42A01NE0235 14 TECK

010

Diamond Drilling

Township OF TECK

Report Nº: 14

Work performed by: TECKORA MINES

| Claim Nº | Hole Nº | Footage | Date | Note |
|---|---|---|---|---|
| L.317181 | 80-1 | 445' | Feb/72 | (1)(2) |
| | 80-5 | 402' | Mar/72 | (1)(2) |
| L.317182 | 80-2 | 421' | Feb/72 | (1)(2) |
| L.317179 | 80-3 | 425' | Feb/72 | (1)(2) |
| L.317184 | 80-4 | 422' | Feb/72 | (1)(2) |
| L.317178 | 80-6 | 330' | Apr/72 | (1)(2) |

2445'

Notes: Autopositives enclosed
(1) 99/72
(2) Mineral Exploration Assistance Program, 1972

DOUGLAS BURTON, P. ENG.
GEOPHYSICAL SURVEYS
COBALT, ONT

# REPORT ON THE DIAMOND DRILLING

# COMPLETED TO APRIL 26th, 1972

# ON THE PROPERTY OF

# TECKORA MINES LIMITED

# TECK TOWNSHIP, ONTARIO

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GEOPHYSICAL SURVEYS
COBALT, ONT

# REPORT ON THE DIAMOND DRILLING
# COMPLETED TO APRIL 26th, 1972
# ON THE PROPERTY OF
# TECKORA MINES LIMITED
# TECK TOWNSHIP, ONTARIO

## DIGEST

Following up a VLF and a magnetic geophysical survey six exploratory drill holes have been completed to test the anomalies obtained.

The five holes exploring the central portion of the property are in altered gabbro. No further testing is recommended for this area as the gold values in the quartz veins are low.

Hole No. 6 intersected a 48 foot carbonaceous zone with four beds of soft, black graphite. It is recommended that this zone and its extension be examined by means of a detailed geophysical survey.

The northern five claims were not examined. It is recommended that a larger area be examined.

Prior to the geophysical survey and the drilling, an application was made to the Department of Mines and Northern Affairs for Exploration Assistance for a rebate of one-third of the money to be spent for the geophysical surveys and the drilling. This exploratory program was approved for a one-

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third refund of specified amounts of money for each phase of the program to be completed by before March 31st, 1972.

This program was carried out before the due date and additional drilling was completed in April. This report discusses the exploratory drilling completed and the results obtained, together with recommendations for future exploration.

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COBALT, ONT

REPORT ON THE DIAMOND DRILLING

COMPLETED TO APRIL 26th, 1972

ON THE PROPERTY OF

TECKORA MINES LIMITED

TECK TOWNSHIP, ONTARIO

## INTRODUCTION

During 1971, a program of exploration by means of a VLF and magnetic geophysical survey, and follow-up diamond drilling was recommended for the sixteen claims comprising this property.

Also, the Department of Mines and Northern Affairs approved this program for exploration with a Schedule 1 of exploration work and allowable costs as follows,

| | |
|---|---|
| Line cutting 11 miles @ $80 per mile | $ 880. |
| Electromagnetic VLF and magnetometer survey of 16 claims @ $100. | $ 1,600. |
| Diamond drilling 2000 feet @ $7. per foot | $14,000. |
| Assaying | $ 400. |
| Supervision, report preparation, etc. | $ 2,000. |
| | $18,880. |

On this amount spent, the Ontario Government agrees to reimburse $6,293.33, but if the program is completed at less cost, the rebate will be limited to one-third of the money actually spent.

This agreement provides that 75% of the exploration program be completed before March 31st, 1972, and that acceptable proof of the expenditure be submitted to the Minister.

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This Exploration Assistance program is unique in mine exploration in Ontario, and Canada. If this assistance were to be continued for a few years, exploration of mining properties would be increased and new mines would be found.

