REPORT ON THE GEOLOGICAL MAPPING OF THE REDBIRD, SPOKANE-MOTHERLODE, SHAMROCK AND HILLTOP SHOWINGS ADAMS PROPERTY, JOHN-X CLAIMS

By

L.E. Thorstad

K.L. Daughtry, P.Eng.

Latitude:	49° 33' to 49° 35' North
Longitude:	120° 48' to 120° 50' West
NTS:	92H/10W
Owner:	Harold J. Adams
Operators:	Kenam Resources Ltd.
	Ventures West Minerals Ltd.
Consultants:	K.L. Daughtry & Associates Ltd.
Submitted:	November 30, 1979

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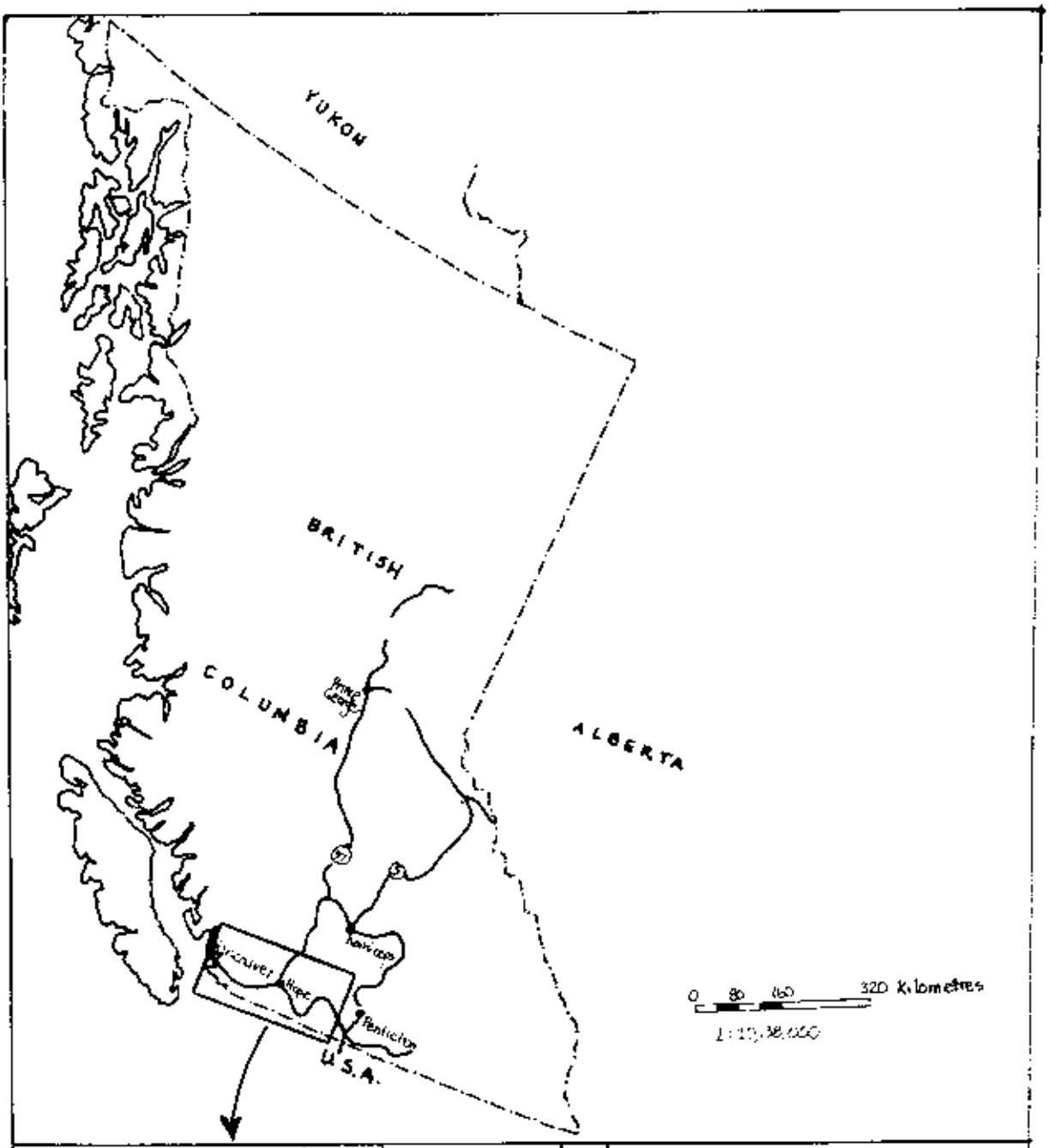
INTRODUCTION

