

4304

GEOLOGICAL AND GEOCHEMICAL REPORT
REPORT

AV 5 TO AV 10

MINERAL CLAIMS RECORD NOS. 107818-23

KAMLOOPS MINING DIVISION

TEN MILES SOUTH OF CLINTON, B.C.

92 I / 13E

50° 121' N.W.

OWNER: John McGoran

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **4304** MAP

by:

John McGoran
John McGoran.

February 28 - March 4, 1973.

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INTRODUCTION

The AV Claim Group is located between Cache Creek and Clinton, British Columbia, and is underlain by a gold bearing conglomerate.

LOCATION

The AV Claims are located two miles west of the Cariboo Highway along the Maiden Creek Valley, which is ten miles south of Clinton.

ACCESS

A disused logging road passes through the Dougherty Ranch and traverses the AV Claims. This road is in good condition and is readily possible by automobile.

PREVIOUS WORK

A gold discovery in 1901 was reported along Maiden Creek in the Minister of Mines Report⁽²⁾ for that year. The writer located one of the mineral claim posts staked in 1901 on the AV 10 mineral claim.

GEOLOGY

The rock underlain by the mapped area is a portion of the Coldwater Group of Eocene Age⁽¹⁾ which is about five miles in an east-west direction and extends 30 miles in a north-south direction. These rocks dip gently northerly and lie unconformably upon the Cache Creek group.

The conglomerate has beds of several inches to several tens of feet in thickness. Some of these beds show prominent graded bedding.

Interbedded sandstone lenses of up to three feet in thickness show cross bedding and indicate a paleo water flow from the east.

These rocks have been cut by a twelve inch dark fine grained dyke and subsequently jointing has taken place. Although no displacement was noted along the joint, faults were noted in this conglomerate one mile to the north-east of the grid.

The conglomerate is, in general, friable but is, in places, competent.

GEOLOGY, continued

The rock varies from a sandstone to cobble conglomerate, however, 90% of the rock mapped is a pebble conglomerate.

The conglomerate consists of about 30% quartz fragments, 35% metamorphic rock fragments, 15% granitic and volcanic fragments in a yellow sand matrix.

GEOCHEMISTRY

The soil samples were taken along a grid from the B horizon where possible, but on the steep side hill in the vicinity of outcrop, samples may have been taken from the C horizon.

Both the B and C horizon are made up of yellow sand or gravel.

There is a 25° southeasterly slope from 400 to 1,000 feet northwest of the base line.

The minus 80 mesh fraction of the sample was analysed using the standard V.S.G.S. method.⁽³⁾ A H Br-Br solution was used to leach the gold, M.I.K.B. was used for

GEOCHEMISTRY, continued

extraction and the estimation was made by Atomic Absorption.

All analysis were performed at the Placer
Development Laboratory in Vancouver.

INTERPRETATION

At present there appears to be ^{er} irratic
gold values in this conglomerate.

Respectfully submitted,


John McGoran, B.Sc.

Vancouver, B.C.

