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Mine Exploration

2766 West 30th Ave.,
Vancouver 8, B.C.

REPORT ON

WESTAIRS MINES LTD.

J & L PROJECT

REVELSTOKE, B. C.

REVELSTOKE, M. D.

By

Joseph Sullivan, P. Eng.

April 28, 1967

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REPORT ON
WESTAIRS MINES LTD.
J & L PROJECT
REVELSTOKE, B.C.
REVELSTOKE M.D.

INTRODUCTION:

From April 15th to April 21st, 1967 the writer made a thorough examination of this exploration project. The object was to gather together the detail on the 1966 work programme. This report then, is to bring the reader up-to-date on the project since the writer's last report of April 6, 1966.

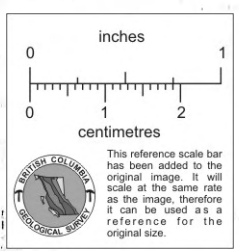
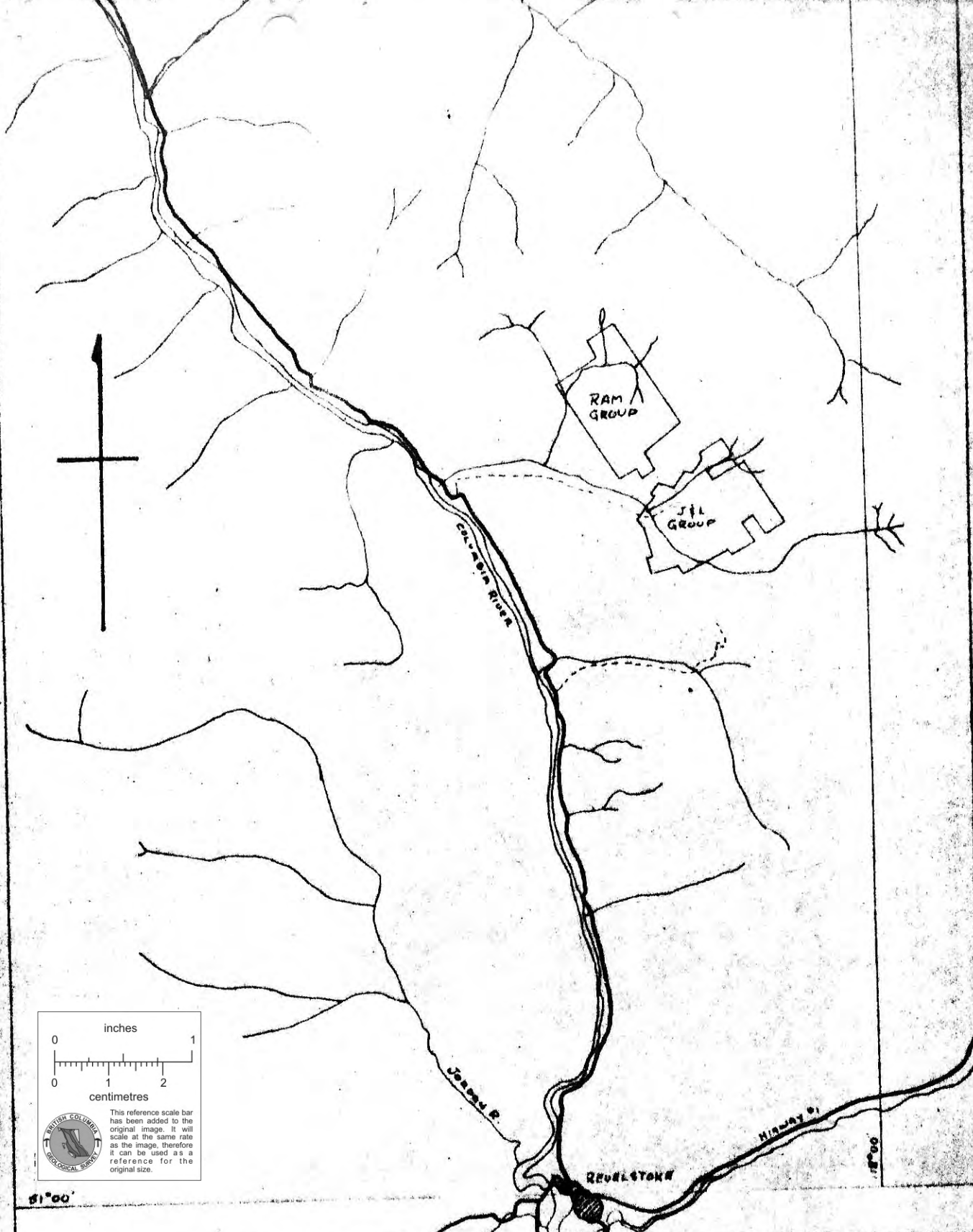
Such items as location, access and geology have not changed and are reported here as a repetition of the 1966 report.

LOCATION AND ACCESS: (Lat. $51^{\circ}17'$ Long. $118^{\circ}07'$)

The claims lie in the Revelstoke Mining Division of British Columbia, 20 miles north of the town of Revelstoke in the Big Bend District of the Columbia River.

The lowest adit lies a few hundred feet above the confluence of the east and south forks of Carnes Creek at an elevation of 2700 feet A.S.L. The camp and adit sites are on the south bank of the east fork of the creek on the northwest flank of Goat Mountain.

