BRITISH COLUMBIA The Best Place on Earth	- - ~iiji	T R T
Ministry of Energy, Mines & Petroleum Resources Mining & Minerals Division BC Geological Survey		Assessment Report Title Page and Summary
TYPE OF REPORT [type of survey(s)]: PROSPECTING		TOTAL COST: \$1,390.
AUTHOR(S): Randy J. Marko	SIGNATURE(S):	m.
NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): September 23, September 24, September 23, September 24, Sep	eptember 24	YEAR OF WORK: 2013
STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(s): 5469813 September 30,	2013
PROPERTY NAME: Cronin		1
CLAIM NAME(S) (on which the work was done): Zack 6		
COMMODITIES SOUGHT: Silver MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 093L 127		<u>.</u>
MINING DIVISION: Omineca	NTS/BCGS: 93L/096	
LATITUDE: 54 ° 55 '23.5 " LONGITUDE: 126	<u>47</u> <u>55.2</u> " (a	at centre of work)
OWNER(S): 1) Randy J. Marko	2)	
MAILING ADDRESS: 4723 Morris Rd. Telkwa, B.C. V0J-2X3		
OPERATOR(S) [who paid for the work]: 1) Randy J. Marko	2)	
MAILING ADDRESS: 4723 Morris Rd. Telkwa, B.C. V0J-2X3		
PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structu Lower and Middle Jurassic Red Rose Formation Middle Albi		
boulangerite tetrahedrite pyrite chalcopyrite		
		<u>5</u> 2
REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT	REPORT NUMBERS: 093L 127	

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
EOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
EOPHYSICAL (line-kilometres)			
Ground			
-			
GEOCHEMICAL number of samples analysed for) Soil			
Cilt			
Rock 2		Zack 6	\$100
Other			
DRILLING			
total metres; number of holes, size)			
RELATED TECHNICAL			
Sampling/assaying			
Mineralographic			
Metallurgic			
ROSPECTING (scale, area)1.5 kn	n2	Zack 6	\$1,120
REPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/tr			
Trench (metres)			
Other Fuel		Zack 6	\$170
ж. К		TOTAL COST:	\$1390

Prospecting Report

On the

BC Geological Survey Assessment Report 34546

Zack 6 Claim (Cronin Property)

Omineca Mining Division

93L/096

54°55'23.5" North Latitude 126°47'55.2" West Longitude

By

Randy Marko

December 2013

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Introduction

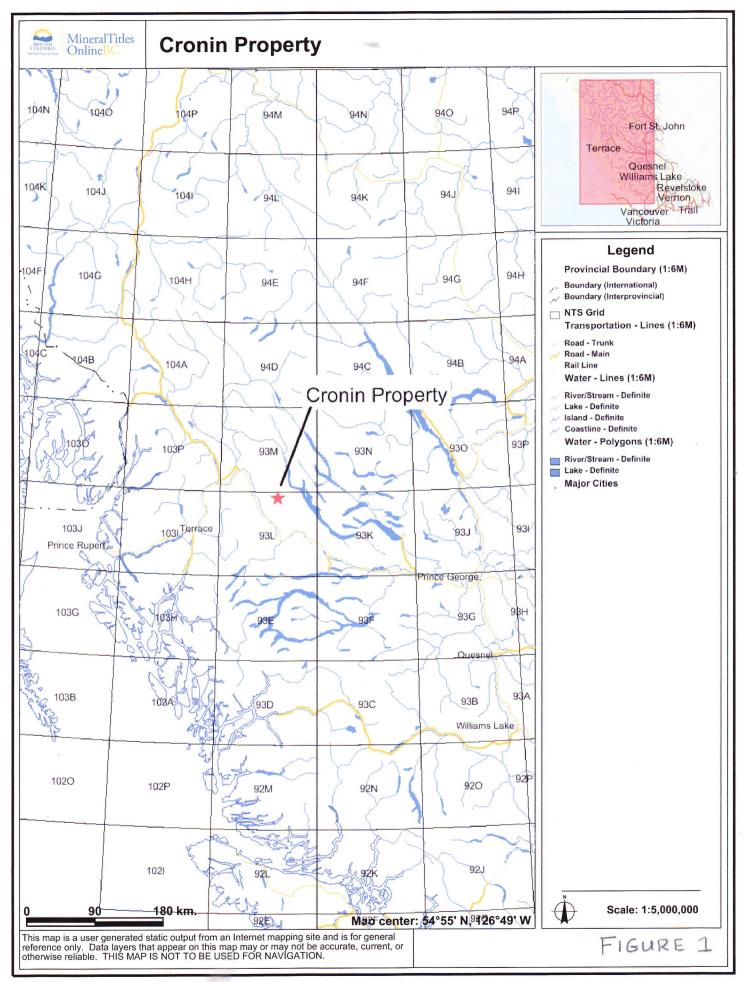
This prospecting report is a compilation of information, observations, and data that was gathered from *the compared separate visits to the Cronin property by Randy Marko and Len Maillot on the dates of September 23rd and September 24th, 2013.*

