

GEOCHEMICAL REPORT ON
RENO #1 CLAIM
GREENWOOD MINING DIVISION

Prepared for
SAN ANTONIO EXPLORATIONS LTD.

MIN. SALE
/ 100000000
NO. **6899**

By
W. MEYER, P. ENG.

CLAIMS: Reno #1 - Greenwood Mining Division
LOCATION: Latitude 49°22'N Longitude 118°51'W
[NTS 82E/7W]
DATES: April, 1977 - September 1977

Vancouver, B.C.

March 13, 1978

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MAPS

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INTRODUCTION

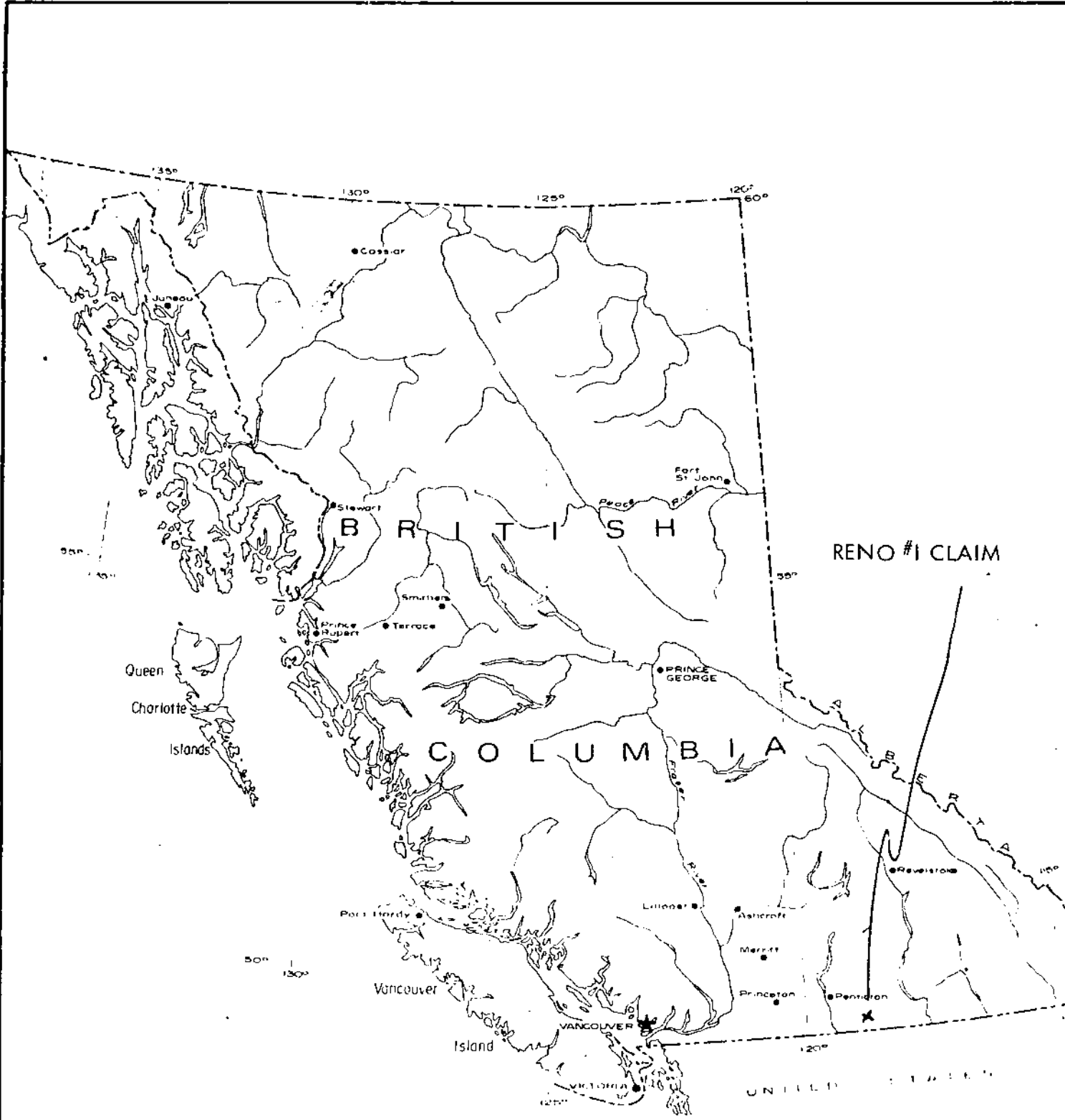
The Reno #1 claim, located near the Kettle River in the Greenwood Mining Division, covers a copper, zinc and gold-silver prospect. The claim, comprising 9 units, was staked to cover a pyritized area of Anarchist Group metavolcanics adjacent to an area which yielded stream sediments anomalous in copper, zinc, silver, with some low gold values. Limited bulldozer trenching has been carried out on the claim area in the past as well as two shallow shafts.