Seven miles of mine road start on the old "Bend" highway at Carnes Creek and follows up the south side of the creek to the adit at the 2700 foot elevation.



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.



WESTAIRS MINES LTD.

REVELSTOKE M.D. GROUP LOCATIONS

SCALE 1" = 4 MI.

APRIL 3, 1966

734

STATUS OF THE PROPERTY:

There are **32** patented claims and nine Crown Granted

Claims grouped as follows:

Locations:

<u>Claim Name</u>	<u>Record No.</u>	<u>Expiry Date</u>
Alto	1804	July 19, 1967
King No. 1	1805	July 19, 1967
King No. 2	1806	July 19, 1967
Mill No. 1 - 4	1722 - 25	Nov. 1, 1967
Hill No. 1 - 2	1718 - 19	Nov. 1, 1967
Crest No. 1 - 2	1720 - 21	Nov. 1, 1967
Winston	1683	Oct. 15, 1967
Churchill	1684	Oct. 15, 1967
Fay No. 5 - 12	5708 - 15	Oct. 7, 1967
Gus No. 1 - 3	5608 - 10	Aug. 12, 1967
Gus No. 21	5597	Aug. 12, 1967
Gus No. 26 - 27	5602 - 03	Aug. 12, 1967
Gus No. 40	5607	Aug. 12, 1967

Crown Grants:

<u>Claim Name</u>	<u>Lot No.</u>	<u>Claim Name</u>	<u>Lot No.</u>
Goat Fr.	14821	Goat No. 5 Fr.	14825
Goat No. 2 Fr.	14822	Goat No. 6 Fr.	14826
Goat No. 3 Fr.	14823	View Fr.	14827
Goat No. 4 Fr.	14824	View No. 2 Fr.	14828
		Creek Fr.	14829

Both groups are optioned,

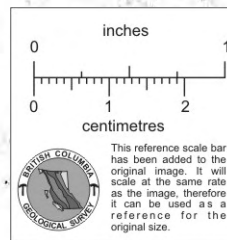
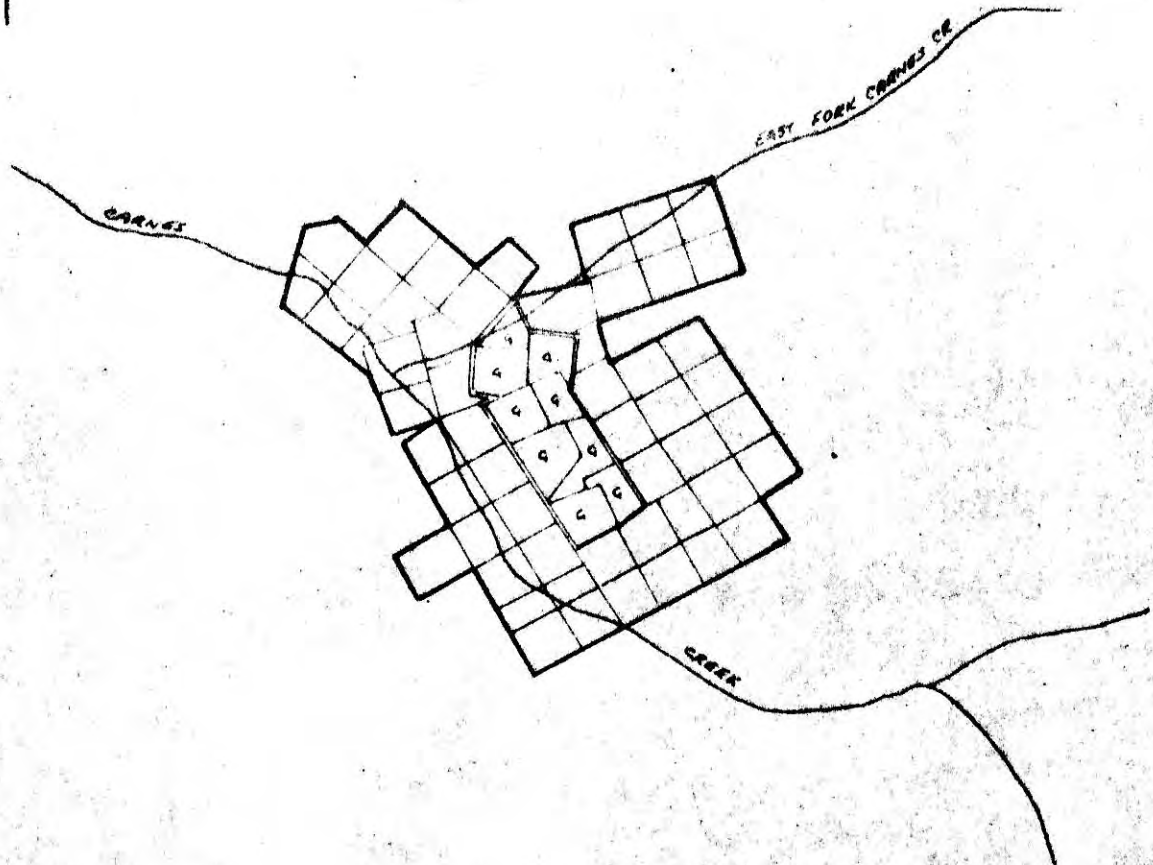
to:

Westairs Mines Ltd.,
Box 520,
Bathurst, New Brunswick.

from:

T. E. Arnold,
Oakhurst, New Jersey,
U. S. A.

A group sketch follows this page.