In this report, property description, geological information, and recommendations for drilling are repeated in part from previous reports that have been made on this property, so that reference need not be made to other reports which are not immediately available.

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The Property: Claim Numbers, Area, Location, Accessibility, Topography, Utilities and Climate

Sixteen contiguous claims numbered L317175 to L317190 comprise the property of Teckora Mines Limited (Miner's Licence T-452). These are located in the west central part of Teck Township and have an area of about 640 acres. They were recorded at the Mining Recorder's office in Kirkland Lake on May 25, 1971.

Eleven of these in a group were geophysically surveyed for conductive and magnetic anomalies. My report dated December, 1971 with three maps numbered 71-79-1, -2 and -3, recommends that 2430 feet of drilling be carried out with six holes located to test the geophysical anomalies found.

The surface of the group of claims is fairly level with many rock outcrops, partially covered with shallow overburden. Second-growth poplar, birch and pine are scattered on this property with thick low-growing brush.

The property is readily accessible from Highway 66 at at Chaput-Hughes, one mile west of Kirkland Lake. A black-topped road one-quarter mile to the west to the Macassa Mine turns into an east-west rough gravel-based bush road that crosses the ONR tracks and the bridge at Amikougami Creek, one and one-half miles from Chaput-Hughes. A north-south bush road starting 800 feet west of the Amikougami Creek bridge crosses several claims on the east side of the property at a distance about one-half mile north.

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Access for drill equpment is relatively easy after some minor road preparation. Small swamp areas will be by-passed.

Electric power is available from the Ontario Hydro lines about one mile east of the property.

Water is available from the north-south Amikougami Creek which crosses the east side of the property.

The climate is typical of northern Ontario, with snow cover through December to April. The temperatures may be as cold as minus 60° F. for a few days, probably in February. The growing season is from May to October with temperatures to 90° F. for a few days in July and August. Frost may occur any month in the year. The rainfall averages about 31 inches per year. Black flies and mosquitoes are plentiful in the bush from June to October, and they are particularly ferocious in June.

During early 1972, cold weather started in January and continued through February and March. Melting temperatures did not occur until April. Usually in this section the swampy areas hold enough water for drilling purposes. Because of the continuous cold weather, the snow did not melt to fill the swamps, and the last hole was delayed until water was available in the local swamp area. Water delivered through a 3000-foot pipeline would be expensive and time-wasting because of freezing conditions. A three-week delay with the approval of the drilling contractor and the directors was a money-saving decision.

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COBALT, ONT.

ONR Crossing

The Ontario Northland branch line from Swastika to Noranda passes about one-half mile from the property to the south-east. The access road crosses this right-of-way, and has done so for many years. In late 1971 this road crossing was dug out and a barrier placed on the road so that vehicles could not pass.

In order to take the drilling equipment to the property it was necessary to have the railroad employees take down the barrier and plank the crossing. Approval for this was readily obtained from the railroad Head Office in North Bay. In addition a legal form had to be signed by the drilling contractor and a small fee had to be paid. If it is required that this railroad crossing be kept open for the further exploration and development of the property it will be necessary to have the railroad employees open this crossing.

The Drill Contractor and Costs

Mr. Alton McKnight of Haileybury was chosen for the drilling program. He carried out the work in a reliable, efficient and confidential manner.

A Boyles Bros Type BBS-1 drill capable of drilling to a depth of 600 feet was used for the diamond drilling. "A" size core, 1, 1/16 inches in diameter, was recovered using a wire-line arrangement. Both of these factors ensure a good core recovery, especially where the rock is broken and fractured.

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The contract cost of the drilling was less than $5.00 per foot, plus the cost of moving, cementing and other unpredictable contingencies. The average cost per foot for 2445 feet is about $7.10. To this must be added the cost of supervision, report preparation and assaying.

| Drill Hole No. | Footage | Drilling Costs |
|---|---|---|
| 72-80-1 | 445) | |
| 72-80-2 | 421) | $6,040.53 |
| 72-80-3 | 425 | 3,251.06 |
| 72-80-4 | 422) | |
| 72-80-5 | 402) | 5,348.64 |
| 72-80-6 | 330 | 2,713.76 |
| | 2445 | $17,353.99 |

The actual drilling was started on February 12 and was completed on April 26, 1972.

