81-#919 - #9701

PROSPECTING REPORT

on the

WREN GROUP of MINERAL CLAIMS

SPUZZUM CREEK AREA

NEW WESTMINSTER MINING DIVISION

NTS 92H/12E

Lat. 49° 44' Long. 121° 43'

for

H.J. Forsyth & J.D. Murphy
Owners

by

Jay D. Murphy, P. Eng.

Consulting Geological Engineer

1981-10-15

9701

TABLE OF CONTENTS

LIST OF ILLUSTRATIONS

ADDENDA

INTRODUCTION

Regional prospecting in the Spuzzum Creek-Urguhart Creek watersheds in the fall of 1980 led to the discovery of a strong vein structure carrying low gold-silver values. Vein exposures occur in a steep headwall that could not be climbed to examine the projected western extension of the vein system. Four 2-Post claims, designated Wren 1 to 4 were staked to cover the area of interest. The relatively accessible area east of the headwall was covered by claims 1 and 2. The precipitous, inaccessible area west of the headwall was covered by witnessing the final posts of claims Wren 3 and 4. Current work, which constitutes the subject of this report, consisted of establishing a camp on the summit west of the claim group and prospecting claims Wren 3 and 4 from this base. Work was concentrated on sampling the western extension of the previously located vein system.

The Wren claim group is located 23 Km straight line distance west northwest from the settlement of Spuzzum in the Fraser Canyon. (Plate No. 1) The claim group lies on the east side of the Coast Range mountains on the height of land between Clear Creek, which drains southwest to Silver Creek and Harrison Lake, and Spuzzum Creek, which drains east to the Fraser River. Elevations within the claims vary from 1100 to 1500 metres.

Road access is by the Rennie Logging road which leaves the Trans Canada Highway 5 Km south of the highway bridge over the Fraser and follows Spuzzum Creek 27 Km to the closest point east of the claims. The first 8 Km is an active logging road in excellent condition, the final 18 Km is inactive but in fair condition. Travel time is approximately 45 minutes. From the access road to claims Wren 1 and 2 is a distance of about one Km which can be traversed with some difficulty by following the steep, boulder filled stream that drains the claims area.

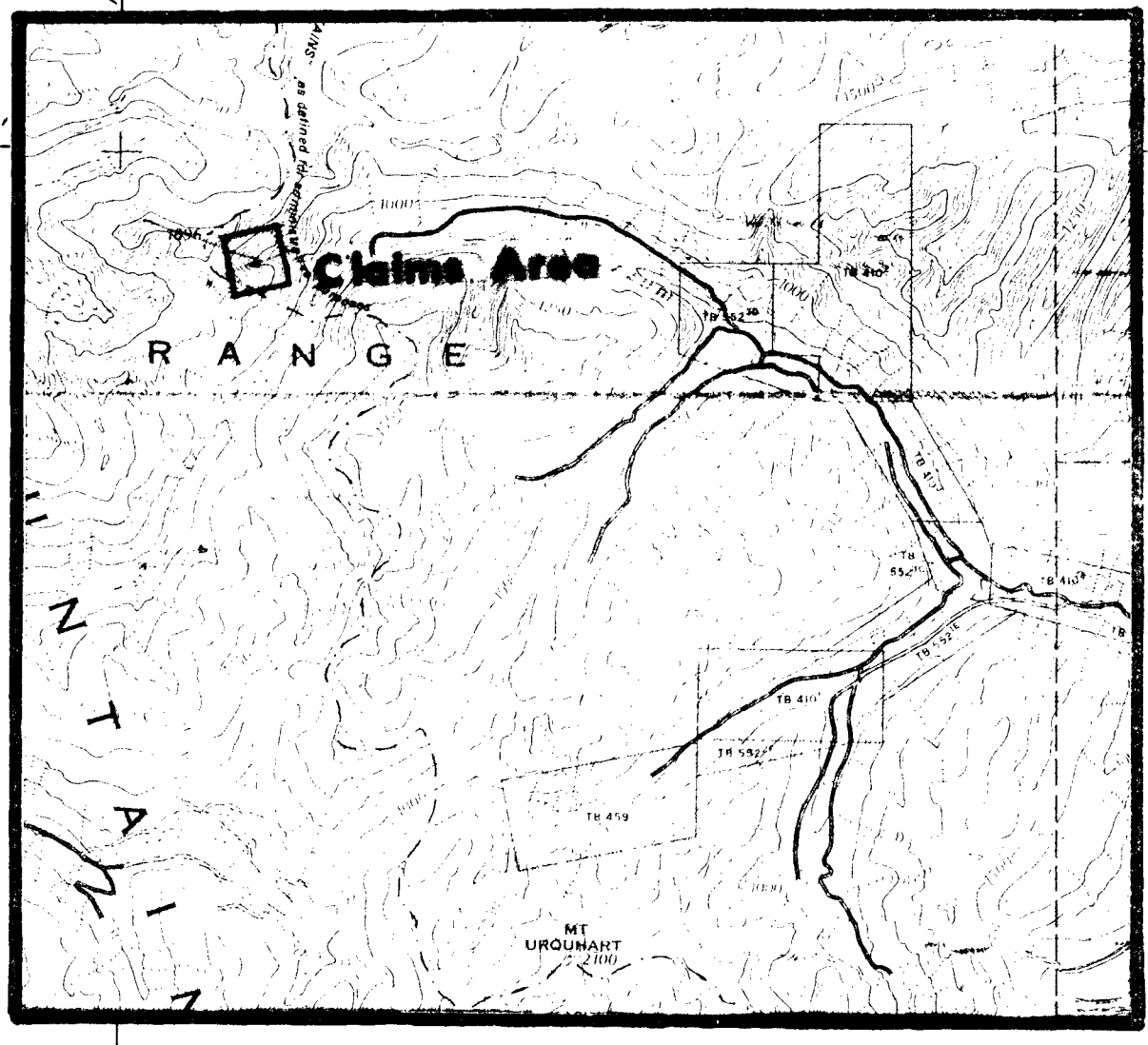
Within the claims proper outcrops are not abundant outside the stream channels and headwall area. Rocks are well exposed along the summit immediately west of the claims. Overburden does not appear to be thick (1 or 2 m) particularly on the steep slopes of claims 3 and 4 which are avalanche scoured during the winter period. Tree cover varies from practically none along the summit to scattered on claims 3 and 4, to relatively heavy on claims 1 and 2. Trees are stunted and twisted, many exhibiting avalanche damage. There is little if any merchantable timber within the Wren claims.

