

James Millar and Associates Ltd.

CALGARY, ALBERTA, CANADA

PHONE 269 5441

928

REPLY TO:

203, 6th - 17th Ave. S. . .

Report on the Geological and Geochemical
Work, Collex Groups of Claims, Peachland,
B.C. (Latitude $49^{\circ} 47-50' N$; Longitude 119°
 $45-50' W$) Conducted May to September, 1966
for Cambri Mining & Development Ltd. (N.F.L.)
by J. F. V. Millar, P. Eng. (Alta. & B.C.)

92E/13W

January 12, 1967

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INTRODUCTION

This report is being prepared at the request of the Directors of Cambri Mining and Development Ltd. (N.P.L.). The request for the report was not received until January 11th and insufficient time was available for proper preparation of maps and plans.

An exploration evaluation program was carried out on the Cambri Peachland area property between May and September, 1966. The program consisted of a geochemical soil survey and prospect diamond drilling carried out by James Millar & Associates Ltd. An Induced Polarization survey was conducted by Geofax Surveys Ltd. of Calgary, in an attempt to outline the dimensions of an anomalous area indicated by the geochemical survey.

PROPERTY

The property under discussion consists of 162 located mineral claims, 37 of which are fractional. The claims are grouped in five sections as follows:

Collex G-A Group (39 Claims) Osoyoos Mining Division

<u>Name of Claim</u>	<u>Record No.</u>
Collex Nos. 1G-18G, incl.	10946-10963, incl.
Collex Nos. 79G-84G "	11251-11256, incl.
Collex Nos. 90G-92G "	11259-11261, incl.
Collex No. 98G	11267
Collex No. 100G	11269
Collex No. 102G	11271
Collex Fraction 19 to	
Collex Fraction 24, incl.	15413 - 15418, incl.
Collex Fraction 27	15421
Collex Fraction 37	15669
Collex Fraction 38	15670

Collex G-B Group (31 Claims) Osoyoos Mining Division

Collex Nos. 30G-40G, incl.	11238-11248, incl.
Collex No. 78G	11250
Collex No. 87G	11257
Collex No. 88G	11258
Collex Nos. 93G-97G, incl.	11262-11266
Collex No. 99G	11268
Collex No. 101G	11270
Collex Nos. 103G-107G, incl.	11542-3-4; 15409-10
Collex Fractions 17 & 18	15411-12
Collex Fractions 25 & 26	15419-20
Collex Fraction 28	15422

Collex G-C Group (37 Claims)

Vernon Mining Division

<u>Name of Claim</u>	<u>Record No.</u>
Collex 41G	7693
Collex 43G	7695
Collex 45G	7697
Collex 47G	7699
Collex 49G	7701
Collex 51G	7703
Collex 53G	7705
Collex 55G	7707
Collex 57G	7709
Collex 59G	7711
Collex 60G-76G, incl.	7712-7728 incl.
Collex 85G	7729
Collex 86G	7730
Collex Fractions 29 to 36, incl.	9101-8, incl.

Collex H-A Group (39 Claims)

Osoyoos Mining Division

Collex 2H-10H, incl.	10971-79, incl.
Collex 12H-15H, "	10981-84, incl.
Collex 17H	10986
Collex 19H	10988
Collex 21H	10990
Collex 23H	10992
Collex 25H-34H, incl.	10994-11003, incl.
T-1	15083
Collex Fractions 1- 9, incl.	15085-15093
Collex Fraction 12	15096
Collex Fraction 16	15100

Collex H-B Group

Collex 1H	10970
Collex 16H	10985
Collex 18H	10987
Collex 20H	10989
Collex 22H	10991
Collex 24H	10993
Collex 35H-39H, incl.	11539-40-41; 12798-9
Collex Fractions 11 13 - 15, incl.	15095 15097-8-9
T-2	15084

Twenty-four of the original Collex claims were found to be over-staked and the ground is covered by the above,

These claim groups are generally located in the Trepanier Creek, Jack Creek and McCall Lake areas near Peachland, B.C. (Latitude 49° 47' - 50'; Longitude 119° 45'-50' W).

A secondary road connects the claim groups to Peachland, located on the paved highway between Penticton and Kelowna. The Collex G-A, B, C groups are approximately 9 miles north northwest of Peachland while the Collex H-A, B groups are only a few miles northwest of Peachland. Most of the claims are at an elevation of from 3000 to 6000 feet a. s. l.

EXPLORATION PROGRAM

The program actively commenced on the property on Sunday, May 8th. The claim groups were chain and compass surveyed and peripheral and fractional open ground was staked. A geochemical laboratory was set up for molybdenum-copper determinations.

To prospect the showings discovered a plugger and blasting crew were employed. During late August and September a drilling program was carried out using a two man crew.

Geochemical Survey

Laboratory Method

The trace analysis procedure was used for analysis of the soil samples. This procedure is sensitive enough to detect elements present in very small concentrations and reliable enough ^{that} the chances of missing an important anomaly are negligible. It is also economical enough that very large numbers of samples can be processed. The simplicity of techniques, portability of equipment, etc., allow an analytical laboratory to be set up near the field operations.

Rubeanic acid (dithio-oxamide) was used for copper determinations, while iso amyl acetate was used for the molybdenum.

Field Method

As the property was essentially unknown, a series of prospecting - geological traverses were run concomitantly with the claims survey. Following this work a pattern of soil sampling lines were laid out to take advantage of the claims survey, road accessibility, geology and natural topography.

All surveys; geological, geochemical and geophysical, were run using the claim survey and aerial photographs as control.

During the initial survey, samples were taken at 200 foot intervals, with cross lines (unplotted) at 400 foot intervals. Samples were collected from the sub-humus from 6 - 12" deep using a trowel for digging and stainless steel spatula and glass vial containers.

All indicated anomalous areas for either molybdenum or copper were immediately checked by a second series of samples, followed by a picket line layout with a close grid providing for a sample spacing of 50 feet. These samples were taken from a constant soil horizon coinciding with the top of residual matter. No slide rock or other areas of steep topography were encountered in the anomalous areas to distort the results. In several areas of inconclusive results, 'fill-in' samples were taken during the reconnaissance geological and prospecting phase.

