

3571

Geochemical Report
on the
X Group of Mineral Claims
for
Canadian Johns-Manville Co. Ltd.
Box 1500, Asbestos, Que.

Covering X claims 1-8, 13-18, Record Nos.
11554(0) to 11561(0), 11566(0) to 11571(0)

Located 1) $59^{\circ} 42' N, 133^{\circ} 26' W$
2) N.T.S. Map 104N - Atlin
3) On Boulder Creek, 12 miles
N.E. of Atlin, B.C.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 3571

MAP.....

Work Done: June -
Report: February

Supervisor: H.K. Conn, P. Eng.



Expiry Date: Jan. 28, 1973

Submitted by:

L.J. Schoen
Geologist

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Boulder Creek - Geochemical Survey

↑Pb, ↓Cu, qZn, OAg, ↑Mo, ↓W, Distribution, 1" = 200'

Summary and Recommendations

A geochemical survey was carried out over the X group of claims as an extension of a survey carried out on the middle fork of Boulder Creek in 1970. A total of 388 samples were collected and assayed for molybdenum, copper, lead, zinc, silver and tungsten.

The results from copper show the strongest, most coherent anomaly suggesting possible mineralization. Moderate lead, zinc, and silver anomalies occur on the headwaters of the west fork of Boulder Creek, but are probably the result of dispersion patterns. Tungsten and molybdenum exhibit scattered insignificant anomalies.

It is therefore recommended that further prospecting and geological mapping be applied primarily to the area of the copper anomaly and secondly to the area of Pb, Zn, Ag overlapping anomalies. Further, it is recommended that, the budget warranting one 2000' hole dipping northward towards the alaskite-granodiorite contact be drilled on the copper anomaly. This hole could provide valuable information pertaining to the potential of these claims and would give enough assessment work to keep these claims in good standing for several years.

Introduction

During the period June 25 to July 2, 1971 a geochemical survey was carried out over the X claims group owned by Canadian Johns-Manville Co. Ltd. The X claims are situated $1\frac{1}{2}$ miles southwest of the Adanac orebody on Ruby Creek and are therefore of significant interest to C.J.M. not only for possible mineralization but also for their land use value. They also give some protection to the Companies mineralized ground to the northeast.

Sampling for the geochemical survey was done by geologist Clive Aspinall and assistants, P. Nicholson, I. Moritz, L. Verlinden and T. Hansen, all were employed by the above said company. The survey involved geochemical sampling on a 200 foot survey grid which is an extension of the 1970 geochemical sampling program. For information on the 1970 work the reader is referred to the assessment report: Geochemical Report on the X Group of Claims, Atlin Mining Division, British Columbia, H.K. Conn, P.Eng. Chong-Pin Lin, M.A. February , 1971.

Location and Access

These claims are located in the Boulder Creek area of the Atlin Mining Division, B.C. about twelve miles northeast of Atlin and three miles upstream from Surprise Lake. The property can be reached by a secondary road to Surprise Lake and a rough road up the west side of Boulder Creek. Geographical location is $39^{\circ} 42' N$ and $133^{\circ} 26' W$, on the Atlin map sheet 104N.

Physiography and Vegetation

Elevation of the claim group ranges from 4,500 feet at the south end to 5,600 feet at the northeast corner with a local relief of about 1,100 feet. Boulder Creek valley strikes north-south and slopes gradually up to Mount Leonard and the peaks along the Ruby Creek - Boulder Creek divide. The southern slopes of those peaks are generally steep but rounded in nature.

The valley floor and slopes are covered with a semi-continuous layer of glacial till, with a carpet of alpine vegetation up to approximately the 4,700 foot contour where outcrop and talus scree commence.

The development of soil under these conditions is very slow with some organic A-horizon and negligible B-horizon, followed by an intermixture of grey glacial till and broken bedrock forming the C-horizon.

General Geology

The main part of the claim group is underlain by the Ruby Creek alaskite which forms a small outlier of the Surprise Lake batholith of Cretaceous age.

The southwest portion of the claim group is underlain by sediments of the Cache Creek group and some small ultrabasic bodies, both of Permian age.

The Surprise Lake batholith is composed of alaskite which is characterized by inequigranular texture and abundant smoky quartz. The Cache Creek group sediments in the vicinity of the claims are argillaceous quartzite, quartzite, and re-crystallized limestone. The peridotite bodies are part of the Atlin intrusions in the Cache Creek sediments.

Geochemistry Survey

In June 1971 a 200' grid system was established about the west fork of Boulder Creek over the X 1-8,13-18 claims. A total of 388 geochemical samples were collected from the grid.

A. Grid Control

A 5200 foot northwest, southeast baseline was surveyed along the location line of claims X-1 to 8 passing along and through the upper reaches of the west fork of Boulder Creek. East-west offset lines were established at 400' intervals and extending 1500 to 2000' on either side of the baseline. A 4400' tieline was surveyed along the location line of claims X-9 to X-18. East-west offset lines at 400 foot intervals were established on this tieline when required. The survey was done with Brunton compasses and a 200 foot chain. Stations were marked by pickets and flagging.

B. Sampling Methods

Samples were collected at 200' intervals throughout the grid. All samples were located by grid coordinates and placed in pre-numbered wet strength paper bags.

B-horizon material was sought where possible but A-horizon material or mixtures of A & B horizons were collected where good B-horizon material was not available.

C. Analytical Techniques

388 geochemical samples were analyzed in the Vancouver labs of Bondar-Clegg and Company Ltd. Tests for copper, lead, molybdenum, silver, tungsten and zinc were made on each sample. The samples were dried at 40-50° C in infra-red ovens and sieved to -80 mesh in Tyler sieves. In order to extract the metals an aliquot of -80 mesh fraction

was digested in hot aqua regia and potassium carbonate. The metal content of each sample was determined by atomic absorption and colorimetric means at various detection limits. A description of the method used is presented below.

| Element | Extraction Method | Determination Method | Detection Limit |
|---------|---------------------|----------------------|-----------------|
| Cu | Hot Aqua Regia | Atomic Absorption | 1 ppm |
| Pb | Hot Aqua Regia | Atomic Absorption | 1 ppm |
| Mo | Hot Aqua Regia | Atomic Absorption | 1 ppm |
| Ag | Hot Aqua Regia | Atomic Absorption | 0.2 ppm |
| Zn | Hot Aqua Regia | Atomic Absorption | 1 ppm |
| W | Potassium Carbonate | Colorimetric | 2 ppm |

D. Classification of Data

The sample data are classified statistically into five classes for each element as follows:

Negative $0 - (\bar{x})$

Possibly Anomalous $(\bar{x} + 1) - (\bar{x} + 5)$

Probably Anomalous $(\bar{x} + 5 + 1) - (\bar{x} + 2 S)$

Anomalous $(\bar{x} + 2s + 1) - (\bar{x} + 3s)$

Highly Anomalous $(\bar{x} + 3s + 1)$

where \bar{x} is the arithmetic mean and "s" is the standard deviation. The 388 samples were treated as one population. Although different environments are represented in the samples it was not felt necessary to subdivide the samples into separate populations.

E. Data Preparation

Detailed sample locations are shown on a 200 foot scale map. Analytical results in parts per million are plotted at the sample

stations on individual map sheets showing values of each element. Stations of anomalous values are indicated by a color code as described in the legends of the geochemical survey maps. On the geochemical maps for Cu, Mo, W, Pb, Ag, the results of the 1970 geochemical survey (Conn & Lin '71) are also plotted and colour coded. The 1970 survey was left as an individual population. It has class boundaries differing from this survey, as described in the legends of the maps for each element. The 1970 survey (Conn and Lin '71) was carried out in a manner similar to this survey on the central branch of upper Boulder Creek. Analysis of the 189 samples taken in 1970 showed scattered values for Mo, Ag, Sn, W, and significant Pb and Cu anomalies open to the west. The present survey was recommended to extend the geochemical coverage to the west of these open anomalies.

Discussion of Data

A study of the elements by superimposing their distributions shows a slight tendency for a definite copper anomaly centered on M.C. X 4, to be ringed by mostly possible lead anomalies. Superimposing also shows a tendency for Pb, Ag and Zn anomalies to overlap around the western corner of the survey area. Finally the composite map (all elements, 1970 and 1971 surveys) shows a tendency for the eastern half of the total area to be somewhat deficient in anomalous values while the western half exhibits a noticeable increase in anomalous values.

Lead: The obvious zone of Pb anomaly found in the central portion of the 1970 grid is found to extend as a zone of anomaly 1500' wide, diagonally across the map to the west where it is still open. This zone is mainly possibly anomalous with scattered probable and high values. An area of possible anomaly occurs in the northern part of the survey

and is open to the north. Evans in his 1968 geochemical report on Boulder and Ruby Creeks suggests that a probable anomaly on the upper left fork of Boulder Creek may be related to a possible lead-silver occurrence. He also states that "lead is probably a normal minor element within the potassium rich quartz monzonite." This last information along with the alignment of the lead anomaly with easterly trending photolineaments suggests the anomaly to be of minor importance and related to the structure of the area.

Copper: A definite and highly anomalous zone extending about 1400 feet from J 1053 to south of J 1226 is connected by possible and probable anomalies to the anomalous copper values found in the 1970 geochem survey. Possibly anomalous values generally surround the definite anomaly and close off in all directions but the north. Other small areas of possible anomaly are found on the western and southern corners of the survey area but are of little importance. The main definite anomaly occurs mostly on a ridge extending south of Mt. Leonard and should be prospected more closely on the ground.

Silver: Scattered mostly possible anomaly values occur over most of the map area. An area of possible to definite anomaly occurs in the western corner of the map on the steep slopes around the headwaters of the western branch of Boulder Creek. The overlap of the Ag anomaly with Pb and Zn anomalies is possibly due to a lead, zinc, silver occurrence but more likely is minor mineralization enhanced by secondary dispersion on the steep slopes of the headwaters.

Molybdenum: Anomalous Mo values occur throughout the survey area with a definite tendency for the highly anomalous values to lie scattered about a line passing from the eastern to western corners of the map. This is

probably related to minor mineralization along a major east-west structure. The rest of the Mo values suggest as a source Mo and W bearing quartz veins and stringers found in the upper Ruby and Boulder Creek drainages. In relation to the Mo anomaly found on upper Ruby Creek these Mo values are considered insignificant.

Tungsten: Areas of possible and probable Tungsten anomalies are found scattered throughout the area and probably represent W with Mo along quartz veins and stringers found in the area and are of no economic significance.

Zinc: Anomalous Zinc values occur scattered throughout the map area. The western corner of the area contains a zone of possible through high anomalies which is open to the NW and SW. This zone is coincident with similar Pb and Ag anomalies suggesting as a possible source Pb, Zn, Ag mineralization. However, as with Pb and Ag the anomaly is more likely due to secondary dispersion on steep slopes from very minor mineralization.

Aspinall (pers. comm.) has reported occasional minor lead-silver in float off the map area to the south east.

APPENDIX I
Statement of Costs

Cost Analysis

| | | |
|--|--------------------------|--------------|
| G.R. Craft, Picketting and chaining grid lines, 13.88 miles @ \$50 mile | \$ 694.00 | 694.00 |
| <u>Sampling Cost</u> | | |
| C. Aspinall Wages for 2 days @ 41.66 per da. Expenses for 2 days @ \$10 per day. | 83.32 <u>20.00</u> | \$103.32 |
| P. Nicholson expenses for 3 days @ \$10 day. Salary for 3 days @ 22.08 day | \$ 30.00 <u>66.24</u> | 96.24 |
| I. Moritz, expenses for 5 days @ \$10 Da. Salary for 5 days @ 20.41 day | 50.00 <u>102.05</u> | 152.05 |
| L. Verlinden, expenses for 2 days @ \$10 per day Salary for 2 days @ 18.75 per day | 20.00 <u>37.50</u> | 57.50 |
| T. Hansen expenses for 3 days @ \$10 da. Salary for 3 days @ \$12.50 day | 30.00 <u>37.50</u> | 67.50 |
| Transportation to and from Atlin 150 mi @ 20¢ mile | 30.00 | 30.00 |
| Sample preparation and analysis | \$ 1924.48 | 1924.48 |
| Data compilation and report writing by L. Schoen 13 days @ 32.30 day | 419.90 | 419.90 |
| Office Supplies | 50.00 | <u>50.00</u> |
| Total | | \$3594. 99 |

STATEMENT OF QUALIFICATIONS

I, Herbert Keith Conn, of the town of Asbestos, do hereby declare that:

1. I am a mining geological engineer employed as Exploration Manager for Canadian Johns-Manville Company, Limited, P.O. Box 1500, Asbestos, Quebec.

2. I have practised in the geological profession for twenty-two years and specialized in economic geology and exploration procedures for the past twenty-one years.

3. I am a graduate of the University of Toronto, Toronto, Ontario, with a degree of B.A.Sc. (Mining Geology), 1948.

4. I am a member of the following professional associations:

(a) Corporation of Engineers of Quebec

(b) Non-resident member of the Association of Professional Engineers of the Province of British Columbia

(c) Fellow of the Geological Association of Canada

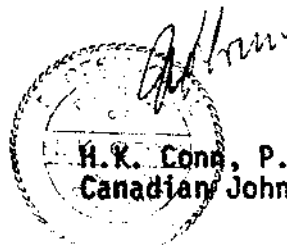
(d) Fellow of the Society of Economic Geologists

(e) Member of the Canadian Institute of Mining and Metallurgy

(f) Member of the American Institute of Mining Engineers

5. This report is based on published and unpublished information.

February 1972



Expiry Date: Jan. 28, 1973

APPENDIX II

Statement of Qualifications

Statement of Qualifications

I Leon J. Schoen do hereby certify that:

- 1/ I am a geologist employed by Canadian Johns-Manville Co. Ltd. Box 1500 , Asbestos, Que. and Box 69, Atlin, B.C.
2. I am a graduate of the University of Montana at Missoula, Montana, B.A. Geology, 1969.
3. My status with Canadian Johns-Manville Co. Ltd. is that of a field geologist in Atlin, British Columbia.
4. I do not have any financial interest direct or indirect in the X group of claims.
5. This report is based on study of published geological and geochemical reports and maps and on field information collected by Canadian Johns-Manville Co. Ltd. personnel.

Leon J. Schoen

APPENDIX III

Geochemical Soil Survey Data.

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: J. MORITZ

 AREA: ATLANTIC P.C.

 DATE: 29 JUNE 1971

 PROJECT: 61

 LOCATION REF: BOULDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|-----------|----------------|---------------|-----------|-----------------|------------|---------|--|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1342 | TL165 2E | ↘ | VALLEY FLOOR | TILL | B 4" | BROWN | F-M | IN BUCKBRUSH, NO GRAVEL, ORGANIC L-M | | | | | |
| J1343 | TL165 1DE | ↘ | " | TILL | B 3" | " | F-M | ROCKY GRASSY SLOPE, | | | | | |
| J1344 | TL165 12E | ↘ | " | TILL | B 5" | " | F-M | ORGANIC MOD., SANDY, NEAR CREEK. | | | | | |
| J1345 | TL165 14E | ↘ | " | TILL | B 5" | " | F-M | " | | | | | |
| J1346 | TL125 14E | ↘ | " | TILL | B 4" | " | F-M | ORGANIC MOD, GRAVEL LOW. | | | | | |
| J1347 | TL125 12E | ↘ | " | TILL | E 3" | " | M | ORGANIC MOD, GRAVEL LOW, IN BUCKBRUSH. | | | | | |
| J1348 | TL125 10E | ↘ | MOUNTAIN SIDE | TILL | B 6" | " | M | GRASSY SLOPE, ORGANIC + GRAVEL MOD. | | | | | |
| J1349 | TL125 8E | ↘ | " | TILL | B 6" | " | M | " | | | | | |
| J1350 | TL125 6E | ↘ | " | TILL | B 5" | " | M | ORGANIC + GRAVEL LOW OLD SLOPE. | | | | | |
| J1351 | TL125 4E | ↘ | " | TILL | B 6" | " | M | IN BUCKBRUSH, SANDY, ORGANIC + GRAVEL LOW. | | | | | |
| J1352 | TL125 2E | ↘ | " | TILL | B 6" | " | M | " | | | | | |
| J1353 | TL85 2E | ↘ | " | TILL | B 8" | " | M | ROCKY SLOPE, ORGANIC LOW. | | | | | |
| J1354 | TL85 4E | ↘ | " | TILL | B 6" | " | M-C | IN BUCKBRUSH, LOW ORGANIC, GRAVEL HIGH. | | | | | |
| J1355 | TL85 6E | ↘ | " | TILL | B 5" | DARK BROWN | M-C | NEAR SLOPE, GRAVEL MOD. | | | | | |
| J1356 | TL85 8E | ↘ | " | TILL | B 7" | BROWN | M-C | " | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: J. MORITZ

 AREA: 75 C

 DATE: 29 JUNE 1971

 PROJECT: 1

 LOCATION REF.: BOULDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | |
|------------|----------|----------------|---------------|-----------|-----------------|-------------|---------|--|--------------------|--|--|--|
| | | | | | | | | | | | | |
| J1357 | TL85 10E | ✓ | MOUNTAIN SIDE | TILL | B 8" | BROWN | M-C | ORGANIC LOW, MUCH GRAVEL, IN BUCKERSH. | | | | |
| J1358 | TL85 12E | ✓ | " | " | B 5" | " | M-C | " | | | | |
| J1359 | TL85 14E | ✓ | " | " | B 5" | " | M-C | " | | | | |
| J1360 | TL45 14E | ✓ | " | " | B 6" | " | M-C | " | | | | |
| J1361 | TL44-00S | ✓ | " | " | B 3" | LIGHT BROWN | M-C | STEEP ROCKY SLOPE, SANDY, MUCH GRAVEL. | | | | |
| J1362 | TL44 2E | ✓ | " | " | B 4" | DARK BROWN | M | SOME GRAVEL, ORGANIC LOW, SANDY. | | | | |
| J1363 | TL44 4E | ✓ | " | " | B 5" | " | " | " | | | | |
| J1364 | TL44 6E | ✓ | " | " | B 7" | " | " | SOME GRAVEL, ORGANIC MOD., TALL SLOPE. | | | | |
| J1365 | TL44 8E | ✓ | " | " | B 5" | BROWN | M-C | ORGANIC LOW SANDY, LOW ORGANIC. | | | | |
| J1366 | TL44 10E | ✓ | " | " | B 2" | " | E-M | TALL SLOPE, GRAVEL MOD. | | | | |
| J1367 | TL44 12E | ✓ | " | " | B 4" | " | M-C | ORGANIC MOD. GRAVEL. | | | | |
| J1368 | TL44 14E | ✓ | " | " | B 3" | " | M-C | LOW ORGANIC. | | | | |
| J1369 | TL40 14E | ✓ | " | " | B 3" | " | C | " | | | | |
| J1370 | TL40 12E | ✓ | " | " | B 2" | " | C | MUCH GRAVEL, LOW ORGANIC, IN TILL. | | | | |
| J1371 | TL40 10E | ✓ | " | " | B 4" | " | C | " | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: J. MORITZ, L. JOHNSON

 AREA: AT B.C.