G - CROWN GRANTED M.C.

WESTAIRS MINES LTD.		
J&L GROUP	REVELSTOKE M.D.	GROUP LOCATION
SCALE 1"=6000'	APRIL 3, 1966	

HISTORY:

The original discovery on the J & L group was made in 1912 according to local reports. By 1922 the group was owned by Mr. E. E. McBean, but consisted of only four claims. In 1924 Porcupine Goldfields Development Company drove two 70 foot adits. By 1928 the group was under option to interests in Regina, Saskatchewan.

Early in the 1930's the present owner acquired the property and a company known as Raindor Gold Mines was formed. From that time till 1946 one adit, two shallow shafts and several surface trenches were excavated. No further work was done until Westairs Mines optioned the properties in 1965.

GENERAL GEOLOGY:

The Carnes Creek area contains metamorphosed sedimentary rocks, and some volcanics, complicated by tight folding. To the northeast a coarse granite porphyry stock, with associated dykes and sills, intrudes the sediments. Dr. H. C. Gunning, G.S.C. Summary Report, 1928, places the sedimentary-volcanic rocks in Mesozoic and Pre-cambrian ages. The granite is Mesozoic.

GEOLOGICAL STRUCTURE:

The sedimentary rocks are tightly folded into a complex of plunging asymmetrical folds. The J & L Group lies on the western limb of a large northwest trending syncline. The fold plunges, when seen in this area, are relatively flat and

to the northwest and northeast.

There are no major transverse breaks. The faulting, or in this case shearing, is strike-slip or dip-slip along the lineation of the sediments. It may turn at a moderate angle into a tightly crumpled, brecciated zone, but on leaving, will return to the same attitude as the beds.

MINERALOGY:

The predominant sulphides are those of silver, lead, and zinc, being part of a surrounding silver-lead-zinc "province". Associated metals are gold and copper. Pyrite and arsenopyrite are widespread and usually appear intimately associated with the other sulphides. Other gangue minerals are quartz, carbonate, and the oxides of zinc, copper and iron.

PRESENT MINE FACILITIES AND DEVELOPMENT:

In the back map folder of this report there are two plan maps of the underground workings, both plotted on a scale of "40 feet to the inch". The geological plan shows the width and continuity of the sulphide zone. The general mine development plan shows the two main levels, the 2700 and the 3200. The 2700 was driven by Westairs Mines Ltd. during 1966; the 3200 was driven by Raindor Gold Mines during the early 1930's. In addition there are 220 feet of shaft and raise development

that are in much need of rehabilitation.

A well equipped camp is located immediately northwest of the 2700 level portal. All the 1966 mining equipment, including a small diamond drill, is stored inside the portal ready for use, if the project is continued in 1967.

During 1966 Weststair Mines completed a total of 975 feet of cross-cutting and drifting. Also, five short diamond drill holes were drilled easterly from the level and one 460 foot hole drilled westerly, for a total of 615 feet.

In 1964 the writer traced the mineralization for 4,000 feet on the surface. In general, the strike was $N30^{\circ}W$ with a 50° dip to the northeast. This information is based on the examination of eleven surface cuts that had mineralization exposed. Several other cuts within the 4,000 feet, and on the general strike, were sloughed.

SAMPLING:

A summary of the sample results reported in the 1966 report appears herein as Appendix I. Since that time there is record of at least 207 samples taken from the new workings. The assay results and locations are on the sample plan in the back map folder.

In Appendix II, the writer has calculated an estimate of the tonnage per vertical foot developed on the 2700 level, and an accompanying gross dollar value of the metals

in place. The final figures are:

191.4 tons/vert. ft. with a gross value of ^{33.77} \$~~35.00~~/ton

The tonnage estimate is conservative. In all but one instance the combined sample width used was 2.9 feet or greater. The lengths selected are those the writer felt would have a minimum dilution problem during mining.

DISCUSSION AND CONCLUSIONS:

The Westairs company has done more exploration and development work on the J & L property than all previous efforts combined. Their geological information indicates a surface sulphide expression of 4000 feet in length. This zone appears to be controlled by strike-slip and dip-slip shearing as well as light crumples in the limestone. The northerly plunges of the crumple toward the creek may influence the ore-shoots to follow down the present hillside.

Their 1966 program has shown the mineralization to be continuous for 590 feet in from the portal of the 2700 level. A total of 385 feet within the 590 foot advancement has been estimated to have developed 191.4 tons of ore per vertical foot with a gross dollar value of ^{33.77} \$~~35.00~~ per ton, in place.

The project at the J. & L property is showing attractive metal values which compare favourably with previous expectations. Although there is a drop in metal grade as the

2700 level advances, the operators should not be discouraged, for the surface expression of the zone is known to be 4000 feet in length. If, however, the values continue to decrease with the adits advance, then there is the vertical distance to the upper exposures to consider. Level 3200, with good values, is 500 feet vertically above level 2700. On the surface, mineralization has been traced to the 4000 foot elevation, or 1300 feet above the lowest portal. It is not surprising to find an ore zone that tends to follow close to the present day surface. Thus we can visualize continuity of values for mineable distances either vertically or horizontally, or both.

