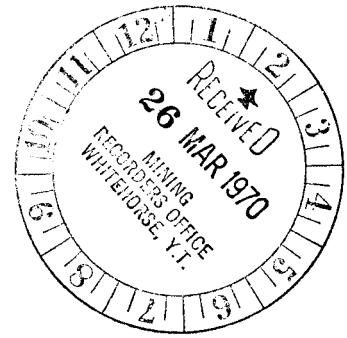
REPORT ON THE 1969 EXPLORATION PROGRAM IN THE SIXTYMILE RIVER AREA, YUKON TERRITORY



by

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of

CONNAUGHT MINES LTD.

EDMONTON, ALTA.

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

$ 6,035.38

D. B. Craig

Geological Engineer

Considered as exploration work under Section 56 (1) Yukon Quartz Mining Act.

Commissioner of Yukon Territory

DECEMBER 15, 1969

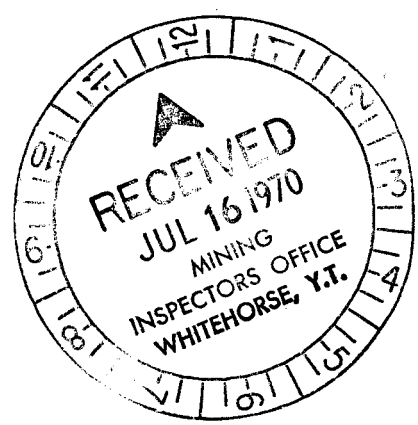


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SUMMARY

Connaught Mines Ltd. holds 314 mineral claims in the Sixtymile River Area, some 45 miles due west of Dawson, Yukon Territory. The property is accessible by road and tote-trail.

The property was acquired originally for lead-silver ore occurrences. These occurrences were explored by bulldozer trenching, soil sampling and diamond drilling during 1968 and 1969. At the present time only one vein appears economic based on current metal prices.

During 1969, regional geochemical exploration located an anomalous copper and molybdenum area. The area was staked, and soil sampling defined an anomaly of about 4,000 feet x 6,000 feet over a granitic stock. The intensity and the dimensions of the soil anomaly indicate the possibility of a large low grade porphyry deposit. This region of the Yukon was not glaciated during the Pleistocene, and it is likely that a zone of secondary enrichment is present.

For 1970, a minimum $245,000.00 exploration program is recommended. This would include bulldozer trenching, geophysical and geochemical surveys and diamond drilling. If the initial results of the drilling program are favorable, then an additional $120,000.00 would be required to complete a second stage of drilling for a total of $365,000.00.

INTRODUCTION

Preparations for the 1969 exploration program commenced on March 20th, 1969 when fuel was transported over the frozen ground to the campsite south of the Sixtymile River. The camp was opened on May 1st, 1969 and closed on August 31st, 1969. The summer's activities are listed as follows: a tote-road constructed, base-lines established for a geochemical soil survey, a geochemical soil survey on 225 mineral claims completed, a 500 square mile area stream sediment survey conducted, 1,416 feet of diamond drilling completed, and geologic investigations were carried out.

The general exploration program was under the direction of Mr. A. R. Archer, Consulting Geological Engineer. The management of the project was carried out by Mr. W. S. Laverty, President and General Manager of Connaught Mines Ltd., and the writer was the Resident Geologist.

LOCATION AND ACCESSIBILITY

The mineral claims held by Connaught Mines Ltd. lie south of the Sixtymile River (Fig. 2). This area is bounded by the following degrees of latitude and longitude: namely from 63° 53' N to 63° 58' N and 140° 32' W to 140° 54' W. The area is approximately 40 miles due west of Dawson, Y. T., or 65 miles by road and seven miles by tote-road from that settlement.

PROPERTY

At the beginning of 1969, Connaught Mines Ltd. held 116 mineral claims in the Sixtymile River Area. Between April 2nd, 1969 and August 29th, 1969, an additional 198 mineral claims were staked. A complete listing of the mineral claims appears in Appendix B of this report. All of the mineral claims are held under the provisions of the Yukon Quartz Mining Act.

HISTORY

In the vicinity of the Sixtymile River, concentrations of galena with some silver values have been known since the 1890's. However, early prospectors were primarily interested in attempting to locate quartz veins which they felt would lead to a "mother lode" of gold.

In the summer of 1965, prospectors J. Lerner and M. Chefkoi discovered several vein type lead-silver ore deposits utilizing a cold-extraction geochemical method and prospecting. Subsequent trenching in 1966 with a "bulldozer" exposed massive galena and anglesite at the No. 1 and No. 3 veins (Fig. 8). A combined bulk sample of this ore was shipped to COMINCO at Trail, B. C. (see Appendix D for certificate). The lead-silver ore assayed 67.3% Pb, 67 oz. of Ag/ton, 0.06 oz. of Au/ton and 0.6% Sb. This discovery was acquired by Connaught Mines Ltd. in 1968 and the vein type deposits were explored in greater detail by bulldozer trenching. In 1969 the exploration program was expanded from bulldozer trenching to geochemical soil surveys, diamond drilling and geologic mapping.

GEOLOGIC SETTING

GENERAL

The Sixtymile River area is part of the physiographic feature known as the Yukon Plateau. The terrain is a northern member of the series of plateaus and mountain ranges which stretch through British Columbia, the Yukon and Alaska to the Bering Sea. This plateau extends north from a latitude of 59° through the central Yukon and Alaska and is flanked on one side by the mountains of the Coast System, and on the other side by ranges of the Rocky Mountain System and the Brooks Range.

The region was extensively planated over a long period of crustal stability and reduced to a slightly undulating peneplain. This period of crustal stability was terminated by an uplift of about 5,000 feet which resulted in the rejuvenation of streams and subsequent incising of channels in the upland surface. These stream channels have cut deep depressions which vary from 1,500 to 4,000 feet in depth giving the region a very irregular topography.

The absence of glaciation in the western Yukon is indicated by the lack of glacial deposits. This is further substantiated by the presence of other features such as steep-walled "V"-shaped valleys and the absence of any smoothing or scouring action along the valley walls characteristic of glaciated regions. The area is permanently frozen.

GENERAL (Cont'd)

The Sixtymile River area is sparsely forrested and consists of spruce thinning out to dwarf birch, willows and grasses on the higher slopes. The bedrock is almost entirely covered by a thin veneer of residual soil having an average depth of about five feet. Frost is the dominant erosive force on the upper slopes and large fragments of bedrock have been brought to surface by processes of solifluction. Thus, geologic mapping is generally restricted to the identification of these surface rocks.

GEOLOGY

The predominant rock type in the western portion of the Connaught Mines Ltd. claim block is a quartz plagioclase biotite granite gneiss. This gneiss is characterized by many augen, usually of feldspar. In the central portion of the property, a quartz-muscovite schist is found. The geology of the eastern portion of the claim block is more complex and a variety of rock types are found, namely: biotite rich gneisses, limestone, skarns, and granitic intrusives. Part of this area has been mapped in detail as shown in Fig. 11C.

The regional trend of the foliation in the metamorphic sequence is N 40° W with the foliation planes dipping at 31° NE. Strong lineations on the foliation planes plunge in a northwesterly direction.

GEOLOGY (Cont'd)

Although early geologic literature has referred to these rocks as Precambrian in age, recent age determinations by Wasserberg et al (1963), Green and Roddick (1963), and Leach and Others (1963), imply that the metamorphic sequence may have formed or undergone alteration during the Early Mosozoic penacontemporaneously with significant plutonic activity.

The G.S.C. age determination No. 62-82 is of particular interest since the sample was taken about 2.5 miles north of the property. A K-Ar determination on a biotite yielded an age of 200 million years. The biotite was extracted from a granodioritic orthogneiss. From this age determination it is evident the age of metamorphism is Early Mesozoic. There are no dates available on the small granitic stocks which occur on the property. However, it is believed that these are part of belt stocks that occur along the eastern margin of the Coast Range batholith, and are probably Cretaceous or younger.

MINERALIZATION

Vein Type: The Connaught Mines Ltd. property in the Sixtymile River area was originally staked to cover lead-silver ore vein-type occurrences. In the western part of the claim block these veins strike towards the northeast and dip steeply southeast (Fig. 8). The veins carry erratic lenses of argentiferous galena in a clay-quartz-arsenopyrite gangue.

MINERALIZATION (Cont'd)

Near the surface the galena is highly oxidized and the typical mineral assemblage consists of anglesite, hematite, and jarosite. The oxidized zone is not deep as massive arsenopyrite was intersected about 100 feet below the surface in DDH 1-103 (Fig. 5B). The silver-lead ratio is 1:1 with the exception of the No. 4 vein (Fig. 7) which has a silver-lead ratio of 2:1.

Two occurrences of lead-silver ore mineralization are found in the eastern part of the claim block (Fig. 11). The first occurrence is found at co-ordinates 44 W and 28 S. This vein strikes slightly north of east and dips steeply to the south. The galena mineralization and the oxidization products in association with the galena are similar to those discussed in Fig. 8. The silver-lead ratio of this occurrence is 1:1. A second occurrence of lead-silver ore mineralization is found at the eastern end of a strong east-west trending Pb anomaly (i.e. between traverses 4W and 36 E, along line 16 S, Fig. 11). One trench cut across the eastern end of the anomaly exposed a four foot galena-tetrahedrite vein striking in an east-west direction, dipping steeply to the south. The galena and tetrahedrite are associated with a barite gangue and they are little affected by oxidization. The silver-lead ratio of this occurrence is about 3:1.

MINERALIZATION (Cont'd)

Magnetite: Massive magnetite has been observed near junctions of the LOU 1, 2, 3, and 4 claims (co-ordinates 24 W and 30 S, Fig. 11C). Traces of chalcopyrite and pyrite have been found in the magnetite.

Skarns: Skarns occur in the eastern part of the claim block as shown in Fig.'s 11C and 12. Malachite staining has been found in a garnetiferous skarn located on the CON 159 and 172 claims (Fig. 12).

1969 EXPLORATION PROGRAM FOR LEAD-SILVER OCCURRENCES

GENERAL

The 1969 exploration program for lead-silver ore occurrences was expanded from trenching to include channel sampling, mapping and geochemical soil surveys.

BULLDOZER TRENCHING, SAMPLING AND MAPPING

At the beginning of the season trenching was carried out at the No. 1 and No. 4 veins. Trenching has exposed the No. 1 vein over a total length of 3,400 feet (Fig. 4). The vein was channel sampled as indicated in Fig.'s 4 and 5. The best mineralization occurs over a length of 150 feet (Fig. 5), and the average assay over a minimum four foot mining width is 22.8 oz. Ag/ton, 0.031 oz. Au/ton, and 19.9% Pb.

The No. 3 vein (Fig. 6) was mapped and channel sampled. However, the average assays were not calculated because the mineralization lacked continuity.

Some trenching was started at the No. 4 vein (Fig. 7). This trenching was expanded to cover the area shown in Fig. 7 upon the arrival of the soil sampling results. The vein was mapped and channel sampled at 25 foot intervals and the average assays were calculated. Over a 375 foot length and a minimum four foot mining width, the average assays are 17.96 oz. Ag/ton, 0.022 oz. Au/ton, and 8.32% PB.

BULLDOZER TRENCHING, SAMPLING AND MAPPING (Cont'd)

Figures 8, 11 and 12 show all the bulldozer trenching carried during 1969 in connection with geochemical soil anomalies. The following summary gives the claim numbers and the volume of overburden removed by bulldozer.

TRENCHING SUMMARY (1969)

Claim No.	Grant No.	Figure No.	Volume - Yds.
BEN 48 BEN 55	Y 15595 Y 15594	11	423
CEL 1	87012	8	2727
CEL 3	87014	7	4167
CEL 5	87016	8	681
CEL 6	87017	8	880
CCL 1	87004	8	783
CCL 3	87006	8	1047
CCL 5	87024	8	1526
CCL 6	87025	8	946
CCL 8	87027	8	1137
CCL 1	87020	5 & 8	3230
CCL 2	87021	5 & 8	5238
CCL 3	87022	5	2224
CCL 4	87023	5	3701
CCL 6	87009	5	382
CCL 7	87010	5 & 8	1460
CCL 8	87011	5 & 8	3652

BULLDOZER TRENCHING, SAMPLING AND MAPPING (Cont'd)

Claim No.	Grant No.	Figure No.	Volume - Yds.
CON 86 CON 95	Y 15817 Y 15826	11	932
CON 102	Y 37983	8	395
CON 104	Y 37985	12	1446
CON 115	Y 37996	12	416
CON 130	Y 37318	11	1111
CON 133	Y 37321	11	1266
CON 151	Y 37339	11	938
CON 154	Y 37343	11	888
JACK 4	87529	8	1790
LOU 1 LOU 2	76540 76541	11	555
LOU 3	76542	11	2099
		TOTAL:	46040 Yds.

DIAMOND DRILLING

A total of 1416 feet of diamond drilling was done between June 5th, 1969 and July 5th, 1969 - 333 feet at the No. 3 vein and 1083 feet at the No. 1 vein. The locations of the drill holes are shown in Figures 5 and 6, core descriptions appear in Appendix C, and drill hole cross-sections are shown on Fig.'s 5A, 5B, 5C, 5D, 5E, 6A and 6B. All of the drill holes explored the veins at 100 feet below the surface.

DIAMOND DRILLING (Cont'd)

Drill holes 3-103B and 3-104 were completed at the No. 3 vein. No mineralization was present in the intersections.

Six drill holes were completed at the No. 1 vein (1-102, 1-103, 1-104A, 1-105, 1-106 and 1-107). Mineralized intersections occurred in drill holes 1-103, 1-104A and 1-106. The best intersection was found in DDH 1-106 grading 29.1 oz. Ag/ton, 26.5% Pb and 0.08 oz. Au/ton over a true width of 2.2 feet.

GEOCHEMICAL SURVEY

Prior to the commencement of the geochemical soil survey baselines were surveyed in as indicated in Figures 8, 9 and 11. Along each baseline three-foot pickets were established at 200 foot or 400 foot intervals depending on the sample spacing pattern. The grid co-ordinates were marked on each picket with waterproof ink. Detailed sampling was done at 100 foot or 400 foot intervals between the stations on the baselines. The sample points were located by pace and compass. Each sample point was marked with a red-tipped lath numbered according to the grid co-ordinates. A total of 225 mineral claims were covered by the geochemical survey.

A hot perchloric-nitric acid digestion was utilized for leaching the soil samples prior to analyses for lead copper and molybdenum. All of the determinations were made up by atomic absorption spectrometry.

GEOCHEMICAL SURVEY (Cont'd)

A total of 10,542 soil samples were analyzed.

The threshold values for these metals were determined by Archer, Cathro & Associates, Ltd. based on geochemical surveys in the Dawson Range Project.

DISCUSSION OF RESULTS

(Grid 1) Soil Sampling - Pb; Fig. 8:

The geochemical soil survey has located two new anomalies of about the same magnitude as the No. 1 vein. Trenching over these anomalies has revealed the presence of lead-silver ore mineralization, and the veins have been numbered the No. 4 and No. 5 veins (lower right, Fig. 8). All the accessible smaller Pb anomalies of 800 ppm or greater were cut by trench numbers 1 to 30 inclusive. Minor amounts of galena were found in trenches 8, 12 and 13. The assays for channel samples taken from these trenches are listed in Fig. 8.

(Grid 2) Soil Sampling - Pb: Fig. 9:

A geochemical survey in Grid 2 has revealed three lead anomalies of interest. The first anomaly lies along the line 36 W from traverses 4 S to 4 N. This anomaly is about a 1,000 feet long and appears to be trending in a north-south direction. A second north-south trending anomaly about 1,000 feet long occurs along line 20 W between traverses 4 S to 4 N.

DISCUSSION OF RESULTS (Cont'd)

The third anomaly appears to be trending in an east-west direction for about 800 feet. This anomaly is found along the traverse 24 S between the lines 16 W to 24 W. None of these anomalies have been trenched.

The remaining lead anomalies shown in Fig. 9 do not warrant trenching.

(Grid 3) Soil Sampling - Pb; Fig. 11:

The soil sampling in Grid 3 shows several areas having anomalous lead values. The first area lies between traverses 4 W and 36 E, along line 16 S. This anomaly indicates a linear structure 4,000 feet long. During the latter part of August, one trench was cut across the eastern end of this anomaly, which exposed a galena tetrahedrite vein with a barite gangue. Assays for channel samples taken from this trench are shown in the upper right of Fig. 11.

A series of Pb anomalies are found along traverse 56 W at points 4 S, 12 S, 24 S and 28 S. Trenching was done in late August between traverses 44 W and 56 W along line 28 S. Some galena mineralization was found at 44 W and 28 S. One channel sample was taken and the assays are shown in the lower left of Fig. 11.

DISCUSSION OF RESULTS (Cont'd)

Two other Pb anomalies of interest are shown in Fig. 11. The first one is located along traverse 4 W between points 24 S and 28 S. The second Pb anomaly occurs east of traverse 72 E. None of these anomalies have been trenched to determine if any lead-silver ore mineralization exists.

Some small untrenched Pb anomalies are found at points 88 W - 44 S; 64 W - 44 S; 44 W - 16 S; 28 E - 4 N; and 40 E - 4 N.

RECONNAISSANCE SOIL SAMPLING - Pb, Fig. 12

Reconnaissance soil sampling was carried out in three areas. Four geochemical traverses were run across the CON 97-120 group of claims. Anomalous lead values occur at four points along the traverses which pass through the CON 101, 102, 115 and 116 claims. Two trenches were cut in late August over two of the anomalies. Severe permafrost conditions prevented trenching to bedrock; however, galena and anglesite float were found in trench No. 1.

Two geochemical traverses were run in NW direction across the CON 128 to 129 claims, and the CON 164 - 169 claims. A good Pb anomaly is present near the boundary of the CON 128 - 129 and CON 164 - 165 claims. This anomaly has yet to be trenched.

In the third area, reconnaissance soil sampling was done along the claim boundaries between the CON 170 - 171 claims, through to the CON 193 - 194 claims. No highly anomalous Pb values were found along this traverse.

GENERAL

From June 16th, 1969 to June 23rd, 1969, a 500 square mile area was covered by stream sediment survey (Fig.'s 10, 10A, 10B) around the Sixtymile River property. A five-man crew was employed for the survey along with a helicopter for transportation. A total of 560 stream sediment samples were collected. The intent of the survey was to determine if any sources of lead, copper and molybdenum mineralization were present near the property.

A hot perchloric-nitric acid digestion was used to leach the stream sediment samples for lead-copper and molybdenum prior to analyses. All of the determinations were made by atomic absorption spectrometry.

The threshold values for copper, lead and molybdenum were determined by Archer, Cathro & Associates, Ltd. based on geochemical surveys in the Dawson Range Project.

REGIONAL STREAM SEDIMENT SURVEYS

Fig. 10 - Stream Sediment Sampling; Pb: The stream sediment survey has shown a region of anomalous lead values in the central portion of the map area (i.e. southern portions of Mosquito Creek, Boucher Creek, Butler Creek and the headwaters of the Fiftymile Creek).

Some of the more favorable anomalies along Mosquito Creek have been staked by Connaught Mines Ltd. (CON 49 - 60, CON 128 - 129, and CON 164 - 169 claims). The lead anomalies located at the headwaters of Boucher Creek are confined to claims held by Tobe Mines Limited. The anomalies at the headwaters of Butler Creek generally lie within the eastern boundaries of the property. It is in this area that Connaught Mines Ltd. has staked an additional 68 claims during July and August, 1969. Finally, a large area of anomalous lead values occurs on open ground in the northern tributaries of the Fiftymile Creek.

Fig. 10A - Stream Sediment Sampling, Cu: Anomalous copper values occur in four general areas. The first area lies between Bedrock Creek and Glacier Creek north of the Sixtymile River. A second area of anomalous values is at the headwaters of Mosquito Creek and Boucher Creek. The anomalies on Mosquito Creek lie within the CON 128 - 129 and CON 164 - 169 group; and the anomalies on Boucher Creek lie within the TOB group. A third region of anomalous copper values is found in a series of streams which flow north into the Sixtymile River between Glacier Creek and Twelvemile Creek. Lastly, the fourth region of copper anomalies is at the headwaters of Butler Creek and two of the northern tributaries of the Fiftymile Creek.

Fig. 10B - Stream Sediment Sampling, Mo: The only noteworthy molybdenum anomaly occurs in the eastern portion of the Connaught Mines Ltd. claim block.

GEOCHEMICAL SOIL SURVEYS

Grid 1 - Soil Sampling - Cu, Fig. 8A: Two large low intensity copper anomalies occur in central and eastern portions of Fig. 8A. No copper mineralization has been observed in this area. These anomalies appear to be associated vein-type lead-silver ore mineralization.

Grid 1 - Soil Sampling - Mo, Fig. 8B: No molybdenum anomalies are found in the area covered by Fig. 8B. A small intrusive stock occurs along the southeastern portion of the map area. Analyses were performed on the samples for molybdenum in order to determine background values in an unmineralized area.

Grid 2 - Soil Sampling - Cu, Fig. 9A: Two closely spaced copper anomalies which cover an area of 2,000 feet by 1,200 feet occur in the northeastern portion of Fig. 9A. An inverted "Y" shaped copper anomaly is found in the east-central part of Fig. 9A. These copper anomalies are associated with the intense lead anomalies in Fig. 9.

A small but strong copper anomaly is found along traverse 36 W between points 32 S and 36 S. There is no lead anomaly in this area and the anomaly may be due to a small intrusive stock.

Another small, but intense copper anomaly is located in the western part of Fig. 9A along traverse 32 E and 16 N.

GEOCHEMICAL SOIL SURVEYS (Cont'd)

Grid 2 - Soil Sampling - Mo; Fig. 9B: Only one molybdenum anomaly occurs in the map area. This anomaly is located along traverse 20W at point 8S. A superposition of Figs. 9, 9A and 9B shows the anomaly is associated with an intense lead anomaly.

Grid 3 - Soil Sampling - Cu, Fig. 11A: The most striking feature is large aerial extent of copper anomaly from travese 16W to 60E, from 12N to 36S. Within this area are a number of anomalies of a 100 ppm copper or greater. The co-ordinates are given for the following important copper anomalies in the map area:

(i) from 28W to 44W between 8N and 16S.

(ii) from 48W to 52W, 16S.

(iii) traverse 44W, from 20S to 24S.

(iv) region of anomalous copper values in the extreme southwestern part of the map area.

Grid 3 - Soil Sampling; Mo; Fig. 11B: The largest molybdenum anomaly lies between traverses 4E and 16W, from 4N to 32S. The co-ordinates are given for the following important molybdenum anomalies shown on Fig. 11B:

(i) traverse 4W, from 4N to 16N.

(ii) from 16E to 40E, between 16S and 32S.

(iii) from 32W to 36W, between 4N and 16S.

(iv) along traverse 52W, from 12S to 16S.

(v) from 80W to 84W, between 20S to 40S.

(vi) from 12E to 16E, 2S.

(vii) along traverse 48, from 20S to 24S.

(viii) 52E and 16S.

A superposition of Fig. 11A on 11B indicates the excellent correlation between the copper and molybdenum anomalies. Thus, trenches 1 to 7 (excluding Trench No. 3) were cut over these anomalies in order to obtain soil samples from the deeper "B" soil horizon. Analyses for these samples are shown along each trench. In general, the deeper soil samples show increased concentrations of about 30 ppm Cu, and 40 ppm Mo.

