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Report on the
Lloyd - Nordik Claims
Likely Area
Cariboo Mining Division
52⁰33' N. Latitude; 121⁰34' W. Longitude
for
Big Valley Resources Ltd.
by
John R. Poloni, B.Sc., P.Eng.
July 25, 1985

John R. Poloni & Associates Ltd.
1512B - 56th Street
Delta, B.C.
V4L 2A8

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1.0 Summary and Conclusions

The Nordik and Lloyd claims are located in close proximity to the E. and B. Explorations Inc. Cariboo-Bell project where drill reported reserves of 117 million tons grading 0.31% copper and 0.012 gold oz per ton have been indicated.

Little exploratory work has been undertaken on the claims but, previously, indications of anomalous copper and gold mineralization have been obtained in reconnaissance work by Amex Explorations and L. Tattersall respectively. One sample taken by the writer returned 0.059 oz/T Au, 0.26 oz/T Ag and 1.49% Cu.

The claims cover Polymictic volcanic breccia, trachybasalt flows and flow breccias, volcanic conglomerate and possibly units related to the alkalic intrusive complex of Polley Mountain, all part of the Quesnel Trough.

Preliminary exploratory surveys of geochemistry, geology, and geophysics are recommended on the claims at an estimated cost of \$101,000.00 with additional work to be success contingent.

2. Introduction

The Lloyd - Nordik group of claims is situated west of Quesnel Lake straddling to the north, northwest, and east the Cariboo-Bell copper-gold deposit located on Polley Mountain. The property consists of 143 units with the Nordik 1-5 being a restaking of the old Nordic 1-5 claims, previously located in 1981.

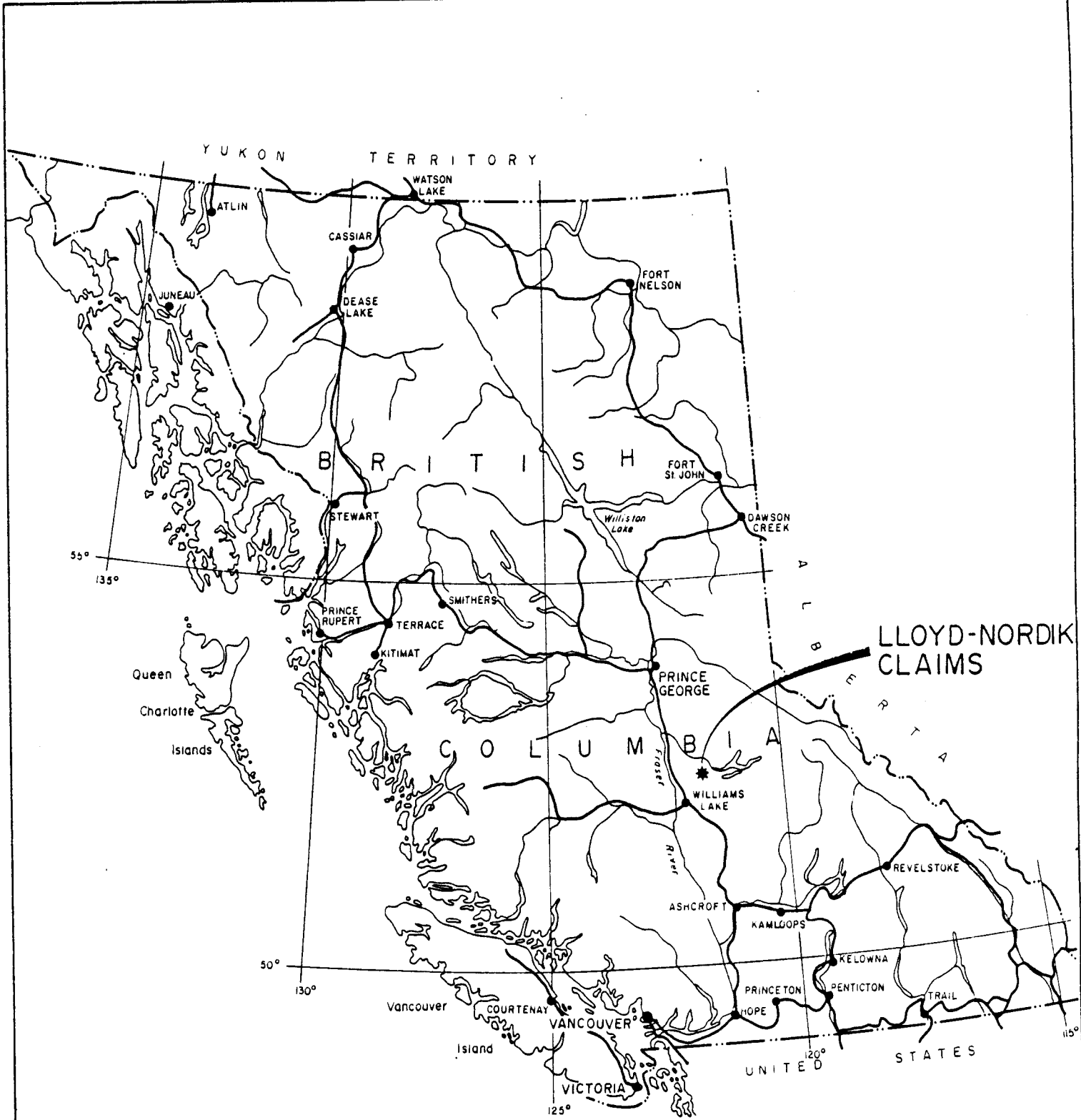
Interest in the area was initiated in 1964 by the investigation of magnetic anomalies on Polley Mountain indicated on the Hydraulic Map Sheet 1533 G-A-12. This led to the discovery of the Cariboo-Bell copper gold deposit presently controlled by E. & B. Exploration Inc.

