

3093

COIN CANYON MINES LTD.

REPORT ON THE RUN CLAIM GROUP, LIARD MINING
DIVISION, NORTHERN BRITISH COLUMBIA.

Coordinates: 57°18'N 130°54'W.

RUN CLAIMS 1 to 26, 31 to 42, 59 to 68, 71 to 90.
TIA MARIA CLAIMS 1 to 8.
HOT PUNCH CLAIMS 1 to 10.

by:

G. C. CUTRATH, P. ENG.

APRIL 5TH, 1971

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ILLUSTRATIONS

1	Location Map	1" = 100 miles
2	Property Location Map	1" = 40 miles
3	Claim Index Map	1" = 4 miles

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Geochemical Analyses

MAPS IN POCKETS

4	Preliminary Geological Map	1" = 400 feet
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RUN CLAIM GROUP

LIARD MINING DIVISION

NORTHERN BRITISH COLUMBIA

INTRODUCTION

The Run Claims No's. 1 to 16 were staked by the writer in May 1970. The claim group was examined for Coin Canyon Mines Ltd. in early August, and again in September. The writer has spent a total of nine days on the property carrying out photo-geological mapping and geochemical soil and silt sampling.

SUMMARY

The Run Claim Group is located in Northern British Columbia, 43 miles south of Telegraph Creek. Access to the property is by helicopter.

The writer and an assistant spent four days in August 1970 examining the property and collecting 220 soil samples. This examination indicated an extensive area of disseminated copper mineralization in an altered syenite porphyry.

In September, the writer and a four-man crew staked an additional 52 claims, cut and surveyed approximately 27,000 feet of crosslines, collected 544 soil samples and mapped the property geology in a very preliminary fashion.

The Run Claim Group is underlain by a northeasterly trending syenite porphyry intrusive that has an average width of 3000 feet and has been traced along strike for 20,000 feet. The intrusive is in contact on the east with massive, layered andesite volcanics.

The copper mineralization occurs as chalcopyrite and minor bornite and chalcocite in feldspathized, carbonatized and weakly silicified syenite. Finely disseminated chalcopyrite associated with specular hematite has been found over large areas in the more intensely altered and fractured syenite.

Normally, less than 2% pyrite occurs in the altered syenite, but a highly pyritized and kaolinized zone has been traced along the eastern contact of the syenite for approximately 2000 feet.

SUMMARY (cont'd)

A total of seven samples were taken for assay from one area of the altered syenite. The chip samples were taken from the weathered outcrop surface across lengths varying from 18 feet to 100 feet. The samples varied from 0.09% copper to 0.16% copper, and averaged 0.12% copper. Two grab samples were collected from an area of highly-altered syenite 7400 feet to the north of the first sample area. One sample assayed 0.41% copper with no gold or silver and the other sample assayed 2.51% copper, 0.10 oz./T gold, and .60 oz./T silver. The second sample assayed higher for copper than visually estimated, possibly indicating the presence of chalcocite and the significant amount of gold and silver was completely unexpected.

The soil sample analysis indicated the copper background in the Run Group area to be in the range of 20 to 50 ppm. and that samples over 80 ppm. are weakly anomalous and over 100 ppm. are definitely anomalous. The soil survey outlined a significant copper anomalous zone 8000 feet long and up to 3000 feet wide.

The Run Group is in an area of rapidly improving economic conditions. Four miles to the north of the Run Group, a major copper-molybdenum porphyry-type deposit is being developed by Hecla Mining. Road access to the property will pass within ten miles of the Run Claim Group. On completion of the Stewart-Cassiar Highway, the Run Group will be within 200 miles of tidewater.

CONCLUSION

The results of the initial exploration program carried out on the Run Claim Group by Coin Canyon Mines Ltd. has been very encouraging. The soil sampling has outlined a significant copper anomalous area that is a minimum of 8000 feet long and up to 3000 feet wide. The anomaly is coincident with a very favourable geological environment that is typically associated with copper-porphyry type deposits. Disseminated copper mineralization in varying amounts has been found throughout the area.

The copper anomalous area outlined by the geochemical and geological surveys is an excellent exploration target. Additional work is warranted to find the most favourable mineralized area for testing by core drilling.

RECOMMENDATIONS

It is recommended that the following exploration program be carried out on the Run Claim Group:-

PHASE I

(1) Line Cutting:

Expand the present grid at 500-foot intervals to North Creek and to South Creek. Fill in the lines to the east of Porphyry Lake.

(2) Geophysical Surveys:

(a) Magnetic Survey - the entire grid should be magnetometer surveyed.

(b) Induced Potential Survey - the area between Central Creek and Porphyry Lake, and from Mess Creek to the eastern contact of the syenite porphyry, should be covered by an I.P. Survey. A large portion of this area is covered by thin overburden.

(3) Geochemical Survey:

Collect soil samples at 100-foot intervals on all the lines and analyse for copper and molybdenum.

RECOMMENDATIONS (cont'd)

PHASE I (4) Geological Mapping:

Map the geology of the area covered by grid lines on a scale of 1 inch = 200 feet.

(5) Trenching:

There are a number of mineralized areas outlined by the initial program that warrant trenching and detailed sampling. The trenching can be done by two men using a Cobra-type drill.

PHASE II (1) Core Drilling:

The initial program has indicated three areas as potential drill targets. The results of "Phase I" will define these targets and in all probability will indicate additional areas with as much, or more, potential.

It is estimated that 5000 feet of BQ wireline drilling will be completed during the first stage of the drill program.

Schedule of Recommended Program:

Actual field work on the Run Claim Group could start on, or about, June 1, 1971. The winter snow pack and the rate of the spring breakup will have the most influence on the following schedule:-

- PHASE I to March 31st camp equipment, field gear, expediting, field communications, helicopter charter, map preparation, and survey contracts, should be identified by this date.
- April-May 15th mobilization of all equipment and supplies to the Shaft Creek airstrip.
- May 15-20 the expediter and three labourers, and all camp equipments and supplies will be flown from Shaft Creek by helicopter to the base camp location at the north end of Porphyry Lake.

RECOMMENDATIONS (cont'd)

Schedule of Recommended Program (cont'd)

May 20-31	base camp construction, trail clearing and the start of the line cutting. All the personnel will be at the camp before May 31st,
June 1-30	completion of 60,000 feet of line cutting, soil sampling, magnetometer survey, largest portion of the geological mapping and trenching. The I.P. Survey would be started on June 15th and could be completed by June 31st, if weather conditions are good,
<u>PHASE II</u> July 1-15	finalization of all surveys, compilation and interpretation of data,
July 15-30	defining drill targets, drill site and drill camp preparation. Expediting drill equipment and support personnel to Run Group, and
August 1- November 1	diamond drilling: two ten-hour shifts. All drill moves made by helicopter. Between 3000 and 5000 feet of drilling could be completed by November 1st.

Cost of Recommended Program:

PHASE I Mobilization:

(a) Supervision	\$	1,000.00
(b) Labour: two men for ten days @ \$30.00/day	\$	600.00
(c) Camp gear, field equipment, fuel, plywood, lumber, miscellaneous supplies	\$	2,000.00
(d) Radio Telephone	\$	400.00
(e) Transportation: scheduled aircraft	\$	1,500.00
freight	\$	1,000.00
helicopter (10 hrs. @ \$145.00)	\$	1,450.00
(f) Camp Costs: food, propane, etc.	\$	<u>500.00</u>
	\$	8,650.00

Field Work:

(a) Supervision & Geological Mapping:			
	one geologist, 2 months @ \$2,000.00/M.	\$	4,000.00
(b) Labour:	six line cutters including soil sampling, geological assistant, etc.		
	135 man days @ \$30.00/day	\$	4,050.00
(c) Trenching:	30 man days @ \$30.00/day - \$ 900.00		
	Cobra drill..... - \$1000.00	\$	1,900.00
(d) Magnetometer Survey & Data Compilation:			
	1 man, 20 days @ \$50.00/day	\$	1,000.00
(e) Induced Potential Survey:			
	15 days @ \$325.00/day	\$4875.00	
	Transportation.....	<u>\$1000.00</u>	\$ 5,875.00
(f) Transportation:			
	Helicopter-15 hrs. @ \$145.00/hr.	\$	2,175.00
	Scheduled Aircraft and Freight	\$	600.00
(g) Geochemical Analysis: 300 samples @ \$2.00/S.		\$	600.00
(h) Assaying: 50 samples @ \$5.00/sample		\$	250.00
(i) Consulting: ten days @ \$150.00/day		\$	<u>1,150.00</u>
		\$	21,600.00

<u>PHASE I</u>	<u>Mobilization:</u>	\$ 8,650.00	
	<u>Field Work:</u>	<u>\$21,600.00</u>	
		\$30,250.00	
	Contingencies @ 10%	<u>\$ 3,025.00</u>	
		<u>\$33,275.00</u>	

PHASE II Diamond Drilling:

(a) Mobilization		\$	5,000.00
(b) 5000 feet of BQ wireline drilling @ \$17.00/ft. (overall cost)		\$	85,000.00
(c) Demobilization:		\$	<u>3,000.00</u>
		\$	<u>93,000.00</u>

PHASE II Diamond Drilling: (cont'd)

Brought Forward: \$ 93,000.00
Contingencies @ 10%..... \$ 9,300.00

\$ 102,300.00

TOTAL PHASE I \$ 33,275.00

TOTAL PHASE II \$102,300.00

\$135,575.00

CLAIMS:

A total of 68 contiguous claims have been staked by Coin Canyon Mines Ltd. on the east side of Mess Creek in the Liard Mining Division of British Columbia.

<u>Claim Name</u>	<u>Record Number</u>	<u>Expiry Date</u>
RUN # 1 - 16	44685-44700	June 5, 1971
RUN # 17 - 20	46277-46280	Aug. 19, 1971
RUN # 21 - 26	49754-49756	Oct. 19, 1971
RUN # 31 - 42	49760-49771	Oct. 19, 1971
RUN # 59 - 68	49814-49823	Oct. 19, 1971
RUN # 71 - 78	49824-49831	Oct. 19, 1971
RUN # 79 - 90	49772-49783	Oct. 19, 1971

Coin Canyon Mines Ltd. has optioned a total of 18 claims from Northern Valley Mines Ltd. that adjoin the Run Claim Group on the south. They are as follows:-

<u>Claim Name</u>	<u>Record Number</u>	<u>Expiry Date</u>
TIA MARIA # 1-8	37631-37638	May 29, 1972
HOT PUNCH # 1-10	37621-37630	May 29, 1972

PERSONNEL:

G. Gutrath, P.Eng., geologist. Supervision, Geological mapping and report compilation.

A. W. Giesbrecht, geochemical technician. Soil and silt sampling and line surveying, drafting.

J.R. Lerner, geochemical technician. Soil and silt sampling and line surveying.

G. Giesbrecht, line cutter.

H. Ball, line cutter.

GEOGRAPHY:

Location:

The property is located in northwestern British Columbia 43 miles south of the community of Telegraph Creek, and four miles south of the Hecla-Silver Standard copper-molybdenum property on Shaft Creek. Stewart, British Columbia, is 100 air miles to the south and Whitehorse, Yukon is 280 air miles to the north. Coordinates of the property are 57° 18'N and 130° 54'W.

