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 GEOLOGICAL & GEOCHEMICAL REPORT

 TYON CLAIM

 LILLOOET MINING DIVISION

 920/3E

 51° 06'N 123° 01'W

 Owned & Operated by:

 PRISM RESOURCES LIMITED

Bernard Dewonck

May, 1981





June 1, 1981

Department of Mines & Petroleum Resources,

Dear Sirs:

The attached report was prepared by Mr. Bernard Dewonck, an employee of this Company, working under my supervision. I consider Mr. Dewonck competent to do the work and I agree with his conclusions and recommendations.

Yours truly

PRISM RESOURCES LIMITED

Donald H. James, P. Eng. Chief Geologist

DHJ/sem Enclosure



### GEOLOGICAL & GEOCHEMICAL REPORT

### TYON CLAIM

LILLOOET MINING DIVISION

920/3E

51° 06'N 123° 01'W

Owned & Operated by:

PRISM RESOURCES LIMITED

.

Bernard Dewonck

May, 1981

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#### TYON CLAIMS

#### (1) Location and Access

The property is situated on the north side of Tyaughton Creek (NTS reference 920/3E). It is most easily reached by helicopter from Gold Bridge, 33 km. to the southeast or from Pemberton, 90 km. to the south (Figure 1).

### (2) Claim Information

The TYON claim, record number 1377(6), consists of 20 Modified Grid System units in a 4W 5S configuration and is owned outright by Prism Resources Limited. It was staked June 21, 1981 and recorded June 30, 1981 at Lillooet, B.C., recording office for the Lillooet Mining District. Figure 2 taken from government mineral claim map NTS 920/3E, indicates location of the claim with respect to local features and other claims in the area.

Topographic relief is quite severe except for the southern third of the block which is also the area below treeline Elevations range from 5900' to greater than 8000'. The current areas of interest straddle two NE-SW trending ridges, the tops of which exceed 7200'. There appear to be no previously known showings on the claims.

### (3) Geology

No detailed geological mapping has been done on the property to date. The area was prospected using regional mapping published by the Geological Survey of Canada (O.F. 534) as a guide, which shows the claim to be underlain by argillites, greywackes and shales of the Tyaughton Group (lower-middle Jurassic) intruded by felsic rocks of Eocene age. Malachite and azurite were found on altered syenitic (?) rocks in talus and subsequently similiar rocks were found to have pyrite, magnetite and chalcopyrite as disseminations anomalies. Also, the steepness of the terrain raises the possibility that parts of the anomalies are transported rather than residual. Glacial activity is also a factor yet to be determined.

It is evident, however, that these geochemical anomalies do represent a zone (or zones) of base and precious metal emplacement as borne out by the occurrence of sulphides in float, and that more detailed and controlled sampling is warranted. Except for copper on the northwest side of the creek, the values appear to weaken quite rapidly to the north and east. There is room in the southwest corner of the claim for expansion of the anomalies as presently defined.

#### (5) Conclusions and Recommendations

Preliminary soil sampling and prospecting of the TYON claim has served to outline areas of base and precious metal occurrences which warrant further investigation. It is recommended that a grid be established for control of detailed geological, geochemical and (if necessary) geophysical surveys. The grid baseline should be oriented in a NW-SE direction to facilitate traverses in a SW-NE direction. The grid should include and overlap presently sampled areas, particularly to the southwest.

- 3 -

and as thin fracture fillings. Also found was quartz vein float which contained boulangerite; this material is located on a ridge about 1000 m to the southeast of the copper mineralization. The two areas are well reflected in the preliminary geochemical survey carried out in August 1980.

### (4) Soil Geochemistry

### (a) <u>Results</u>

Preliminary geochemical coverage of the claim was achieved by soil sampling along topographic contours, at selected elevations, around two prominent ridges which trend NE-SW across the property. The number of samples taken in this fashion totals 168 and all were analysed for copper, molybdenum, lead, zinc, silver and gold. Figures 3, 4 and 5 illustrate contoured copper, molybdenum and gold values respectively and all results appear in table form. All analyses were done by Vangeochem Labs of North Vancouver, B.C. Analytical methods are described in Appendix I.