Location and Access

The Cronin property is located approximately 28 km NE of Smithers, BC in the Omineca Mining Division. The centre of the Zack 6 claim is located at 54°55'23.5" North Latitude, 126°47'55.2" West Latitude. The property can be accessed from Smithers, BC by taking the Babine Lake Road to km 34, and then hiking up the Cronin trail for an additional 18 kms to the property.

Physiography, Climate and Vegetation

The claim is situated in the Babine Mountains, on the north slopes of the Cronin Creek valley (see figure 2). The climate is that of an interior mountain snow belt, with heavy winter snowpack, and snow squalls possible any month of the year as the elevation of the property ranges between 1,100 and 2,100 metres. The vegetation on the lower part of property consists of over mature spruce and balsam stands of timber. At the higher elevations alpine flats are intersected by talus slopes and cliffs.

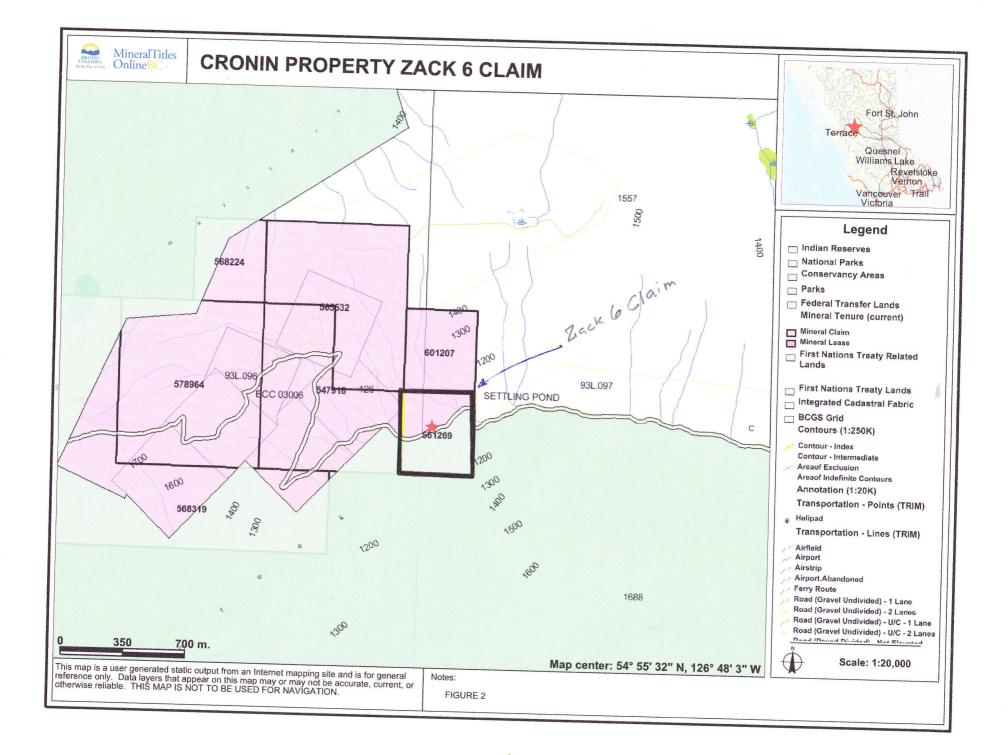


Claim and Ownership

The Zack 6 claim is part of a larger contiguous block of claims known as the "Cronin Property" (see figure 2). The claim is owned by Randy Marko and is in good standing. It covers an area of 18.59 hectares as indicated in Table 1 below.

Table 1

Tenure Number	Claim Name	Owner	Good to Date	Status	Area
561269	ZACK 6	201917 (100%)	18 Aug 2014	Good	18.59 ha



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Exploration History

The Zack 6 claim is located near the previous underground workings of the past producing Cronin Mine. The discovery and the production data is included here. The following is a brief summary of the mine history.