Geological Program

The geological crew consisted of a geologist, prospector and helper. All anomalies were prospected and mapped by this team, with the close control provided by the fine sampling grid. Approximately 60% of the Collex H group was covered, with the balance being pretty well obscured by glacial drift. The Collex G group was mapped by a series of traverses during the general prospecting program, but was found to be mainly obscured by a thin till mantle.

Rock Trenching

A period of several weeks of random rock drilling and blasting was done during early May. These were put in by several prospectors in various locations on the property. Traces of this work can be found on the claims, all located close to the roadways.

The preliminary work on the Collex H group had indicated anomalous molybdenum content in the soil over a reasonable area. Prospecting of the zone uncovered copper-molybdenum mineralization of a low grade over a small exposed area of granodiorite. A program of rock pitting and trenching was instituted to check the extent of the mineralization. A series of some 400 shallow holes were drilled and blasted in an area of 150,000 square feet lying on the border of Collex T1 and T2 claims. Samples were taken from a number of these small pits and submitted for assay.

Geophysical Survey

During August the showing area of the Collex H group was checked by the Induced Polarization method and a report covering that survey will be found in Appendix I. This report was prepared by the geophysical contractors, Geofax Surveys Ltd. of Calgary.

Diamond Drilling

A series of four diamond drill holes were drilled in an irregular pattern governed to some extent by the topography. The holes were put down on the copper-molybdenum showing on the boundary of Collex T-1 and T-2. An aggregate of 447 feet were drilled, logged and sampled for assay.

Results of the Geochemical Survey

Reference is made to the following maps, prints of which accompany this report. Due to the short notice received for preparation of this report, these maps are necessarily copies of field maps. (See envelope)

Map No. 1	Collex H Group - Copper Geochemical Overlay
Map No. 2	Collex H Group - Molybdenum Geochemical Overlay
Map No. 3	Collex G Group - Copper Geochemical Overlay
Map No. 4	Collex G Group - Molybdenum Geochemical Overlay
Map No. 5	Collex G Group - Jack Creek Area Copper Geochemical Overlay
Map No. 6	Collex G Group - Jack Creek Area Molybdenum Geochemical Overlay
Map No. 7	Collex H Group - Geology, Eastern Section of H Group

The maps show only the broad survey with the traverse samples not shown. The grid surveys are also not shown on these small scale maps. The geological traverse samples and close grid samples are shown on the geological map (No. 7).

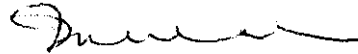
Two anomalous areas in copper were indicated by this initial work and a single molybdenum anomaly was inferred. The copper anomalies were found on (1) C. F. 12, Collex 19H, Collex 21H, Collex T1 and (2) on Collex 38, Collex 39H, while the molybdenum anomaly was found on Collex T1 and Collex T2.

The anomalous copper content was in the order of 30 p.p.m. and over. The anomalous molybdenum content was in the vicinity of 30 p.p.m. on the basis of the calibrated colorimetric scale used.

On the Collex G group and Jack Creek area group only one anomaly was found on Collex 15G-16G-17G-18G claims. Other higher than background readings were subsequently checked and found to be either isolated single readings or occupying some physiographic feature, for example, the long anomalous area from line JJ1 to PZ1 on Trepanier Creek. This region is a river valley bottom of mainly swamp and low grass covered by alluvial flood plain. This may represent some migration of sand down stream from the known exposures being explored further up the creek. The copper anomaly was found on the KT sample line readings numbering 3 - 7 and 18 - 23. These readings were subsequently checked and traverses mapped between them. The geological mapping indicated an area of no outcrop except along the road where a biotite granodiorite was exposed.

Respectfully Submitted,

JAMES MILLAR & ASSOCIATES LTD.



J. F. V. Millar, P. Eng. (Alta. & B.C.)

JFVM/gs

APPENDIX 1
INDIRECT OBSERVATION SURVEY

REPORT
on the
INDUCED POLARIZATION SURVEY
for
CAMBRI MINING & DEVELOPMENT LTD.

GEOFAX SURVEYS LTD.

G. A. Mouritsen

G. A. Mouritsen,
Senior Geophysicist

August, 1966.

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INTRODUCTION

During the dates of August 6th to 13th, an Induced Polarization survey was carried out along 5 lines on the Peachland property of Cambri Mining and Development Ltd. The survey was conducted by Geofax Surveys Ltd. of Calgary, Alberta. The crew was quartered in the Cambri trailer located 3 miles south of Peachland.

The crew moved from Grand Forks to Peachland on August 4th. The crew was on standby on August 5th awaiting client confirmation. Operations were begun on August 6th. From August 6th to 9th inclusive, the crew covered 5 lines of the geochem grid using electrode spacings of 200 and 300 feet. The Party Chief believed that no significant anomalous readings occurred. Electrode spacings of 100 feet, 200 feet, 25 feet and 50 feet were tried experimentally with no greater success. On August 12th, 1100 feet were run on Line HSL 20. The equipment was removed from the property on August 13th.

The survey was laid out on a 1000 foot N/S baseline on the geochem grid, with cross-lines to be surveyed labelled as HBL 0 - 10 and HSL 0 - 20. The lines had to be partly slashed and re-chained on 100 foot intervals. Line HBL-0 was surveyed by Geofax as it departed from the geochem grid to by-pass a slough. The lines surveyed were HBL-0, HSL-6, HBL-6, HSL-16 and HSL-20.

Operations were slowed by chaining and line slashing.

CONCLUSIONS & RECOMMENDATIONS

Please see the Maximum Chargeability map.

The induced polarization survey revealed:

1. A portion of a relatively good anomaly representing disseminated sulphide mineralization on Line HSL-20 at the 550' W station, probably extending north to

Line HSL-16.

2. A portion of a less pronounced anomaly on Line HSL-6 at the 550 E station
3. Indications of a weak anomaly at the 50'W station on Line HSL-20. This anomaly which tends to trend north along the baseline through Line HSL-16 and ending at Line HSL-6 would represent very low grade disseminated sulphides.
4. All anomalies described are buried 100 feet or less.