 DATE: 2 JULY 1971

 PROJECT: 101

 LOCATION REF: FOUNDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|-----------|----------------|---------------|-----------|-----------------|-------------|---------|--|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1372 | TL 40 2E | ✓ | MOUNTAIN SIDE | TILL | B 6" | BROWN | M | SOME GRAVEL, ORGANIC MOD, LITTLE SILT | | | | | |
| J1373 | TL 40 4E | ✓ | " | TILL | B 5" | DARK BROWN | M-C | MUCH GRAVEL, | | | | | |
| J1374 | TL 40 4E | ✓ | " | TILL | B 7" | BROWN | M-C | " | | | | | |
| J1375 | TL 40 2E | ✓ | " | TILL | B 5" | " | M-C | SANDY, MUCH GRAVEL, LOW ORGANIC | | | | | |
| J1376 | TL 40+005 | ✓ | " | TILL | B 4" | " | C | " | | | | | |
| J1377 | TL 42+005 | ✓ | " | TILL | B 2" | " | C | " | | | | | |
| J1378 | TL 38+005 | ✓ | " | TILL | B 3" | " | M-C | " | | | | | |
| J1379 | TL 36+005 | ✓ | " | TILL | B 6" | " | M-C | SANDY, GRAVEL, LOW ORGANIC | | | | | |
| J1380 | TL 36 2E | ✓ | " | TILL | B 4" | LIGHT BROWN | C | MOSTLY GRAVEL | | | | | |
| J1381 | TL 36 4E | ✓ | " | TILL | B 6" | BROWN | M-C | SANDY, GRAVEL, LOW ORGANIC | | | | | |
| J1382 | TL 36 6E | ✓ | " | TILL | B 5" | DARK BROWN | M-C | ORGANIC, MOD. SOME GRAVEL | | | | | |
| J1383 | TL 36 8E | ✓ | " | TILL | B 6" | BROWN | F-M | SOME ORGANIC, | | | | | |
| J1384 | TL 36 10E | ✓ | " | TILL | B 5" | DARK BROWN | M | LITTLE GRAVEL, STRONG ORGANIC, | | | | | |
| J1385 | TL 36 12E | ✓ | " | TILL | B 4" | BROWN | M-C | SOME GRAVEL, SANDY, GRAVEL, LITTLE ORGANIC | | | | | |
| J1386 | TL 36 14E | ✓ | " | TILL | B 5" | BROWN | M | SOME GRAVEL, SOME ORGANIC | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: C. ASPINALL

 AREA: BOULDER CREEK

 DATE: 30 JUNE 1971

 PROJECT: L1

 LOCATION REF.: STATION B.C.

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|-----------------|----------------|--------------|-----------|-----------------|------------|---------|--------------------------------|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1387 | L32+00 25+35 | ↘ | MOUNTAINOUS | TILL | B 6" | BROWN | C | CREEK BANK MATERIAL | | | | | |
| J1388 | L32+00 24+00 | ← | " | TILL | B 6" | BROWN | C | CREEK BANK MATERIAL | | | | | |
| J1389 | L32+00 22+00 | ← | " | SAND | B 6" | BROWN | C | " | | | | | |
| J1390 | L32+00 20+00 | ← | " | TILL | B 6" | BROWN | C | TILL, WITH FLASKEITE FRAGMENTS | | | | | |
| J1391 | L32+00 18+00 | ← | " | TILL | B 6" | BROWN | C | " | | | | | |
| J1392 | L32+00 16+00 | ← | " | TILL | B 6" | BROWN | C | " | | | | | |
| J1409 | L405 16E | ↗ | " | TILL | B 6" | BROWN | F-C | TAKEN ABOVE SHALL SLEEP | | | | | |
| J1410 | L405 14E | ↗ | " | TILL | B 6" | BROWN | F-C | ADJACENT TO TALLS | | | | | |
| J1411 | L405 12E | ↗ | " | TILL | B 6" | BROWN | F-C | TALLS PIECES | | | | | |
| J1412 | L405 10E | → | " | TILL | B 6" | BROWN | F-C | " " | | | | | |
| J1413 | L405 8E | → | " | TILL | B 6" | BROWN | F-C | ADJACENT TO SHALL SLEEP | | | | | |
| J1414 | L405 6E | → | " | TILL | B 6" | BROWN | F-C | NEAR BRAIDED CREEK | | | | | |
| J1415 | L405 4E | → | " | TILL | B 6" | DARK BROWN | F-C | GLASSIC CHIPS PRESENT | | | | | |
| J1416 | L405 2E | → | " | TILL | B 6" | BROWN | F-C | 2E IS 110" FROM BL 40+00 | | | | | |
| J1417 | L365 2E | → | " | TILL | B 4" | TAN | C | ADJACENT TO SLEEP | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR: C. ASPINALLAREA: ATLON B.C.DATE: 30 MARCH 1971PROJECT: 11LOCATION REF: BOUNDARY CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|------------|----------------|--------------|-----------|-----------------|---------------|---------|---|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1418 | L36S 4E | → | MOUNTAINOUS | TILL | B 6" | BROWN | F-C | GOPHER HOLE SAMPLE | | | | | |
| J1419 | L36S 6E | → | " | " | " | " | F-C | ORGANIC MOLD. | | | | | |
| J1420 | L36S 8E | → | " | " | " | BLACK | F-C | TAKEN 2 FT FROM 1/2" BOULDER ADJACENT TO SMALL CREEK | | | | | |
| J1421 | L36S 10E | → | " | " | " | BROWN | F-C | " | | | | | |
| J1422 | L36S 12E | ↗ | " | " | " | " | C | " | | | | | |
| J1423 | L36S 14E | ↗ | " | " | " | " | F-C | NEAR WATER TABLE | | | | | |
| J1424 | L36S 16E | ↗ | " | " | " | " | " | GOPHER HOLE SAMPLE | | | | | |
| J1425 | L36S 18E | ↗ | " | " | " | " | " | ALASKITE CAUS IN SAMPLE | | | | | |
| J1426 | L36S 20E | ↗ | " | " | " | " | " | " | | | | | |
| J1427 | L36S 22E | ↗ | " | " | " | " | " | ALASKITE FRAGMENTS, ORGANIC MOLD. | | | | | |
| J1428 | L36S 24E | ↗ | " | " | " | " | " | " | | | | | |
| J1429 | L36S 25+30 | ↗ | " | " | " | " | " | DISTANCE APPROXIMATE ONLY | | | | | |
| J1430 | T232 14E | ↘ | " | " | " | DARK BROWN | M1 | ORGANIC MOLD. SOME GRAVEL | | | | | |
| J1431 | T232 12E | ↗ | " | " | B 4" | " | F-M1 | GRAVEL + SOME ORGANIC | | | | | |
| J1440 | T232 10E | ↘ | " | " | B 3" | BROWN | M1 | SANDY AND ORGANIC. | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: J. MORITZ, J. VERLINDEN

 AREA: HTL B.C.

 DATE: 2 JULY 1971

 PROJECT: 1

 LOCATION REF.: TRAILER CAMP

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|-----------|----------------|--------------|-----------|-----------------|-------------|---------|------------------------------------|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1441 | TL 32 8E | ✓ | MOUNTAINOUS | TLL | B 4" | LIGHT BROWN | M | SANDY WITH SOME GRASS + ORGANIC | | | | | |
| J1442 | TL 32 6E | ✓ | " | " | B 3" | BROWN | M | ORGANIC, SOME GRAVEL | | | | | |
| J1443 | TL 32 4E | ✓ | " | " | B 4" | LIGHT BROWN | M-C | VERY SANDY, GRASS | | | | | |
| J1444 | TL 32 2E | ✓ | " | " | B 5" | BROWN | M | GRAVEL + ORGANIC | | | | | |
| J1445 | TL 34-035 | ✓ | " | " | B 4" | " | M | SANDY + ORGANIC | | | | | |
| J1446 | TL 30-035 | ✓ | " | " | B 6" | DARK BROWN | M-C | " " NEAR STREAM | | | | | |
| J1447 | TL 28 2E | ✓ | " | " | B 6" | BROWN | M | " | | | | | |
| J1448 | TL 28 4E | ✓ | " | " | B 4" | BROWN | M-C | ORGANIC, GRAVEL, SOME SAND | | | | | |
| J1449 | TL 28 6E | ✓ | " | " | B 5" | " | M | SANDY, SOME GRAVEL, LITTLE ORGANIC | | | | | |
| J1450 | BL 2+00N | ✓ | " | " | B 3" | " | M | SANDY, SOME GRAVEL, LITTLE ORGANIC | | | | | |
| J1451 | BL 4+00N | ✓ | " | " | " | LIGHT BROWN | M-C | SANDY + GRAVEL | | | | | |
| J1452 | L4N 2SW | ✓ | " | " | B 2" | BROWN | F | NO ORGANIC, ROCKY | | | | | |
| J1453 | L4N 4SW | ✓ | " | " | B 3" | " | F | LITTLE ORGANIC, ROCKY SLIPS | | | | | |
| J1454 | L4N 6SW | ✓ | " | " | B 1" | " | F | NO ORGANIC, ROCKY | | | | | |
| J1455 | L4N 8SW | ✓ | " | " | B 1" | " | F | NO ORGANIC, ROCKY | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: T. L. BRADY

 AREA: TILL B.C.

 DATE: 2 JULY 1971

 PROJECT: 11

 LOCATION REF: BRITISH COLUMBIA

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|----------|----------------|--------------|-----------|-----------------|-----------|---------|----------------------------------|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1456 | 14N 10W | → | MOUNTAINOUS | TILL | B 2" | DRY BROWN | F | ORGANIC SLIGHT ROCKY, BERRIED | | | | | |
| J1457 | 14N 10W | → | " | " | B 1" | BROWN | F-C | SNOW, SNOW COVERED TOP | | | | | |
| J1458 | 15N 14W | ↗ | " | " | B 3" | " | F | NO "A" HORIZON DETECTED | | | | | |
| J1459 | 18N 10W | ↗ | " | " | B 1" | " | F | NO "A" HORIZON DETECTED | | | | | |
| J1460 | 18N 20W | ↗ | " | " | B 1" | BROWN | F | ROCKY, NO ORGANIC | | | | | |
| J1461 | 18N 40W | ↗ | " | " | B 1" | " | F | ORGANIC SLIGHT | | | | | |
| J1462 | 14N 20E | ← | " | " | B 4" | BROWN | M-C | ROCKY, NO ORGANIC | | | | | |
| J1463 | 14N 40E | ← | " | " | B 4" | " | " | ROCKY, BERRIED | | | | | |
| J1470 | 14N 60E | ↙ | " | " | B 5" | " | " | ROCKY, BERRIED | | | | | |
| J1471 | 14N 80E | ↙ | " | " | B 7" | " | " | ROCKY, BERRIED | | | | | |
| J1472 | 14N 10E | ↙ | " | " | B 6" | " | " | MUCH GRANULE, SANDY | | | | | |
| J1473 | 14N 12E | ↙ | " | " | B 5" | " | " | LITTLE ORGANIC | | | | | |
| J1474 | 14N 16E | ↙ | " | " | B 6" | " | " | " | | | | | |
| J1475 | 18N 14E | ↙ | " | " | B 8" | " | C | " | | | | | |
| J1476 | 18N 12E | ↙ | " | " | B 3" | " | " | " | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: T. MORTON, J. VAN DER LINDEN

 AREA: STONING B.C.

 DATE: 2 JULY 1971

PROJECT: _____

 LOCATION REF: BRANDER SPRING

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|----------|----------------|--------------|-----------|-----------------|--------|---------|--|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1477 | L2N 1DE | ✓ | MOUNTAINOUS | TILL | B 5" | BROWN | C | GRAVEL, SANDY, ORGANIC MOD. | | | | | |
| J1478 | L2N 2SE | ✓ | " | " | B 3" | " | C | | | | | | |
| J1479 | L2N 1E | ✓ | " | " | B 4" | " | C | | | | | | |
| J1480 | L2N 4E | ✓ | " | " | B 3" | " | " | SANDY, GRAVEL LOW ORGANIC | | | | | |
| J1481 | L2N 2E | ✓ | " | " | B 5" | " | " | " | | | | | |
| J1482 | BL 24000 | ✓ | " | " | " | " | " | MUCH GRAVEL, ROUSE AREA | | | | | |
| J1483 | BL 6+00N | ✓ | " | " | " | " | " | ORGANIC MOD. | | | | | |
| J1484 | L2N 2W | ✓ | " | " | B 6" | " | M-C | " | | | | | |
| J1485 | L2N 4W | ✓ | " | " | B 5" | " | " | " | | | | | |
| J1501 | TLOS 1E | ✓ | " | " | B 7" | BROWN | F-C | GENTLE SLOPE ORGANIC SLIGHT | | | | | |
| J1502 | TLOS 1E | ✓ | " | " | B 4" | TEN | F | ORGANIC SLIGHT | | | | | |
| J1503 | TLOS 1E | ✓ | " | " | B 5" | BROWN | F-C | VERY ROCKY SOIL GENTLE SLOPE, SLIGHT | | | | | |
| J1504 | TLOS 1E | ✓ | " | " | B 4" | TEN | F | ORGANIC, SOME MINERAL PARTLY SOL, ORGANIC | | | | | |
| J1505 | TLOS 1E | ✓ | " | " | B 6" | BROWN | F-C | SLIGHT GENTLE SLOPE ORGANIC MOD, ROCKY | | | | | |
| J1506 | TLOS 1E | ✓ | " | " | B 2" | BROWN | F-C | SOIL AND A... | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: D. RICHMONDSON, J. H. ...

 AREA: ATLANTIC B.C.

 DATE: 2 JULY 1971

 PROJECT: 10

 LOCATION REF: 10-10-10

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|-----------|----------------|--------------|-----------|-----------------|--------|---------|--|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1507 | T145 2E | ↙ | MOUNTAINOUS | TILL | B 2" | BROWN | E | FROM CORNER HOOP, NO ORGANIC, STEEP SLOPE | | | | | |
| J1508 | T145 2E | ↙ | " | " | B 5" | BROWN | E-C | ORGANIC SLIGHT | | | | | |
| J1509 | T145 4E | ↙ | " | " | B 4" | BROWN | F | ORGANIC SLIGHT, GENTLE SLOPE | | | | | |
| J1510 | T145 6E | ↙ | " | " | B 5" | BROWN | M-C | PERLETT SOIL | | | | | |
| J1511 | T145 8E | ↙ | " | " | B 2" | BROWN | E-C | ORGANIC SLIGHT, NEAR CORNER HOOP, SLOPE | | | | | |
| J1512 | T145 10E | ↙ | " | " | B 2" | " | E-D | TEXTURE, ORGANIC, SLOPE | | | | | |
| J1513 | T145 12E | ↙ | " | " | B 4" | " | E | GENTLE SLOPE | | | | | |
| J1514 | T1205 13E | ↓ | " | " | B 5" | " | F | SEED BED | | | | | |
| J1515 | T1205 12E | ↙ | " | " | B 7" | " | E-C | ORGANIC SLIGHT, ROCKY | | | | | |
| J1516 | T1205 6E | ↗ | " | " | B 5" | " | M-C | ROCKY, ORGANIC, SLOPE | | | | | |
| J1517 | T1205 2E | ↗ | " | " | B 4" | " | E-C | ORGANIC SLIGHT | | | | | |
| J1518 | T1205 4E | ↗ | " | " | B 4" | BROWN | M-C | FROM WENT, NO ORGANIC, SLOPE, TEXTURE | | | | | |
| J1519 | T1205 4E | ↗ | " | " | B 5" | BROWN | E-C | ORGANIC SLIGHT, SLOPE | | | | | |
| J1520 | T1205 2E | ↙ | " | " | B 2" | " | F | NEAR CORNER HOOP, SLOPE | | | | | |
| J1521 | T1205 2E | ↗ | " | " | B 6" | " | " | NEAR CORNER HOOP, SLOPE | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: P. J. ...

 AREA: ...

 DATE: 2 July 1971

 PROJECT: ...

 LOCATION REF: ...

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|------------|----------------|--------------|-----------|-----------------|--------|---------|-----------------------------|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1522 | TL 245 4E | ↗ | LOUISIANA | TILL | B 3" | BROWN | F | SMALL DARK ... | | | | | |
| J1523 | TL 245 4E | ↗ | " | " | B 6" | " | F | HORIZONTAL ORGANIC SLIGHTLY | | | | | |
| J1524 | TL 245 4E | ↗ | " | " | B 5" | BROWN | F-F1 | ORGANIC SLIGHTLY SLIPPERY | | | | | |
| J1525 | TL 245 10E | ↗ | " | " | B 5" | " | F-F1 | ROCKY SOIL | | | | | |
| J1526 | TL 245 12E | ↗ | " | " | B 4" | " | F | ORGANIC SLIGHT | | | | | |
| J1527 | TL 245 16E | ↗ | " | " | B 4" | BROWN | F | ORGANIC SLIGHT | | | | | |
| J1528 | TL 285 14E | ↗ | " | " | B 6" | BROWN | F | ORGANIC SLIGHT | | | | | |
| J1529 | TL 285 12E | ↗ | " | " | B 4" | BROWN | F | ORGANIC SLIGHT | | | | | |
| J1530 | TL 285 10E | ↗ | " | " | B 4" | BROWN | F | ORGANIC SLIGHT | | | | | |
| J1531 | TL 285 8E | ↗ | " | " | B 2" | BROWN | F | ORGANIC SLIGHT | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: P. NICHOLSON, T. HAINES

 AREA: ATLANTIC B.C.

 DATE: 25 JUNE 1971

PROJECT: _____

 LOCATION REF.: BAULDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|----------|----------------|---------------|-----------|-----------------|----------------|---------|---|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1046 | L05 20E | → | MOUNTAIN SIDE | TILL | B 4" | BROWN | M-C | FROM MOUTH OF COPPER HOLE, NO ORGANIC | | | | | |
| J1047 | L05 18E | → | " | TILL | B 7" | BROWN | M-C | ROCKY SOIL, SLIGHT ORGANIC | | | | | |
| J1048 | L05 10E | → | " | TILL | B 3" | BROWN | M-C | VERY LITTLE "A" HORIZON ROCKY | | | | | |
| J1049 | L05 14E | → | " | TILL | B 4" | BROWN | F-C | ORGANIC MOD. ROCKY | | | | | |
| J1050 | L05 12E | → | " | TILL | B 3" | BROWN | F-C | NO "A" HORIZON SANDY SEDGAGE AREA, SLIGHT TO MOD. ORGANIC | | | | | |
| J1051 | L05 10E | → | " | TILL | B 3" | BROWN | F-C | SANDY, NO "A" HORIZON LITTLE "A" HORIZON | | | | | |
| J1052 | L05 8E | → | " | TILL | B 2" | BROWN | F-M | ORGANIC MOD. SANDY SLIGHT ORGANIC | | | | | |
| J1053 | L05 6E | → | " | TILL | B 4" | BROWN | F-C | ROCKY NO "A" HORIZON, SLIGHT | | | | | |
| J1054 | L05 4E | ↘ | " | TILL | B 4" | BROWN | F-M | ORGANIC, SANDY ORGANIC SLIGHT | | | | | |
| J1055 | L05 2E | ↘ | " | TILL | B 5" | BROWN LIGHT | F-C | SANDY RUN OFF AREA BELOW | | | | | |
| J1056 | BL 0+00 | ↘ | " | TILL | B 3" | BROWN | F | DEPOSITS, NO ORGANIC ROCKY | | | | | |
| J1057 | BL 2+00S | ↘ | " | TILL | B 4" | BROWN | M-C | SLIGHT ORGANIC | | | | | |
| J1058 | BL 4+00S | ↘ | " | TILL | B 3" | BROWN | F-C | ROCKY, STEEP SLOPE, LITTLE "A" HORIZON | | | | | |
| J1059 | L45 2E | ↘ | " | TILL | B 4" | BROWN | F-C | SANDY, ORGANIC SLIGHT | | | | | |
| | | | " | TILL | | | | | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: T. MORITZ

 AREA: ATLANTIC B.C.