RECOMMENDATIONS:

The future exploration of the J & L property should continue in three phases; namely, Surface surveying and mapping, underground drifting and raising, and underground diamond drilling. The surface survey will add control to the underground work and complete the engineering information between the surface exposures and the 2700 level.

Underground, an additional 500 feet of drifting is recommended southerly on the 2700 foot level, followed by a re-valuation of the value of the mineralization. A raise is then suggested so as to reach the 2850 elevation about 50 feet in from the surface. Then, 600 feet of drifting on the 2850 level, through to the surface and southerly for about 550 feet. The same procedure of raising and drifting should then

be continued to the 300 foot elevation. The entire program involves 375 feet of raising and 1700 feet of drifting. A diagrammatic section of this underground proposal follows this page.

Again underground, an additional 2000 feet of diamond drilling is recommended. This program would involve about 100 feet of drilling into the walls for each 100 feet of drift advance.

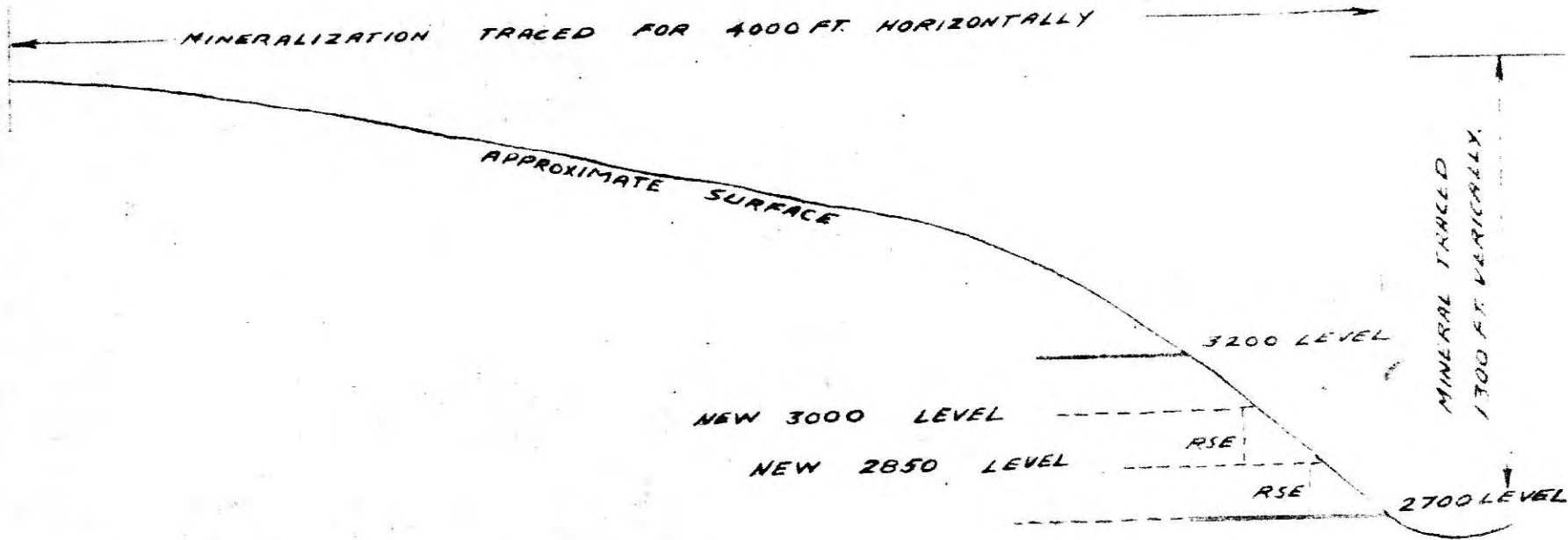
COST SUMMARY OF THE RECOMMENDED WORK:

Taking advantage of the best working season, 80 percent of the following expenditures will be made during the period from June 1st to November 30th.

Drifting, 1700 ft. @ \$65.00/ft.	\$110,500.00
Raising, 375 ft. @ 55.00/ft.	20,625.00
D.D.H.'s, 2000 ft. @ 6.50/ft.	13,000.00
Assaying	4,000.00
Surface survey and mapping	10,000.00
Road clearing and maintenance	5,000.00
Additional claim assessment work	2,000.00
Engineering	6,000.00
Transportation and travel	5,000.00
Office and accounting	<u>6,000.00</u>
	\$182,125.00
Contingencies @ 10 percent	<u>18,212.00</u>
Total recommended appropriation	<u><u>\$200,337.00</u></u>
Say	<u><u>\$200,000.00</u></u>

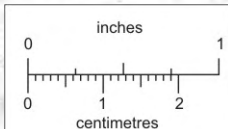
Respectfully submitted,

John A. Sullivan
 Jos. Sullivan, P. Eng.