A geochemical survey for gold, silver, copper, lead, zinc and uranium aggregating 15,500 meters of line, was completed during 1977.

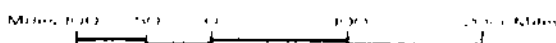
LOCATION AND ACCESS

The Reno #1 claim is situated in the Kettle River area of the Greenwood Mining Division centered around $49^{\circ}22'$ N. latitude and $118^{\circ}51'$ W. longitude. It is located on the east side of the Kettle River approximately one mile north of Lost Horse Creek and 22 miles north of the settlement of Westbridge. [See Fig.1]

Access to the area from the lower mainland is by car or pickup truck along major highways [Hwy. 1 and Hwy. 3] to Rock Creek and then north to Westbridge. From Westbridge, pavement continues for 16 miles up the Kettle River. From the end of the pavement, the claims are reached by 6 miles of well maintained gravel road.



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 PROPERTY LOCATION MAP
 British Columbia
 scale : 1" = 125 miles



The Reno #1 claim is located in an area lightly timbered with gently rolling hills having elevations varying from 1,500 feet to approximately 4,000 feet.

CLAIMS

The Reno #1 claim comprises nine units, the details of which are shown below:

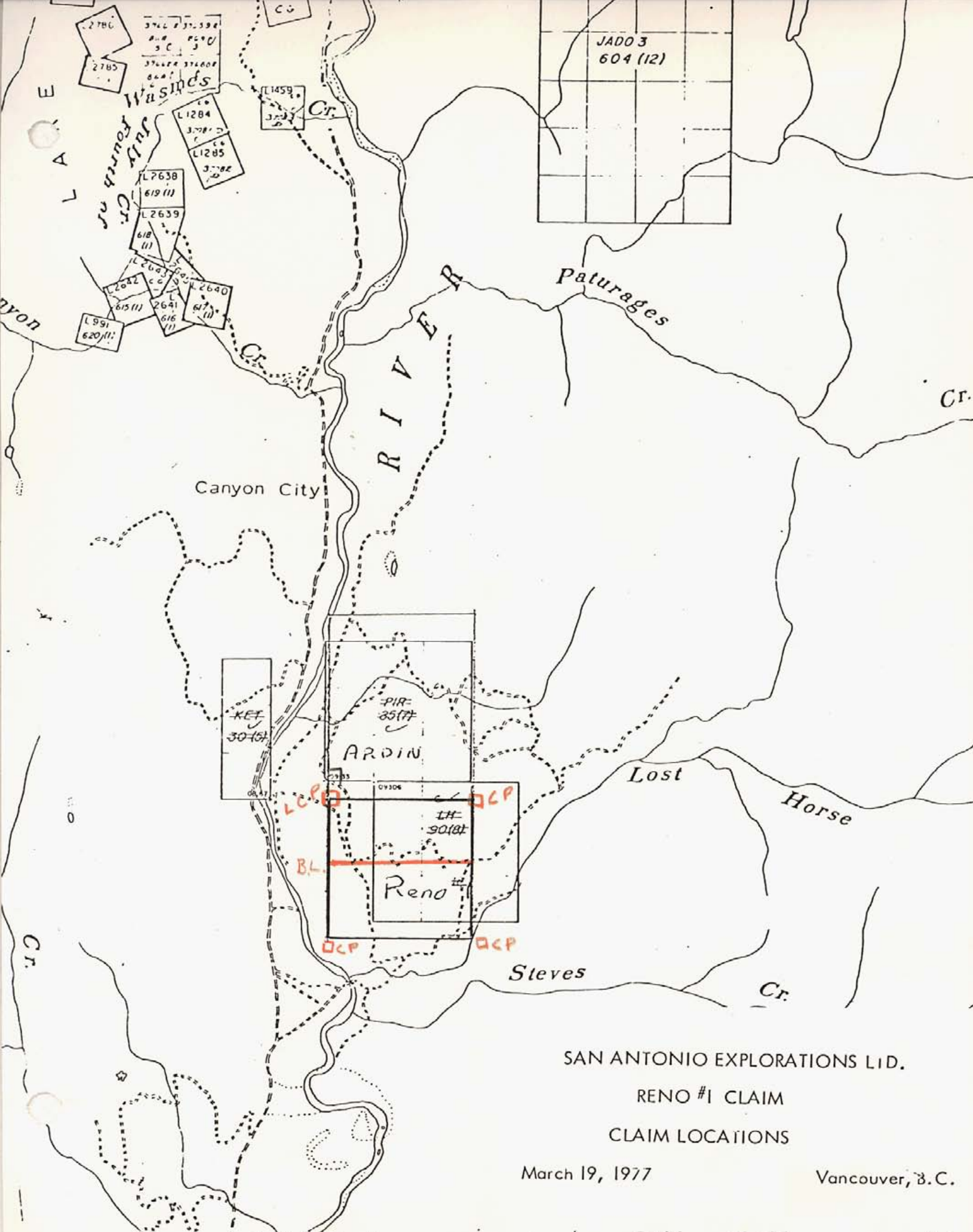
<u>Claim</u>	<u>Units</u>	<u>Record Nos.</u>	<u>Tag Nos.</u>	<u>Record Date</u>
Reno #1	9	712	-	Feb. 10, 1977

The location of the claim is shown on Fig. 2 in relation to the topography.