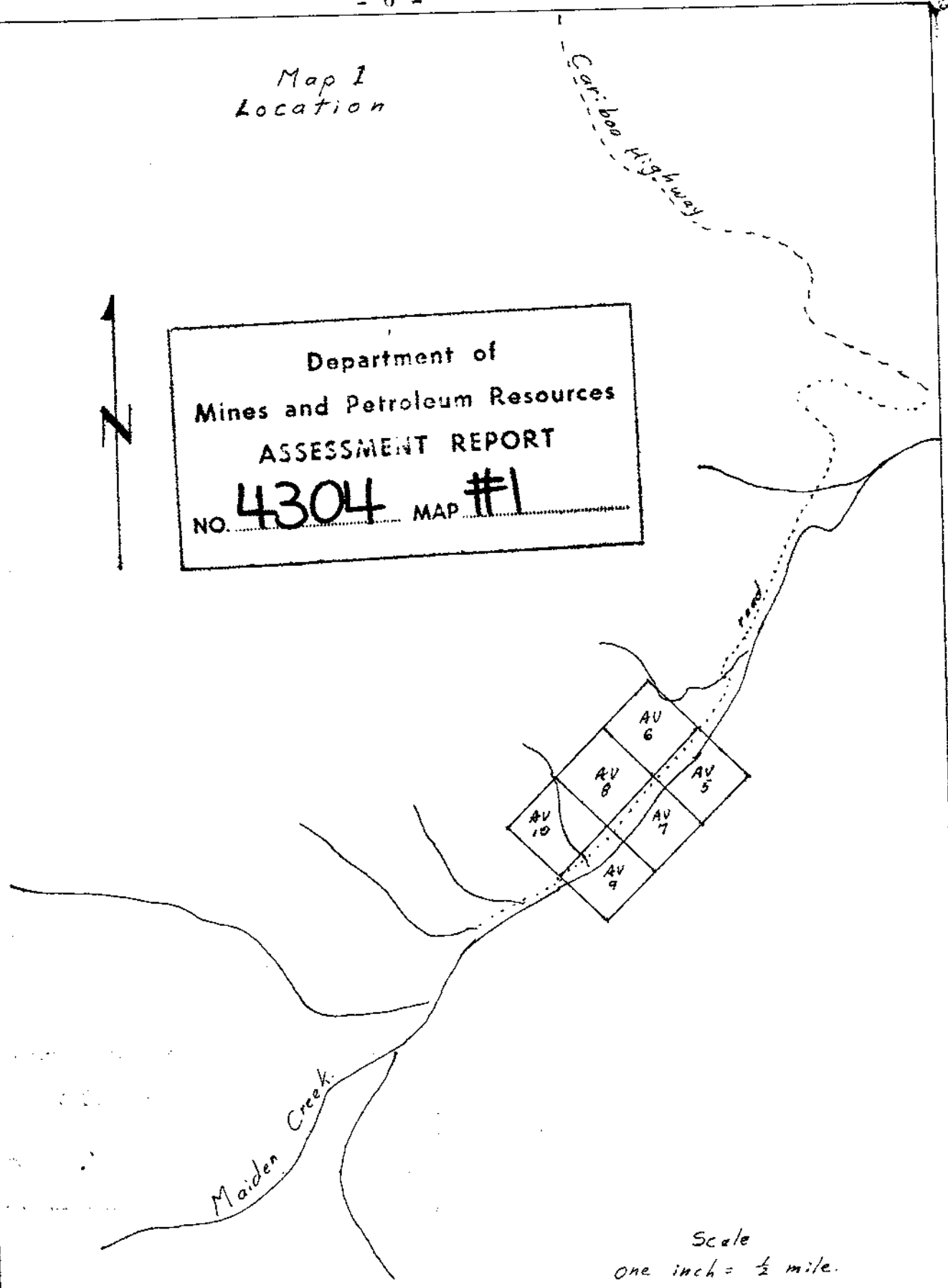
May 24, 1973.

References:

- (1) Duffells & McTaggart, K.C.
G.S.C. Memoir 262, pp 64 - 66.
- (2) Minister of Mines Report 1901,
p. 1091.
- (3) V.S.G.S. Bull 1152, 1965.

