. 7-13, 1978

Walter Buller, Box 1733, Grand Forks, B.C. was contracted by Wollex Exploration Ltd. to prospect with scintillometer, and sample, the claims area, and additional areas to the west. The following material is quoted directly from Mr. Buller's journal.

"Oct. 7/78

Arrived in Revelstoke from Grand Forks via Highway No. 97 & #1. Outlying motels filled for weekend, stayed at Travelodge. Weather sunny up to Sicamous. Started to drizzle 25 mi. E of there to Revelstoke."

"Oct. 8

Dense fog and drizzle in A.M., heavy rain in P.M. Drove out to locate prospect area SE of Mulvehill Creek. Avg. background of scint. in truck from Revelstoke to Mulvehill Cr. 50-60 cps. BG increases to 120-150 cps as soon as one crosses the bridge over Mulvehill Cr. and continues for approximately 1 mile SE of the bridge where it drops back to 50-60 cps.

"Oct. 9

Heavy rain all day. Moved from Travelodge to Lamplighter Motel. Didn't go out to prospect area."

"Oct. 10

Dense fog in A.M. Drizzle and rain showers the rest of the day. Took soil sample #1 150' SW of road, 40' above road level, slope 40°NE, depth 10", grayish gravel from B zone, 500' SE of bridge. Soil sample #2 taken 400' SE of #1, 100' SW of road, 30' above road level, slope 35°E, depth 12", light brown gravel from B zone. Rock sample A taken from rock cut about 600 feet SE of bridge on the SW side of the road. Outcrop of muscovite-quartzite gave 300 cps. Rock sample B are boulders of muscovite-schist in ditch on both sides of road 100 feet SE of A, fairly reddish and appears to have been blasted from the rock cut. Not found in place and may be in a dirt slide close by. Boulders gave 300 cps."

"Oct. 11

Heavier rain than yesterday. Took soil sample #3 about 1,800 ft. SE of #2, 200 ft. SW of the road and 60 ft. above the road level. Slope 50° NE, depth 10" in B zone, greyish gravel. Soil sample #4 about 1,200 ft SE of #3, 50 ft. SW of road, 20 ft. above road level, orange-brown rusty band in roadside overburden cut, slope 20°E, depth 10" in B zone, orange-brown limy material. Twisted left leg when sliding down hill looking for outcrop above soil sample #3 Heavy fog down to road level. Called it a day."

"Oct. 12

Best day yet weatherwise, saw sun for 5 minutes around noon. Fog 300 ft. above road level, the highest it's been since we first came here. Still no outcrop showing on hillside, except in road cuts and exposed in Mulvehill Creek. Rock samples C and D are very much the same from muscovite-quartzite. Sample C is about 1,800 ft. SE from sample B, from a roadcut on the northeast side of the road, near vertical, rusty fractures. Gave up to 1,500 cps. Sample D is about 500 ft. south of C in a rock cut on SW side of the road with near-vertical rusty fractures with up to 1,000cps. The unfractured muscovite quartzite goes between 300 to 750 cps. Sample E is about 700 ft. SE of D from a road cut on the SW side of the road, which goes around 350 cps. Sample F is 400 ft. SE of E from another rock cut on the SW side of the road. Both samples E and F are from muscovite-quartzite outcrops. Radioactivity from area where F was taken was 250 cps and drops off to 50 - 60 cps to the SE. The shallow dip of the strata also seems reversed. Possibly a synclinal axis"

"Oct. 13

Heavy rain again. Tried to phone Calgary from 8 to 11 AM, but operator can't get through as lines down somewhere. No use trying to prospect in this weather, so headed back to Grand Forks via Hwy. #23. Got through to Calgary by phone from Castlegar. Weather cleared 40-50 miles south of Revelstoke."

"I believe the area warrants further prospecting in more favorable weather with the aid of air photos, better footgear than I had, and possibly an auger for soil sampling."

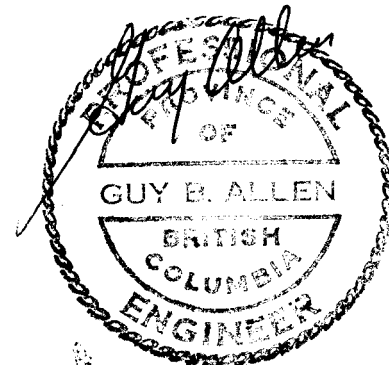
" Walter Buller"
Oct. 15, 1978"

Conclusions and Recommendations

Two of the rock samples were assayed (see Appendix). A sample from the highly radioactive muscovite schist was analyzed for uranium, thorium and rare earths, whereas a sample from the moderately radioactive quartzite was assayed for uranium and thorium only. The source of the radioactivity is essentially thorium, as thorium concentrations are at least ten times that of uranium.

The area to the west requires radiometric prospecting. The October program was hampered by poor weather, and hence was ineffective in evaluating the off-road areas.

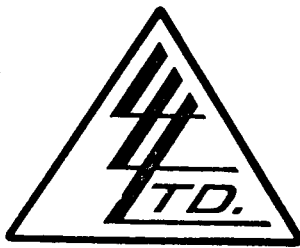
Guy Allen, P. Eng.
March 22, 1979



Expiry Date: April 22, 1979.

