

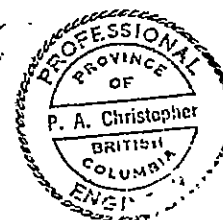
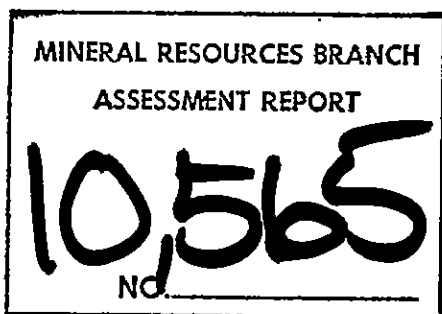
GEOLOGICAL AND PROSPECTING REPORT  
ON THE G.E. 1 AND G.E.3 CLAIMS  
PRINCETON AREA, B.C. (92H/8W)  
SIMILKAMEEN MINING DIVISION

Latitude: 49°28.9' Longitude: 120°28.3'

For Owner: G.I. Burr, Prospectors, Princeton B.C.

By Peter A. Christopher, Ph.D., P. Eng.

PETER CHRISTOPHER & ASSOC. INC.  
3707 West 34th Ave.,  
Vancouver, B.C.  
V6N 2K9



*Peter A. Christopher*

November 6, 1981

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## INTRODUCTION

The writer and two helpers spent July 29th and July 30th, 1981 on grid work, mapping and locating posts on the GE 1 and GE 3 mineral claims owned by G.I. Burr of Princeton, B.C. Over 10 Km of chained lines were flagged, mapped at 1:5000 and prospected. The initial posts for GE 1 and GE 3 and final post for GE 1 were located (see figure 2)

The claims cover the old Regal showing and the western edge of old Granby trenches. Several companies have explored the Regal copper showing and found that mineralization occurs in a gravity slide block.

## LOCATION AND ACCESS:

The GE claims are located on Bald Mountain about 4 Km (2.5 miles) northeast of Princeton. Access is via Hwy. 5 and the Ospery Lake Road to numerous secondary roads (Figure 1).

## HISTORY:

The property has been worked since early in the century. Granby held the ground from 1951 to 1962 and conducted trenching, diamond drilling, geochemical and geophysical surveys. The present owner staked the ground in 1962 and has held the GE 1 and GE 3 claims to this date. Climax Copper Mines Ltd. (Silver Standard) optioned the property in 1962 and conducted geochemical, diamond drilling, percussion drilling and trenching programs. Granby optioned the property in 1965 and drilled 41 percussssion holes totalling 5,880' (1782 m) in the area of the Granby trenches (eastern margin of claims). In 1970 Joy Mining conducted a diamond drilling program and in 1971 unsuccessfully attempted to leach oxidized secondary copper mineralized material from the Regal trenches. In 1973 Bethlehem Copper Corporation optioned the property from Joy and drilled five diamond drill holes. The property has now been reduced to two claims covering about 42 hectares.

