

826651

DESCRIPTIVE REPORT ON THE MINERAL PROSPECTS IN THE COUSIN JACK GROUP, TULAMEEN, B.C.

RECEIVED
JUL 4 1984

PER _____
LTD.

CONTENTS :

- LOCATION
- TOPOGRAPHY
- GENERAL GEOLOGY
- GEOLOGY OF ORE DEPOSITS
- HISTORY AND EARLY DEVELOPMENT
- TRANSPORTATION
- NATURAL RESOURCES, WATER SUPPLY, TIMBER, ETC.
- CLIMATE
- CONCLUSION

BLAKEBURN, B.C., AUG. 27TH, 1934.

BY : W.D. Valiana.

REG. PROF. ENGINEER.

DESCRIPTIVE REPORT ON THE MINERAL
PROSPECTS IN THE COUSIN JACK GROUP, TULAMEEN, B.C.

LOCATION :

The Cousin Jack Group of Mineral Claims as herewith described covers an area of approximately 420 acres. They are located in the Similkameen M.D., Yale District, on Boulder Mt. and on the divide between Elliott and Boulder Creeks, the headwater of Smith Creek being near the outcrop of the principal quartz vein at entrance to prospect tunnel marked No.4 on map. The claims are reached by a good auto road from the village of Tulameen, running alongside the lake for a distance of 4 1/2 miles, thence by a good trail for a distance of 3 miles, the difference in elevation being approximately 1800 ft. *N.T.S. 92 H 10 W*

TOPOGRAPHY :

The country in this area is somewhat rugged, Boulder Mt. being dome-shaped and sloping gradually to Elliott Creek on the north side and to Boulder Creek on the south side. To the east the Mt. drops fairly steep to Tulameen Lake, and on the west the country is mountainous, and drained by several small creeks flowing into the Tulameen River.

GENERAL GEOLOGY :

The mineral deposits of this locality are situated on the north side of Boulder Creek, and extend over the divide northward to Elliott Creek. They were first staked in 1899, and though some of the claims have lapsed, some of them still have the annual assessment work done on them. The country rock consists of soft green schist dipping towards the west and intruded on the east by boulder granite or grano, diorite. The mineral deposits lie in the schists in the neighborhood of the boulder granite, and are intruded on the west by a large olivene diabase dyke running approximately north and south. The country rock of mineral deposits is a soft green schist which is traversed by veins filled with quartz and calcite. Mineralization occurs in the veins themselves and in the wall rock of these veins. In the latter case the ore minerals are disseminated grains which have been introduced by a process of replacement.

GEOLOGY OF ORE DEPOSITS :

The ore minerals are pyrite, chalcopyrite, galena and zinc-blende. The gold deposits in this area carry gold in association with copper, and as proved conclusively in our claims, in association with zinc. They have carried values from \$8.00 to \$20.00 per ton at the base price of \$20.67 per oz. From recent assays the present gold values are in the neighborhood of \$7.00 to \$8.00. From observation of numerous channel samples taken to date there is no free gold present, and it may reasonably be assumed that were gold is present, fairly high values in zinc may be expected also. The lead content is somewhat variable, but from an average of ~~twelve~~ ^{thirteen} samples on the property, the total values average \$15.51 per ton.

HISTORY AND EARLY DEVELOPMENT :

The claims were first staked by an early settler here, named Jack Thynne, in 1904, and as the Government records show, were surveyed for the Boulder Mining Company, by T.W. Groves, P.L.S. in August of the same year. The group originally consisted of seven claims, and considerable prospecting work was done at that time, two tunnels being driven on Lot 263, and another 300 ft. tunnel driven on Lot 266 (not in the present group). The above owners evidently were looking for free gold, but as that was not available, and the nearest railway depot being at Hedley, 30 miles distant, the claims were finally abandoned, also due to the fact that flotation was not perfected as it is today, and furthermore the railway was not constructed in this district at the time. The claims passed through varied ownership, and recently were acquired by Mr. John Osborne, of Tulameen, and myself. The remaining two claims, 266 and 267, are presently owned by Mr. Black, Solicitor, Princeton, B.C. At present the group consists of five crown-granted and surveyed claims, viz., Cousin Jack, Ymir, Morning, Berlin Fraction and Blackbird; and five record claims, viz., Homestead, Canadian Girl, Michigan, Florence and Wisconsin.