 DATE: 25 JUNE 1971

PROJECT: _____

 LOCATION REF.: BOUNDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | |
|------------|----------|----------------|-------------------------|-----------|-----------------|--------|---------|---|--------------------|--|--|--|
| | | | | | | | | | | | | |
| J1109 | L4S 20W | SE ↙ | SIDE OF MOUNTAIN VALLEY | TILL | B 3" | BROWN | F-M | ROCKY, MOSSY SLOPE, MUCH GRAVEL IN SOIL ORGANIC LOW | | | | |
| J1110 | L4S 18W | SE ↙ | " | TILL | B 6" | BROWN | F-M | ROCK, MOSSY SLOPE, ORGANIC LOW SANDY SOIL | | | | |
| J1111 | L4S 16W | SW ↙ | " | TILL | B 4" | BROWN | F-M | SANDY, ORGANIC LOW SOME GRAVEL. | | | | |
| J1112 | L4S 14W | SW ↙ | " | TILL | B 4" | BROWN | M | " | | | | |
| J1113 | L4S 12 | S ↙ | " | TILL | B 3" | BROWN | F-M | " | | | | |
| J1114 | L4S 10 | S ↙ | " | TILL | B 3" | BROWN | F-M | ROCKY, TALUS SLOPE, SAMPLE FROM SMALL CLEARING. | | | | |
| J1115 | L4S 8 | S ↙ | " | TILL | B 2" | BROWN | M | VERY STEEP TALUS SLOPE, MUCH GRAVEL. | | | | |
| J1116 | L4S 6 | S ↙ | " | TILL | B 4" | BROWN | M | STEEP TALUS SLOPE, NO GRAVEL. | | | | |
| J1118 | L4S 4W | S ↙ | " | TILL | B 6" | BROWN | M-C | STEEP TALUS SLOPE, WITH MUCH SMALL GRAVEL. | | | | |
| J1117 | L4S 2W | S ↙ | " | TILL | B 6" | BROWN | M-C | STEEP GRASSY SLOPE MUCH GRAVEL. | | | | |
| J1119 | B.L 600S | SW ↙ | " | TILL | B 6" | BROWN | M-C | TALUS, MUCH GRAVEL | | | | |
| J1120 | B.L 800S | SW ↙ | " | TILL | B 6" | BROWN | M-C | GRASSY SLOPE, MUCH GRAVEL. | | | | |
| J1121 | L8S 2W | SW ↙ | " | TILL | B 5" | BROWN | C | TALUS + RUN-OFF STRIPS MUCH GRAVEL. | | | | |
| J1122 | L8S 4W | S ↙ | " | TILL | B 5" | BROWN | C | " | | | | |
| J1123 | L8S 6W | S ↙ | " | TILL | B 5" | BROWN | C | " | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: I. MORITZ, D. NICHOLSON, J. HANSEN

 AREA: ATLANTIC B.C.

 DATE: 25 JUNE 1971

PROJECT: _____

 LOCATION REF.: BORDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|----------|----------------|-------------------------|-----------|-----------------|------------|---------|---|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1124 | 18S 8W | ↙ S | SIDE OF MOUNTAIN VALLEY | TILL | B 6" | BROWN | C | TALUS SLOPE MUCH GRAVEL. | | | | | |
| J1125 | 18S 10W | ↙ S | " | TILL | B 3" | TAN | M | " | | | | | |
| J1126 | 18S 12W | ↙ S | " | TILL | B 6" | BROWN | M | TALUS SLOPE ORGANIC LOW | | | | | |
| J1127 | 18S 14W | ↘ SW | " | TILL | B 6" | BROWN | C | " | | | | | |
| J1128 | 18S 16W | ↘ SW | " | TILL | B 4" | BROWN | M-C | TALUS SLOPE, BESIDE CREEK BED. | | | | | |
| J1129 | 18S 18W | ↘ SW | " | TILL | B 2" | BROWN | C | ROCKY AREA, MUCH GRAVEL | | | | | |
| J1130 | 18S 20W | ↘ SW | " | TILL | B 6" | BROWN | M-C | GRASSY OPENING, WET AREA. | | | | | |
| J1131 | 12S 26E | ↘ SE | " | TILL | B 3" | DARK BROWN | F-M | GRASSY ROCKY SLOPE HIGH ORGANIC | | | | | |
| J1132 | 12S 24E | ↘ SE | " | TILL | B 4" | DARK BROWN | F-M | " | | | | | |
| J1133 | 14S 4E | ↙ | " | TILL | B 2" | BROWN | F-M | NO "A" HORIZON, SLIGHT ORGANIC. | | | | | |
| J1134 | 14S 6E | → | " | TILL | B 3" | BROWN | F-C | NO "A" HORIZON ROCKY | | | | | |
| J1135 | 14S 8E | ↘ | " | TILL | B 3" | BROWN | F-M | LITTLE "A" HORIZON ORGANIC SLIGHT-MOD. | | | | | |
| J1136 | 14S 10E | ↘ | " | TILL | B 5" | BROWN | F-M | ORGANIC SLIGHT, SANDY. | | | | | |
| J1137 | 14S 12E | ↘ | " | TILL | B 4" | BROWN | F-C | ORGANIC SLIGHT, SEEWAGE AREA, SANDY. | | | | | |
| J1138 | 14S 14E | ↘ | " | TILL | B 3" | BROWN | F-C | ROCKY, SLIGHT ORGANIC. | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: P. NICHOLSON, J. HANSEN

 AREA: FIELD TR. C.

 DATE: 25 JUNE 1971

PROJECT: _____

 LOCATION REF.: POUNDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|----------|----------------|-------------------------|-----------|-----------------|------------|---------|---|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1139 | L4S 11E | ↓ | SIDE OF MOUNTAIN VALLEY | TILL | B 5" | DARK BROWN | F-M | VERY ORGANIC FEW PEBBLES. | | | | | |
| J1140 | L4S 18E | → | " | TILL | B 2" | BROWN | F-C | SEEPAGE AND CUPHER HOLE NO "A" HORIZON | | | | | |
| J1141 | L4S 20E | ↓ | " | TILL | B 3" | BROWN | F-C | SEEPAGE AREA, SANDY, NO "A" HORIZON OR ORGANIC | | | | | |
| J1142 | L8S 20E | → | " | TILL | B 3" | BROWN | F-M | SANDY, SLIGHT ORGANIC. SMALL SEEP. | | | | | |
| J1143 | L8S 18E | → | " | TILL | B 6" | BROWN | F-M | SANDY, NO ORGANIC, NO "A" HORIZON | | | | | |
| J1144 | L8S 16E | → | " | TILL | B 2" | BROWN | F | FLAT SEEPAGE AREA FLAT AREA, NO "B" HORIZON | | | | | |
| J1145 | L8S 14E | → | " | TILL | B 4" | BROWN | F | NO ORGANIC. | | | | | |
| J1146 | L8S 12E | → | " | TILL | B 10" | BROWN | F | SANDY, NO ORGANIC GENTLE SLOPE. | | | | | |
| J1147 | L8S 10E | → | " | TILL | B 3" | BROWN | F | SLIGHT ORGANIC GENTLE SLOPE. | | | | | |
| J1148 | L8S 8E | ↓ | " | TILL | B 10" | BROWN | F | ROCKY, SLIGHT ORGANIC. | | | | | |
| J1149 | L8S 6E | ← | " | TILL | B 4" | BROWN | F | SLIGHT ORGANIC, NEAR TOP OF RIDGE. | | | | | |
| J1150 | L8S 4E | ← | " | TILL | B 4" | BROWN | F | ORGANIC SLIGHT, SANDY WET "RUNOFF" AREA. | | | | | |
| J1151 | L8S 2E | ← | " | TILL | B 4" | BROWN | F-C | SANDY, NO ORGANIC STEEP SLOPE. | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR: _____

AREA: _____

DATE: _____

PROJECT: _____

LOCATION REF.: _____

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|-----------------------|----------------|---------------------------------|-----------|-----------------|--------|---------|--|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1152 | 26+00E T.L. 2+00S | ↓ | MOUNTAIN SIDE | TILL | B-7" | BROWN | F | NO 'A' HORIZON. MANY TALLS SLOPE. ROCKY SOIL. ORGANIC SLIGHT. | | | | | |
| J1153 | 26+00E T.L. 6+00S | ↓ | " | TILL | B-4" | " | F | NO 'A' HORIZON. ORGANIC SLIGHT. PEBBLY SOIL. | | | | | |
| J1154 | 26+00E T.L. 10+00S | ↓ | " | TILL | B-5" | " | F | AS ABOVE. | | | | | |
| J1155 | 26+00E T.L. 14+00S | ↓ | " | TILL | B-6" | " | F-C | ROCKY SOIL. NO 'A' HORIZON. ORGANIC SLIGHT. GENTLE SLOPE. | | | | | |
| J1156 | L 28+00S 26+00E | ↓ | SLIGHT HOLLOW. RUN-OFF AREA. | TILL | B-5" | TAN | F | WET AREA. 'A' HORIZON PRESENT. RUN-OFF AREA. | | | | | |
| J1157 | L 28+00S 24+00E | ↓ | MOUNTAIN SIDE | TILL | B-7" | BROWN | F | ROCKY SOIL. LITTLE 'A' HORIZON SLIGHTLY ORGANIC. OPEN AREA. | | | | | |
| J1158 | L 28+00S 22+00E | ↘ | " | TILL | B-6" | " | F | SLIGHT ORGANIC. OPEN AREA. GENTLE SLOPE. | | | | | |
| J1159 | L 28+00S 20+00E | ↘ | " | TILL | B-7" | " | M-C | SEEPAGE AREA. SANDY SOIL. 'A' HORIZON. NO ORGANIC. | | | | | |
| J1160 | L 28+00S 18+00E | ↘ | " | TILL | B-2" | " | F-M | FROM MOUTH OF GOPHER HOLE. NO ORGANIC. | | | | | |
| J1161 | L 28+00S 16+00E | ↘ | " | TILL | B-3" | " | F-M | NO 'A' HORIZON. LOOKS LIKE SMALL DRY SEEP. ORGANIC SLIGHT. | | | | | |
| J1162 | L 28+00S 14+00E | ↘ | " | TILL | B-4" | " | F-C | AS ABOVE. | | | | | |
| J1163 | L 28+00S 12+00E | ↘ | " | TILL | B-6" | " | M-C | SANDY SOIL. ROCKY AREA. ORGANIC SLIGHT. | | | | | |
| J1164 | L 20+00S 0+00W | ↓ | " | TILL | B-6" | " | C | ADJACENT TO CREEK. | | | | | |
| J1165 | L 20+00S 1+00W | ↓ | " | TILL | B-6" | " | F-C | ORGANIC MATERIAL. | | | | | |
| J1166 | L 20+00S 2+00W | ↓ | " | TILL | B-6" | " | F-C | ORGANIC MATERIAL. | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: CUVE ASPINALL

 AREA: ATLIN

 DATE: 30 JUNE 1971

 PROJECT: 61

 LOCATION REF.: BOWLDER CREEK.

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|----------------------|----------------|--------------|----------------|----------------------|-----------------|---------|---|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J11687 | B.L. 44+00 S 0+00 | → | MOUNTAINOUS | TILL | B-6" | BROWN | F-M | TAKEN FROM SMALL TILL DEPOSIT IN TALUS. | | | | | |
| J1168 | L 44+00 S 2+00 E | → | " | TILL | B-6" | BLACK | F-C | SAMPLE TAKEN IN SMALL GULLY. | | | | | |
| J1169 | L 44+00 S 4+00 E | → | " | TILL | B-6" | BROWN | F-C | GOOD DEAL ALASKITE FRAGMENTS. | | | | | |
| J1170 | L 44+00 S 6+00 E | → | " | TILL | B-6" | BROWN- BLACK | F-C | AS ABOVE. | | | | | |
| J1171 | L 44+00 S 8+00 E | → | " | TILL | SURFACE MATERIAL. | BLACK | F-C | TAKEN ON TALUS, SURFACE MATERIAL. | | | | | |
| J1172 | L 44+00 S 10+00 E | → | " | TILL | B-6" | BROWN | F-C | GOOD DEAL ALASKITE FRAGMENTS BELOW TALUS. | | | | | |
| J1173 | L 44+00 S 12+00 E | ↗ | " | TILL | B-6" | " | F-C | AS ABOVE. | | | | | |
| J1174 | L 44+00 S 14+00 E | ↗ | " | TILL | B-6" | " | F-C | TALUS BOULDERS SCATTERED IN VICINITY. | | | | | |
| J1175 | L 44+00 S 16+00 E | ↗ | " | TILL | B-6" | " | F-C | TAKEN ADJACENT TO TALUS PILE. | | | | | |
| J1176 | L 44+00 S 18+00 E | ↗ | " | TILL | B-6" | " | F-C | AS ABOVE. | | | | | |
| J1177 | L 44+00 S 20+00 E | ↗ | " | TILL | B-6" | DARK BROWN | F-C | AS ABOVE. | | | | | |
| J1178 | L 44+00 S 22+00 E | ↗ | " | TILL + SAND | B-6" | BROWN | M-C | TAKEN NEAR SEEP. | | | | | |
| J1179 | L 44+00 S 24+00 E | ↗ | " | TILL | B-6" | " | M-C | TAKEN ADJACENT TO CREEK. | | | | | |
| J1180 | L 44+00 S 25+15 E | ↗ | " | TILL | B-6" | " | M-C | DISTANCES APPROXIMATED. | | | | | |
| | AT T.L. 21+35 S | | | | | | | | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR: CLIVE ASPINALLAREA: ATLINDATE: 30 JUNE 1971PROJECT: 61LOCATION REF.: BOULDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|--------------------|----------------|--------------|-----------|-----------------|--------|---------|--|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1181 | T.L. 28+00S | ↗ | MOUNTAINOUS | TILL | B-4" | BROWN | F-C | SAMPLE TAKEN ADJACENT TO STREAM. | | | | | |
| J1182 | L 40+00S 24+00E | ↗ | " | TILL | B-6" | " | F-C | ALASKITE FRAGMENTS ASSOCIATED WITH SAMPLE. | | | | | |
| J1183 | L 40+00S 22+00E | ↗ | " | TILL | B-6" | " | F-C | AS ABOVE | | | | | |
| J1184 | L 40+00S 20+00E | ↗ | " | TILL | B-6" | " | F-C | AS ABOVE | | | | | |
| J1185 | L 40+00S 18+00E | ↗ | " | TILL | B-6" | BLACK. | F-C | / | | | | | |
| J1186 | L 0+00 20+00W | ↓ | " | TILL | A+B 1'-6" | BROWN | F-C | SAMPLE TAKEN A FEW FEET ABOVE ROAD. | | | | | |
| J1187 | L 0+00 18+50W | ↘ | " | TILL | A+B 6" | " | F-C | SAMPLE TAKEN IN GULLY BELOW RUSTED ZONE. | | | | | |
| J1188 | L 0+00 16+00W | ↘ | " | TILL | A+B 6" | " | F-C | SAMPLE TAKEN ON SMALL RIDGE. | | | | | |
| J1189 | L 0+00 13+00W | ↘ | " | TILL | A+B 6" | " | F-C | SAMPLE TAKEN ON TALLS SLOPE. | | | | | |
| J1190 | L 0+00 12+00W | ↘ | " | TILL | A+B 6" | " | F-C | AS ABOVE. | | | | | |
| J1191 | L 0+00 10+00W | ↘ | " | TILL | A+B 6" | " | F-C | ORGANIC MATERIAL PRESENT. | | | | | |
| J1192 | L 0+00 8+00W | ↘ | " | TILL | A+B 6" | " | F-C | AS ABOVE. | | | | | |
| J1193 | L 0+00 6+50W | ↘ | " | TILL | B-6" | " | F-C | AS ABOVE | | | | | |
| J1194 | L 0+00 5+00W | ↘ | " | TILL | A+B 6" | " | F-C | AS ABOVE. | | | | | |
| J1195 | L 0+00 2+00W | ↘ | " | TILL | A+B 6" | " | F-C | AS ABOVE. | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: CLIVE ASPINALL

 AREA: ATLIN

 DATE: 28 JUNE 1971

 PROJECT: 61

 LOCATION REF.: BOWDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | |
|------------|-------------------|----------------|--------------|-----------|-----------------|-----------|---------|-------------------------------|--------------------|--|--|--|
| | | | | | | | | | | | | |
| J1196 | L0+00 0+00W | ↙ | MOUNTAINOUS | TILL | B-6" | BROWN | F-C | VERY LITTLE ORGANIC MATERIAL. | | | | |
| J1197 | L12+00S 0+00W | ↙ | " | TILL | A+B 6" | " | F-C | TILL WITH ALASKITE CHIPS. | | | | |
| J1198 | L12+00S 2+00W | ↙ | " | TILL | A+B 6" | " | F-C | AS ABOVE | | | | |
| J1199 | L12+00S 4+00W | ↙ | " | TILL | A+B 6" | " | F-C | AS ABOVE | | | | |
| J1200 | L12+00S 6+00W | ↙ | " | TILL | A+B 6" | BLACK | F | ORGANIC MATERIAL PRESENT. | | | | |
| J1201 | L12+00S 8+00W | ↙ | " | TILL | A+B 6" | BROWN | F | AS ABOVE. | | | | |
| J1202 | L12+00S 10+00W | ↙ | " | TILL | A+B 6" | " | F-C | AS ABOVE | | | | |
| J1203 | L12+00S 12+00W | ↙ | " | TILL | A+B 6" | " | F-C | AS ABOVE | | | | |
| J1204 | L12+00S 14+00W | ↙ | " | TILL | A+B 6" | " | F-C | AS ABOVE | | | | |
| J1205 | L12+00S 16+00W | ↙ | " | TILL | A+B 6" | " | F-C | AS ABOVE | | | | |
| J1206 | L12+00S 18+00W | ↙ | " | TILL | A+B 6" | " | F-C | AS ABOVE | | | | |
| J1207 | L12+00S 20+00W | ↙ | " | TILL | B-6" | BROWN-TAN | M | FINE RUN OFF SAND. | | | | |
| J1208 | L16+00S 20+00W | ↙ | " | TILL | B-6" | BROWN | F-C | SOME ORGANIC MATERIAL | | | | |
| J1209 | L16+00S 17+50W | ↙ | " | TILL | B-6" | " | F-C | AS ABOVE | | | | |
| J1210 | L16+00S 16+00W | ↙ | " | TILL | B-6" | " | F-C | AS ABOVE. | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: CLIVE ASPINALL

 AREA: ATLIN

 DATE: 28 JUNE 1971

 PROJECT: 61

 LOCATION REF.: BOULDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|-------------------|----------------|--------------|-----------|-----------------|--------|---------|--------------------------------|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1211 | L16+00S 14+00W | ↙ | MOUNTAINOUS | TILL | B-6" | BROWN | F-C | SOME ORGANIC MATERIAL. | | | | | |
| J1212 | L16+00S 12+00W | ↙ | " | TILL | B-6" | " | F-C | BELOW TALKS SLOPE | | | | | |
| J1213 | L16+00S 10+00W | ↙ | " | TILL | B-6" | " | F-C | SOME ORGANIC MATERIAL PRESENT. | | | | | |
| J1214 | L16+00S 8+00W | ↙ | " | TILL | B-6" | " | F-C | AS ABOVE | | | | | |
| J1215 | L16+00S 6+00W | ↓ | " | TILL | B-6" | " | F-C | AS ABOVE | | | | | |
| J1216 | L16+00S 4+00W | ↓ | " | TILL | B-6" | " | F-C | AS ABOVE | | | | | |
| J1217 | L16+00S 2+00W | ↓ | " | TILL SAND | B-6" | " | C | AS ABOVE. | | | | | |
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CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: J. MORITZ

 AREA: ST. LAWRENCE R.C.