RECOMMENDATIONS

1. West extension of Line HSL-20 on 100 foot electrode spacings to fully delineate the anomaly at the 550'W station.
2. Extension west of Line HSL-16 to determine if readings of 7 milliseconds might occur to pick up the trend from the anomaly. 100 foot electrode spacings should be used.
3. East extension of Line HSL-6 to fully delineate the width of the anomaly at the 550'E station. The anomaly should then be detailed. 100 foot electrode spacings should be used.
4. A line should be run 200 feet south and parallel to HSL-20 from 00 station to at least the 1000'W station. This proposed line would delineate the south portions of the anomalies occurring on Line HSL-20 at the 50' W and 550'W stations. If the anomalies were again picked up by the new line, they should then be detailed.

PROPERTY LOCATION & ACCESS

The property lies 2 to 3 miles west of Peachland in the Osoyoos Mining Division of British Columbia. A Land Rover was used to transport the men and equipment to and from the property. The lines surveyed were coincident to a portion of the grid formerly used by a geochem survey. Many of the lines had to be slashed and Line HSL-0 had to be resurveyed. All Lines were chained on 100 foot intervals.

METHOD OF SURVEY

I. P. Instrument

The instrument used was a new Huntco pulse-type system capable of delivering 2500 watts to the ground. The system is composed of 3 sub-systems: a generator, a transmitter and a receiver. The generator provides the source of prime power for the transmitter which produces a rectangular current pulse to the ground. The cycling rate is 1.5 seconds "current on" and 0.5 seconds "current off"; succeeding pulses are of opposite polarity. The receiver operates remotely and is triggered by the decay of the transmitter current. The readings for the primary potential V_p and secondary potential V_s are taken by the null balance method with the input signal balanced over a period of time to reduce noise effects. The main advantages of the pulse type system over the variable frequency type system are, 1. Any electrode spacing may be used, whereas the spacings used on variable frequency systems are restricted, due to inductive coupling between transmitter and receiver circuits. 2. Less time is required to take each reading as no average is required.

I. P. Electrode Array

The lines were surveyed using a 3-array electrode spacing. The array consists of one current electrode (C_1) and 2 potential electrodes (P_1 & P_2) which are moved together down the line. The fourth electrode (C_2) is placed at an infinite distance from the other three (where infinite distance = 7 to 10a). Please see electrode array diagram with the Legend on the chargeability & resistivity profile plots.

Electrode arrays of 25, 50, 100, 200, 300 and 400 feet spacing was tried experimentally, but spacings of 100 and 200 feet were generally used.

I. P. Data

The chargeabilities (Ma) and resistivities (Ra) are plotted in profile form on a scale of 1" = 100 ft. A contour map on a scale of 1" = 100 ft. is drawn of the chargeabilities for 100' electrode spacings for lines HSL-20, HSL-16, HBL-6 and HSL-6, and for electrode spacings of 200 feet on HSL-0. This contoured map serves to pinpoint anomalies as to station and line and helps to develop trends where they exist.

DISCUSSION OF RESULTS

Please see the chargeability contour map.

The zone of interest, or anomaly with the highest chargeability of the area occurred at the 550'W station on Line HSL-20. The anomaly occurs at the last station on the line and therefore requires detailing. Without further control, the anomaly lacks description as to its lateral extent.


The second best anomaly occurs at the 550F' station on Line HSL-6. Again here the anomaly lacks control and requires detail to delineate its size.

A very minor anomaly occurred at the 50'W station on Line HSL-20. To constitute an anomaly, the chargeabilities should increase to at least twice the background chargeabilities. The average background chargeabilities in the area are from 2.0 to 2.5 milliseconds. Therefore to be classified as an anomaly or zone of interest, the chargeabilities should increase to 5 milliseconds or better. The anomaly at the 50'W station of Line HSL-20 just meets this prerequisite.

The location of the anomalies described should be compared to any diamond drilling which has been done in the area. Then the chargeabilities occurring near the drill hole locations should be compared

with the chargeabilities of the anomalies described. If the area is believed to contain low grade disseminated molybdenum and copper sulphides, anomalies with low chargeabilities could prove worthwhile.

Respectfully submitted,
CEOFAX SURVEYS LTD.


G. A. Mouritsen,
Senior Geophysicist

GAM/ga.

APPENDIX

The following personnel were employed on the survey:-

G. A. Mouritsen	Senior Geophysicist
E. W. James	Party Chief, Chief Operator
R. Toogood	Operator
D. McNeil	Helper
E. Bostock	Helper

Cambri Representatives:-

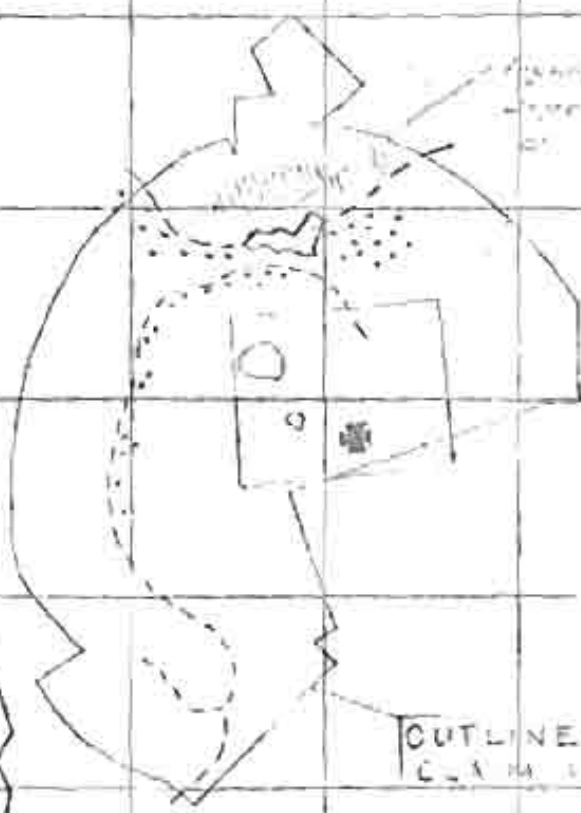
J. R. Good	James Millar & Associates Ltd.
R. Andrews	James Millar & Associates Ltd. (Consulting Mining Engineers)