Access:

The nearest point on the Stewart-Cassiar Highway is 22 miles to the east of the Run Claim Group. From this point on the highway to Cassiar, B.C. and Watson Lake, Yukon, is respectively 150 miles and 230 miles to the north. The Stewart-Cassiar Highway is expected to be completed to Stewart (on tidewater at the head of Portland Canal) in 1971 or 1972. There is no road access to the Run property, but bulldozers have been walked from the highway into the Hecla-Silver Standard Shaft Creek property.

At the present time, access to the property is by helicopter. Small float-equipped planes have landed on Porphyry Lake, but the lake is too short to take-off from with heavy loads. Hecla have constructed a gravel airstrip on Shaft Creek that can be used by DC-3 aircraft. During the summer of 1970 there were four weekly DC-3 flights into Shaft Creek; two from a Terrace base, and two from a Vancouver base. There were also two weekly Otter flights from the Terrace base. A G3B-1 helicopter was based at the Hecla camp from May to September of 1970. The round trip from Shaft Creek to the Run Group takes from 15 to 20 minutes by helicopter.

Future access to the property will depend on the development of the Hecla-Silver Standard property at Shaft Creek. From the Shaft Creek property there are two possible road routes to connect with the Stewart-Cassiar Highway. One route is down the Mess Creek Valley, across Raspberry Pass and into the Iskut Valley south of Kiniskan Lake. This route would be approximately 40 miles long and would pass ten miles north of the Run Group. The second route is up the Mess Creek Valley, into the More Creek Valley and across the Iskut River to the highway. The route would pass through the Run Group and would be approximately 48 miles long, and would come out onto the highway 34 miles closer to Stewart than the first route.

The Pacific Great Eastern Railway is presently surveying a route from its railhead at Fort St. James to Dease Lake. The rail

GEOGRAPHY (cont'd)

Access: (cont'd)

route would go up the Klappan River Valley, 20 miles to the east of the Stewart-Cassiar Highway.

Topography:

The head waters of the north-south Mess Creek Valley are at an elevation of 3500 feet, and at its confluence with the Stikine River 58 miles to the north its elevation is 600 feet. The Run Claim Group is on the east side of the Mess Creek Valley, and extends from the creek at an elevation of 2300 feet to the edge of the plateau at an elevation of 4500 feet. From Porphyry Lake to North Creek there is a gently rolling bench varying in widths from 500 to 2500 feet and with varying relief of approximately 200 feet. From the bench the valley rises sharply to the east in a series of steep bluffs.

Climate:

The Run Claim Group is located on the east flank of the Coast Range, midway between the interior drybelt and the coast rain belt. Rainfall is estimated at 40 inches per year and compacted winter snowfall may be as much as six feet. The majority of the area would be clear of snow from June 1st to October 15th. Temperatures range in the summer from +32° to +60°, and in the winter from +32° to -50°. Climate conditions in the Run Group area would be very similar to those at Cassiar, B.C. where an open-pit asbestos mine is operated year round.

Vegetation:

The Mess Creek Valley is heavily timbered to the 3500 foot elevation. The valley bottom is covered by spruce, hemlock and fir, suitable for a good grade of lumber. Steep slopes subject to snow slides are covered with a thick growth of alder and patches of devil's club. Scrub balsam grows up to 4500 foot elevation.

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REPORT ON THE RUN CLAIM GROUP

LIARD MINING DIVISION

NORTHERN BRITISH COLUMBIA

Coordinates: 57° 18'N and 130° 54'W.

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Run # 79 - 90	49772-49783
Tia Maria # 1 - 8	37631-37638
Hot Punch # 1-10	37621-37630

by

G. GUTRATH, P. ENG.

April 5, 1971

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 3093 MAP

HISTORY AND DEVELOPMENT

The Mess Creek area received considerable attention in the mid 1950s. During this period, both Newmont Mining Corporation of Canada Ltd. and Silver Standard Mines Ltd. had extensive prospecting programs, north and south of Telegraph Creek. These programs resulted in Silver Standard finding the copper-molybdenum property at Shaft Creek, now being developed by Hecla; and Newmont discovering the copper porphyry that is now covered by the Run Claim Group. During the winter of 1956, Newmont staked the majority of the Mess Creek Valley south of Mess Lake. Newmont explored the claim block in 1957 from a base camp located at the north end of Porphyry Lake. From evidence on the property, it would appear that Newmont cut five east-west control lines at 1000-foot intervals. One small drill site was found approximately 800 feet to the east of Porphyry Lake. Newmont allowed all their claims to lapse. There is no evidence of other companies having done any additional work on the property.

In 1965, the Silver Standard still held four of the original Bird Claims that were staked in 1957 to cover the copper-molybdenum discovered on the pass between Shaft Creek and Mess Creek. During that year a small exploration program was carried out by Silver Standard on the property and additional claims were staked. In 1966, the entire property was transferred to Liard Copper Mines Ltd. Silver Standard holds 66% of the company, with the remainder held by McIntyre Porcupine Mines Ltd., Kerr-Addison Mines Ltd., and Dalhousie Oils Ltd. In 1966, American Mining, Smelting & Refining Company optioned the property and carried out an intensive exploration program, consisting of geological and geophysical surveys, bulldozer trenching, and 10,939 feet of diamond drilling. Asarco continued their exploration program to August 1967, when they terminated the agreement.

In late 1967, the property was optioned to Hecla Operating Company. Hecla, in 1968, completed additional geophysical surveys; a DC-6 bulldozer cut 17,145 feet of trenches and nine diamond drill holes, totalling 13,095 feet were completed. Hecla continued their program through 1969, drilling an additional 15,501 feet. From May to November of 1970, two diamond drills and one percussion drill worked continuously on the property.

Published indicated reserves are 240 million tons of .53% combined copper-molybdenum mineralization. If lower grade material were to be eliminated, the reserves would be 160 million tons of .615% combined copper-molybdenum mineralization. Unofficial estimation of the overall tonnage potential of the property is between 500 million and one billion tons.

GEOLOGY

(The area from Dease Lake south to Stewart, B.C., and bounded on the west by the Stikine River and on the east by the Nass River, was geologically mapped in a very preliminary reconnaissance fashion by the Geological Survey of Canada in 1957. Portions of the areas were not covered by this survey because of access problems, snow cover, or simply a lack of time. The Run Group area on the east side of Mess Creek is denoted on the survey as being unmapped.)

General Geology:

The Run Claim Group is located in a distinct physiographic and geologic belt. The belt is bounded on the west by the Coast Range mountains comprised of lower to post-Jurassic granodiorite and minor diorite, and on the east by the Spectrum Range that is made up of late Tertiary and Pleistocene Basaltic and related pyroclastics.

The north-south trending belt, which contains the Run Group and the Hecla-Silver Standard copper-molybdenum property is composed of an altered, folded complex of Jurassic and Triassic volcanic rocks and intercalated sediments. Intruding this older series are Coast Range, Triassic and quartz monzonite dikes and stocks.

Property Geology:

There has not been enough mapping done to compile a complete geological picture of the Run Claim Group. The majority of the claim block is underlain by a syenite porphyry, believed to be Tertiary Age, that has intruded Triassic volcanic rocks of andesite composition. This area is cut by a number of strong faults that appear to have an influence on the distribution of the copper mineralization.

(a) Volcanics:

Extensive areas of volcanic rocks outcrop to the east, and are in contact with the syenite intrusive that outcrops along Mess Creek. The volcanic are predominantly andesite in composition and are composed of interlayered tuffs, porphyritic flows, breccias and fragmentals.

GEOLOGY (cont'd)

Property Geology: (cont'd)

(b) Sediments:

Minor, thin, irregular sections of argillaceous tuff beds are intercalated with the more massive bedded volcanics. The only other sedimentary formation located is in the northeast corner of the claim block. A very prominent bluff of white, massive, crystalline limestone outcrops just to the north of North Creek. The extent of this formation has not been determined.

(c) Intrusives:

The most prominent rock type in the Run Group is the syenite porphyry intrusive. The intrusive has been traced for 20,000 feet in a north-south direction and up to a maximum width of 3500 feet. The majority of the intrusive has undergone varying degrees of alteration. In the southeast portion of the claim group, the syenite is relatively fresh. In hand specimen it is orange coloured, with medium grained anhedral to subhedral light grey phenocrysts in an aphanitic to a very fine grained groundmass, that is predominantly composed of a light orange coloured feldspar. The rock is silica deficient and quartz was not recognized as a primary mineral. Less than 5% fine grained biotite and altered hornblende is found in fresh and weakly altered syenite porphyry.

The syenite porphyry was the only intrusive located on the property.

(d) Alteration:

The syenite porphyry seldom has a fresh crystalline appearance as a result of pervasive feldspathization. It appears to be predominantly potassic feldspathization, or a mixture of potassic and soda feldspathization, containing finely disseminated microscopic hematite, both of which could result in the orange colouration of the altered intrusive. Normally the fine grained mafics are chloritized or completely replaced. Silicification is not extensive and has only been noted in a few areas, although fine quartz veining is not unusual. The majority of the intrusive has been carbonatized to varying degrees. All the collected hand specimens of syenite intrusive will effervesce in 10% HCl. The carbonate mineralization is commonly a light creamy orange colour and occurs in fine veinlets and as irregular blebs.

GEOLOGY (cont'd)(d) Alteration: (cont'd)

The andesite volcanics are weakly chloritized and epidotized. Near their contact with the syenite the volcanics are K-feldspathized, but normally as reticulated veining rather than pervasive alteration. The volcanics have been intensely chloritized along major fault zones that outcrops in the northeast area of the claim block.

(e) Structure:

The north-south Mess Creek Valley forms a major physiographic and possibly a major structural break between the Coast Range mountains on the west, and the interior plateau on the east. This structure forms the western boundary of the Run Claim Group.

Another major structural feature runs along the east side of Porphyry Lake and to the north forms a distinct depression that is marked by a number of swamps. This zone is probably an intensively sheared and fractured fault zone that subparallels the Mess Creek Valley. The eastern edge of this zone may be represented by the highly sheared, fractured and altered syenite porphyry that is exposed at the mouth of the canyon in Centre Creek. In the north-eastern portion of the claim block, there are areas of the andesite volcanics that have been intensely sheared and altered to a chlorite schist. These are believed to represent major faults or fault-contact zones.

A number of strong shear zones have been recognized on the Run Claim Group. The shear zone starting at Mess Creek and running along the west side of the small lake can be traced for only a short distance in outcrops, but from the aerial photographs it appears to be a major southeasterly trending structure that can be traced for over 10,000 feet. The outcrop on the west side of the lake is strongly sheared in a southeasterly direction and dips 60° to the southwest.

A dominant structural feature on the Run Claim Group is formed by the linear-shaped syenite prophyry intrusive that trends in a north to south easterly direction. The dip of this intrusive sheet has not been determined.

