

Certificate of Analysis

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0920 043
Warren

GENERAL TESTING LABORATORIES DIVISION SUPERINTENDENCE COMPANY (CANADA) LTD.

ANALYTICAL AND CONSULTING CHEMISTS

BULK CARGO SPECIALISTS - SURVEYORS - INSPECTORS - SAMPLERS - WEIGHERS

MEMBER:
AMERICAN SOCIETY FOR TESTING MATERIALS
THE AMERICAN OIL CHEMISTS' SOCIETY
CANADIAN TESTING ASSOCIATION

1001 EAST PENDER STREET
VANCOUVER 131, B.C.
CANADA

REFEREE AND/OR
OFFICIAL CHEMISTS FOR:
VANCOUVER MERCHANTS EXCHANGE
NATIONAL INSTITUTE OF OILSEED PRODUCTS
THE AMERICAN OIL CHEMISTS' SOCIETY

August 11th, 1972

OFFICIAL WEIGHMASTERS FOR:
VANCOUVER BOARD OF TRADE
VANCOUVER MERCHANTS EXCHANGE

RIO TINTO CANADIAN EXPLORATION LTD.
#615 - 2 Bentall Centre
Vancouver 1, B.C.

Marks C22320, 21

No. 7207-3135

WE HAVE ANALYZED the herein described sample received on August 9, 1972, and report as follows:

SPECTROGRAPHIC ANALYSIS (Semi-Quantitative)

	<i>Nas champ Showing</i>				
	No. 4	No. 5		No. 4	No. 5
Aluminum (Al)	8.%	8.%	Lead (Pb)	ND	ND
Antimony (Sb)	ND	ND	Magnesium (Mg)	2.%	1.%
Arsenic (As)	ND	ND	Manganese (Mn)	0.07%	0.03%
Barium (Ba)	0.03%	0.03%	Molybdenum (Mo)	0.03%	*
Beryllium (Be)	ND	ND	Niobium (Nb)	ND	ND
Bismuth (Bi)	ND	ND	Nickel (Ni)	ND	ND
Boron (B)	ND	ND	Silicon (Si)	matrix	matrix
Cadmium (Cd)	ND	ND	Silver (Ag)	0.001%	trace
Calcium (Ca)	5.%	1.%	Strontium (Sr)	0.05%	0.03%
Chromium (Cr)	0.007%	0.01%	Tantalum (Ta)	ND	ND
Cobalt (Co)	ND	ND	Tin (Sn)	ND	0.007%
Copper (Cu)	*	0.3%	Titanium (Ti)	0.5%	0.1%
Gallium (Ga)	ND	ND	Tungsten (W)	ND	ND
Gold (Au)	trace	trace	Vanadium (V)	ND	ND
Iron (Fe)	5.%	3.%	Zinc (Zn)	ND	0.1%
Thorium (Th)	ND	ND	Sodium (Na)	3.%	2.%
Uranium (U)	ND	ND	Potassium (K)	2.%	2.%

MATRIX - Major constituent
TRACE - Detected but minor amounts
N.D. - Not detected
* - Suggest assay (above 0.3%)

A = 8301 - Franklin

578301 - Victor Mining

GENERAL TESTING LABORATORIES DIVISION
SUPERINTENDENCE COMPANY (CANADA) LTD.

per

H. Sharples
H. Sharples - Provincial Assayer

HS/pa

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RIO TINTO CANADIAN EXPLORATION LTD.
 #615 - 2 Bental Centre
 Vancouver 1, B.C.