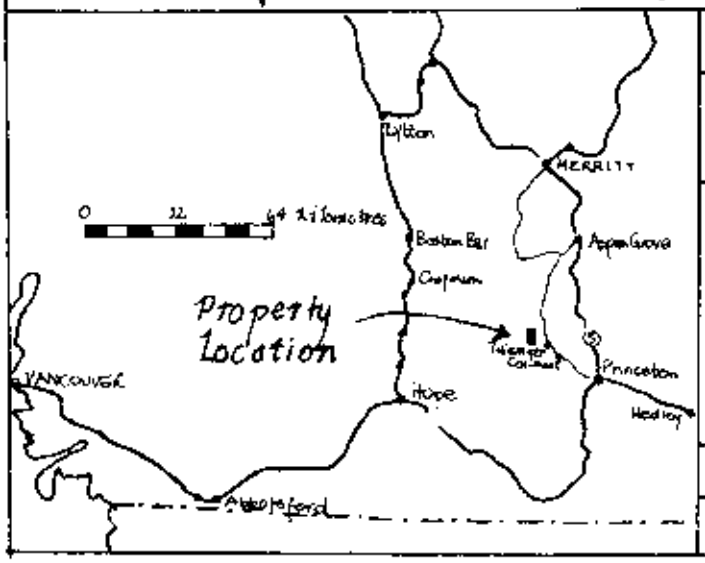
Kenam Resources Ltd. and Ventures West Minerals Ltd. optioned the Adams property from Harold J. Adams. This report has been prepared to present findings of preliminary assessment work on the John-X claim group.

Preliminary geologic mapping of known showings on the John-X claim group indicate the presence of one major sulphide horizon that is stratiform in nature and appears to be a volcanogenic massive sulphide deposit.

LOCATION, TOPOGRAPHY AND ACCESS

The Adams property (Rabbitt Mountain property), northwest of Tulameen, B.C., is a large block of claims occupying the upland area immediately west of the south end of the Otter Creek Valley (Figures 1, 2). The southern part of the claims covers the crest and slopes of the southeasterly trending ridge between Rabbitt Mountain and Mount Riddell. The northern part of the property covers most of Boulder Mountain.