APPENDIX - Assay Certificate

To: WOLLEX EXPLORATIONS LTD.,
 810, 715 - 5th Avenue S.W.,
 Calgary, Alberta
 ATTN: Ken Lintott
 cc: G. Allen



File No. 15729
 Date August 28, 1978
 Samples Chip

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

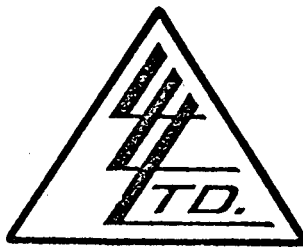
SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	Chemical PPM U3O8	Chemical % ThO2	% Cu	% Pb	% Zn
<u>"Chip Samples"</u>							
19776	-	.08	-	-	.05	.04	.05
19777	Trace	.32	-	-	.02	.02	.02
19778	-	-	8.9	.008	-	-	-
19779	-	-	9.4	.005	-	-	-
19780	-	-	8.2	.007	-	-	-
19781	-	-	5.7	Trace	-	-	-
19782	-	-	9.1	Trace	-	-	-
19783	Trace	.32	-	-	.01	.04	.01
19784	Mount Begbie Area Highly radioactive muscovite schist		42.6	.060	-	-	-
19785	Moderately radioactive quartzite		13.6	.035	-	-	-
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>							

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Edm. J. J. J.

Licensed Assayer of British Columbia

APPENDIX - Assay Certificate



To: WOLLEX EXPLORATIONS LTD.,
810, 715 - 5th Avenue SW.,
Calgary, Alberta

File No. 16334
 Date December 15, 1978
 Samples Chip
 Old File # 15729

ATTN: Ken Lintott

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

SAMPLE No.	PPM La	PPM Ce	PPM Pr	PPM Nd	PPM Sm	PPM Eu	PPM Gd
Mount Begbie Area - Highly radioactive muscovite schist							
<u>"Rare Earth"</u>							
19784	3600	8150	800	3800	500	12	500
	PPM Tb	PPM Dy	PPM Ho	PPM Er	PPM Tm	PPM Yb	PPM Lu
19784	10	150	10	40	40	13	2
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>							

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Ed M. Isaac

Licensed Assayer of British Columbia

APPENDIX

STATEMENT OF EXPENDITURES

1. Prospecting Excursion - W. Buller	
(a) Wages - 5 days @ \$55 per day	\$275.00
(b) Motels	\$117.60
(c) Meals: 2 men @ \$10 each per day, 5 days	\$100.00
(d) Express	\$6.80
	<hr/>
Sub-Total	\$499.40
2. Assays	
(a) Rare Earths	\$200.00
(b) Uranium & Thorium	\$56.00
	<hr/>
Total	\$755.40

Guy Allen

Guy Allen, P. Eng.
Merch 22, 1979



Expiry Date: April 22, 1979.

Mount Begbie Area - Revelstoke BC.

wages - 5 days at \$55 per day 275.00

Motels - Travelodge 2 days 67.20
Lampighter 3 days 50.40

Meals for 2 at \$10 each - 5 days 100.00
Express 6.80

Total 499.40

Walter A. Buller

3.226



LORING LABORATORIES LTD.

629 BEAVERDAM RD. N.E. CALGARY, ALTA. T2K 4W2

TO WOLLEX EXPLORATIONS LTD.,

INVOICE N^o 16334

810, 715 - 5th Avenue S.W.,

DATE December 15, 1978

Calgary, Alberta

ATTN: Ken Lintott

Old File # 15729

Chip SAMPLES

1	Rare Earth Determination	@	200.00
		@	
		@	
		@	
		@	
		@	
			TOTAL \$ 200.00

DEC 18 1978
 RECEIVED _____
 APPROVED *[Signature]*
 PROJECT 3.276

BILL TO _____

THIS IS YOUR INVOICE
PLEASE PAY THE AMOUNT SHOWN

TERMS — 30 DAYS



LORING LABORATORIES LTD.

629 BEAVERDAM RD. N.E. CALGARY, ALTA. T2K 4W2

BILLED
NO. _____

WOLLEX EXPLORATIONS LTD.,
810, 715 - 5th Avenue S.W.,
Calgary, Alberta

INVOICE NO 15729

DATE August 28, 1978

ATTN: Ken Lintott

Chip SAMPLES

2	Gold & Silver	@	8.00	16.00
1	Silver Only	@	7.00	7.00
7	U308 Chemical Assays	@	11.00	77.00
7	ThO2 Chemical Assays	@	17.00	119.00
3	Copper	@	4.50	13.50
3	Lead	@	6.00	18.00
3	Zinc	@	6.00	18.00
PROJECT 3.226			TOTAL	\$ 268.50

RECEIVED SEP 14 1978
APPROVED *[Signature]*
BILL TO THIS IS YOUR INVOICE
PLEASE PAY THE AMOUNT SHOWN

TERMS — 30 DAYS

* Two uraniums and two thoriums total \$56.00