APPENDIX II

PERSONNEL

- J. F. V. Millar, BSc.** Mining Engineering University of British Columbia. Consultant, registered with the Professional Engineering Societies of Alberta and British Columbia. Sixteen years experience.
- D. C. Dale,** Geology, University of Calgary. One season mapping for exploration party in Queen Charlotte Islands. Two seasons mapping and geological reconnaissance in Yukon and B.C.
- R. Andrews,** Chemistry, University of Calgary. Seismic Computer-Alberta, one season geochemical exploration in B.C.
- J. R. Good.** University of Alberta, minor Geology. One season surveying, prospecting and exploration, Queen Charlotte Islands. Two seasons prospecting, geological mapping, surveying and party supervision, diamond drilling and bulk sampling program.
- E. Andrews,** Honours Chemistry, University of Calgary. Two seasons oil survey crews, Alberta, one season geochemical exploration in B.C.
- G. Sargina,** Student Geology, University of Calgary. First field season.
- W. Badyk,** Student, Notre Dame University, Nelson. Third exploration field season, Yukon and B.C.
- M. Millar.** Student. Second exploration field season, Yukon and B.C.
- P. Patterson.** Student. First field season.
- D. Gibbs.** Second field season, mining exploration, B.C.
- J. R. Dean** Retired Driller, Cominco.

POLITICAL DIVISION



Hand-drawn sketch map showing
political division on grid map
of 1920s

Hand-drawn sketch map showing
political division on grid map
of 1920s

OUTLINE
OF
MAP AREA

OUTLINE OF
CLAIM AREA

Read to
Pace land
↓

SKETCH MAP CASE
14 CLAIM AREA
To show political division
map area of 1920s

Hand-drawn sketch map showing
political division on grid map
of 1920s

APPENDIX III

SUMMARY OF EXPENSES AND PROJECT TIME

SUMMARY OF EXPENSES ON THE COLLEX
CLAIM GROUPS

James Hillar & Associates Ltd. Statement (Geology, geochem.)	\$ 16,224.67
Cambria Mining & Development Ltd.	12,413.74
Geofax Surveys Ltd. (Induced Polarization - Geophysical Survey)	<u>2,000.00</u>
	\$ 30,638.41

STATEMENT OF EXPENSE - JAMES MILLAR & ASSOCIATES LTD. - MINING ENGINEERS

RE: CAMBRI MINING & DEVELOPMENT LTD. (N.P.L.)

CLAIM GROUPS - COLLEX P - A,B,C and COLLEX P - A,B PEACHLAND, B.C.

MAY to SEPTEMBER, 1966.

.....
Engineer, Geologist and Geochemists charged at the allowable \$35.00/day

J.F.V. Millar, Senior Engineer (P.Eng. Alta. & B.C.)

May 7 days
July 7 days
Aug. 7 days
Sept. 4 days
25 days @ \$35 \$ 875.00

Party Chief, James R. Good

May 28 days
June 9
July 18
Aug. 16
69 days @ \$35 2415.00

Geologist, Donald C. Dale

May 8 days
June 10
July 18
36 days @ \$35 1260.00

Senior Geochemist, Ronald Andrews

May 29 days
June 27
July 16
72 days @ \$35 2620.00

Ass't. Geochemist, Edward Andrews

June 29 days
July 18
47 days @ \$35 1645.00

Helpers

G. Sargina (Geological Helper)

May 17 days
June 24
41 days @ \$30 1230.00

W. Badyk (Geochem. Helper)

May 3 days
June 30 days
July 18 days
Aug. 9 days (Drill Helper)
72 days @ \$30 2160.00

M. Millar

May 3 days
June 7
Aug. 9 (Drill Helper)
19 days @ \$10 190.00

Helpers - cont.

Balance Forward 12,395.00

F. Patterson

June 7 days
July 18 days
Aug. 11 days (Drill)
36 days @ \$10

\$ 360.00

Jack R. Bean, Driller

Sept. 1 - 20 @ \$35/day

700.00

D. Gibbs, Driller

Aug. 5 days @ \$30

150.00

\$ 13,605.00

Living Expenses

May 648.30
June 410.14
July 249.65
Aug. 200.00
Sept. 219.90

\$1,527.99

Transportation

1,311.85

Field Lab Supplies

2,266.19

2,266.19

Misc.

26.15

Field Office Expense
and Communication

778.05

Fuel, Repairs-Power Wagon
Trailer Space Rent

923.44

Drill Rental and Supplies

353.48

353.48

TOTAL APPLICABLE EXPENSE

\$ 16,224.67

Certified Correct:
JAMES MILLAR & ASSOCIATES LTD.

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 Vancouver, in the
Province of British Columbia, this 7
day of Feb. 1967, A.D.

J. Holliman

STATEMENT OF EXPENSE - CAMIHI MINING & DEVELOPMENT LTD. (N.P.L.)

LINE CUTTING RE GEOCHEMICAL SURVEY *J.L.*

Wages

Jones, John	3,339.13	
Thompson, John	2,951.01	
Bryant, Harold	<u>3.168</u>	
		<u>\$ 6,321.82</u>

Equipment Rental

Jeep	1,629.16	
Ski-doo	100.00	
Trailer	1,315.00	
Rock Drill & Grinder	<u>1,195.55</u>	
		4,239.71

Bulldozing (Trenching)

167.00

Professional Fees

Allan P. Hawley, PH.D., P. Eng. (Consultant)		1,117.07
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Equipment Expense & Supplies

Jeep	413.02	1106.02
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Drill Expense

Rods, core bits, reaming shells		568.14
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Assaying

Okanagan Assayers	118.00	
T.S.I. Laboratories LTD.	625.85	
Atlas Testing	273.00	

Cabin & Trailer Rental

409.25

~~TOTAL APPLICABLE EXPENSE~~ \$12,413.74

~~certified correct~~

(L.)

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 *Yessonville*, in the
Province of British Columbia, this *7*
day of *February*, 1967, A.D.