The Cronin Mine has had a fairly extensive history that has been well documented elsewhere (e.g. Livgard 1972, Trenholme 1977) and is summarized below from a variety of sources.

- 1905 Discovery by prospectors from Hazelton
- 1908 Property purchased by James Cronin
- 1908 1925 Mr. J. Cronin develops the mine with approximately 4000 feet of lateral workings at a cost of approximately \$250,000. Mr. Cronin considered he had the property ready for mill construction at his untimely death in 1925.
- 1928 The property was obtained from Mr. Cronin's estate and Babine Bonanza Metals Ltd. Was formed but the onset of the depression halted further work.
- 1948 New Cronin Babine Mines Ltd. Was formed and constructed a 50 ton per day mill.
- 1952 Production commenced, producing over 3,000 tons before shutting down due to low metal prices.
- 1956 Mining and milling resumed, producing over 10,000 tons.
- 1970 Mr. P. Kindrat purchased the property and continued production.
- 1971 Property optioned from Kindrat by Messrs. J. Wilson, F. Messner and M. Messner.
- 1972 The option along with adjoining claims held by the Messners was assigned to Hallmark Resources Ltd.
- 1973 Hallmark refurbished the mill and camp and placed the property back into production, milling over 1800 tons of ore. Prospecting identified several new veins.
- 1974 Drifting along the #1 level.

- 1975 Property optioned to Coca Minerals Ltd. Who were looking for bulk tonnage open pittable reserves. They drilled 10 surface diamond holes totalling 1,530 metres into the Wardell Zone identifying a small high grade body of mineralization, but no large tonnage body. The option was terminated.
- 1977 Underground work on the Cronin Mine, including drifting and raising. Detailed underground mapping and channel sampling and surface mapping completed.
- 1980-1981 Small amount of underground work took place on the #1 level.
- 1983 Goldsil Mining & Milling Inc. optioned the property. Extensive underground sampling and some surface diamond drilling; 14 holes totalling 1,582 feet. This work confirmed and improved the reserves previously known.
- 1987 Southern Gold Resources ltd. acquired an option on the property.
- 1998 All Crown granted claims were forfeited and ownership reverted to the Crown.
- 2001 Cronin claims re-staked by Thomas Carpenter.
- 2006 Claims were abandoned and forfeited to the Crown.
- 2006 New mineral tenures were staked by Randy Marko and held in good standing until present.

Year	Tonnes	Tonnes	Gold	Silver	Copper	Lead	Zinc	Cadmium
	Mined	Milled	(grams)	(grams)	(kg)	(kg)	(kg)	(kg)
1917	72	0	0	132,405	0	26,064	0	0
1929	27	0	0	21,368	0	6,214	7,765	0
1951	55	0	93	62,486	0	12,789	16,162	0
1952	3,184	0	871	740,998	0	121,867	128,133	1,702
1956	3,810	3,810	1,244	1,436,554	0	294,727	275,443	3,457
1957	5,368	5,368	1,959	2,072,237	8,092	317,033	384,805	4,891
1958	112	0	187	191,874	0	31,969	30,909	0
1959	907	0	342	302,197	0	49,013	36,910	440
1960	921	0	498	281,607	0	41,603	34,474	430
1961	1102	0	467	360,266	0	53,054	48,364	625
1963	328	328	218	108,798	0	14,037	18,809	255
1964	454	454	249	170,227	0	27,649	41,592	476
1965	703	703	156	379,892	0	63,472	88,967	1,167
1966	907	907	218	312,430	0	50,315	80,396	1,040
1967	680	680	187	145,407	0	33,595	47,523	495
1969	272	272	62	77,291	0	13,866	15,579	155
1970	1,584	1,584	840	367,015	0	50,508	53,243	650
1971	907	907	435	364,869	0	49,183	72,321	855
1972	907	635	311	275,728	0	44,946	47,642	557
1973	2,994	1,814	342	252,712	1,346	42,062	49,530	509
<u>1974</u>	544	<u>544</u>	<u>93</u>	113,557	<u>956</u>	23,212	39,314	308
TOTALS	25,838	18,006	8,772	8,169,918	10,394	1,367,178	1,517,881	18,012

Table 2: Published Production Data

This calculates to a recovered milled grade of 0.5 g/T gold, 454 g/T silver, 7.6% lead and 8.4% zinc.