TRANSPORTATION :

The transportation would be either by road or aerial tramway. A good truck road can be constructed on a suitable gradient, for approximately

\$5000.00. To handle a large tonnage, it would be necessary to instal an aerial tramway for a distance of 1.7 miles to the Kettle Valley Railway (C.P.R.) . Power for a mill, tram and mining operations would have to be generated at the Otter Lake level. With the proximity of a coal mine, the fuel supply would be very economical by the introduction of automatic stokers. Slack coal can be purchased at the mine for \$2.75 per ton. With small equipment and a road constructed, I think that this property could be put on a paying basis in a very short time.

NATURAL RESOURCES, WATER SUPPLY, TIMBER, ETC. :

Water for domestic use at the mine would have to be stored by means of reservoir during the wet season. There is at present a small supply in a creek near the portal of No.1 tunnel. There is also a well which by deepening would supply a small crew for the present. Otherwise water would have to be pumped from Boulder Creek or Otter Lake.

There is an abundant supply of mine timber on all claims in the group, fir, pine and spruce.

CLIMATE :

The climate might be classed as belonging to the dry belt, the annual precipitation being from 20 to 40 inches, most of which falls in the winter months as snow, and in the spring months as rain. Snow often accumulates to several feet in depth during December and January, while during the summer, July and August frequently pass without much rain. The maximum temperature in the summer is around 90° F., and in the coldest part of the winter - 35° F., but only for a short period.

CONCLUSION :

On Lot 263 continuity and good values have been proven for 550 ft. There are two tunnels on this lot driven 75 ft. and 122 ft. respectively. The tunnels are approximately 300 ft. apart, and continuity is proven 100 ft. south of first tunnel and 150 ft. north of second tunnel. 80 ft. from the portal of No.2 tunnel is a 6 ft. lead cross-cut at a depth of 50 ft., and towards the face are two small fissure veins 18 in.wide. Also at the portal of this tunnel is a six to eight foot

vein where good values are obtained. No.2 vein on Lots 263 and 264 has been open-cut in two places with the gossan showing for 700 ft. No.1 vein on Lot 269 has been tapped by a shaft 35 ft. deep. The gossan shows for a considerable distance north and south of this point.

This property requires additional capital for development work, and can be purchased at a reasonable figure. \$25000.00 is asked, \$2500.00 cash, balance over three years, or will take part stock, or percentage or royalty, as the mine develops. With the average values as shown on the enclosed map, I cannot see why this would not be a profitable investment.

REPORT BY :

W. D. Vallance.

Reg. Prof. Engineer.

In compliance with By-law 27, Canadian Institute of Mining and Metallurgy, I must state that I am interested in this property to the extent of 20%.

Average of channel samples available.

Au.	Ag	Zn	Pb.
.176oz	.786oz.	8.747.	3.18%
\$5.98	35¢	6.96	2.22 = \$15.51

Au Ag Zn Pb
 .22oz. .90oz 14.7% 2.4%

Shaft 35' Deep. Dump 15 Tons Ore.

Lot 269 Berlin Fr.

Lot 264 Yarr.

Open Cut. Au - Ag - Zn - Pb
 0.12oz 0.3oz 2.5%

Au Ag Zn Pb
 0.12oz 0.3oz 4.8%



Au Ag Zn Pb
 0.18oz 0.18oz 4.3%

Lot 263 Cousin Jack

Au Ag Zn Pb
 0.24oz 2.1oz 17.6% 13.5%

Dump 30 Tons Ore

Lot 268 Blackbird

No. 1 Tunnel 75' Ore

Dump 30 Tons Ore

Wisconsin

Cousin Jack Group M.C.
Sketch
showing Vein System.
in probable shear zone.
Not to Scale.

Legend.

- Gneiss
- Schisted Granstone
- Probable Fault
- Geological Boundary
- Vein
- Strike & Dip
- Crown Granted Claims
- Record Claim