Grid 3 - Geologic Map, Fig. 11C: Since there is virtually no rock outcrop over the copper and molybdenum anomalies (Fig.'s 11A and 11B), the underlying geology could only be determined by identifying float in the overburden; thus, rock samples were collected at each picket along the geochemical traverses. This method of mapping has indicated a granitic stock about three miles in diameter. The anomalous copper and molybdenum values coincide with a quartz and magnetite rich phase in the east central protion of Fig. 11C, (between baselines A and B, from 12W to 40E). The various designations of the granitic body shown in the legend of Fig. 11C are subject to correction since the surface samples may have been affected by weathering.

GEOCHEMICAL SOIL SURVEYS (Cont'd)

The rocks show little evidence of hydrothermal alteration. However, the sub-rectangular shape of the intrusive rocks in the overburden suggests jointing.

Small amounts of finely disseminated pyrite, chalcopyrite, molybdenite and magnetite mineralization have been observed in rocks near the galena occurrence at 36E - 24S. A sample of this rock has been assayed which yielded 0.09% copper, 0.2 oz. silver/ton, and a trace of molybdenum. Traces of chalcopyrite (Cp), pyrite (Py), and molybdenite (Mo) have been noted in the float at the following locations (Fig. 11C):

40E - 28S: Cp, Mo

24E - 24S: Mo

20E - 4S: Cp

24E - 12N: Py, Cp

12E - 12N: Py

12E - 8S: Mo

4E - 36S: Cp

8W - 16S: Mo

8W - 4S: Cp

36W - 16S: Py

52W - 16N: Py

60W - 12N: Py

No thin sections were cut from any of the rock specimens.

DISCUSSION

The stream sediment survey conducted around the Connaught Mines Ltd. property has revealed a series of lead anomalies in the northern tributaries of the Fiftymile Creek. Anomalous copper values occur north of the Sixtymile River between Bedrock Creek and Glacier Creek, and south of the Sixtymile River between Glacier Creek and Twelvemile Creek. All of these anomalies lie on unstaked ground.

Geochemical soil sampling has indicated important lead anomalies in the east central portion of Fig. 9, and 4,000 Ft. lead anomaly in the eastern part of Fig. 11. One trench has been cut across the east end of the later which exposed a galena tetrahedrite vein.

Reconnaissance soil sampling has shown that anomalous lead values are present on the CON 97-120 claims, CON 128-129 claims, and the CON 164-169 claims (Fig. 12).

Undoubtedly, the most important discovery was the series of copper and molybdenum anomalies in the eastern part of the property (Fig.'s 11A and 11B). These anomalies clearly indicate the potential of a porphyry copper-molybdenum deposit. At the present time, more information is required about immediate subsurface geology.

The series of trenches which have been cut over these anomalies to obtain soil samples from the deep "B" soil horizon must taken to bedrock. Trenching to bedrock would disclose the rock type, degree of hydrothermal alteration, jointing, and possibly the type of mineralization. The latter would depend on the amount of leaching.

CONCLUSIONS AND RECOMMENDATIONS

Diamond drilling of the No. 1 and No. 3 veins has indicated that the lead-silver ore mineralization occurs in erratic lenses which are not economic at the present market prices. Channel sampling of the No. 4 vein has produced some encouraging results; however, further exploration at this occurrence should only be considered if additional lead-silver ore mineralization of economic grade is found on the property. The silver-lead mineralization on the eastern side of the property (Fig. 11) warrants further bulldozer trenching because of its higher silver content and the continuity of the geochemical anomaly. The lead anomalies in the east-central portion of Fig. 9 warrant exploration by bulldozer trenching.

The soil sampling program has shown that 400 Ft. x 400 Ft. grid pattern is satisfactory in locating mineralized areas on the property. On the basis of reconnaissance soil sampling and stream sediment sampling, the following claims should be covered by a geochemical survey using the 400 Ft. x 400 Ft. grid; CON 49 - 60, CON 97 - 120, CON 128 - 129, CON 151 - 162 and CON 164 - 198.

Reconnaissance soil sampling and geologic mapping should be started as soon as possible in the 1970 exploration season in an attempt to locate the source or sources of the lead anomalies in the northern tributaries of the Fiftymile Creek (Fig. 10).

The same procedure should be followed to locate the sources of the copper anomalies lying immediately to the north and south of the Sixtymile River between Bedrock Creek and Twelvemile Creek (Fig. 10A). The writer has observed abundant limonite deposits along the stream channel of Bedrock Creek. These deposits are the result of limonite precipitating out spring water due to changes in pH conditions. A sample of the limonite was assayed and yielded 95 ppm Cu and 26 ppm Ni. The presence of nickel indicates that there may be basic gabbroic rocks or serpentinized peridotites in the immediate area.

In veiw of the favorable results of the stream sediment survey, and the fact other granitic intrusive bodies are present to south and east of the property, a minimum area of 2,000 square miles should be covered by stream sediment sampling in 1970. This survey should commence around June 1st, 1970.

There is evidence of a porphyry type copper-molybdenum deposit on the property based on the results of the geochemical soil survey. Most of the evidence of surface copper mineralization has been removed due to leaching and the lack of Pleistocene glaciation. On this basis, an intensive exploration program must be implemented in an attempt to locate the sources of the geochemical anomalies.

In the investigation of this large target area and the possible existence of a secondary enriched zone, the exploration must be carried out in stages.

The first stage of the program would call for bulldozer trenching to expose the bedrock over the anomalies for purposes of geologic mapping, ground magnetometer and induced potential surveys. Following the surveys, a 4,000 Ft. diamond drilling program would be in order.

The second stage of the program would depend on the type of copper-molybdenum mineralization. If a porphyry type, or secondary enriched mineralization is present, a deeper drilling program of 8,000 Ft. is recommended.

BUDGET FOR THE 1970 EXPLORATION PROGRAM

Diamond Drilling, 4,000 Ft. BX (Stage 1)	$ 60,000.00
Bulldozer Trenching	50,000.00
Geophysical Surveys	25,000.00
Geological Mapping, Supervision, Soil Surveys, Camp Costs, and Engineering	40,000.00
Stream Sediment Survey (2,000 Square Miles)	60,000.00
Contingencies	10,000.00
Sub-Total:	$245,000.00
Diamond Drilling, 8,000 Ft. BX (Stage 2)	120,000.00
TOTAL:	$365,000.00

Respectfully submitted,

M. S. Cholach

M. S. CHOLACH, B.Sc., M.Sc., P. GEOL.
6627 - 97th Avenue
Edmonton, Alberta

PROGRAM EXPENDITURE

The application for financial assistance under the provisions of the Northern Mineral Assistance Program was made on February 21st, 1969 (File NO. M.I. - NMEA-257). The estimated expenditure for the 1969 exploration program was $150,000.00, while the actual expenditure was $196,330.34 as per the statement on the following page.

EXPENDITURES FOR THE 1969 EXPLORATION PROGRAM

	Estimated	Actual
Consultants' Fees	$ 10,000.00	$ 12,432.09
Supervision	16,000.00	31,564.66
Mobilization and Demobilization		
Transportation	$ 2,000.00	$ 5,079.57
Freight	1,000.00	1,655.36
Road Construction	5,000.00	5,246.38
Exploration Work		
Surveys		
Geochemical	$ 15,000.00	$ 21,077.93
Trenching	36,000.00	41,838.87
Diamond Drilling	25,000.00	24,320.17
Assays	5,000.00	1,866.68
Camp Operation		
Supplies	$ 16,000.00	$ 12,483.99
Heating	2,000.00	1,416.00
Rental Equipment		
4 X 4 Truck	$ 3,000.00	$ 24,331.83
Bombadier	4,000.00	
Helicopter	5,000.00	6,072.21
Communication	2,500.00	6,322.22
Expediting and Contingencies	2,500.00	327.42
	$150,000.00	$196,035.38

CANADA
PROVINCE OF ALBERTA
To Wit:

In the Matter of NORTHERN MINERAL ASSISTANCE PROGRAM AND IN THE MATTER OF THE APPLICATION FOR FINANCIAL ASSISTANCE THEREUNDER BY CONNAUGHT MINES LTD. MADE ON FEBRUARY 21st, 1969.

I, MICHAEL STEPHEN CHOLACH

of the CITY OF EDMONTON
in the Province of Alberta, Geologist,
do solemnly declare that

1. I was the resident geologist for Connaught Mines Ltd. for the 1969 exploration program in the Sixty Mile River area, Yukon Territory during the period from March 1st, 1969 to and including October 31st, 1969 and have a personal knowledge of the matters hereinafter declared.

2. The particulars of expenditures for the 1969 program in the said area as set forth on page 32 of the attached report are true and correct and the said expenditures were incurred by Connaught Mines Ltd. during the period of March 1st, 1969 to and including October 31st, 1969.

AND I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of "The Canada Evidence Act".

DECLARED before me at the City of Edmonton, in the Province of Alberta, this 20 day of January, A.D. 1970.

M. S. Cholach

A NOTARY PUBLIC in and for the Province of Alberta.

BIBLIOGRAPHY

Cholach, M. S., 1969: Pb-Ag Ores & Geochemical Survey, 60 Ml. R. Y. T. (unpublished M.Sc. Thesis, University of Alberta).

Cockfield, W. E., 1921: Sixtymile and Ladue Rivers area, Yukon; Geol. Survey, Canada, Mem. 123.

Green, L. H., and Roddick, J. A., 1962: Dawson, Larson Creek, and Nash Creek Map Areas, Yukon Territory; Geol. Survey, Canada, Paper 62-7, pp. 15-17.

Leech, G. B., Lowden, J. A., Stockwell, C. H., and Wanless, A. K., 1963: Age Determinations and Geological Studies, Geol. Survey, Canada, Paper 63-17, pp. 51-54.

Wasserberg, G. J., Eberlein, G. D., and Lanphere, M. A., 1963: Age of the Birch Creek Schists and Some Batholithic Intrusions in Alaska (abs.): Geol. Soc. America, Spec. Paper 73, p. 258.

APPENDIX "A"

Personnel employed by Connaught Mines Ltd. during the 1969 Exploration Program:

W. S. Laverty	Edmonton	President of Connaught Mines Ltd. and General Manager
M. S. Cholach	Edmonton	Geologist
R. Towson	Edmonton	Engineer
D. Sibley	Edmonton	Student
P. Tottrup	Edmonton	Student
W. Littau	Edmonton	Student
C. McDermott	Edmonton	Helper
H. L'Heureux	Edmonton	Cook
A. Balazs	Edmonton	Bulldozer Operator
L. Springer	Edmonton	Bulldozer Operator

APPENDIX "A" (Cont'd)

M. Chefkoi	Dawson City	Prospector
Miss L. Hakanson	Dawson City	Bookkeeper (not on site)

Personnel supplied by Archer, Cathro & Associates, Ltd. for Soil Sampling:

C. Main	Student
N. Trenholme	Student
K. Karswell	Student
P. Brown	Student
N. Einarsson	Student

Personnel from Cameron McCutcheon Drilling Limited for Diamond Drilling Operations:

L. Sabourin	Driller
R. Fyfe	Helper

APPENDIX "A" (Cont'd)

G. Chaffee	Driller
H. Nault	Helper
G. Pinkerton	Driller
B. Bradford	Helper

APPENDIX "B"

Listing of Mineral Claims held by Connaught Mines Ltd. in the Sixtymile River Area. These claims have been grouped under the following Grouping Certificates:

Q - 194
Q - 199
Q - 200
Q - 201
Q - 202
Q - 203
Q - 204
Q - 205
Q - 206
Q - 207
Q - 208
Q - 209
Q - 210
Q - 211
Q - 212
Q - 213
Q - 214
Q - 215
Q - 216
Q - 217
Q - 218
Q - 219
Q - 220
Q - 221
Q - 222
Q - 223
Q - 224

Connaught Mines Limited
11933 - 106 AVE., EDMONTON, ALBERTA

Mailing Address
P.O. BOX 3854
EDMONTON 41, ALBERTA
TELEPHONE (403)482-4451

BEN MINERAL CLAIMS

Claim	Grant No.	Staked By	Date Recorded	Date Transferred	Assessment Work Due
BEN 1	Y 15453	A. Balazs	Aug. 5/68	Sept. 3/68	Aug. 5/74
2	Y 15454	"	"	"	"
3	Y 15455	"	"	"	"
4	Y 15456	"	"	"	"
5	Y 15457	"	"	"	"
6	Y 15458	"	"	"	"
7	Y 15459	"	"	"	"
8	Y 15460	"	"	"	"
9	Y 15461	R. Towson	"	"	"
10	Y 15462	"	"	"	"
11	Y 15463	"	"	"	"
12	Y 15464	"	"	"	"
13	Y 15465	"	"	"	"
14	Y 15466	"	"	"	"
15	Y 15467	"	"	"	"
16	Y 15468	"	"	"	"
17	Y 15469	B.L. Nichols	"	"	"
18	Y 15470	"	"	"	"
19	Y 15471	J.T. Loughran	"	Oct. 1/68	"
20	Y 15472	"	"	"	"
21	Y 15473	"	"	"	"
22	Y 15474	"	"	"	"
23	Y 15475	J.T. Loughran	"	"	"
24	Y 15476	"	"	"	"
25	Y 15477	"	"	"	"
26	Y 15478	"	"	"	"
27	Y 15479	R.C. Norbeck	"	Sept. 3/68	"
28	Y 15480	"	"	"	"
29	Y 15481	"	"	"	"
30	Y 15482	"	"	"	"
31	Y 15483	"	"	"	"
32	Y 15484	"	"	"	"
33	Y 15485	"	"	"	"
34	Y 15486	"	"	"	"
37	Y 15487	J.T. Loughran	"	Nov. 25/68	"
38	Y 15488	"	"	"	Aug. 5/73
39	Y 15489	"	"	"	Aug. 5/74
40	Y 15490	"	"	"	"
41	Y 15491	"	"	"	"
42	Y 15492	"	"	"	"
43	Y 15493	"	"	"	Aug. 5/74
44	Y 15494	"	"	"	"
45	Y 15592	B.L. Nichols	Sept. 3/68	Nov. 25/68	Sept. 3/74
46	Y 15593	"	"	"	"
47	Y 15594	"	"	"	"

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Claim	Grant No.	Staked By	Date Recorded	Date Transferred	Assessment Work Due
BEN 48	Y 15595	B.L. Nichols		Nov. 25/68	Sept. 3/74
49	Y 15596	"		"	"
50	Y 15597	"		"	"
51	Y 15598	J. Keller	Sept. 9/68	Oct. 1/68	"
52	Y 15599	"	"	"	"
53	Y 15600	"	"	"	"
54	Y 15601	"	"	"	"
55	Y 15602	"	"	"	"
56	Y 15603	"	"	"	"
57	Y 15604	"	"	"	"
58	Y 15605	"	"	"	Sept. 9/74

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CCL MINERAL CLAIMS

Claim	Grant No.	Staked By	Date Recorded	Date Transferred	Assessment Work Due
CCL 1	87004	Luella E. Murray		Apr. 26/66	Sept. 2/72
CCL 2	87005	"		"	"
CCL 3	87006	"		"	"
CCL 4	87007	"		"	"
CCL 5	87008	"		"	"
CCL 6	87009	"		"	"
CCL 7	87010	"		"	"
CCL 8	87011	"		"	"
CCL 1	87020	J.R. Lerner		Apr. 26/66	Sept. 2/72
CCL 2	87021	"		"	"
CCL 3	87022	"		"	"
CCL 4	87023	"		"	"
CCL 5	87024	"		"	"
CCL 6	87025	"		"	"
CCL 7	87026	"		"	"
CCL 8	87027	"		"	"

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CEL MINERAL CLAIMS

Claim	Grant No.	Staked By	Date Recorded	Assessment Work Due	Date Transferred
CEL 1	87012	M. Chefkoi		Sept. 2/72	Apr. 26/66
CEL 2	87013	"		"	"
CEL 3	87014	"		"	"
CEL 4	87015	"		"	"
CEL 5	87016	"		"	"
CEL 6	87017	"		"	"
CEL 7	87018	"		"	"
CEL 8	87019	"		"	"

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CON MINERAL CLAIMS

Claim	Grant No.	Staked By	Date Recorded	Date Transferred	Assessment Work Due
CON 1	Y 15732	W.S. Laverty	Apr. 2/69	Apr. 2/69	Apr. 2/70
2	Y 15733	"	"	"	"
3	Y 15734	"	"	"	"
4	Y 15735	"	"	"	"
5	Y 15736	"	"	"	"
6	Y 15737	"	"	"	"
7	Y 15738	"	"	"	"
8	Y 15739	"	"	"	"
9	Y 15740	H. Decker	"	"	"
10	Y 15741	"	"	"	"
11	Y 15742	"	"	"	"
12	Y 15743	"	"	"	"
13	Y 15744	"	"	"	"
14	Y 15745	"	"	"	"
15	Y 15746	"	"	"	"
16	Y 15747	"	"	"	"
17	Y 15748	F. Hakanson	"	"	"
18	Y 15749	"	"	"	"
19	Y 15750	"	"	"	"
20	Y 15751	"	"	"	"
21	Y 15752	"	"	"	"
22	Y 15753	"	"	"	"
23	Y 15754	"	"	"	"
24	Y 15755	"	"	"	"
25	Y 15756	P. Kormandy	"	"	"
26	Y 15757	"	"	"	"
27	Y 15758	"	"	"	"
28	Y 15759	"	"	"	"
29	Y 15760	"	"	"	"
30	Y 15761	"	"	"	"
31	Y 15762	"	"	"	"
32	Y 15763	"	"	"	"
33	Y 15764	Ann Gerwazik	"	"	"
34	Y 15765	"	"	"	"
35	Y 15766	"	"	"	"
36	Y 15767	"	"	"	"
37	Y 15768	"	"	"	"
38	Y 15769	"	"	"	"
39	Y 15770	"	"	"	"
40	Y 15771	"	"	"	

Claim	Grant No.	Staked By	Date Recorded	Date Transferred	Assessment Work Due
CON 41	Y 15772	A. Fuhre	Apr. 2/69	Apr. 2/69	Apr. 2/70
42	Y 15773	"	"	"	"
43	Y 15774	"	"	"	"
44	Y 15775	"	"	"	"
45	Y 15776	"	"	"	"
46	Y 15777	"	"	"	"
47	Y 15778	"	"	"	"
48	Y 15779	"	"	"	"
49	Y 15780	G. Fuhre	"	"	"
50	Y 15781	"	"	"	"
51	Y 15782	"	"	"	"
52	Y 15783	"	"	"	"
53	Y 15784	"	"	"	"
54	Y 15785	"	"	"	"
55	Y 15786	H. Gysler	"	"	"
56	Y 15787	"	"	"	"
57	Y 15788	"	"	"	"
58	Y 15789	"	"	"	"
59	Y 15790	"	"	"	"
60	Y 15791	"	"	"	"
61	Y 15792	"	"	"	"
62	Y 15793	"	"	"	"
63	Y 15794	Colin Mayes	"	"	"
64	Y 15795	"	"	"	"
65	Y 15796	"	"	"	"
66	Y 15797	"	"	"	"
67	Y 15798	"	"	"	"
68	Y 15799	"	"	"	"
69	Y 15800	"	"	"	"
70	Y 15801	"	"	"	"
71	Y 15802	J. Fellers	"	"	"
72	Y 15803	"	"	"	"
73	Y 15804	"	"	"	"
74	Y 15805	"	"	"	"
75	Y 15806	"	"	"	"
76	Y 15807	"	"	"	"
77	Y 15808	"	"	"	"
78	Y 15809	"	"	"	"
79	Y 15810	W. Fellers	"	"	"
80	Y 15811	"	"	"	"
81	Y 15812	"	"	"	"
82	Y 15813	"	"	"	"
83	Y 15814	"	"	"	"
84	Y 15815	G. Zollweg	"	"	"
85	Y 15816	"	"	"	"

Claim	Grant No.	Staked By	Date Recorded	Date Transferred	Assessment Work Due
CON 86	Y 15817	G. Zollweg	Apr. 2/69	Apr. 2/69	Apr. 2/70
87	Y 15818	"	"	"	"
88	Y 15819	"	"	"	"
89	Y 15820	"	"	"	"
90	Y 15821	"	"	"	"
91	Y 15822	"	"	"	"
92	Y 15823	R. Hadley	"	"	"
93	Y 15824	"	"	"	"
94	Y 15825	W. Fellers	"	"	"
95	Y 15826	"	"	"	"
96	Y 15827	"	"	"	"
97	Y 37978	D. Sibley	July 8/69	Aug. 12/69	July 8/70
98	Y 37979	"	"	"	"
99	Y 37980	"	"	"	"
100	Y 37981	"	"	"	"
101	Y 37982	"	"	"	"
102	Y 37983	"	"	"	"
103	Y 37984	"	"	"	"
104	Y 37985	"	"	"	"
105	Y 37986	L. Springer	"	"	"
106	Y 37987	"	"	"	"
107	Y 37988	"	"	"	"
108	Y 37989	"	"	"	"
109	Y 37990	"	"	"	"
110	Y 37991	"	"	"	"
111	Y 37992	"	"	"	"
112	Y 37993	"	"	"	"
113	Y 37994	C. McDermott	"	"	"
114	Y 37995	"	"	"	"
115	Y 37996	"	"	"	"
116	Y 37997	"	"	"	"
117	Y 37998	"	"	"	"
118	Y 37999	"	"	"	"
119	Y 38000	"	"	"	"
120	Y 37301	"	"	"	"
121	Y 37302	H. L'Heureux	"	Aug. 21/69	"
122	Y 37303	"	"	"	"
123	Y 37304	"	"	"	"
124	Y 37305	"	"	"	"
125	Y 37306	"	"	"	"
126	Y 37307	"	"	"	"
128	Y 37308	"	"	Aug. 21/69	"
129	Y 37309	"	"	"	"
130	Y 37318	K. Carswell	July 25/69	Aug. 12/69	July 25/70
127	Y 37317	M. Cholach	"	"	"
131	Y 37319	K. Carswell	"	"	"
132	Y 37320	"	"	"	"

Claim	Grant No.	Staked By	Date Recorded	Date Transferred	Assessment Work Due
CON 133	Y 37321	K. Carswell	July 25/69	Aug. 12/69	July 25/70
134	Y 37322	"	"	"	"
135	Y 37323	"	"	"	"
136	Y 37324	"	"	"	"
137	Y 37325	"	"	"	"
138	Y 37326	M. Cholach	"	"	"
139	Y 37327	"	"	"	"
140	Y 37328	"	"	"	"
141	Y 37329	"	"	"	"
142	Y 37330	"	"	"	"
143	Y 37331	"	"	"	"
144	Y 37332	"	"	"	"
145	Y 37333	A.R. Archer	"	"	"
146	Y 37334	N. Trenholme	"	"	"
147	Y 37335	"	"	"	"
148	Y 37336	"	"	"	"
149	Y 37337	"	"	"	"
150	Y 37338	"	"	"	"
151	Y 37339	"	"	"	"
152	Y 37340	"	"	"	"
153	Y 37341	"	"	"	"
154	Y 37343	E. Cholach	Sept. 2/69	Sept. 2/69	Sept. 2/70
155	Y 37344	"	"	"	"
156	Y 37345	"	"	"	"
157	Y 37346	"	"	"	"
158	Y 37347	"	"	"	"
159	Y 37348	"	"	"	"
160	Y 37349	"	"	"	"
161	Y 37350	"	"	"	"
164	Y 37351	A. Balazs	"	"	"
165	Y 37352	"	"	"	"
166	Y 37353	"	"	"	"
167	Y 37354	"	"	"	"
168	Y 37355	"	"	"	"
169	Y 37356	"	"	"	"
170	Y 37357	A. Tottrup	"	"	"
171	Y 37358	"	"	"	"
172	Y 37359	"	"	"	"
173	Y 37360	"	"	"	"
174	Y 37361	"	"	"	"
175	Y 37362	"	"	"	"
176	Y 37363	"	"	"	"
177	Y 37364	"	"	"	"