GEOLOGY (cont'd)Property Geology: (cont'd)(e) Structure: (cont'd)

A number of strong lineaments can be interpreted from the aerial photographs. The lineaments have a predominant north-south and northeasterly trend with a few southeasterly cross-cutting trends. Only a limited number of photographs of the Mess Creek Valley have been examined, but it definitely appears that the density of fracturing on the Run Claim Group, and particularly to the north and east of Porphyry Lake, is much greater than the immediate surrounding area.

(f) Mineralization:

Chalcopyrite is finely disseminated throughout the majority of the syenite porphyry examined. In areas that are more intensely altered, it occurs as narrow, discontinuous veinlets and blebs, and in quartz and carbonate veinlets. The percentage of chalcopyrite increases in the more intensively feldspathized and carbonatized syenite, and it also increased with an increase in the amount of fracturing and shearing. Chalcopyrite is also found in the feldspathized portion of the volcanics. Disseminated bornite and chalcocite has been found in the vicinity of Centre Creek, but the extent of these zones is not known. Specular hematite is closely associated with the chalcopyrite mineralization. From 1% to 5% hematite is commonly disseminated in the altered intrusive. Pyrite content is low; from 1% to 2% in the majority of the copper mineralized intrusive, but an intense pyritic halo occurs along the east contact of the intrusive. The pyrite content in this highly altered kaolinized zone varies from 5% to 10%. This zone has been traced in a north-south direction approximately 2000 feet and it appears to be at least 200 feet wide.

SAMPLING AND ASSAYING

A total of six samples were taken from the weathered surface of easily accessible outcrops on the Run # 19 and 20 claims.

<u>Location No.</u>	<u>Sample No.</u>	<u>Length Sampled</u>	<u>Copper %</u>
S-1	62001	18'	0.13
S-2	62002	45'	0.16
S-3	62003	30'	0.11
S-3(a)	94951	20'	0.16
S-4	62004	40'	0.09
S-5	62005	100'	0.13
S-6	62006	53'	0.09

Arithmetic Average: 0.12% Copper

Two samples collected from outcrops exposed in Centre Creek were assayed for copper, gold and silver. S-7 is from a carbonatized-feldspathized zone, cut by irregular quartz veinlets associated with hematite, chalcopyrite and possibly some chalcocite. S-8 is from a bleached, light grey feldspathized and weakly silicified zone, approximately 1000 feet up the creek from S-7. Fine grained chalcopyrite is disseminated throughout the zone. There has not been enough detailed mapping done to determine the extent of these zones.

<u>Location No.</u>	<u>Sample No.</u>	<u>Copper %</u>	<u>Gold %</u>	<u>Silver %</u>
S-7	94952	2.51	0.10	0.60
S-8	94953	0.41	-	-

GEOCHEMICAL SURVEYSurvey Performed:

The soil samples were collected at 200-foot intervals on the claim location lines and at 100-ft. intervals along the trail.

Ten east-west crosslines, each approximately 3000 feet long were cut between Porphyry Lake and Centre Creek. Soil samples were collected at 100-foot intervals on these lines. All samples were collected with a stainless steel trowel from the 'A' soil horizon. Silt samples were collected from all the streams that were crossed by the lines. A total of 764 samples were collected for analysis.

The samples were analyzed by Vancouver Geochemical Laboratories Ltd. for copper.

Method of Analysis:	Instrumental-Atomic Absorption
Extraction:	HClO ₄ and HNO ₃
Detection:	Techtron AA4 and AA5

Survey Results:

The results of the soil analysis indicate that the copper background in the Run Group area is in the range of 20 to 50 ppm. Samples over 80 ppm. copper indicate weakly anomalous conditions and over 100 ppm. are definitely anomalous. There are a significant number of samples in the range of 200 to 1500 ppm. copper.

The soil survey outlines an anomalous area over 100 ppm. copper that extends from the south end of Porphyry Lake 8000 feet north to Centre Creek and from Mess Creek 3000 feet to the east. The contoured results indicate a dominant north-south trend that is coincident with the trend of the copper mineralized syenite porphyry intrusive. The anomalous area to the east of the trail is steep with numerous outcrops and thin overburden, often mixed with rock fragments. The contoured results of this area would reflect a truer picture of bedrock conditions than the samples taken in the area of irregular and much deeper overburden between Porphyry Lake and the small lakes to the north. The anomalous zone just to the south of Mess Creek covers a gently rolling, heavily timbered area of relatively uniform thin overburden, and with less than 5% exposed outcrop.

ECONOMICS

The Run Claim Group is located in what was once considered a remote and inaccessible area of northern British Columbia. However, on completion of the Stewart-Cassiar Highway in 1971, the Run Group will be within 200 miles of the port facilities on tidewater. The development of the Hecla-Silver Standard property will bring road access within ten miles of the property. The proposed extension of the Pacific Great Eastern Railway to Dease Lake will pass within 40 miles of the property.

At the present time there is only a limited labour force in the Telegraph Creek area, and there is no electric power or communication facilities. These conditions will be improved by the rapidly expanding mining economy and improved access in this area. At the present time there are four potential mines within a 100-mile radius of the Run Claim Group; the Kennco copper-porphyry at Galore Creek 30 miles to the southwest, the Hecla-Silver Standard copper-molybdenum property five miles to the north, the Lytton-Mineral copper porphyry deposit at Gnat Lake 73 miles to the northwest, and Cassiar's Letain asbestos property 100 miles to the northwest.

Respectfully submitted,



Gordon C. Gutrath, Exploration Manager,
COIN CANYON MINES LTD.



CERTIFICATE

I, Gordon C. Gutrath, of 5550 Rugby Street, in the City of Vancouver, in the Province of British Columbia, do hereby certify:

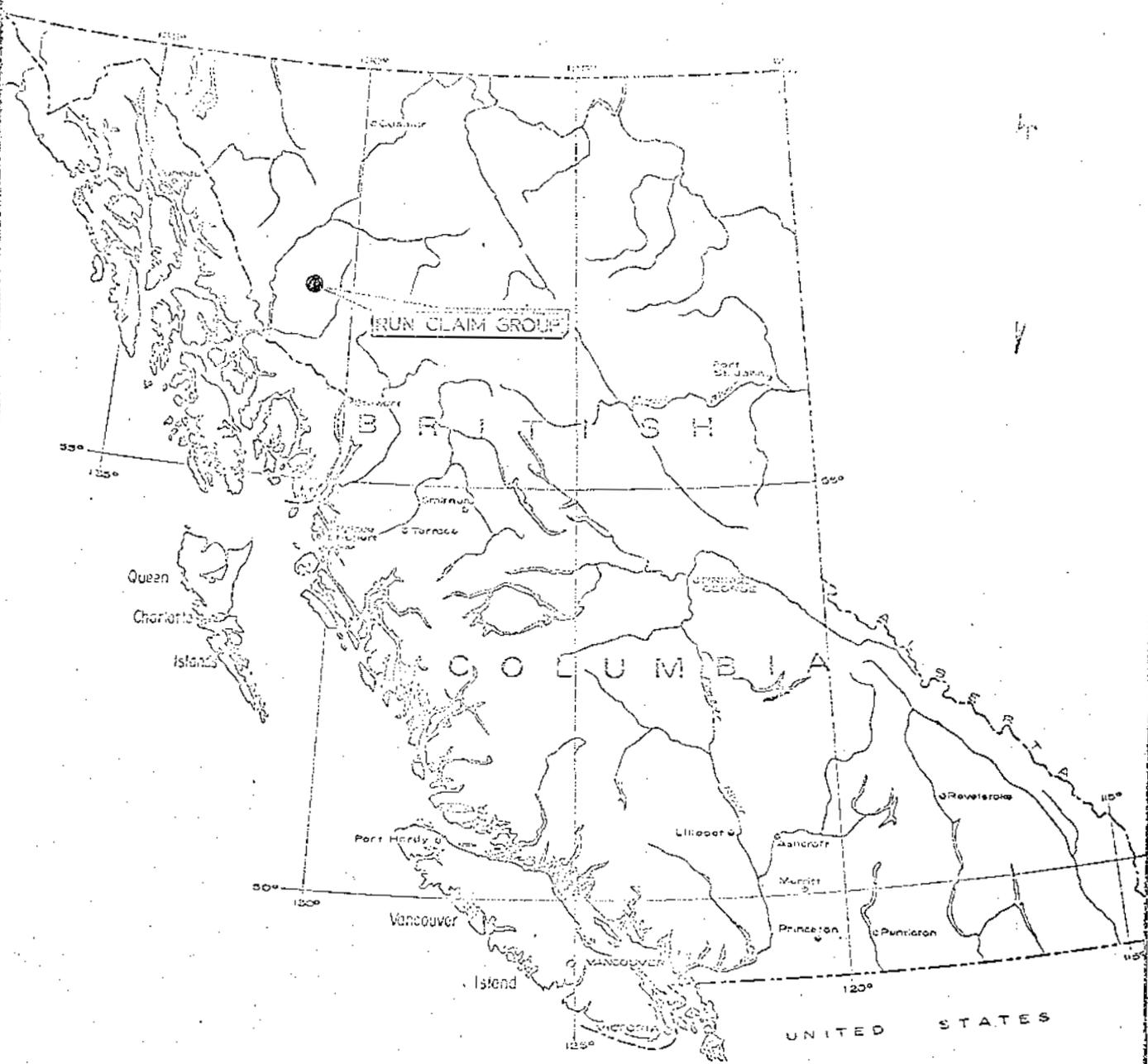
1. That I am a Consulting Geologist, with a business address at 508-850 West Hastings Street, Vancouver 1, in the Province of British Columbia.
2. That I am a graduate of the University of British Columbia where I obtained my B.Sc. in geological science in 1960.
3. That I am a Registered Professional Engineer in the Geological Section of the Association of Professional Engineers of the Province of British Columbia.
4. That I have practised my profession as a Geologist for the past ten years.
5. That I have personally examined the Elkhorn Property, the Bub Claim Group, the BJ Claim Group and the Tinta Claim Group, and have reviewed all the available data on the Hole Claim Group.
6. That I am retained by Coin Canyon Mines Ltd. as a consultant geologist and that I am Managing Director of Coin Canyon Mines Ltd. and that I have a direct interest in the securities of Coin Canyon Mines Ltd.

Dated this 5th day of April, 1971



G.C. Gutrath, B.Sc., P.Eng.