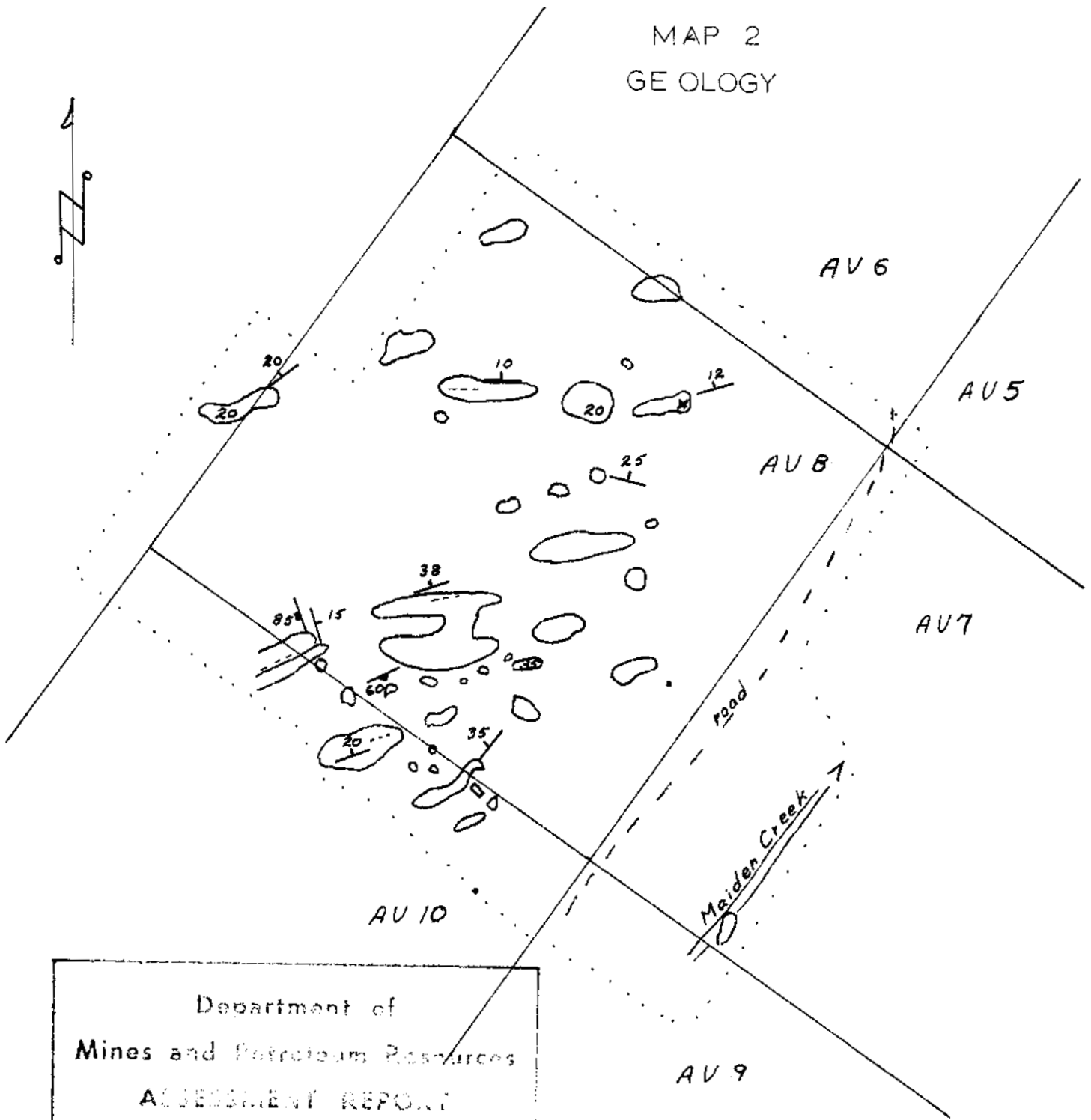
Map 1
Location

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Scale
one inch = 1/2 mile.