J. Robinson

A. J. ...
A Commissioner for taking Affidavits within British Columbia or
A Notary Public in and for the Province of British Columbia.



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 928 MAP 1

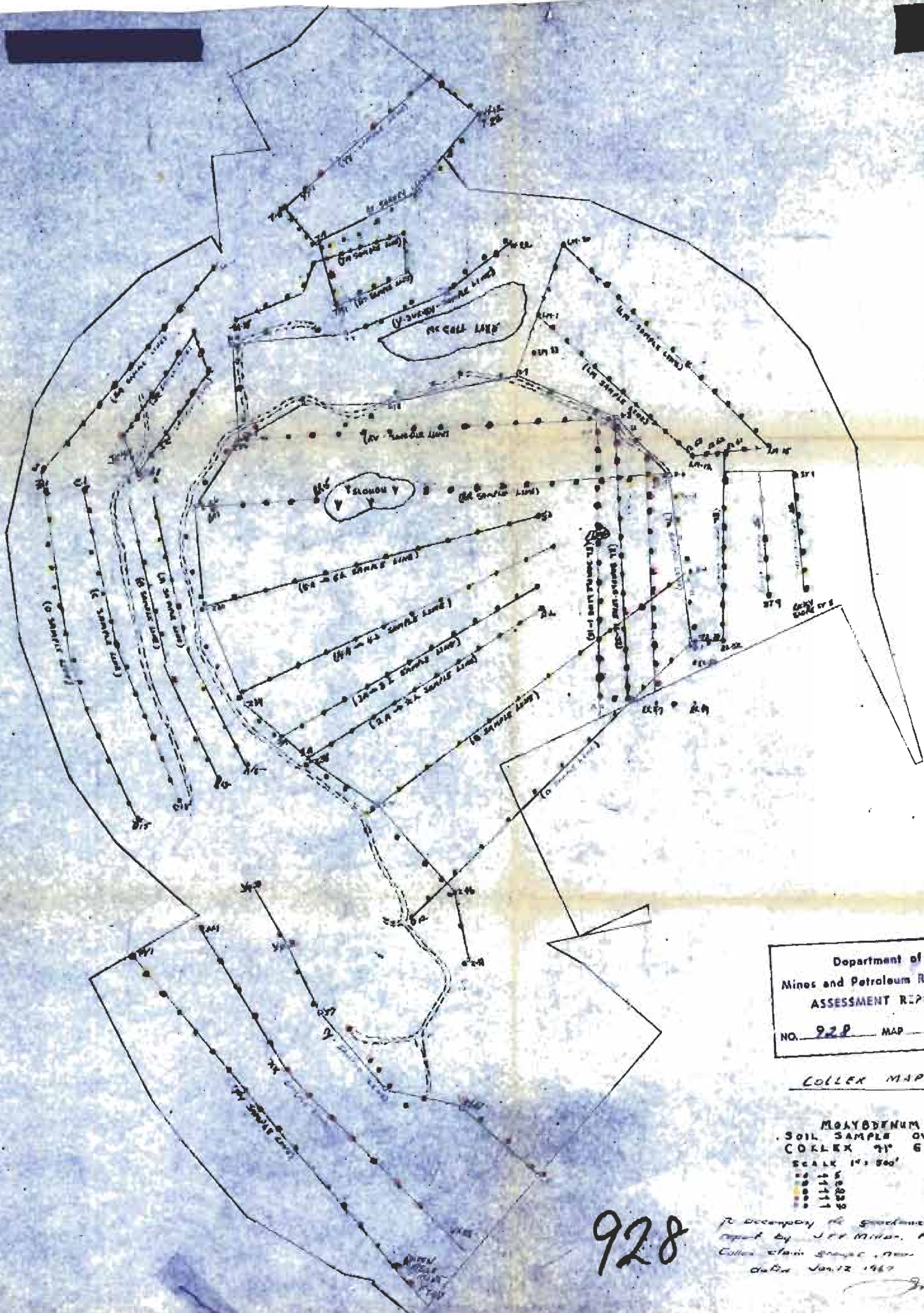
COPPER
SOIL SAMPLER OVERLAY
COLLX "H" GROUP
SCALE 1" = 500'
FOOD

COLLX MAP NO. 1

To accompany report on Geology and Geophysics No. 6 by J. H. Hill
P. Eng. on the Collx Group of
Mineral Claims, Redland B.C.
dated Jan 12, 1967.

928

J. Hill



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 928 MAP 2

COLLEX MAP NO 2

MOLYBDENUM
 SOIL SAMPLE OVERLAY
 COXLEX 41' GROUP
 SCALE 1" = 500'

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928

To accompany the Assessment and Geol. Report by J.F.F. Miller, P. Eng. on the Collex claim groups, near Fairbairn, Alberta Jan 12 1967