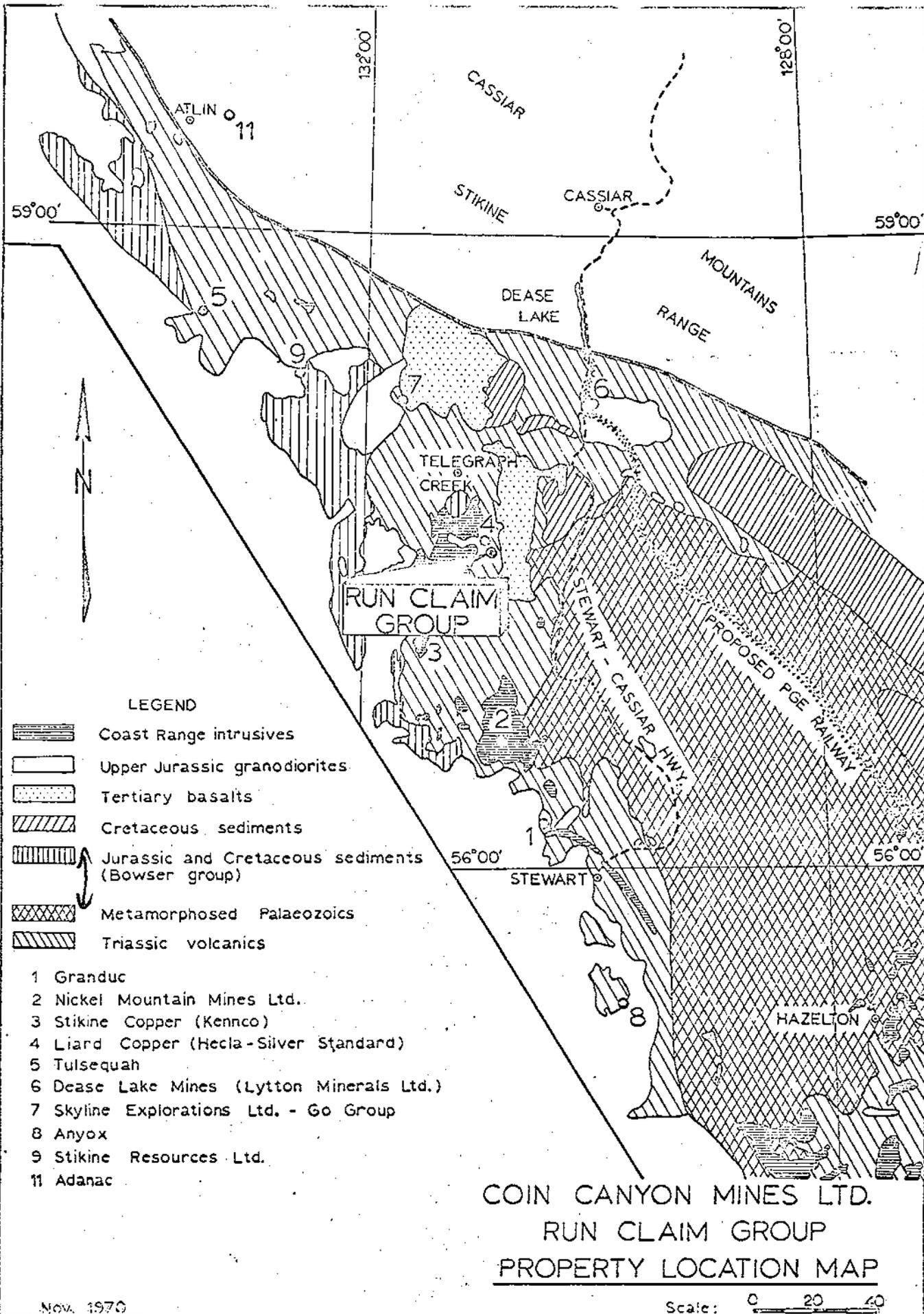
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
 NO. 3093 MAP # 1

COIN CANYON MINES LTD.
 Location Map



Nov. 1970

KCPB



LEGEND

-  Coast Range intrusives
-  Upper Jurassic granodiorites
-  Tertiary basalts
-  Cretaceous sediments
-  Jurassic and Cretaceous sediments (Bowser group)
-  Metamorphosed Palaeozoics
-  Triassic volcanics

- 1 Granduc
- 2 Nickel Mountain Mines Ltd.
- 3 Stikine Copper (Kennco)
- 4 Liard Copper (Hecla-Silver Standard)
- 5 Tulsequah
- 6 Dease Lake Mines (Lytton Minerals Ltd.)
- 7 Skyline Explorations Ltd. - Go Group
- 8 Anyox
- 9 Stikine Resources Ltd.
- 11 Adanac

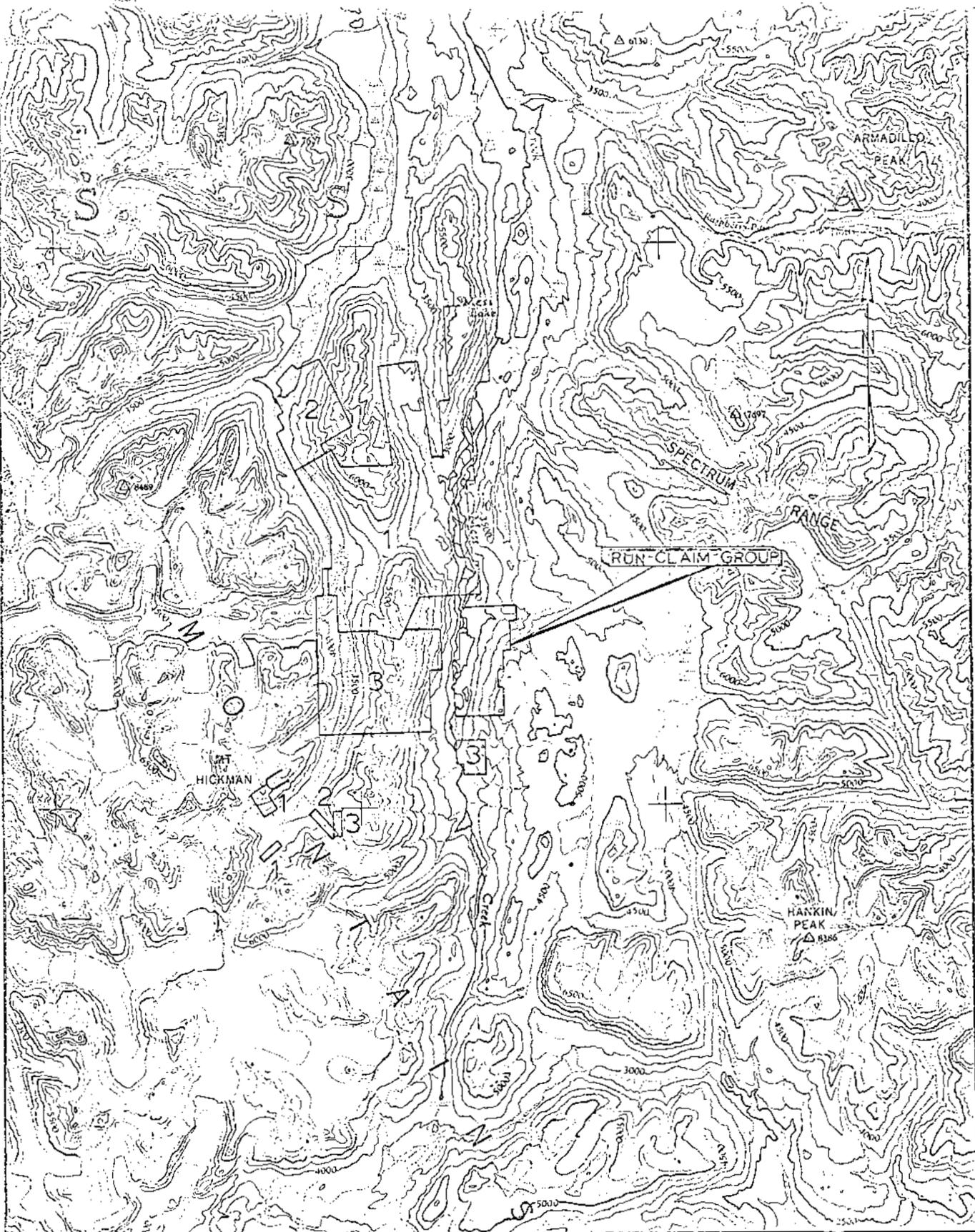
COIN CANYON MINES LTD.
 RUN CLAIM GROUP
 PROPERTY LOCATION MAP

Nov. 1970

Scale: 0 20 40

Department of
~~Mines~~ and Petroleum Resources
ASSESSMENT REPORT

NO. 3093 MAP #2



- 1 Liard Copper
- 2 Columbia River Mines Ltd.
- 3 Northern Valley Mines Ltd.

COIN CANYON MINES LTD.
CLAIM INDEX

SCALE: 1 inch = 4 miles

NOV. 1970

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 3093 MAP 43

APPENDIX

Assay Results

CREST LABORATORIES (B.C.) LTD.

1068 HOMER STREET
VANCOUVER 3, B.C.
PHONE 688-8586

CREST LABORATORIES LTD.
7911 ARGYLL ROAD
EDMONTON 82, ALBERTA
PHONE 469-2391

L 1018

CERTIFICATE OF ASSAY

TO Coin Canyon Mines Ltd.
1300 - 355 Burrard Street
VANCOUVER, B.C. Atten: Mr. G. Gutrath:

November 9, 1970

Lab No. 1930

I hereby certify THAT THE FOLLOWING ARE THE RESULTS OF ASSAYS MADE BY US UPON THE HEREIN DESCRIBED SAMPLES.

MARKED	GOLD		SILVER	COPPER	Percent	Percent	Percent	Percent	Percent	Percent	TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent							
94951	---		---	0.16							
94952	0.10		0.6	2.51							
94953	---		---	0.41							

NOTE:

Rejects Retained One Month
Pulps Retained Three Months
Unless Otherwise Arranged.

Gold calculated at \$..... per ounce

C. F. Burgess

Registered Assayer, Province of British Columbia

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE NORTH VANCOUVER, B.C., CANADA TELEPHONE 604-988-2172

GEOCHEMICAL ANALYTICAL REPORT

REPORT No. 70-41-002 DATE August 20, 1970
SAMPLES SUBMITTED BY Mr. J. Learner COMPANY Coin Canyon Mines
SHIPPED VIA delivered FROM Gordon Gutrath
REPORT ON 220 samples for Cu. DATE SAMPLES ARRIVED Aug. 17/70

* * *

COPIES OF THIS REPORT SENT TO:

- (1) Vancouver Office
- (2) _____
- (3) _____

TRANSMITTED BY:

deliver

SAMPLES SIFTED OR GROUND TO -80 MESH WEIGHT USED .50 g
FINAL VOLUME 10 ml ALIQUOT USED n/a

* * *

METHOD OF ANALYSIS: Instrumental - Atomic Absorption

EXTRACTION: HClO₄ and HNO₃

DETECTION: Techtron AA4 and AA5

SAMPLES ASSIGNMENT: (a) PREPARED SAMPLES: filed
(b) REJECTS: discarded

* * *

ANALYST(S) G.Allen, L.Nicol TYPIST ati.
SUPERVISING CHEMIST L.J. Nicol CHECKED BY C. CHAIN

COSTS:

SHIPPING CHARGE	\$ --
SAMPLE PREPARATION	\$ 44.00
ANALYSIS	\$ 220.00
OTHER	\$ --
TOTAL	\$ 264.00

SPECIALIZING IN TRACE ELEMENT ANALYSIS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Coin Canyon Mines