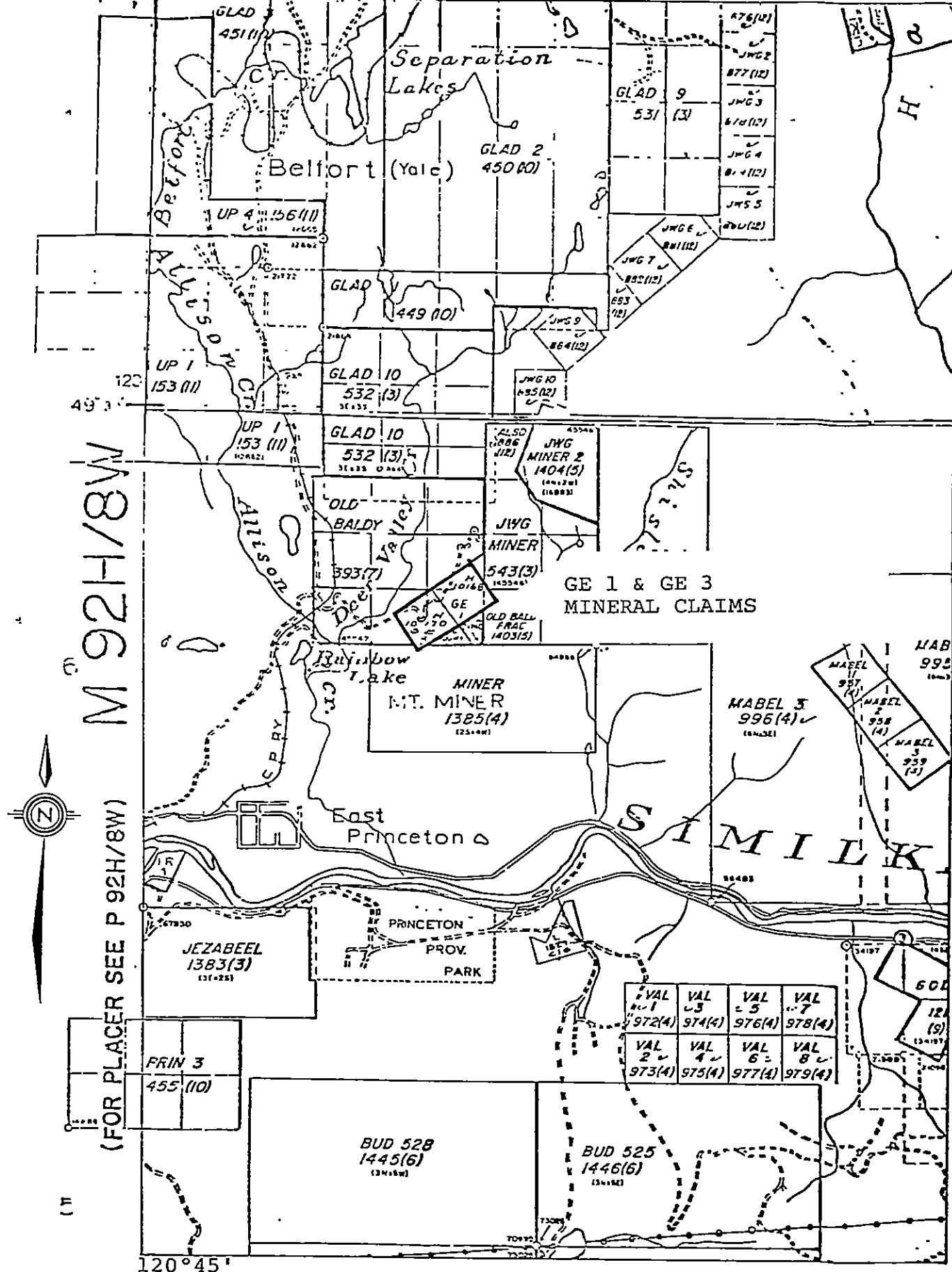


FIGURE 1. CLAIM MAP SHOWING LOCATION OF G.E. 1 AND G.E. 3 MINERAL CLAIMS. SCALE 1:50,000

GEOLOGY:

Figure 2 shows the geology of the claim area. Triassic Nicola volcanic rocks underlie most of the claim area, but west of the Nicola outcrops is a slide block that overlies Tertiary rocks of the Princeton Basin. Tertiary rocks were intersected below Triassic Nicola Volcanics at 350 ft. (106 m) in Silver Standard DDH-2 (0 + 60E 0 + 75S). A small body of micromonzonite occurs at 4 + 10E and 1 + 50S, but all other outcrops on the claim are of Nicola rocks. Volcanic rocks are generally intensely broken and sheared in areas of secondary copper mineralization. No primary copper minerals were seen on the GE claims but chalcopyrite, pyrite and minor bornite were seen in trenches at the eastern margin of the claims. Alteration intensity generally appears to increase toward the centre of the Granby Trench area with weak propylitic alteration grading to stronger epidote, chlorite, magnetite and calcite alteration. The body mapped as micromonzonite may be an expression of potassic alteration of volcanic rock.

Silver Standard DDH 3 was drilled into a crushed zone that approximately parallels the baseline shown on Figure 2 (ie N70°E). Structures appear to play a key role in localising mineralization and should be carefully recored in future drilling programs. Indications of reported northwest structural zones were not apparent from surface examination. No new showings were located during mapping and prospecting surveys.

RECOMMENDATIONS:

The near surface potential of the GE claims has been tested by trenching and diamond drilling with a subeconomic deposit of secondary copper mineralization located. Deep testing below the middle Eocene Princeton Basin provides the best chance for locating a viable copper deposit. A seismic survey to define the base of the Princeton group and two deep diamond drill holes are required to test this target.

R E F E R E N C E S

Bruaset, R.V., 1973. Magnetic survey, D.C. Property, Princeton area, Similkameen M.D., B.C. supervised by J.M. Hamilton. As. Rept. for Cominco.

Dolmage, V. and Campbell, D.D., 1963. Report on Geology of Climax Co. Property, Princeton, B.C.; August 19, 1963.