W. W. Vallance
 Reg. Prof. Engr.
 Blakeburn B.C.
 Aug 25/34

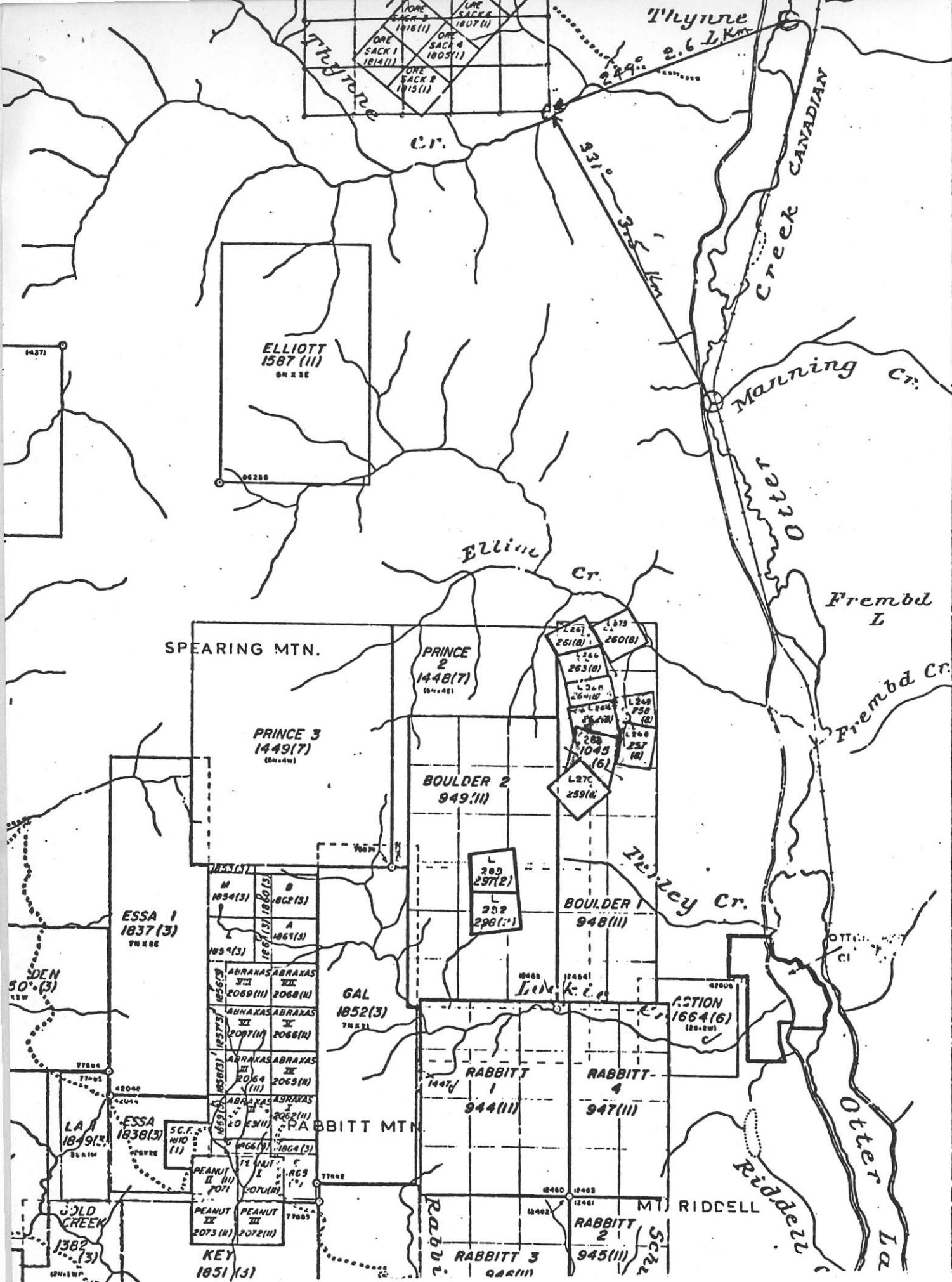
Mining Division
 District.
 Act. N.
 Similkameen
 Yale

Granodiorite

Contact

Creek

with



LEGAL SURVEY
 LEGAL CORNER POST & TAG NUMBER 02333

TO EAST 26 P.M. SEE EAST 01



DATE OF
 CONCERNED

Rabbitt Property, Tulameen, B.C.

The following is a representative list of assay values from sampling, by various parties, of the different properties and showings which are now part of Brican Resources Ltd. Rabbitt property.