Copper values form the broadest and most continuous anomaly which encompasses areas on both sides of the SW flowing creek in the centre of the claim block. The highest values are recorded where mineralization was found in float, on the ridge northwest of the creek. The molybdenum anomaly is essentially coincident with the copper anomaly, although it is somewhat more restricted.

The most continuous gold anomaly is found on the southeast side of the creek, covering the ridge where boulangerite bearing quartz was found. There are some values on the northwest side as well but definition of an anomalous zone is much more tenuous.

#### (b) Interpretation

Evaluation of this preliminary survey must take into account the lack of grid control on sample locations which leaves room for probable error in the configuration of the

- 2 -

# Cost Statement

(1)	Wages (a) fie	ldwork August 17 - 27	7, 1980	
	B. Dewonck	2 days @ \$87.50 = \$1	175.00	
	D. Howe	1 day @ 72.72 =	72.72	
	M. Buchholz	3  days  @ 50.00 = 1	150.00	
	K. Hanson	3  days  @ 50.00 = 1	150.00	
	T. Wong	3  days  @ 40.91 = 1	122.73	
		şe	570.45	\$ 670.45
	(b) repo	ort preparation Octob	per 1980; May 1	981
	B. Dewonck	4 days @ $$105.00 = $$	\$420.00	
	D. Howe	2 days @ 72.72 =	145.44	
		-	\$565.44	565.44
(2)	Geochemical Ar	nalyses - Vangeochem	Labs Ltd.	1,866.90
(3)	Transportation	n - Terr Air Rotary		
		ALC Air-Lift		
		Pemberton Helicop	oters	1,082.00
(4)	Portion of Tas	seko Project general	expenses	
	(pro rated on property (12)	during project peri	lod)	2,049.29
			TOTAL	\$6,234.08
				<u>**</u>





#### CERTIFICATE

- I, BERNARD DEWONCK, hereby certify that:
  - 1. I am a geologist residing at 8480 Littlemore Place, RICHMOND, B. C.
  - 2. I received a B.Sc degree in Geology from the University of British Columbia in 1974.
  - 3. I have been practising my profession since 1974.
  - 4. I am the author of this report.
  - 5. I have been employed with Prism Resources Limited since April, 1977, intermittently employed with several exploration companies from 1973-1977.
  - 6. I have no beneficial interest in the claims described in this report nor do I expect to receive any.

BERNARD DEWONCK B

# TABLE I

## SOIL SAMPLE GEOCHEMISTRY

### TYON CLAIM

VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.
CANADA V7P 2S3

# TELEPHONE: 986-5211

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Page 14 of 18

AREA CODE: 604 

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# Certificate of Geochemical Analyses

.-- IN ACCOUNT WITH--

Prism Resources Ltd. 

Report No: 80-79-033 Sec. S. P. Samples Arrived: Report Completed: For Project:

Analyst:

Attention:

		· · · · · · · · · · · · · · · · · · ·						
	Sample Marki	na di secolari	Mo	Cu <sup>-</sup>	PD C	Zn 🤤	Ag*	
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	. 04		2	45	36	162	0.2	
	05		3	47	39	260	0.3	
			3	56	42	216	0.1	The superior designed from
	07		7	61	36	213	0.4	
	08	· · ·	13	112	34	630	0.2	
	09		10	148	31	108 🚛	0.5	
	10	· ·	7	123	28 😳	227	0.2	
	11	X	6	152	24	176	0.1	
· ·	12	•	15	790	16	82	0.5	
	13		36	810	19	76	0.7	
- ÷	14		18 ·	316	21	, 79	0.3	
	15		9	1210	21	108	0.7	
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1	17		13	194	24	109	0.3	
L			18	770	21	112	0.5	
			8		35	146	0.8	
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		,	•••	法法法的 医鼻骨的	Angel Charles and		Signed:	

% Mo x 1.6683 = % MoS.