REPORT No. 70-41-002 PAGE 1 OF 6

MARKING	Cu				MARKING	Cu			
22N - 2 W	32		70						
3	10		71		29N - 7 W	40		84	
4	15		70		29N - 1 E	31		87	
22N - 5 W	305	silt			4	68		80	
23N - 2 W	73		77		29N - 5 E	315		91	
24N - 2 W	13		77		7W - 25 N	54		61	
6	21		66		7W - 26N	395		62	
7	33		77		12W - 3 N	80		80	
8	30		77		4	65		80	
10	30		87		5	30		77	
24N - 11 W	84		76		6	265		87	
25N - 2 W	28		77		7	56		77	
25N - 6 W	118		65		8	89		77	
26N - 2 W	65		76		9	64		77	
26N - 6 W	36		67		10	28		77	
27N - 2 W	85		77		11	780		77	
29N - 0+00	57		80		12	105		77	
1 W	77		77		13	260		77	
3	156		80		14	415		77	
29N - 4 W	100		77		12W - 15 N	180		77	

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE NORTH VANCOUVER, B.C. CANADA TELEPHONE 604-988-2172

COMPANY Coin Canyon Mines REPORT No. 70-41-002 PAGE 2 OF 6

MARKING	Cu				MARKING	Cu			
12W - 16 N	220								
17	56				7S - 1 W	122		212	
18	62				2	34		213	
19	158				3	16		214	
20	1040				4	20		215	
21	97				5	25		216	
22	66				6	16		217	
23	35				7	16		218	
24	17				8	14		219	
12W - 25 N	13		557		9	9			
13W - 3 N	70		33		10	10			
14W - 3 N	14		82		11	8			
15W - 3 N	225		31		12	22		A 2 Marked on	
16W - 3 N	41		36		12	35		B 3 Hal	
17W - 3 N	19		29		14	375		205	
18W - 3+00N	55		28		15	405		272	
19W - 1+00N	81		25		16	142		201	
- 2+00N	18		26		17	24		203	
19W - 3+00N	20		27		18	12		204	
7S - 0+00	420		205		7S - 19 W	22		207A	

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Coin Canyon Mines

REPORT No. 70-41-002

PAGE 3 OF 6

MARKING	Cu				MARKING	Cu			
7S - 1 E	315		205						
2	470		235		25S - 15 E	385		143	
3	530		280		16	870		112	
5	150		220		17	60		141	
7S - 7 E	475		211		18	46		100	
25S - 0+00	1140		150		25S - 19 E	95		139	
1 W	1100		150		26S - 1 E	107		252	
2	340		150		2	50		203	
6	420		150		3	68		250	
7	415		140		4	78		255	
25S - 8 W	360		150		6	440		257	
25S - 1 E	920		150		7	680		253	
2	295		150		26S - 8 E	610		200	
3	270		150		21E - 1+00S	32		113	
4	144		250		2+00S	44		100	
7	355		150		3 S	30		115	
9	172		150		4	60		116	
10	30		150		6	44		118	
11	99		150		7	49		119	
25S - 14 E	248		150		21E - 8 S	45		120	

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Coin Canyon Mines

REPORT No. 70-41-002 PAGE 4 OF 6

MARKING	Cu			
21E - 9 S	29		121	1
10	130		122	1
11	42		123	
11 S-A	143	silt/2%		
12	35		124	
13	18		125	
14	132		126	
15	33		127	
16	45		128	
17	45		129	
18	70		130	
19	135		131	
20	52		132	
21	48		133	
22	118		134	
23	53		135	
24	37		136	
21E - 25 S	55	silt/10%		
CL - 1 W	310		1	1
CL - 2 W	280		2	

MARKING	Cu			
CL - 3 W	475		3	1
4	41		4	
5	39		5	
6	85		6	
7	33		7	
8	20		8	
10	128		10	
11	46		11	
12	66		12	
13	54		13	
14	38		14	
15	68		15	
16	54		16	
17	135		17	
18	40		18	
19	16		19	
20	64		20	
22	7		22	
CL - 23 W	74		23	

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Coin Canyon Mines

REPORT No. 70-41-002 PAGE 5 OF 6

MARKING	Cu				MARKING	Cu			
CL - 24 W	115								
CL - 2+00E	64	soil	73		CL - 20+00E	45		111	
2+00E-A	310	silt	77		CL - 21+00E	50		112	
3	208		71		G - 5	110		264	
4	410		75		6	223		265	
5	860		76		7	252		266	
6	690		77		8	146		267	
7	262		78		9	183		268	
8	58		79		10	245		269	
9	390		80		11	298		270	
10	94		81		12	335		271	
11	680		82		13	203		272	
12	110		83		14	85		273	
13	35		84		G - 15	130		274	
14	268		85		TR - 2 N	365		168	
15	133		86		4 N	335		170	
16	78		87		6	172		172	
17	70		88		9	275		175	
18	49		89		10	235		176	
CL - 19+00E	50		110		TR - 12 N	340		178	

REMARKS

All values are reported in parts per million unless specified otherwise. ** values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Coin Canyon Mines

REPORT No. 70-41-002 PAGE 6 OF 6

MARKING	Cu			
TR - 14 N	305	silt	180	
16	265		187	
19	22		185	
20	43		186	
22	32		183	
25	72		191	
TR - 30 N	27			
2TR - 30 N	40			
TR - 2 S	58		199	
3	385	silt	200	
4	225		201	
6	470		202	
9	1350	silt	203	
11	500		204	
12	380		205	
15	225		207	
16	23		208	
18	45		209	
20	66		210	
TR - 21 S	140	silt	211	

MARKING	Cu			
TR - 22 S	18		213	
24	55		214	
25+80S	215	silt		
26	315		216	
TR - 28 S	420		218	

REMARKS

APPENDIX

Geochemical Analyses

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE NORTH VANCOUVER, B.C., CANADA TELEPHONE 604-988-2172

GEOCHEMICAL ANALYTICAL REPORT

REPORT No. 70-41-006 DATE October 8, 1970
SAMPLES SUBMITTED BY COMPANY Mr. Gordon Gutrath
SHIPPED VIA picked up FROM Coin Canyon Mines
REPORT ON 544 samples for Cu DATE SAMPLES ARRIVED Oct. 5/70

COPIES OF THIS REPORT SENT TO:

TRANSMITTED BY:

(1) Mr. G. Gutrath, Vancouver, B. C. mail
(2)
(3)

SAMPLES SIFTED OR GROUND TO -80 MESH WEIGHT USED 0.50 g
FINAL VOLUME 10 ml ALIQUOT USED n/a

METHOD OF ANALYSIS: Instrumental - Atomic Absorption

EXTRACTION: HClO4 - HNO3

DETECTION: Techtron AA4 and AA5

SAMPLES ASSIGNMENT: (a) PREPARED SAMPLES: filed
(b) REJECTS: discarded

ANALYST(S) TYPIST at1

SUPERVISING CHEMIST L.J. Nicol CHECKED BY

COSTS:

Table with 2 columns: Cost Category and Amount. Rows include SHIPPING CHARGE (\$ --), SAMPLE PREPARATION (\$ 108.80), ANALYSIS (\$ 544.00), OTHER (\$ --), and TO T A L (\$ 652.80).

SPECIALIZING IN TRACE ELEMENT ANALYSIS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE NORTH VANCOUVER, B.C. CANADA TELEPHONE 604-988-2172

COMPANY Gordon Gutrath REPORT No 70-41-006 PAGE 1 OF 14

MARKING	Cu			
X-1 - 1 E	200 ✓			
2	105 ✓			
3	170 ✓			
4	171 ✓			
5	150 ✓			
6	13 ✓			
7	56 ✓			
8	76 ✓			
9	92 ✓			
10	210 ✓			
11	50 ✓			
11+50E	116 ✓	silt		
12	66 ✓			
13	150 ✓			
14	149 ✓			
15	27 ✓			
16	64 ✓			
17	215 ✓			
17+50E	170 ✓	silt		
X-1 - 18 E	172 ✓			

MARKING	Cu			
X-1 - 19 E	52 ✓			
X-1 - 20 E	50 ✓			
X-1 - 1 W	82 ✓			
2	49 ✓			
3	60 ✓			
4	50 ✓			
5	49 ✓			
6	32 ✓			
7	173 ✓			
8	1200 ✓			
9	84 ✓			
10	144 ✓			
X-1 - 11 W	190 ✓			
X-2 - 1 E	170 ✓			
2	180 ✓			
3	212 ✓			
4	305 ✓			
5	800 ✓			
X-2 - 6 E	840 ✓			

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Gordon Gutrath

REPORT No. 70-41-006 PAGE 2 OF 14

MARKING	Cu				MARKING	Cu			
X-2 - 7 E	64 ✓								
8	112 ✓				X-2 - 6 W	55 ✓			
9	125 ✓				7	10 ✓			
10	465 ✓				8	35 ✓			
11	127 ✓				9	22 ✓			
12	730 ✓				10	45 ✓			
13	26 ✓				11	375 ✓			
14	25 ✓				12	60 ✓			
14+10E	112 ✓	silt			13	362 ✓			
15	222 ✓				14	177 ✓			
16	42 ✓				15	110 ✓			
17	85 ✓				X-2 - 16 W	96 ✓			
18	64 ✓				X-2 - TR - 10 N	212			same 25 mg/l
19	126 ✓				X-3 - 1 E	312 ✓			
X-2 - 20 E	850 ✓				2	335 ✓			
X-2 - 1 W	165 ✓				3	38 ✓			
2	200 ✓				4	55 ✓			
3	40 ✓				5	82 ✓			
4	300 ✓				6	346 ✓	silt		
X-2 - 5 W	140 ✓				X-3 - 7 E	345 ✓			

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Gordon Gutrath

REPORT No. 70-41-006 PAGE 3 OF 14

MARKING	Cu			
X-3 - 8 E	400 ✓			
9	68 ✓			
10	85 ✓			
11	350 ✓			
12	900 ✓			
13	27 ✓			
14	850 ✓			
15	136 ✓			
16	83 ✓			
17	113 ✓			
18	26 ✓			
19	50 ✓			
20E-1+50N	187 ✓	silt		
X-3 - 20 E	388 ✓			
X-3 - 1 W	354 ✓			
2	365 ✓	silt		
3	60 ✓			
4	80 ✓			
5	385 ✓			
X-3 - 6 W	146 ✓			

MARKING	Cu			
X-3 - 7 W	184 ✓			
8	235 ✓			
9	45 ✓			
10	190 ✓			
11	95 ✓			
12	225 ✓			
13	310 ✓			
14	750 ✓			
15	50 ✓			
X-3 - 16 W	280 ✓			
X-4 - 1 E	105 ✓			
2	130 ✓			
3	100 ✓			
4	65 ✓			
5	62 ✓			
6	81 ✓			
7	154 ✓			
8	300 ✓			
X-4 - 9 E	133 ✓			