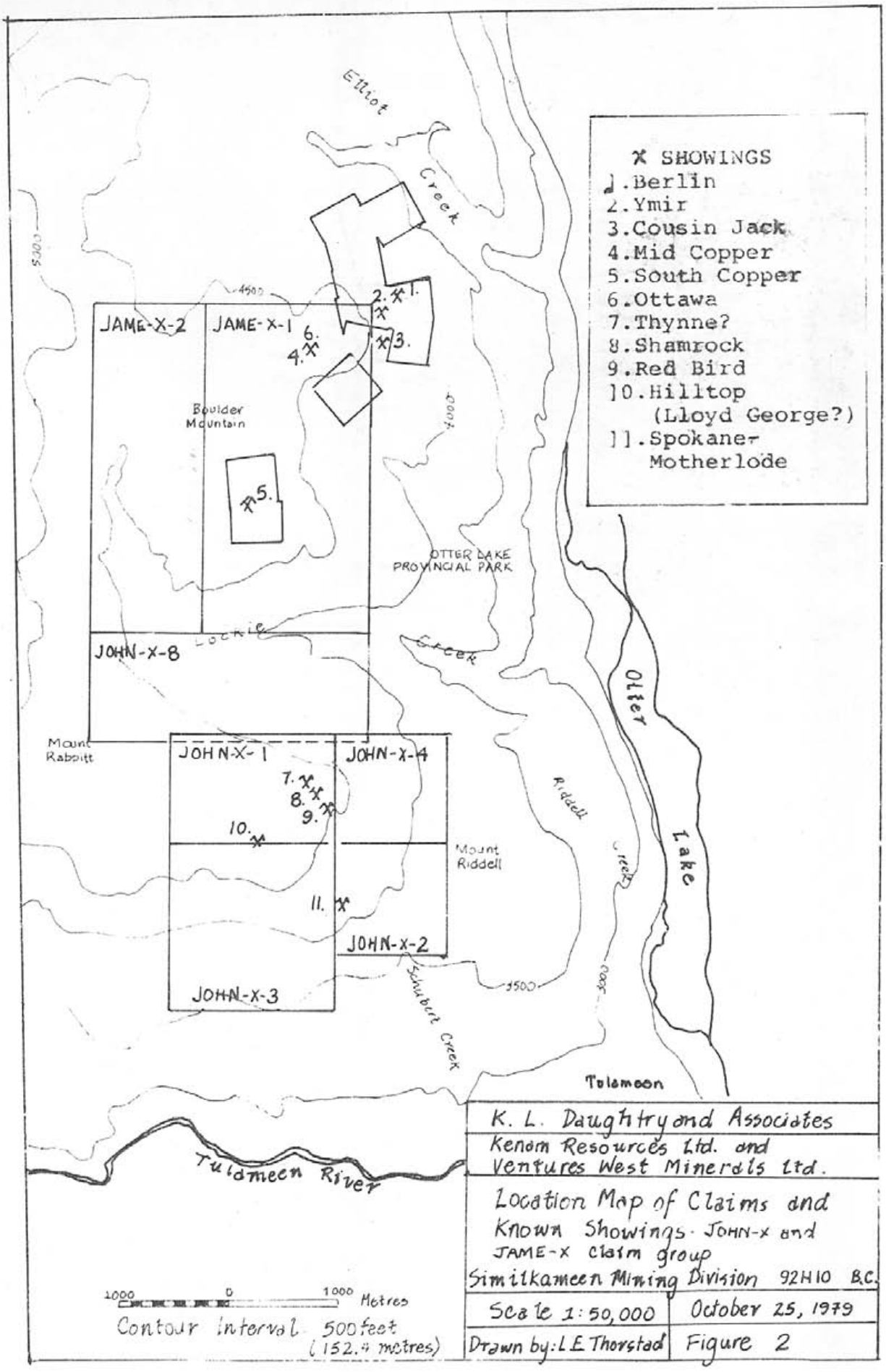
K. L. Doughtry and Associates

Konam Resources Ltd and Ventures West Minerals Ltd.

Adams Property: JOHN-X JAME-X Claim Group: Location Map

Drawn by: L.E. Thorstad

October 25, 1979 | Figure 1



K. L. Daughtry and Associates
Kenam Resources Ltd. and Ventures West Minerals Ltd.

Location Map of Claims and Known Showings. JOHN-X and JAME-X claim group
Similkameen Mining Division 92H10 B.C.

Scale 1:50,000	October 25, 1979
Drawn by: L.E. Thorstad	Figure 2

The claims extend north from the Lawless Creek road 2.5 to 5.0 km west of Tulameen, to Elliot Creek, 1.5 km west of Frembd Lake in the Otter Valley, a total distance of 7 km. Lockie (Boulder) Creek, an easterly flowing tributary of Otter Creek bisects the claim blocks. The JOHN-X-1 to JOHN-X-8 claims were located south of Lockie Creek and the JAME-X-1, JAME-X-2 and 10 crown granted claims are located to the north.

The JOHN-X-1 to JOHN-X-8 claim group are covered in the following report.

The upper slopes of Rabbitt Mountain are gently sloping with occasional deeply incised creek canyons. The slopes of the valleys of the Tulameen River, Otter Valley and Lockie Creek are steep to precipitous. Elevations vary from a minimum of 970 metres above sea level in Lockie Creek and 1040 metres at the south end of the property to 1500 metres on Rabbitt Mountain.

Access to the various showings is provided by steep, four-wheel drive roads. The Rabbitt Mountain area is accessible by a network of roads which leave the Lawless Creek Road, a main logging road, between 3.5 and 8.0 km west of Tulameen. A foot trail that begins at the northern end of the showings covered by this report provides a connective route to showings on Boulder Mountain to the north.

Tulameen is on the Kettle River Branch of the Canadian Pacific Railway and is 27 km, by paved highway, northwest of the nearest supply centre, the town of Princeton, which is on the Southern Transprovincial Highway.