 DATE: 28 JUNE 1971

PROJECT: _____

 LOCATION REF: TRAIL DIST. GRID

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | |
|------------|-------------|----------------|-------------------------|-----------|-----------------|------------|---------|---------------------------------------|--------------------|--|--|--|
| | | | | | | | | | | | | |
| J1218 | L125 22E | ↘ SE | SIDE OF MOUNTAIN VALLEY | TILL | B 4" | BROWN | F-M | GRASSY ROCKY SLOPE, ORGANIC MODERATE. | | | | |
| J1219 | L125 20E | ↘ SE | PLATEAU ON HILL TOP | TILL | B 6" | DARK BROWN | F-C | MUCH GRAVEL, ORGANIC HIGH, SANDY. | | | | |
| J1220 | L125 18E | → S | " | TILL | B 4" | BROWN | M | HIGH ORGANIC. | | | | |
| J1221 | L125 16E | → S | " | TILL | B 4" | BROWN | F-C | HIGH ORGANIC, GRAVEL. | | | | |
| J1222 | L125 14E | → S | " | TILL | B 4" | BROWN | F-C | " | | | | |
| J1223 | L125 12E | → S | " | TILL | B 4" | BROWN | F-C | SANDY, ORGANIC MOD. | | | | |
| J1224 | L125 10E | → S | " | TILL | B 6" | BROWN | M-C | MUCH GRAVEL, SANDS, ORGANIC LOW MOD. | | | | |
| J1225 | L125 8E | → S | SIDE OF MTN. VALLEY | TILL | B 4" | BROWN | M-C | " | | | | |
| J1226 | L125 6E | ↙ SW | " | TILL | B 6" | BROWN | M-C | " | | | | |
| J1227 | L125 4E | ↙ SW | " | TILL | B 2" | BROWN | M-C | " | | | | |
| J1228 | L125 2E | ↙ S | " | TILL | B 4" | BROWN | F-M | " | | | | |
| J1229 | B.L. 14+00S | ↙ S | FLOOR OF VALLEY | TILL | B 6" | BROWN | M-C | " | | | | |
| J1230 | B.L. 16+00S | ↙ S | " | TILL | B 6" | BROWN | M-C | " | | | | |
| J1231 | L125 2E | ↙ S | SIDE OF MTN. VALLEY | TILL | B 4" | BROWN | M-C | SANDY, MUCH GRAVEL SNOW COVERED TILL. | | | | |
| J1232 | L125 4E | ↙ S | " | TILL | B 4" | BROWN | M-C | ORGANIC LOW, MUCH GRAVEL, SANDS. | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: J. MORITZ

 AREA: ST. JOHN'S B.C.

 DATE: 22 JUNE 1971

PROJECT: _____

 LOCATION REF: BOUNDARY OFF.

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|----------|----------------|--------------------|-----------|-----------------|--------|---------|---|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1233 | L165 6E | ↙ SW | SIDE OF MTN VALLEY | TILL | B 4" | BROWN | M-C | MUCH GRAVEL, SANDY ORGANIC LOW | | | | | |
| J1234 | L165 8E | ↙ S | " | " | B 4" | BROWN | M-C | " | | | | | |
| J1235 | L165 10E | ↙ S | " | " | B 4" | BROWN | M-C | " | | | | | |
| J1236 | L165 12E | ↙ S | " | " | B 6" | BROWN | M-C | GRASSY SLOPE, SANDY MUCH GRAVEL, ORGANIC MOD. | | | | | |
| J1237 | L165 14E | ↙ S | " | " | B 6" | BROWN | M-C | " GRAVEL | | | | | |
| J1238 | L165 16E | ↙ S | " | " | B 4" | BROWN | M-C | SANDY, ORGANIC MOD. MUCH GRAVEL, GRAVEL SLOPE | | | | | |
| J1239 | L165 18E | ↙ SE | " | " | B 5" | BROWN | M-C | ROCKY, GRASSY, SLOPE, MUCH GRAVEL, SANDY | | | | | |
| J1240 | L165 20E | ↙ SE | " | " | B 5" | BROWN | M-C | " | | | | | |
| J1241 | L165 22E | ↙ SE | " | " | B 4" | BROWN | M | LARGE TALUS SLOPE, ORGANIC MOD. | | | | | |
| J1242 | L165 24E | ↙ E | " | " | B 2" | BROWN | M | TALUS, ORGANIC MOD, LOW ON GRAVEL | | | | | |
| J1243 | L165 26E | ↙ E | " | " | B 6" | BROWN | M | BOTTOM OF TALUS SLOPE, SOME GRAVEL | | | | | |
| J1244 | L205 28E | ↙ E | " | " | B 4" | BROWN | M | BOTTOM OF TALUS ORGANIC LOW | | | | | |
| J1245 | L205 20E | ↙ SW | " | " | B 5" | BROWN | M | " | | | | | |
| J1246 | L205 22E | ↙ SW | " | " | B 5" | BROWN | M-C | " | | | | | |
| J1247 | L205 24E | ↙ SW | " | " | B 3" | BROWN | M-C | MUCH GRAVEL, ORGANIC MOD. | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR: J. MORITZAREA: ATLANTIC B.C.DATE: 28 JUNE 1971

PROJECT: _____

LOCATION REF: BOULDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|-----------|----------------|---------------------|-----------|-----------------|--------|---------|-------------------------------------|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1248 | 1205 12E | ↙ SW | SIDE OF MTN. VALLEY | TILL | B 4" | BROWN | M-C | MUCH GRAVEL, GRASSY, ROCKY SLOPE | | | | | |
| J1249 | 1205 16E | ↙ SW | " | TILL | B 3" | BROWN | C | " | | | | | |
| J1250 | 1205 14E | ↙ SW | " | TILL | B 2" | BROWN | C | GRASSY SLOPE, NEAR CREEK | | | | | |
| J1251 | 1205 12E | ↙ SW | " | TILL | B 5" | BROWN | M | SOME GRAVEL, ORGANIC LOW | | | | | |
| J1252 | 1205 10E | ↙ SW | " | TILL | B 6" | BROWN | M-C | " | | | | | |
| J1253 | 1205 8E | ↙ SW | " | TILL | B 4" | BROWN | M-C | " | | | | | |
| J1254 | 1205 6E | ↙ SW | " | TILL | B 5" | BROWN | M-C | GRASSY, ROCKY SLOPE ORGANIC LOW | | | | | |
| J1255 | 1205 4E | ↙ N | " | TILL | B 4" | BROWN | M-C | " | | | | | |
| J1256 | 1205 2E | ↙ N | " | TILL | B 6" | BROWN | M-C | " | | | | | |
| J1257 | B) 20400S | ↙ N | FLOOR OF VALLEY | TILL | B 3" | BROWN | M-C | " | | | | | |
| J1258 | B) 22400S | ↙ N | " | TILL | B 4" | BROWN | M-C | NEAR CREEK MUCH GRAVEL | | | | | |
| J1259 | B) 24400S | ↙ N | " | TILL | B 2" | BROWN | M | NEAR CREEK SOME GRAVEL | | | | | |
| J1260 | 124 2E | ↙ S | " | TILL | B 2" | BROWN | M | " | | | | | |
| J1261 | 124 4E | ↙ SE | SIDE OF MTN. VALLEY | TILL | B 4" | BROWN | M-C | GRASSY, ROCKY SLOPE | | | | | |
| J1262 | 124 6E | ↙ SE | " | TILL | B 4" | BROWN | M-C | MUCH GRAVEL, ORGANIC | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

COLLECTOR: J. MORITZAREA: WILSON B.C.DATE: 22 JUNE 1971

PROJECT: _____

LOCATION REF.: BOULDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | |
|------------|--------------------|----------------|---------------------|-----------|-----------------|---------------|---------|---|--------------------|--|--|--|
| | | | | | | | | | | | | |
| J1263 | 1245 8E | ↘ SE | SIDE OF MTN. VALLEY | TILL | B 4" | BROWN | M-C | GRASSY SLOPE, MUCH GRAVEL. | | | | |
| J1264 | 1245 10E | ↘ SE | " | TILL | B 6" | BROWN | C | " | | | | |
| J1265 | 1245 12E | ↘ SE | " | TILL | B 4" | BROWN DARK | M-C | NEAR BUCKERBUSH, ROCKY GRASSY SLOPE, MUCH GRAVEL. | | | | |
| J1266 | 1245 14E | ↘ SE | " | TILL | B 4" | BROWN | M-C | MUCH GRAVEL. | | | | |
| J1267 | 1245 16E | ↘ SE | " | TILL | B 6" | BROWN | M-C | MUCH ORGANIC. | | | | |
| J1268 | 1245 18E | ↘ SE | " | TILL | B 8" | BROWN | M-C | | | | | |
| J1269 | 1245 20E | ↘ SE | " | TILL | B 4" | BROWN | M-C | NEAR RUNOFF STREAM ROCKY TILUS SLOPE | | | | |
| J1270 | 1245 22E | ↘ SE | " | TILL | B 4" | BROWN | M-C | MUCH GRAVEL. | | | | |
| J1271 | 1245 24E | ↘ SE | " | TILL | B 4" | BROWN | M | ILL BUCKERBUSH. | | | | |
| J1272 | 1245 26E | ↘ SE | " | TILL | B 4" | BROWN | M-C | NEAR STREAM. EDGE OF Gopher HOLE | | | | |
| J1276 | L 28+00S 10+00E | ↙ | " | TILL | B-3" | " | F-C | SMALL DRY SEEP ROCKY SOIL. NO 'A' HORIZON. | | | | |
| J1277 | L 28+00S 8+00E | ↙ | " | TILL | B-2" | " | F-M | FROM MOUTH OF GOPHER HOLE. OPEN AREA. GENTLE SLOPE. NO ORGANIC. | | | | |
| J1278 | L 28+00S 6+00E | ↙ | " | TILL | B-2" | " | F-M | SANDY SOIL. SLIGHT ORGANIC. OPEN AREA. GENTLE SLOPE. | | | | |
| J1279 | L 28+00S 4+00E | ← | SIDE OF CREEK | TILL | B-2" | " | F | FROM MOUTH OF GOPHER HOLE. TOP OF CREEK BANK. | | | | |
| J1280 | L 28+00S 2+00E | ↓ | " | TILL | B-6" | " | F | ROCKY SOIL. 5 FEET FROM CREEK. SLIGHT ORGANIC. | | | | |

CANADIAN JOHN MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: P. NICHOLSON
T. HANSEN

 AREA: ATLIN

 DATE: 29 JUNE 1971

 PROJECT: 61

 LOCATION REF.: BOULDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|-------------------|----------------|----------------|-----------|-----------------|-------------|---------|---|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1281 | B.L. 28+00S | ↘ | SIDE OF CREEK. | TILL | B-5" | BROWN | F | SOME PEBBLES. ORGANIC SLIGHT FROM TOP OF CREEK BANK. | | | | | |
| J1282 | BL. 26+00S | ↙ | MOUNTAIN SIDE | TILL | B-3" | " | F | ROCKY SOIL. FLAT AREA BETWEEN TWO CREEKS. ORGANIC SLIGHT. | | | | | |
| J1283 | L24+00S 2+00W | ↙ | " | TILL | B-6" | " | F | SANDY SOIL. VERY SLIGHT ORGANIC. VERY LITTLE 'A' HORIZON. | | | | | |
| J1284 | L24+00S 4+00W | ↙ | " | TILL | B-6" | " | M-C | ROCKY-SANDY SOIL. ORGANIC SLIGHT. | | | | | |
| J1285 | L24+00S 6+00W | ↙ | " | TILL | B-8" | BLACK-BROWN | M | VERY DARK SOIL. SLIGHT ORGANIC. | | | | | |
| J1286 | L24+00S 8+00W | ↙ | " | TILL | B-3" | BROWN | F-M | SANDY SOIL WASHED OUT FROM UNDER BOULDER. SLIGHT ORGANIC. | | | | | |
| J1287 | L24+00S 10+00W | ↙ | " | TILL | B-6" | " | F | SOME PEBBLES IN SOIL. ORGANIC SLIGHT. | | | | | |
| J1288 | L24+00S 12+00W | ↙ | " | TILL | B-4" | " | F-C | TALUS AREA VERY ROCKY SOIL. ORGANIC SLIGHT. | | | | | |
| J1289 | L24+00S 14+00W | ↔ | " | TILL | B-1" | " | F | TALUS AREA. SOIL WASHED FROM BENEATH BOULDERS. | | | | | |
| J1290 | L28+00S 14+00W | ↘ | " | TILL | B-3" | " | F-C | AS ABOVE | | | | | |
| J1291 | L28+00S 12+00W | ↘ | " | TILL | B-4" | " | F | GOPHER HOLE MOUTH. TALUS AREA. ORGANIC SLIGHT. | | | | | |
| J1292 | L28+00S 10+00W | ↘ | " | TILL | B-3" | " | F | GRASSY AREA IN TALUS. ORGANIC SLIGHT. | | | | | |
| J1293 | L28+00S 8+00W | ↘ | " | TILL | B-2" | " | F | AS ABOVE. | | | | | |
| J1294 | L28+00S 6+00W | ↘ | " | TILL | B-6" | " | F-M | SANDY SOIL WASHED FROM UNDER BOULDERS IN TALUS. NO ORGANIC. | | | | | |
| J1295 | L28+00S 4+00W | ↘ | " | TILL | B-5" | " | F | SMALL DRY CREEK. SOME ROCKS IN SOIL. NO ORGANIC. | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: P. NICHOLSON
T. HANSEN

 AREA: ATLIN

 DATE: 29 JUNE 1971

 PROJECT: G1

 LOCATION REF.: BOULDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|-------------------|----------------|--------------|-----------|-----------------|--------|---------|---|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1296 | L 28+00S 2+00W | ↘ | MOUNTAINSIDE | TILL | B-6" | GREY | M-C | ROCKY SOIL. ORGANIC MODERATE. SANDY TEXTURE. | | | | | |
| J1297 | B.L. 30+00S | ↘ | " | TILL | B-4" | BROWN | F | ORGANIC MODERATE. GRASSY AREA. | | | | | |
| J1298 | B.L. 32+00S | ↘ | " | TILL | B-6" | GREY | F-C | ROCKY FROZEN GROUND BETWEEN SMALL 'RUN OFF' CREEKS. | | | | | |
| J1299 | L32+00S 2+00W | ↘ | " | TILL | B-4" | BROWN | F | ORGANIC MODERATE. FROM BANK OF SMALL STREAM. | | | | | |
| J1300 | L32+00S 4+00W | ↘ | " | TILL | B-3" | " | F | SMALL DRY SEEP. NO ORGANIC | | | | | |
| J1301 | L32+00S 6+00W | ↘ | " | TILL | B-3" | " | F | PEBBLY SOIL. ORGANIC SLIGHT. NO 'A' HORIZON. | | | | | |
| J1302 | L32+00S 8+00W | ↘ | " | TILL | B-3" | " | F | ORGANIC SLIGHT. SOME SMALL PEBBLES IN SOIL. | | | | | |
| J1303 | L32+00S 10+00W | ↘ | " | TILL | B-3" | " | F-C | SLIGHT ORGANIC. TALUS AREA. SOIL WASHED FROM UNDER BOULDER. | | | | | |
| J1304 | L32+00S 12+00W | ↘ | " | TILL | B-3" | " | F-C | ROCKY SOIL IN GRASS PATCH IN TALUS. ORGANIC SLIGHT. | | | | | |
| J1305 | L32+00S 14+00W | ↘ | " | TILL | B-2" | " | F | ORGANIC MODERATE. GRASS STRIP IN TALUS. | | | | | |
| J1306 | L36+00S 14+00W | ↘ | " | TILL | B-2" | " | F | ORGANIC MODERATE. SOIL WASHED FROM GRASS STRIP IN TALUS. | | | | | |
| J1307 | L36+00S 12+00W | ↘ | " | TILL | B-6" | " | F-M | GRASS IN TALUS. ROCKY SOIL. ORGANIC SLIGHT. | | | | | |
| J1308 | L36+00S 10+00W | ↘ | " | TILL | B-6" | " | F-C | VERY ROCKY SOIL. ORGANIC SLIGHT. TALUS AREA. | | | | | |
| J1309 | L36+00S 8+00W | ↘ | " | TILL | B-3" | " | F | GRASS IN TALUS. ORGANIC SLIGHT. SOIL PEBBLY. | | | | | |
| J1310 | L36+00S 6+00W | ↘ | " | TILL | B-7" | " | F-C | GRASSY AREA. SANDY TEXTURE ORGANIC SLIGHT. | | | | | |

CANADIAN JOHNS-MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: P. NICHOLSON
T. HANSEN

 AREA: ATLIN

 DATE: 29 JUNE 1971

 PROJECT: 61

 LOCATION REF.: BOWDER CREEK

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | | |
|------------|-------------------|----------------|---------------|-----------|-----------------|------------|---------|---|--------------------|--|--|--|--|
| | | | | | | | | | | | | | |
| J1311 | L36+00S 4+00W | ↘ | MOUNTAIN SIDE | TILL | B-4' | BROWN | F | GRASSY HOLLOW. ORGANIC SLIGHT. | | | | | |
| J1312 | L36+00S 2+00W | ↘ | " | TILL | B-4' | " | F | GRASSY AREA. ORGANIC MODERATE. | | | | | |
| J1313 | B.L. 36+00S | ↘ | " | TILL | B-5' | " | F-M | ROCKY SOIL. GENTLE SLOPE WITH GRASS. ORGANIC SLIGHT. | | | | | |
| J1314 | B.L. 34+00S | ↘ | " | TILL | B-5' | BROWN-TAN | F-M | AT OLD GOOHER HOLE ENTRANCE. ORGANIC SLIGHT. | | | | | |
| J1315 | L32+00S 2+00E | ↘ | " | TILL | B-5' | BROWN | F-C | ORGANIC SLIGHT. OPEN GRASSY AREA. | | | | | |
| J1316 | L32+00S 4+00E | ↘ | " | TILL | B-8' | " | F-M | NO ORGANIC. SEEPAGE AREA. OPEN, GENTLE SLOPE. | | | | | |
| J1317 | L32+00S 6+00E | ↘ | " | TILL | B-2' | " | F-M | NO 'A' HORIZON. DRY SMALL SEEP. NO ORGANIC, ROCKY. | | | | | |
| J1318 | L32+00S 8+00E | ↘ | " | TILL | B-5' | " | F | ORGANIC SLIGHT. CREEK BANK. | | | | | |
| J1319 | L32+00S 10+00E | ↘ | " | TILL | B-3' | " | F | ORGANIC MODERATE. GENTLE SLOPE. OPEN GRASSY AREA. | | | | | |
| J1320 | L32+00S 12+00E | ↘ | " | TILL | B-6' | " | F | ORGANIC MODERATE. SEEPAGE AREA. | | | | | |
| J1321 | L32+00S 14+00E | ↘ | " | TILL | B-3' | " | F | SMALL DRY SEEP. NO 'A' HORIZON SLIGHT ORGANIC. | | | | | |
| J1322 | B.L. 40+00S | ↘ | " | TILL | B-5' | DARK BROWN | M-C | GRASSY, ROCKY SLOPE. SOME GRAVEL. ORGANIC MODERATE. | | | | | |
| J1323 | L40+00S 2+00W | ↘ | " | TILL | B-4' | BROWN | M | 20'S OF PICKET. BOTTOM OF TALLS SLIDE. ORGANIC MODERATE-HIGH. | | | | | |
| J1324 | L40+00S 4+00W | ↘ | " | TILL | B-6' | DARK BROWN | F-M | CLEAR PATCH IN TALLS. NO GRAVEL ORGANIC MOD-HIGH. | | | | | |
| J1326 | L40+00S 6+00W | ↘ | " | TILL | B-6' | BROWN | M | AS ABOVE. | | | | | |

CANADIAN JOHNS MANVILLE Co. Ltd.

GEOCHEMICAL SOIL SURVEY DATA

 COLLECTOR: I. MORITZ

 AREA: ATLIN B.C.