The writer first visited the claims with Mr. L. Tattersall on October 21, 1982 and reported on the property on November 13, 1982. An additional visit was made on July 10, 1985 to examine the Lloyd and Nordik claims.

This report requested by Mr. L. Tattersall of Big Valley Resources Inc. summarizes the exploratory history of the claims and makes recommendations for additional work.

Location Map

Plan No. 1

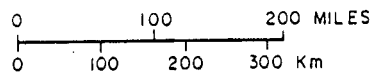


J. Poloni

BIG VALLEY RESOURCES INC.
 LLOYD-NORDIK CLAIMS
 PROPERTY LOCATION MAP
 CARIBOO MINING DIVISION
 BRITISH COLUMBIA

JOHN R. POLONI & ASSOCIATES LTD.

Drawn: J.R.P.	Checked: J.R.P.	Plan No.
Scale: As shown	Date: July 25, 1985	1



3.0 Location and Accessibility

The Nordik and Lloyd claims are situated about six kilometers southwesterly of Likely, British Columbia at 52°33'N Latitude, 121°34' W. Longitude, west of Quesnel Lake near Polley Mountain.

Williams Lake, the nearest location for exploration supplies and commercial air travel is located 64 miles west of Likely via paved highway.

The property is accessible from Likely by travelling along the Ditch road which runs along the west shore of Quesnel Lake, or the Polley Lake Road, which leaves the Likely - Williams Lake road five kilometers west of town.

4.0 Claim Information

The claims were located by Lloyd Tattersall and Rick Mathews during the first week of June 1985. Claim data is as follows:

<u>Name</u>	<u>Location Date</u>	<u>Record No.</u>	<u>Units</u>
Lloyd #1	June 7, 1985	6881	15
Lloyd #2	June 8, 1985	6882	20
Nordik #1	June 1, 1985	6883	20
Nordik #2	June 2, 1985	6884	20
Nordik #3	June 3, 1985	6885	20
Nordik #4	June 4, 1985	6886	16
Nordik #5	June 5, 1985	6887	18
Nordik #6	June 6, 1986	6888	14

4.0 Claim Information, cont'd.

The writer examined the legal corner posts for the Nordik #1 and Lloyd #1 claims on July 10, 1985.

5.0 Physical Features

The claims cover partially logged moderately gentle terrain situated between Polley and Quesnel Lakes and the northern slopes of Polley Mountain. Elevations range from 2,386 feet above sea level at Quesnel Lake to approximately 4,000 feet at the height of land.