 Table 3: Ore Reserve Estimate (Most Recent)

Date	Classification	Metric Tons	Total	g/T Au	g/T Ag	% Pb	% Zn
12/1983	Indicated	317,000	317,000	1.7	354.4	8.0	8.0

(source minfile 093L127)

Regional Geological Setting

"The Smithers map area is underlain by the Lower and Middle Jurassic essentially volcanic Hazelton Group, by the Middle and Upper Jurassic mainly sedimentary Bowser Lake Group, by the volcanic and sedimentary Lower Cretaceous Skeena Group, and by the Tertiary volcanic Endako and Ootsa Lake Groups. The early Jurassic Topley Intrusions cut the lower part of the Hazelton Group and a variety of intermediate to acidic plutons of Late Cretaceous to Eocene age intrude most older units throughout the area. Structurally the area is dominated by a multitude of steep normal faults. Few contacts between map units are unfaulted and these are mainly intrusive or contacts between younger map units. Folding is commonly only in the few sedimentary units and is spatially and genetically related to the Eocene thrust faults." (Tipper 1972)

Property Geology

In the vicinity of the property, the principal rock types consist of the following, using Tipper and Richards nomenclature:

To the east lies the Jurassic Ashman Formation, part of the Bowser Lake Group, considered to be of Upper Bajoclan to Lower Oxfordian age, and consisting of dark grey to black shale, quartzose sandstone, greywacke and chert pebble conglomerate. This is overlain to the west by Cretaceous sediments and volcanics of the Skeena Group; including the Red Rose and Brian Boru Formations. The Red Rose Formation is of Middle Albian age and comprises black to dark grey shale, chert pebble conglomerate and minor micaceous greywacke. In the vicinity of the rhyolite intrusives this unit is frequently intensely sericitized and highly foliated. The overlying Brian Boru Formation is of vari-coloured porphyritic tuffs, breccias and flows. In the field this unit is quite distinctive as a variety of fresh looking feldspar porphyry andesites, with phenocrysts ranging up to one centimetre, and volcanic agglomerates.

Mineralization

Sulphide mineralization occurs in quartz stockworks, quartz infilling in faults, along fractures or as disseminations in the intrusive. The mineralized veins are results of two sinuous faults which strike northeasterly and dip moderately westward. The quartz veins exposed in the workings range in width from 0.3 to 1.0 metres. Striking northeast and dipping 45 to 65 degrees to the northwest. Mineralization occurs as pods up to 40 metres long by 6 metres wide within the main fault system. There is a distinct zoning of minerals within the pods; galena, boulangerite and tetrahedrite are concentrated near the fault plane with the sphalerite spread out into the altered and brecciated wallrock. Pyrite and chalcopyrite occur erratically throughout the vein system.

(source minfile 093L127)

Work Completed 2013

The following is a compilation of observations in field notes covering claim visits:

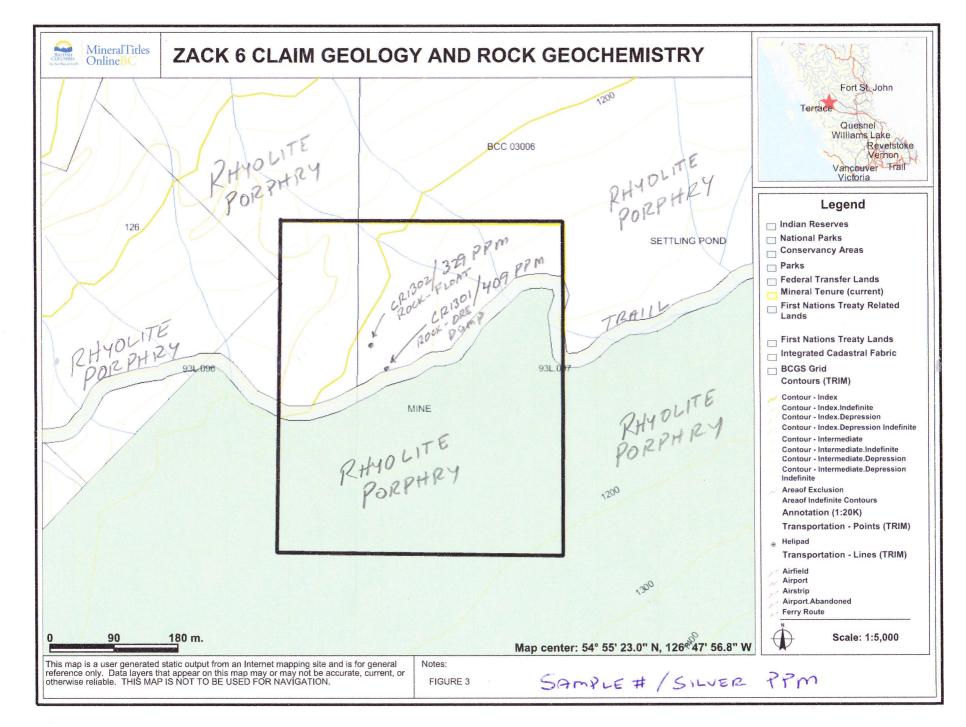
September 23: We accessed the Zack 6 claim by travelling from Smithers 34 km north by pickup truck to the Cronin mine turnoff. At this point we proceeded on mountain bikes for approximately 15 km to claim boundary. Observations were limited due to an early winter snowfall of approximately 5 cm on portions of the claim. Our focus was primarily on an area located just north of the old mine site (see Figure 3). A large stockpile of approximately thirty tonnes of ore was located there. We took a typical ore sample that was mineralized with galena in a quartz vein with minor pyrite content (sample CR1301). We then followed the existing trail further up on the claim and focused on locating visible outcrops of bedrock. No bedrock outcrops were observed and area was covered with overburden and was heavily treed with balsam and spruce forest. Temperature rose in the afternoon to approximately 5° C. We decided to return the next day to attempt further exploration, hoping that the snow would be melted by then.