Field work involved first establishing a camp on the height of land west of the claims at an elevation of 1650 m. Personnel and gear were moved in from the access road by Bell 206-B aircraft rented from Highland Helicopters in Agassiz. From camp several traverses were run concentrating on two sub parallel linear gully representing strong structural features and including the vein system that prompted the investigation.

NORTH ASTRONOMIC

121°45'

49°15'



0 1 2 3 4 5
KILOMETRES

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
JAY D. MURPHY

Plate No. 1

WREN GROUP 92H/12E

LOCATION PLAN

J.D. Murphy | 1:250000 | 1991-01-01

INTRODUCTION - cont'd.

Traverse control was established by Brunton compass and hip chain. The slope of each traverse couse was measured by Brunton and recorded to permit calculation of the horizontal and vertical distances. Plotted results are illustrated by Plate No. 2. The two traverses shown were not tied together so there may be some error in their relative locations. Surface slopes were found to vary from 24° to 41-1/2°

A total of eight samples were taken, seven from bedrock and one from a float boulder. Six of the eight samples were chip samples taken across a definite vein width and two were grab samples as noted on Plate 2. Sample locations and assay results are shown on the same plate, including samples 85 and 86 taken in 1980. Assay results are given in troy ounces per short ton but have been converted to grams per tonne in the following discussion.

SUMMARY AND CONCLUSIONS

Work to date has outlined a strong and persistent vein zone. Attitude and dimensions are favorable for underground development but indicated grade is too low for a profitable operation. The vein has a proven strike length of 160 m, an average width of 1.35 m and a gold-silver content of $8.00 per tonne. There are indications of another vein of similar grade in the immediate area.

The limited work completed does not eliminate the possibility of finding commercial grade sections within the main vein or related structures, but indicated grade certainly does not encourage the expenditure required to thoroughly explore the vein system.

RECOMMENDATIONS

No work can be recommended apart from additional surface prospecting, but if it were required to thoroughly explore the known vein zone, the following procedure is suggested:

1. Extend the existing logging road (Branch 60) approximately one Kilometer to provide road access to the headwall area, the lowest point that the vein structure outcrops. Some rockwork would probably be required.

2. Drive a minimum of 150 m of exploration drift on the main vein.

RECOMMENDATIONS - cont'd.