1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

nd = none detected

ppm = parts per million



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Page 15 of

18

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Report No: 80–79–033 Samples Arrived: Report Completed: For Project: Analyst:

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- 24	30	358	21	124	0.3	
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26	4	286	33	178	0.5	
27	28	660	39	136	0.8	
28	45	331 🕬	22	59	0.4	
29	17	1210	20	99	0.9	
30	15	860	20	89	0.6	1. S.
31	23	4 251	23	. 56	0.5	
32	4	78	24	140	0.2	
33	4	116	24	313	0.2	
34	2	94	48	99	0.3	化学会学 计分子分子 建苯基苯
35.	3	161	176	227	. 1.6	the second s
36	7	307	100	152	0.9	
37	16	275	74	136	0.6	
38		196	65	151	0.3	
39	35	272	36	130	0.3	
40	30	1/1	(4	237	.0.5	
				189	0.1	
42	0	109		120	1.0	and the second of the second
43	10	244	92	120	1.0	
44	77	230	55	1 2 2		
45	5	01	50	206	0.1	
40	5	103	50	246	0.2	
41	3	66	45	295	nd	
40	2	77	41	261	0.2	
50	laci nem	54	32	211	0.2	
51	5	55	30	127	0.8	
52	2	51	16	76	0.4	
53	2	46	20	131	0.2	
54	3	62	23	116	nd 🦉	
55	5 3520 466	44	29	58	0.2	and the second
56	3	48	21	126	0.4	
57	5	96	42	216	0.4	
58	2	61	* 36 *	134	0.4	The contract of the second sec
59	3	75	36	156	0.3	
60	4	86	40	237	0.2	
TY 61.	3	61	39	191	nd	
(1	1 .		T •	1 .	I •	

REMARKS: Ag\* = Ag background corrected.

1 Troy oz./ton = 34.28 ppm

% Mo x 1.6683 = % MoS,

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1 ppm = 0.0001%

Signed:

All values are believed to be correct to the best knowledge of the ensight based on the method and instruments used.

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-IN ACCOUNT WITH-

Prism Resources Ltd. 12 Martin Branch and State and State

Attention:

Report No: 80-79-033, Page 16 of 18 Samples Arrived: Report Completed: For Project: Analyst:

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Comple Marking	Мо	Cu 🛒	Pb	Zn	Ag*	
Sample Warking	ppm	ppm	ppm	ppm	ppm	
TY 62	11	111	45	161	- nd [ ].	
63	7	192	45	202	0.5	
64	9	149	54	114	0.4	The second s
65	5	. 84	55	118	.0.2	
66	7	76	35	276	0.1	
67	10	<b>79</b> 10	32	252	nd	
68	.6	64	23	287	0.2	
69	4	, 60	25	183	0.2	
70	4	46	18	162	nd	ملحوق دو این اوران با را به این از این
71	3	45	. 22	174	0.1	
72	6	94	38	131.	0.3	
73	7	116	35	196	0.4	
	3	69	31	135	0.3	
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<u> </u>		126	44'	251	0.7	
102	7	77	23	43	0.3	
103	4	64	44	65	0.6	
104	3 .	56	2000	760	6.4	
105	5	59	46	226	0.7	
106	1	48	71	215	0.5	
107		75 ·	78	304	0.4	
108	2	63	47	378	0.4	
109	4	66	44	61	0.4.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
		87	50	500	-0.7 See	
111	7	89	43	316	0.4	A CARLES AND A CARLE
112	3	231	38	460	0.5	
	4	129	32	238	0.3	
114		84	14	96	0.1	and the second states of the
115	9		30	102	0.5	<ol> <li>A second sec second second sec</li></ol>
116	7	207	33	127	0.1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
117	3	196	14	48	nd 👘	
118	16	1110 -	25	97	0.6	
119	43	1960	31	136	0.7	
120	50	770	26	75	0.9	
121		326	34	1	0.8	
	10	* 302	41	72	0.8 -	
123	14	384	36		0.3	There is an example of the second second
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TY 125	4	160 .	30	100	0.3	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1

REMARKS:

Ag\* = Ag background corrected.

% Mo x 1.6683 = % MoSa

1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

Signed: nd = none detected

ppm = parts per million



## **TELEPHONE: 986-5211** AREA CODE: 604

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Page 17. lof 18

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-IN ACCOUNT WITH-

Prism Resources Ltd. r. . . 