Claim	Grant No.	Staked By	Date Recorded	Date Transferred	Assessment Work Due
CON 178	Y 37365	E. Anderson	Sept. 2/69	Sept. 2/69	Sept. 2/70
179	Y 37366	"	"	"	"
180	Y 37367	"	"	"	"
181	Y 37368	"	"	"	"
182	Y 37369	"	"	"	"
183	Y 37370	"	"	"	"
184	Y 37371	"	"	"	"
185	Y 37372	"	"	"	"
186	Y 37373	A. Archer	Sept. 9/69	Sept. 29/69	Sept. 9/70
187	Y 37374	"	"	"	"
188	Y 37375	"	"	"	"
189	Y 37376	"	"	"	"
190	Y 37377	"	"	"	"
191	Y 37378	"	"	"	"
192	Y 37379	"	"	"	"
193	Y 37382	C. Jensen	Sept. 17/69	Nov. 10/69	Sept. 17/70
194	Y 37383	"	"	"	"
195	Y 37384	"	"	"	"
196	Y 37385	"	"	"	"
197	Y 37386	"	"	"	"
198	Y 37387	"	"	"	"
199	Y 37388	"	"	"	"
200	Y 37389	"	"	"	"

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JACK MINERAL CLAIMS

Claim	Grant No.	Staked By	Date Recorded	Date Transferred	Assessment Work Due
JACK 1	87526	G. Marangoni	July 12/66	July 12/66	July 12/73
JACK 2	87527	"	"	"	"
JACK 3	87528	"	"	"	"
JACK 4	87529	"	"	"	"
JACK 5	87654	G. Gregg	July 18/66	July 18/66	July 18/74
JACK 6	87655	"	"	"	"
JACK 7	87656	"	"	"	"
JACK 8	87657	"	"	"	"

Connaught Mines Limited
11933 - 106 AVE., EDMONTON, ALBERTA

Mailing Address
P.O. BOX 3854
EDMONTON 41, ALBERTA
TELEPHONE (403)482-4451

LOU MINERAL CLAIMS

Claim	Grant No.	Staked By	Date Recorded	Date Transferred	Assessment Work Due
LOU 1	76540	M. Chefkoi		Apr. 26/66	Sept. 2/72
LOU 2	76541	"		"	"
LOU 3	76542	"		"	"
LOU 4	76543	"		"	"
LOU 25	87065	A.F. Tottrup		Apr. 15/66	Oct. 1/72
LOU 26	87066	"		"	"
LOU 27	87067	"		"	"
LOU 28	87068	"		"	"
LOU 29	87069	"		"	"
LOU 30	87070	"		"	"
LOU 31	87071	"		"	"
LOU 32	87072	"		"	"
LOU 33	87073	E. Bengts		Apr. 15/66	"
LOU 34	87074	"		"	"
LOU 35	87075	"		"	"
LOU 36	87076	"		"	"
LOU 37	87077	"		"	"
LOU 38	87078	"		"	"
LOU 39	87079	"		"	"
LOU 40	87080	"		"	"
LOU 41	87089	G.M.T. Marshall		Apr. 15/66	"
LOU 42	87090	"		"	"
LOU 43	87091	"		"	"
LOU 44	87092	"		"	"
LOU 45	87093	"		"	"
LOU 46	87094	"		"	"
LOU 47	87095	"		"	"
LOU 48	87096	"		"	"

APPENDIX "C"

DIAMOND DRILL HOLE CORE DESCRIPTIONS

The following is a summary of the footage drilled:

Drilled	Feet
DDH 3-103A	7
DDH 3-103B	151
DDH 3-104B	175
DDH 1-102	182
DDH 1-103	183
DDH 1-104	37
DDH 1-104A	177
DDH 1-105	203
DDH 1-106	141
DDH 1-107	160
TOTAL:	1,416 Ft.

Connaught Mines Limited

DIAMOND DRILL RECORD

HOLE NO: 1-102

STARTED: June 12/69 AZIMUTH: 140°

COMPLETED: June 15/69 DIP: -60°

RECOVERY: 100% LENGTH: 182

DRILLED BY: EL. COLLAR:

LOGGED BY: M. Cholach EL. BOTTOM:

DIP TEST

From	To	DESCRIPTION	ASSAY From	ASSAY To	ASSAY No.
0	5	Casing			
5	22.5	Quartz feldspar muscovite biotite sheared granite augen gneiss, foliation 35°			
22.5	23.7	Quartz vein			
23.7	66.4	Quartz feldspar biotite, sheared granite augen gneiss			
66.4	68.1	Biotite schist with green lenses			
68.1	115.5	Augen gneiss			
115.5	116	Biotite schist			
116	133	Augen gneiss			
133	135.6	Augen gneiss with limonite and			
135.6	178.3	Geothite staining on joint faces (Augen Gneiss)			
178.3	179	Biotite schist			
179	182	Augen gneiss			

Connaught Mines Limited

DIAMOND DRILL RECORD

HOLE NO: 1-103

STARTED: June 15/69 AZIMUTH: 135°

COMPLETED: June 16/69 DIP: -55°

RECOVERY: 90% LENGTH: 183

DRILLED BY: EL. COLLAR:

LOGGED BY: M. Cholach EL. BOTTOM:

DIP TEST

From	To	DESCRIPTION	ASSAY From	ASSAY To	ASSAY No.
0	8	Casing			
8	31	Quartz plagioclase muscovite biotite augen gneiss (recovered 19.8 feet)			
31	34	Jointed augen gneiss, joint faces stained with limonite, foliation 50°			
?'	63.6	Augen gneiss with occasional bands of biotite schist			
63.6	64.7	Broken augen gneiss			
64.7	75.6	Augen gneiss, foliation 45°			
75.6	82.9	Jointed augen gneiss, joint faces covered with limonite and goethite			
82.9	102.7	Altered augen gneiss, extensive limonite staining			
102.7	104.6	Biotite schist, foliation 30°.			
104.6	112.1	Augen gneiss			
112.1	127.7	Bleached augen gneiss, slightly fractured			
127.7	127.8	Galena veinlet			
127.8	130.7	Limonite stained augen gneiss			
130.7	131.6	Fault zone containing minor galena	130.7	134	15215 B
131.6	133.5	Bleached augen gneiss			
133.5	133.6	Galena veinlet			
133.6	134.5	Greenish altered gneiss with some galena & pyrite			
134.5	134.7	Greenish bleached gneiss	134	139	15216 B
134.7	135.3	Galena veinlet			
,.3	138.3	Bleached gneiss			

Connaught Mines Limited

HOLE NO. 1-103

FROM	TO	DESCRIPTION	ASSAY FROM	ASSAY TO	ASSAY NO.
138.3	138.6	Galena			
138.6	141.5	Bleached fractured gneiss with traces of galena			
141.5	141.6	Galena veinlet	139	144	15217 B
141.6	145.5	Bleached gneiss with occasional traces of galena			
145.5	147.6	Fault zone, galena and some pyrite			
147.6	148.2	Bleached gneiss			
148.2	148.3	Galena veinlet	144	149	15218 B
148.3	153	Highly altered limonite stained broken gneiss	149	153	15219 B
153	155.8	Fault zone, brecciated gneiss & clay gouge (illite)	153	155.8	15220 B
155.8	161.7	Highly altered limonite stained augen gneiss			
161.7	164.2	Augen gneiss	155.8	164.2	15221 B
164.2	165.1	Galena veinlet	164.2	165.1	15222 B
165.1	166.9	Highly altered, slightly brecciated augen gneiss extensive limonite staining			
166.9	169.4	Fault breccia with traces of galena mineralization			
169.4	183	slightly fractured augen gneiss			

Connaught Mines Limited

DIAMOND DRILL RECORD

HOLE NO: DDH 1-104

STARTED: June 16/69 AZIMUTH: 315°

COMPLETED: June 17/69 DIP: -63°

RECOVERY: LENGTH:

DRILLED BY: EL. COLLAR:

LOGGED BY: M. Cholach EL. BOTTOM:

DIP TEST

From	To	DESCRIPTION	ASSAY From	ASSAY To	ASSAY No.
0	12	Casing			
12	37	Quartz plagioclase biotite			
		muscovite augen gneiss			
		Foliation: 17' - 50°			
		28' - 40°			
		37' - 40°			

Connaught Mines Limited

DIAMOND DRILL RECORD

HOLE NO: 1-104A

STARTED: June 17/69 AZIMUTH: 315°

COMPLETED: June 25/69 DIP: -63°

RECOVERY: 100% LENGTH: 177'

DRILLED BY: EL. COLLAR:

LOGGED BY: M. Cholach EL. BOTTOM:

DIP TEST

From	To	DESCRIPTION	ASSAY From	ASSAY To	ASSAY No.
0	10	Casing			
10	92	Quartz plagioclase biotite muscovite augen gneiss with thin bands of biotite schist foliation: 15' - 40° 30' - 34° 45' - 50° 60' - 60° 75' - 50° 90' - 51°			
92	93.8	Biotite schist			
93.8	111.6	Augen gneiss, foliation 58°			
111.6	113.2	Biotite schist			
113.2	117	Augen gneiss, slightly jointed, joint faces stained with limonite and some goethite			
117	123.4	Bleached, altered, limonite stained augen gneiss			
123.4	126	Fault zone - brecciated gneiss, limonite stained, vuggy.			
126	149	Augen gneiss, slightly jointed, joint faces covered with goethite			
149	155.2	Bleached augen gneiss	150	155	15272 B
155.2	159.1	Galena, quartz and clay gouge	155	159	15273 B
159.1	168.4	Brecciated and vuggy gneiss with occasional thin veinlets of illite; foliation 32°	159	161	15274 B
			161	164	15275 B

Connaught Mines Limited

HOLE NO. 1-104A

FROM	TO	DESCRIPTION	ASSAY FROM	ASSAY TO	ASSAY NO.
168.4	175.3	Bleached augen gneiss, jointed with joint faces covered with limonite and geothite	164	169	15276
175.3	177	Pugen gneiss, foliation 45°			

Connaught Mines Limited

DIAMOND DRILL RECORD

HOLE NO: 1-105

STARTED: June 25/69 AZIMUTH: 315°

COMPLETED: July 1/69 DIP: -55°

RECOVERY: 100% LENGTH: 203

DRILLED BY: C & M EL. COLLAR:

LOGGED BY: M. Cholach EL. BOTTOM:

DIP TEST

From	To	DESCRIPTION	ASSAY From	ASSAY To	ASSAY No.
0	12	Overburden			
12	37.2	Quartz plagioclase muscovite, biotite augen			
		gneiss, foliation 33°			
37.2	38.0	Quartz and brecciated gneiss, foliation 31°			
38.0	83.7	Augen gneiss			
		Foliation: 50' - 38°			
		60' - 41°			
		70' - 40°			
		80' - 50°			
83.7	85.6	Jointed augen gneiss, joint faces stained with			
		limonite			
85.6	103.2	Augen gneiss			
		Foliation: 90' - 60°			
		100' - 41°			
103.2	104.6	Biotite schist			
104.6	109.4	Augen gneiss, biotite rich			
109.4	110.7	Highly altered brecciated gneiss			
110.7	115.4	Quartz with some brecciated	110	115	15277 B
		Gneiss	115	120	15278 B
115.4	117.4	Vein material, quartz, brecciated	120	125	15279 B
		Gneiss, some faint traces of	125	130.6	15280 B
		Arsenopyrite mineralization	130.6	132.6	15281 B
117.4	127.4	Altered and brecciated gneiss, jointed faces			
		faces stained with limonite and goethite			

Connaught Mines Limited

HOLE NO. 1-105

FROM	TO	DESCRIPTION	ASSAY FROM	ASSAY TO	ASSAY NO.
127.4	130.6	Vein material, quartz and illite, highly leached, no evidence of mineralization			
130.6	132.7	Altered brecciated gneiss			
132.7	144.8	Augen gneiss, foliation (140') 50°			
144.8	146.5	Altered limonite stained gneiss			
146.5	152.2	Augen gneiss, foliation 31°			
152.2	153	Brecciated augen gneiss			
153	203	Augen gneiss with occasional thin quartz veins			
		Foliation: 160' - 40°			
		170' - 50°			
		180' - 50°			
		190' - 40°			

Connaught Mines Limited

DIAMOND DRILL RECORD

HOLE NO: 1-106

STARTED: July 1/69 AZIMUTH: 315°

COMPLETED: July 3/69 DIP: -60°

RECOVERY: 100% LENGTH: 141

DRILLED BY: C & M EL. COLLAR:

LOGGED BY: M. Cholach EL. BOTTOM:

DIP TEST

From	To	DESCRIPTION	ASSAY From	ASSAY To	ASSAY No.
0	6	Overburden			
6	40	Quartz plagioclase muscovite			
		biotite augen gneiss with			
		occasional thin bands of biotite schist			
		foliation: 10' - 43°			
		20' - 41°			
		30' - 40°			
		40' - 30°			
41	41.1	Jointed, brecciated altered gneiss			
41.1	84.2	Augen gneiss			
		foliation: 50' - 41°			
		60' - 43°			
		70' - 42°			
		80' - 45°			
84.7	91.4	Slightly altered, limonite stained			
		augen gneiss			
		foliation: 50°			
91.4	124.2	Augen gneiss			
		foliation: 90' - 55°			
		100' - 50°			
		110' - 48°			
		120' - 46°			
124.2	125.3	Altered brecciated augen gneiss	126.2	132.2	15284 B
		limonite stained	132.2	135.8	15285 B
125.3	136.7	Fault zone, brecciated gneiss	135.8	140.8	15286 B
		quartz and illite.			
		galena from 132.3 to 135.7			

Connaught Mines Limited

HOLE NO. 1-106

FROM	TO	DESCRIPTION	ASSAY FROM	ASSAY TO	ASSAY NO.
136.7	141	Altered limonite stained augen gneiss			

Connaught Mines Limited

DIAMOND DRILL RECORD

HOLE NO: 1-107

STARTED: July 3/69 AZIMUTH: 320°

COMPLETED: July 5/69 DIP: -55°

RECOVERY: 100% LENGTH: 160'

DRILLED BY: C & M EL. COLLAR:

LOGGED BY: M. Cholach EL. BOTTOM:

DIP TEST

From	To	DESCRIPTION	ASSAY From	ASSAY To	ASSAY No.
0	8	Overburden			
8	53	Quartz plagioclase muscovite			
		Biotite augen gneiss			
		Foliation: 10' - 34°			
		20' - 38°			
		30' - 30°			
		40' - 35°			
		50' - 41°			
53	54.1	Biotite schist			
54.1	77.9	Augen gneiss with occasional thin bands of			
		biotite schist, slightly brecciated in parts			
		Foliation: 60' - 34°			
		70' - 50°			
77.9	80.7	Brecciated gneiss and biotite schist			
		Foliation: 80' - 55°			
80.7	81.9	Augen gneiss			
81.9	84.5	Biotite schist with some thin chlorite bands			
84.5	124	Augen gneiss			
		Foliation: 90' - 41°			
		100' - 35°			
		110' - 38°			
		120' - 40°			
124	135.2	Slighly altered limonite			
		stained gneiss			
		foliation: 130' - 32°			

Connaught Mines Limited

HOLE NO. 1-107

FROM	TO	DESCRIPTION	ASSAY FROM	ASSAY TO	ASSAY NO.
135.2	144	Fault zone - brecciated	134	139	15287 B
		Goethite & limonite stained gneiss	139	144	15288 B
144	150.3	Quartz vein			
150.3	160	Bleached, slightly brecciated augen gneiss			

Connaught Mines Limited

DIAMOND DRILL RECORD

HOLE NO: 3-103 B

STARTED: June 7/69 AZIMUTH: 330°

COMPLETED: June 10/69 DIP: -60°

RECOVERY: 78% LENGTH: 151

DRILLED BY: C & M EL. COLLAR:

LOGGED BY: M. Cholach EL. BOTTOM:

DIP TEST

From	To	DESCRIPTION	ASSAY From	ASSAY To	ASSAY No.
0	8	Casing			
8	23.6	Quartz plagioclase muscovite biotite gneiss, highly fractured some iron oxide staining (recovered 12.2 feet). Foliation 60°.			
23.6	30.1	Highly altered bleached gneiss, broken extensive limonite coating (recovered 5 feet).			
30.1	31.5	Quartz and illite (fault zone).			
31.5	36.1	Brecciated limonite stained gneiss (recovered 1.7 feet).			
36.1	37.0	Quartz and illite (fault zone).			
37.0	39.2	Bleached brecciated gneiss (recovered 1.2 feet).			
39.2	45	Bleached limonite gneiss (recovered 1.2 feet)			
45	51	Bleached jointed gneiss (foliation 56°).			
51	75.6	Altered greyish green feldspathic.	75	80	1517 7B
		Gneiss, extensively brecciated (recovered 12 ft.)	80	85	1517 8B
			85	90	1517 9B
75.6	100.2	Reddish altered gneiss, slightly	90	95	1518 0B
		Fractured (foliation 50°) recovered 22 feet.	95	100	1518 1B
100.2	101.9	Highly fractured limonite stained gneiss.	100	105	1518 2B
			105	110	1518 3B
101.9	103.3	Reddish altered gneiss, quartz	110	115	1518 4B
103.3	104	Limonite & quartz	115	120	1518 5B
104	105.1	Bleached sericitized gneiss	120	125	1518 6R
5.1	112.8	Biotite schist (foliation 53°)			
112.8	113.2	Limonite rich horizon			

Connaught Mines Limited

HOLE NO. 3-103 B

OM	TO	DESCRIPTION	ASSAY FROM	ASSAY TO	ASSAY NO.
113.2	117.3	Biotite schist			
117.3	118.1	Limonite rich horizon			
118.1	119.3	Biotite schist (foliation 53°)			
119.3	124.1	Altered greyish green feldspathic gneiss.			
124.1	127.6	Illite, quartz, some traces of	124.1	127.6	1517 6B
		highly altered anglesite and galena	125	130	1518 7B
		(recovered 1.3 feet)	130	135	1518 8B
127.6	138.6	Bleached, brecciated gneiss	135	140	1518 9B
138.6	140.1	Bleached chlorite rich gneiss			
140.1	141.6	Brecciated chlorite rich gneiss			
141.6	151	Sericitized bleached gneiss (foliation	140	145	1519 0B
		40°), slightly jointed, joint faces	145	150	1519 1B
		covered with limonite to goethite.			

Connaught Mines Limited

DIAMOND DRILL RECORD

HOLE NO: 3-104

STARTED: June 10/69 AZIMUTH: 330°

COMPLETED: June 12/69 DIP: -60°

RECOVERY: 79% LENGTH: 175

DRILLED BY: C & M EL. COLLAR:

LOGGED BY: M. Cholach EL. BOTTOM:

DIP TEST

From	To	DESCRIPTION	ASSAY From	ASSAY To	ASSAY No.
0	9	Casing			
9	19.5	Bleached gneiss, recognizable micas, some limonite staining, foliation 65°, (recovered 7.2 feet).			
19.5	28.6	Bleached jointed gneiss, no recognizable micas, joint faces coated with limonite and geothite (recovered 9.3 feet).			
28.6	30.1	Bleached gneiss			
30.1	48.6	Highly sericitized feldspathic gneiss (recovered 17.2 feet), foliation 66°.			
48.6	60.5	Altered brecciated gneiss, some illite (major fault zone), recovered 5.1 feet.	55	60	1519 2B
60.5	68	Extremely altered bleached gneiss (recovered 5 feet).	60	65	1519 3B
68	92	Bleached, brecciated limonite & geothite stained gneiss (recovered 9 feet)	65	70	1519 4B
			70	75	1519 5B
92	97	No recovery			
97	109.5	Bleached, gneiss, some vugs in core at 103 feet, foliation 15°, recovered 10.1 feet)	75	80	1519 6B
109.5	114.5	Altered porphyry			
114.5	115.1	Minor fault (illite to quartz)	85	90	1519 8B
115.1	143.6	Well foliated quartz feldspar biotite gneiss, slightly bleached. Foliation 30°	90	95	1519 9B
143.6	146.1	Fault zone; illite, quartz & broken gneiss	95	100	1520 0B

Connaught Mines Limited

HOLE NO. 3-104

FROM	TO	DESCRIPTION	ASSAY FROM	ASSAY TO	ASSAY NO.
146.1	149.3	Bleached brecciated gneiss, faces	100	105	15201 B
		coated with limonite and goethite	105	110	15202 B
149.3	154.2	Jointed bleached gneiss, joint faces	110	115	15203 B
		coated with limonite and goethite	115	120	15204 B
		(recovered 3.9 feet)	120	125	15205 B
154.2	156	Altered greyish green feldspathic	125	130	15206 B
		gneiss	130	135	15207 B
156	156.6	Quartz vein	135	140	15208 B
156.6	175	Bleached quartz, feldspar biotite	140	145	15209 B
		gneiss, foliation 40°	145	150	15210 B
			150	155	15211 B
			155	160	15212 B
			160	165	15213 B
			170	175	15214 B

APPENDIX "D"

Settlement for a shipment of lead-silver ore made to COMINCO, Trail, B. C. from the Sixtymile River property.

COMINCO LTD. THE CONSOLIDATED MINING AND SMELTING COMPANY OF CANADA LIMITED
formerly

ORK SERIAL NO. 3935-C

D SETTLEMENT

FINAL

Sept. 14, 1966

In Account With: Sixty Mile Mining C[illegible] J., c/o Tottrup & Associates Ltd., P.O. Box X 3832 Station D, EDMONTON, ALTA.

Lot No. 1 Car No. CP 377238 Received July 28th

For Lead Ore

Freight Value $ Freight Rate $

SCALE WEIGHT

Gross	Tare	Net
87,720 lb.	48,580 lb.	39,140 lb.

WEIGHT OF SHIPMENT

Gross	No. Sacks	Wt. of Sacks	Net Wet Wt.	.5	%H2O	Net Dry Wt.	Dry Tons
lb.		lb.	39,140 lb.		196 lb.	38,944 lb.	19.4720

ASSAYS

Gold	Silver	Wet Lead	Zinc	Sulphur	Silica	Iron	Lime	Arsenic	Antimony
.006 oz. per dry ton	67.0 oz. per dry ton	67.3 %	.2 %	11.1 %	XX2 3.1 %	1.2 %	.1 %	.5 %	.6 %

AVERAGE QUOTATIONS

Month of August 1966

Exchange 7.51495

GOLD	$			Less $1.25		Net $	oz.
SILVER	New York price $	1.293			.02	Net $ 1.37017	oz.
LEAD	New York price	12.656	c. lb.	Less	.6	Net 12.056	c. lb.
ZINC "P.W."	St. Louis price		c. lb.	Less		Net	c. lb.

CONTENTS AND VALUE

CONTENTS			CONTENTS PAID FOR		NET QUOTATION		VALUE
ozs. GOLD		%		ozs. @ $		oz.	$
1,394.62 ozs. SILVER	95	%	1,239.39	ozs. @ $	1.37017	oz.	1,698.17
26,209 lbs. LEAD	92.5	%	24243	lbs. @	12.056	c. lb.	2,922.74
lbs. ZINC		%		lbs. @		c. lb.	