 DATE: 30 JUNE 1971

 PROJECT: LI

 LOCATION REF.: BOULDER CREEK.

| SAMPLE NO. | LOCATION | DRAINAGE SLOPE | PHYSIOGRAPHY | SOIL TYPE | HORIZON & DEPTH | COLOUR | TEXTURE | REMARKS | ANALYTICAL RESULTS | | | |
|------------|----------------------|----------------|--------------|-----------|-----------------|------------|---------|---|--------------------|--|--|--|
| | | | | | | | | | | | | |
| J1327 | L40+00S 8+00W | ↙ | MOUNTAINSIDE | TILL | B-6" | BROWN | M | VERY GOOD 'B' HORIZON. CLEAR PATCH IN TALUS. NO GRAVEL ORGANIC MOD. - HIGH. | | | | |
| J1328 | L40+00S 10+00W | ↙ | " | TILL | B-4" | DARK BROWN | M-C | IN TALUS SLIDE. ORGANIC MOD. MUCH GRAVEL. | | | | |
| J1329 | L40+00S 12+00W | ↙ | " | TILL | B-4" | " | M-C | AS ABOVE. | | | | |
| J1330 | L40+00S 14+00W | ↙ | " | TILL | B-5" | " | M | IN TALUS SLIDE. ORGANIC HIGH. LOW GRAVEL. | | | | |
| J1331 | L44+00S 14+00W | ↙ | " | TILL | B-2" | " | M | IN TALUS SLIDE. ORGANIC LOW GRAVEL LOW. | | | | |
| J1332 | L44+00S 12+00W | ↙ | " | TILL | B-4" | " | M-C | IN TALUS SLIDE ORGANIC LOW GRAVEL HIGH. | | | | |
| J1333 | L44+00S 10+00W | ↙ | " | TILL | B-6" | " | M-C | AS ABOVE | | | | |
| J1334 | L44+00S 8+00W | ↙ | " | TILL | B-6" | BROWN | M | CLEARING BETWEEN SLIDES. ORGANIC AND GRAVEL LOW. | | | | |
| J1335 | L44+00S 6+00W | ↙ | " | TILL | B-4" | " | M-C | IN TALUS. ORGANIC MOD. GRAVEL HIGH. | | | | |
| J1336 | L44+00S 4+00W | ↙ | " | TILL | B-2" | " | F-M | IN TALUS. LITTLE ORGANIC OR GRAVEL. | | | | |
| J1337 | L44+00S 2+00W | ↙ | " | TILL | B-6" | " | M | SOME ORGANIC, SOME GRAVEL. | | | | |
| J1338 | BL 42+00S | ↓ | " | TILL | B-6" | " | M-C | IN B.B. SANDY ORGANIC AND GRAVEL LOW. | | | | |
| J1339 | T.L. 16+00S 2+00E | ↙ | " | TILL | B-4" | " | M | IN B.B. NO GRAVEL. ORGANIC LOW - MED. | | | | |
| J1340 | T.L. 16+00S 4+00E | ↙ | " | TILL | B-5" | " | M | ROCKY GRASSY SLOPE. ORGANIC LOW - MED. GRAVEL VERY LOW. | | | | |
| J1341 | T.L. 16+00S 6+00E | ↓ | VALLEY FLOOR | TILL | B-4" | " | M | MOUTH OF GOPHER HOLE. ORGANIC MODERATE. | | | | |

Histogram of Soil Analyses
In P.P.M., Boulder Creek Area
Atlin M.D. B.C. Proj. 60

Dec. 71

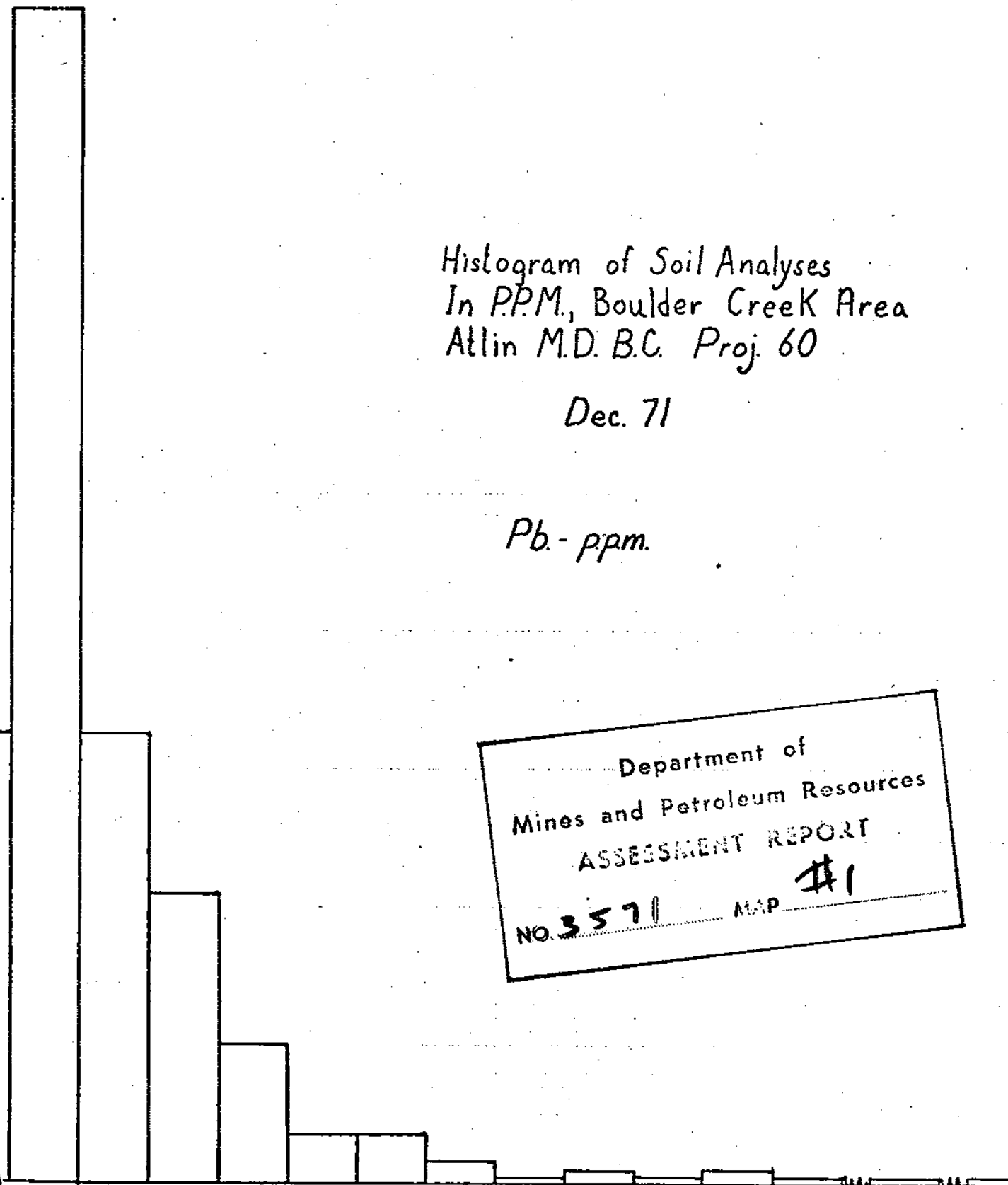
Pb - ppm.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3571 MAP #1

No of Samples

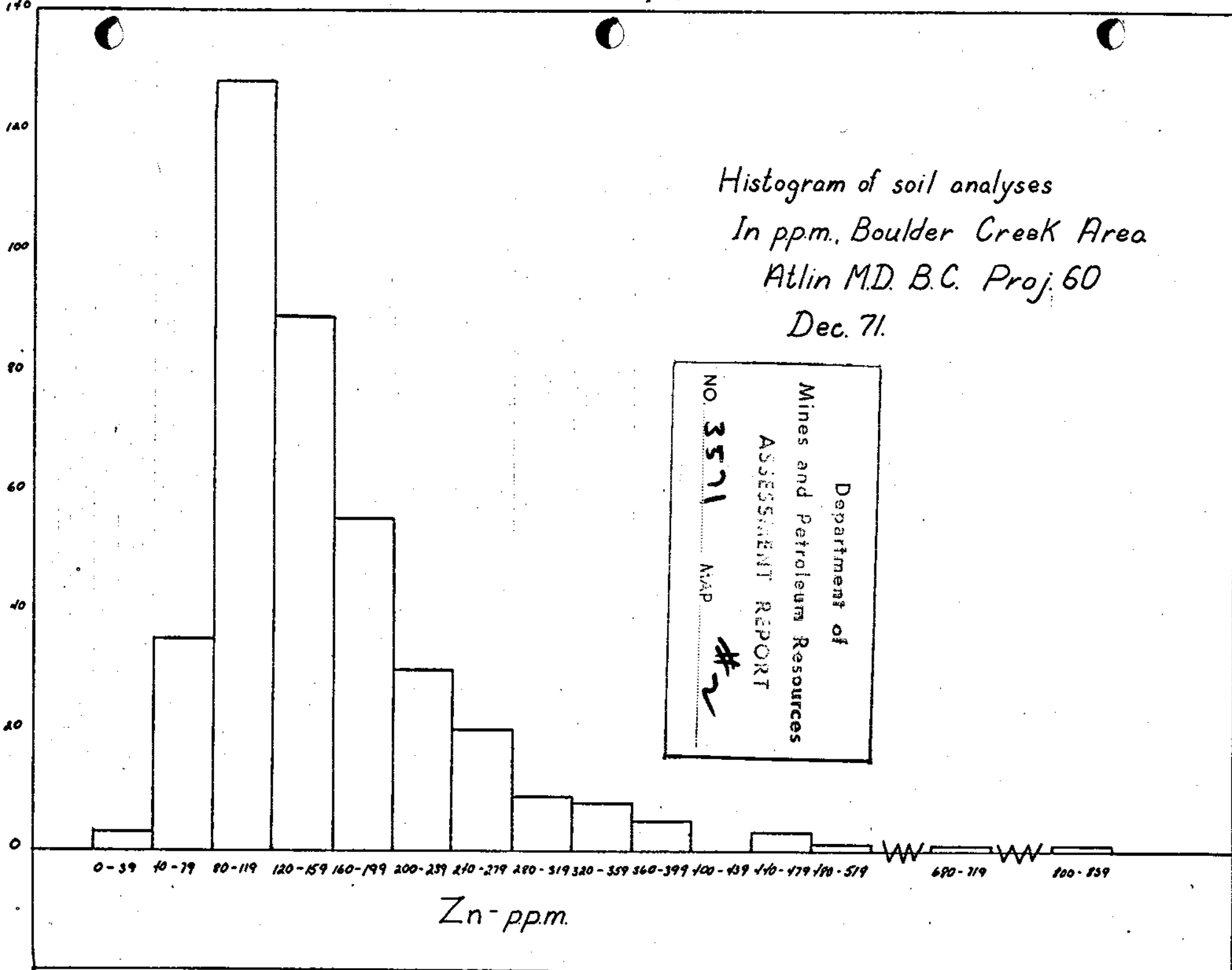
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Pb - ppm



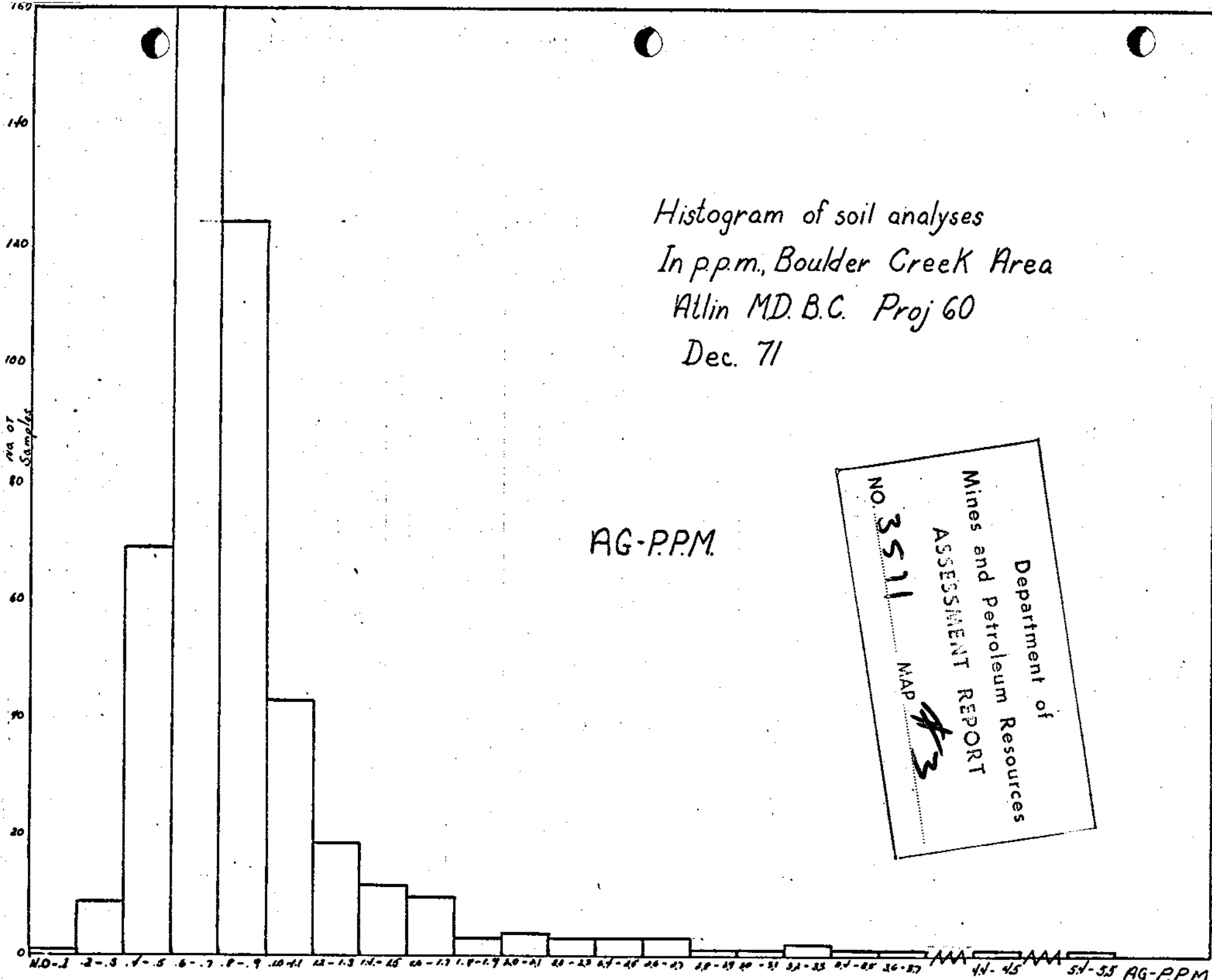
Histogram of soil analyses
 In ppm., Boulder Creek Area
 Atlin M.D. B.C. Proj. 60
 Dec. 71.

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 3571
 MAP #2



Samples 10 57

Zn - ppm.



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 3511 MAP *43*

AAA
44-45
AAA
54-55 AG-PPM

Histogram of Soil Analysis
In ppm, Boulder Creek Area
All in M.D. B.C. Proj. 60

Dec. 71

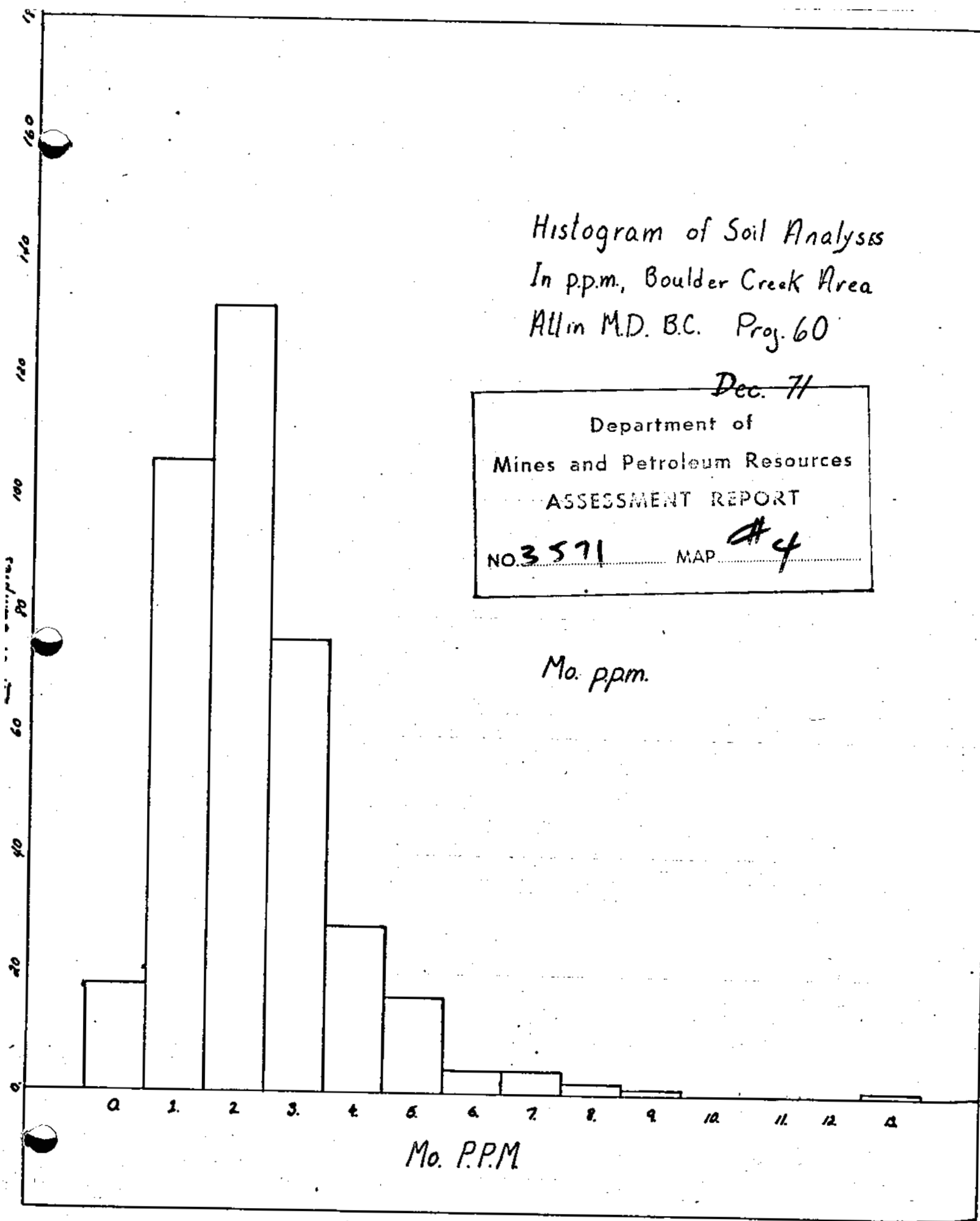
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 3571