PROPERTY

The JOHN-X-1 to JOHN-X-8 claims were located in the Similkameen Mining Division by Harold J. Adams of Tulameen, B.C., between August 27th and December 4th, 1976. At the time of the work programme described in this report, the pertinent information on the claims could be summarized as follows:

Claim	Units	Record No.	Record Date	Expiry Date
JOHN-X-1	6	116	Sept. 22, 1976	Sept. 22, 1979
-2	4	117	Sept. 22, 1976	Sept. 22, 1979
-3	9	118	Sept. 22, 1976	Sept. 22, 1979
-4	4	119	Sept. 22, 1976	Sept. 22, 1979
-5	1	164	Nov. 9, 1976	Nov. 9, 1979
-6	1	165	Nov. 9, 1976	Nov. 9, 1979
-7	1	166	Nov. 9, 1976	Nov. 9, 1979
-8	10	178	Dec. 10, 1976	Dec. 10, 1979
JAME-X-1	18	176	Dec. 10, 1976	Dec. 10, 1979
-2	12	177	Dec. 10, 1976	Dec. 10, 1979

The assessment work described in this report, together with available assessment credit from drilling by previous operators,

was recorded on September 21, 1979. One year's work was applied to each of the JOHN-X-1, JOHN-X-2, JOHN-X-5 and JOHN-X-6 claims and two year's work was applied to each of the JOHN-X-3, JOHN-X-4, JOHN-X-7 and JAME-X-2 claims.

HISTORY

The Tulameen district has had a long and colourful history of mining and mineral exploration. Placer gold was discovered on Granite Creek in 1885 and to date about 38,000 ounces of gold have been recovered from the Tulameen River and its tributaries. Early placer mining on Lockie or Boulder Creek led to the subsequent discovery of copper-pyrite showings on Rabbitt and Boulder Mountains in the early 1800's.

By 1908, showings had been discovered on Rabbitt Mountain. Between 1908 and 1918 little work was carried out. In 1918 extensive surface and underground exploration resumed on the Rabbitt Mountain showings, including the SPOKANE-MOTHERLODE, REDBIRD and SHAMROCK groups. The occurrences were described as replacement bodies accompanied by silicification and were thought to be genetically related to a system of granite porphyry dykes. Several "veins" had been discovered by this time which

could be traced along strike for hundreds of feet, but average widths and grades were disappointing.

By 1928 numerous mineralized zones had been discovered and explored along a strike length of 4 miles. Exploration was concentrated on the Rabbitt Mountain showings (SPOKANE-MOTHERLODE, RED BIRD, and HILLTOP).

In 1933 attention shifted to Boulder Mountain, to the north, and the Cousin Jack Group.

There is no record of any further substantial exploration in the area until the early 1960's when Copper Mountain Consolidated carried out trenching near the old workings on Rabbitt Mountain and diamond drilled 5 holes totalling 1,250 feet (381 m). In 1966-1967 this company continued to explore the LODE claims by bulldozer, trenching, geophysical and geochemical surveys.

In 1976, Harold J. Adams of Tulameen staked the large block of JOHN-X and JAME-X claims covering all known showings on Rabbitt and Boulder Mountains (except those on the old COUSIN JACK group, crown grants).

In 1977-1978, Northern Lights Resources carried out geophysical surveys and drilled several holes on the Rabbitt Mountain showings.

Kenam Resources Ltd. optioned the claims from Mr. Adams in the autumn of 1979 and began a programme of geological mapping of known showings.

GEOLOGY OF THE RED BIRD, SPOKANE-MOTHERLODE, SHAMROCK, AND HILLTOP SHOWINGS

GENERAL STATEMENT

Several mineral occurrences hosted in rocks of the Nicola Formation are evident in the vicinity of Rabbitt Mountain. Preliminary geologic mapping in the area has shown that one main mineralized horizon is evident, including the Motherlode-Spokane, Red Bird and Shamrock showings of the JOHN-X claim group on Rabbitt Mountain. Another mineralized horizon of lesser consequence, herein designated the Hilltop showing, appears to be of very limited areal extent and show no apparent stratigraphic continuity.

Geologic mapping was confined to a limited area around these known showings and a north-south and east-west baseline were implemented to tie the showings together for mapping purposes.

HOST ROCKS

Host rocks are dominantly andesitic to dacitic breccias and tuffs with minor amounts of intercalated flow rock. The

mineralized horizon is commonly enveloped and replaced along strike by white to grey silicic and sericite schists.

MASSIVE SULPHIDE HORIZON

The main mineralized horizon is stratiform and apparently lensoid in nature, and shows a remarkable potential strike length. Gangue includes quartz blebs and sericite schist. Barren to pyritic schists can be traced for some distances along strike from mineralized showings.

