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CANADIAN SUPERIOR EXPLORATION LIMITED

PERCUSSION DRILLING REPORT

ON THE

BIG ONION PROPERTY

93L/15W

LOCATION: On Astlals Mtn., 10 miles east of Smithers, B.C.

Lat: 47° Long: 126 54'

Claim Names: JACK, JILL, RALPH, BA, AL

Work Period: May 20 - August 20, 1975

93L/15W
JACK CLAIM

Report Submitted by

J. Baker B.Sc.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 5576 MAP

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ILLUSTRATIONS:

- # 1 Location Map (1: 50,000)
- # 2 Drill Hole Plan (1" = 200')

SUMMARY

The Big Onion porphyry copper prospect is situated on Astlais Mountain, 10 miles east of Smithers, B.C., and has been explored in the past by Noranda, Texas Gulf Sulfur and Blue Rock Mining Corporation.

Previous work has included soil geochemical, I.P. and magnetometer surveys, geological mapping, trenching and approximately 25,000 feet of diamond drilling.

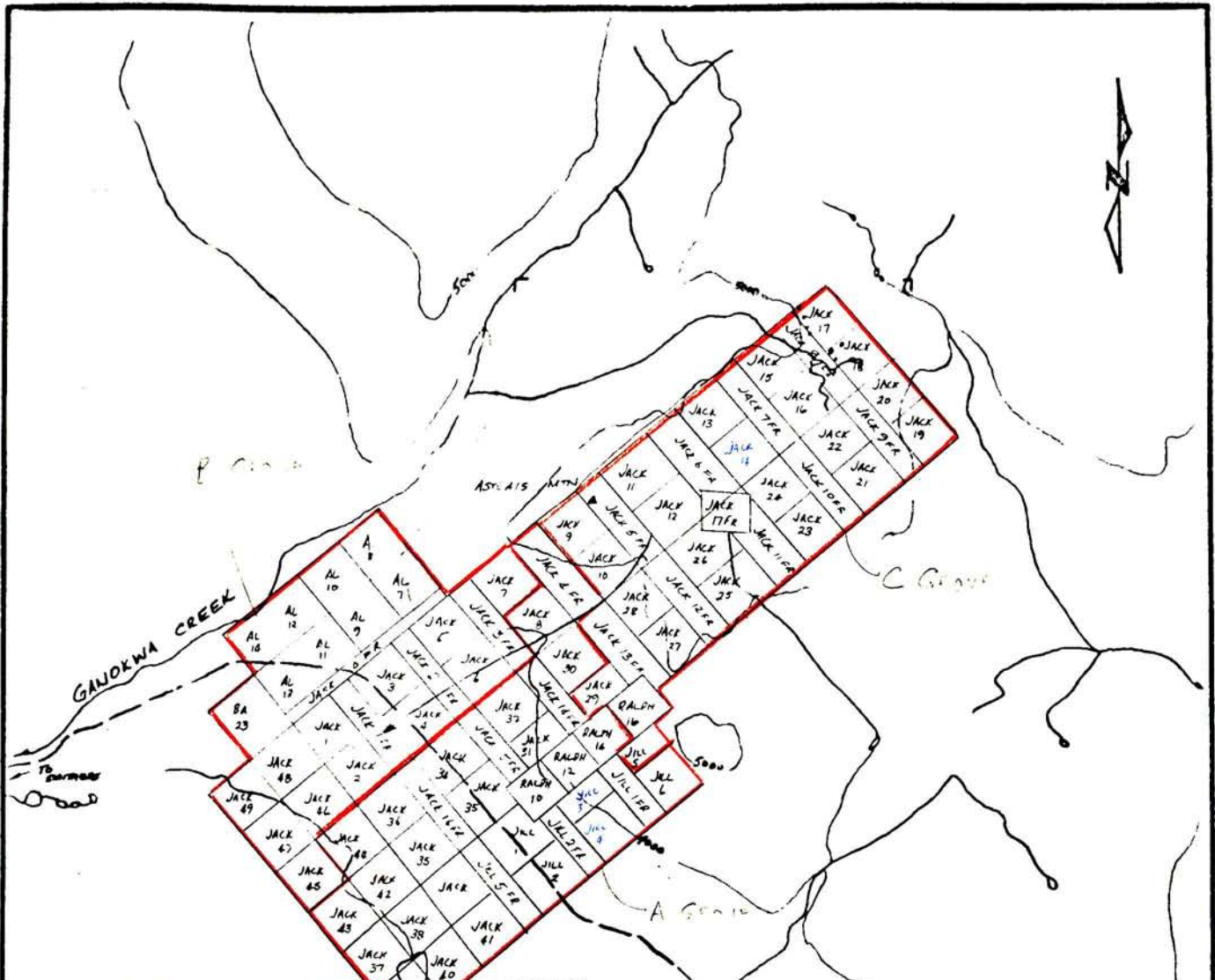
Canadian Superior Exploration Limited presently holds 89 claims in the area and during 1975 carried out a percussion drilling program involving 57 vertical holes totalling 13,200 feet using a flextrac mounted drill rig. Work was contracted to L & L Drilling Ltd. of Cache Creek and supervised under contract by W. Tompson, a geological consultant resident of Smithers.