DIAGRAMATIC LONG SECTION
OF PROPOSED DEVELOPMENT,
AND EXPLORATION (1967)

RAISING APPROXIMATELY 375'
DRIFTING " " 1700'



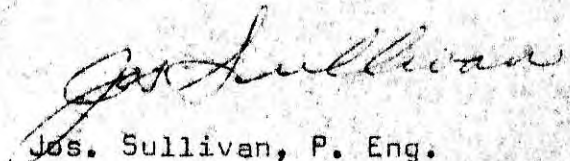
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WESTAIRS MINES LIMITED.	
J&L. PROPERTY	REVELSTOKE, B.C. LONG. SECTION.
APRIL 20, 1967.	1" = 500'

C E R T I F I C A T E

I, Joseph Sullivan, of Vancouver, B.C., do hereby certify that:

1. I am a Consulting Geological Engineer with residence at 2766 West 30th Avenue, Vancouver, B. C.
2. I am a registered Professional Engineer in the Province of British Columbia.
3. I am a graduate of the University of British Columbia with a Bachelor of Science in Geological Engineering, and have practised my profession for fourteen years.
4. I am not a vendor, member of the Board of Directors, or a regular employee of the Company to which this report is directed.
5. I have no interest, direct or indirect, in the properties or securities of the above company, nor do I expect to have any such interest.
6. This report on the J & L Group of claims of Weststairs Mines Ltd. is based on several days examination of the properties during 1964, 1966 and 1967.


Jos. Sullivan, P. Eng.

A P P E N D I X I

A summary of the known sample values taken from the J & L property prior to the Westairs 1966 programme:

Raindor, for the surface, 35 samples

<u>Width (ft.)</u>	<u>Au O/T</u>	<u>Ag O/T</u>
2.4	0.31	2.3

Raindor, for shaft No. 1, 12 samples

<u>Width (ft.)</u>	<u>Au O/T</u>	<u>Ag O/T</u>
1.6	0.36	7.1

Raindor, for shaft No. 2, 12 samples

<u>Width (ft.)</u>	<u>Au O/T</u>	<u>Ag O/T</u>
5.3	0.27	4.0

Westairs, for the 2700 level, 408 Dr. 10 samples

<u>Width (ft.)</u>	<u>Au O/T</u>	<u>Ag O/T</u>	<u>Pb %</u>	<u>Zn %</u>
3.8	0.26	2.17	2.9	5.4

Westairs, for the 3200 level, 1964, 16 samples

<u>Width (ft.)</u>	<u>Au O/T</u>	<u>Ag O/T</u>	<u>Pb %</u>	<u>Zn %</u>
2.4	0.19	6.11	8.36	9.98

B. T. Grady (1922), 12 samples

<u>Width (ft.)</u>	<u>Au O/T</u>	<u>Ag O/T</u>	<u>Pb %</u>	<u>Zn %</u>
3.1	0.47	3.8	2.9	5.4

APPENDIX II

1966 ASSAY RESULTS, WESTAIR'S J & L PROPERTY

AREA 1

Width (ft.)	Au	Ag	Pb	Zn	Wx Au	Wx Ag	Wx Pb	Wx Zn	Combined Width (ft.)
6.0	.34	1.16	2.46	2.75	2.04	6.96	14.76	16.50	6.5
0.5	.04	5.10	3.30	6.40	.02	2.55	1.65	3.20	
4.0	.25	.75	1.39	1.90	1.00	3.00	5.56	7.60	4.0
3.0	.06	.74	.48	2.15	.18	2.22	1.44	6.45	6.0
3.0	.08	2.02	2.52	4.75	.24	6.06	7.56	14.25	
4.0	.26	4.14	6.10	7.94	1.04	16.56	24.40	31.76	4.0
5.5	.10	3.10	3.06	5.26	.55	17.05	16.83	28.93	5.5
5.5	.24	5.85	6.46	16.40	1.32	32.23	35.53	90.20	5.5
2.0	.60	5.30	8.60	5.55	1.20	10.60	17.20	11.10	6.3
1.8	.01	.19	.13	.15	.02	.34	.23	.27	
2.5	.26	3.44	4.10	11.20	.65	8.60	10.25	28.00	
2.0	.40	4.20	8.20	5.15	.80	8.40	16.40	10.30	4.0
2.0	.05	3.55	4.36	8.20	.10	7.10	8.72	16.40	
2.3	.40	2.20	3.98	5.95	.92	5.06	9.15	13.69	4.8
2.5	.28	3.72	5.74	15.60	.70	9.30	14.35	39.00	
1.5	.15	1.80	4.64	7.25	1.92	2.70	6.96	10.88	4.0
1.0	.37	2.28	2.65	1.35	.30	2.26	2.65	1.35	
1.5	.12	3.88	5.85	7.40	.18	5.52	8.78	11.10	
1.5	.28	2.56	3.39	3.55	.39	2.34	5.09	5.33	5.5
1.5	.40	4.60	8.66	5.80	.60	6.90	12.99	8.70	
1.5	.16	3.12	5.18	8.80	.24	4.68	7.77	13.20	
1.0	.04	2.28	4.45	3.90	.04	2.28	4.45	3.90	

408 Drift South, A7 to A8 + 53 ft.

Length = 141.0 ft.

Average Width = 4.5 ft.

Au = .26 O/T

Ag = 3.43 O/T

Pb = 5.11 %

Zn = 6.81 %

Volume = 141.0 x 4.5 x 1.0 = 634.50 cu. ft.