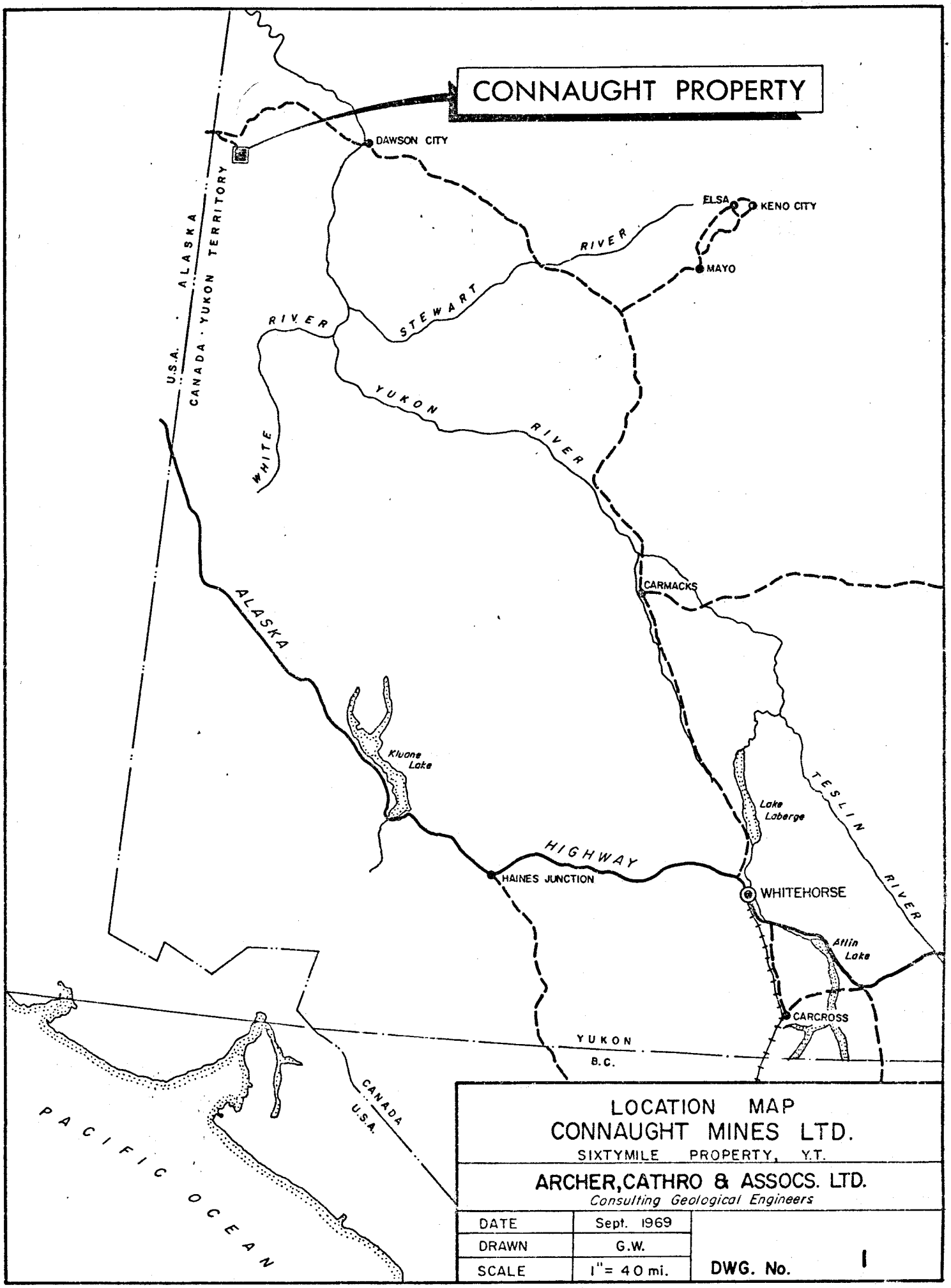
TOTAL GROSS VALUE		$ 4,620.91
Less treatment @ $ 11.57	(Details below)	225.29
		$ 4,395.62
Less: Trucking	$	
Switching	7.10	
Freight	10.30	17.40
		$ 4,378.22
Less % Royalty on $ to		$ -
		$ 4,378.22
	ADVANCED-	-
	BALANCE-	$ 4,378.22

TREATMENT RATE

Base Charge	$ 15.00
Iron Zinc Penalty	
Arsenic Antimony .6 @ 1.25	.75
Moisture	
Extra handling	
Lead credit/debit 37.3 @ .10	3.73 Cr.
Silica Lime credit 3.2 @ .14	.45 Cr.
TOTAL TREATMENT PER DRY TON	$ 11.57

DB:dm

COMINCO 210-5210
MOORE BUSINESS FORMS LTD.



LOCATION MAP
CONNAUGHT MINES LTD.
SIXTYMILE PROPERTY, Y.T.

ARCHER, CATHRO & ASSOCS. LTD.
Consulting Geological Engineers

DATE	Sept. 1969
DRAWN	G.W.
SCALE	1" = 40 mi.

DWG. No. 1

64° 00'

140° 30'

LEGEND

ROAD

PROPOSED ALTERNATE ROAD

NEW CAMPSITE

PAG GROUP

ROB GROUP

THE GROUP

SKIP GROUP

ELA-KIT-JO-TOM GROUP

REX-LUBRA GROUP

BEN GROUP

JACK GROUP

CON GROUP

C.E. GROUP

C.C.L. GROUP

T O B GROUP

LOU GROUP

SIXTYMILE RIVER

BEDROCK CREEK

WADDING GULCH

MOSQUITO CREEK

BOUCHER CREEK

BOURDELAIS GULCH

BUTLER GULCH

2500 3000 3500 4000 4500

CONNAUGHT MINES LTD.

SIXTY MILE RIVER AREA, YUKON TERRITORY

CLAIM LOCATION MAP

(CLAIM SHEET 115-N-15)

DATE	NOVEMBER 1969
DRAWN	E. Harymann
SCALE	1" = 1/4 MILE

FIG. 2

ROB-PAG-PER GROUP

THE GROUP

ELA-KIT-JO-TOM GROUP

SKIP GROUP

TOB GROUP

FIG'S 6,6A,6B

REX-LUBRA GROUP

FIG. 4

FIG'S 5, 5A, 5B, 5C, 5D, 5E.

FIG. 7

FIG. 8A SOIL SAMPLING Cu (GRID I)
FIG. 8B SOIL SAMPLING Mo (GRID I)

FIG. 8 SOIL SAMPLING Pb (GRID I)

FIG'S 9, 9A, 9B, SOIL SAMPLING (GRID 2)

FIG'S 11, 11A, 11B, 11C, SOIL SAMPLING (GRID 3)

LEGEND

CONNAUGHT MINES LTD. CLAIM BOUNDARY ————

ADJOINING MINERAL CLAIMS – – – – – –

FIGURE NUMBER — FIG. 8 SOIL SAMPLING, Pb (GRID 1)

FIGURES 2, 10, 10A, 10B, & 12 COVER THE MAP AREA

CONNAUGHT MINES LIMITED

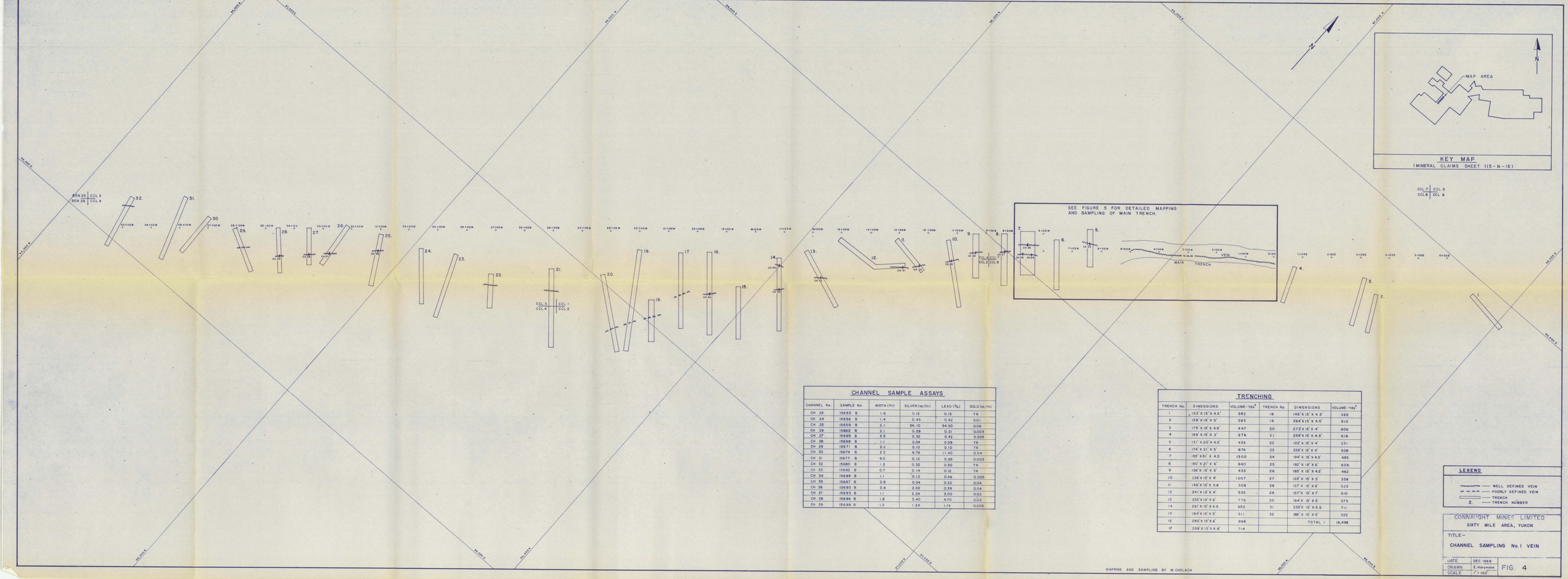
SIXTY MILE RIVER AREA, YUKON TERRITORY

TITLE:-

FIGURE LOCATION MAP

DATE	DEC/1969
DRAWN	D. CONLON
SCALE	1/2 MI. = 1"

F - 3



CHANNEL SAMPLE ASSAYS

CHANNEL No.	SAMPLE No.	WIDTH (Ft)	SILVER (oz/Tn)	LEAD (%)	GOLD (oz/Tn)
CH 23	15653 B	1.6	0.12	0.15	TR
CH 24	15656 B	1.4	0.43	0.42	0.01
CH 25	15659 B	2.1	54.10	54.50	0.06
CH 26	15662 B	2.1	0.28	0.21	0.005
CH 27	15665 B	3.3	0.32	0.42	0.005
CH 28	15668 B	1.1	0.04	0.09	TR
CH 29	15671 B	2.2	0.10	0.10	TR
CH 30	15674 B	2.2	8.78	11.40	0.04
CH 31	15677 B	9.0	0.12	0.26	0.005
CH 32	15680 B	1.2	0.32	0.50	TR
CH 33	15682 B	0.7	0.14	0.12	TR
CH 34	15684 B	1.1	0.12	0.46	0.005
CH 35	15687 B	0.8	0.34	0.22	0.04
CH 36	15690 B	2.8	2.02	0.39	0.04
CH 37	15693 B	1.1	2.24	3.00	0.02
CH 38	15696 B	1.8	3.40	4.70	0.02
CH 39	15698 B	1.3	1.24	1.15	0.005

TRENCHING

TRENCH No.	DIMENSIONS	VOLUME-Yds³	TRENCH No.	DIMENSIONS	VOLUME-Yds³
1	153' X 15' X 4.5'	382	18	146' X 15' X 4.5'	365
2	138' X 15' X 5'	383	19	364' X 15' X 4.5'	910
3	175' X 15' X 4.6'	447	20	275' X 15' X 4'	606
4	166' X 15' X 3'	276	21	258' X 15' X 4.3'	616
5	131' X 20' X 4.5'	436	22	122' X 15' X 4'	271
6	174' X 21' X 5'	676	23	229' X 15' X 4'	508
7	153' X 61' X 4.5	1300	24	194' X 15' X 4.5'	485
8	180' X 21' X 6'	840	25	182' X 16' X 6'	606
9	106' X 15' X 5'	433	26	185' X 15' X 4.5'	462
10	238' X 15' X 8'	1057	27	122' X 15' X 5'	338
11	146' X 15' X 3.8	308	28	157' X 15' X 6'	523
12	241' X 15' X 4'	535	29	157' X 15' X 7'	610
13	233' X 15' X 6'	776	30	164' X 15' X 5'	273
14	261' X 15' X 4.5	652	31	233' X 15' X 5.5	711
15	184' X 15' X 5'	511	32	188' X 15' X 5'	522
16	290' X 15' X 6'	966		TOTAL =	18,498
17	268' X 15' X 4.8'	714			

LEGEND

- WELL DEFINED VEIN
- POORLY DEFINED VEIN
- TRENCH
- 2. TRENCH NUMBER

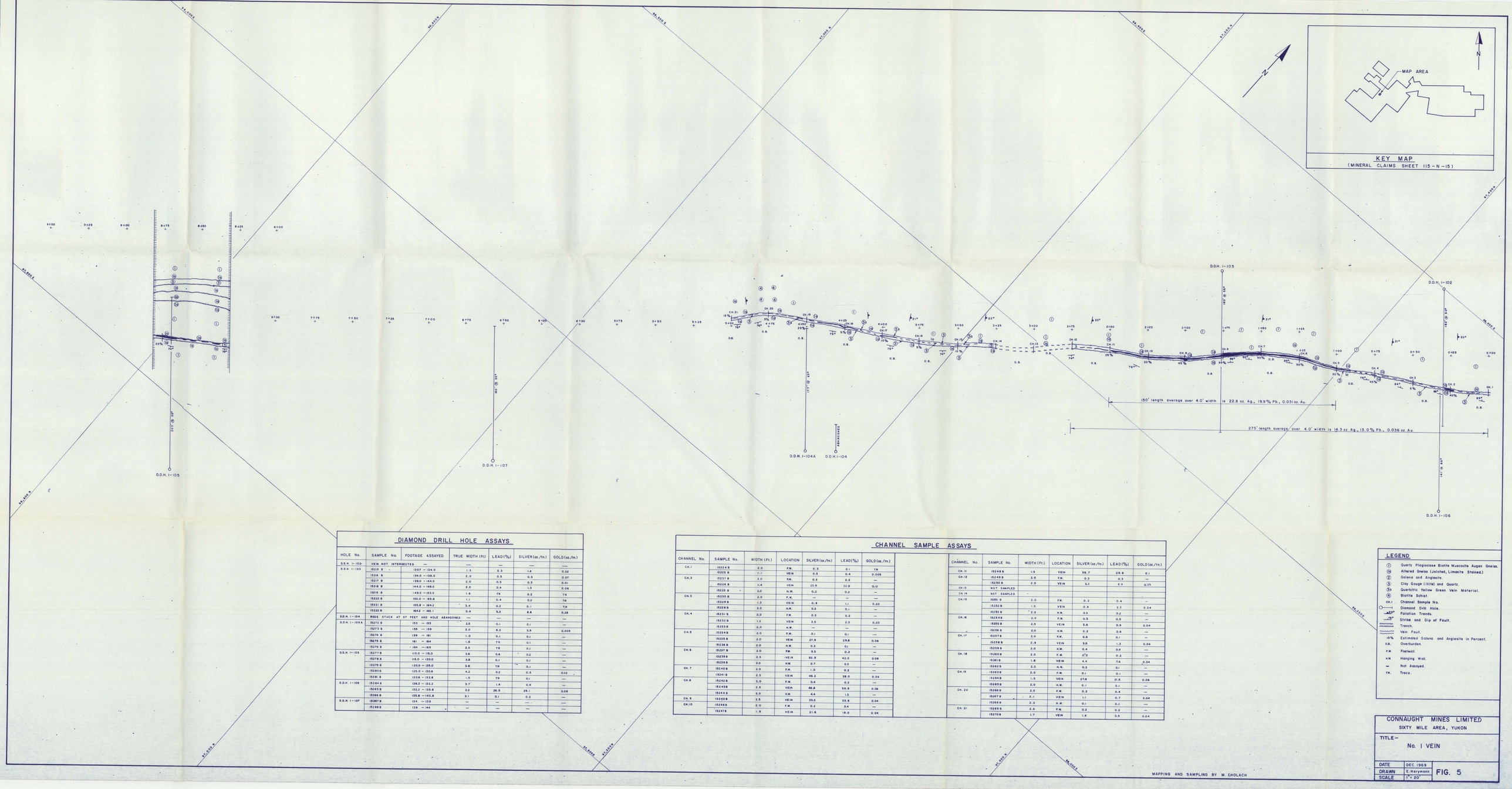
CONNAUGHT MINES LIMITED
SIXTY MILE AREA, YUKON

TITLE:-
CHANNEL SAMPLING No. 1 VEIN

DATE: DEC. 1969
DRAWN: E. Horyman
SCALE: 1" = 100'

FIG. 4

MAPPING AND SAMPLING BY M. CHOLACH



DIAMOND DRILL HOLE ASSAYS

HOLE No.	SAMPLE No.	FOOTAGE ASSAYED	TRUE WIDTH (ft)	LEAD(%)	SILVER(oz./tn.)	GOLD(oz./tn.)
D.D.H. I-102	VEIN NOT INTERSECTED	—	—	—	—	—
D.D.H. I-103	15215 B	130.7 – 134.0	1.3	2.3	1.8	0.02
	15216 B	134.0 – 138.0	2.0	0.5	0.5	0.07
	15217 B	138.0 – 144.0	2.0	0.3	0.3	0.01
	15218 B	144.0 – 149.0	2.0	0.4	1.3	0.06
	15219 B	149.0 – 153.0	1.6	TR	0.2	TR
	15220 B	153.0 – 155.8	1.1	0.4	0.2	TR
	15221 B	155.8 – 164.2	3.4	0.2	0.1	TR
	15222 B	164.2 – 165.1	0.4	5.3	8.6	0.28
D.D.H. I-104	RODS STUCK AT 37 FEET AND HOLE ABANDONED	—	—	—	—	—
D.D.H. I-104A	15272 B	150 – 155	2.5	0.1	0.1	—
	15273 B	155 – 159	2.0	8.3	3.5	0.005
	15274 B	159 – 161	1.0	0.1	0.1	—
	15275 B	161 – 164	1.5	TR	0.1	—
	15276 B	164 – 169	2.5	TR	0.1	—
D.D.H. I-105	15277 B	110.0 – 115.0	3.8	0.6	0.2	—
	15278 B	115.0 – 120.0	3.8	0.1	0.1	—
	15279 B	120.0 – 125.0	3.8	TR	0.1	—
	15280 B	125.0 – 130.6	4.2	0.2	0.5	0.02
	15281 B	130.6 – 132.4	1.5	TR	0.1	—
D.D.H. I-106	15284 B	126.2 – 132.2	3.7	1.4	0.4	—
	15285 B	132.2 – 135.8	2.2	26.5	29.1	0.09
	15286 B	135.8 – 140.8	3.1	0.1	0.3	—
D.D.H. I-107	15287 B	134 – 139	—	—	—	—
	15288 B	139 – 144	—	—	—	—

CHANNEL SAMPLE ASSAYS

CHANNEL No.	SAMPLE No.	WIDTH (Ft.)	LOCATION	SILVER(oz./tn.)	LEAD(%)	GOLD(oz./tn.)
CH. 1	15224 B	2.0	F.W.	0.3	0.1	TR
	15225 B	1.1	VEIN	0.3	0.4	0.005
CH. 2	15227 B	2.0	F.W.	0.3	0.2	—
	15226 B	1.4	VEIN	25.9	32.0	0.12
CH. 3	15235 B	2.0	H.W.	0.2	0.2	—
	15230 B	2.0	F.W.	—	—	—
	15229 B	1.3	VEIN	0.9	1.1	0.03
	15228 B	2.0	H.W.	0.3	0.1	—
CH. 4	15231 B	2.0	F.W.	0.2	0.2	—
	15232 B	1.2	VEIN	2.5	2.0	0.03
	15233 B	2.0	H.W.	—	—	—
CH. 5	15234 B	2.0	F.W.	0.1	0.1	—
	15223 B	2.0	VEIN	27.9	29.8	0.06
CH. 6	15236 B	2.0	H.W.	0.3	0.1	—
	15237 B	2.0	F.W.	0.3	0.2	—
	15238 B	2.3	VEIN	50.9	42.0	0.08
	15239 B	2.0	H.W.	0.7	0.3	—
CH. 7	15240 B	2.0	F.W.	1.0	0.2	—
	15241 B	2.3	VEIN	46.2	38.0	0.04
CH. 8	15242 B	3.0	F.W.	0.4	0.2	—
	15243 B	2.5	VEIN	66.8	56.8	0.06
	15244 B	3.0	H.W.	4.4	1.3	—
CH. 9	15245 B	2.5	VEIN	33.3	35.8	0.04
CH. 10	15246 B	2.0	F.W.	0.2	0.4	—
	15247 B	1.9	VEIN	21.6	19.0	0.04
CH. 11	15248 B	1.5	VEIN	38.7	29.6	0.1
CH. 12	15249 B	2.0	F.W.	0.3	0.3	—
	15250 B	2.5	VEIN	3.2	4.9	0.25
CH. 13	NOT SAMPLED	-				
CH. 14	NOT SAMPLED	-				
CH. 15	15251 B	2.0	F.W.	0.2	0.4	—
	15252 B	1.5	VEIN	0.9	2.3	0.04
	15253 B	2.0	H.W.	0.3	0.2	—
CH. 16	15254 B	2.0	F.W.	0.3	0.5	—
	15255 B	2.5	VEIN	3.6	0.9	0.04
	15256 B	2.0	H.W.	0.2	0.8	—
CH. 17	15257 B	2.0	F.W.	0.8	0.1	—
	15258 B	2.8	VEIN	3.0	1.3	0.04
	15259 B	2.0	H.W.	0.4	0.4	—
CH. 18	15260 B	2.0	F.W.	0.2	0.2	—
	15261 B	1.8	VEIN	4.4	7.6	0.04
	15262 B	2.0	H.W.	0.3	0.1	—
CH. 19	15263 B	2.0	F.W.	0.1	0.1	—
	15264 B	1.5	VEIN	27.8	21.6	0.06
	15265 B	2.0	H.W.	0.1	0.1	—
CH. 20	15266 B	2.0	F.W.	0.2	0.4	—
	15267 B	2.1	VEIN	1.1	0.7	0.04
	15268 B	2.0	H.W.	0.1	0.1	—
CH. 21	15269 B	2.0	F.W.	0.2	0.2	—
	15270 B	1.7	VEIN	1.8	0.5	0.04

LEGEND

- ① Quartz Plagioclase Biotite Muscovite Augen Gneiss.
- ⑯ Altered Gneiss (Jointed, Limonite Stained.)
- ② Galena and Anglesite.
- ③ Clay Gouge (Illite) and Quartz.
- ③a Quartzitic Yellow Green Vein Material.
- ④ Biotite Schist.
- CH.1 Channel Sample No.
- D.D.H. 1-104 Diamond Drill Hole.
- 45° Foliation Trends.
- 74° Strike and Dip of Fault.
- Trench.
- Vein Fault.
- 15% Estimated Galena and Anglesite in Percent.
- O.B. Overburden.
- F.W. Footwall.
- H.W. Hanging Wall.
- — Not Assayed.
- TR. Trace.