J.F.F. Miller



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 928 MAP 3

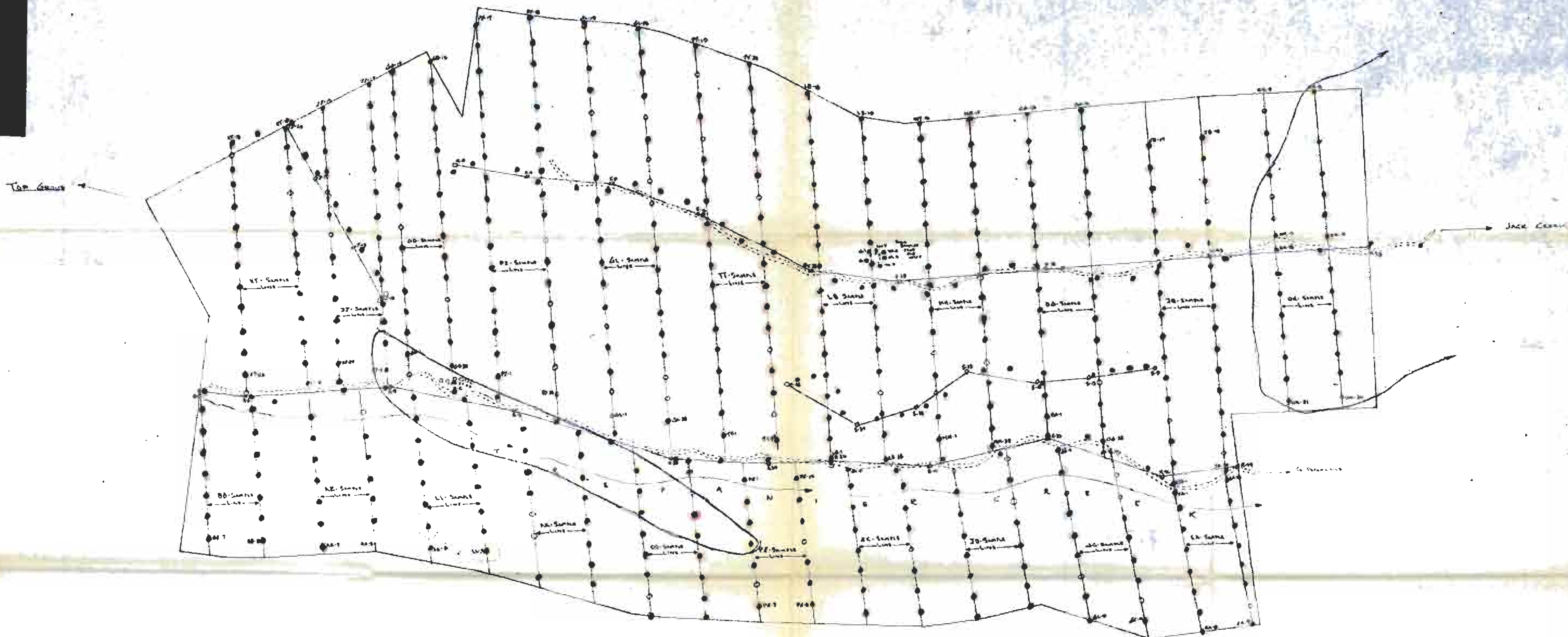
COPPER OVERLAY MAP
 COLLEX 'G' GROUP

SCALE 1" = 100'
 LEGEND
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COLLEX MAP NOS
 To accompany report on Geology
 & Geological Work by permission
 of the Collex Group of Companies,
 Washington, D.C.
 Date: Jan 12 1969

928

J. J. ...



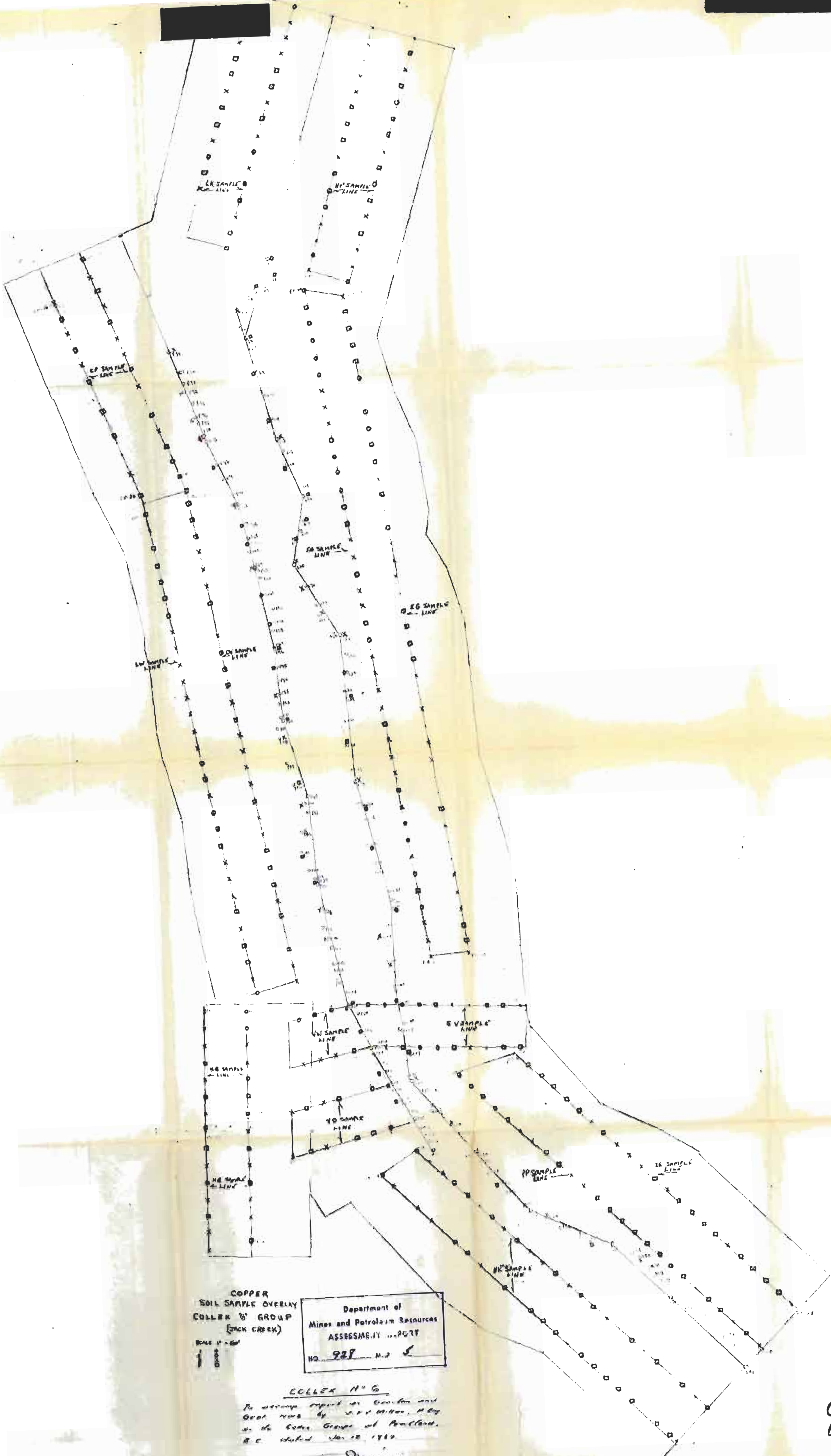
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 928 MAP 4