Road access is provided by the "Ditch Road" and subsidiary connecting logging roads.

Heavy snowfall in winter and frequent summer rains are typical of the precipitation of the area.

Accommodation for field crews are provided by Mr. L. Tattersall at a camp at Beaver Valley.

6.0 History

Recent history of the area dates to the discovery of copper-gold mineralization on Polley Mountain on the Cariboo-Bell property of E. & B. Explorations. This discovery was made as a result of the follow-up of magnetic anomalies indicated on the Hydraulic Map Sheet in 1964.

6.0 History, cont'd.

A limited amount of soil and rock geochemistry completed by Amex Exploration as part of a regional program over terrain presently covered by the Nordik claims indicates copper geochemical anomalies which require further definition.

In the last few years the Quesnel Trough has been subjected to increased exploration activity on the strength of the discovery of the QR gold deposit and the release of regional geochemical data by the Provincial Minister of Energy, Mines, and Petroleum Resources. Numerous claims were located in 1981 through 1984.

Several drilling programs were conducted on properties in the area during 1981-83 including Fraser gold (Eureka Resources/Amoco), Megabuck (Placer Development) and Jamboree (Monte Cristo Resources/E. & B. Inc.).

The Cariboo-Bell deposit situated about 9 km. southwest of Likely, B.C. was recently reported by E. & B. Exploration to contain drill indicated mineable reserves of 117 million tons grading 0.31% copper and 0.012 Au oz/Ton, including a higher grade zone totalling 30 million tons grading 0.38% copper and 0.018 Au oz/Ton. Mineralization is described as being confined to high level intrusive "Crackle Breccia" zones within an alkalic laccolith of early Jurassic age.

On the Nordik claims, Mr. L. Tattersall collected thirteen rock samples from road cuts in 1980-81 as described by Woodsworth B. on May 7, 1981. Of these, five samples, numbers 1, 2, 7, 9, and 11

6.0 History, cont'd.

showed interesting gold values of 0.036, 0.020, 0.034, 0.074 and 0.024 Au oz/Ton, respectively.

Recently, the writer collected two rock samples as representative grabs of rock cuts and trenches. These are described as follows:

	<u>Au</u> <u>oz/T</u>	<u>Ag</u> <u>oz/T</u>	<u>Cu</u> <u>%</u>
<u>L-1</u> Road cut on Lloyd #2 claim. Fe stained ochred material in andesitic porphyry fine pyrite.	0.004	0.05	0.03
<u>L-2</u> Trench on Lloyd #2 claim. Malachite stained volcanic.	0.059	0.26	1.49

7.0 Geology

The Quesnel Trough is a northwesterly striking belt of early Mesozoic volcanic and sedimentary rocks which is approximately 35 km. wide and extends from Canim Lake on the south to the town of Quesnel on the north. The Trough is fault bounded on the west by Paleozoic rocks of the Cache Creek Group, and on the east by older Paleozoic and pre-Cambrian units.

In the Likely area the Trough is composed of alkalic volcanic, volcanoclastic and sedimentary rocks intruded by comagmatic stocks and dyke complexes. To the east the sequence represents a back-arc basinal facies which is overlain by a succession of augite

7.0 Geology, cont'd.

porphyry flows and breccias which in turn is overlain by volcani-clastics and argillites of upper Triassic and Lower Jurassic age.

The known mineral deposits on Polley Mountain occur in an alkalic intrusive complex which is a multiple laccolith about 6 km. long and 2-3 kms. wide in a northwesterly direction consisting of six lithologic phases, syenodiorite, monzonite, porphyry, intrusion breccia and pyroxenite/gabbro, Copper - gold mineralization occurs in "crackle breccia" which is superimposed over the intrusion breccia forming a series of randomly orientated irregular pods, veins and stringers containing magnetite, chalcopyrite, gold, silver, and associated alteration minerals.

8.0 Exploration Potential

The Nordik and Lloyd claims cover polymictic volcanic and trachybasalt flow breccias and possibly porphyry and related units of the alkaline intrusive complex, respectively.

Little detail work has been undertaken, and observations are related principally to minimal rock and soil geochemical reconnaissance type examinations.