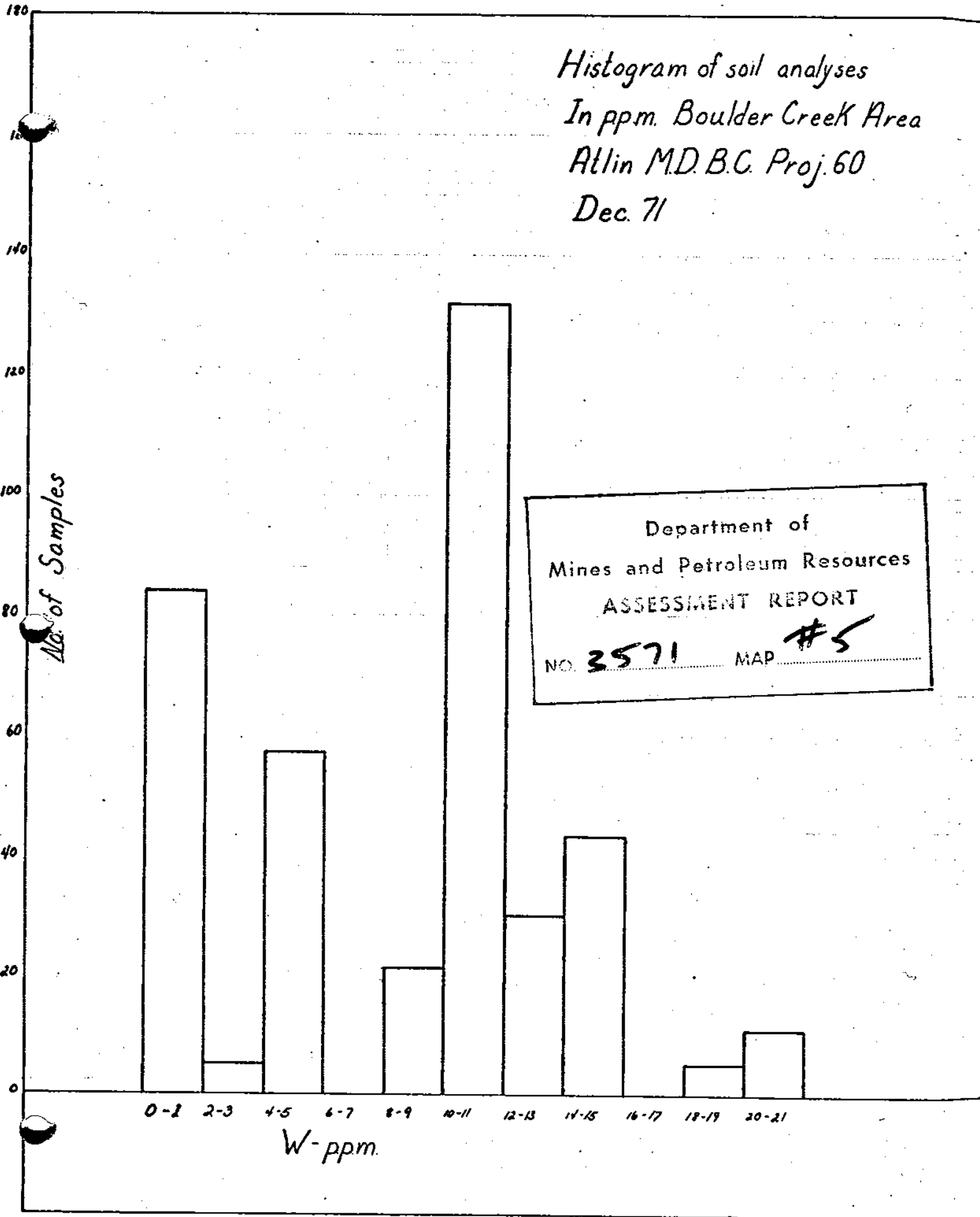
MAP

#4

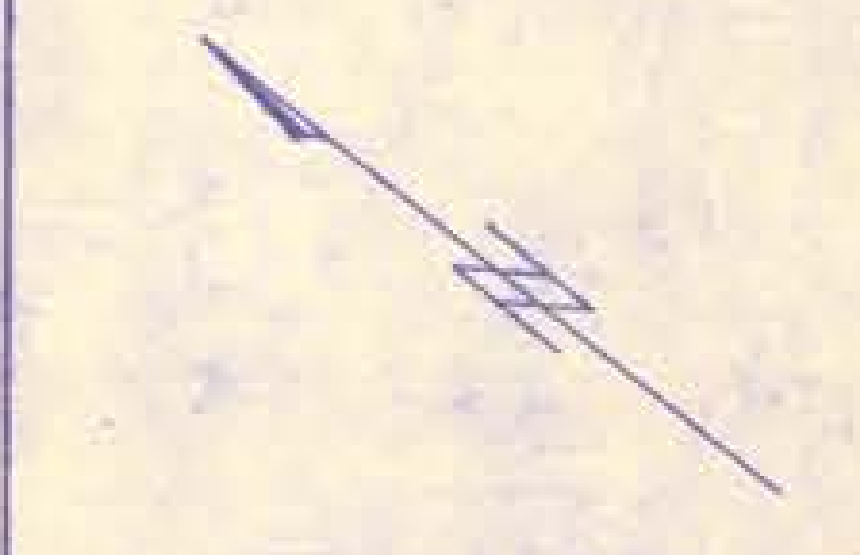
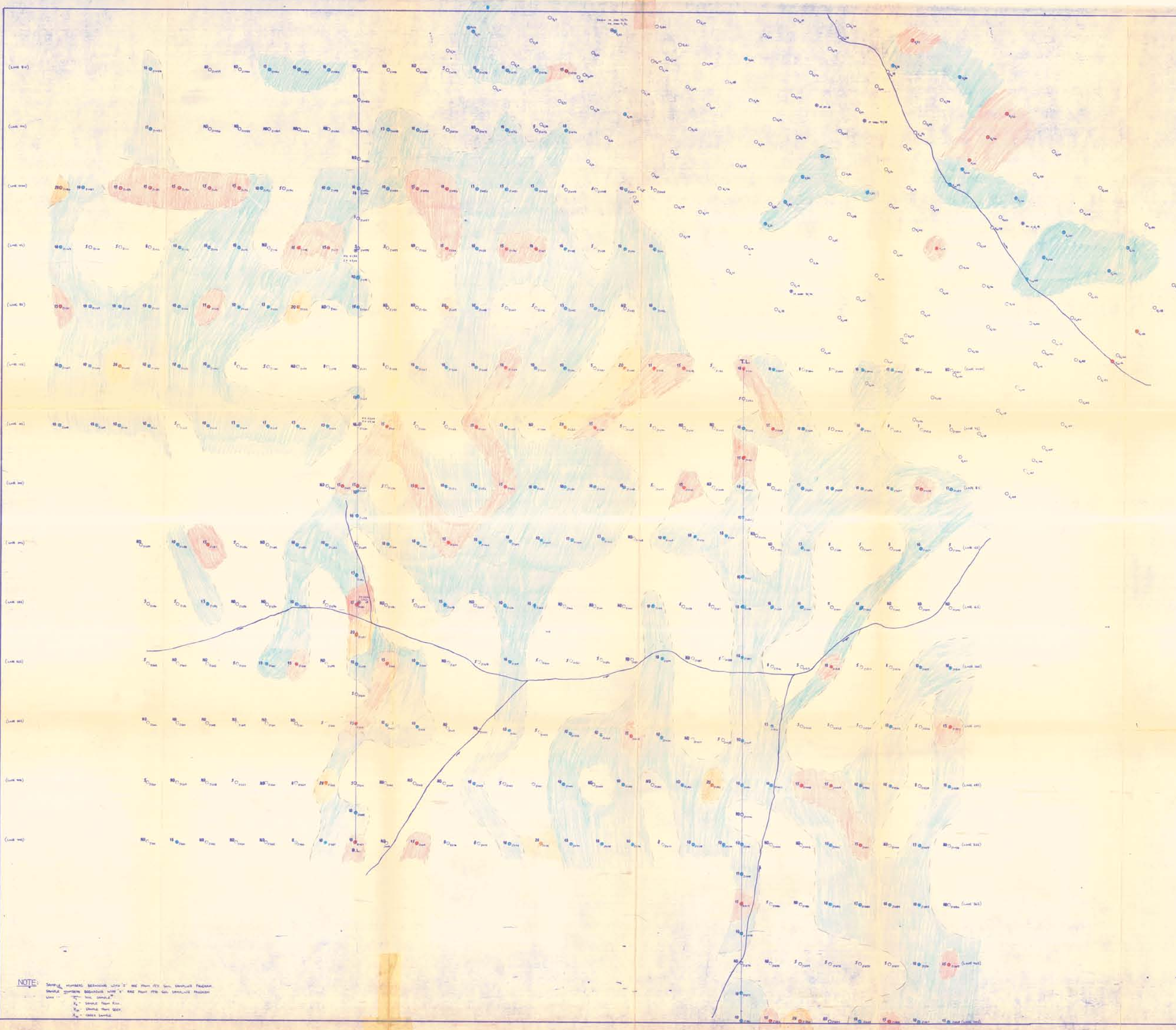
Mo. ppm.



*Histogram of soil analyses
In ppm. Boulder Creek Area
Allin M.D. B.C. Proj. 60
Dec. 71*



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3571 MAP #5



SYMBOLS

- Stream
- T.L.** Top Line
- B.L.** Bottom Line
- Sample Number and Number
- Check Point



| 1971 | PEM | 1970 |
|-------|-----|-------|
| 3-8 | | 1-5 |
| 9-18 | | 6-13 |
| 19-27 | | 14-22 |
| 28-29 | | 23-30 |

| | | |
|---|------------------|-------|
| ○ | Negative | 0-5 |
| ● | Prob. Anom. | 6-13 |
| ● | Prob. Anom. | 14-22 |
| ● | Anomalous | 23-30 |
| ● | Highly Anomalous | 31 |

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3571 MAP #12

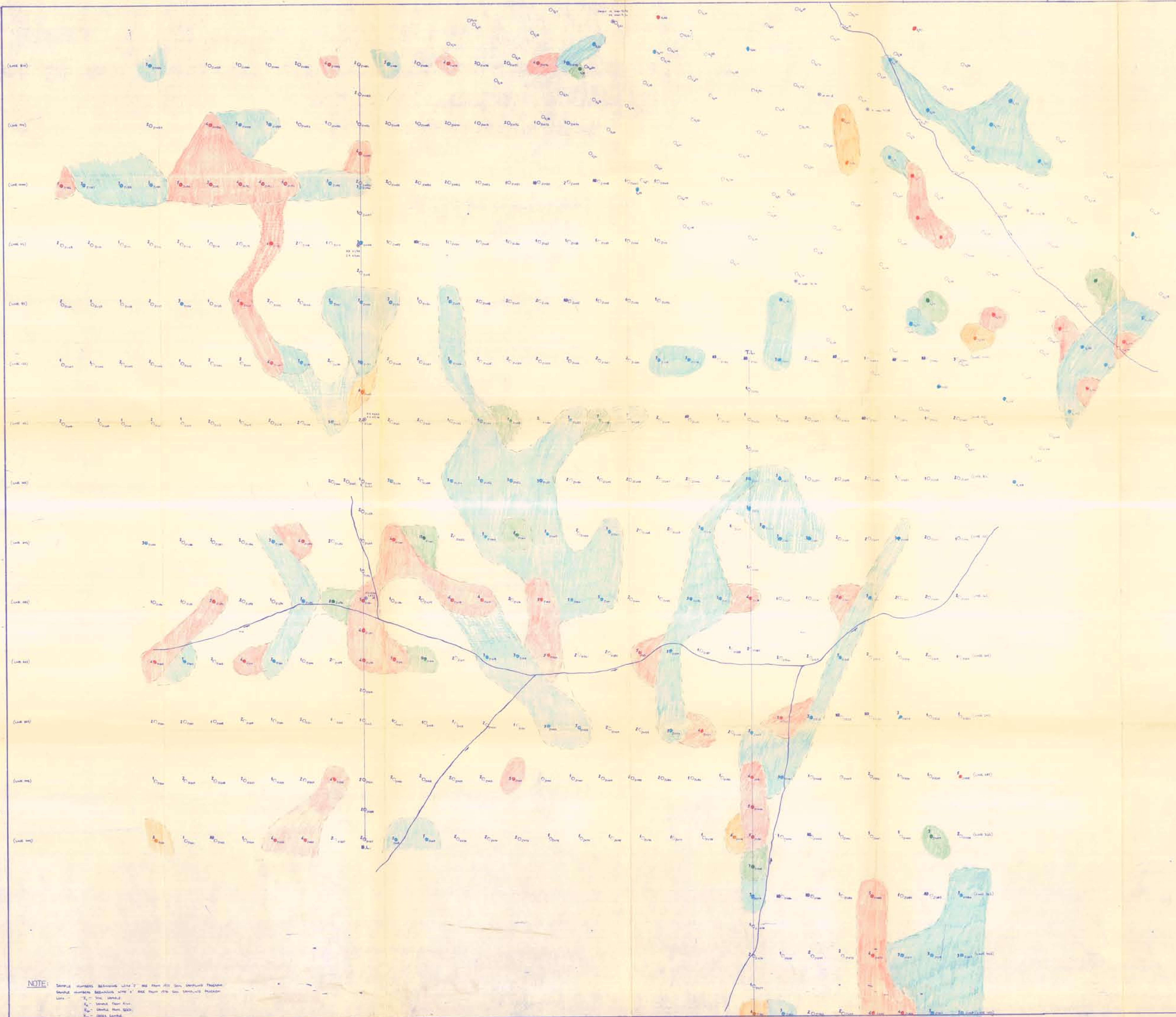


CANADIAN JOHNS-MANVILLE CO. LTD.
ATLIN B.C.

BOULDER CREEK 1971 SOIL
SAMPLING PROGRAM
ATLIN M.D. B.C.
W (ppm) DISTRIBUTION

SCALE: DATE: APPROVED:

NOTE: SAMPLE NUMBERS BEGINNING WITH 'S' ARE FROM THE SOIL SAMPLING PROGRAM
SAMPLE NUMBERS BEGINNING WITH 'W' ARE FROM THE WASH SAMPLING PROGRAM
W - WASH SAMPLE
S - SOIL SAMPLE
X - CHECK SAMPLE



SYMBOLS



INDEX MAP



LOCATION MAP



| 1971 | P.P.M. | 1970 |
|--------|--------|--------|
| 5-10 | 0-2 | 5-10 |
| 11-20 | 3-5 | 11-20 |
| 21-30 | 6-8 | 21-30 |
| 31-40 | 9-12 | 31-40 |
| 41-50 | 15-20 | 41-50 |
| 51-60 | 25-30 | 51-60 |
| 61-70 | 35-40 | 61-70 |
| 71-80 | 45-50 | 71-80 |
| 81-90 | 55-60 | 81-90 |
| 91-100 | 65-70 | 91-100 |

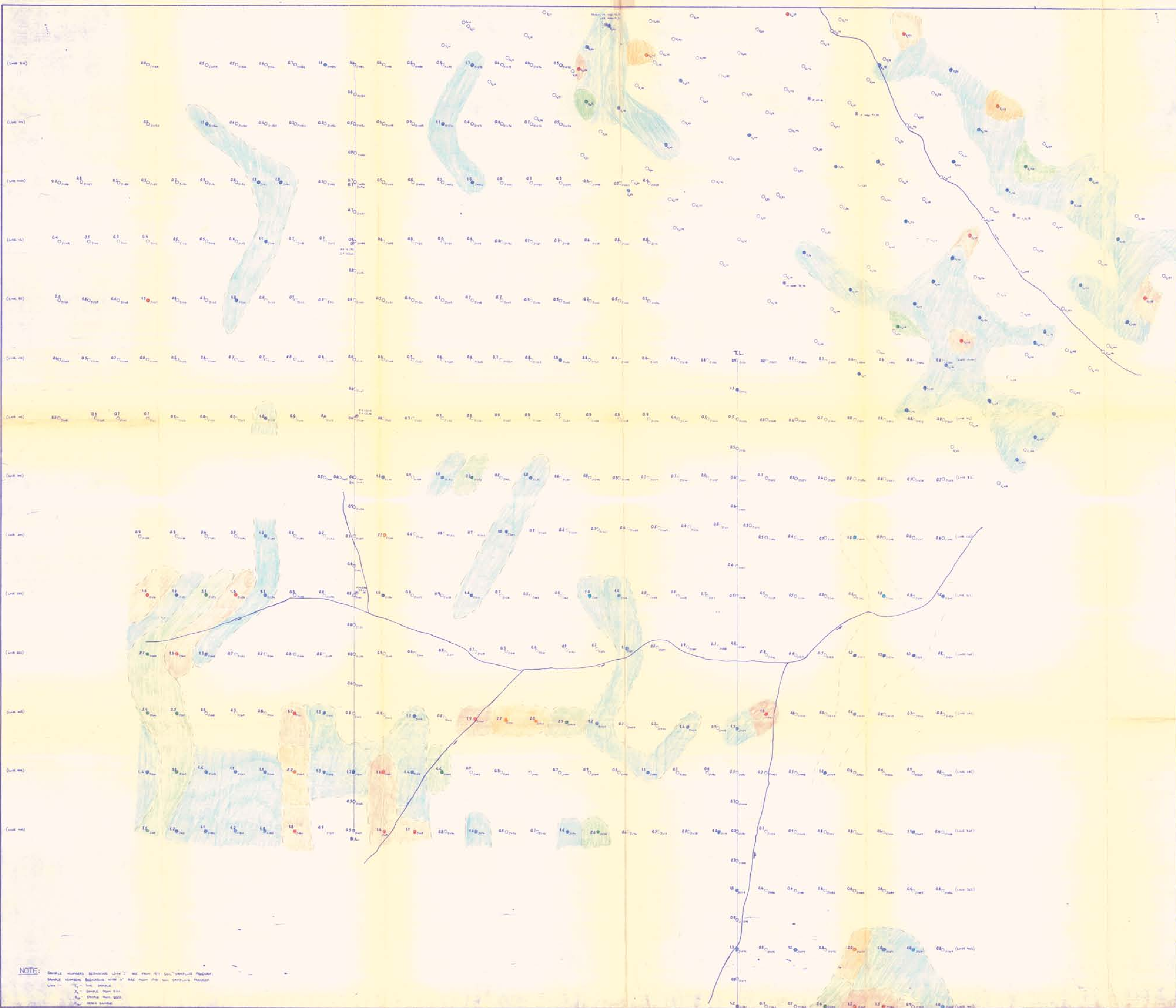
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO 3571 MAP #11

CANADIAN JOHNS-MANVILLE CO. LTD.
ATLIN M.D., B.C.