Scale: 1" = 500'
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COLLECTOR
For assay report on Gold & Silver
work by J. H. M. M. P. S. S.
in the Lower Group of Pavlovsk, B.C.
July 12, 1947

J. H. M. M. P. S. S.

928



COPPER
SOIL SAMPLE OVERLAY
COLLEX NO. 6 GROUP
(JACK CREEK)

SCALE 1" = 50'

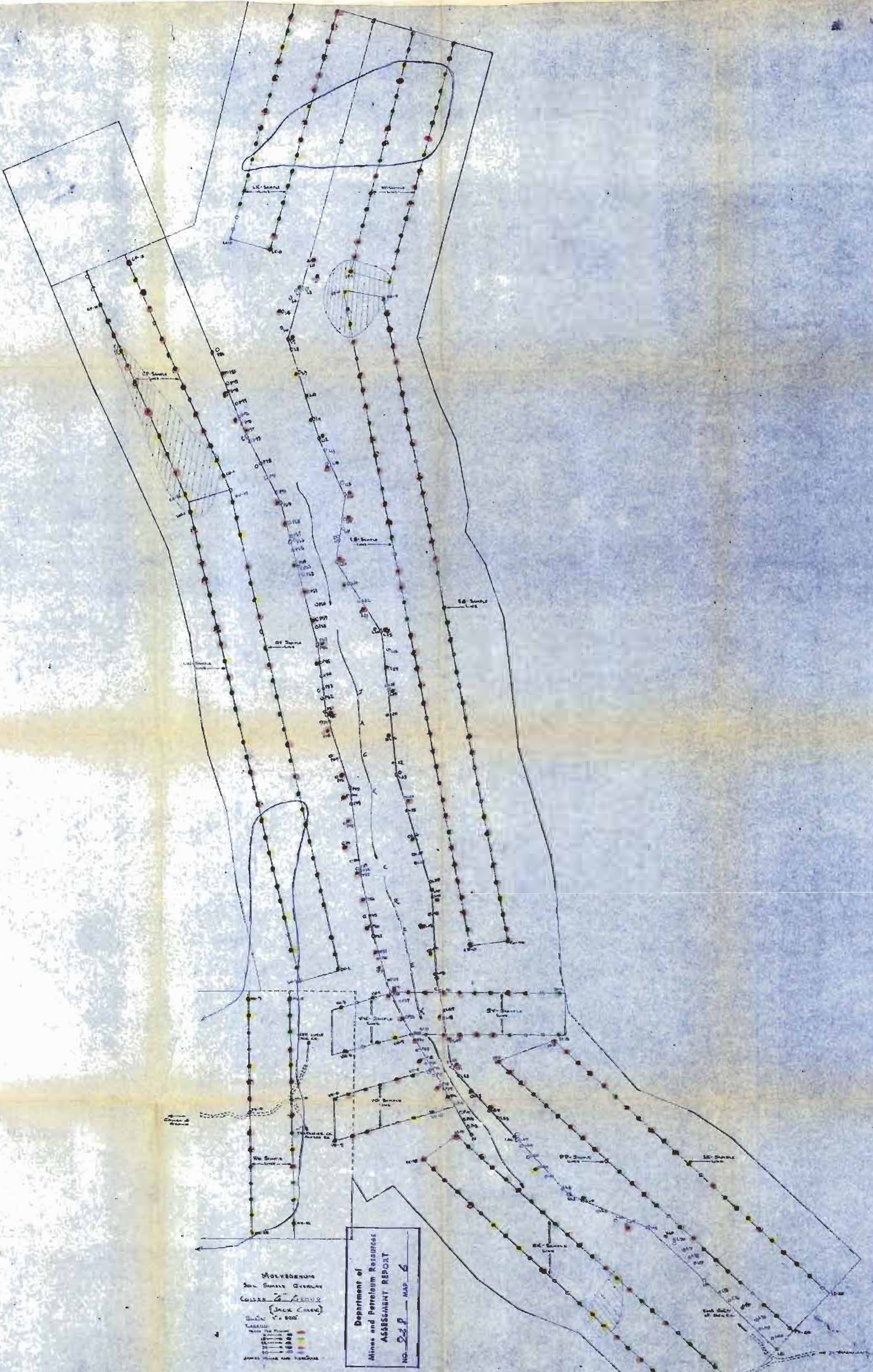
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 928 Map 5

COLLEX NO. 6

For assay report on location and
Geol. map by J. F. M. Ross, M. Eng.
of the Collex Group at Powellton,
B.C. dated Jan 12, 1912