<u>Property/Showing</u>	<u>Sample Type/Width</u>	<u>Au oz/t</u>	<u>Ag oz/t</u>	<u>Cu%</u>	<u>Pb%</u>	<u>Zn%</u>	<u>Remark</u>
BERLIN	rep. panel	0.175	0.43	-	-	-	open cut
	1'6" chip	0.16	1.4	-	12.9	18.6	trench
	5'6" "	0.02	Tr	-	nil	3.1	"
	1'4" "	0.07	Tr	-	nil	4.8	"
	1'6" "	0.20	0.50	-	-	-	shaft collar
	rep. grab	0.16	0.8	-	0.20	0.55	trench
	"	0.14	0.8	-	0.18	1.50	"
	"	0.21	3.3	-	26.35	6.05	"
YMIR	5' chip	Tr	0.2	-	nil	6.7	trench
	5' core	0.07	0.13	0.06	0.48	1.64	73-15
	5' core	0.03	0.02	0.04	0.10	1.50	73-16
COUSIN JACK	4'6" chip	0.05	0.2	-	nil	2.3	trench
	5'10" "	0.05	0.4	-	nil	4.2	"
	grab, dump	0.32	1.5	-	nil	19.1	shaft
	4'6" chip	Tr	Tr	-	nil	2.4	trench
	6' "	0.15	0.6	-	-	-	"
	grab, dump	0.20	0.10	-	0.7	-	shaft
	2' chip	0.16	Tr	-	0.15	1.15	trench
	2' "	0.54	0.80	-	0.25	7.45	"
	4' "	0.23	1.20	-	6.22	15.33	"
	6' "	0.12	0.60	-	-	-	"
	45' core	0.013	0.10	0.09	0.22	1.90	73-13
	incl. 5'	0.03	0.05	0.06	0.52	4.55	
	40' core	0.05	0.24	0.07	0.92	2.81	73-14
	incl. 5'	0.20	0.41	0.07	0.98	3.86	
	5' core	0.21	0.36	0.11	1.14	6.10	73-20
	?	-	-	-	1.60	12.50	trench
3' chip	0.236	0.99	-	-	-	trench	
3' chip	0.120	0.45	-	-	-	"	
random chip	0.270	0.54	-	-	-	"	
"	0.220	0.55	-	-	-	"	
INTERNATIONAL/ CONSTITUTION (SOUTH COPPER) (down-dip?)	5' chip	Tr	0.6	6.2	-	-	
	5' chip	0.005	1.36	8.20	0.06	0.05	
	random	0.003	0.06	1.72	-	-	"wall rock"
	grab	0.001	<.22	-	-	-	qtz str.
	110' core	-	-	1.47	-	-	72-1

Property/Showing	Sample Type/Width	Au oz/t	Ag oz/t	Cu%	Pb%	Zn%	Remark
INTERNATIONAL/ CONSTITUTION (SOUTH COPPER)	7' core	-	-	1.29	-	-	73-1
	5' core	-	-	1.74	-	-	73-3
	rep. grab	Tr	0.10	0.10	-	-	HW
	"	0.004	1.80	15.40	-	-	mass. sulph.
	"	Tr	1.14	8.36	-	-	"
	"	Tr	2.36	20.80	-	-	"
	"	Tr	2.56	15.10	-	-	"
	5' core	Tr	0.22	1.25	0.01	0.02	78-1
	27' chip	-	-	3.40	-	-	trench
18' "	-	-	5.45	-	-	"	
18' "	-	-	1.64	-	-	"	
THYNNE	10" chip	Tr	Tr	0.6	-	-	trench
	grab	Tr	0.10	0.27	Tr	Tr	"
	"	Tr	0.09	0.65	Tr	0.01	"
	"	0.002	0.21	1.13	Tr	Tr	"
	"	Tr	0.16	1.60	Tr	Tr	"
	"	Tr	0.11	0.27	Tr	Tr	"
SHAMROCK	6' chip	Tr	0.1	0.4	-	-	trench
	? grab	0.005	0.42	2.88	<.01	0.01	"
	"	0.012	0.73	7.45	Tr	0.03	"
	"	Tr	0.38	1.62	Tr	0.08	"
RED BIRD	4' chips	Tr-0.03	0.6-0.8	2.4-3.1	-	-	various samples
	3' chip	Tr	2.6	2.2	-	-	winze
	3' "	0.02	1.1	3.38	-	-	"
	1' "	Tr	-	-	-	-	HW
	3'6" "	0.02	0.8	2.4	-	-	"
	12' chip	0.03	-	-	-	-	ppy dyke
	grab, dump	Tr	0.6	3.1	-	-	winze
	3' chip	0.005	1.04	2.35	0.12	0.10	portal
	rep. grab	0.012	7.56	7.45	nil	0.03	"
	3' chip	1.02	1.1	-	-	-	"
	grab	0.014	1.30	1.61	0.11	0.02	"
"	0.019	1.86	2.25	0.03	0.02	"	
3' chip	0.005	1.04	2.35	0.12	0.10	"	
SPOKANE/ MOTHERLODE	grab	Tr	0.6	2.46	-	-	sorted ore
	"	0.02	0.4	2.24	-	-	"
	"	0.003	0.29	1.71	Tr	1.02	dump
	"	0.003	0.28	1.55	Tr	0.95	"
	"	0.005	0.42	0.38	-	0.01	"
HILLTOP (LLOYD GEORGE)	16.4' chip	-	-	1.64	-	-	cat trench
	grab	Tr	0.03	0.18	Tr	0.07	wall rock
	"	Tr	0.48	3.46	Tr	2.07	trench