Attention: 👌 👾

80-79-033 Report No: 1 Samples Arrived: Report Completed: For Project: Analyst:

	, Mo	🔆 Cu 🌾	Pb	Zn	Ag*	
Sample Marking	ppm	ppm .	ppm .	ppm	, bbw ,	2019年4月1日1日1月1日1日1日1日
TY 126	5	112	26	107	0.3	
127	13	386	30	126	0.7	
128	$11 \cdots$	354	31	171	, <b>0.5</b>	Sector Sector
129	8	329	40	180	0.2	
130	32	760	30	170	0.6	
131	12	1760	32	94	0.5	
132	17	1180	19	86	0.9	
133	11	1180	17	84	0.7	
134	13	238	21	41	.0.5	
135	14	322	26	47	0.6	
136	3	71	29	149	0.3	
137	19	49	22	186	0.2	
138	3	55	22	104	0,1	
139		36	201:1		0.3	
140	2	46	27.	197	0.3	
141		48	24 55	120	0.3	
142	4	4⊥ 1.1 /	. 33	110	0.4	
143		£0	44	290	0.2	
144		226	2/8	370	3 4	
145	17	343	173	214	1.2	and the second
147	12	200	74	154	0.5	
148	5.00.74	182	94	123	0.6.0	
149	4	321	107	139	0.7	
150	10	142	69	97	0.4	
151	5	266	101	235	1.2	The share
152	2	71	52	181	0.4	
153	2	106	60	329	0:4	
154	1	71	75	350	0.9	
155	2	78	94	202	0.8	
156	5	79	27	89	0.3	
157	4	79	22	89	0.7	
158	3	49	22	74	0.4	
159	. 3	41	23	86	0.1	
160	1	36	19	89	0.2	
- 161	5.,,	48	21	91	0.3	
162	1	36	19	106	0.2	
163	1	38	16	91	0.2	
TY 164	6,	47	20,	131	0.2	
	-				•	

**REMARKS:** Ag\* = Ag background corrected.

% Mo x 1.6683 = % MoS<sub>2</sub>

1 Troy oz./ton = 34.28 ppm

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1 ppm = 0.0001%

Signed:

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nd = none detected ppm = parts per million All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



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Prism Resources Ltd. St. Sec. 

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Report No: 80-79-033 Page 18 of 18 Samples Arrived: 🗦 **Report Completed** 

Attention:

For Project: Analyst: 🔍 🍸

Sample Marking	Мо	Cu ita	Pb	Zn	Ag*	
	ppm	ppm	ppm	ppm	ppm	
TY 165	5	47	- 30	274	0.4	
166	3	52	41 3 3	241	0.5	
167	3	10	42	129	0.4	
168	<b>7</b> 3 (1973)	66	32	246	0.1	
169	5	66	34	. 225	0.4	
170	13	126	40	347	0.5	
171	11	197.	21	5600	0.6	
172	· 2	_206	56	520	0.8	
173	4	231	38	540	0.6	
- 174	8	98	35	149 :	0.5	
175 Area 201	8	81	32	198.	0.3	
176	13	-172	45	81	0.8	
177	9	264	26	. 116	06	
178	9	311	-f .20	्71 स	0.4	
179	23	1210	16	80	0.6	
180	. 11	1240,	20	84	0.8	
181	14	1550	20	116	0.6	
182	11	1430	17	94	0.8	
183	21	1140	21	146	0.7	
184	12	560	21	152	0.4	
185	26 ,	870	. 19 .	111	0.3	The art with the second state of the second st
186	38	1380	17	124	0.5	
187	6	1400	27	106	1.0	
188	7	1540	70	116	2.1	The first in the second second
189	9	1110	<u>                                     </u>	58	0.3	
190	8	610	18	74	0.3	
.191	29	246	20	26	nd	
TY 192	11	197	20	182	0.1	
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REMARKS						

Ag\* = Ag background corrected.

% Mo x 1.6683 = % MoS<sub>2</sub>

1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

Signed:





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Page :

of 5.5

# Certificate of Geochemical Analyses

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Prism Resources Ltd:

Attention:

Report No: 80–79–041 Samples Arrived: Report Completed: For Project: Analyst:

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REMARKS:

% Mo x 1.6683 = % MoS<sub>x</sub>

nd = none detected ppm = parts per million

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Attention:

Prism Resources Ltd.