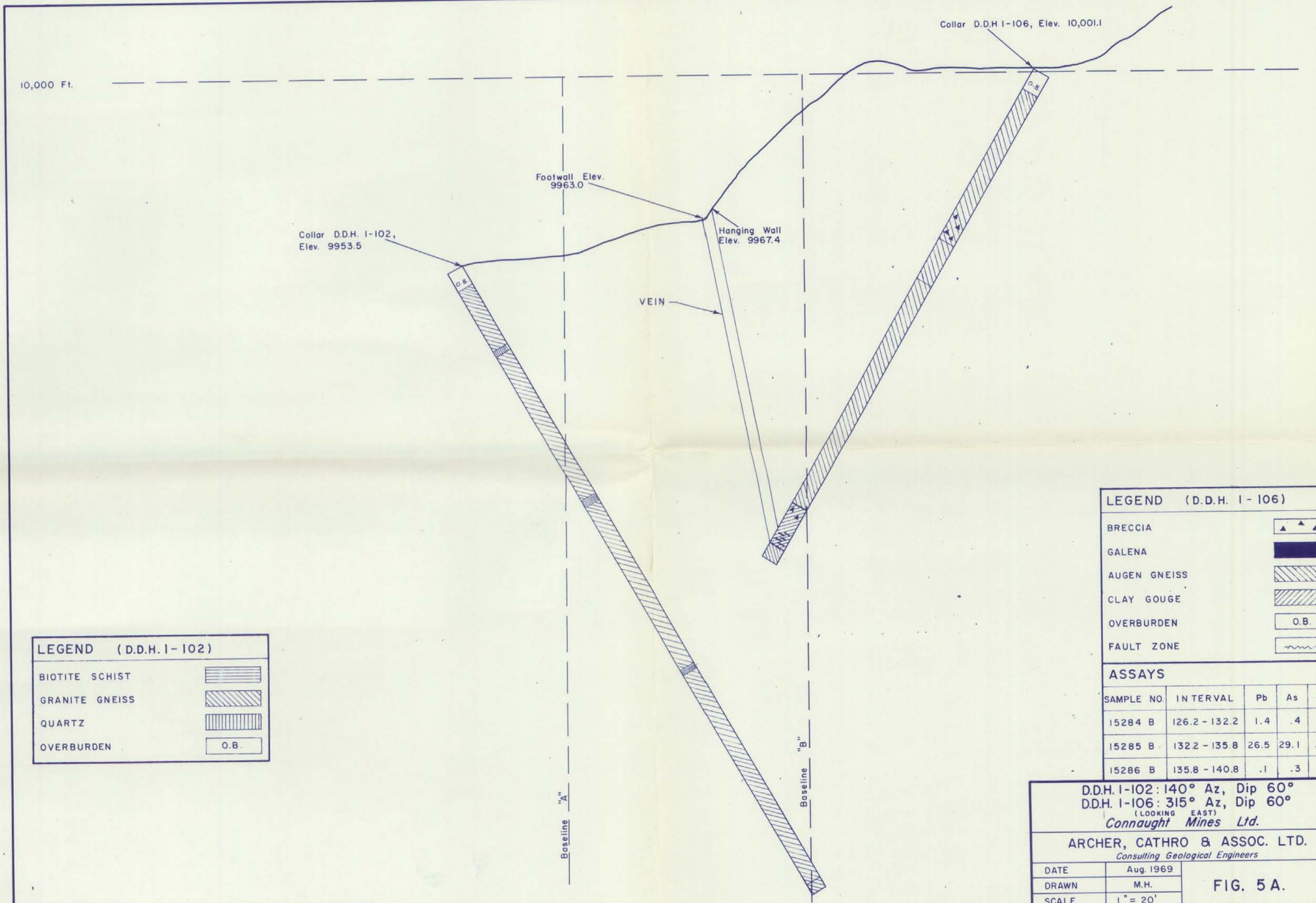
MAPPING AND SAMPLING BY M. CHOLACH

CONNAUGHT MINES LIMITED
SIXTY MILE AREA, YUKON

TITLE-
No. 1 VEIN

DATE	DEC 1969
DRAWN	E. Herymann
SCALE	1" = 20'

FIG. 5



LEGEND (D.D.H. 1-102)	
BIOTITE SCHIST	
GRANITE GNEISS	
QUARTZ	
OVERBURDEN	O.B.

LEGEND (D.D.H. 1-106)	
BRECCIA	
GALENA	
AUGEN GNEISS	
CLAY GOUGE	
OVERBURDEN	O.B.
FAULT ZONE	

ASSAYS

SAMPLE NO.	INTERVAL	Pb	As	Au
15284 B	126.2 - 132.2	1.4	.4	
15285 B	132.2 - 135.8	26.5	29.1	.08
15286 B	135.8 - 140.8	.1	.3	

D.D.H. 1-102 : 140° Az, Dip 60°
D.D.H. 1-106 : 315° Az, Dip 60°
(LOOKING EAST)

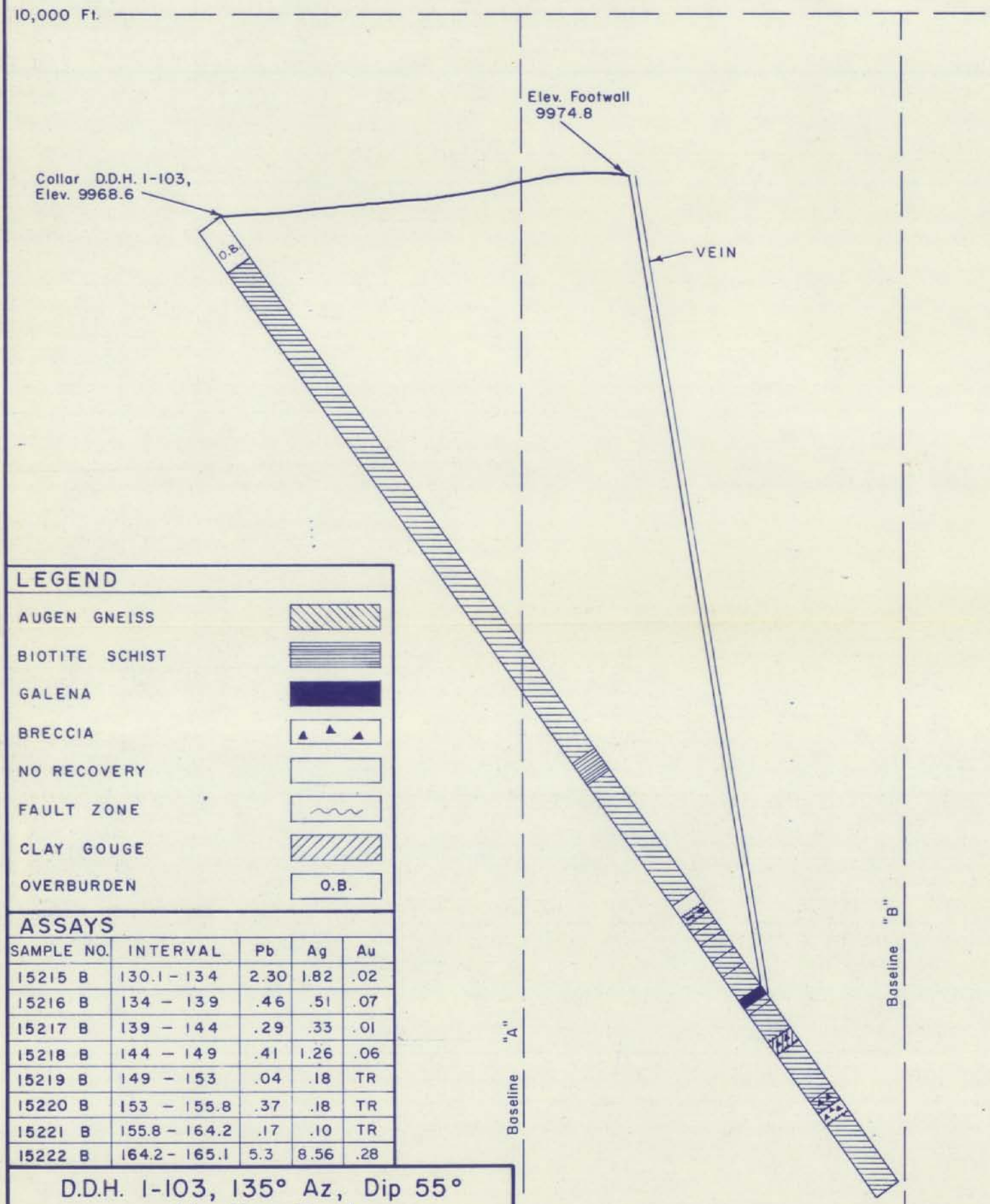
Connaught Mines Ltd.

ARCHER, CATHRO & ASSOC. LTD.
Consulting Geological Engineers

DATE	Aug. 1969
DRAWN	M.H.
SCALE	1" = 20'

FIG. 5A.

CORE DESCRIPTION & CROSS - SECTION BY M. CHOLACH



LEGEND

AUGEN GNEISS	
BIOTITE SCHIST	
GALENA	
BRECCIA	
NO RECOVERY	
FAULT ZONE	
CLAY GOUGE	
OVERBURDEN	O.B.

ASSAYS

SAMPLE NO.	INTERVAL	Pb	Ag	Au
15215 B	130.1 - 134	2.30	1.82	.02
15216 B	134 - 139	.46	.51	.07
15217 B	139 - 144	.29	.33	.01
15218 B	144 - 149	.41	1.26	.06
15219 B	149 - 153	.04	.18	TR
15220 B	153 - 155.8	.37	.18	TR
15221 B	155.8 - 164.2	.17	.10	TR
15222 B	164.2 - 165.1	5.3	8.56	.28

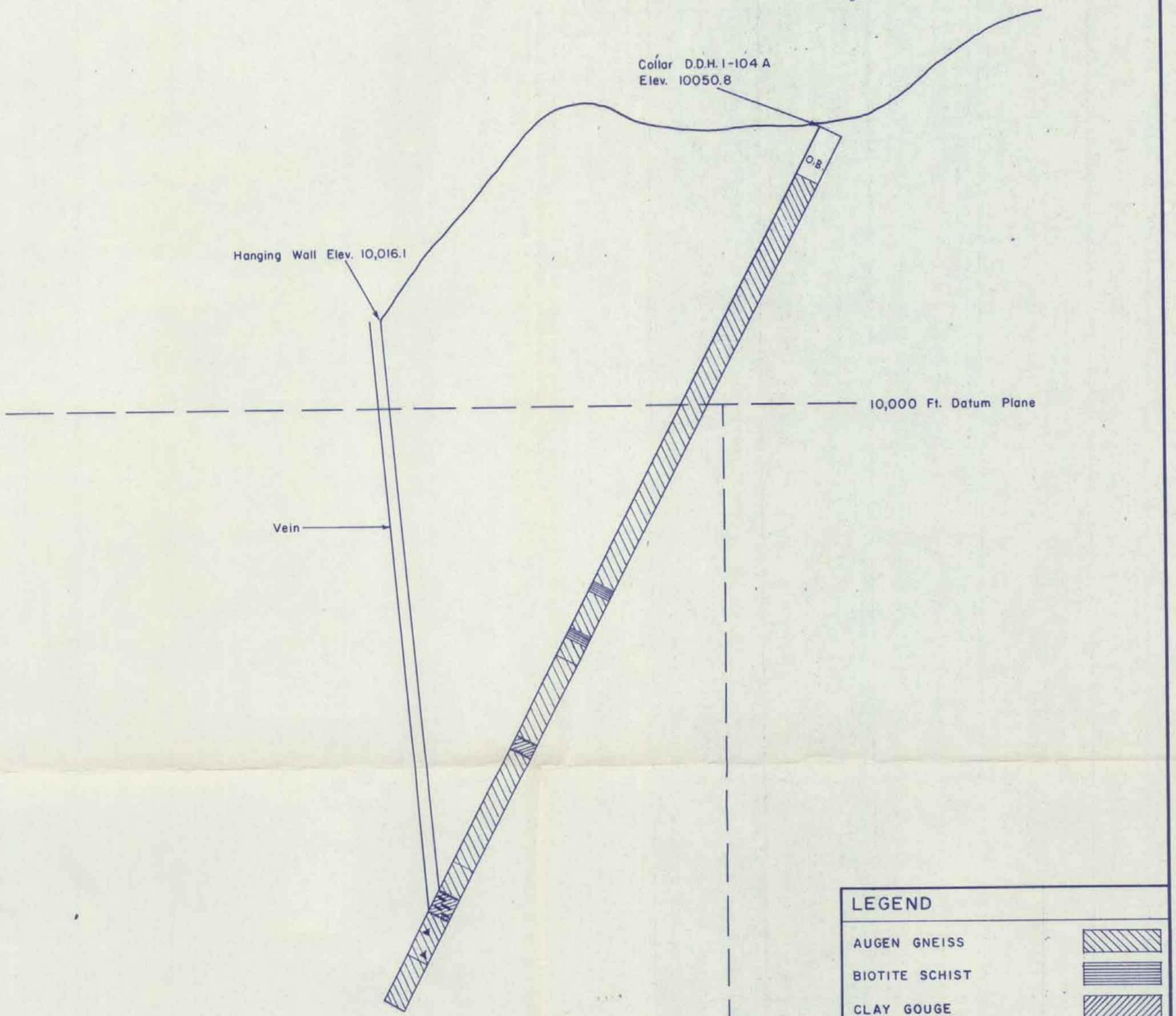
D.D.H. 1-103, 135° Az, Dip 55°
(Looking East)
Connaught Mines Ltd.

ARCHER, CATHRO & ASSOC. LTD.
Consulting Geological Engineers

DATE	Aug. 1969
DRAWN	M.H.
SCALE	1"= 20'

FIG. 5 B.

CORE DESCRIPTION & CROSS-SECTION BY M. CHOLACH



LEGEND

AUGEN GNEISS	
BIOTITE SCHIST	
CLAY GOUGE	
FAULT	
GALENA	
BRECCIA	
OVERBURDEN	O.B.

ASSAYS

SAMPLE NO.	INTERVAL	Pb-%	Ag-oz	Au-oz
15272 B	150 - 155	.07	.10	
15273 B	155 - 159	8.3	3.84	.005
15274 B	159 - 161	.11	.10	
15275 B	161 - 164	.01	.10	
15276 B	164 - 169	.02	.10	

CORE DESCRIPTION & CROSS-SECTION BY M. CHOLACH

D.D.H. 1-104 A

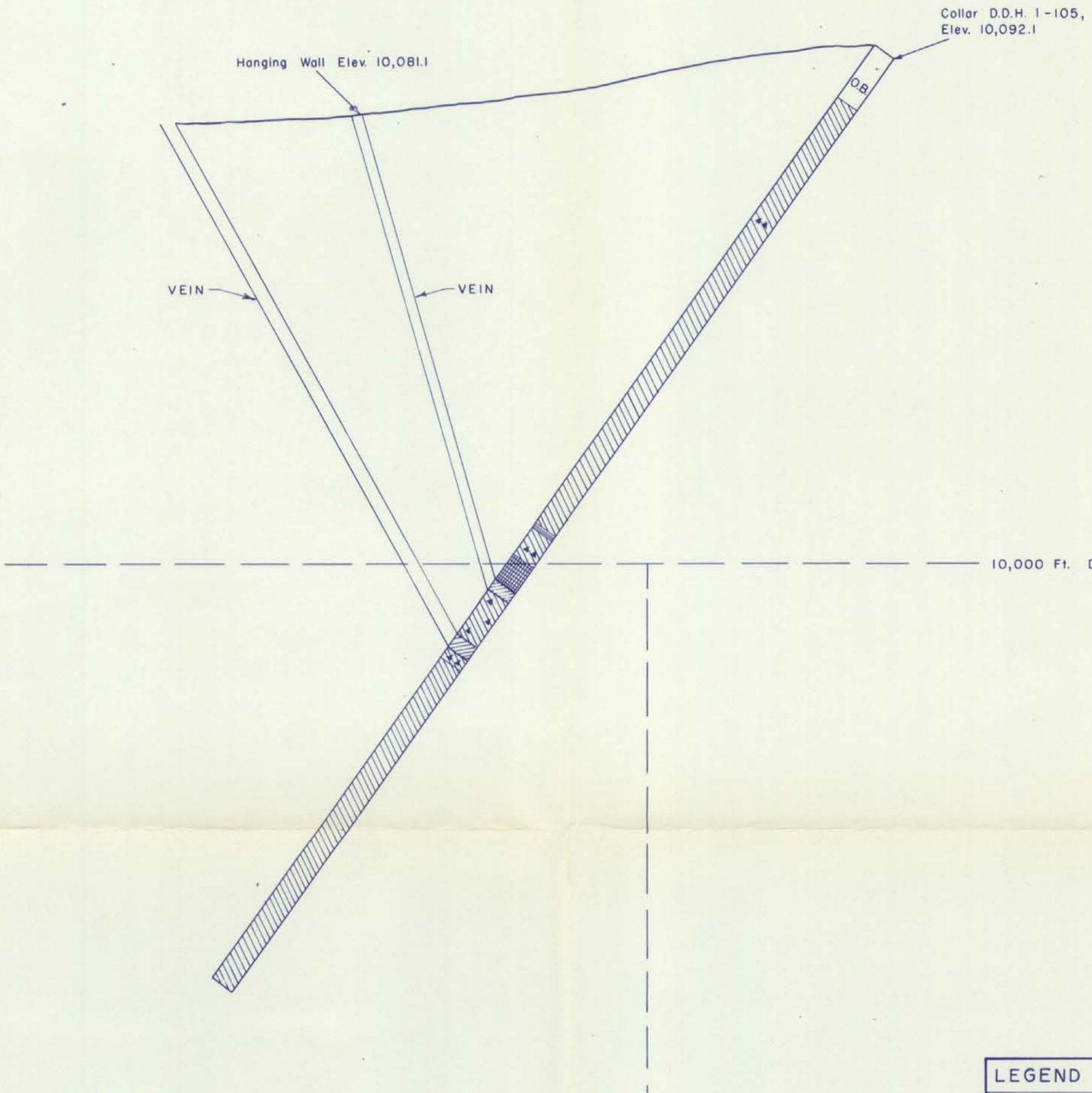
Connaught Mines Ltd.

ARCHER, CATHRO & ASSOC. LTD.

Consulting Geological Engineers

DATE	Aug. 1969
DRAWN	M.H.
SCALE	1" = 20'

FIG. 5C.



LEGEND

- BIOTITE SCHIST
- BRECCIA
- AUGEN GNEISS
- OVERBURDEN — O.B.
- QUARTZ
- VEIN MATERIAL
- FAULT

ASSAYS

SAMPLE NO.	INTERVAL	Pb-%	Ag-oz	Au-oz
15277 B	110 - 115	.6	.2	.01
15278 B	115 - 120	.1	.1	
15279 B	120 - 125	TR	.1	
15280 B	125 - 130.6	.2	.5	.02
15281 B	130.6 - 132.6	.01	.1	

CORE DESCRIPTION & CROSS - SECTION BY M. CHOLACH

D.D.H. 1-105

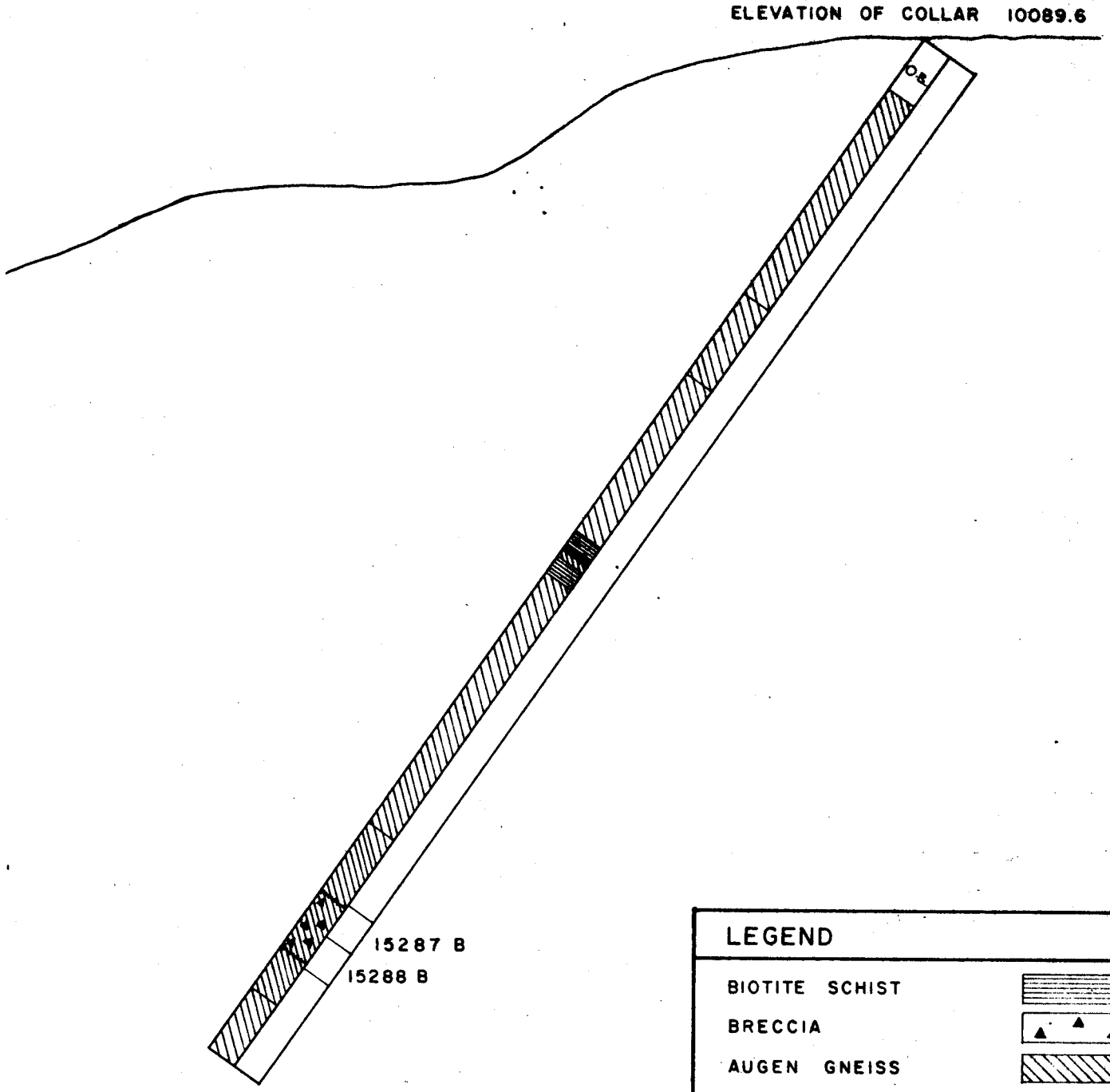
Connaught Mines Ltd.

ARCHER, CATHRO & ASSOC. LTD.

Consulting Geological Engineers

DATE	Aug. 1969
DRAWN	M.H.
SCALE	1" = 20'

FIG. 5 D.



LEGEND

BIOTITE SCHIST	
BRECCIA	
AUGEN GNEISS	
FAULT	
OVERBURDEN	O.B.

CONNAUGHT MINES LTD.

DDH 1-107, 320° Az, DIP - 55°

LOOKING EAST

SCALE: 1"= 20'

M. CHOLACH - GEOLOGIST

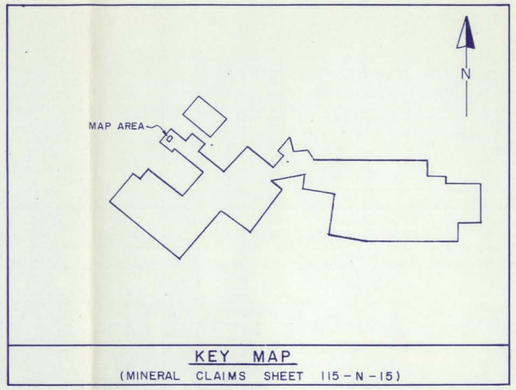
JULY 3 1969

DWN. BY: E.H.