Using a tonnage factor = 9.0 cu.ft./ton

This ore-shoot may be expected to develop

$\frac{634.50}{9.0} = \underline{70.4}$ tons/vertical foot

Gross dollar value of the Au and Ag in place

Au = \$35.00/oz

Ag = 1.40/oz

Au = .26 O/T x \$35.00 = 9.10

Ag = 3.43 O/T x 1.40 = 4.80

\$13.90

Gross dollar value of the Pb and Zn in place:

Assuming Pb = 13c/lb. and Zn = 15c/lb. (ave. = 14c)

Pb + Zn = .14 x 20 x (5.11 + 6.81)
= 2.8 x 11.92 =

33.38

Total value/ton in place for Area 1 =

\$47.28

APPENDIX II

1966 ASSAY RESULTS, WESTAIR'S J & L PROPERTY - Continued

AREA I

	<u>Ag</u>	<u>As</u>	<u>Pb</u>	<u>Zn</u>	<u>Wx Au</u>	<u>Wx Ag</u>	<u>Wx Pb</u>	<u>Wx Zn</u>	<u>Combined Width (ft.)</u>	<u>408 Drift South A7 to A8 + 53 ft.</u>
1.2	.20	10.92	18.95	6.50	.24	13.10	22.74	7.80	2.9	
1.7	.16	4.90	6.92	5.95	.27	8.33	11.76	10.12		
1.3	.30	3.10	5.55	4.30	.39	4.03	7.22	5.59	2.9	
1.6	.20	4.00	5.50	7.70	.32	6.40	8.80	12.32		
TOTALS					26.99	352.04	528.20	703.99	103.2	

APPENDIX II

1966 ASSAY RESULTS, WESTAIR'S J & L PROPERTY - Continued

Width (ft.)	Au	Ag	Pb	Zn	Wx Au	Wx Ag	Wx Pb	Wx Zn	Combined Width (ft.)	AREA 2 408 Drift South, A10 + 12ft. to A12 + 15ft.
2.6	.16	2.49	3.10	9.50	.26	3.98	4.96	15.20	6.7	Lenght = 130.0 ft.
2.0	.10	.50	.90	4.70	.20	1.00	1.80	9.40		Average width = 4.6 +
1.1	.18	3.06	4.60	3.20	.28	6.12	9.20	6.40		Au = .17 O/T
		.32	.08	.46	.19	.35	.09	.21		Ag = 1.85 O/T
2.0	.11	1.59	3.10	3.50	.22	3.18	6.20	7.00	5.0	Pb = 3.18 %
2.0	.04	.76	1.30	.30	.08	1.52	2.60	.60		Zn = 3.61 %
1.0	.38	.62	.68	.05	.38	.62	.68	.05		Volume = 130.0 x 4.6 x 1.0 = 598.0 cu.ft.
2.6	.18	4.32	5.98	2.06	.47	11.23	15.55	5.36	3.6	Using a tonnage factor = 9.0 cu.ft./ton,
1.0	.26	.20	.20	.10	.26	.20	.20	.10		this ore-shoot may be expected to develop <u>56.5</u>
2.0	.61	.10	.20	.18	.02	.20	.40	.36	3.9	tons/vertical ft.
1.9	.18	3.22	6.99	3.19	.34	6.12	13.28	6.06		Gross dollar value of Au and Ag in place:
2.0	.13	2.77	6.50	3.90	.26	5.54	13.00	7.80	3.5(DDH)	Au = \$35.00/oz
1.5	.48	1.32	1.75	1.60	.72	1.98	2.63	2.40		Ag = 1.40/oz
1.2	.07	.13	.75	1.30	.08	.16	.90	1.56	2.9	Au = .17 C/T x \$35.00 = \$5.95
1.7	.28	4.92	10.35	3.70	.48	8.36	17.60	6.29		Ag = 1.85 O/T x 1.40 = <u>2.59</u>
2.9	.20	2.54	4.35	1.20	.58	7.37	12.61	3.48	6.9	\$ 8.54
2.0	.40	2.94	4.45	14.35	.80	5.88	8.90	28.70		Gross dollar value of Pb and Zn in place:
2.0	.36	.80	3.00	.30	.72	1.60	6.00	.60		Assuming Pb and Zn average price = 14c/lb.
1.7	.52	2.28	4.40	7.50	.88	3.88	7.48	12.75	3.7	Pb + Zn = .14 x 20 (3.18 + 3.61)
2.0	.46	2.96	4.25	1.85	.92	3.92	8.50	3.70		= 2.8 x 6.7
2.0	.40	3.20	6.75	4.15	.80	6.40	13.50	8.30	4.5	<u>19.01</u>
2.5	.20	.34	.70	7.10	.50	.85	1.75	17.75		Total value/ton in place for Area 2 =
1.5	.20	2.88	3.97	6.20	.30	4.32	5.96	9.30	6.1	<u>\$27.55</u>
4.6	.03	.57	1.08	.05	.14	2.62	4.96	.23		