August 11th, 1972

Marks: C22317, 18, 19, 20, 21

No. 7207-3135

WE HAVE ANALYZED the herein described sample received on August 9, 1972,
 and report as follows:

SPECTROGRAPHIC ANALYSIS (Semi-Quantitative)

	chilco			No. 1	Deschamps		
	No. 1	No. 2	No. 3		No. 1	No. 2	No. 3
Aluminum (Al)	8.3	8.3	8.3	Lead (Pb)	0.003	0.003	ND
Antimony (Sb)	ND	ND	ND	Magnesium (Mg)	2.3	3.3	5.3
Arsenic (As)	ND	ND	ND	Manganese (Mn)	0.05%	0.1%	0.1%
Barium (Ba)	0.07%	0.03%	0.01%	Molybdenum (Mo)	0.001%	0.01%	0.2%
Beryllium (Be)	ND	ND	ND	Niobium (Nb)	ND	ND	ND
Bismuth (Bi)	ND	ND	ND	Nickel (Ni)	ND	ND	ND
Boron (B)	ND	ND	0.03	Silicon (Si)	matrix	matrix	matrix
Cadmium (Cd)	ND	ND	ND	Silver (Ag)	trace	0.001%	0.001%
Calcium (Ca)	5.3	5.3	5.3	Strontium (Sr)	0.07%	0.01%	0.07%
Chromium (Cr)	0.01%	0.01%	0.005%	Tantalum (Ta)	ND	ND	ND
Cobalt (Co)	ND	ND	ND	Tin (Zn)	ND	ND	ND
Copper (Cu)	0.2%	*	0.1%	Titanium (Ti)	0.4%	0.5%	0.5%
Gallium (Ga)	ND	ND	ND	Tungsten (W)	ND	ND	ND
Gold (Au)	trace	trace	trace	Vanadium (V)	0.003%	0.01%	0.01%
Iron (Fe)	3.3	5.3	5.3	Zinc (Zn)	ND	ND	ND
Thorium (Th)	ND	ND	ND	Sodium (Na)	3.3	2.3	3.3
Uranium (U)	ND	ND	ND	Potassium (K)	2.3	2.3	2.3

MATRIX - Major constituent
 TRACE - Detected but minor amounts
 N.D. - Not detected
 * - Suggest assay (above 0.3%)

GENERAL TESTING LABORATORIES DIVISION
 SUPERINTENDENCE COMPANY (CANADA) LTD.

1 = 8301 Sun & Tomo ✓
 2 = 8301 Chile ✓
 3 = 8301 Franklin ✓

per H. Sharples
 H. Sharples - Provincial Assayer

HS/pm

Specimen #12

A coarse grained breccia. Various-sized angular volcanic and intrusive [?] rock fragments. Disseminated sulphides.

Mineralogy:

Fragments:	volcanic]	
	intrusive]	- 50%
Matrix:	quartz	- 48
	sulphides	- 2

Textures:

Various-sized angular altered volcanic and intrusive [?] rock fragments engrained in a silica matrix. The silica matrix is dissected by later silica veins.

Alteration:

Silica veining of matrix. Biotite, orthoclase, carbonate, sericite, chlorite and epidote are the predominant alteration minerals in the rock fragments.

Discussion:

Sulphides associated with silica veining. Volcanic rock fragments are homogeneous-acicular-textured volcanic porphyry. Breccia could be of either an intrusive or tectonic nature depending upon field relationships.

Respectfully submitted,

P. M. McAndless

P. M. McAndless
Geologist

Chilko Lake Property - No. 2 - by sampling breccia on Arlene Claims

Sapphire Creek.

	Sample No.	As.	Ag.	Cu.	
Typical High Grade Breccia.	W. 8312.	.005 oz	.70 oz	.85%	
"	E 8312	.01 oz	.80 oz	.90%	
Typical Pyritic Breccia Sample A	W. 8313	.01 oz	.65 oz	.90%	
"	E. 8313	.01 oz	.70 oz	1.00%	
Typical Pyritic Tuff	W. 8314	.005 oz	.15 oz	.05%	
	E 8314	Tr.	Tr.	Tr.	
Typical Pyritic Breccia Sample B	W. 8315	Tr (oz)	.88 oz	.35%	
Breccia high in Pyrite.	W. 8316.	.01 oz	.85 oz	.30%	
<hr/>					
1996 Typical Pyritic Breccia	W. A	.03 oz	.65 oz	.25%	
Pyrite.	W. B	.01 oz	ndone	ndone	
<hr/>					
Suggested Summary		High Grade	.01 oz	.75 oz	.87%
		Pyritic Breccia	.01 oz	.65 oz	.30%
		High Tuff	.005 oz	.10 oz	.05%