James

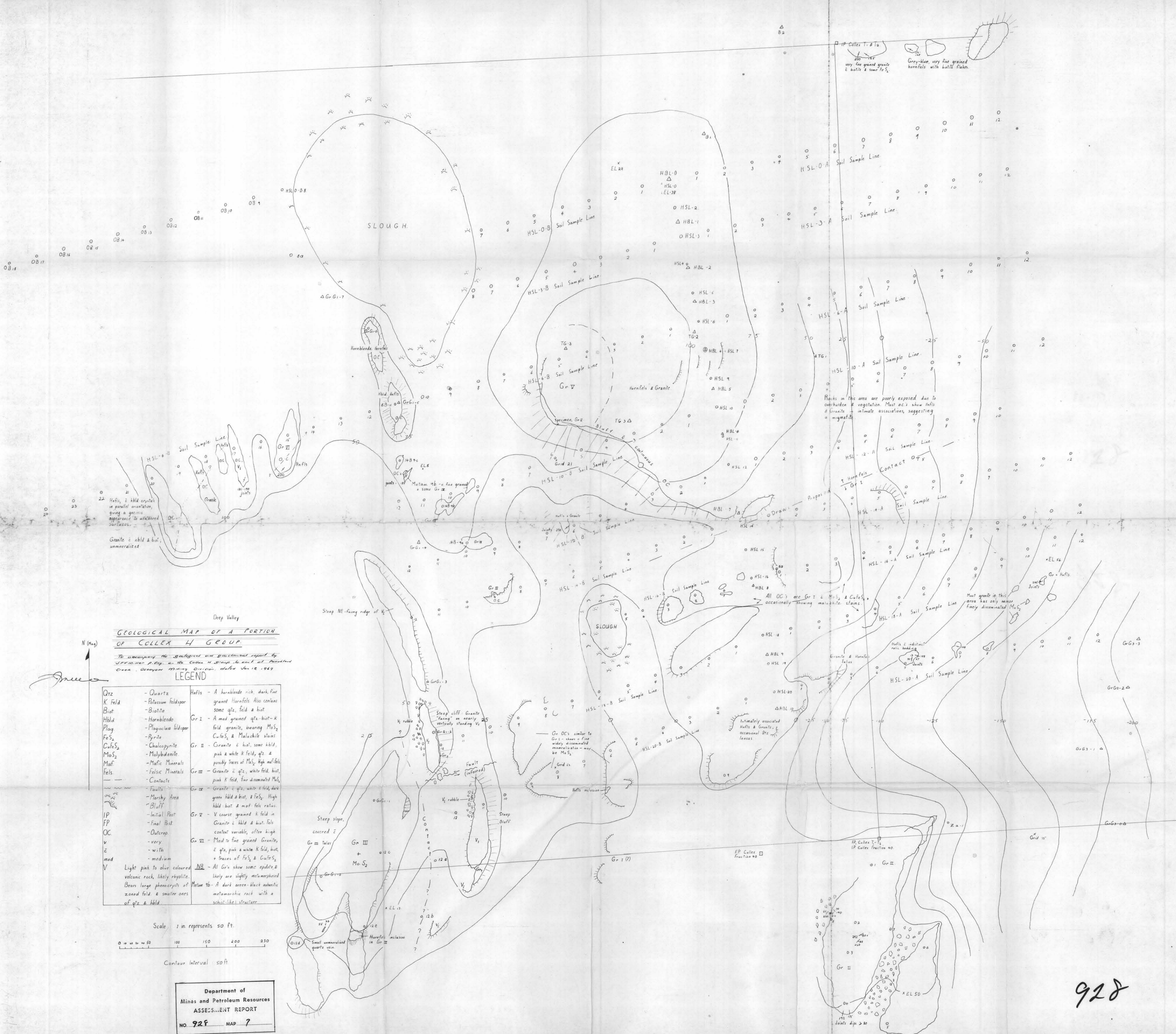
928



METASEDIMENTS
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 GRANITE
 QUARTZITE
 SCHISTOSITY
 FAULT
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Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 248 - MAY 6

COLLECTED BY
 TO OBTAIN REPORT ON QUANTITIES AND
 QUALITY OF OIL BY JACK LEECH
 IN THE CATHY GROUP AT FORTY
 O.C. DISTRICT JUN 12 1967



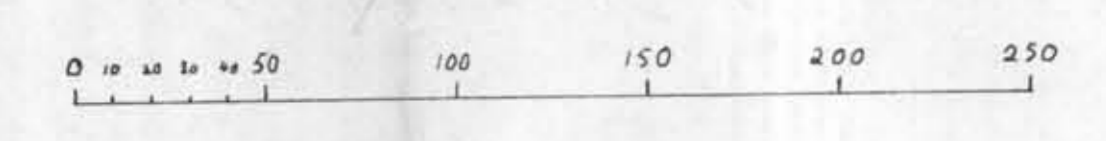
GEOLOGICAL MAP OF A PORTION OF COLLEX H GROUP

To accompany the geological and structural report by J.P. Collex, P. Eng., on the Collex H Group, to west of Redoubt Creek, Yukon Territory, dated Nov. 12, 1969.

LEGEND

Qtz	- Quartz	Hafis	- A hornblende rich, dark, fine grained Hornfels. Also contains some qtz, feld & biot.
K feld	- Potassium feldspar	Gr I	- A med grained qtz-biot-K feld granite, bearing MoS_2 , $CuFeS_2$ & Malachite stains.
Biot	- Biotite	Gr II	- Granite \pm biot, some hbl, pink & white K feld, qtz & possibly traces of MoS_2 , high mal/fels.
Hbl	- Hornblende	Gr III	- Granite \pm qtz, white feld, biot, pink K feld, fine disseminated MoS_2 .
Plag	- Plagioclase feldspar	Gr IV	- Granite \pm qtz, white & feld, dark green hbl & biot, & FeS_2 . High hbl-biot & maf fels ratios.
FeS_2	- Pyrite	Gr V	- V coarse grained K feld in Granite \pm hbl & biot. Fels content variable, often high.
$CuFeS_2$	- Chalcopyrite	Gr VI	- Med to fine grained Granite, \pm qtz, pink & white K feld, biot, + traces of FeS_2 & $CuFeS_2$.
MoS_2	- Molybdenite	NB	- All Gr's show some epidote & likely are slightly metamorphosed volcanic rock, likely rhyolite.
Maf	- Mafic Minerals		- Bears large phenocrysts of Metam MoS_2 - A dark green-black asphatic metamorphic rock with a schist-like structure of qtz & hbl.
Fels	- Felsic Minerals		
—	- Contacts		
—	- Faults		
—	- Marshy Area		
—	- Bluff		
IP	- Initial Post		
FP	- Final Post		
OC	- Outcrop		
V	- very		
E	- with		
med	- medium		

Scale 1 in represents 50 ft.



Contour Interval 50 ft.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 92F MAP 7

928



**MAP OF COLLEX G GROUP
COLLEX GC + PART GB**

To accompany application for certificate
of work dated Feb 7 1967

J. E. Good
P. Eng. BC - 1116
has claim + compare survey of claim
J. E. Good May, 1966

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 928 MAP 8

Collex G
Jack Creek
Survey

928

928

Map North



CHINA COMPASS SURVEY
 COLLEX G GROUP
 SCALE 1" = 500'

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 928 MAP 9

MAP OF COLLEX G
 COLLEX GA - PART GB GROUPS

To accompany application for coal lease
 for mine area 111/2 112/7

J. J. J.
 1955 10 10