3. From the exploration drift, diamond drill a minimum of 300 m in six flat holes to check favourable ground both sides of the main vein.

No detailed cost estimates were made for this work but expenditures would approximate $100,000.

GEOLOGY AND MINERALIZATION

Regionally, the area is underlain mainly by grey granodiorite of the Cretaceous Coast Range intrusives cutting host rocks of dark biotitic schist belonging to the Chilliwack Group of Carboniferous age. Intrusive rocks are cut by numerous coarse pegmatite veins with prominent biotite books and occasional quartz stringers. Both are considered to be late phases of the host intrusive and both are normally barren of sulphide mineralization. Trap dikes are fairly common and appear to occupy structural breaks. Consequently, outcrops of this unit are usually seen along stream channels and scarps. Tertiary intrusives of felsic compositions occur as small plugs, such as that carrying molybdenite on Clear Creek, and as dikes up to several metres as seen on the Wren claims, Mt. Urguhart, and several other locations.

Within the Wren claims and outside the vein zone outcrops are almost exclusively Coast Range granite. The vein zone, best exposed in the headwall area in the centre of the claim group (Plate No. 2) consists of a strong quartz vein up to 2.0 m wide striking S-80°-W and dipping 80-85°-N.. This dip changes to 85° S farther west at higher elevations. Vein width in outcrop reaches 2.0 m and contains scattered iron sulphides, including arsenopyrite. The vein is paralleled on the south side by a fine grained trap dike that can be seen in most outcrops along the 160 m strike length of the zone.

DISCUSSION OF RESULTS

Results from six samples taken during current work combined with two samples taken last year were arithmetically averaged to give a calculated grade of .446 grams gold and 3.051 grams silver per tonne and 1.35 m vein width. Using a strike length of 160 m the vein is calculated to contain 580 tonnes per vertical metre. Assuming a value of $16.12 per gram for gold ($500/ounce) and $0.32 per gram for silver ($10/ounce) gives a precious metal content for the vein of $8.16 per tonne.

STATEMENT OF COST

The following field costs were incurred on the Wren group of mineral claims from 1981-09-05 to 81-09-08, both inclusive. Work was performed by H.J. Forsyth, prospector and J.D. Murphy, P. Eng. Report preparation was completed between 81-09-10 and 81-10-15.

Labour		
8 man days @ $125/day		$ 1,000.00
Transportation		
4 days 4 x 4 rental @ $20.00	80.00	
Mileage Kamloops - Wren Group - Kamloops 340 miles @ $.25	85.00	
1.8 hours 206-B rental @ $415/hr.	747.00	
Helicopter fuel	69.65	
Total transportation	$ 981.65	981.65
Food and Lodging		
8 man days @ $15.00/day		120.00
Assaying		
8 only gold and silver assays @ $11.00		88.00
Report Preparation		
Typing and Photocopying	150.00	
Blueprinting	10.00	
3 days drafting and reporting @ $200/day	600.00	
Total Report Preparation	$ 760.00	760.00
TOTAL COSTS:		$ 2,949.65

STATEMENT OF QUALIFICATIONS

I, Jay D. Murphy, hereby certify:

1. That I am a Consulting Geological Engineer, resident at 1335 Todd Road, Kamloops, B.C.

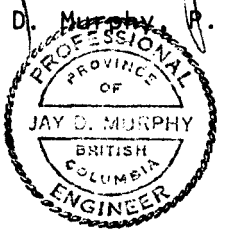
2. That I am a graduate from the University of Manitoba (1954) with a B. Sc. in Geological Engineering.

3. That I have practiced my profession continuously since graduation.

4. That I am a member of the Association of Professional Engineers of British Columbia and Ontario.

5. That the information contained in this report is based on a personal examination of the subject property.

Jay D. Murphy, P. Eng.



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B.C. LICENSED ASSAYERS
GEOCHEMICAL ANALYSTS
METALLURGISTS

CERTIFICATE OF ASSAY

APPENDIX NO. 1

TO Mr. Jay Murphy
1335 Todd Road
Kamloops, B.C. V2L 5B4

Certificate No. K-4457
Date September 24, 1981

I hereby certify that the following are the results of assays made by us upon the herein described _____ samples

