

INTERIM REPORT ON ASSESSMENT WORK, KING NO.1 AND DAMMIT CLAIMS
(Grouped: Notice to Group No. 2045, Recorded 25 May 1979)

Fort Steele Mining Division,
British Columbia

NTS 82 F/9E

Latitude 49°33' ; Longitude 116°01'

GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,262

Owner-Operator: H.W. Ziemand

Report by: H.W. Ziemand

Submitted: 18 May 1984

TABLE OF CONTENTS

	Page No.
Section 1. Introduction and Property Definition	1
a. Location	1
b. Property Definition	1
c. Summary of Work Done in 1983	2
Section 2. Detailed Technical Data	
a. Purpose	2
b. Description of Work	2
c. Methods Employed in Chemical Analysis	4
d. Results of Geochemical Analysis and Interpretation	4
e. Plans for Future Work	
Section 3. Itemized Cost Statement	5
Section 4. Statement of Qualifications	5

List of Illustrations:

Following Page:

Fig. 1 Index Map	1
Fig. 2 Diagram of Trench I	3
Table 1 Results of Chemical Analysis	4

Section 1. Introduction and Property Definition.

a. Location

The claims are located on the north side of Perry Creek valley and approximately 170 m above creek level, near the 11km marker along the Perry Creek forestry road.

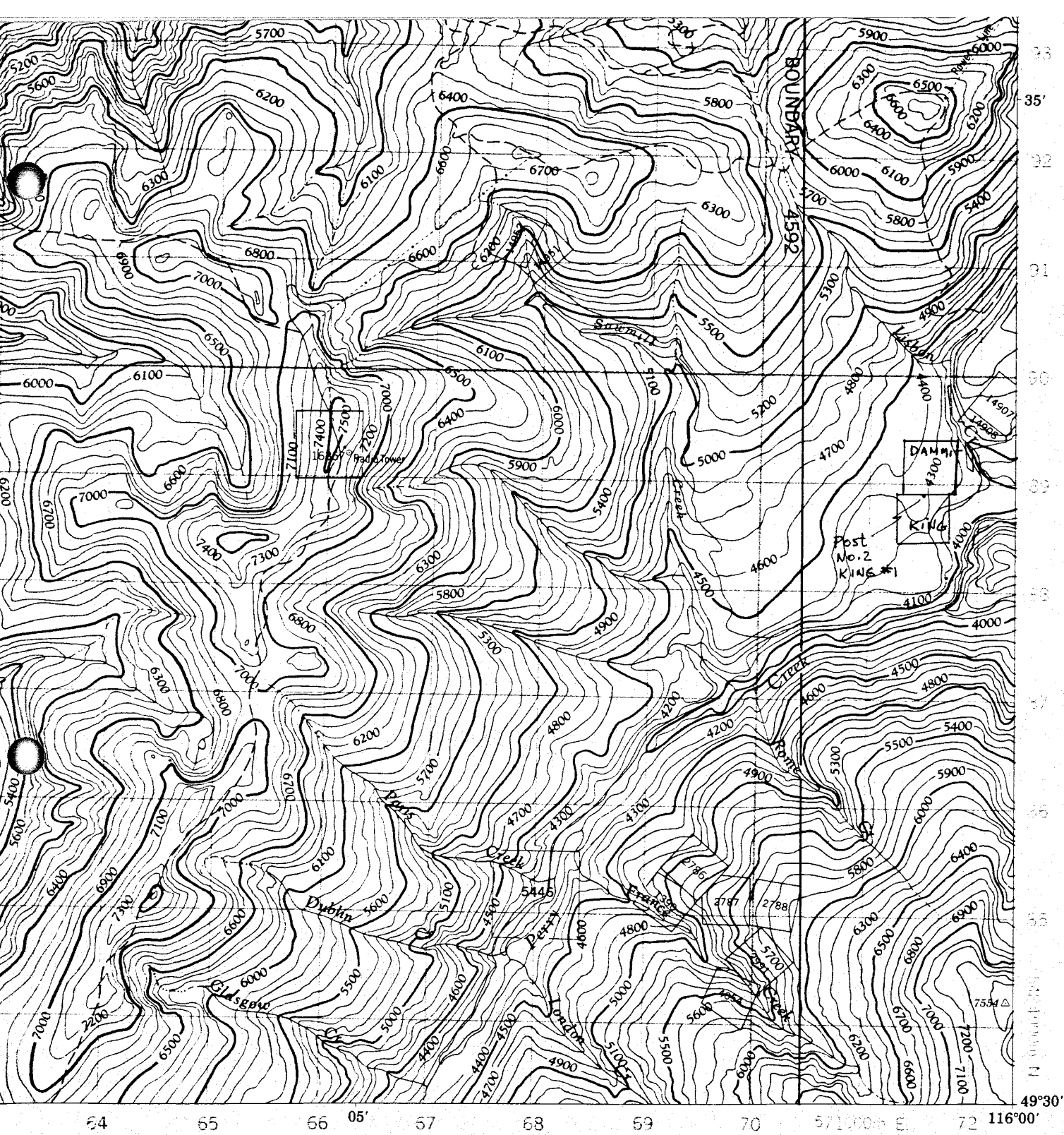
Access to the claims is by motor vehicle along the Perry Creek road, by other forestry roads branching off from this road, and by foot.