Past and present exploration activity has focused on an elongate altered and pyritised zone along Astlais Creek, developed in and around two dike-like masses of quartz diorite porphyry which nearly coalesce at approximately 4500' elevation. The quartz diorite is largely enveloped by leucocratic quartz feldspar porphyry and both intrusives cut Hazelton Jurassic andesites.

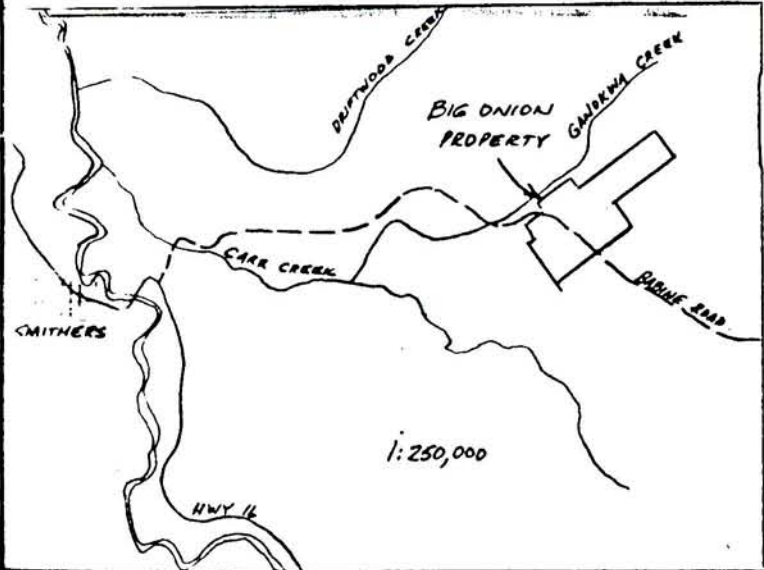
Copper and molybdenum mineralization is intimately associated with the quartz diorite porphyry and is best developed along the sheared Southeastern contact with andesite. Leaching is locally intense such that mineralized zones may in some cases have little or no surface expression.

The 1975 drilling program undertook to define more precisely known areas of better mineralization and to explore areas previously untested by drilling.

Total cost of the project was approximately \$100,000.00, however assessment credits have been applied for only on the basis of direct drilling and supervision costs totalling \$46,950.00.



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CANADIAN SUPERIOR EXPLORATION LIMITED
 SMITHERS REGIONAL OFFICE

BIG ONION PROJECT
 CLAIM MAP

draughtsman: JB SCALE: 1:50,000 DATE: AUG /75

COST STATEMENT

In support of Affidavits on Application to Record Work on the Big Onion A, B & C groups of Mineral Claims.

Costs incurred in percussion drilling and supervision of program from May 20 to August 20, 1975.