Mineralization

Mineralization within the sulphide horizon ranges from massive to poorly banded to disseminated in nature. Pyrite is the dominant sulphide with lesser amounts of chalcopyrite and small amounts of sphalerite and galena. Secondary supergene mineralization includes chalcocite, malachite, azurite, hematite and limonite. Pyrite generally manifests the aforementioned sulphide textures while chalcopyrite, sphalerite and galena are interstitial or occur in restricted blebs.

SULPHIDE OCCURRENCES

Known sulphide occurrences include the Motherlode-Spokane, Red Bird, Shamrock and Hilltop showings. Examination of the individual occurrences show many similarities and only minor variations, the latter being dominantly in sulphide mineralogy. A discussion of each known occurrence follows.

Motherlode-Spokane Showing

At the Motherlode-Spokane showings massive sulphide mineralization is exposed both east and west of the main road access to the property, between trenches on the ridge and near the gully floor respectively. Exposed sulphide mineralization is approximately 1.5 metres thick and dips shallowly westward. Pyrite is the dominant sulphide with only small amounts of chalcopyrite, sphalerite and galena being evident. Assuming the ridge and gully showings do represent the same sulphide horizon the body has a length down dip of approximately 50 metres and along strike of 8-10 metres. Minor sericite schist is present both as gangue and enveloping the sulphide horizon.

Shamrock Showing

The Shamrock showing (not shown on map) is north of the Red Bird showing and appears to expose the same sulphide horizon that is exposed at the Red Bird and Motherlode-Spokane showings. Massive sulphide mineralization, including pyrite and chalcopyrite, is

exposed semicontinuously for a distance of over 150 metres along the trench and is hosted in fragmental andesites to dacites. Thicknesses vary from 1 to 2.5 metres and sulphide mineralization appears to be split and/or replaced by andesitic tuff at one point along the exposed horizon.

Hilltop Showings

One very limited sulphide occurrence, in highly sheared and fractured rocks is exposed in a trench at the Hilltop showings. Massive pyrite and chalcopyrite constitute the exposed mineralized horizon which has thicknesses ranging from .2 to .6 metres. The horizon has no apparent stratigraphic continuity as trenches immediately east and west of exposed mineralization do not expose massive sulphide.

CONCLUSIONS

In summary, one major sulphide horizon is evident on the JOHN-X claims on Rabbitt Mountain. Pyrite, chalcopyrite and lesser sphalerite and galena mineralization is apparently stratiform in nature and hosted in dominantly fragmental rocks of andesitic to dacitic composition. Sericite schist and quartz, both as gangue and host rocks are commonly associated with the sulphide horizon.

RECOMMENDATIONS

It is recommended that a detailed mapping programme of the property follow preliminary mapping of the known showings. A geochemical sampling program and a magnetometer survey may prove useful in delineating sulphide mineralization.

STATEMENT OF COSTS

Professional Services:		
September 17 to September 21, 1979 -		
K.L. Daughtry (4 days @ $200/day)	$800.00	
L.E. Thorstad (5 days @ $130/day)	650.00	
		$1,450.00
Expenditures and Disbursements:		
H. Adams (4 days @ $85/day)	$340.00	
Vehicles -		
Ford Bronco (5 days @ $60/day)	300.00	
Chevrolet pickup (4 days @ $50/day)	200.00	
Accommodation (7 nights @ $21/night)	147.00	
Meals (9 days @ $14/day)	126.00	
		1,113.00
Supplies:		
To Pacific Survey Corporation re preparation of Topographic Map		1,590.00
TOTAL COSTS		$4,153.00

QUALIFICATIONS

I, Linda E. Thorstad, do hereby certify that:

1. I am a geologist residing in British Columbia at 3529 West 3rd Avenue, Vancouver, B.C.

2. I attended Vancouver City College for one year and the University of British Columbia for five years.

3. I have had six summers' experience in both regional and detailed mapping in Northern British Columbia, the Northwest Territories and the United States.

4. My report, dated November 30, 1979, is based on personal examination of the JOHN-X claim group property for Ventures West Minerals Ltd. during the period from September 19, 1979 to September 21, 1979.

5. I have no personal interest, direct or indirect, in the property covered by the submitted report.

Respectfully submitted,

Linda E. Thorstad

November 30, 1979
Vancouver, B.C.