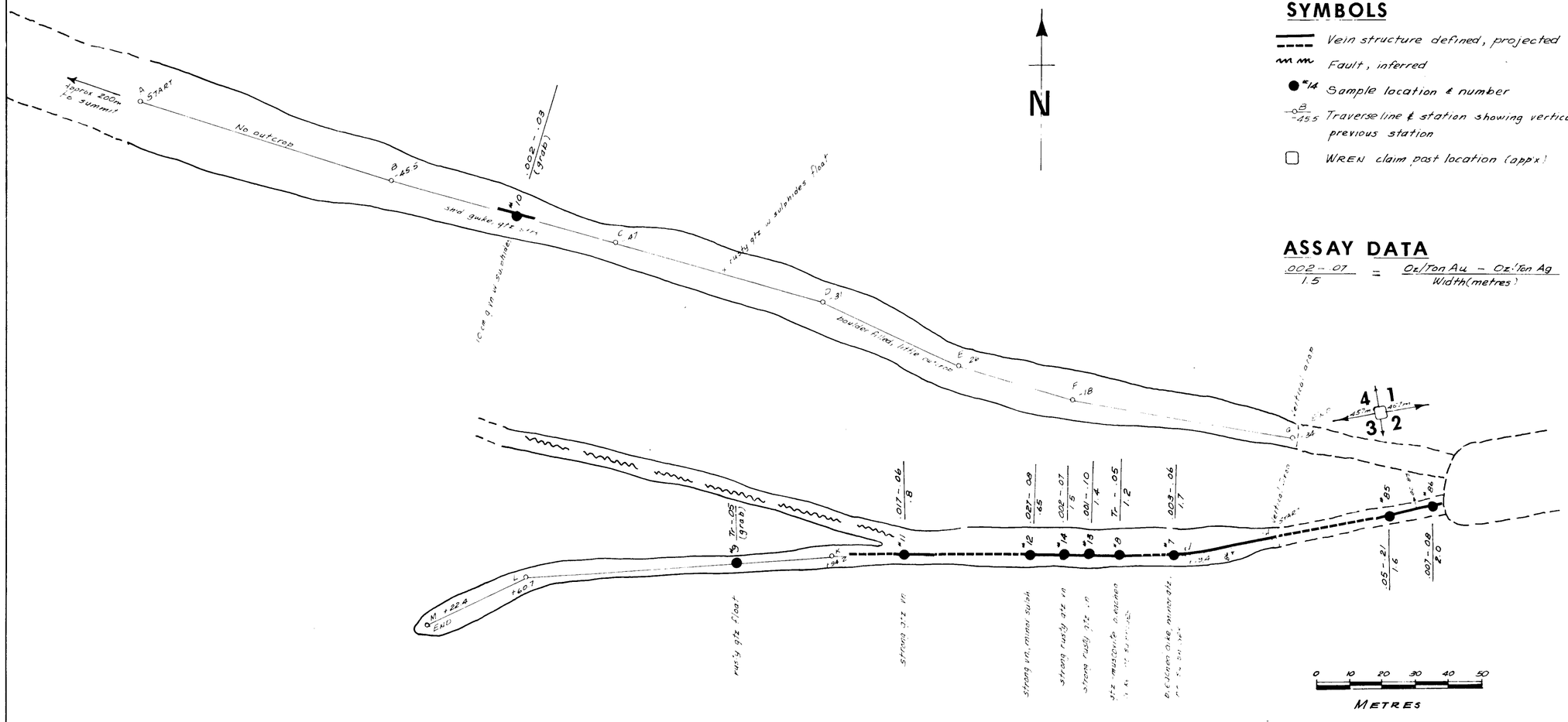
Kral No.	Marked	GOLD	SILVER							
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1	007	.003	.06							
2	008	L.001	.05							
3	009	L.001	.05							
4	010	.002	.03							
5	011	.017	.06							
6	012	.027	.08							
7	013	.001	.10							
8	014	.002	.07							

L means "Less than"

Page 6

NOTE:
Rejects retained three weeks.
Pulps retained [illegible] months
unless otherwise arranged.

Registered Assayer, Province of British Columbia



SYMBOLS

- Vein structure defined, projected
- Fault, inferred
- #14 Sample location & number
- B / -45.5 Traverse line & station showing vertical distance(m) above(+) or below(−) previous station
- WREN claim post location (app'x)

ASSAY DATA

.002 − 07 / 1.5 = Oz/Ton Au − Oz/Ton Ag / Width(metres)

9701

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — JAY D. MURPHY

Plate No. 2

WREN GROUP 92H/12E
PLAN OF VEINING
SHOWING SAMPLE LOCATIONS

J.D.Murphy	1:1000	1981-10-01