FIG. 5 E.

ASSAYS

SAMPLE NO.	Pb	Ag	Au
15287 B	.08	.22	TR
15288 B	.09	.16	TR



KEY MAP
(MINERAL CLAIMS SHEET 115-N-15)

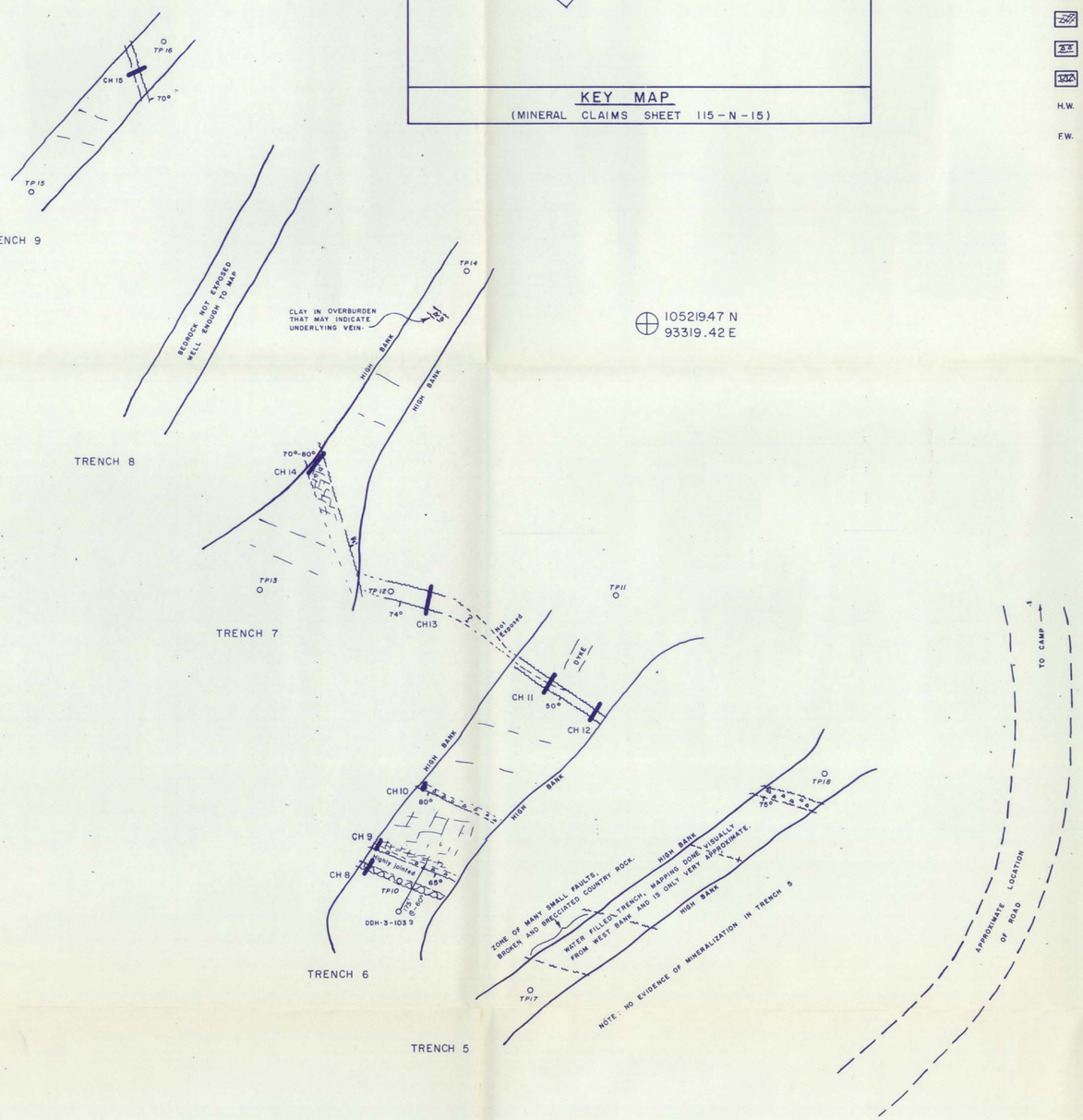
LEGEND

- Gneiss, usually bleached and siliceous near vein.
- Vein fault mainly quartz.
- Vein fault mainly broken country rock.
- Vein fault with galena and anglesite.
- Highly jointed and fractured.
- Brecciated
- Gouge, sand, clay
- H.W. Hangingwall
- F.W. Footwall

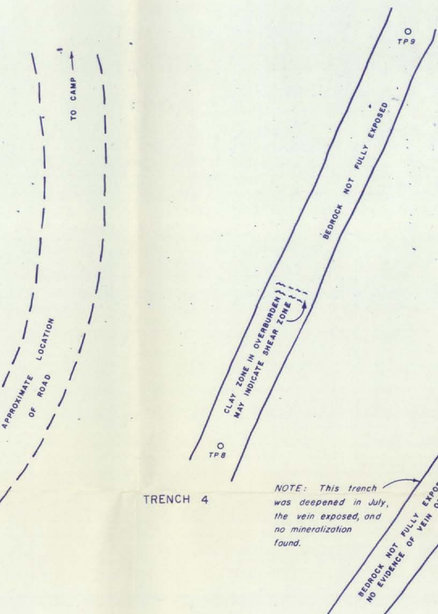
CHANNEL SAMPLE ASSAYS

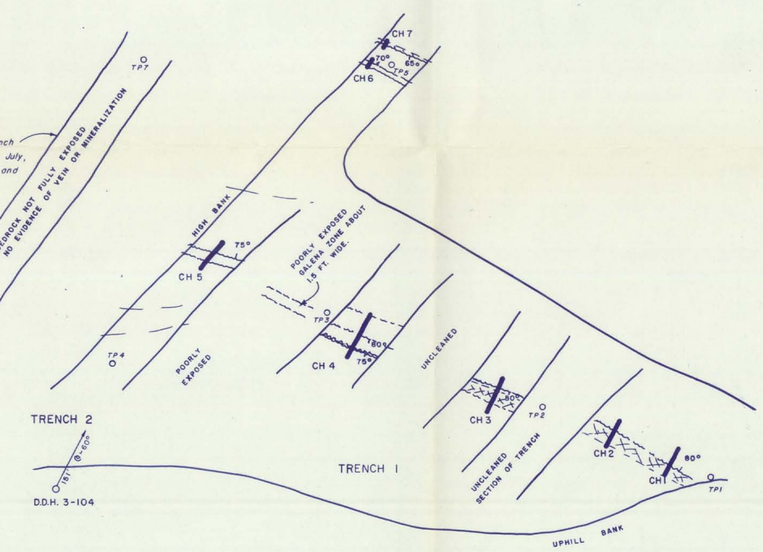
CHANNEL Nº	SAMPLE Nº	Width (ft)	Location and Description	Silver (oz./tn.)	Gold (oz./tn.)	Lead (%)
CH-1	1551	4.0	F.W. (south) weakly silicious gneiss	.7	—	—
	1552	0.2	Vein fault, white gouge	.5	TR	—
	1553	5.0	H.W. - similar to F.W.	.4	—	—
CH-2	1554	5.0	F.W. (south) Bleached, weakly siliceous limonite stained gneiss.	.1	—	—
	1555	0.2	Vein fault, white gouge	.4	TR	—
	1556	3.0	H.W. - similar to F.W.	.1	.1	—
CH-3	1557	2.0	H.W. - fractured limonite stained gneiss	.5	—	—
	1558	3.2	Vein (?) - siliceous, green & yellow staining.	9.7	TR	—
	1559	0.5	Vein fault - white gouge.	1.7	.01	—
	1560	3.0	F.W. - similar to H.W.	.4	—	—
	1561	3.0	H.W. bleached silicified gneiss	.2	—	—
CH-4	1562	2.8	Vein - mostly quartz, yellow-green alteration, trace galena.	2.0	TR	2.1
	1563	5.5	F.W. - silicified gneiss, weak yellow-green alteration.	.2	—	—
CH-5	1564	2.0	F.W. (south) - jointed, weakly limonite stained gneiss	.1	—	—
	1565	2.6	Vein - mainly galena and anglesite	47.6	.1	29.6
	1566	2.0	H.W. - similar to F.W. but more silicified.	.1	—	—
CH-6	1567	1.5	Vein fault - sheared, gougy, silicified gneiss.	.8	TR	—
CH-7	1568	0.5	Vein fault - as above	.1	TR	—
CH-8	1569	2.0	H.W. (south) - highly jointed gneiss.	.1	—	—
	1570	2.0	Vein - white siliceous gouge	.1	TR	—
	1571	2.0	F.W. similar to H.W.	.1	—	—
CH-9	1572	1.1	Vein - brecciated, sheared gneiss.	.1	.01	—
	1573	2.0	F.W. - highly fractured gneiss.	.1	TR	—
CH-10	1574	1.5	Vein ? weak shear zone.	.1	TR	—
CH-11	2026	2.0	H.W. - hard siliceous gneiss	.1	—	—
	2027	2.0	Vein ? - very siliceous, bleached	.6	TR	—
	2028	0.7	Vein - galena and anglesite	10.1	.2	22.9
	2029	2.0	F.W. - weakly siliceous gneiss	.3	—	—
CH-12	2030	2.0	H.W. - bleached siliceous gneiss.	.1	—	—
	2031	2.0	Vein - mainly quartz.	1.7	TR	—
	2032	2.0	F.W. - weakly bleached gneiss, hard.	.5	—	—
CH-13	2033	2.0	H.W. - hard relatively unaltered gneiss.	1.3	—	—
	2034	4.5	Vein - mainly galena and anglesite	60.7	.01	67.8
	2035	2.0	F.W. - similar to H.W.	4.3	—	—
CH-14	2036	7.4	H.W. - brecciated gneiss	.1	—	—
	2037	0.5	Fault - brecciated to sandy	.2	TR	—
CH-15	2038	2.0	F.W. (south) - hard bleached siliceous gneis	.1	—	—
	2039	2.0 ±	Vein ? - mainly quartz, some limonite staining.	.3	.01	—
	2040	2.0	H.W. similar to F.W.	.1	—	—

TR - TRACE
— - NOT ASSAYED



10521947 N
93319.42 E





DIAMOND DRILL HOLE ASSAYS

HOLE No.	SAMPLE No.	FOOTAGE ASSAYED	TRUE WIDTH (ft)	LEAD (%)	SILVER (oz./tn.)	GOLD (oz./tn.)
D.D.H. 3-103 B	HOLE SAMPLED FROM 75' TO 150' AND ALL ASSAYS FOR LEAD AND SILVER LESS THAN 0.1					
D.D.H. 3-104 B	15185 B	115.0 — 120.0	3.3	0.1	0.1	—
	15186 B	120.0 — 124.1	2.7	0.6	0.4	—
	15187 B	124.1 — 127.6	2.3	2.7	3.8	—
	15188 B	127.6 — 130.0	1.6	1.2	1.6	—

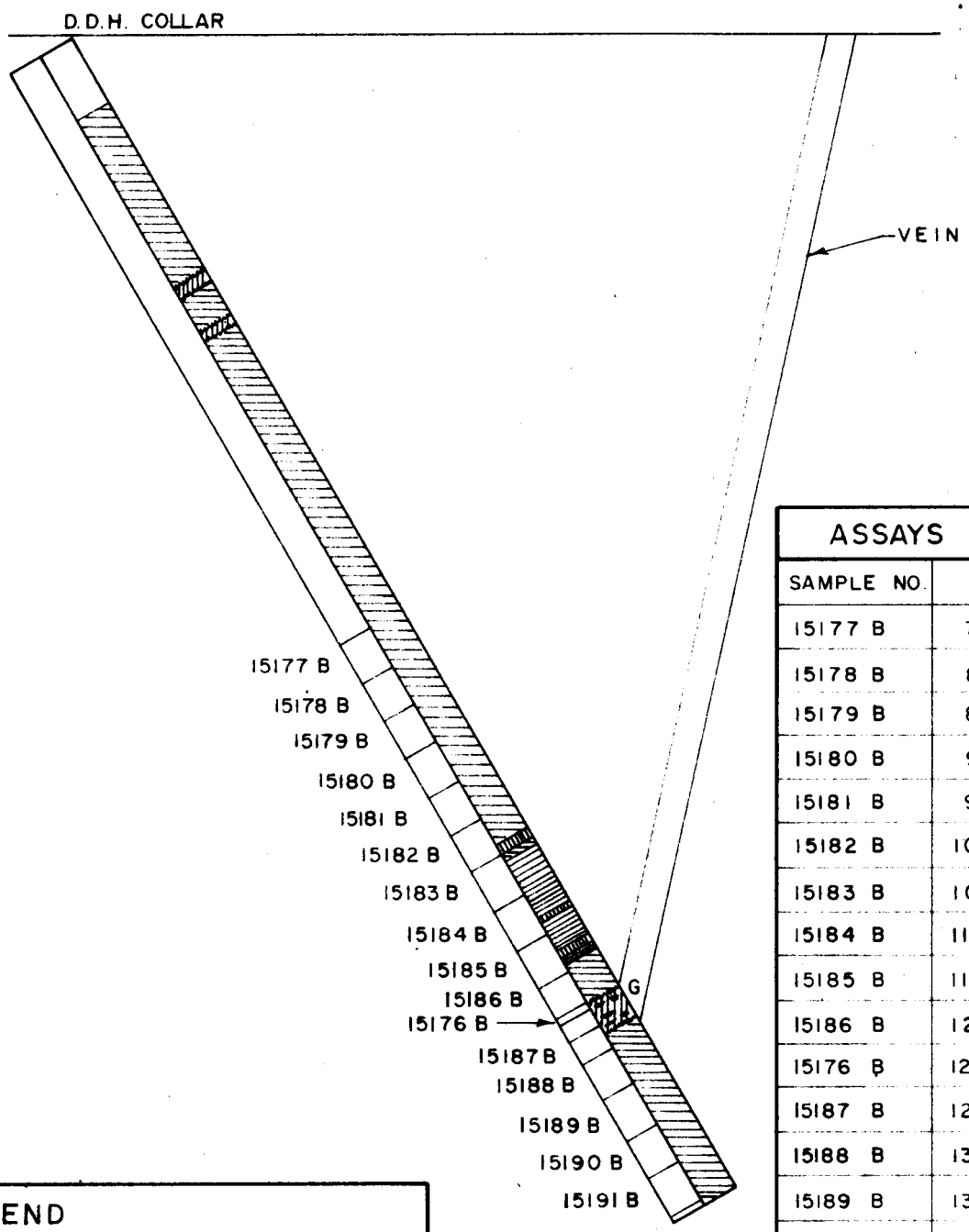
Mapping and Sampling by A. Archer

CONNAUGHT MINES LTD.
SIXTYMILE PROPERTY, YUKON
Nº 3 VEIN

ARCHER, CATHRO & ASSOC. LTD.
Consulting Geological Engineers

DATE	June 1969
DRAWN	M.H.
SCALE	1" = 20'

FIG. 6



ASSAYS

SAMPLE NO.	INTERVAL	Pb %	Ag. g/tn.
15177 B	75 — 80	.03	.10
15178 B	80 — 85	.02	.12
15179 B	85 — 90	.02	.14
15180 B	90 — 95	.02	.14
15181 B	95 - 100	.01	.14
15182 B	100 - 105	.02	.08
15183 B	105 - 110	.02	.04
15184 B	110 - 115	.05	.08
15185 B	115 - 120	.14	.10
15186 B	120 - 125	.69	.40
15176 B	124.1 - 127.1	2.65	3.8
15187 B	125 - 130	1.12	1.6
15188 B	130 - 135	.21	.28
15189 B	135 - 140	.15	.30
15190 B	140 - 145	.10	.12
15191 B	145 - 150	.05	.18

LEGEND

- GNEISS
- BIOTITE SCHIST
- BRECCIA
- GALENA G
- NO RECOVERY
- FAULT ZONE
- CLAY GOUGE
- LIMONITE

CONNAUGHT MINES LTD.

DDH 1-103B, 330°Az, DIP -60°

LOOKING WEST

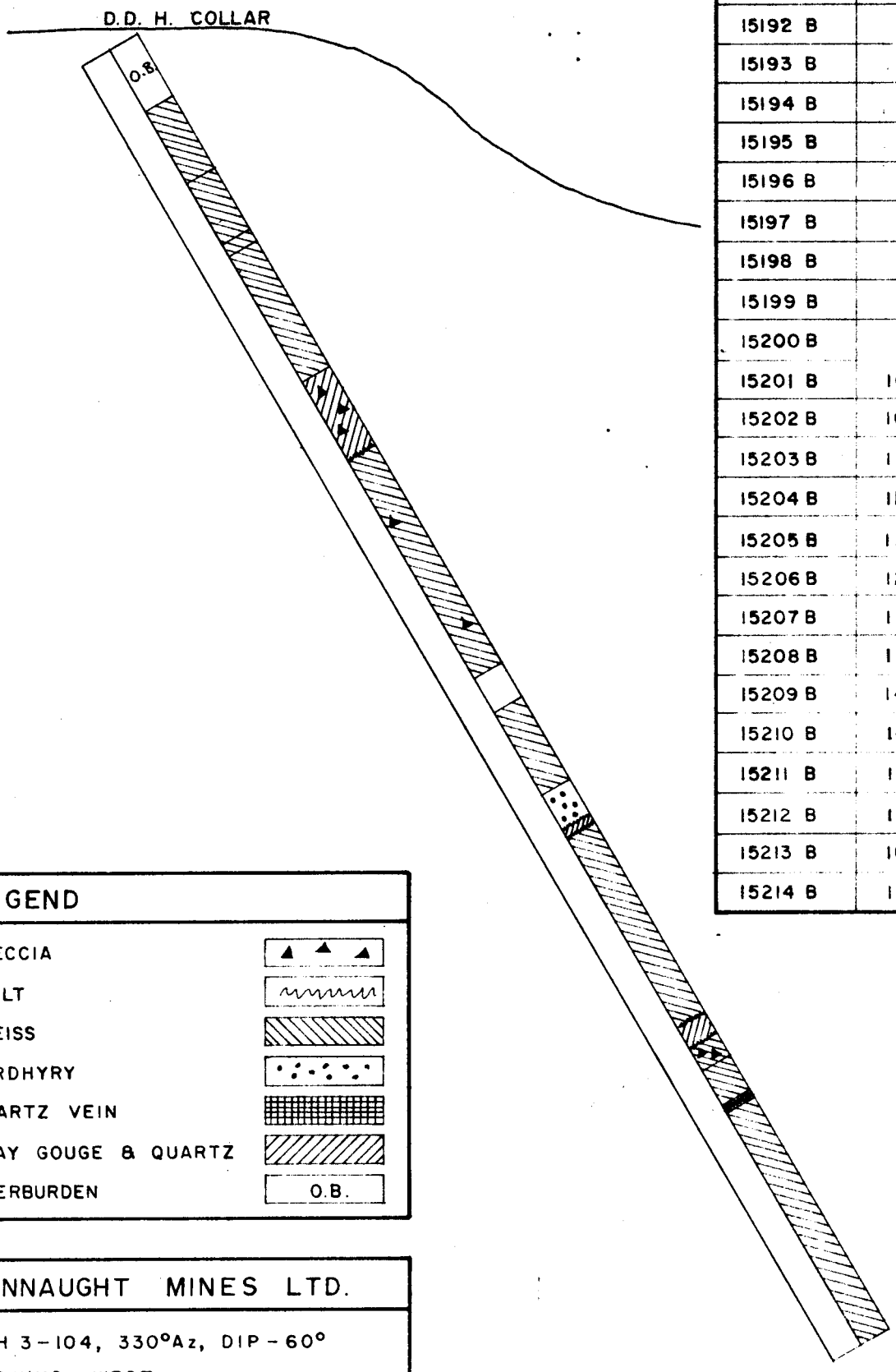
SCALE: 1"= 20'

M. CHOLACH - GEOLOGIST

JUNE 10 1969

DWN. BY: E. H.

FIG. 6A



SLUDGE SAMPLE ASSAYS			
SAMPLE NO.	INTERVAL	Pb	Ag
15192 B	55 - 60	TR	.08
15193 B	60 - 65	TR	.04
15194 B	65 - 70	TR	.10
15195 B	70 - 75	TR	.12
15196 B	75 - 80	TR	.10
15197 B	80 - 85	.02	.04
15198 B	85 - 90	TR	.04
15199 B	90 - 95	.01	.08
15200 B	95 - 100	TR	.08
15201 B	100 - 105	TR	.06
15202 B	105 - 110	.04	.12
15203 B	110 - 115	TR	.14
15204 B	115 - 120	.01	.14
15205 B	120 - 125	TR	.10
15206 B	125 - 130	TR	.06
15207 B	130 - 135	TR	.08
15208 B	135 - 140	TR	.10
15209 B	140 - 145	.01	.10
15210 B	145 - 150	.01	.06
15211 B	150 - 155	TR	.10
15212 B	155 - 160	TR	.10
15213 B	160 - 165	.01	.12
15214 B	170 - 175	.02	.10

LEGEND

- BRECCIA
- FAULT
- GNEISS
- PORDHYRY
- QUARTZ VEIN
- CLAY GOUGE & QUARTZ
- OVERBURDEN — O.B.

CONNAUGHT MINES LTD.