QUALIFICATIONS

I, Kenneth L. Daughtry, of Tronson Road, R.R. #4, Vernon British Columbia, do hereby certify that:

1. I am a consulting geologist in mineral exploration.

2. I have been practising my profession in Canada, the United States and Ireland for fourteen years.

3. I am a graduate of Carleton University with a Bachelor of Science degree in geology and chemistry.

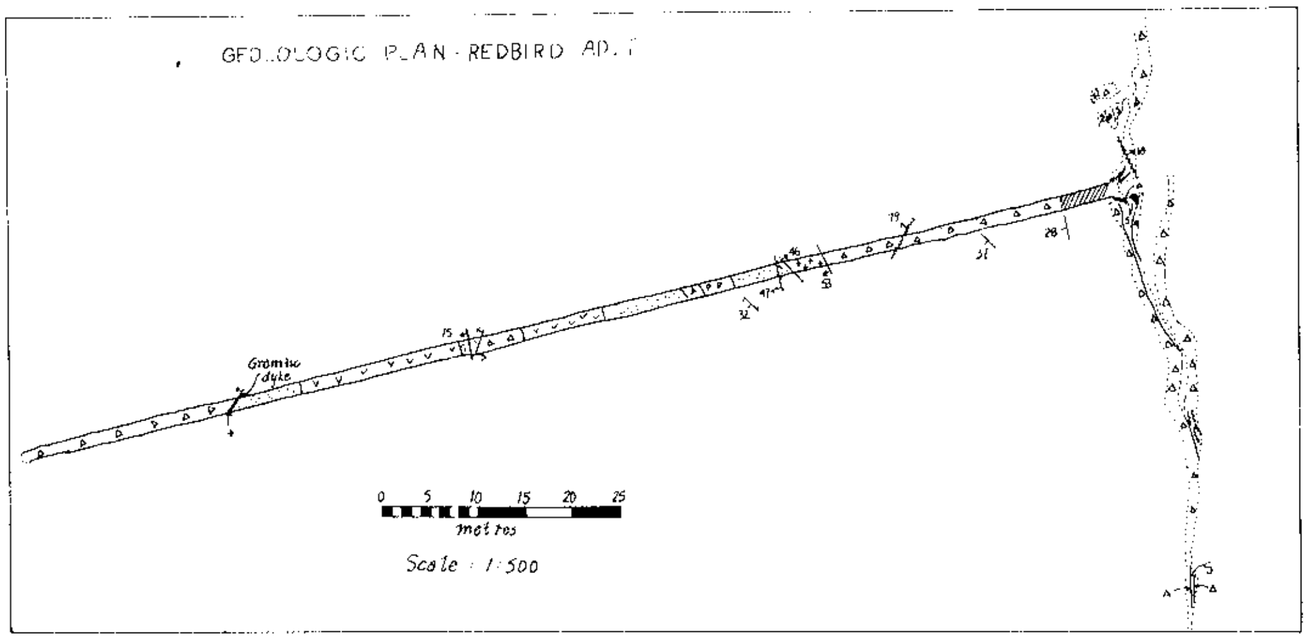
4. I am a member in good standing of the Associations of Professional Engineers of British Columbia, Ontario and Yukon, and a Fellow of the Geological Association of Canada.