Report No: 80–79–041 Samples Arrived: Report Completed: For Project: Analyst:

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REMARKS:

% Mo x 1.6683 = % MoS<sub>2</sub> 1 Troy oz./ton = 34.28 ppm (2000) 1 ppm = 0.0001% (

Signed: \_\_\_\_\_ nd = none detected '

ppm = parts per million

Certificate of Ge	ochemi	cal Ana	alyses			
-IN ACCOUNTWITH-			Керс	ort No: 80-	-79-043	Page 1- of 3
3rd Floor, 744 West	l. Hastings	s'States	Samı Repo	ort Completed	Septem Septem	29, 1980
Vancouver, B.C.	/6C 1A5		For	Project:		VCC Stoff
				vst. pice: # 5	5936	Job #80-292
	Mo	Sat Cu and	AL Ph and	Znerel		and Au almost a failed
Sample Marking	ppm	ppm	ppm	ppm	mqq	daa
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68	6 4	64 60 A	23	287	0.2	40
70	4	46	, 18	162	nd 🔅	110
71	3	45 94	22	174	0.1	530**
73	7	116	35	196	(* 0.4¥)	70 ፣
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104	3	. 56.	2000	7.60	6.4	480**
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107	1	75	78	304	0.4	110.5
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110	14	1 87	50	500 f	<u>)</u> 0.7	140
	7	89	38 HA3	<u>316</u> 460	0.4	<u>40</u> 50
113	4	129	32	238	0.3	. 40
		84	14	96 102	0.1	40
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E C C C C C C C C C C C C C C C C C C C	10	312	41	72	0.8	
	14	384	36	115	0.3	50
TY 125	4	160,	30	166	0.3	50
$Ag^* = Ag has$	kground c	orrected	1	1	<u> </u>	
REMARKS: Ag = Ag bac	nground o	n onelwai	<b>a</b>			

VC	<b>3C</b>	() () () () () () () () () () () () () (	ANGEOCHE 21 PEMBEI DRTH VAN ANADA V	EM LAB LT RTON AVE COUVER, I 7P 2S3	D. ., 3.C.,	TELI	EPHONE: 986-5211 A CODE: 604
		achami			• Specia	lising in Trace	Elements Analyses •
Certific	ate of Ge	eocnemi	Cai Ana	ilyses			
-IN ACCOUNT	WITH-			Repo	rt No:	30-79-043	Page 2 of 3
Pri	sm Resources	s Ltd.		Sam	oles Arrived:		
·같은 가슴이 가지 않는 것을 가지 않았다. 25 25	Na San Angelanda Presidente de la companya de la comp			Repo	rt Completec		
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	स्ट्राइटी के इन्हें में दी रहे हैं। स	ι. ···	, saide an su		ysti		
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Sample	Marking	- Mo	〔章 Cu	••••• Pb	Zn 💀	- 16 Ag*.,1	Au
2. Sample	warking	ppm	ppm	ppm	ppm	ppm	ppb
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÷	130	12	1760	30	94	0.5	
	132	17	1180	19	86	0.9	
A REAL PROPERTY.	133	l ii 🔍	1180	17	84	0.7	
	134	13	238	21	41 -	0.5	60
3	135	14	322	26	47	0.6	130
	136	3	71	29	149	0.3	60
·	137	19 2.5	49	22 **	186	0.2	20 × 50 × 4
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	139		T. (. 36	20	-* √188 ≊ 107	****0.3*	nd
<b>)</b>	140	2	40	.27	197	0.3	50
	141		40	- 24 55	116	0.3	100
· SNE SELAND	142	5 727	114	44	131	0.2	40
Children and a state	144	1	69	40	289	0.2	130
	145	. 3	226	248	270	3.4	400**
	146	17	343	173	214	1.2	270**
a	147	12	200	74	154	0.5.,	140
	148	5	182	94 🔿	123	0.6	160.
	149	4	321	107	139	0.7	290
<	150	<u>10</u>	142	69	97	0.4	140
	151	5	266	101	235	1.2	140
	102			52	101	0.4	400**
	15 <i>1</i>	5 1 THE 4 1	71	75	350	0.9	290
4 <b>1</b> 1 1	155	2	78	94	202	:0.8	120
	156	5	• 79	27	89	0.3	20
	157	4	79	22	89	0.7	20
	158	3 5	49	22	74	0.4	10
a	159	3	.41	23	86	0.1-	10
5	160	11	36	19	89	0.2	10
NIL.	161	5	48	21	91	0.3	
N N N N N N N N N N N N N N N N N N N			36	19 32857 - 1933	106		50
	163	e l'ata 1 See	12882383	010	171 Jan	0.2	NU AN
· • • • • • • • • • • • • • • • • • • •	104		41,	20,	1 101	1 .0.4 /	in the second