HISTORY

Mining activity in the Kettle River area dates back to the late 1800's. At this time, the main emphasis was on gold when the Osoyoos, Rock Creek-Camp McKinney, Beaverdale and Grand Forks-Greenwood areas were established as centers for early mining activity. The upper Kettle River has seen activity intermittently over the years since for gold-silver occurrences, base metals and some reconnaissance prospecting for uranium.

The last known work in the immediate area of the Reno #1 claim was in 1968 by Rip Van Mining [NPL] which company carried out a limited geochemical survey and bulldozer trenching in the area of a large pyritized gossan located adjacent to the Reno #1 claim. Some minor trenching on Reno #1 estimated to be approximately ten years old may have been carried out by the same company. Approximately



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RENO #1 CLAIM
CLAIM LOCATIONS

March 19, 1977

Vancouver, B.C.

fifty years ago, two shallow shafts were sunk on rusted, altered shear zones within the claim.

GEOLOGY & MINERALIZATION

Regional reference: GSC Map 6-1957
Kettle River [East Half]

The region of Reno #1 claim is underlain by a variety of rocks varying in age from Paleozoic to Tertiary. The oldest rocks within the claim are "greenstones" or metavolcanics of the Permian Anarchist Group and underlie much of the claim area.

Within the claim area, the Anarchist rocks are intruded by at least two ages of granitic dykes, these probably being related to the Lower Cretaceous Nelson and Valhalla Intrusions.

The older rocks on the claim, near the east boundary, are overlain by a belt of younger Tertiary rocks of the Kettle River Formation.

In the north claim area, an extensive pyritization occurs in silicified Anarchist Group rocks near dykes of Nelson or Valhalla Intrusions. Exposures and trenches examined by the writer locally contained sulphides to 10%, primarily pyrite and pyrrhotite with minor chalcopyrite and galena. Rip Van Mining Ltd. [NPL] in 1968, working immediately to the north of the claim, reported geochemical anomalies [anomalous in copper, zinc and silver] in two areas but their relationship to the geology and the sulphide zone are not clear.

GEOCHEMICAL SURVEY

A total of 15 kilometers of flagged, chain and compass lines of geochemical sampling was completed on the Reno claim. 131 samples were taken in the "B" horizon at 100 meter intervals along lines spaced 150 meters apart. [Figure 3]

The samples were taken with a stainless steel trowel and placed in suitably marked kraft envelopes. They were shipped to Acme Analytical Labs in Burnaby for analysis. The samples were prepared in the standard way and the -80 mesh fraction was analysed for precious and base metals by atomic absorption and for uranium by the fluorimetric method.

Initially samples were analysed for gold, silver and copper in parts per million. Later, samples in selected areas were analysed for lead, zinc and uranium.

A low order copper anomaly striking east-west is outlined near the south boundary of the surveyed area. The anomaly is approximately 300 meters long and approximately 100 meters wide. Four weakly anomalous gold values as one station anomalies are scattered through the surveyed area.

Of fifteen samples checked for uranium, two could be weakly anomalous and occur on the margins of the copper anomaly.

Closer spaced sampling should be carried out

in the area of the copper anomaly in the south and the one high gold value in the north. The samples taken in the southeast in the area underlain by Tertiary sediments should be analysed for uranium.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "W. Meyer".

W. Meyer, P.Eng.
March 13, 1978

APPENDIX

PERSONNEL & DATES:

	<u>Dates</u>	<u>Days</u>
I. Hagemoen	June 15 - 21/77	6 days
P. Bell	June 15 - 21/78	6 days
W. Meyer	June 15 - Sept. 1977	3 days

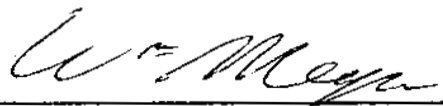
COSTS:

W. Meyer	- 3 days @ \$175/day	\$ 525.00
I. Hagemoen and P. Bell	- 6 days @ \$250/day	1,500.00
Assays		<u>475.35</u>
	Total	<u>\$2,500.35</u>