1. Percussion Drilling:

57 holes totalling 13,200 ft. @ \$2.75/ft. \$ 36,300.00
(L & L Drilling Ltd. - Contractor)

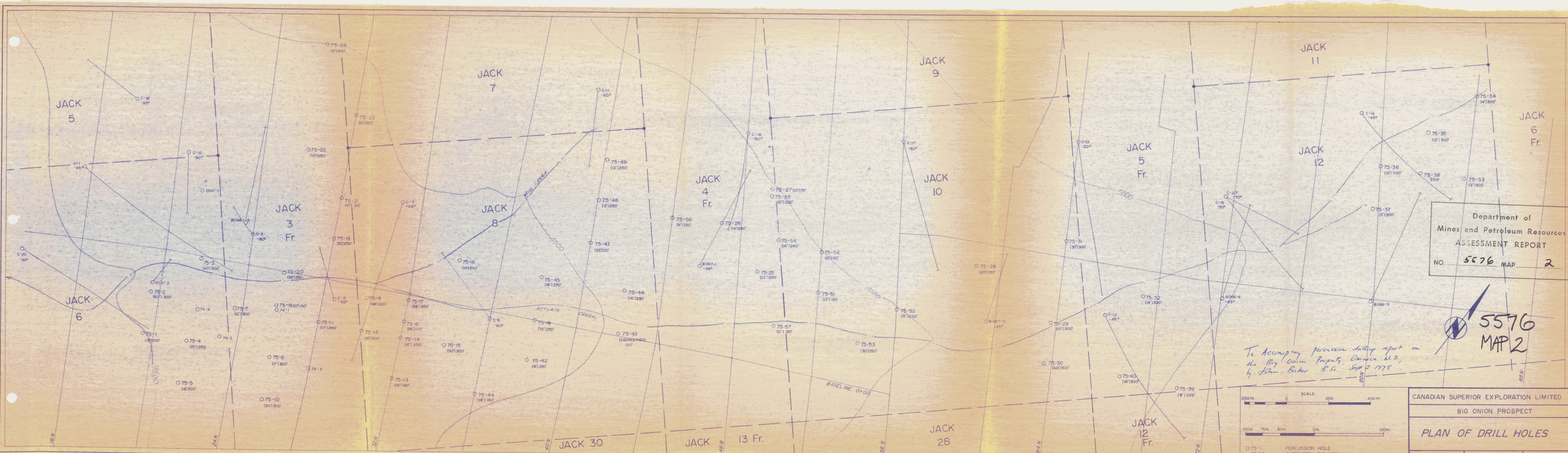
2. Project Management and Supervision:

3 months @ \$3550 per month - contract basis.
(W. D. Tompson - consulting geologist, \$ 10,650.00
R. Tompson - field assistant)

TOTAL COST \$ 46,950.00

COST DISTRIBUTION: (based on footage drilled)

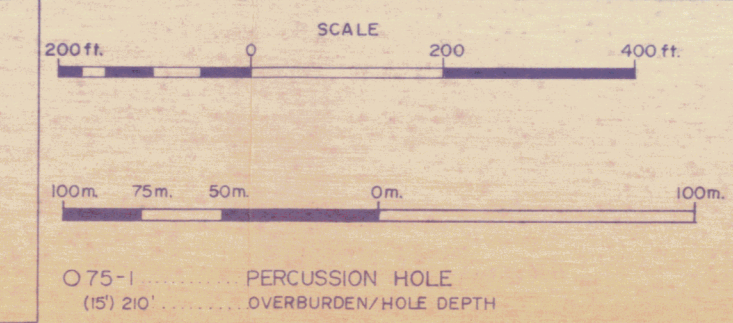
A Group - \$ 16,200.00	(80 claim years credit applied for)
B Group - \$ 13,752.50	(67 claim years applied for)
C Group - \$ <u>16,997.50</u>	<u>(83 claim years applied for)</u>
\$ 46,950.00	230 claim years applied for



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MAP 2

To accompany percussion drilling report on
the Big Onion Property, Ommeca M.D.,
by Jean Baker B.Sc. Sept 2 1975



CANADIAN SUPERIOR EXPLORATION LIMITED	
BIG ONION PROSPECT	
PLAN OF DRILL HOLES	
AUGUST-1975	NTS: 93L/15