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GEOPHYSICAL SURVEYS
COBALT, ONT

## THE GEOLOGY

### Governmental Maps and Reports

There are many geological reports on the Kirkland Lake area. The most recent and comprehensive governmental reports and maps are "Fifty-seventh Annual Report, Ontario Department of Mines, Volume LVII, Part 3, 1948", and, Ontario Department of Mines Mineral Resources Circular No. 3, "Mineral Resources and Mining Properties in the Kirkland Lake-Larder Lake Area" by W. S. Savage.

### Regional Geology

Apparently structural control is more important than the rock formations for the development of ore bodies in this area.

Precambrian rocks only are found in this local area. Keewatin acid and basic lavas, and tuffs and iron formation are the oldest rocks. Temiskaming sediments; trachyte, tuff, and conglomerate were laid down on the erosional surface of the older rocks.

All of these older formations have been violently folded so that they are now in a more or less vertical attitude. Their strike is more or less east and west with large variations, and they may be overfolded.

During Algoman time, large masses of syenite, granite, diorite and gabbro and related rocks intruded all of the older rocks. Carbonate zones developed during this period by replace-

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COBALT, ONT

ment of the existing rocks by siliceous carbonate material. The carbonatization process is believed to be related to the ore deposition in some places.

Faulting, horizontal as well as vertical is found in all parts of the area, striking in all directions, but with an east-west preference, and, with secondary north-south faults. These faults have most of their movement more recently than Algoman time. However, they may have originally developed before or during the emplacement of the Algoman intrusives, and in this case they may indicate zones of carbonatization and channelways for ore solutions.

Local Geology

On the sixteen claims comprising the Teskora group the rocks exposed are chiefly Algoman basic diorites and gabbro, and syenite and porphyry. The older Keewatin lavas also outcrop. This property is about one mile north of the generally east-west Main Kirkland Lake fault system which passes through the seven properties which were the chief gold producers of this camp.

The Algoman intrusives in the south part of the claim group are similar to those in the gold-producing part of the Kirkland Lake camp. The association of basic rocks and older lavas may be the loci for base metal deposits.

Many old trenches, some exposing quartz veins, are found on this property.

One old drill hole making water is directed north under

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an east-west creek depression on claim 317182. No information about the results of this drilling is available.

The Amikougami Creek fault system is a north-south depression that could have a significant effect on mineral deposition. Obviously the major movement of this fault system is more recent than the Algoman time of the intrusions of syenite, porphyry, diorite and gabbro, and gold and other mineral deposition. But this fault system may be along an older line of weakness that could favor mineral deposition.

By modern concepts of mining exploration these claims are practically unexplored. Only rock outcrops were examined. More than 90% of the property is covered with overburden. The depressions between the outcrops should be prospected by geophysical methods. The VLF and Magnetic geophysical surveys completed located and traced a number of anomalous zones which have been tested in places by the drilling reported on herein.

Formations and Structure

The gold ore bodies have a closer relationship to structure than to rock types. In other words, a structural condition such as faulting, fracturing, shearing and brecciation is considered to be a more favorable location for gold veins than any particular rock type.

Syenite and syenite porphyry were early considered to be the place to explore. Now we know that ore conditions may develop in any rock type, with the exception of formations developed since Algoman time.

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Gold Veins

Gold deposits are found in fissure and quartz veins, quartz stockwork deposits, in carbonate zones, quartz-sulphide deposits in lavas and tuffs, sulphide deposits and in talc-chlorite schists, and in mineralized dikes. Quartz is the principal gangue mineral. Secondary minerals are sericite, carbonates, chlorite and pyrite.