REMARKS: 

% Mo x 1.6683 = % MoSz

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Ag\* = Ag background corrected.

\*\* Sample repeated for analysis.

1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001%

Signed:

parts per million # nd = none detected ppm



# TELEPHONE: 986-5211 AREA CODE: 604

 Specialising in Trace Elements Analyses and the second second second second

Page

Certificate of Geochemical Analyses -IN ACCOUNT WITH-

Prism Resources Ltd.

14117 Samples Arrived: STOP STOP \*\*: Report Completed: For Project:

Analyst:

Report No: 80-79-043

Attention:

Cu 🗸 Ag\* Au Мо Pb Zn Sample Marking ppb ppm ppm ppm ppm ppm 0.4. 10 5 -- 30 ×: 274 47 ΤY 165 nd 0.5 41 #241 3 2 166 ç., 4.42 129 40 167 3 . 10 0.1. nd . 66 >32 246 168 . F. 7 . . 0.4 nd 225 5 66 34 169 0.5 🔄 nd 126 40 347 13 170 120 0.6 21 5600 171 11 197 . 30 520 0.8 2 206 56 172 / 10 231 1.0.6 38 540 173 4 <u>ੇ ੱ 10 ਵ</u> 149 0.5 35 · 98 174 8 10 0.3 ~ 198 81 32 175 8 81 30. 172 45 .0.8 13 176 0.6 . 264 26 🗗 . 116 20 177 9 710, 3. 0.4 71 20 178 · 9 5 **311** 😳 0.6 1210 16 80 179 23 20 84 0.8 ₹ 11 1240 180 116 0.6 14 1550 20 181 17 94 0.8 11 1430 182 21 4 146 0.7 21 1140 183 184 12 560 21 152 0.4 19 0.3 26 870 185 17 124 0.5 38 1380 186 .1.0 27 106 1400 6 187 116 2.1 . 1540 7 70 188 0.3 ··<sup>\*</sup>·58 11 1110 189 9 0.3 🖏 74 8 610 18 190 246 20 26 nd 29 191 0.1 182 192 20 11 🕓 197 218, 0.1, 6200 • 9 . 188 Rock 3 / 1. Sec. 1 is and 2007-**2**2 ÷ . . ·i • ,+)` 家、维 10.00 

REMARKS: Ag\* = Ag backgound corrected.

% Mo x 1.6683 = % MoS

1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001%

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments

nd = none detected ppm

Signed:

arts per million

-IN ACCOUNT WITH- Prism 'Resources Ltd	eocnem	ical An	alyses Rep Sam	ort No: 80 ples Arrived:	-79-035 Septem	Page 1 of ber 2, 1980
#601, 409 Granville Vancouver, B.C. v Attention:	St. 6C 1T2		Rep For Ana Inv	ort Complete Project: lyst: oice: #	E.T. &	Der 30, 1980 VGC Staff Job # 80-29
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# TELEPHONE: 986-5211 AREA CODE: 604

• Specialising in Trace Elements Analyses •

#### -IN ACCOUNT WITH-

Prism Resources Ltd.

Certificate of Geochemical Analyses

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Report No: 80-79-035 Page 2 of 2 Samples Arrived: Report Completed: For Project: Analyst:

Attention:

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Sample Marking	Au ppb			en e		
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32 33	160 60			से प्रतिसंख्यान्त्र स		
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a tan ing maganang ang ang ang ang ang ang ang ang				•••••		
				And a standard and a second of the		

REMARKS: \* sample repeated for analysis & checked O.K.