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Gordon Gutrath

REPORT No. 70-41-006 PAGE 4 OF 14

MARKING	Cu				MARKING	Cu			
X-4 - 10 E	122 ✓								
11	383 ✓				X-4 - 10 W	120 ✓			
12	141 ✓				11	34 ✓			
13	260 ✓				12	400 ✓			
14	900 ✓				13	420 ✓			
15	95 ✓				14	650 ✓			
16	45 ✓				15	620 ✓			
17	47 ✓				X-4 - 16 W	64 ✓			
18	86 ✓	silt			X-5 - 1 E	25 ✓			
19	49 ✓				2	21 ✓			
X-4 - 20 E	87 ✓				3	90 ✓			
X-4 - 1 W	85 ✓				4	125 ✓			
2	27 ✓				5	115 ✓			
3	25 ✓				6	106 ✓			
4	40 ✓				8	100 ✓			
5	83 ✓				9	600 ✓			
6	18 ✓				10	185 ✓			
7	106 ✓				11	1140 ✓			
8	60 ✓				12	121 ✓			
X-4 - 9 W	250 ✓				X-5 - 13 E	95 ✓			

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Gordon Gutrath

REPORT No. 70-41-006 PAGE 5 OF 14

MARKING	Cu				MARKING	Cu			
X-5 - 15 E	18 ✓								
16	14 ✓				X-6 - 18 E	24 ✓			
17	33 ✓				19	310 ✓			
18	34 ✓				X-6 - 20 E	217 ✓			
19	134 ✓				X-7 - 1 E	24 ✓			
X-5 - 20 E	87 ✓	silt			2	121 ✓			
X-5 - 1 W	25 ✓				3	46 ✓			
2	74 ✓				4	60 ✓			
X-5 - 3 W	7 ✓				5	540 ✓			
X-6 - 6 E	60 ✓				6	60 ✓			
7	136 ✓				7	455 ✓			
8	15 ✓				8	310 ✓			
9	240 ✓				9	32 ✓			
11	750 ✓				10	126 ✓			
12	136 ✓				13	52 ✓			
13	485 ✓				14	24 ✓			
14	1500 ✓				15	9 ✓			
15	305 ✓				16	41 ✓			
16	196 ✓				17	71 ✓			
X-6 - 17 E	40 ✓				X-7 - 18 E	95 ✓			

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE NORTH VANCOUVER, B.C. CANADA TELEPHONE 604-988-2172

COMPANY Gordon Gutrath REPORT No 70-41-006 PAGE 6 OF 14

MARKING	Cu				MARKING	Cu			
X-7 - 19 E	24 ✓								
X-7 - 20 E	20 ✓				X-9 - 3 E	165 ✓			
X-8 - 4 E	20 ✓				4	95 ✓			
5	19 ✓				5	163 ✓			
6	31 ✓				6	176 ✓			
7	6 ✓				7	240 ✓			
8	80 ✓				8	50 ✓			
9	96 ✓				9	37 ✓			
10	370 ✓ silt				10	25 ✓			
11	700 ✓				11	56 ✓			
12	165 ✓				12	170 ✓			
13	435 ✓				13	175 ✓ silt			
14	70 ✓				14	75 ✓			
15	74 ✓				15	124 ✓			
16	48 ✓				16	47 ✓			
17	1140 ✓				17	86 ✓			
19	130 ✓				18	75 ✓			
X-8 - 20 E	49 ✓				19	50 ✓			
X-9 - 1 E	85 ✓				X-9 - 20 E	60 ✓			
X-9 - 2 E	134 ✓				X-10- 2 E	142 ✓			

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Gordon Gutrath REPORT No 70-41-006 PAGE 7 OF 14

MARKING	Cu			
X-10 - 3 E	164 ✓			
4	115 ✓			
5	114 ✓			
6	40 ✓			
7	31 ✓			
8	20 ✓			
9	18 ✓			
10	25 ✓			
11	25 ✓			
12	24 ✓			
13	15 ✓			
14	27 ✓			
15	39 ✓			
16	200 ✓ silt			
17	192 ✓			
18	86 ✓			
19	80 ✓			
20	207 ✓			
X-10 - 21 E	172 ✓			
X-10 - TR - 40N	156 ✓			

MARKING	Cu			
X-11 - 1 E	45 ✓			
2	33			
3	26 ✓			
4	15 ✓			
5	76 ✓			
6	39 ✓			
7	24 ✓			
8	26 ✓			
9	19 ✓			
10	64 ✓			
11	46 ✓			
12	35 ✓			
13	45 ✓			
14	46 ✓			
15	110			
16	215 ✓			
17	54 ✓			
18	177 ✓			
X-11 - 19 E	38 ✓			

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Gordon Gutrath REPORT No. 70-41-006 PAGE 8 OF 14

MARKING	Cu			
X-11 - 20 E	44 ✓			
R - 1	170 ✓	run		
2	183 ✓	"		
3	160 ✓	"		
4	174 ✓	"		
5	170 ✓	"		
6	81 ✓	"		
7	49 ✓			
9	180 ✓			
10	50 ✓			
11	35 ✓			
12	27 ✓			
13	65 ✓			
14	71 ✓			
15	54 ✓			
16	45 ✓			
17	45 ✓			
18	46 ✓			
19	58 ✓			
R - 21	139 ✓			

MARKING	Cu			
R - 22	243			
23	90			
25 - A	65	A & B marked		
25 - B	124	in lab		
26	540			
27	55			
29	367			
30	95			
31	114			
32	143			
33	108			
34	222			
35	100			
36	62			
37	65			
38	90			
39	80			
R - 40	87			
TE - 2+00	84 ✓			

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Gordon Gutrath REPORT No 70-41-006 PAGE 9 OF 14

MARKING	Cu				MARKING	Cu			
TE - 4+00	59 ✓								
6	11 ✓				TS - 2+00	424 ✓			
8	6 ✓				4	130 ✓			
10	10 ✓				6	110 ✓			
12	74 ✓				8	700 ✓			
14	60 ✓				10	88 ✓			
16	82 ✓				12	1000 ✓			
18	47 ✓				14	365 ✓			
20	224 ✓				16	400 ✓			
22	16 ✓				18	443 ✓			
24	24 ✓				20	175 ✓			
26	32 ✓				22	102 ✓			
TE - 28+00	23 ✓				26	75 ✓			
TE - 2956	50 ✓				TS - 28+00	75 ✓			
TS-A - 8+00	74				TR - 31 N	27 ✓			
10	85				32	35 ✓	silt		
12	82				33	110 ✓	"		
14	70				35	15 ✓			
16	165				37	24 ✓			
TS-A -18+00	45				TR - 39 N	107 ✓			

REMARKS

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Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

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MARKING	Cu				MARKING	Cu			
TR - 41 N	91 ✓								
43	29 ✓				TR - 106 N	30 ✓			
45	140 ✓				8	21 ✓			
47	165 ✓				10	66 ✓			
49	190 ✓				12	23 ✓			
51	156 ✓ silt				14	49 ✓			
53	153 ✓				15	46 ✓ silt			
55	110 ✓				16	26 ✓			
57	25 ✓				18	60 ✓			
59	21 ✓				20	30 ✓			
61	12 ✓				21	51 ✓ silt			
90	64 ✓				22	65 ✓			
92	67 ✓				TR - 124 N	18 ✓			
94	76 ✓				Silt - 24+00 (F.S)	90 ✓			
96	56 ✓				Silt - 30+00 (F.S)	75 ✓			
97	65 ✓ silt				20 E - 26 N	49 ✓			
98	60 ✓				27	25 ✓			
100	51 ✓				28	48 ✓			
2	50 ✓				20 E - 29 N	7 ✓			
TR - 104 N	10 ✓				A - 20+00	31 ✓			

REMARKS

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MARKING	Cu			
A - 22 +00	85 ✓			
24	540 ✓			
26	78 ✓			
28	61 ✓			
30	70 ✓			
32	56 ✓			
34	53 ✓			
36	45 ✓			
38	35 ✓			
40	27 ✓			
42	56 ✓			
44	28 ✓			
46	37 ✓			
48	85 ✓			
50	41 ✓			
52	87 ✓			
54	33 ✓			
56	44 ✓			
58	65 ✓			
A - 60 +00	15 ✓			

MARKING	Cu			
A - 62 +00	235 ✓			
64	236 ✓			
66	18 ✓			
68	36 ✓			
70	24 ✓ (A) <i>marked</i>			
70	100 ✓ (B) <i>in Lab</i>			
A - 74 +00	21 ✓			
B - 46 +00	31 ✓			
48	32 ✓			
50	99 ✓			
52	20 ✓			
54	40 ✓			
56	27 ✓			
58	15 ✓			
60	175 ✓			
62	180 ✓			
64	130 ✓ silt			
66	23 ✓			
B - 68 +00	15 ✓			

REMARKS

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COMPANY ~~Exxon~~ Gordon Gutrath REPORT No. 70-41-006 PAGE 12 OF 14

MARKING	Cu				MARKING	Cu			
B - 70 +00	12 ✓								
72	191 ✓				E - 34 E	42 ✓			
B - 74 +00	44 ✓				36	31 ✓			
E - 2 E	175 ✓ silt				38	35 ✓			
4	160 ✓				40	35 ✓			
6	31 ✓				42	40 ✓			
7+30E	190 ✓ silt				44	50 ✓			
8	24 ✓				46	115 ✓			
10	9 ✓				48	65 ✓			
12	82 ✓				50	91 ✓			
14	15 ✓				52	205 ✓			
16	20 ✓				54	90 ✓			
18	258 ✓ silt				56	50 ✓			
20	35 ✓				E - 58 E	55 ✓			
22	60 ✓				E+2N - 60 E	16 ✓			
24	35 ✓				4N	25 ✓			
26	240 ✓				6N	15 ✓			
28	75 ✓				8N	27 ✓ silt			
30	39 ✓				10N	26 ✓			
E - 32 E	16 ✓ silt				E+12N - 60 E	29 ✓			

REMARKS

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MARKING	Cu				MARKING	Cu			
E+14N - 60 E	40	✓							
16	39	✓			F - 30 E	26	✓		
18	53	silt			32	42	✓		
20	15	✓			34	28	✓		
22	37	✓			36	34	✓		
24	135	✓			38	32	✓		
E+26N - 60 E	40	✓			40	69	✓		
F - 8 E	59	✓ silt			42	30	✓		
10	52	✓			44	30	✓		
12	55	✓			46	16	✓		
14	66	✓			48	36	✓ silt		
16	245	✓ silt			49+50	31	✓ silt		
18	125	✓			50	29	✓		
18+50	70	✓ silt			52	16	✓		
20	56	✓			54	18	✓		
22	51	✓			56	19	✓		
24	70	✓			58	22	✓		
26	35	✓			F - 60 E	31	✓		
26+60	35	✓ silt			H - 0+00	81	✓		
F -28 E	93	✓			H - 2+00	20	✓		