DDH 3-104, 330°Az, DIP - 60°

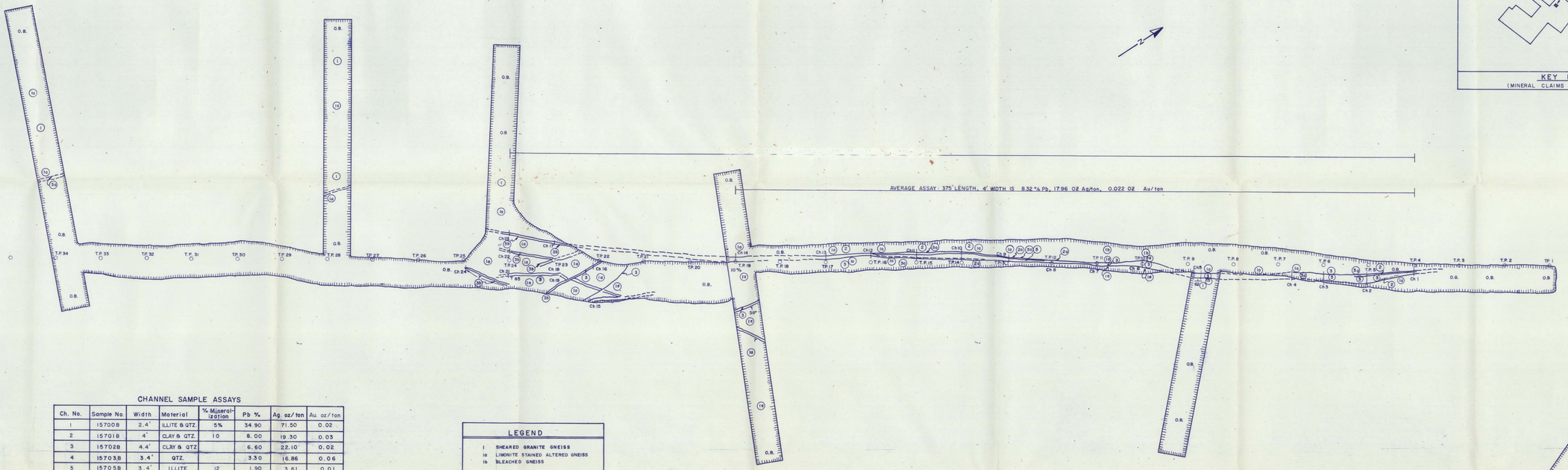
LOOKING WEST

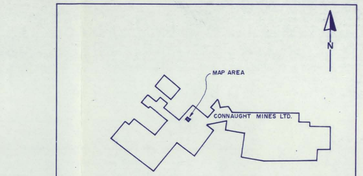
SCALE: 1" = 20'

M. CHOLACH - GEOLOGIST

JUNE 12 1969

DWN. BY: E.H. FIG. 6B





KEY MAP
(MINERAL CLAIMS SHEET 115 – N – 15)

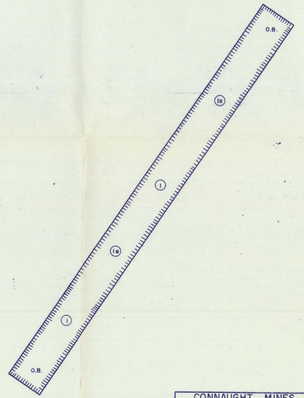
CHANNEL SAMPLE ASSAYS

Ch. No.	Sample No.	Width	Material	% Mineralization	Pb %	Ag oz/ton	Au oz/ton
1	157008	2.4'	ILLITE & QTZ.	5%	34.90	71.50	0.02
2	157018	4'	CLAY & QTZ.	10	8.00	19.30	0.03
3	157028	4.4'	CLAY & QTZ		6.60	22.10	0.02
4	157038	3.4'	QTZ.		3.30	16.86	0.06
5	157058	3.4'	ILLITE	12	1.90	3.61	0.01
6	157088	2.4'	CLAY & QTZ.		0.42	1.04	TR.
7	157118	1.4'	GREEN CLAY		1.60	10.90	0.05
8	157148	1.2'	CLAY	50	1.15	10.30	0.04
9	157178	2.1'	ILLITE	16	4.00	16.98	0.08
10	157188	4.7'	QTZ., GREEN CLAY	5	3.30	6.82	0.02
11	157198	3.6'	ILLITE & QTZ	25	30.00	52.50	0.03
12	157208	2.1'	GREEN QTZ.	45	22.40	54.40	0.01
13	157218	2.6'	GREEN QTZ	40	20.40	27.50	0.01
14	157228	3.8'	ILLITE & QTZ	10	25.80	40.00	0.03
15	157238	3.2'	CLAY & QTZ		1.70	2.06	0.04
16	157248	1.3'	ILLITE		4.00	3.73	0.01
17	157258	1.1'	BLUE CLAY		5.90	27.10	0.04
18	157268	2.5'	BLUE CLAY	15	12.60	13.50	0.04
19	157278	2.2'	ILLITE &QTZ	20	0.44	2.94	0.06
20	157288	1.1'	BLUE CLAY	10	5.60	8.02	0.08
21	157298	1.8'	BLUE CLAY	10	0.67	8.27	0.05
22	157308	2'	BLUE CLAY		19.90	36.90	0.02
23	157318	1.3'	BLUE CLAY	15	21.40	32.10	0.04
24	157328	1.1'	BLUE CLAY		7.40	9.73	0.05

LEGEND

- 1 SHEARED GRANITE GNEISS
- 1a LIMONITE STAINED ALTERED GNEISS
- 1b BLEACHED GNEISS
- 2 GALENA ANGLESITE
- 2a ARSENOPYRITE WITH SOME GALENA AND ANGLESITE
- 3 ILLITE
- 3a GREENISH CLAY & QUARTZ
- 3b BLUISH CLAY
- 5 QUARTZ
- O.B. OVERBURDEN
- VEIN
- VEIN INFERRED
- TRENCH

TRENCHING – TOTAL VOLUME OF MATERIAL MOVED BY BULLDOZER = 4167 yds.



MAPPING & CHANNEL SAMPLING BY M. CHOLACH.

CONNAUGHT MINES LIMITED
SIXTYMILE RIVER AREA, YUKON

TITLE:-
No. 4 VEIN, CEL No. 3 CLAIM

DATE	DEC/1969
DRAWN	D. CONLON
SCALE	1"=20'-0"

FIG. 7

REX – LUBRA GROUP

ELA – KIT GROUP

CON CLAIMS

TIE LINE

BEN 3

CAMP

No.8 VEIN
SEE FIG 6

No.7 VEIN

No.6 VEIN

No.5 VEIN

No.4 VEIN

No.3 VEIN

No.2 VEIN

No.1 VEIN
SEE FIGS 4&5

ROAD

TRENCH No. 1 … TRENCH No. 30

SEE FIG 7

SEE FIG'S 8A-Cu, 8B Mo.

Nitric Acid Digestion Determined By Atomic Absorption
Soil Sample Analyses By Chemex Labs. Ltd., North Vancouver.

KEY MAP
(MINERAL CLAIMS SHEET 115-N-15)

MAP AREA

TRENCHING

TRENCH No.	DIMENSIONS (FEET)	VOLUME-Yds³	TRENCH No.	DIMENSIONS (FEET)	VOLUME-Yds³
1	128' X 15' X 3.5'	248	19	115' X 15' X 5.3'	332
2	150' X 15' X 6'	433	20	173' X 15' X 6'	576
3	163'X 15' X 5'	452	21	116' X 15' X 7'	450
4	107' X 15' X 4'	237	22	200' X 15' X 4.5	500
5	115' X 15'X 3'	191	23	148' X 20' X 4.5'	493
6	100' X 15' X 8'	444	24	160' X 15' X 6'	533
7	272' X 15' X 2.5'	377	25	172' X 15' X 8'	764
8	330' X 20' X 6.7'	1637	26	140' X 15' X 2.5'	194
9	126' X 15' X 4'	280	27	138' X 15' X 3'	230
10	186' X 15' X 14'	1446	28	115' X 15' X 5'	319
11	200' X 15' X 4.4'	488	29	114' X 15' X 6'	380
12	190' X 15' X 53'	559	30	115' 20' 3'	255
13	243' X 15' X 5.8'	783		TOTAL	14,352
14	119' X 15' X 6'	396			
15	125' X 15' X 5.2'	361			
16	152' X 15' X 4.5'	380			
17	110' X 15' X 4.6'	281			
18	100' X 15' X 6'	333			

CHANNEL SAMPLE ASSAYS

SAMPLE No.	WIDTH	MATERIAL	% MINERALIZATION	Pb %	Ag oz/ton	Au oz / ton
152698	0.3'	ARGILLITE	95%	60.3	59.1	.01
152699	0.7'	QUARTZ & ALTERED SMEIS	30%	28.9	22.98	.06
152916	1.8'	QUARTZ & ILLITE	30%	33.7	48.0	.04

LEGEND

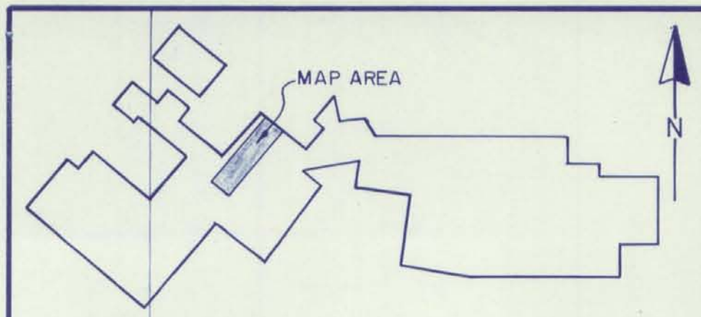
- CLAIM POSTS
- TRENCH
- LOCATION VEIN - AS DEFINED BY TRENCHING.
- HILL SLOPE FROM RIDGE.
- APPROXIMATE CLAIM BOUNDARIES AS DETERMINED BY FIELD LOCATION OF POSTS

LEAD
- 100 - 200 P.P.M.
- 200 - 800 P.P.M.
- 800 + P.P.M.

CONNAUGHT MINES LTD.
SOIL SAMPLING-Pb
SIXTY MILE PROPERTY, YUKON
ARCHER, CATHRO & ASSOC. LTD.
Consulting Geological Engineers

DATE	July 1969
DRAWN	M.H.
SCALE	1"= 400'

FIG. 8 (GRID 1)



KEY MAP

(MINERAL CLAIMS SHEET 115-N-15)

ELA - KIT GROUP

104S—

108S—

112S—

116S—

120 S

124S—

128S—

132S—

134S—

BASELINE "E"

TIELINE

OPEN GROUND

COPPER (GRID 1)

LEGEND

APPROXIMATE CLAIM BOUNDARIES AS DETERMINED BY FIELD LOCATION OF POSTS.

50—100 P.P.M. Cu

100 P.P.M. + Cu

Soil Sample Analyses by Chemex Labs Ltd., North Vancouver. Nitric Acid Digestion Determined by Atomic Absorption

CONNAUGHT MINES LTD.

SOIL SAMPLING

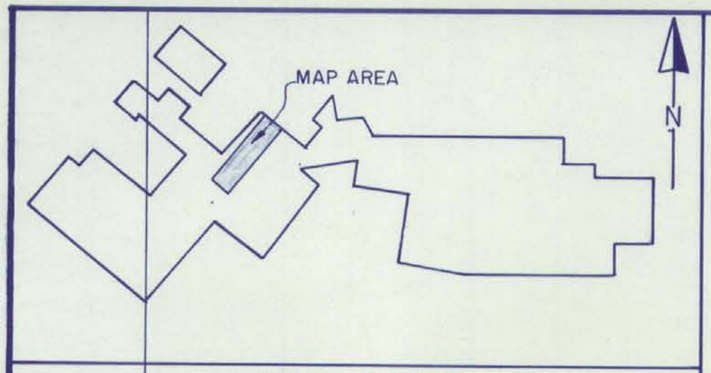
SIXTY MILE PROPERTY, YUKON

ARCHER, CATHRO & ASSOC. LTD.

Consulting Geological Engineers

DATE	Sept. 1969
DRAWN	G.W.
SCALE	1"=400'

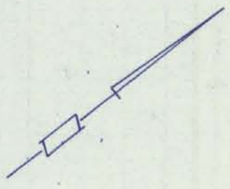
FIG. 8A



KEY MAP

(MINERAL CLAIMS SHEET 115-N-15)

ELA - KIT GROUP



104S—

108S—

112S—

116S—

BASELINE "E" 120S

124S—

128S—

132S—

134S—

TIELINE

2 6 10 14 18 22 26 30 34 38 42 46 50 54 58

OPEN GROUND

LEGEND

APPROXIMATE CLAIM BOUNDARIES AS DETERMINED BY FIELD LOCATION OF POSTS.

o2 TWO P.P.M. Mo

Soil Sample Analyses by Chemex Labs Ltd., North Vancouver. Nitric Acid Perchloric Acid Digestion, Determined By Atomic Absorpsion

MOLYBDENUM (GRID 1)

CONNAUGHT MINES LTD.

SOIL SAMPLING

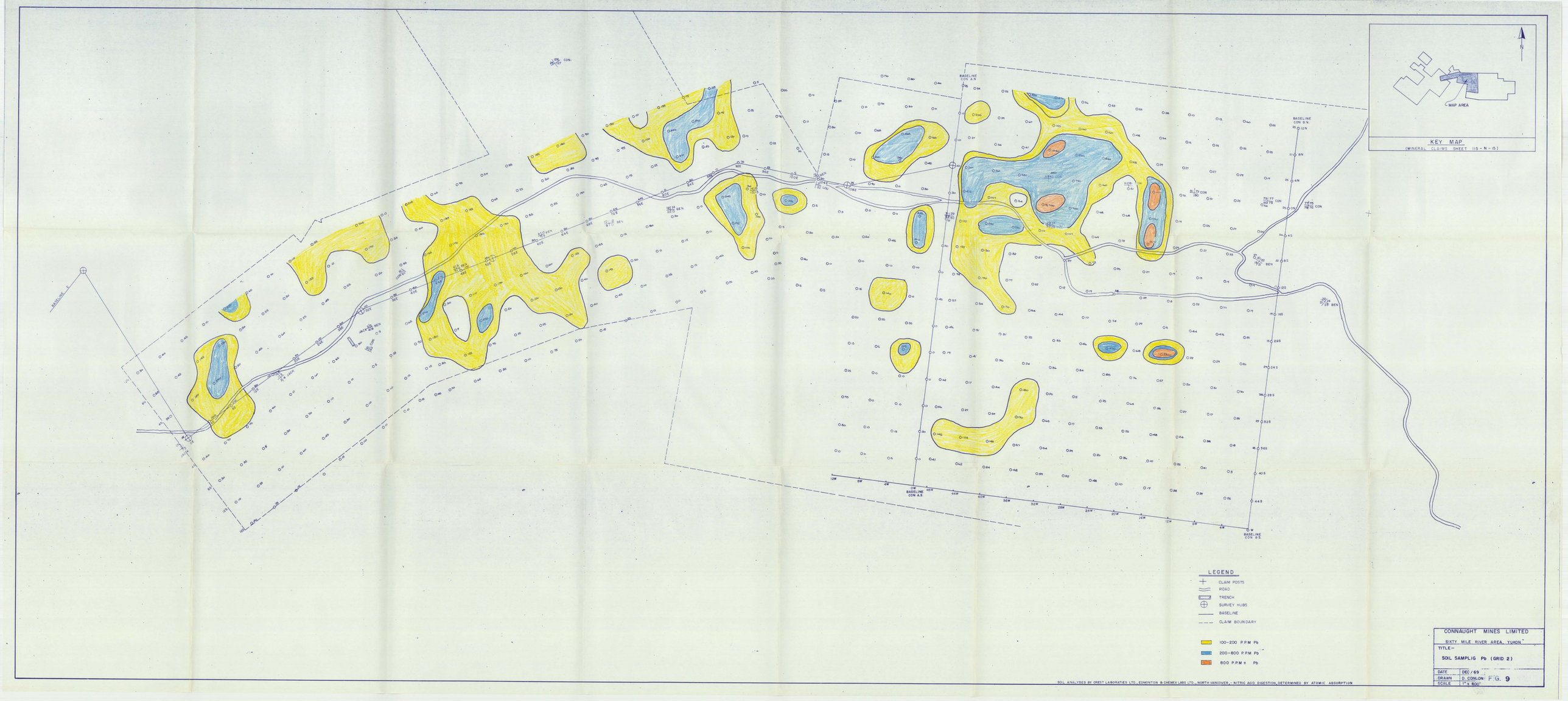
SIXTY MILE PROPERTY, YUKON

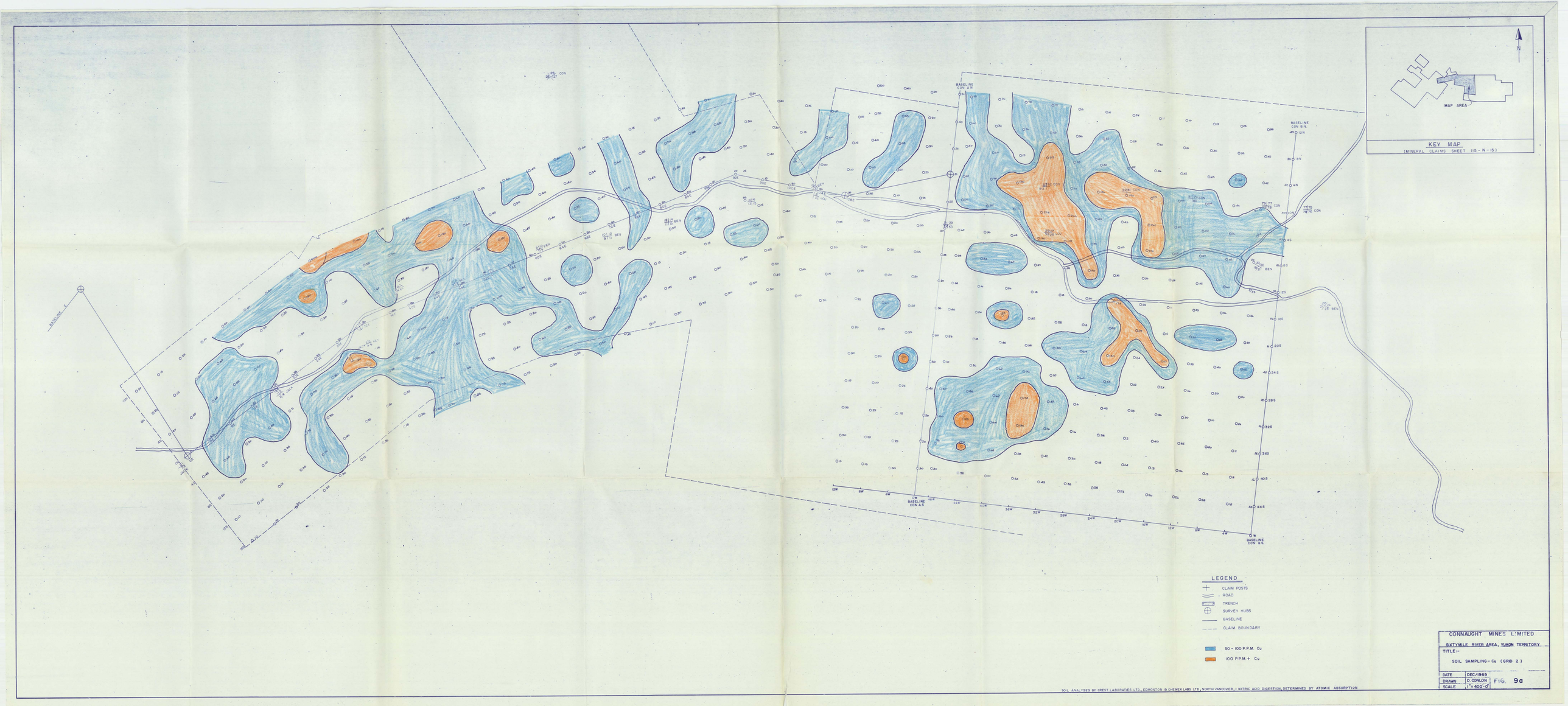
ARCHER, CATHRO & ASSOC. LTD.

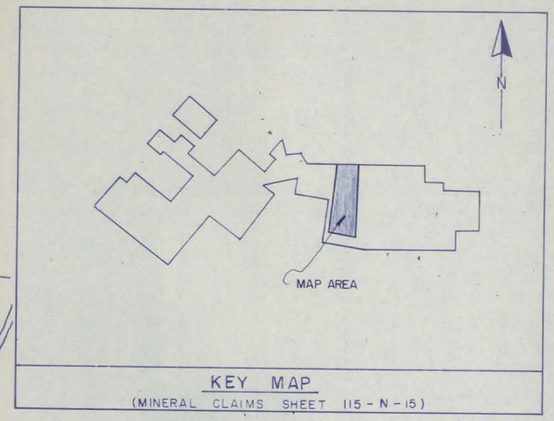
Consulting Geological Engineers

DATE	Sept. 1969
DRAWN	G.W.
SCALE	1"= 400'

FIG. 8B


KEY MAP
(MINERAL CLAIMS SHEET 115-N-15)
MAP AREA
N
BASELINE CON A.N
BASELINE CON B.N.
BASELINE CON A.S.
BASELINE CON B.S.
LEGEND
CLAIM POSTS
ROAD
TRENCH
SURVEY HUBS
BASELINE
CLAIM BOUNDARY
100-200 P.P.M Pb
200-800 P.P.M Pb
800 P.P.M + Pb
SOIL ANALYSES BY CREST LABORATIES LTD., EDMONTON & CHEMEX LABS LTD., NORTH VANCOUVER, - NITRIC ACID DIGESTION, DETERMINED BY ATOMIC ABSORPTION
CONNAUGHT MINES LIMITED
SIXTY MILE RIVER AREA, YUKON
TITLE-
SOIL SAMPLIG Pb (GRID 2)
DATE DEC/69
DRAWN D. CONLON
SCALE 1" = 400'
FG. 9


KEY MAP
(MINERAL CLAIMS SHEET 115 - N - 15)
MAP AREA
N
LEGEND
CLAIM POSTS
ROAD
TRENCH
SURVEY HUBS
BASELINE
CLAIM BOUNDARY
50 - 100 P.P.M. Cu
100 P.P.M.+ Cu
BASELINE CON A N
BASELINE CON B N
BASELINE CON A S
BASELINE CON B S
CONNAUGHT MINES LIMITED
SIXTYMILE RIVER AREA, YUKON TERRITORY
TITLE:-
SOIL SAMPLING - Cu (GRID 2)
DATE DEC/1969
DRAWN D CONLON
SCALE 1" = 400'-0"
FIG. 9a
SOIL ANALYSES BY CREST LABORATIES LTD., EDMONTON & CHEMEX LABS LTD., NORTH VANCOUVER, - NITRIC ACID DIGESTION, DETERMINED BY ATOMIC ABSORPTION



KEY MAP
(MINERAL CLAIMS SHEET 115 - N - 15)

BASELINE CON A.N.

BASELINE CON B.N.

12N
8N
4N
ON
2 4S
8S
12S
16S
20S
24S
28S
32S
36S
40S
44S

83/82 CON
82/81 CON
81/79/80 CON
79/77/80/78 CON
77/75/78/76 CON
31/29/32/30
29/27/30/28 LOU
20/22/19/21 BEN
22/24/21/23 BEN

40

0W BASELINE CON A.S.
48W 44W 40W 36W 32W 28W 24W 20W 16W 12W 8W 4W
W BASELINE CON B.S.

LEGEND

- CLAIM POSTS
- ROAD
- TRENCH
- SURVEY HUBS
- BASELINE
- CLAIM BOUNDARY
- 10 - 20 P.P.M. Mo
- 20 P.P.M + Mo

SOIL ANALYSES BY CREST LABORATIES LTD., EDMONTON & CHEMEX LABS LTD, NORTH VANCOVER, - NITRIC ACID DIGESTION, DETERMINED BY ATOMIC ABSORPTION

CONNAUGHT MINES LIMITED

SIXTY MILE RIVER AREA, YUKON TERRITORY

TITLE:-

SOIL SAMPLING - Mo (GRID 2)

DATE	DEC/1969
DRAWN	D. CONLON
SCALE	1" = 400'-0"

FIG. 9b

YUKON TERRITORY — ALASKA

GOLD HILL
4515

Sixtymile Road

Little Gold Creek

Glacier Creek

Miller Creek

Bedrock Creek

Big Gold Creek

Hungry Gulch

Fivemile Creek

Twelvemile Creek

SIXTYMILE RIVER

STAKED

CONNAUGHT MINES

TOBE MINES

Boucher Creek

Bourdelais Gulch

Butler Gulch

Huot Gulch

Granite Gulch

Nelson Gulch

Fiftymile Creek

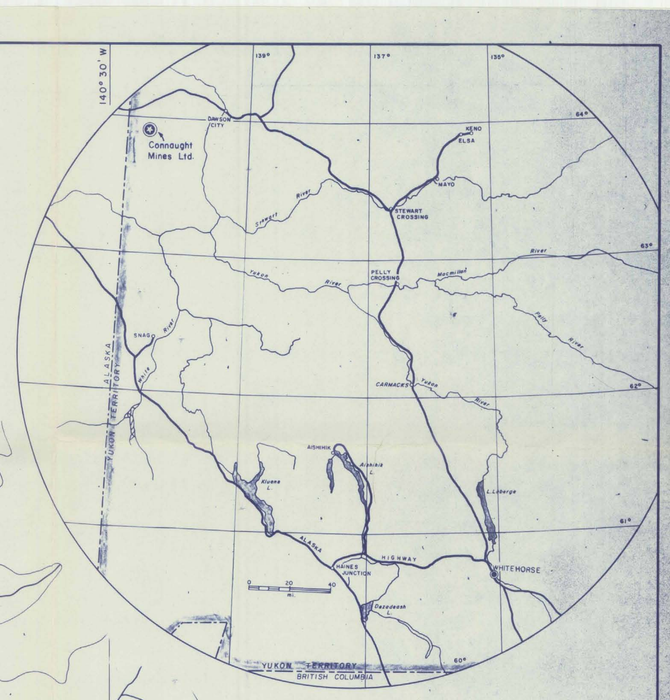
64°00' N

140°30' W

CLAIM BOUNDARIES AS OF JULY 1, 1969

North Fork

Ladue River



LEAD

- ·29 – ASSAYS IN PARTS PER MILLION
- 50 – 100 PPM.
- 100 + PPM.