Wellenms. Eldridge



Certificate of Assay

TO RIO TINTO CANADIAN EXPLORATION GENERAL TESTING LABORATORIES DIVISION
#615 - 2 Dental Centre
Vancouver 1, B.C.
ATT:MR. H.I. HALL

SUPERINTENDENCE COMPANY (CANADA) LTD.
 1001 EAST PENDER STREET VANCOUVER 6, B.C.
 PHONE (604) 254-1647
 TELEX 04-507514

FILE NO. 7207-3135

DATE August 4th, 1972

We Herewith Certify that the following are the results of assays made by us upon submitted Drill Core samples

MARKED	GOLD		SILVER	Copper (Cu)	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT	PER CENT	PER CENT	PER CENT	PER CENT	PER CENT
		\$							
013299	---		---	0.06			Molybdenite (MOS ₂)		
13300	---		---	0.01			8603 -		
22317	---		---	0.16			8301 - Agglomerate, Py, Cu?		
Chilo Breccia 22318	Trace		0.15	0.46			8301 - Sun atoms		
Denham 22319	---		---	---			8301 - Frother Am Chl Breccia		
Shoring 22320	Trace		0.17	0.34			8301 - " " Qt. "		
22321	---		---	0.12			8301 - Victor Mine		
22322	Trace		0.22	0.09			8301 - Chilo, Wamen Breccia		
22323	---		---	3.35			8301 - Sun atoms high grade		
22324	---		---	0.10			8603 -		
22325	---		---	0.18			8603 -		
22753	---		---	9.30			ADONIS BRECCIA 8301		

RS/pm

Note: Rejects retained two weeks
 Pulps retained three months
 Pulps and rejects may be stored for a maximum of one year by special arrangement.

COPY

Gold calculated at \$..... per ounce

H. Sharples
 H. Sharples

Provincial Assayer

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	No. 1	No. 2	No. 3	No. 1	No. 2	No. 3	
Aluminum (Al)	8.2	8.2	8.2	Lead (Pb)	0.003	0.003	ND
Antimony (Sb)	ND	ND	ND	Magnesium (Mg)	2.2	3.2	5.2
Arsenic (As)	ND	ND	ND	Manganese (Mn)	0.05%	0.1%	0.1%
Barium (Ba)	0.07%	0.03%	0.01%	Molybdenum (Mo)	0.001%	0.01%	0.2%
Beryllium (Be)	ND	ND	ND	Niobium (Nb)	ND	ND	ND
Bismuth (Bi)	ND	ND	ND	Nickel (Ni)	ND	ND	ND
Boron (B)	ND	ND	0.03	Silicon (Si)	matrix	matrix	matrix
Cadmium (Cd)	ND	ND	ND	Silver (Ag)	trace	0.001%	0.001%
Calcium (Ca)	5.2	5.2	5.2	Strontium (Sr)	0.07%	0.01%	0.07%
Chromium (Cr)	0.01%	0.01%	0.005%	Tantalum (Ta)	ND	ND	ND
Cobalt (Co)	ND	ND	ND	Tin (Zn)	ND	ND	ND
Copper (Cu)	0.2%	*	0.1%	Titanium (Ti)	0.4%	0.5%	0.5%
Gallium (Ga)	ND	ND	ND	Tungsten (W)	ND	ND	ND
Gold (Au)	trace	trace	trace	Vanadium (V)	0.003%	0.01%	0.01%
Iron (Fe)	3.2	5.2	5.2	Zinc (Zn)	ND	ND	ND
Thorium (Th)	ND	ND	ND	Sodium (Na)	3.2	2.2	3.2
Uranium (U)	ND	ND	ND	Potassium (K)	2.2	2.2	2.2

MATRIX - Major constituent
 TRACE - Detected but minor amounts
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per H. Sharples

HS/pm

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