September 24: Returned back to Zack 6 claim to find snowfall seventy five percent melted. Upon closer inspection of the slopes immediately behind the ore dump where sample CR1301 had been taken the day before, we observed what appeared to be a caved-in adit. The adit was approximately thirty metres upslope from the ore dump. Portions of mine track were protruding from the overburden. At this point we began exploring this area which had some larger pieces of quartz exposed. We uncovered a large portion of a quartz bolder (approximately 1 m x 1 m) that appeared to be bedrock. It was mineralized with approximately five percent galena. At this location we took rock sample CR1302 from the bolder. We recorded the sample as float, pending confirmation that it was, in fact, bedrock. We plan to return with more suitable trenching equipment in the future, to determine boulder's origin.

Rock samples were collected from one mineralized area on the property in order to explore for potential economic mineralization. The samples include one float sample (CR1302), and one typical ore dump sample (CR1301). Samples were collected in plastic sample bags, and sample locations were recorded by GPS. Sample locations are marked with flagging tape. The samples were sealed in bags with security tags and taken to Acme assay lab in Smithers, British Columbia.

At the laboratory, the samples were dried, crushed and pulverized using standard rock preparation procedures. Quality control at the laboratory is maintained by internal standards and re-assaying duplicate samples from each analytical batch.

Full analytical results are in Appendix I. Sample locations and results are plotted by sample number in Figure 3.



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Conclusions

After visiting the Zack 6 claim, taking and evaluating sample assays, the author concludes that this claim also has the potential to contain economic silver mineralization, and definitely warrants further exploration. If the quartz boulder is indeed bedrock it could be an extension of the mineralized system that occurs on other areas of the Cronin property. Plans for 2014 include trenching in the area of sample CR1302 to arrive at a conclusion.



Acme Analytical Laboratories (Vancouver) Ltd. 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA PHONE (604) 253-3158

CERTIFICATE OF ANALYSIS

CR

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Return

Return

CLIENT JOB INFORMATION

www.acmelab.com

Client:

Randy Marko 4723 Morris Rd. Telkwa BC V0J 2X3 CANADA

Submitted By:	Randy Marko
Receiving Lab:	Canada-Smithers
Received:	December 03, 2013
Report Date:	December 19, 2013
Page:	1 of 2

SMI13000444.1

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure	Number of	Code Description	Test	Report	Lab
Code	Samples		Wgt (g)	Status	
R200-250	2	Crush, split and pulverize 250 g rock to 200 mesh			SMI
G6	2	Lead collection fire assay fusion - Grav finish	30	Completed	VAN
XWSH	2	Extra Wash with Glass between each sample			VAN

ADDITIONAL COMMENTS

RIRN-PLP
RTRN-RJT

Number of Samples:

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To:

Randy Marko 4723 Morris Rd. Telkwa BC V0J 2X3 CANADA

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

SAMPLE DISPOSAL

Project:

Shipment ID: P.O. Number

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Acme Analytical Laboratories (Vancouver) Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA PHONE (604) 253-3158