APPENDIX II

1966 ASSAY RESULTS, WESTAIR'S J & L PROPERTY - Continued

Width (ft.)	Au	Ag	Pb	Zn	Wx Au	Wx Ag	Wx Pb	Wx Zn	Combined Width (ft.)	
3.8	.08	4.78	8.00	8.50	.30	18.17	30.40	32.30	3.8	
2.0	.02	5.22	8.30	9.00	.04	10.44	16.60	18.00	5.0	
3.0	.01	.19	.05	.40	.03	.57	.15	1.20		
2.0	.04	1.22	1.40	4.10	.08	2.44	2.80	8.20	5.0	
3.0	.02	1.84	1.80	2.30	.06	5.52	5.40	6.90		
2.0	.08	5.32	7.70	9.20	.16	10.64	15.40	18.40	4.3	
2.3	Tr	.20	.05	.50	-	.46	.16	1.15		
1.6	.10	2.44	2.70	.45	.16	3.90	4.32	.72	3.6	
2.0	.17	3.03	4.80	11.20	.34	6.06	9.60	22.40		
1.0	.06	.74	.68	2.00	.06	.74	.68	2.00	3.0	
2.0	Tr	.40	.10	.15	-	.80	.20	.30		
ore assumed to be in east wall										
3.0	.01	.59	1.10	.10	.03	1.77	3.30	.30	6.0	
3.0	.02	2.18	5.90	7.00	.06	6.54	17.70	21.00		
ore assumed to be in east wall										
2.6	.26	.10	.10	.92	.68	.26	.26	2.39	4.6	
2.0	.36	.64	.68	5.40	.72	1.28	1.36	10.80		
1.4	.34	.12	.10	3.20	.48	.17	.14	4.48	3.7	
2.3	.33	1.32	1.50	6.90	.76	3.04	3.45	15.87		
3.0	.70	.20	.08	1.96	2.10	.60	.32	5.88	4.6	
1.6	.05	.12	.10	2.00	.08	.19	.16	3.20		
					<u>6.14</u>	<u>73.69</u>	<u>112.40</u>	<u>175.49</u>	<u>43.6</u>	

AREA 3
408 Drift South, A14 to Face (1966)

Length = 114.0 ft.

Average width = 4.3 ft

Au = .054 O/T

Ag = 1.69 O/T

Pb = 2.6%

Zn = 4.0%

Volume = 114 x 4.3 x 1.0 = 490.2 cu. ft.

Using a tonnage factor = 9.0 cu. ft./ton

This ore-shoot may be expected to develop
 $\frac{490.2}{9.0} = \underline{54.5}$ tons/vertical ft.

Gross dollar value of the Au and Ag in place:

Au = \$35.00/oz

Ag = 1.40/oz

Au = .054 x \$35.00 = \$1.89

Ag = 1.69 x 1.40 = \$2.37

\$ 4

Gross dollar value of Pb and Zn in place:

Assuming Pb and Zn average price = .14¢/lb.

Pb - Zn = .14 x 20 (2.6 + 4.0)

= 2.8 x 6 =

18.48

Total value/ton in place for Area 3

\$22.74

APPENDIX II

1966 ASSAY RESULTS, WESTAIR'S J & L PROPERTY - Continued

Width (ft.)	Au	Ag	Pb	Zn	Wx Au	Wx Ag	Wx Pb	Wx Zn	Combined Width (ft.)	<u>AREA 2</u>
										<u>408 Drift South, A10 + 12 ft. to A12 + 15ft.</u>
1.5	.16	1.84	4.33	2.25	.24	2.76	6.49	3.38	4.5	
3.0	.06	4.66	4.33	2.25	.18	13.98	12.99	6.75		
2.0	.14	6.26	13.45	4.35	.28	12.52	26.90	8.70	5.5	
3.5	.03	.23	1.00	.25	.11	.81	3.50	.86		
2.6	.20	2.00	2.13	4.50	.52	5.20	5.53	11.70	2.6*	
2.2	.16	2.64	2.18	5.70	.35	5.80	4.79	12.54	6.6	
4.4	.04	.38	.53	.65	.18	1.67	2.33	2.86		
2.0	.03	.29	.34	7.35	.06	.58	.68	14.70	5.3	
2.2	.14	.06	1.18	4.50	.31	.13	2.59	9.90		
1.1	.01	.15	2.20	2.25	.01	.16	2.42	2.48		
1.1	.10	.78	1.68	4.60	.01	.86	1.84	5.06	3.9	
2.8	.30	3.70	3.26	6.90	.84	10.36	9.13	19.32		
2.3	.16	1.84	3.10	4.25	.37	4.23	7.13	9.78	4.2	
1.9	Tr	.10	3.68	12.80	--	.19	6.99	24.32		
TOTALS					13.34	146.65	252.06	286.00	79.4	