It appears that gold was the last to be deposited. It is found native in the vein minerals, and fractures, and with pyrite. It occurs in the tellurides. It is found in the tellurides, calaverite ($AuTe_2$) and petzite $(AgAu)_2Te$. Silver is also found. Other minerals are chalcopyrite, hematite, galena, sphalerite, molybdenite, graphite, and the tellurides altaite (PbTe), coloradoite (HgTe) and melonite ($Ni_2Te_3$).

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COBALT. ONT

## THE RESULTS OF THE DRILLING

### Map No. 72-80-1 and Six Drill Hole Cross-sections, Logs of the Drill Holes and the Assay Certificates

The map numbered 72-80-1, drawn on a scale of one inch equals 250 feet (scale ratio 1:3000), accompanying this report shows the location of the drill holes completed as a part of this exploration program.

The picket lines required for the geophysical survey are shown on this map, together with the claim corners on the boundary of the group, the claim numbers, access roads, and Amikougami Creek. This is traced from a map dated December 2nd, 1971, by T. D. Brown who carried out the line cutting.

A Location Map, scale, one inch equals 1320 feet, traced from the township claim map, shows the relative location and the numbers of the sixteen contiguous mining claims. It is in a box in a corner of the larger map.

Cross-sections of the drill holes are included showing pertinent data and the geological conditions.

Copies of the logs of the drill holes are attached.

Copies of the Assay certificates are also attached.

### List of Drill Holes Completed and Location of the Core

Holes were drilled as per the following tabulation with reference to the coordinate system established for the geophysical survey. The marking pickets are well established and firmly placed in the ground. It is believed that these lines may be located for at least five years, until 1976.

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GEOPHYSICAL SURVEYS
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| Drill Hole No. | Bearing | Dip | Length of Hole |
|---|---|---|---|
| 1 | N 0450 E 800 | -45° | 445 |
| 2 | N 1450 E 400 | -47½° | 421 |
| 3 | N 1200 W 1600 | -45° | 425 |
| 4 | N 1485 W 1985 | -45° | 422 |
| 5 | N 0750 E 800 | -45° | 402 |
| 6 | S 0850 W 2000 | -45° | 330 |

The drill core is stored at my property near Gillies Lake, four miles south of Cobalt, on Highway No. 11, for the next twelve months.

Discussion of the Exploration and the Results

The six drill holes were laid out to explore and test the conductive anomalies located by the VLF and magnetic geophysical survey.

The first five holes drilled in gabbro located a number of quartz veins, and shearing indicated by broken and lost core. Sparse sulphide concentrations were found. Only very low gold assays are recorded for the samples submitted for assay. No further exploration is recommended in the central portion of the property where these first five drill holes tested the structures.

Hole No. 6 drilled on the south part of the property to test a strong VLF anomaly traced across the property for 3000 feet in a general east-west direction, intersected a wide carbonaceous zone containing four bands of soft, black laminated graphite with calcite and quartz stringers, and with some concentrations of sulphides, chiefly pyrite. This zone should not be neglected, because of the association of sulphide bodies with graphite zones

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where structural folding and faulting favor sulphide deposition. It is recommended that the extension of this zone, both west and east be examined by means of a detailed geophysical survey using VLF, magnetic and self potential methods on lines 200 feet apart and 1000 feet long centered more or less on the axis of the conductive zone, if the adjoining property can be acquired or leased at a reasonable cost.

Eleven claims of the sixteen have been partially explored. The northern claims were not geophysically examined. They are underlain by Keewatin lavas and Algoman gabbro intersected and displaced by the Amikougami fault zone. Although these claims are contiguous they are not in a group. It is more costly to geophysically explore scattered claims. If more property could be grouped into say ten claims (400 acres) further exploration could be justified. The area is geologically favorable for sulphide deposition.