MAP 2
GEOLOGY

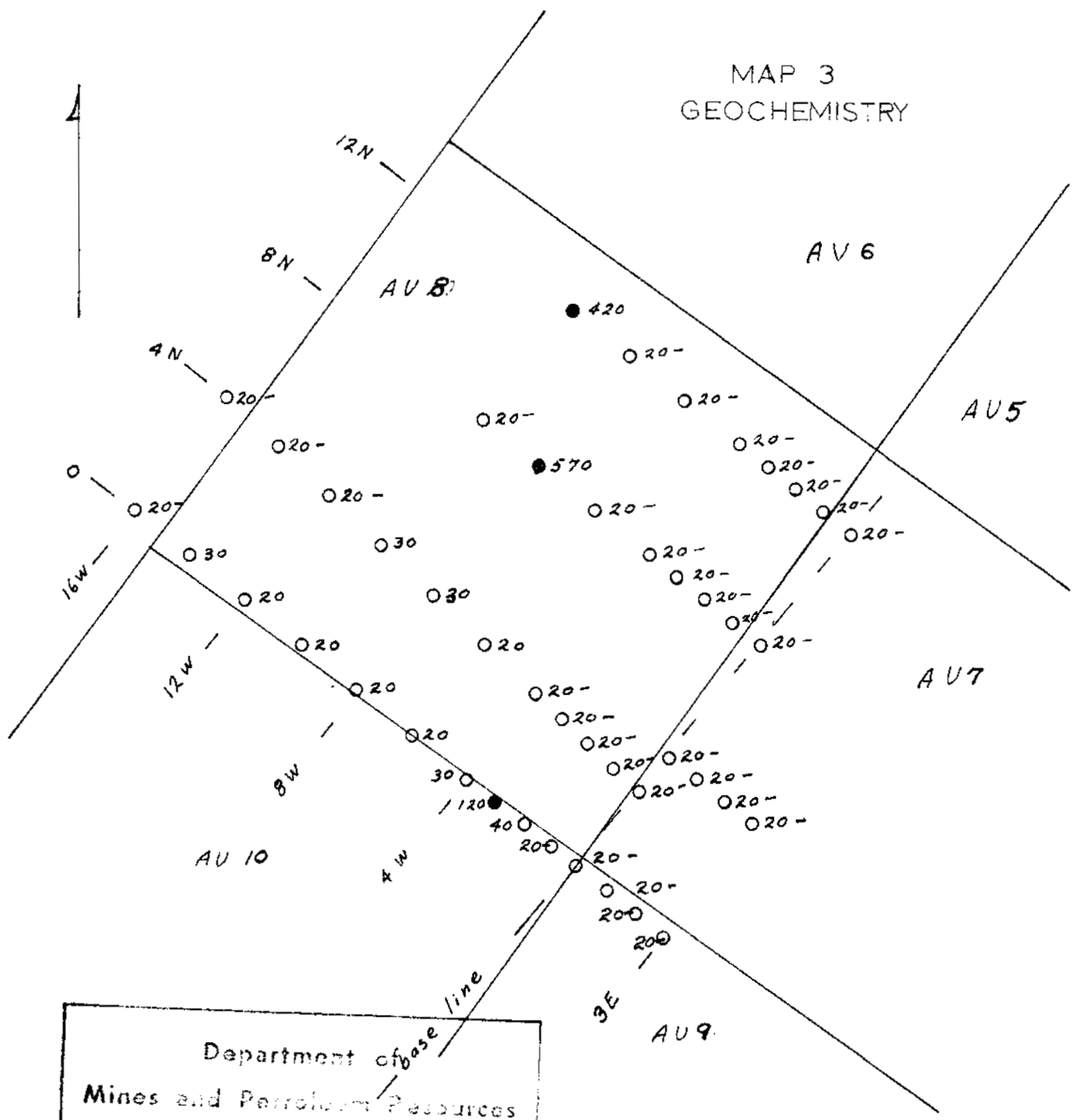


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Scale
 one inch = 400 feet

- LEGEND
- extent of area mapped
 - extent of outcrop
 - bedding, dip indicated
 - joint
 - dyke
 - 20 Conglomerate with % of quartz pebbles
 - sandstone

MAP 3 GEOCHEMISTRY



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NO. **4304** MAP **#3**

Scale
one inch = 400 feet

LEGEND
○ sample site with
gold values in
parts per billion

PLACER DEVELOPMENT LIMITED

GEOCHEMISTRY DIVISION

323 Alexander Street - Vancouver, B.C.

AREA BILL PENTLAND

ANALYST GANGES

DATE MARCH 13/73

PAGE No. _____

SAMPLE NO.	PPM IN SOIL OR SEDIMENT				P.P.M. Au			
	Mo	Cu	Zn	Pb				
ON	0W				.02-			
	1E				.02-			
	2E				.02-			
	3E				.02-			
	1W				.02-			
	2W				.04			
	3W				.12			
	4W				.03			
	8W				.02			
	10W				.02			
	12W				.02			
	14W				.03			
	16W				.02-			
11W	0E				.02-			
	1E				.02-			
	2E				.02-			
	3E				.02-			
	0W				.02-			
	1W				.02-			
	2W				.02-			
	4W				.02-			
	6W				.02			
	8W				.03			
	10W				.03			
	12W				.02-			
	14W				.02-			
	16W				.02-			
8N	0W				.02-			
	1W				.02-			
	2W				.02-			
	3W				.02-			
	4W				.02-			
	6W				.02-			
	8W				.57			
	10W				.02-			
12N	0W				.02-			
	1W				.02-			
	2W				.02-			
	3W				.02-			
	4W				.02-			

Q U A L I F I C A T I O N S

I, John McGoran, am a graduate of Carleton University with a B.Sc. in Geology (1972). I have worked in the Mining Industry for fifteen years as a prospector, geological assistant and as a manager of several exploration programmes financed by major companies.


John McGoran, B.Sc.