below the 2.9 ft. minimum set by the writer

APPENDIX II

1966 ASSAY RESULTS, WESTAIRS J & L PROPERTY - Continued
AREA 1

<u>Width</u> <u>(ft.)</u>	<u>Au</u>	<u>Ag</u>	<u>Pb</u>	<u>Zn</u>	<u>Wx Au</u>	<u>Wx Ag</u>	<u>Wx Pb</u>	<u>Wx Zn</u>	<u>Combined</u> <u>Width(ft.)</u>	<u>408 Drift South, A7 to A8 + 53 ft.</u>
2.0	.08	1.52	2.65	5.60	.16	3.04	5.30	11.20	4.0	
2.0	.28	4.88	9.34	12.15	.56	9.76	18.68	24.30		
2.0	.58	5.30	6.30	10.05	1.16	10.60	12.60	20.10	4.0	
2.0	.40	2.80	4.50	8.15	.80	5.60	9.00	16.30		
2.0	.38	1.56	3.00	5.70	.76	3.12	6.00	11.40	4.0	
2.0	.11	2.35	3.27	7.90	.22	4.70	6.54	15.80		
1.8	.40	4.40	8.60	9.10	.72	7.92	15.48	16.38	4.0	
2.2	.13	4.11	6.60	6.05	.29	9.04	14.52	13.31		
1.7	.42	5.58	9.82	5.72	.71	9.49	16.69	9.78	3.7	
2.0	.09	3.91	6.35	9.75	.18	7.82	12.70	19.50		
1.5	.74	5.48	9.05	4.20	1.11	8.22	13.58	6.30	4.2	
1.2	.46	2.84	8.95	7.25	.55	3.41	10.74	8.70		
1.5	.06	3.46	3.95	9.85	.72	5.19	5.93	14.78		
1.2	.40	2.24	5.32	6.35	.48	2.69	6.38	7.62	4.5	
1.3	.24	6.24	7.52	9.95	.31	8.11	9.77	12.94		
2.0	.04	2.56	3.47	6.10	.08	5.12	6.94	12.20		
1.6	.46	5.54	8.40	7.10	.46	5.54	8.40	7.10	4.7	
1.3	.02	.28	.57	1.20	.03	.42	.81	1.80		
2.2	.20	4.70	7.06	12.25	.44	10.34	15.53	26.95		
1.0	.60	7.80	7.07	7.25	.60	7.80	7.07	7.25	2.9	
1.9	.16	5.24	7.27	6.70	.30	9.95	13.81	12.73		
1.6	.27	3.85	6.37	3.40	.43	6.16	10.19	5.44	5.3	
2.0	.03	.69	1.27	.30	.06	1.38	2.54	.60		
1.7	.11	7.09	9.27	8.45	.19	12.05	15.76	14.37		

APPENDIX II

1966 ASSAY RESULTS, WESTAIR'S J & L PROPERTY

AREA 1

Width (ft.)	Au	Ag	Pb	Zn	Wx Au	Wx Ag	Wx Pb	Wx Zn	Combined Width (ft.)	408 Drift South, A7 to A8 + 53 ft.
6.0	.34	1.16	2.46	2.75	2.04	6.96	14.76	16.50	6.5	Length = 141.0 ft. Average Width = 4.5 ft. Au = .26 O/T Ag = 3.43 O/T Pb = 5.11 % Zn = 6.81 % Volume = 141.0 x 4.5 x 1.0 = 634.50 cu. ft. Using a tonnage factor = 9.0 cu.ft./ton This ore-shoot may be expected to develop $\frac{634.50}{9.0} = \underline{70.4}$ tons/vertical foot Gross dollar value of the Au and Ag in place Au = \$35.00/oz Ag = 1.40/oz Au = .26 O/T x \$35.00 = 9.10 Ag = 3.43 O/T x 1.40 = <u>4.80</u> \$13.90 Gross dollar value of the Pb and Zn in place: Assuming Pb = 13c/lb. and Zn = 15c/lb. (ave. = 14c) Pb + Zn = .14 x 20 x (5.11 + 6.81) = 2.8 x 11.92 = <u>33.38</u> Total value/ton in place for Area 1 = <u>\$47.28</u>
0.5	.04	5.10	3.30	6.40	.02	2.55	1.65	3.20		
4.0	.25	.75	1.39	1.90	1.00	3.00	5.56	7.60	4.0	
3.0	.06	.74	.48	2.15	.18	2.22	1.44	6.45	6.0	
3.0	.08	2.02	2.52	4.75	.24	6.06	7.56	14.25		
4.0	.26	4.14	6.10	7.94	1.04	16.56	24.40	31.76	4.0	
5.5	.10	3.10	3.06	5.26	.55	17.05	16.83	28.93	5.5	
5.5	.24	5.85	6.46	16.40	1.32	32.23	35.53	90.20	5.5	
2.0	.60	5.30	8.60	5.55	1.20	10.60	17.20	11.10	6.3	
1.8	.01	.19	.13	.15	.02	.34	.23	.27		
2.5	.26	3.44	4.10	11.20	.65	8.60	10.25	28.00		
2.0	.40	4.20	8.20	5.15	.80	8.40	16.40	10.30	4.0	
2.0	.05	3.55	4.36	8.20	.10	7.10	8.72	16.40		
2.3	.40	2.20	3.98	5.95	.92	5.06	9.15	13.69	4.8	
2.5	.28	3.72	5.74	15.60	.70	9.30	14.35	39.00		
1.5	1.28	1.80	4.64	7.25	1.92	2.70	6.96	10.88	4.0	
1.0	.30	2.26	2.65	1.35	.30	2.26	2.65	1.35		
1.5	.12	3.68	5.85	7.40	.18	5.52	8.78	11.10		
1.5	.26	1.56	3.39	3.55	.39	2.34	5.09	5.33	5.5	
1.5	.40	4.60	8.66	5.80	.60	6.90	12.99	8.70		
1.5	.16	3.12	5.18	8.80	.24	4.68	7.77	13.20		
1.0	.04	2.28	4.45	3.90	.04	2.28	4.45	3.90		

COMBINED AREAS 1, 2 AND 3

<u>Tons/ft.</u>	<u>Gross \$ Value</u>	<u>Tons x Value</u>	<u>Weighted Gross \$ Value</u>
70.4	47.28	3,328.51	
66.5	27.55	1,832.08	
54.5	22.74	1,239.33	
<u>TOTALS</u>	<u>191.4</u>	<u>6,399.92</u>	<u>\$ 33.47</u>

Therefore, level 2700 has developed 191.4 tons per vertical foot with a gross dollar value of \$33.47 in place.