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## CONCLUSIONS AND RECOMMENDATIONS

The anomalous geological conditions indicated by the VLF and the magnetic survey have been tested by six exploratory drill holes.

Five of the holes in the central portion of the property show such low gold values that there is no encouragement to recommend further exploration on this portion of the property.

However, drill hole No. 6, testing a strong east-west conductive zone geophysically traced on the southern claims of the property, has intersected a zone of carbonaceous beds of soft layered graphite, fairly well mineralized, some 48 feet wide. The sulphides are chiefly pyrite. This zone is traced for 3000 feet across the property, and extends beyond the property to the west and to the east. This section should not be neglected; sulphide bodies are found associated with graphite zones where structural folding and faulting may favor mineral deposition.

It is recommended that claims on the strike be acquired at reasonable expense and a detailed geophysical survey be made to locate and trace anomalies that may indicate sulphide bodies.

The northern five claims have not been examined. These are underlain by Keewatin lavas and Algoman gabbro or diabase displaced by the Amikougami Creek fault zone. If adjacent claims could be acquired at reasonable expense an exploratory survey would be justified because of the favorable geological conditions.

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GEOPHYSICAL SURVEYS
COBALT, ONT

CERTIFICATE OF QUALIFICATIONS

TO ACCOMPANY MY REPORT ON THE DIAMOND DRILLING

ON THE PROPERTY OF

TECKORA MINES LIMITED

TECK TOWNSHIP, ONTARIO

This is to certify that,

a/ My address is Box 293, Cobalt, Ontario.
My birth place and date is St. Marys, Ontario, January 17th, 1906.

b/ I am a member in good standing of the Association of Professional Engineers of Ontario. For the last ten years I have specialized in the examination of mining properties by geophysical and other methods in northern Ontario. I am a Life Member of the C.I.M.M.

c/ and d/ This report is based upon past experience in this area, a geophysical survey completed on this property and reported on December 30th, 1971, and the recent diamond drilling completed on April 26th, 1972, which I supervised.

e/ Background information is derived from "Fifty-seventh Annual Report Ontario Department of Mines, Volume LVII, Part 5, 1948", and Ontario Department of Mines Mineral Resources Circular No. 3, "Mineral Resources and Mining Properties in the Kirkland Lake - Larder Lake Area" by W. S. Savage.

f/ I have not received and do not expect to receive any interest, directly or indirectly, in the property of this company or any affiliate, and do not beneficially own, directly or indirectly, any securities of the company or any affiliate, nor do I expect to receive any interest.

g/ This report is available for inspection by the public with the permission of the company, but excerpts from the report must have written approval to assure that they are not out of context.

Douglas Burton

Douglas Burton, P. Eng.
Geophysicist

D. E. BURTON

Cobalt, Ontario
May 4th, 1972

DOUGLAS BURTON, P. ENG
GEOPHYSICAL SURVEYS
COBALT, ONT

I want to reiterate that I believe there is a good chance of finding ore bodies in this area.

This report is,

Respectfully submitted,

Douglas Burton

Douglas Burton, P. Eng.
Geophysicist

Cobalt, Ontario
May 4th, 1972

8 copies

12-80

P. O. BOX 187
HAILEYBURY, ONT.

TELEPHONE
672-3107

# BELL-WHITE ANALYTICAL LABORATORIES LTD.

ASSAYERS AND ANALYTICAL CHEMISTS

## Certificate of Analysis

NO. 1821 DATE April 3, 1972.