QUALITY CONTROL REPORT

	Method Analyte Unit MDL	WGHT Wgt kg 0.01	G6Gr Ag gm/t 50
Pulp Duplicates	don manifesta da construction de la construction de la construcción de la construcción de la construcción de la		
CR 1301	Rock	0.63	409
REP CR 1301	QC		429
Reference Materials			
STD AGPROOF	Standard		95
STD SP49	Standard		59
STD SP49	Standard		59
STD AGPROOF Expected			94
STD SP49 Expected			60.2
BLK	Blank		<50
BLK	Blank		<50
Prep Wash			
G1-SMI	Prep Blank		<50

 Client:
 Randy Marko

 4723 Morris Rd.

 Telkwa BC V0J 2X3 CANADA

 Project:
 CR

 Report Date:
 December 19, 2013

 Page:
 1 of 1
 Part:
 1 of 1

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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA PHONE (604) 253-3158

CERTIFICATE OF ANALYSIS

	Method	WGHT Wgt kg	G6Gr Ag gm/t
	Analyte		
	Unit		
	MDL	0.01	50
CR 1301	Rock	0.63	409
CR 1302	Rock	0.93	329

Telkwa BC V0J 2X3 CANADA Project: CR Report Date: December 19, 2013

2 of 2

Randy Marko 4723 Morris Rd.

Client:

Page:

Part: 1 of 1

SMIN3000444.

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Qualifications

- 1. I, Randy Marko, was born in the Province of British Columbia on June 5, 1963 and currently reside near Smithers, B.C. I am a prospector that is actively involved in searching for mineral showings that have potential economic value.
- 2. I worked in the field of mining exploration for the summer seasons of 1979 and 1980 for Bethlehem Copper Corporation. I was trained by geologist staff in the areas of rock and mineral identification, proper sampling techniques, compassing and mapping of traverses, and sample locations.
- 3. I was employed by Cominco for the summer season of 1981 and was further trained with drafting department in Vancouver, B.C. My duties included mapping assay results in composite maps for review by senior staff.
- 4. I attest that all information contained in this prospecting report is, to the best of my knowledge, true and care was taken to ensure the accuracy of the information presented herein.

Randy John Marko

FMC #201917

Bibliography

- Borovic, I. (1979): Report on Examination and Evaluation of the Cronin Mine, Smithers, B.C. (Report to Hallmark Resources Ltd.)
- Borovic, I. (1985): Summary Report, April 15, 1985.
- B.C. Ministry of Mines: Geology, Exploration and Mining, 1970-1977.
- Jones, M.H. (1977): Report on Hallmark Resources Ltd. Cronin Mine Project, Mount Cronin, Smithers Areas, B.C. Omineca, M.D.

Kerr, J.R. (1978): Development Proposal for the Cronin Mine, Smithers, B.C.

- Livgard, Egil. (1972): Feasibility Report on the Cronin Mine for Hallmark Resources Ltd., N.P.L.
- MacKinnon, N.J.R. and Borovic, I. (1985): Valuation Report, Cronin Mine Project, Igna Engineering (Company Report).

Ministry of Mines Annual Reports for 1914, 1917, 1920, 1921, 1927 and 1949.

Payle, G.J., B.C. Geological Survey 1985. Minfile No. 093L 127 (Cronin).

Quin, S.P. (1987), Summary Report, Cronin Mine Project, British Columbia Ministry Of Energy and Mines, Assessment Report 16,721.

Schroeter, T.G., (1975): Cronin Mine, Geology in B.C. 1975, pp. G67-G70.

- Scott and Ikona, (1982): Preliminary Observation and Recommendations for the Cronin Mine Property, Hallmark Resources, (Company Report).
- Smith, R.B. (1984): Report on Drilling Activities on Hallmark Resources Ltd. Mount Cronin Mine (Goldsil Mine and Milling Inc.).

Tipper, H.W., (1971): Smithers Map Area, Geol. Surv. Can. Paper 72-1, A, pp. 39-41.

Tipper, H.W., and Richards, T.A., (1977): GSC Open File 351.

Trenholme, L.S. (1976): Report on the Cronin Mine, Hallmark Resources Ltd. October 15, 1976.

- Trenholme, L.S. (1977): Report on Properties of Hallmark Resources Ltd. March 23, 1977.
- Vollo, N. (1987): Report on the Cronin Mine, Southern Gold Resources Ltd. (Company Report).

Detailed Cost Statement (Zack 6 Claim)

Item	Details	Cost
1. Labour Costs	GPS Traversing & Sampling Work 4 man days @ \$280/day	\$ 1,120.00
2. Fuel	Fuel for pick-up truck	\$ 170.00
3. Lab Costs	2 Rock Sample Assays	<u>\$ 100.00</u>
	Total Cost	\$1,390.00

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