The claims are located on the Index Map, Fig. 1.

b. Property Definition

The King #1 Claim (Record No. 19436) was recorded on 28 December 1973, at Cranbrook. The Dammit Claim (Record No. 189), was recorded at Fort Steele (Cranbrook) on 31 May 1977. Part or all of the area of the two claims was previously included in claims which had expired. The present claims were staked and recorded by Mr. H.W. Ziemand of High River, Alberta and continue in his ownership.

To the present, no economically important mineral deposits have been discovered on the claims. Exploratory work has been concentrated on the northern part of the King #1 Claim and on the southern part of the Dammit Claim (see unpublished report "The Geology of the King #1 Claim, Ft. Steele Mining Division, B.C." by H.W. Ziemand, P. Geol., submitted December, 1974, on file at B.C. Ministry of Energy, Mines and Petroleum Resources, Victoria; also a brief note contained in Exploration in British Columbia 1978, Province of British Columbia Ministry of Energy, Mines and Petroleum Resources, Victoria, B.C., (July, 1979), pp. E78-E79.



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FIG. 1 INDEX MAP
BASE: GSC TOPOG. SHEET 82F/9
SCALE: 1:50,000

c. Summary of Work Done in 1983

Field work was done during the periods 24 September through 26 September, October 1, 2, 29 and 3 November 1983.

A brief examination of exposures along Lisbon Creek took up some of the time. However, the largest part of the work was done in digging 6 m of trench approximately 1.5 m deep. A number of samples was collected from the trench. A total of 8 samples was submitted for geochemical analysis by Loring Laboratories Ltd., Calgary. Standard techniques were used to determine Lead, Zinc, Silver and Gold percentages in these samples. Tabulated results are given Subsection 2 d below.

The trenching and analytical work were confined to an area in the southwestern part of the Dammit Claim. Surface exposures were examined on various parts of the King #1 and Dammit claims. Further sampling is planned for other parts of the claims during Spring and Summer, 1984.

Section 2. Detailed Technical Data.

a. Purpose

This year's field work was undertaken in order to obtain quantitative, detailed technical data on a part of the claim group which had previously been examined in the field, and by using gross, descriptive techniques only (see reports by H.W. Ziemand, op cit).

b. Description of Work

A trench 6m long and averaging 1.5 m deep was dug along and across a quartz vein. Strike of the vein is N 75° W; the trench samples the wall rock north of the vein, then crosses the vein at

approximately a right angle. Excavation was by means of hand tools, assisted by explosives.

Descriptions of analyzed samples follow: (See diagram of Trench I, Fig. 2)

Sample I-1a Predominantly quartz, with abundant muscovite mica, some inclusions of red hematite, and minor pyrite. From the east end of the trench. Depth 1 m.

Sample I-1b Quartz, with green argillite inclusions - brecciated argillite with quartz veinlets. From a point 0.5 m northwest of sample I - 1a. Depth 1.0 m.

Sample I-2 Weathered zone over wall rock. Angular fragments of siliceous argillite, stained light brown; angular quartz fragments, rusty, with fines consisting of angular sand grains, light brown to yellow. From a point 2.4 m northwest of the east end of the trench. Depth 1.5 m.

Sample I-3 Quartz, with abundant muscovite, green argillite inclusions. From a point 3.4 m west-northwest of the east end of the trench. Depth 1.0 m.

Sample I-4 Gossan. Iron-stained quartz vein with honeycomb surface, green argillite inclusions. From a point 5.5 m west of the east end of the trench. Depth 1.0 m.

Sample I-5 Quartz with muscovite mica and minor calcite, green argillite inclusions. From a point 5.0m west of the east end of the trench. Depth 1.5 m.

Sample I-6b Sample from weathered zone above vein. Light brown silty sand, containing angular quartz fragments. From the western end of the trench, 6.0 m west of the east end. Depth 1.0 m.