WE HAVE ASSAYED eleven SAMPLES OF core

RECEIVED March 30, 1972 AND SUBMITTED BY Douglas Burton, Esq.,

Teckora Mines Ltd., WITH THE FOLLOWING RESULTS:

| Sample No. | Oz. Gold | Hole No. |
|---|---|---|
| B2151 | Trace | 1 - 257 |
| B2152 | 0.01 | 1 - 265 |
| B2153 | Trace | 1 - 428 |
| B2154 | Trace | 1 - 437 |
| B2155 | Trace | 1 - 333 |
| B2156 | Trace | 1 - 234 |
| B2157 | 0.005 | 1 - 228 |
| B2158 | Trace | 4 - 117 |
| B2159 | Trace | 5 - 057 |
| B2160 | Nil | 5 - 272 |
| B2161 | Trace | 5 - 276 |

ACCTLC

IN ACCORDANCE WITH LONG ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE, GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER

P. O. BOX 187
HAILEYBURY, ONT.

TELEPHONE
672-3107

# BELL-WHITE ANALYTICAL LABORATORIES LTD.

ASSAYERS AND ANALYTICAL CHEMISTS

## Certificate of Analysis

NO. 2305 DATE April 25, 1972.

WE HAVE ASSAYED four SAMPLES OF core

RECEIVED April 25/72 AND SUBMITTED BY Douglas Burton, Esq.,

Teckora Mines Ltd., WITH THE FOLLOWING RESULTS:

| Sample No. | Oz. Gold | Teckora No. |
|---|---|---|
| B2162 | Trace | 80 - 6-46 |
| B2163 | Trace | 80 - 6-56 |
| B2164 | Trace | 80 - 6-87 |
| B2165 | Trace | 80 - 6-123 |

ACCTLC

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER

P. O. BOX 197
HAILEYBURY, ONT.

TELEPHONE
672-3107

# BELL-WHITE ANALYTICAL LABORATORIES LTD.

ASSAYERS AND ANALYTICAL CHEMISTS

## Certificate of Analysis

NO. 2401 DATE April 29, 1972.

WE HAVE ASSAYED three SAMPLES OF core

RECEIVED April 27, 1972 AND SUBMITTED BY Douglas Burton, Esq.,

Teckora Mines Ltd. WITH THE FOLLOWING RESULTS:

| Sample No. | Oz. Gold | Copper ppm | Lead ppm | Zinc ppm | Teckora No. |
|---|---|---|---|---|---|
| B2166 | 0.002* | 35 | <15 | <15 | 80-6-177 |
| B2167 | <.001* | 58 | <15 | <15 | 80-6-209 |
| B2168 | 0.001* | 116 | <15 | <15 | 80-6-260 |

NOTE: *denotes ± 0.0005

· denotes less than

ACCTLC

IN ACCORDANCE WITH LONG ESTABLISHED NORTH AMERICAN [illegible] ALL ASSAYS ARE CARRIED OUT ON SAMPLES AS RECEIVED AND NO RESPONSIBILITY IS ASSUMED FOR SAMPLING METHODS OR THE REPRESENTATIVE NATURE OF ANY SAMPLE.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER

72-80

Company TECKORA MINES LIMITED

# Drill Hole Log

80 - 2

**Dip Tests**

At 400 Ft. -47°
At Ft.
At Ft.
At Ft.
At Ft.
At Ft.

Property Teck Township
At
Claim No. 317181 & 317182
Working Place
Baseline Footage N1450
Baseline Offset E 400
Date Started Feb. 16,
Date Completed Feb. 20, 1972

Hole Number
Dip -47½°
Length 421
Bearing north
Elev. Collar
Horiz. Trace
Vert. Trace
Date Logged March 29th, 1972

| FROM | TO | DESCRIPTION | | | | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| 0 | 20' | CASING | | | | |
| | | | | | | |
| 20 | 421 | dark altered coarse-grained gabbro | | | | |
| | | | | | | |
| | | 280' talc slip 1/16" | | | | |
| | | most of the fractures and slips are | | | | |
| | | at about 45° to core | | | | |
| | | | | | | |
| | 421 | END OF HOLE | | | | |
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| | | | | | | |
| | | | | | | |
| | | END OF HOLE | | | | |

Logged by Douglas Burton

Company TECKORA MINES LIMITED 72 - 80

# Drill Hole Log

80 - 1

**Dip Tests**

At 400 Ft. -49°
At Ft.
At Ft.
At Ft.
At Ft.
At Ft.