BOULDER CREEK 1971 SOIL
SAMPLING PROGRAM
ATLIN M.D. B.C.
Mo(ppm) DISTRIBUTION

SCALE: 1" = 1000' DATE: APPROVAL:

NOTE: SAMPLE NUMBERS BEGINNING WITH 'T' ARE FROM THE SOIL SAMPLING PROGRAM
SAMPLE NUMBERS BEGINNING WITH 'A' ARE FROM THE SOIL SAMPLING PROGRAM
NOTE: 'A' - TOP SAMPLE
'B' - MIDDLE SAMPLE
'C' - BOTTOM SAMPLE



SYMBOLS

- Stream
- TL ——— Town Line
- BL ——— Base Line
- ——— Sample Location (No. Number)
- ——— Locality Map



| 1971 | PPM | 1970 |
|---------|------------------|---------|
| 0.0-0.1 | Negative | 0-0.8 |
| 1.0-2.4 | Low Ag | 0.9-1.2 |
| 2.5-2.9 | Med. Ag | 1.3-1.6 |
| 3.0-2.4 | High Ag | 1.7-2.0 |
| 2.2.4 | Highly Anomalous | 2.1 |

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3571 MAP #10

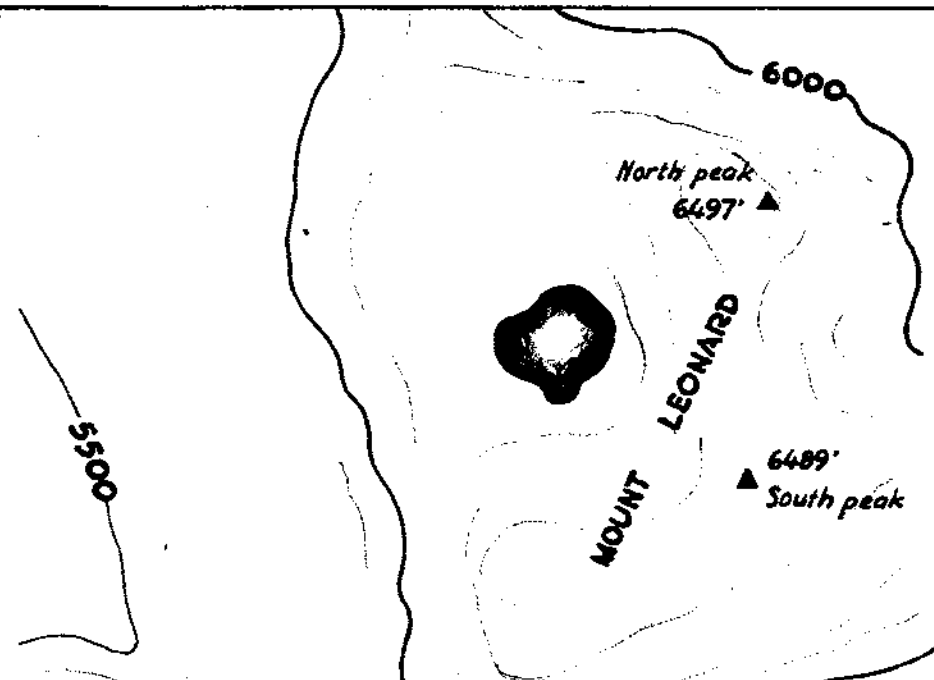
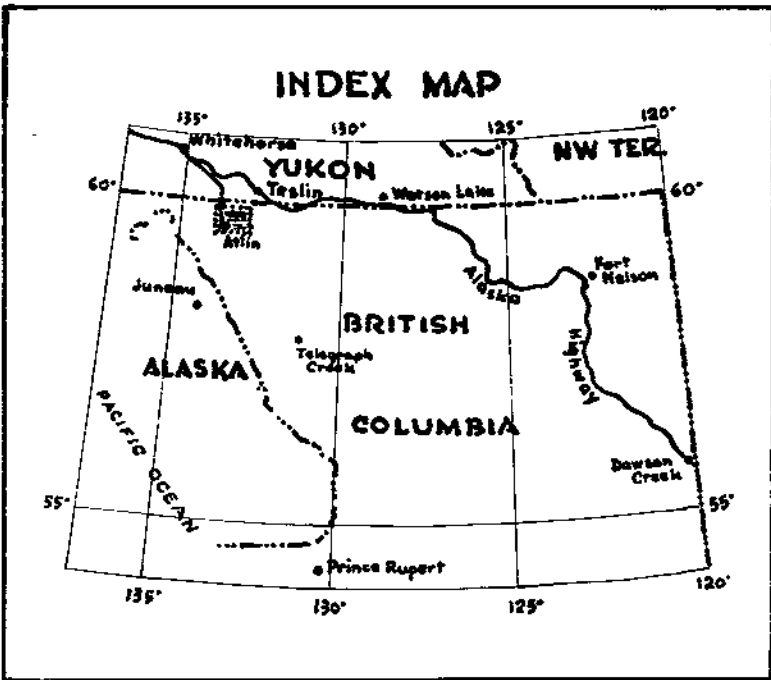


CANADIAN JOHNS-MANVILLE CO. LTD.
ATLIN, B.C.

BOULDER CREEK 1971 SOIL
SAMPLING PROGRAM
ATLIN M.D. B.C.
Ag (ppm) DISTRIBUTION

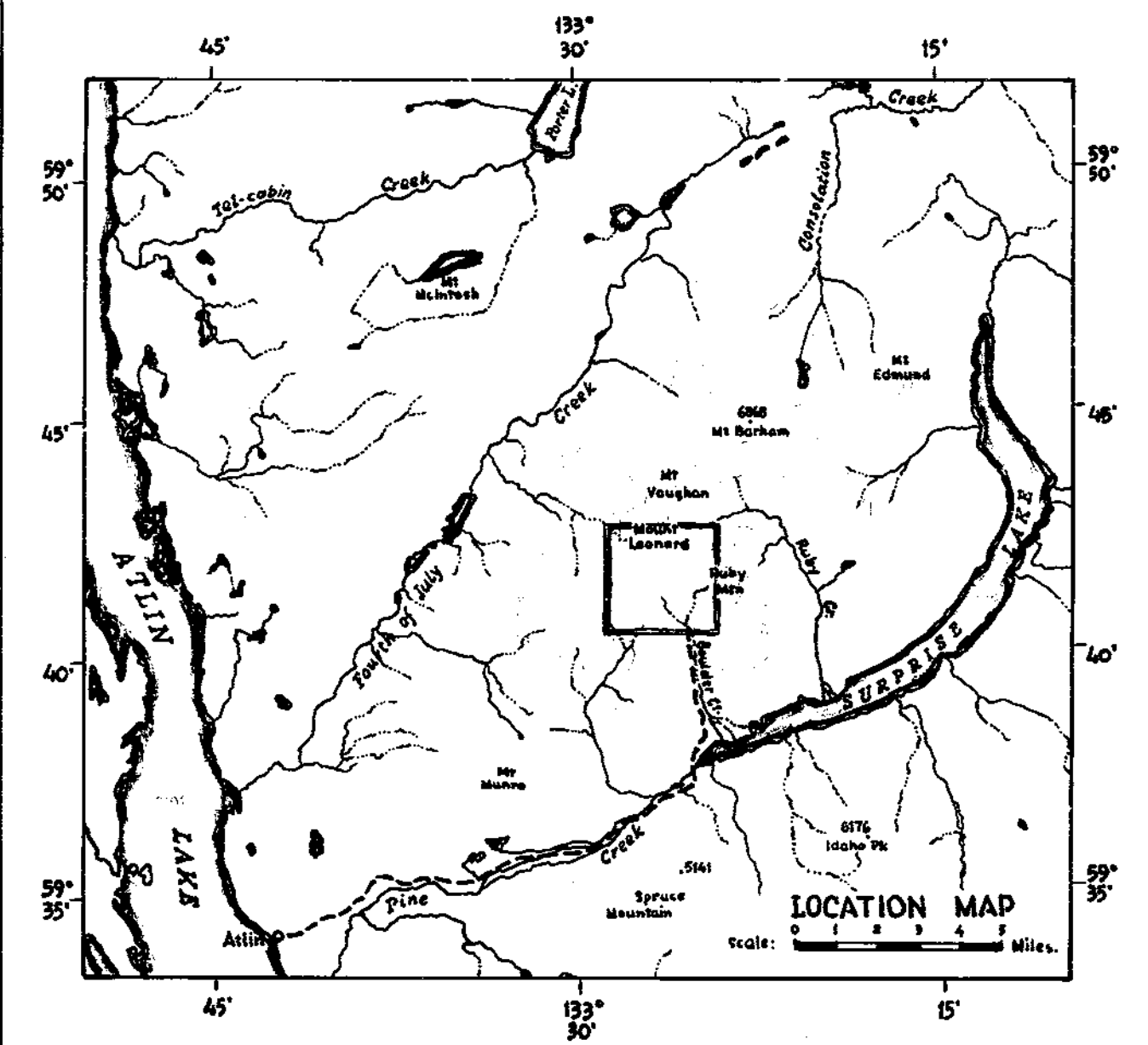
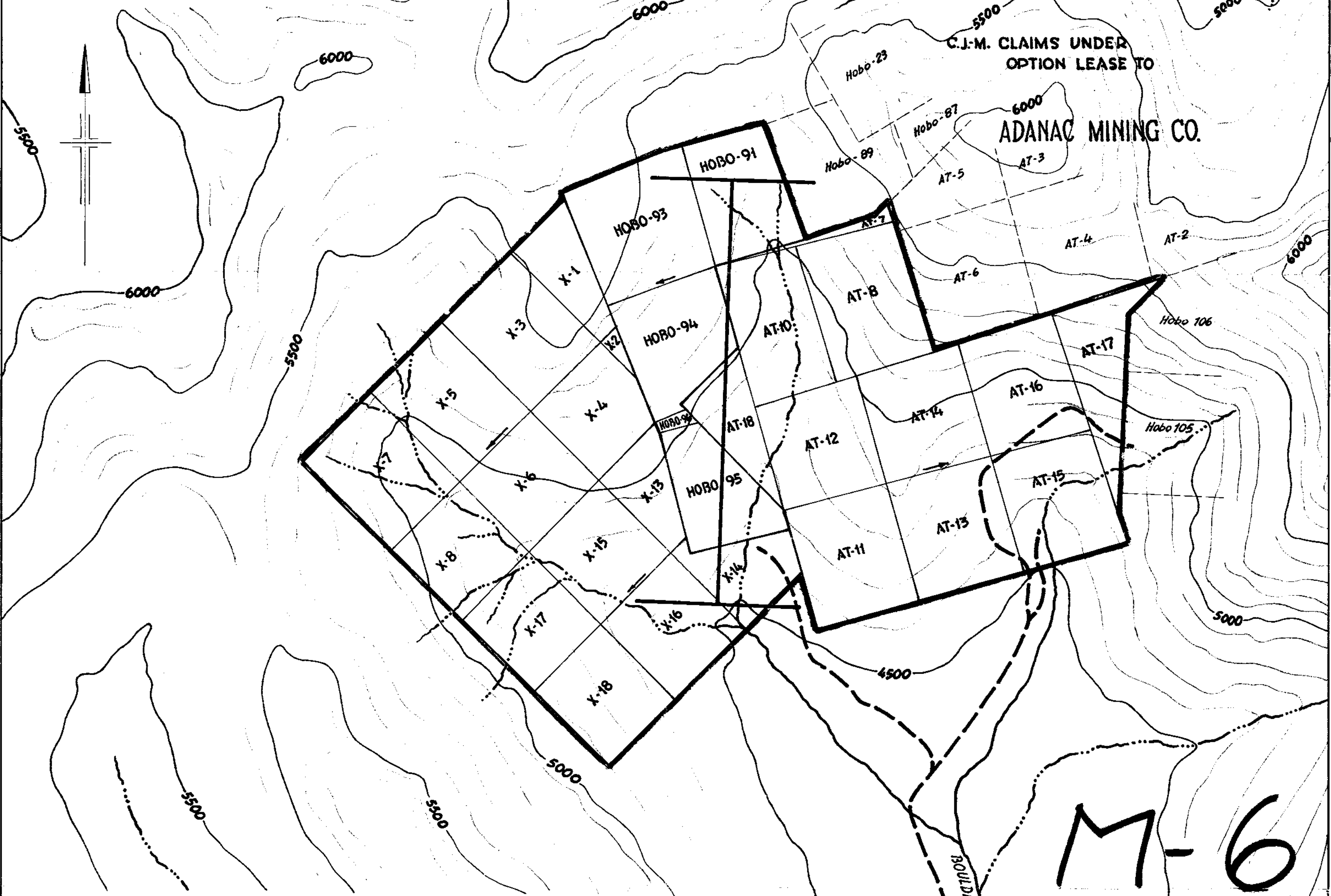
SCALE: DATE: APPROVED:

NOTE: Sample numbers beginning with '1' are from 1971 soil samples. Sample numbers beginning with '2' are from 1970 soil samples. 'TL' - Town Line, 'BL' - Base Line, '○' - Sample Location, '●' - Locality Map, '→' - Stream.



LEGEND

- Claim boundary.
- Staking direction.
- Elevation contour.
- Creek & dry creek.
- Access road.
- Base line of geochemical survey.

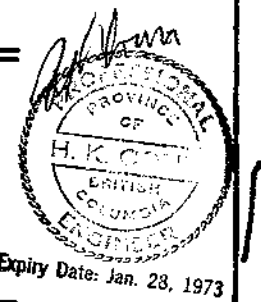


Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3511 MAP #6

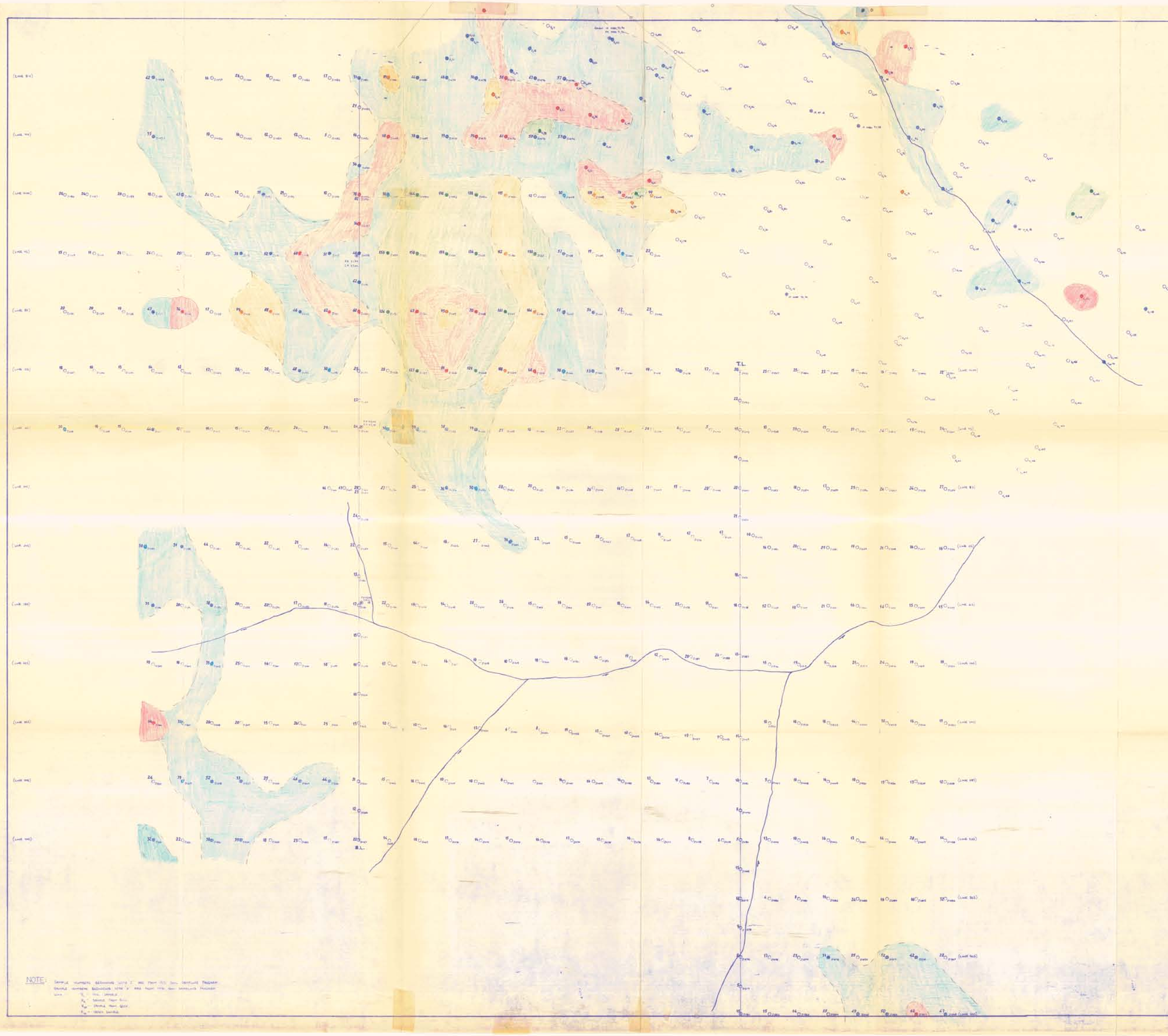
CANADIAN JOHNS-MANVILLE Co., LTD.
EXPLORATION DEPT. ASBESTOS, QUÉBEC.

PROPERTY PLAN
BOULDER CREEK CLAIMS
PROJECT 60
ATLIN MINING DIVISION — B. C.

To accompany Geochemical Report by H.K. Conn,
& C.P. Lin on Mineral Claims: Hobo 91, 93-96, AT 7, 8,
10-18, X 1-8, 13-18, for Assessment Work on Property.

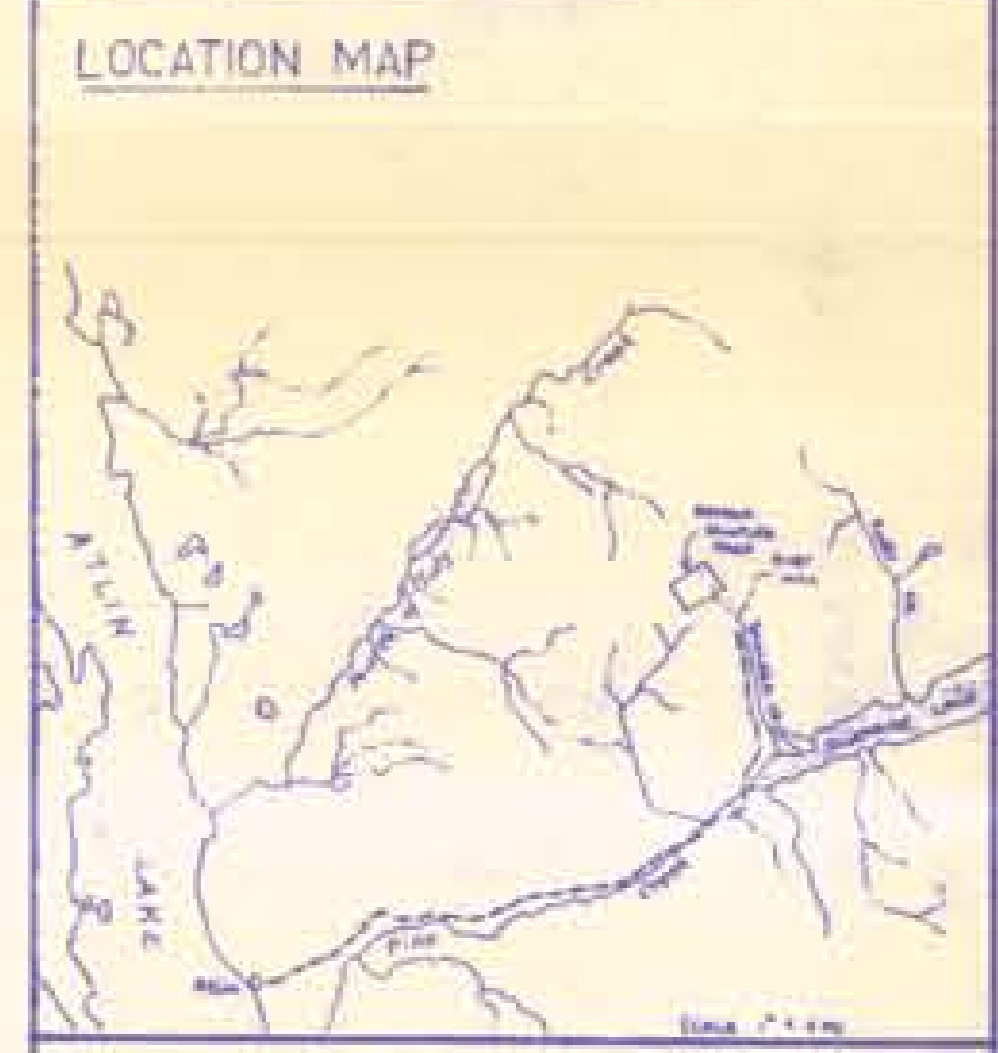


SCALE: 1"=1000' C.P. Lin & A. Therrien. DATE: JAN. 1971.