Gregotski, E.L. and Nicholls, 1963. Report on an induced polarization survey, Princeton, B.C. for Climax Copper Mines Ltd. As. Rept. # 943.

Preto, V.A., 1974, Summary Report on part of the G.E. Group (92H/8N). Unpub. B.C.M.M. open file report.

STATEMENT OF COSTS

Salaries:

Senior Geologist

2 field days @ 200/day  
1 office day @ 200/day 600

Two helpers

2 field days @ \$60/day each 240

Drafting and Office Support 100

Room and Board

Board 6 man days @ 25/day 150

Campsite, Camp gear and Equipment:  
2 days @ \$37/day 74

Truck Rental

2 days @ 30/day 60

Mileage:

100 Km @ 0.15/Km 15

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\$ 1,239

TRAVEL: Vancouver Return (1 day)

Salary:

Senior Geologist @ 200/day 200

Helper @ 60/day ea. 120

Board: 3 man day @ 25/day 75

Truck Rental & Mileage:

1 day @ 30/day 30

600 Km @ 0.15/Km 90

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515

TOTAL COST \$ 1,754



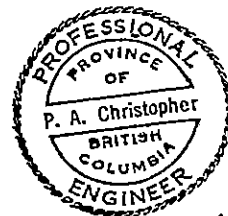
*Peter A. Christopher*

STATEMENT OF QUALIFICATIONS

The fieldwork for this report was supervised by Peter A. Christopher whose qualifications are outlined below.

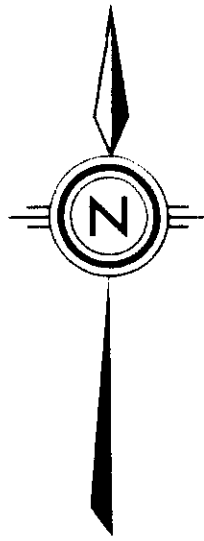
Peter A. Christopher, P. Eng., Ph.D., Exploration Manager for Peter A. Christopher and Assoc. Inc., Vancouver, British Columbia.

Completed his B.Sc. at the State University of New York at Fredonia in 1966, M.A. at Dartmouth College in 1968, and Ph.D. at the University of British Columbia in 1973. He has worked for several mining companies on porphyry, massive sulphide, uranium and gold deposits in the western United States and Canada. He served as exploration geologist for Newmont Mining Corporation, in 1973 and 1974, as project geologist with the British Columbia Ministry of Energy, Mines and Petroleum Resources, from 1974 to 1980 and as senior geologist for Utah Mines from June 1980 to July 1981. In July, 1980 he assumed his present position.



*Peter A. Christopher*





COAL MINE  
CAVED WORKINGS

IP 347488  
347

REGAL CUTS

IP 347488  
IP 347487  
IP 347495  
IP 347491

DH-2  
470' VER  
CHURN  
(FERT. @ 350)

SILV STD

GRANBY  
TRENCHES

NO TAGS

JWG

IP 447562  
IP 447563  
FP 331099

GI 25 OW

1889-3  
1889-4

1889-1  
1889-2

COCK 3-4 IP  
112FP

IF 74799  
FP 74796

MAL GYE

OLD BALDY FR

FP 62046

GI 35 IW

BDY. GE #1

DRY LK

APPROX. BDY.  
GE #3

### LEGEND

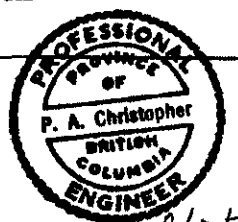
- TRENCH
- DUMP OR MUCK PILE
- OUTCROP AREA
- ROAD
- CLAIM POST
- GRID LINE
- MINE
- FRACTURE
- DIAMOND DRILL HOLE  
(INCLINED, VERTICAL)
- FENCE LINE
- NO OUTCROP
- CHIP SAMPLE

- TRIASSIC INTRUSIVE ROCKS
  - MICRO-MONZONITE OR MICRO-DIORITE
- TRIASSIC NICOLA VOLCANICS
  - EPIDOTE CALCITE HEMATITE ALTERED
  - EPIDOTE CALCITE HEMATITE UNALTERED OR WEAKLY ALTERED

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**10565**  
NO.

PAC SYNDICATE  
VANCOUVER B.C. CANADA

BALD MOUNTAIN  
NTS 92H/8W



*Peter A. Christopher*

CU PROSPECT

By: PC Date: 29/30 JULY 1981  
 Drafted: BA 10 SEPT 1981  
 Revised: \_\_\_\_\_  
 Map No. \_\_\_\_\_

SCALE 1 : 5 000

File No.