CERTIFICATE

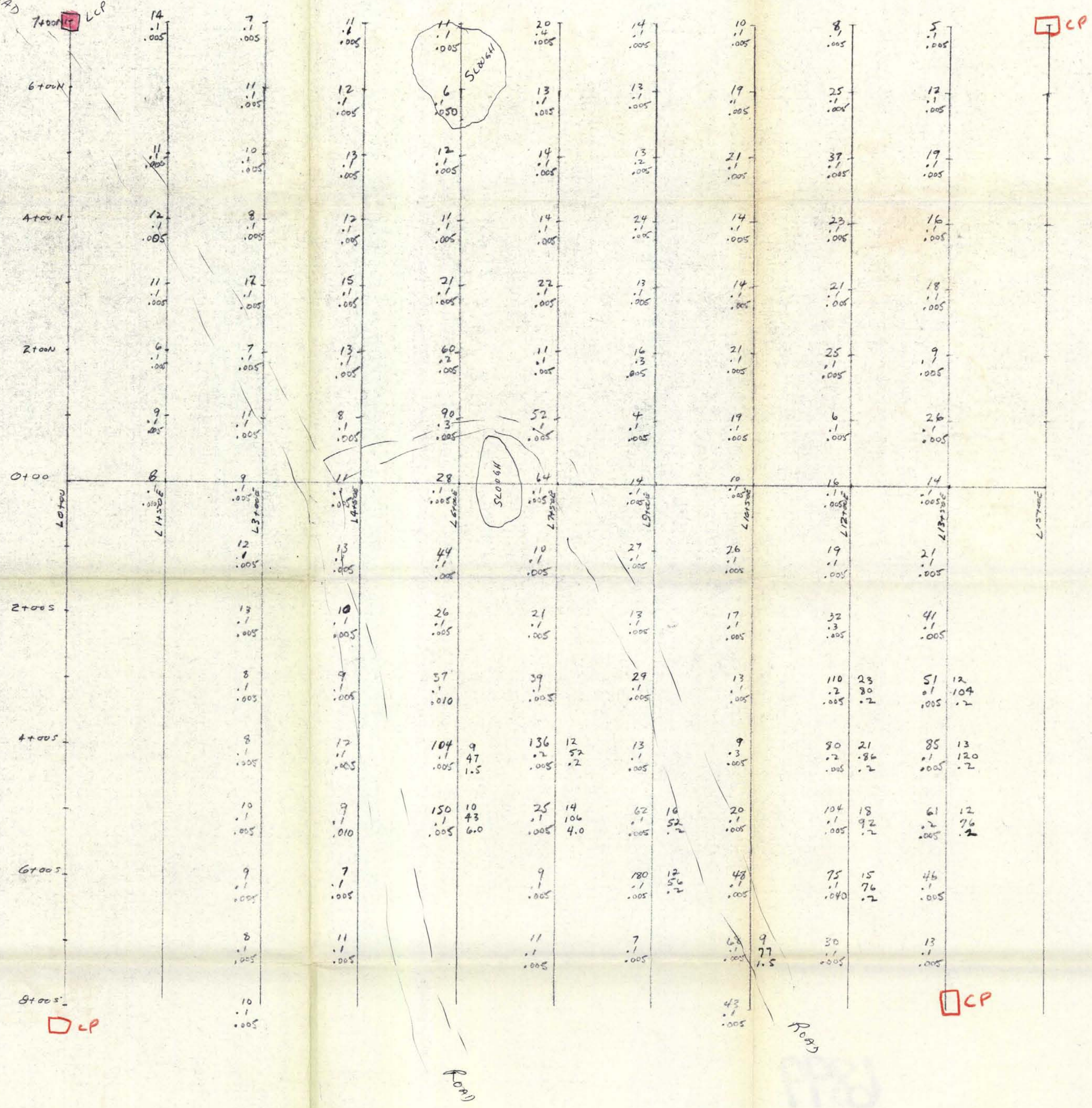
1. I am a geologist with residence at 911 Jarvis Street, Coquitlam, B.C.
2. I am a graduate of the University of British Columbia, [B.Sc., 1962].
3. I am a registered member of the Association of Professional Engineers of the Province of British Columbia.
4. I have worked as an exploration geologist for sixteen years for the following companies: Phelps Dodge Corporation of Canada Ltd.; Gibraltar Mines; Associated Geological Services Ltd.; Western Geological Services Ltd. [senior partner].
5. I have no interest, direct or indirect, nor do I anticipate receiving any, in the properties or securities of San Antonio Explorations Ltd.

DATED at Vancouver, British Columbia this
13th day of March, 1978.



W. Meyer, P.Eng.

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← TO BRIDGE
ROAD →



CU 14
AG .1
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9
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To Accomp. Geochemical Report
by W. Meyer March 13, 1978

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6899**

Fig 3
SAN ANTONIO
EXPLORATION LTD.
RENO #1 CLAIM
GEOCHEMISTRY

METERS 0 100 200

W. Meyer