SYMBOLS

- Stream
- T.L.
- B.L.
- Shaded area with number
- Location point



| 1971 | PPM | 1970 |
|--------|--------------|-------|
| 0-29 | Negative | 0-35 |
| 30-58 | Res. Anom. | 37-53 |
| 59-87 | Prob. Anom. | 57-70 |
| 88-115 | Anomalous | 71-87 |
| ≥117 | Highly Anom. | ≥88 |

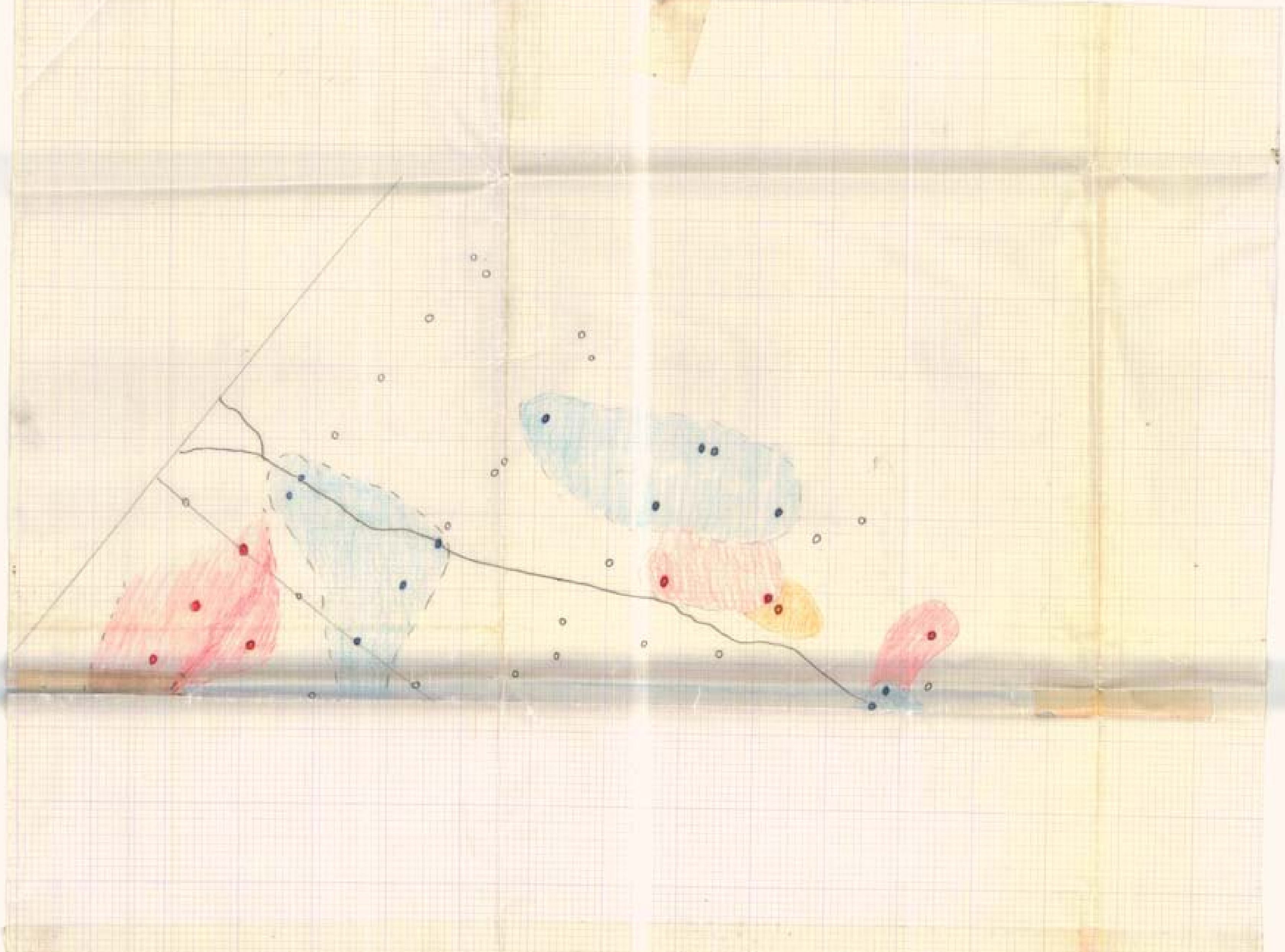
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3571 MAP 48

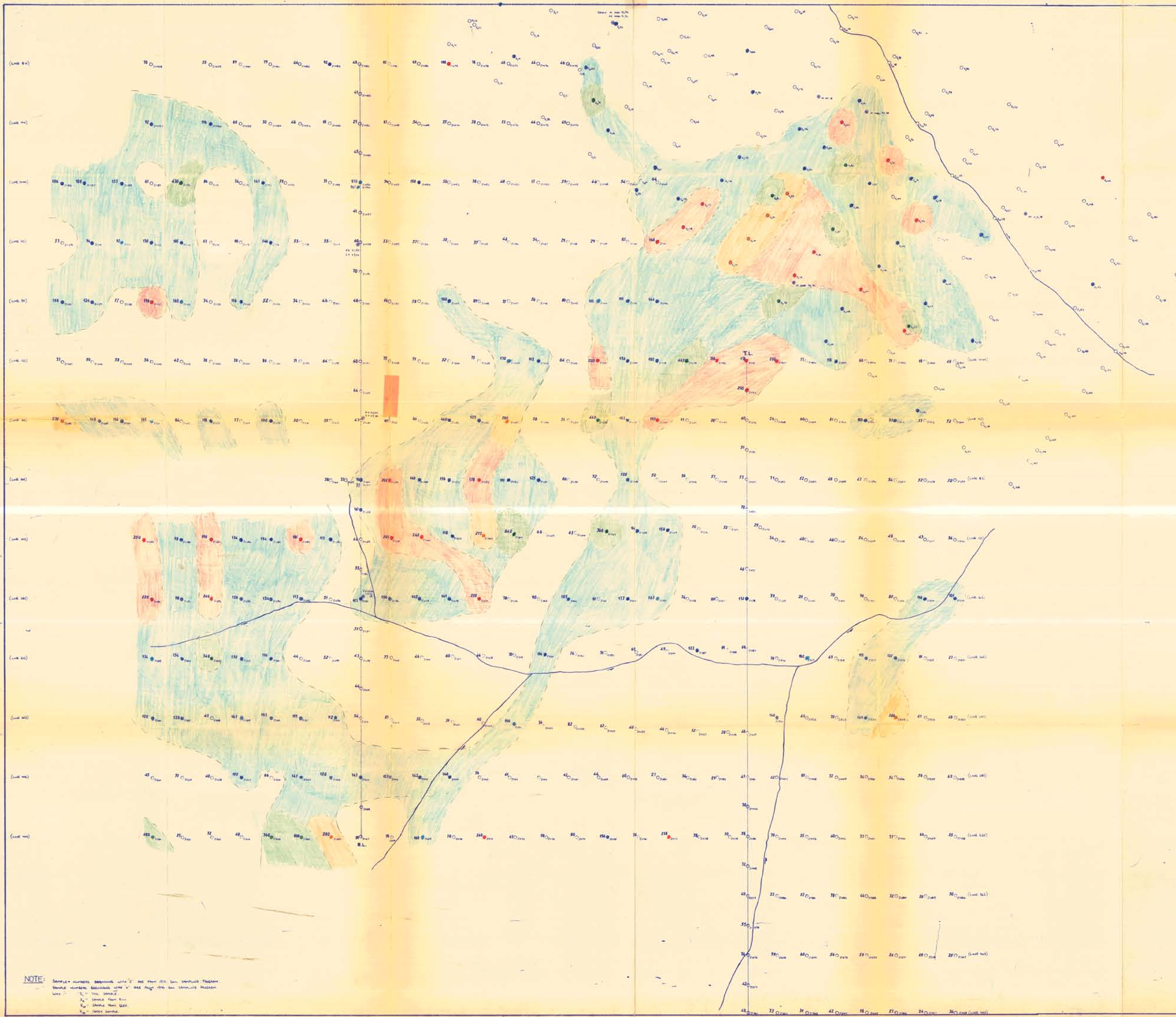
CANADIAN JOHNS-MANVILLE CO. LTD.
ATLIN, B.C.

BOULDER CREEK 1971 SOIL
SAMPLING PROGRAM
ATLIN, B.C.
Cu (ppm) DISTRIBUTION

SCALE: DATE: APPROVED:

NOTE: Sample numbers beginning with 'C' are from 'C' soil samples. Samples beginning with 'S' are from 'S' soil samples. 'TL' and 'BL' are top and bottom line samples.





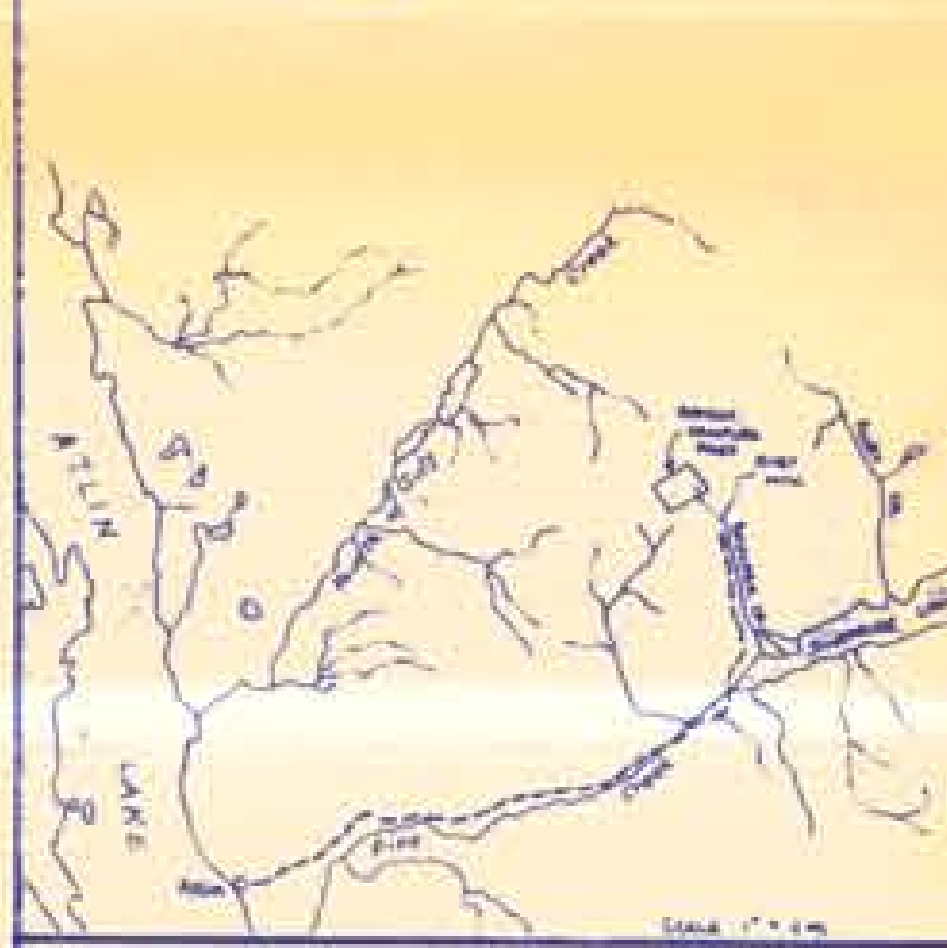
SYMBOLS

- Stream
- T.L. (Tie Line)
- B.L. (Base Line)
- Sample location (see number)
- Cabin Point

INDEX MAP



LOCATION MAP



| 1971 | PPM | 1970 |
|---------|------------------|---------|
| 0-91 | Negative | 0-52 |
| 92-174 | Pass. Anom. | 53-88 |
| 175-257 | Prob. Anom. | 89-124 |
| 258-340 | Anomalous | 125-160 |
| > 341 | Highly Anomalous | > 161 |

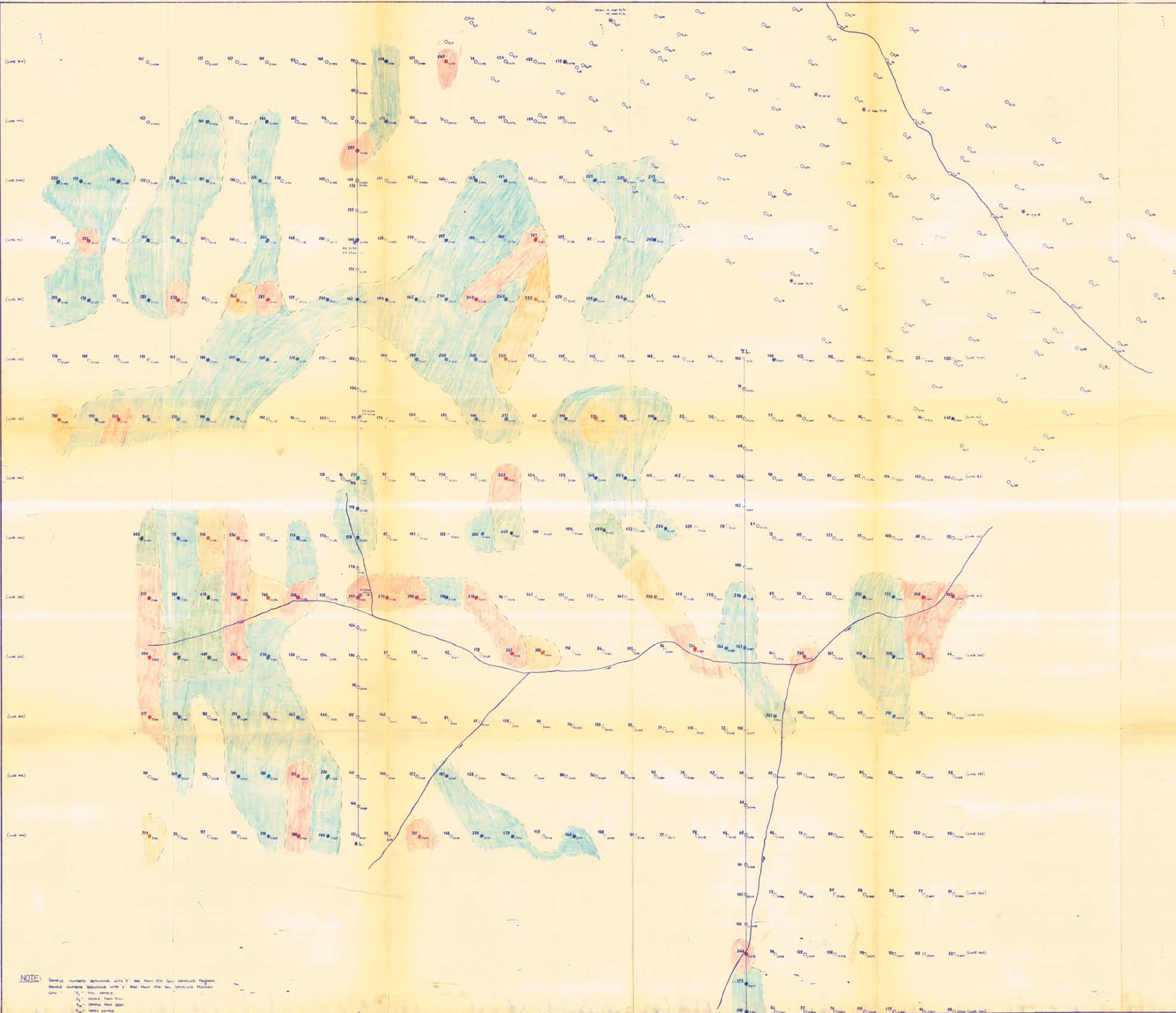
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3571 MAP 47

CANADIAN JOHNS-MANVILLE CO. LTD.
ATLIN, B.C.

BOULDER CREEK 1971 SOIL
SAMPLING PROGRAM
ATLIN - MD. B.C.
Pb (ppm) DISTRIBUTION

SCALE: DATE: APPROVED

NOTE: Sample numbers beginning with 'T' are from ATN Soil Sampling Program.
Sample numbers beginning with 'B' are from B.C. Soil Sampling Program.
T.L. = Tie Line
B.L. = Base Line
C.P. = Cabin Point
S.M. = Sample Mark
S.S. = Sample Size
S.C. = Sample Count



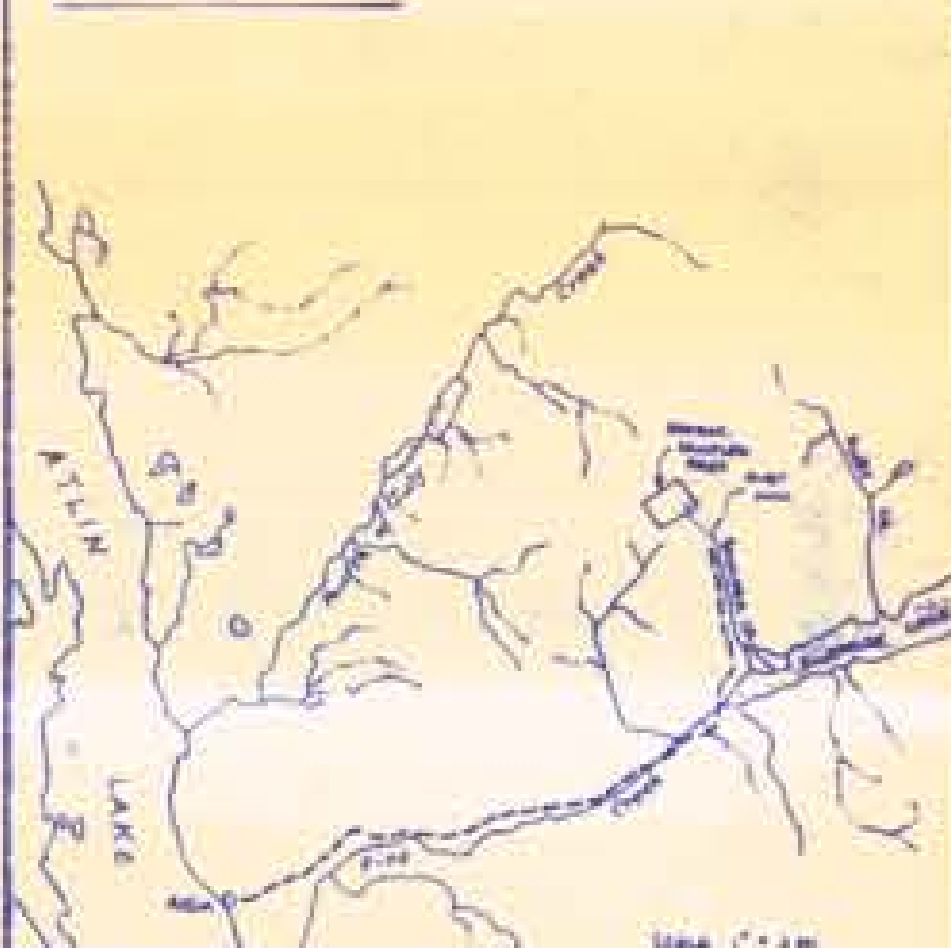
SYMBOLS

- STREAM
- T.L. LINE
- B.L. LINE
- SAMPLE LOCATION AND NUMBER
- CLEAN POINT

INDEX MAP



LOCATION MAP



- 1971 P.P.M. 1970
 154-240 Not Run
 241-327
 328-414
 415
- Negative
 - Prob. Anom.
 - Prob. Anom.
 - Anomalous
 - Highly Anom.

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 3571 MAP #9

CANADIAN JOHNS-MANVILLE CO. LTD.
 ATLIN, B.C.

BOULDER CREEK 1971 SOIL
 SAMPLING PROGRAM
 ATLIN M.D. B.C.
 Zn (ppm) DISTRIBUTION

SCALE: DATE: APPROVED:

NOTE: SAMPLE NUMBERS BEGINNING WITH '2' ARE FROM ATLN SOIL SAMPLING PROGRAM
 SAMPLE NUMBERS BEGINNING WITH '1' ARE FROM 1970 SOIL SAMPLING PROGRAM
 W.P. - WATER SAMPLE
 C.P. - CLEAN POINT SAMPLE
 S.P. - SAMPLE FROM STREAM