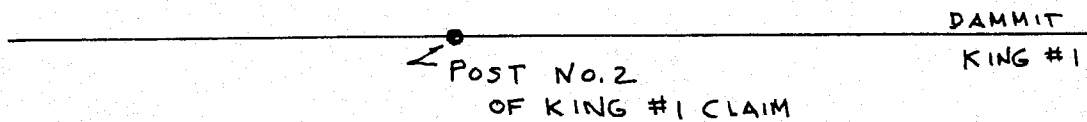
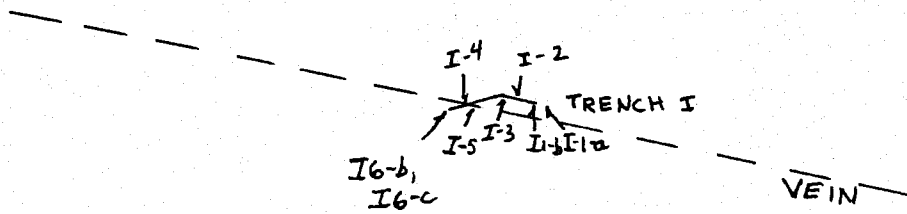
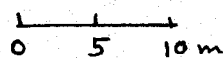


Fig. 2 DIAGRAM OF TRENCH I

SCALE: 500:1
(1cm = 5m)



Sample I-6c Weathered vein rock. Quartz, fragmented, iron stained, with brittle mica flakes. From the western end of the trench, 6.0 m west of the east end. Depth 1.7 m.

c. Methods Employed in Chemical Analysis

Analyses were done by Loring Laboratories Ltd. of Calgary. A copy of their Certificate of Assay for the samples described above, is included as Table I. Analyses were carried out using standard chemical procedures, an outline of which follows:

Samples were crushed, and ground. The analysis was carried out on 95% minus 100 mesh samples.

Lead, Zinc and Silver determinations were made by Aqua Regia digestion of the pulverized sample and absorption, with background correction for Lead and Silver.

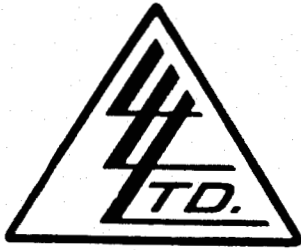
Gold was determined by fire assay, absorption and MIBK extraction.

d. Results of Geochemical Analysis and Interpretation.

Table I contains determinations for Lead(Pb), Zinc(Zn), Silver(Ag), (all given in parts per million), and Gold(Au) (in parts per billion). The weathered zone samples, I-6b and I-6c showed the highest Pb and Zn concentrations. Au was highest in I-1b which represented wall rock from the north side of the vein. Ag was present in low concentration relative to Pb and Zn.

Quantities determined were too low to have any direct economic significance. There is some indication of zoning, with Pb and Zn tending to be concentrated in the inner part of the mineralized

To: H.W. ZIEMAND
 P.O. Box 1941,
 Calgary, Alberta T2P 2M2



File No.25515
 Date ..November 7, 1983
 Samples ..Rock

Certificate of
ASSAY of
LORING LABORATORIES LTD.

SAMPLE No.	PPM Pb	PPM Zn	PPM Ag	PPB Au
<u>Rock Samples</u>				
I-1A	11	8	.1	5
I-1B	16	12	Nil	10
I-2	18	32	Nil	5
I-3	17	8	Nil	5
I-4	21	12	.1	Nil
I-5	19	10	Nil	Nil
I-6B	14	44	.1	5
I-6C	20	47	Nil	5

I **Hereby Certify** THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

TABLE I RESULTS OF CHEMICAL ANALYSIS

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

D. Enloe

Assayer

zone, and with Au somewhat increased in the peripheral part.

In general, however, results must be considered negative for the area investigated.

e. Plans for Future Work

Additional sampling is planned for the northern and eastern parts of the Dammit claim. This work is planned for Spring and Summer, 1984. It is also hoped that it will be possible to investigate the claims by drilling in the future.

Section 3. Itemized Cost Statement.

Field Work - Value of labor, etc @ \$100/day

7 days \$200

Preparing Report 200

Explosives, cap and fuse assemblies 129.02

Geochemical Analyses and Sample Bags and Labels 104.70

Field Work - Expenses

7 days @ \$50/day

Total

350.00
\$ 1483.72

Section 4. Statement of Qualifications:

H.W. Ziemand, P. Geol. (Member of Assoc. of Prof. Engs., Geols. and Geophys. of Alta.)

Education:

B.Sc. Geology-Temple Univ. Phila, PA., U.S.A. (1955)

Graduate work in Geology at Univ. of Wyoming & Univ. of Colorado.

Working Experience

1. Globe Mining Co. Casper, Wyoming (1955)

Uranium prospecting, claim surveying.

2. U.S. Geological Survey Anniston, Alabama & Denver, Colorado
(1956-1962)

Groundwater Geology, topographic mapping

3. Chen & Associates - Consulting Engineers Denver, Colorado (1971)
Engineering Geology

4. R.M. Hardy & Associates - Consulting Engineers - Calgary, Alta.
(1971-1973)
Engineering Geology

5. Self-employed Consulting Petroleum & Engineering Geologist
High River, Alta. (1973-1974) & (1975-1977)

6. Underwood McLellan & Associates
Engineering Geology (1974-1975)

7. Alberta Energy Resources Conservation Board
Petroleum Geologist (1977-1979)

8. PanCanadian Petroleum Ltd.

Employed as Senior Geologist - Exploration since July, 1979.

H. W. Ziemand

18 May 1984