% Mo x 1.6683 = % MoS<sub>2</sub>

1 Troy oz./ton = 34:28 ppm

′ - 1 ppm = 0.0001%

nd = none detected ppm = parts per million

Signed:

- 21 -We want the second for the WELTE THE REAL PROPERTY e. Na seg •)

## APPENDIX I

## ANALYTICAL PROCEDURES

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986-5211

V7P 283

### January 20, 1978

- TO: Prism Resources Ltd., # 214 - 850 West Hastings Street, Vancouver, B. C. V6C 1E1
- FROM: Vangeochem Lab Ltd., 1521 Pemberton Avenue, North Vancouver, B. C. V7P 2S3
- SUBJECT: Analytical procedure used to determine Aqua Regia soluble gold in geochemical samples.

#### 1. Method of Sample Preparation

VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE 140

- (a) Geochemical soil, silt or rock samples were received in the laboratory in wet-strength 4 x 6 Kraft paper bags.
- (b) The wet samples were dried in a ventilated oven.
- (c) The dried soil and silt samples were sifted by using a shaking machine using an 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.
- (d) The dried rock samples were crushed and pulverized to 80-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for later analysis.

#### 2. Method of Digestion

- (a) 5.00 grams of the minus 80-mesh samples were used. Samples were weighed out by using a top-loading balance into beakers.
- (b) 20 ml of Aqua Regia (3:1 HCl:HNO<sub>2</sub>) were used to digest the samples over a hot plate vigorously.



- (c) The digested samples were filtered and the washed pulps were discarded and the filtrate was reduced to about 5 ml.
- (d) The Au complex ions were extracted into diisobutyl ketone and thiourea medium. (Anion exchange liquids "Aliquot 336").
- (e) Separate funnels were used to separate the organic layer.
- 3. Method of Detection

The gold analyses were detected by using a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. A hydrogen lamp was used to correct any background interferences. The gold values in parts per billion were calculated by comparing them with a set of gold standards.

The analyses were supervised or determined by Mr. Conway Chun and his laboratory staff.

Eddie Tang VANGEOCHEM LAB/LTD.

ET:mb

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986-5211 XXXXXXXXX

**V7P 2S3** 

January 20, 1978

- TO: Prism Resources Ltd., # 214 - 850 West Hastings Street, Vancouver, B. C. V6C 1E1
- FROM: Vangeochem Lab Ltd., 1521 Pemberton Avenue, North Vancouver, B. C. V7P 283
- SUBJECT: Analytical procedure used to determine hot acid soluble Mo, Cu, Pb, Zn, Ag, and Cd in geochemical silt and soil samples.
- 1. Sample Preparation
  - (a) Geochemical soil or silt samples were received in the laboratory in wet-strength  $\frac{3}{2} \ge 6\frac{1}{2}$  Kraft paper bags.
  - (b) The wet samples were dried in a ventilated oven.
  - (c) The dried soil and silt samples were sifted by using a shaking machine with 80-mesh stainless steel sieves. The plus 80-mesh fraction was rejected and the mimus 80-mesh fraction was transferred into a new bag for analysis later.

2. Methods of Digestion

- (a) 0.50 gram of the minus 80-mesh samples was used. Samples were weighed out by using a top-loading balance.
- (b) Samples were heated in a sand bath with nitric and perchloric acids (15% to 85% by volume of the concentrated acids respectively).
- (c) The digested samples were diluted with demineralized water to a fixed volume and shaken.

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#### 3. Method of Analysis

Mo, Cu, Pb, Zn, Ag, and Cd analyses were determined by using a Techtron Atomic Absorption Spectrophotometer Model AA4 or Model AA5 with their respective hollow cathode lamps. The digested samples were aspirated directly into an air and acetylene flame. The results, in parts per million, were calculated by comparing a set of standards to calibrate the atomic absorption unit.

4.

The analyses were supervised or determined by Mr. Conway Chun and the laboratory staff.

Eddie Tang VANGEOCHEM LAB LTD.

ET:mb