REMARKS

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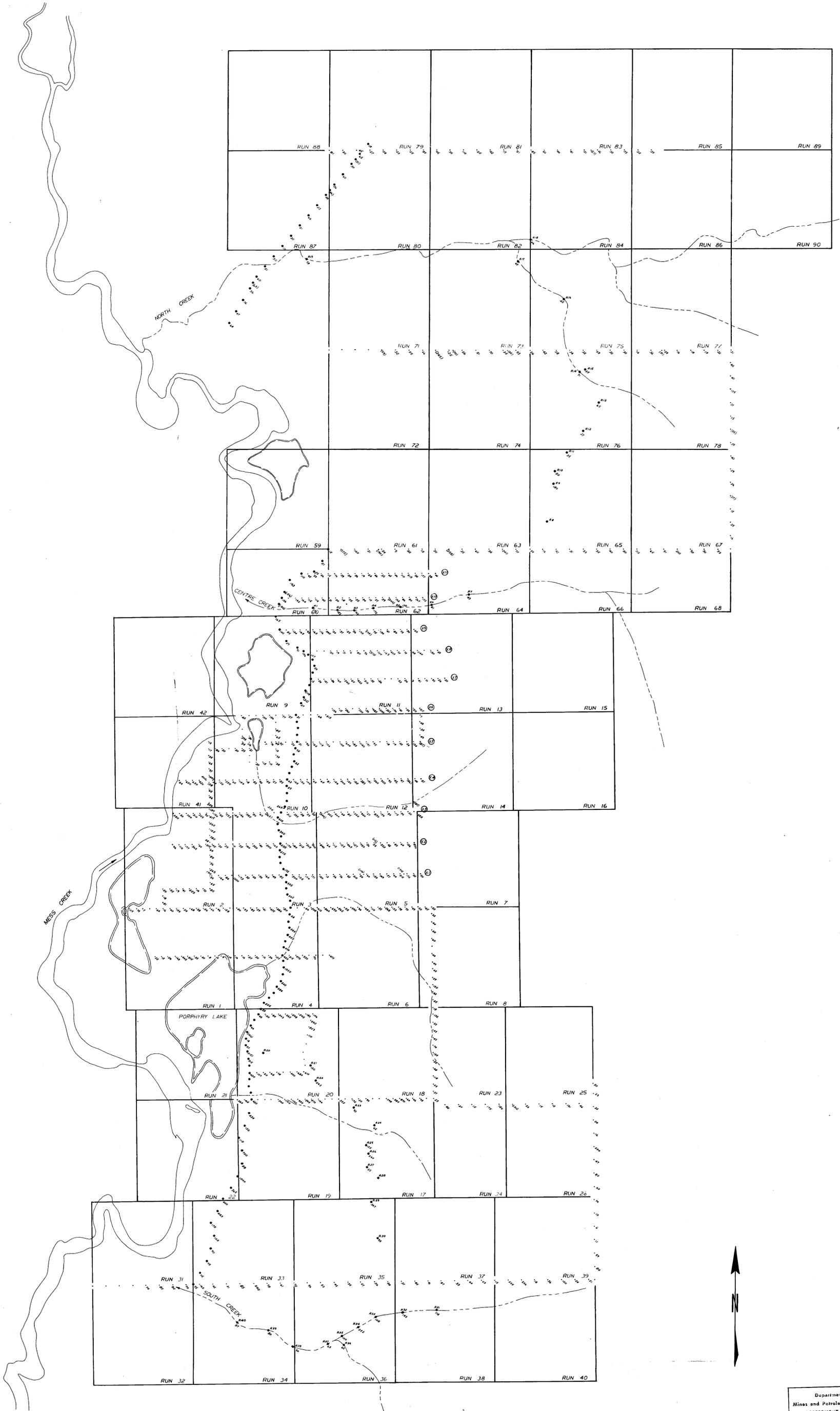
COMPANY Gordon Gutrath

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MARKING	Cu				MARKING	Cu			
H - 4+00	45 ✓								
6	27 ✓				H - 42+00	30 ✓			
8	28 ✓				44	25 ✓			
10	23 ✓				46	22 ✓			
12	25 ✓				H - 48+00	35 ✓			
14	85 ✓				I - 1	110	silt		
16	45 ✓				2	90	"	} OFF ROAD SE Corner	
18	35 ✓				3	91	"		
20	110 ✓				4	65	"		
22	25 ✓				5	65	"		
24	42 ✓				6	60	"		
26	15 ✓				7	55	"		
28	21 ✓				8	63	"		
30	85 ✓				9	66	"		
32	60 ✓				I - 10	72	"		
34	40 ✓				J - 1	290	"		
36	41 ✓				2	65	"		
38	51 ✓				J - 3	29	"		
39+00	57 ✓	silt							
H - 40+00	46 ✓								

REMARKS

All values are reported in parts per million unless specified otherwise. All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

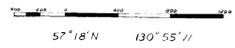


LEGEND:

- SOILS IN PPM. } COPPER
- SILTS IN PPM. }
- TRAVERSES
- TRAIL
- CROSS LINE STATIONS
- CREEKS
- LAKES

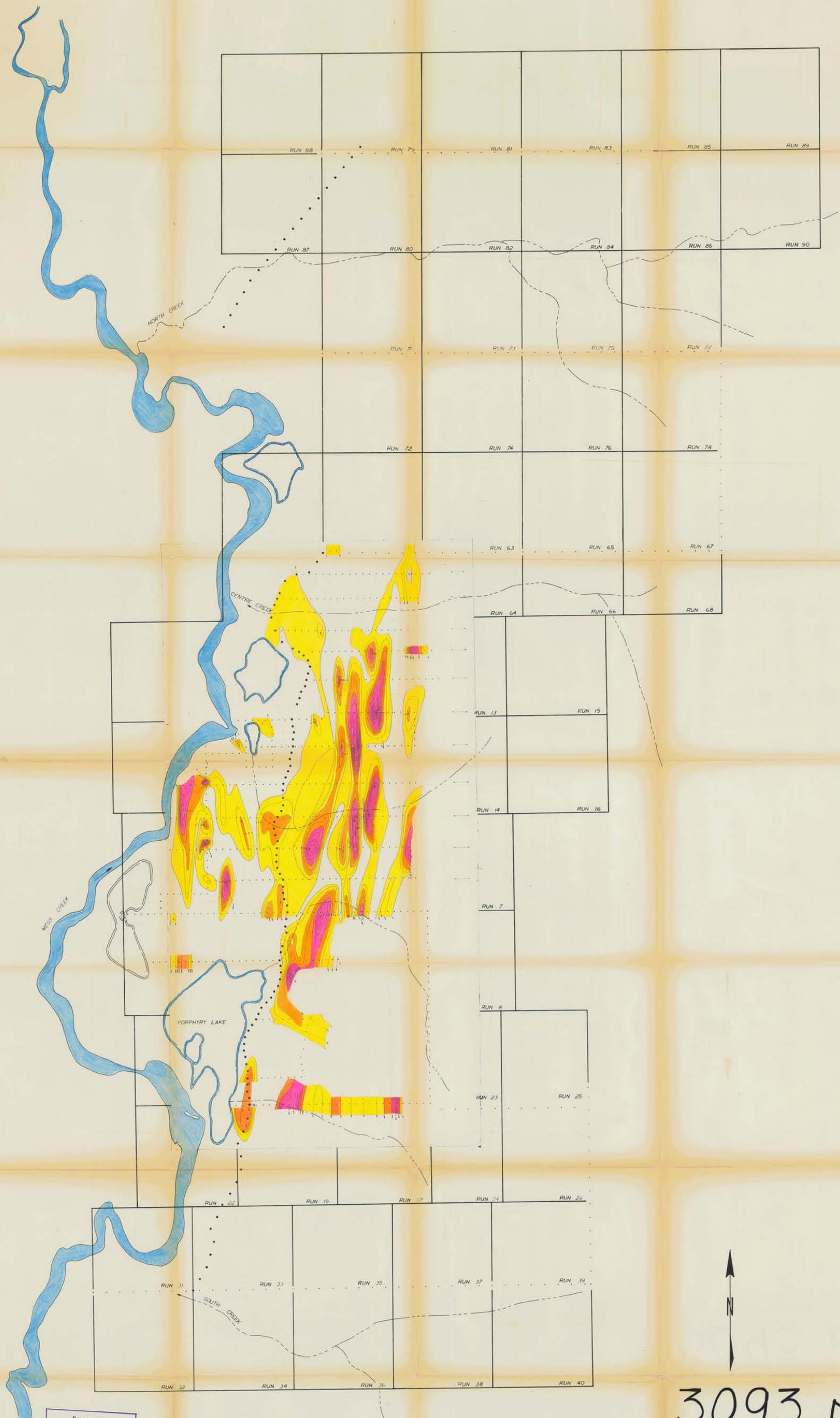
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3093 MAP #6

COIN CANYON MINES LTD.
GEOCHEMICAL MAP
RUN CLAIM GROUP
LIARD MINING DIVISION
NORTHWESTERN BC.



3093 M-6

Atwell



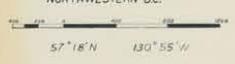
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3093 MAP #15

- LEGEND:
- LESS THAN 100 PPM.
 - 100 - 300 PPM.
 - 300 - 500 PPM.
 - 500 - 1500 PPM.
- } COPPER
- TRAIL
 - - - CROSS LINE STATIONS
 - - - CREEKS
 - LAKES

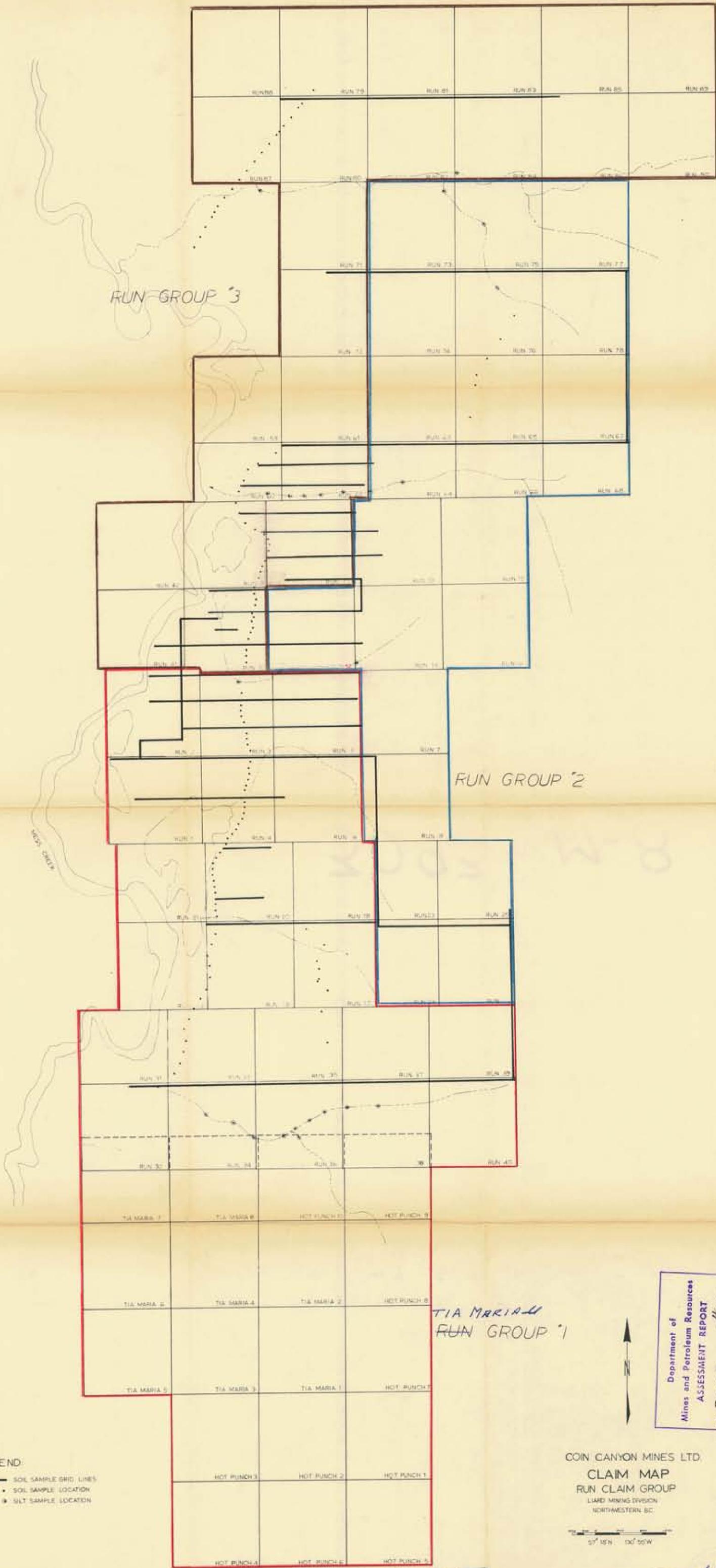
Department of
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ASSESSMENT REPORT
NO. 3093 MAP #15

3093 M-5

COIN CANYON MINES LTD.
GEOCHEMICAL MAP
RUN CLAIM GROUP
LIARD MINING DIVISION
NORTHWESTERN B.C.