0 2000 4000 6000 8000 Ft.

STREAM SEDIMENT ANALYSES BY CHEMEX LABS. NORTH VANCOUVER, B.C. – NITRIC ACID DIGESTION, DETERMINED BY ATOMIC ABSORPTION.

CONNAUGHT MINES LTD.
RECONNAISSANCE STREAM SEDIMENT SAMPLING
SIXTY MILE AREA, YUKON

ARCHER, CATHRO & ASSOC. LTD.
Consulting Geological Engineers

DATE	July 1969
DRAWN	M.H.
SCALE	1" = 1/2 mi.

FIG. 10

ALASKA

YUKON TERRITORY

GOLD HILL
△ 4515

Sixtymile Road

Hungry Gulch

Little Gold Creek

Big Gold Creek

Glacier Creek

Miller Creek

Bedrock Creek

Fraction Creek

Twelvemile Creek

RIVER

SIXTYMILE

STAKED

CONNAUGHT MINES

TOBE MINES

Boucher Creek

Bourdelais Gulch

Butler Gulch

Huot Gulch

Granite Gulch

Nelson Gulch

Fiftymile Creek

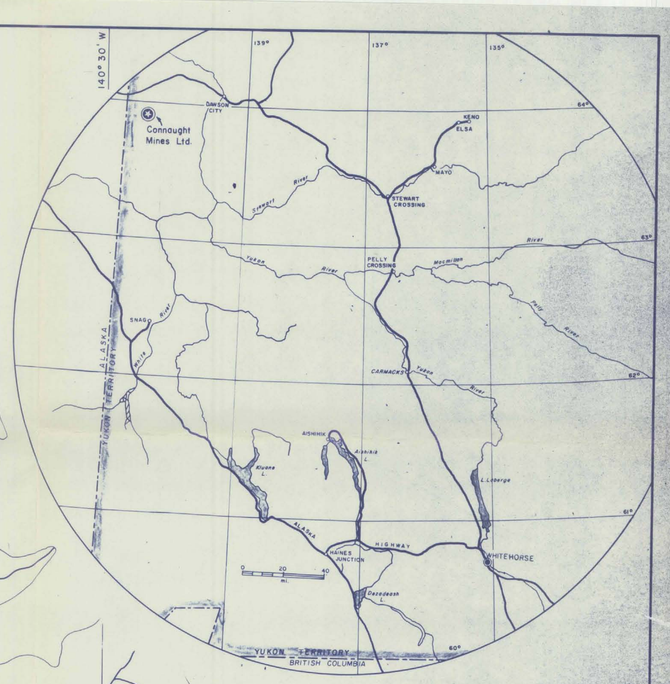
64°00' N

140° 30' W

CLAIM BOUNDARIES AS OF JULY 1, 1969

North Fork

Ladue River



STREAM SEDIMENT ANALYSES BY CHEMEX LABS. NORTH VANCOUVER, B.C. — NITRIC ACID DIGESTION, DETERMINED BY ATOMIC ABSORPTION.

COPPER

$_{20}$ — ASSAYS IN PARTS PER MILLION

- 50 - 100 PPM.
- 100 + PPM.

0 2000 4000 6000 8000 Ft.

CONNAUGHT MINES LTD.

RECONNAISSANCE STREAM SEDIMENT SAMPLING
SIXTY MILE AREA, YUKON

ARCHER, CATHRO & ASSOC. LTD.
Consulting Geological Engineers

DATE	July 1969
DRAWN	M.H.
SCALE	1" = 1/2 m.

FIG. 10 A

GOLD HILL
4515

Sixtymile Road

Hungry Gulch

Big Gold Creek

Little Gold Creek

Glacier Creek

Fivemile Creek

Twelvemile Creek

RIVER

SIXTYMILE

Miller Creek

STAKED

STAKED

STAKED

64° 00' N

Bedrock Creek

RIVER

SIXTYMILE

CONNAUGHT MINES

CONNAUGHT MINES

CONNAUGHT MINES

TOBE MINES

Boucher Creek

Bourdelais Gulch

Boucher Creek

Buller Gulch

Nelson Gulch

Hunker Gulch

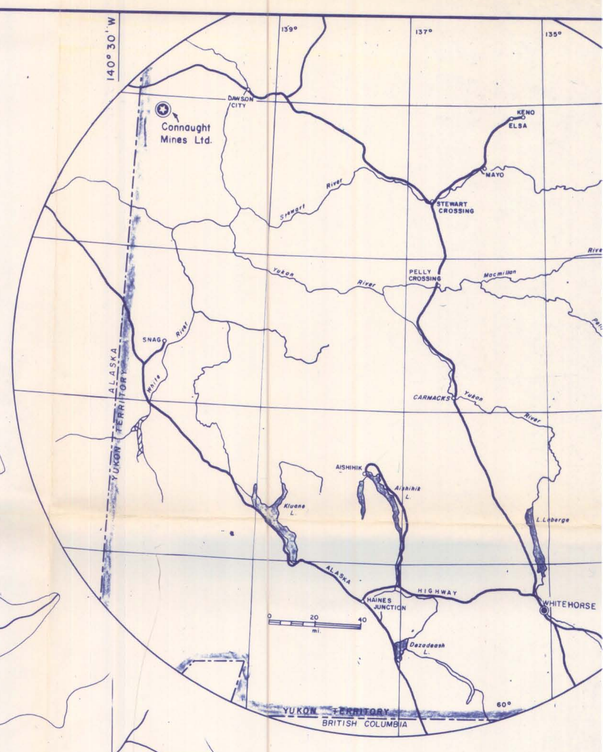
Granite Gulch

CLAIM BOUNDARIES AS OF JULY 1, 1969

Fiftymile Creek

Ladue River

140° 30' W



MOLYBDENUM

$^{o}_{2}$ – ASSAYS IN PARTS PER MIL

5 – 20 P.P.M.

20 + P.P.M.

0 2000 4000 6000

STREAM SEDIMENT ANALYSES BY CHEMEX LABS. NORTH VANCOUVER, B.C. – NITRIC ACID AND PERCHLORIC ACID DIGESTION, DETERMINED BY ATOMIC ABSORPTION.

061130

CONNAUGHT MINES

RECONNAISSANCE STREAM SEDIME
SIXTY MILE AREA, YU

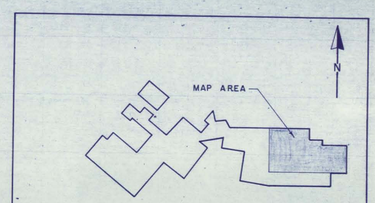
ARCHER, CATHRO & AS
Consulting Geological Engine

DATE	July 1969
DRAWN	M.H.
SCALE	1" = ½ mi.

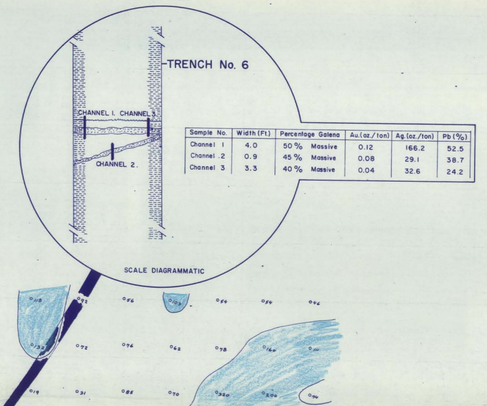
FIG.

TRENCHING

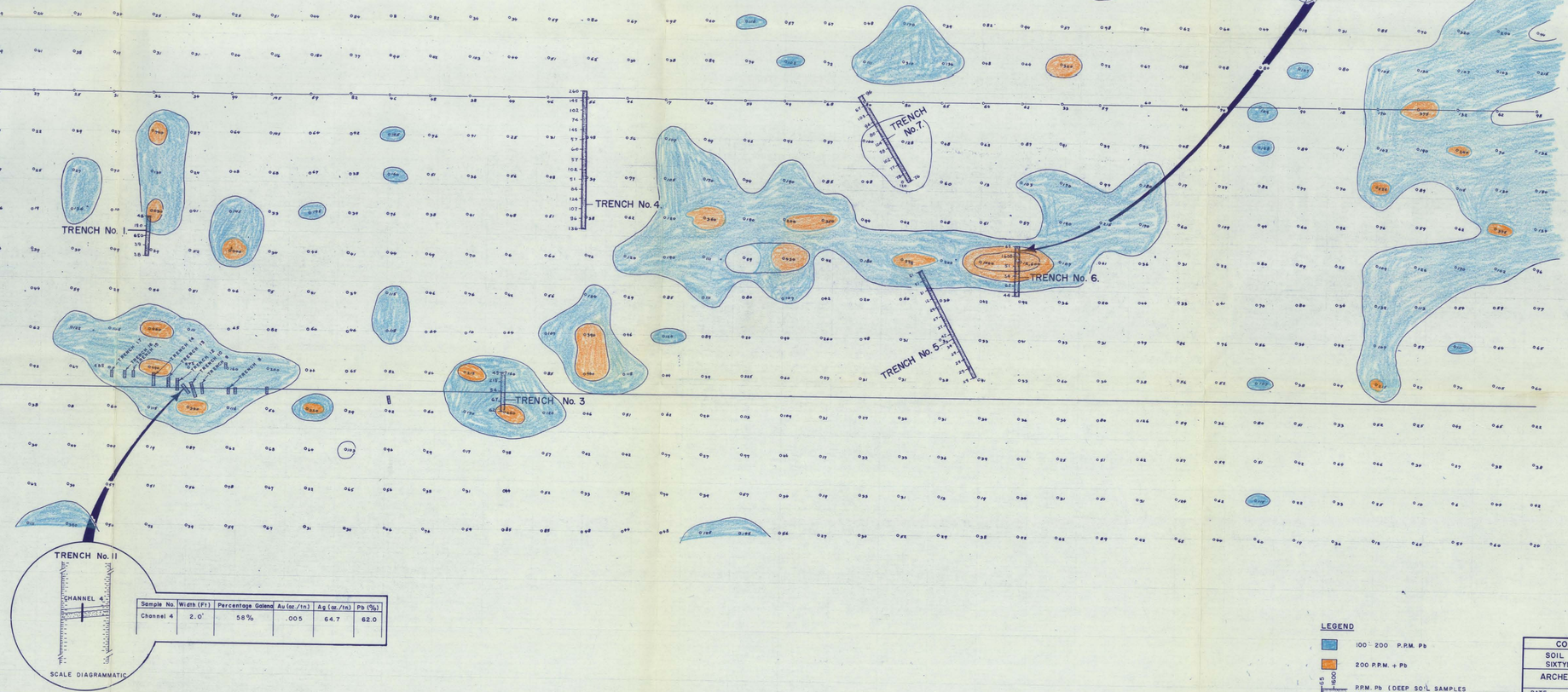
TRENCH No.	DIMENSIONS	VOLUME-Yds³	TRENCH No.	DIMENSIONS	VOLUME-Yds³
1	381' X 15' X 2'	423	10	96' X 15' X 5'	266
2	800' X 15' X 2'	888	11	70' X 15' X 4'	155
3	500' X 15' X 2'	555	12	100' X 15' X 4'	222
4	1400' X 15' X 1.2'	932	13	90' X 15' X 6'	300
5	1300' X 15' X 1.3'	938	14	161' X 15' X 4'	357
6	570' X 15' X 4'	1266	15	91' X 15' X 2'	101
7	1000' X 15' X 2'	1111	16	60' X 15' X 2'	66
8	66' X 15' X 7'	256	17	51' X 15' X 2'	56
9	144' X 15' X 4'	320		TOTAL =	8212



KEY MAP
(MINERAL CLAIMS SHEET 115 - N - 15)



Sample No.	Width (Ft)	Percentage Galena	Au (oz./ton)	Ag (oz./ton)	Pb (%)
Channel 1	4.0	50 % Massive	0.12	166.2	52.5
Channel 2	0.9	45 % Massive	0.08	29.1	38.7
Channel 3	3.3	40 % Massive	0.04	32.6	24.2



Sample No.	Width (Ft)	Percentage Galena	Au (oz./tn)	Ag (oz./tn)	Pb (%)
Channel 4	2.0'	58%	.005	64.7	62.0

LEGEND

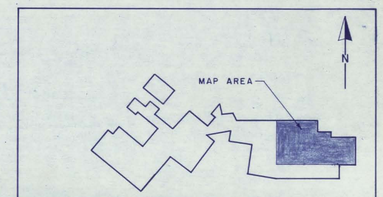
- 100 - 200 P.P.M. Pb
- 200 P.P.M. + Pb
- P.P.M. Pb (DEEP SOIL SAMPLES TAKEN FROM TRENCHES)

SOIL SAMPLE ANALYSES BY CHEMEX LABS LTD. NORTH VANCOUVER – NITRIC ACID DIGESTION, DETERMINED BY ATOMIC ABSORPTION.

CONNAUGHT MINES LTD.
SOIL SAMPLING – Pb (Grid 3)
SIXTYMILE RIVER AREA, YUKON
ARCHER, CATHRO & ASSOC. LTD.
Consulting Geological Engineers

DATE	DEC. 1969
DRAWN	E. Harymann
SCALE	1" = 500'

FIG. II.



KEY MAP
(MINERAL CLAIMS SHEET 115-N-15)

TRENCH No. 1

TRENCH No. 2

TRENCH No. 3

TRENCH No. 4

TRENCH No. 5

TRENCH No. 6

TRENCH No. 7

Baseline "B"

Baseline "A"

LEGEND

50 - 100 PPM. Cu.

100 PPM. + Cu.

P.P.M. Cu (DEEP SOIL SAMPLES TAKEN FROM TRENCHES)

SOIL SAMPLE ANALYSES BY CHEMEX LABS LTD NORTH VANCOUVER - NITRIC ACID DIGESTION, DETERMINED BY ATOMIC ABSORPTION.

CONNAUGHT MINES LTD.		
SOIL SAMPLING - Cu (Grid 3)		
SIXTYMILE RIVER AREA, YUKON		
ARCHER, CATHRO & ASSOC. LTD.		
Consulting Geological Engineers		
DATE	Aug. 1969	FIG. II A.
DRAWN	M.H.	
SCALE	1" = 500'	

88W 84W 80W 76W 72W 68W 64W 60W 56W 52W 48W 44W 40W 36W 32W 28W 24W 20W 16W 12W 8W 4W 0 4E 8E 12E 16E 20E 24E 28E 32E 36E 40E 44E 48E 52E 56E 60E 64E 68E 72E 76E 80E 84E 88E

60 N
56 N
52 N
48 N
44 N
40 N
36 N
32 N
28 N
24 N
20 N
16 N
12 N
8 N
4 N
0 Baseline "B"
4S
8S
12S
16S
20S
24S
28S Baseline "A"
32S
36S
40S
44S

TRENCH No. 1
TRENCH No.2
TRENCH No. 3
TRENCH No. 4
TRENCH No. 5
TRENCH No.6
TRENCH No. 7

KEY MAP
(MINERAL CLAIMS SHEET 115-N-15)
MAP AREA
N

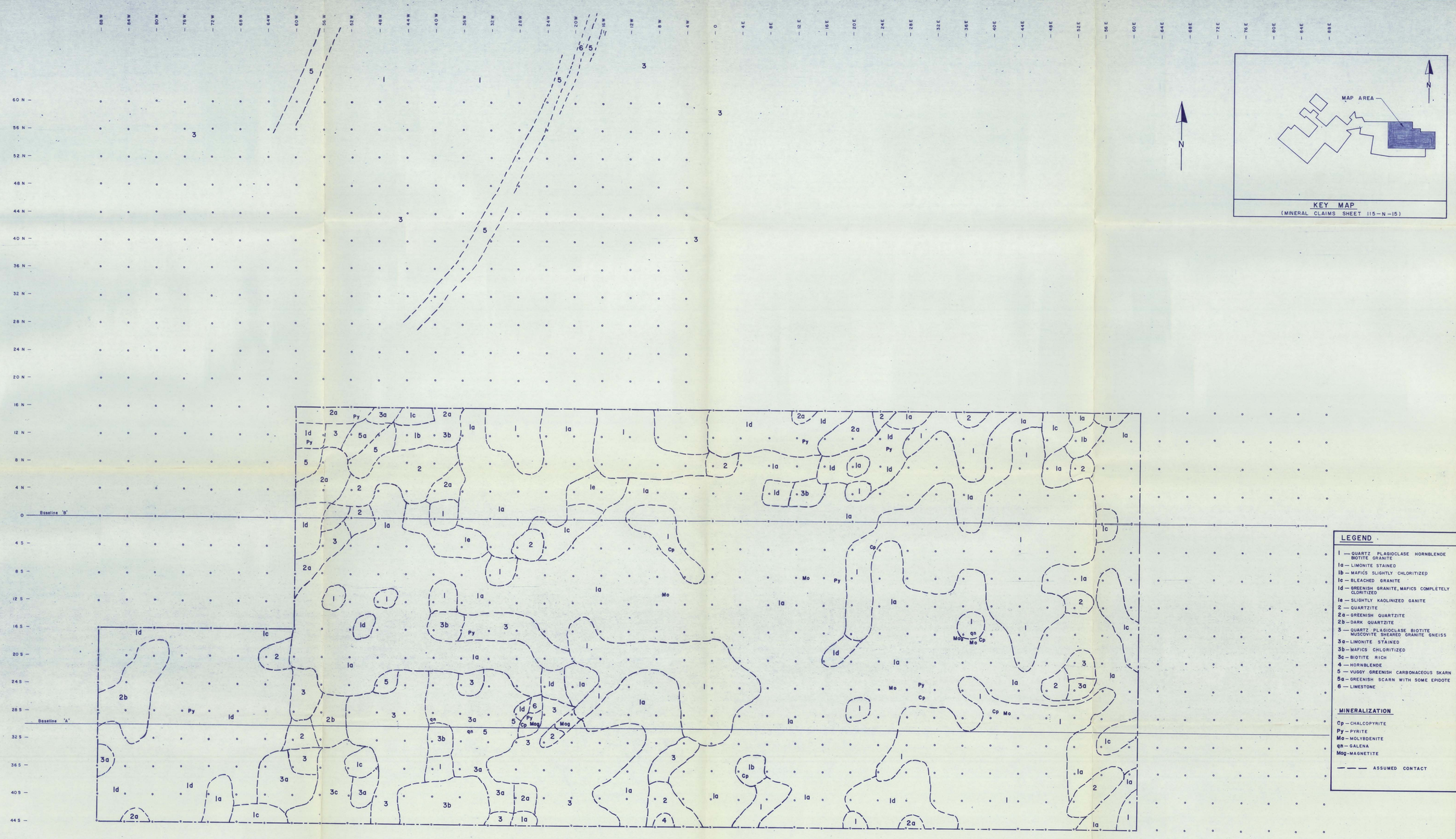
LEGEND
10 - 20 P.P.M. Mo
20 P.P.M. + Mo
P.P.M. Mo (DEEP SOIL SAMPLES TAKEN FROM TRENCHES)

SOIL SAMPLE ANALYSES BY CHEMEX LABS LTD. NORTH VANCOUVER — NITRIC ACID AND PERCHLORIC ACID DIGESTION, DETERMINED BY ATOMIC ABSORPTION

CONNAUGHT MINES LTD.
SOIL SAMPLING - Mo (Grid 3)
SIXTYMILE RIVER AREA, YUKON
ARCHER, CATHRO & ASSOC. LTD.
Consulting Geological Engineers

DATE	Aug. 1969
DRAWN	M.H.
SCALE	1"= 500'

FIG. II B.



KEY MAP
(MINERAL CLAIMS SHEET 115-N-15)

N

LEGEND

1 — QUARTZ PLAGIOCLASE HORNBLENDE BIOTITE GRANITE
1a — LIMONITE STAINED
1b — MAFICS SLIGHTLY CHLORITIZED
1c — BLEACHED GRANITE
1d — GREENISH GRANITE, MAFICS COMPLETELY CLORITIZED
1e — SLIGHTLY KAOLINIZED GANITE
2 — QUARTZITE
2a — GREENISH QUARTZITE
2b — DARK QUARTZITE
3 — QUARTZ PLAGIOCLASE BIOTITE MUSCOVITE SHEARED GRANITE GNEISS
3a — LIMONITE STAINED
3b — MAFICS CHLORITIZED
3c — BIOTITE RICH
4 — HORNBLENDE
5 — VUGGY GREENISH CARBONACEOUS SKARN
5a — GREENISH SCARN WITH SOME EPIDOTE
6 — LIMESTONE

MINERALIZATION

Cp — CHALCOPYRITE
Py — PYRITE
Mo — MOLYBDENITE
qn — GALENA
Mag — MAGNETITE

——— ASSUMED CONTACT

MAPPING BY M. CHOLACH

CONNAUGHT MINES LTD.
SIXTYMILE RIVER AREA, YUKON

GEOLOGY MAP (GRID 3)

DATE	DEC. 1969
DRAWN	E. Harymann
SCALE	1" = 500'

FIG. II C.

64° 00'

140° 30'

LEGEND

ALL KNOWN GALENA OCCURRENCES ■

ROAD

PROPOSED ALTERNATE ROAD

RECONNAISSANCE GEOCHEMICAL TRAVERSE

P.P.M. Cu, Pb, Mo — e.g. 50, 35, 10

TRENCH — e.g. TRENCH 2

TRENCHING

TRENCH No.	DIMENSIONS (FEET)	YARDS
1 (CON 118)	214 x 15 x 3.5	416
2 (CON 102)	157 x 17 x 4	395
	TOTAL =	811 yds.

RECONNAISSANCE GEOLOGIC MAPPING

1 QUARTZ PLAGIOCLASE HORNBLENDE GRANITE

3 QUARTZ PLAGIOCLASE BIOTITE MUSCOVITE GRANITE GNEISS

3a LIMONITE STAINED

3b MAFICS CHLORITIZED

3c BIOTITE RICH

5 CARBONACEOUS SKARN

5b GARNETIFEROUS SKARN

6 LIMESTONE

7 QUARTZ MICA SCHIST

—— CONTACT

– – – CONTACT ASSUMED

Soil Sample Analyses By Crest Laboratories Ltd. Edmonton, Alberta And Chemex Labs. Ltd., North Vancouver, B.C.

Cu, Pb Nitric Acid Digestion Determined By Atomic Absorption

Mo Nitric Acid And Perchloric Acid Digestion Determined By Atomic Absorption

BEDROCK WADEING GULCH CREEK

SIXTYMILE RIVER

MOSQUITO CREEK

BOUCHER CREEK

BOURDELAIS GULCH

BUTLER GULCH

PROPOSED ALTERNATE ROAD

TRENCH 2

MALACHITE STAINED GARNETIFEROUS SKARN

SEE FIG. IIx FOR DETAILED GEOLOGIC MAPPING

CONNAUGHT MINES LTD.

SIXTYMILE RIVER AREA, YUKON TERRITORY

RECONNAISSANCE GEOCHEMICAL SOIL SAMPLING AND MISCELLANEOUS TRENCHING

DATE	DEC / 1969
DRAWN	D. CONLON
SCALE	1" = 1/4 MILE

FIG. 12