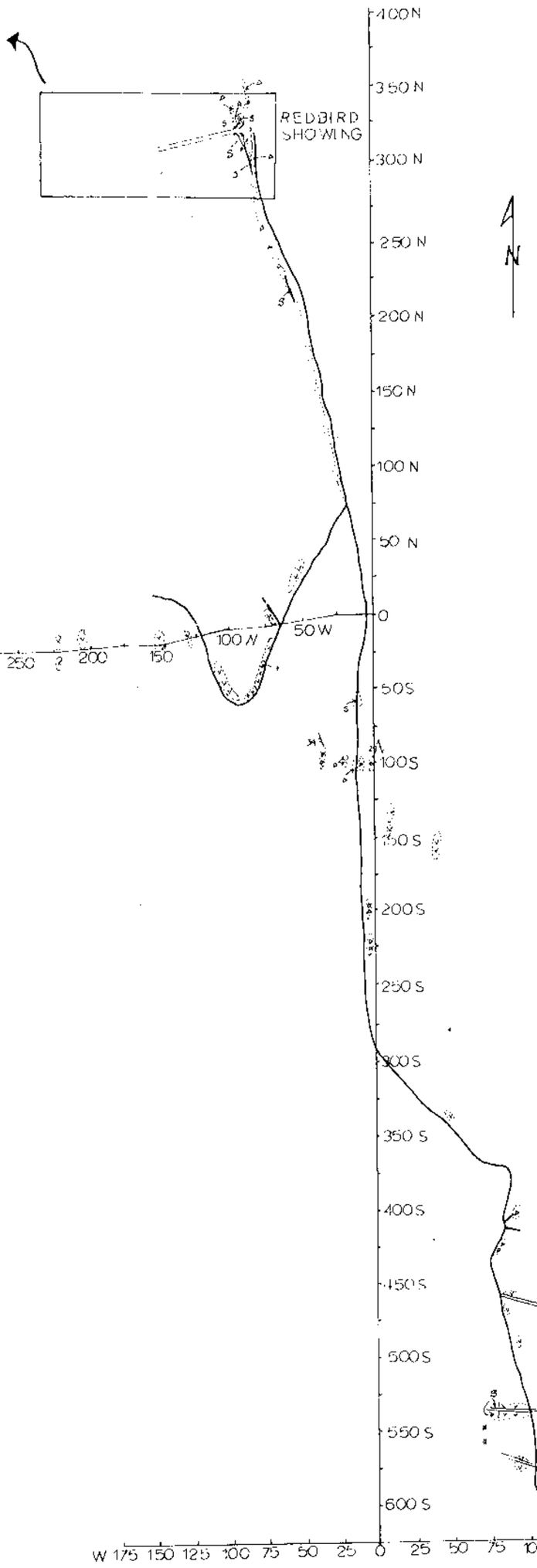
5. This report is based upon knowledge of the Rabbitt property gained during the conduct of an exploration programme in September, 1979.

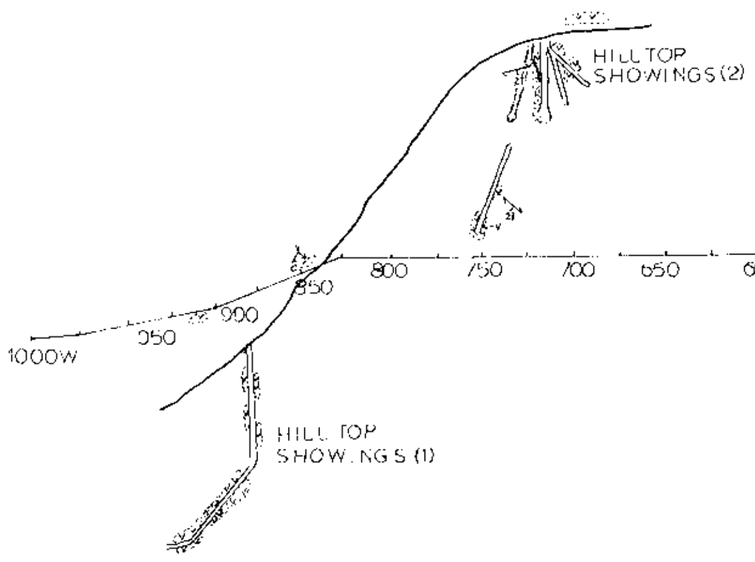
Respectfully submitted,

K.L. Daughtry, P.Eng.

November 30, 1979
Vancouver, B.C.







LEGEND

- Plagioclase porphyry, flow or sill
- Amygdaloidal feldspar, hornblende porphyry
- Altered volcanic rock: calcareous, rusty, carbonate veinlets pyritic
- Mainly andesite breccia and tuff
- Mainly dacite breccia and tuff
- Sericite and quartzose sericite schist
- Mineralized zone; massive and stringer pyrite, chalcopyrite, sphalerite and galena in sericite rock

Geologic Symbols

- Bedding (tops unknown)
- Foliation
- Carbonate slip
- Fault
- Road
- Outcrop boundaries

0 25 50 75 100 125
metres

K.L. Daughtry and Associates
Kenam Resources Ltd. and
Ventures West Minerals Ltd.

JOHN-X Claims: Geological Plan of Red Bird, Motherlode and Hilltop Showings
Similkameen Mining Division 92 H/10 B.C.
Mapped by: L.E. Thorstad September 19-21, 1979.
K.L. Daughtry September 20-21, 1979.

Scale: 1:2500 (50 m)
Date: October 24, 1979
Drawn by: L.E. Thorstad
Figure 3