John H. ...



RUN GROUP '3

RUN GROUP '2

TIA MARIA-4
RUN GROUP '1

LEGEND
 — SOIL SAMPLE GRID LINES
 • SOIL SAMPLE LOCATION
 ★ SILT SAMPLE LOCATION

Department of
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 ASSESSMENT REPORT
 NO. 3093 MAP M-8

COIN CANYON MINES LTD.
 CLAIM MAP
 RUN CLAIM GROUP
 LIARD MINING DIVISION
 NORTHWESTERN B.C.



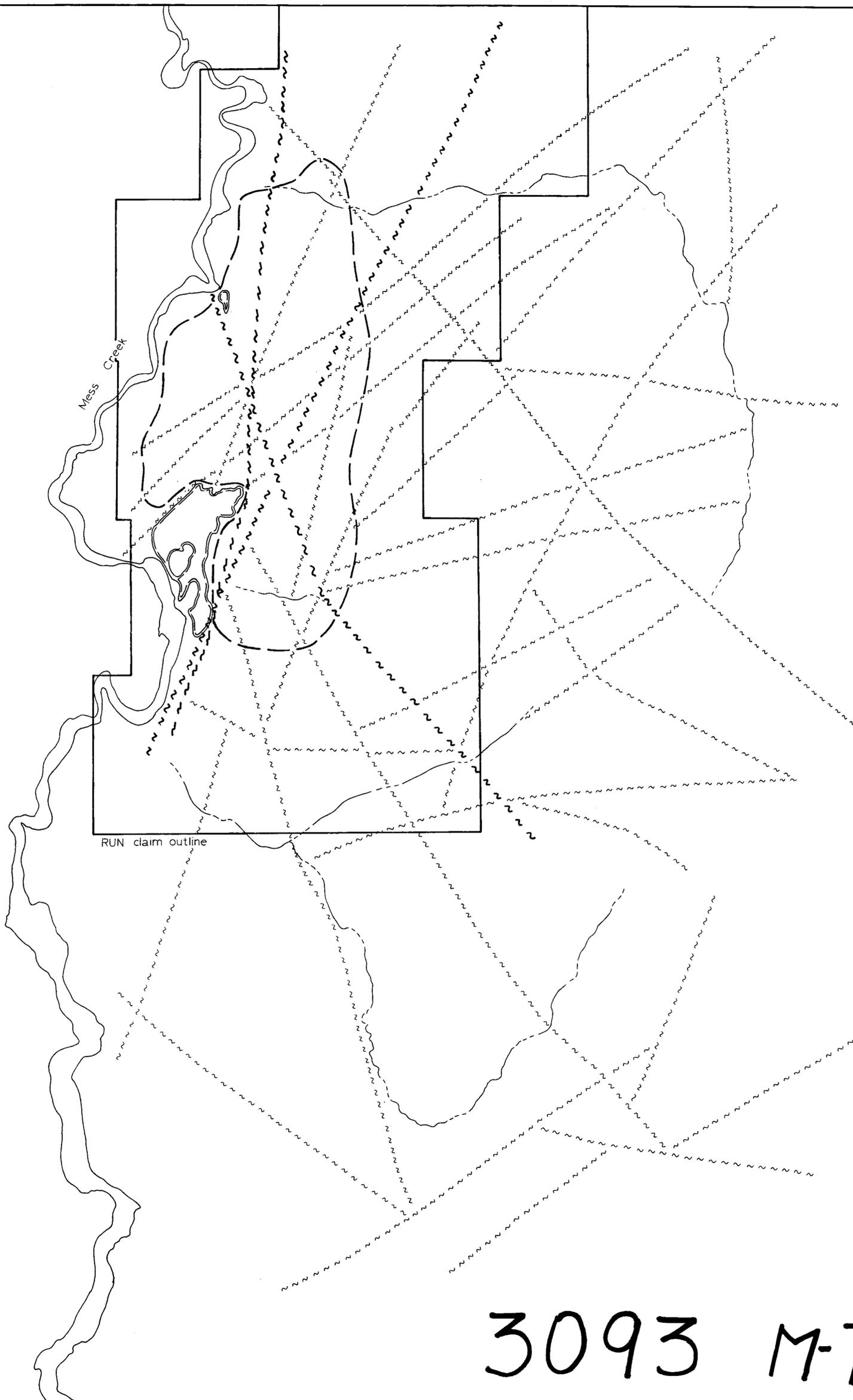
3093 M-8 *Shattell*

1905



LEGEND

-  EXPLORATION TARGET AREA as outlined by geological and geochemical surveys
-  MAJOR lineaments
-  Minor lineaments



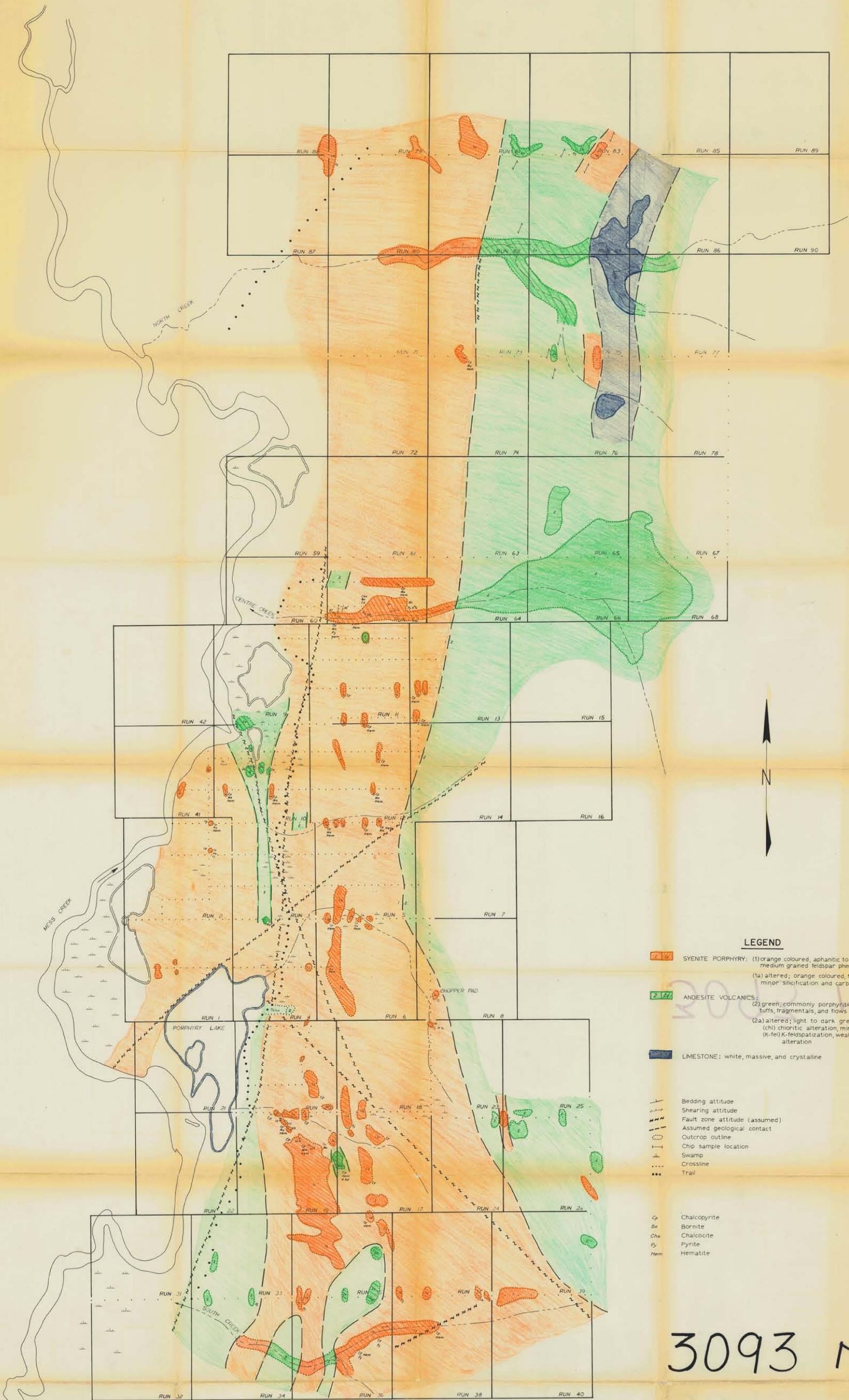
COIN CANYON MINES LTD.
INTERPRETATION of
LINEAMENTS from
AERIAL PHOTOGRAPH BC. 5157-160

Scale: 1 inch = 1000 feet

Stratall

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3093 MAP #7

3093 M-7



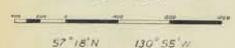
LEGEND

- SYENITE PORPHYRY: (1) orange coloured, aphanitic to fine grained, medium grained feldspar phenocrysts
(1a) altered; orange coloured, feldspathized, minor silicification and carbonatization
- ANDESITE VOLCANICS:
(2) green, commonly porphyritic, layered tuffs, fragmentals, and flows
(2a) altered; light to dark green, (ch) chloritic alteration, minor epidote (K-fel) K-feldspathization, weak chloritic alteration
- LIMESTONE: white, massive, and crystalline
- Bedding attitude
- Shearing attitude
- Fault zone attitude (assumed)
- Assumed geological contact
- Outcrop outline
- Chip sample location
- Swamp
- Crossline
- Trail
-
- Cp* Chalcopyrite
- Bn* Bornite
- Chc* Chalcocite
- Py* Pyrite
- Hem* Hematite

3093 M.4

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3093 MAR 21/9

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PRELIMINARY GEOLOGY
RUN CLAIM GROUP
LIARD MINING DIVISION
NORTHWESTERN B.C.



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