On the strength of proximity to the Cariboo-Bell deposit, the presence of strong +5000 gamma magnetic response, very interesting copper geochemical soil anomalies obtained by Amex in regional surveys, and rock analysis for copper and gold showing values as high as 1.49% Cu and 0.074 Au oz/Ton, detailed preliminary explora-

8.0 Exploration Potential, cont'd.

tory surveys are warranted on the Nordik and Lloyd claims.

9.0 Recommendations

Detailed exploratory surveys of geochemistry, geophysics, and geology are recommended for the Nordik and Lloyd claims. Previously indicated copper soil geochemical anomalies are to be relocated and defined in detail by geochemistry and geology over a control grid.

Areas of anomalous gold response in rock samples are to be further examined by geochemistry, geology, and rock sampling.

Geophysical surveys of magnetometer, VLF-EM, and possibly Induced Polarization are to be success contingent. Drill testing will follow if warranted.

Appendix A

Estimated Cost of the Recommended
Surveys

COST ESTIMATE

Phase 1

1. Survey Grid - Reconnaissance type, chain & compass along claim lines. Detailed survey trench area north of Mount Poly Lloyd #2 - soil and rock sampling and analysis	\$ 20,000.00
2. Transportation, air fares, fuel	2,000.00
3. Geological mapping, magnetometer survey over anomalous areas	6,000.00
4. Consulting & contingencies 10%	<u>3,000.00</u>
Total Phase 1	\$ 31,000.00

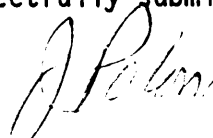
Phase 2

These surveys are contingent on the success of preliminary surveys and will include, additional soil geochemistry, detailed geology, dozer trenching, geophysics VLF-EM and possibly, drill testing.

Estimated Cost, Phase 2 \$ 70,000.00

THUS TOTAL BOTH PHASES \$101,000.00

Respectfully submitted,



John R. Poloni, B.Sc., P.Eng.

Appendix B

References

REFERENCES

- 1.0 Minister of Energy, Mines and Petroleum Resources Reports 1965 -
1970.
- 2.0 Hodgson, C.J.; Bailes, R.J.; Verzosa, R.S. 1976 Cariboo-Bell,
C.I.M.M. Special Volume No. 15 - Porphyry Deposits of the
Canadian Cordillera
- 3.0 Woodsworth, B., 1981 Report on the Nordic 1-5 Group.
- 4.0 Poloni, J.R. November 13, 1982, Report on the Nordic 1-7 Claims.

Appendix C
Certificate

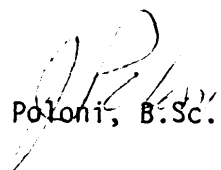
CERTIFICATE

I, John R. Poloni, of 5502 - 8B Avenue, in the Municipality of Delta,
in the Province of British Columbia,

DO HEREBY CERTIFY THAT:

1. I am a Consulting Geologist.
2. I am a graduate of McGill University of Montreal, Quebec, where I obtained a B.Sc. Degree in Geology in 1964.
3. I am a Registered Professional Engineer in the Geological Section of the Association of Professional Engineers of the Province of British Columbia.
4. I have practiced my profession since 1964.
5. I am a Member of the Canadian Institute of Mining and Metallurgy.
6. I have personally visited the property on October 21, 1982 and July 10, 1985.
7. I have no interest in the properties and securities of Big Valley Resources Inc., nor do I expect to receive or acquire any.
8. I consent to the use of this report by Big Valley Resources Inc. in a submission to the Vancouver Stock Exchange and/or the British Columbia Superintendent of Brokers, and to distribute all or parts of the report to the shareholders or other interested parties provided that the meaning is not altered by partial quotes.

Dated this 25th day of July, 1985.


John R. Poloni, B.Sc., P.Eng.

JOHN R. POLONI P. Eng.
Consulting Geologist

Appendix D

1.0 Assay Data

2.0 Claim Location Forms

3.0 Maps

Scale

No. 2 Property Location Map

1:50,000

No. 3 Preliminary Geology

1:50,000

No. 4 Detailed Geology

as shown