Property Teck Township
At Amikougami Creek
Claim No. 317181
Working Place
Baseline Footage N450
Baseline Offset E800
Date Started Feb. 12,
Date Completed Feb. 15, 1972

Hole Number
Dip -45°
Length
Bearing 045° NE
Elev. Collar
Horiz. Trace 305'
Vert. Trace
Date Logged March 29th, 1972

| FROM | TO | DESCRIPTION | | | oz. gold | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| 0 | 10 | CASING | | | | |
| | | | | | | |
| 10 | 445 | dark altered coarse-grained gabbro | | | | |
| | | most of the fractures are at about 45° to the core | | | | |
| | | 118' . 6" spotted alteration | | | | |
| | | 146' 1/16" rusty slip | | | | |
| | | | | | | |
| | | 228.0 - 228.5 6" wh. qtz | | | 0.005 | B2157 |
| | | 234.0 - 235.3 15" wh. qtz. | | | trace | B2156 |
| | | 257.0 - 258.0 12" wh. qtz. | | | trace | B2151 |
| | | 265.0 - 26515 6" wh. qtz. | | | 0.01 | B2152 |
| | | 333.5 - 334.0 6" wh. qtz. | | | trace | B2155 |
| | | 428.0 - 432.0 48" wh. qtz. | | | trace | B2153 |
| | | 437.5 - 438.0 6" wh. qtz. | | | trace | B2154 |
| | | | | | | |
| | 445 | END OF HOLE | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | END OF HOLE | | | | |

Logged by Douglas Burton
Douglas Burton

Company TECKORA MINES LIMITED 72 - 80

# Drill Hole Log

**Dip Tests**

At 400 Ft. -44°
At Ft.
At Ft.
At Ft.
At Ft.
At Ft.

Property Teck Township
At
Claim No. 317179
Working Place
Baseline Footage N1200
Baseline Offset W1600
Date Started Feb. 20,
Date Completed Feb. 28, 1972

Hole Number 80 - 3
Dip -45°
Length 425
Bearing 330°
Elev. Collar
Horiz. Trace 305'
Vert. Trace
Date Logged March 29, 1972

| FROM | TO | DESCRIPTION | | | | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| 0 | 25 | CASING | | | | |
| | | | | | | |
| 25 | 425 | basic altered coarse-grained gabbro | | | | |
| | | most of the fractures and slips are at 45° to the core | | | | |
| | | rusty open vugs lost core 55-57 | | | | |
| | | " " 65-66' | | | | |
| | | " " 75-100' | | | | |
| | | 100 - 125 coarse-grain some pyr. | | | | |
| | | 278' rusty seam | | | | |
| | | 279' rusty seam | | | | |
| | | | | | | |
| | 425 | END OF CORE | | | | |
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| | | END OF HOLE | | | | |

Logged by Douglas Burton. (Douglas Burton)

Company TECKORA MINES LIMITED

72 - 80

# Drill Hole Log

80 - 4

**Dip Tests**

At 400 Ft. -41°
At Ft.
At Ft.
At Ft.
At Ft.
At Ft.

Property Teck Township
At
Claim No. 317184
Working Place
Baseline Footage N1485
Baseline Offset W1985
Date Started Feb. 29,
Date Completed Mar. 5, 1972

Hole Number
Dip -45°
Length 422
Bearing 150°
Elev. Collar
Horiz. Trace
Vert. Trace
Date Logged March 29, 1972

| FROM | TO | DESCRIPTION | | | oz. gold | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| 0 | 70 | CASING | | | | |
| | | | | | | |
| 70 | 422 | dark basic altered coarse-grained gabbro | | | | |
| | | most of the fractures and seams at about 45° to the core | | | | |
| | | | | | | |
| | | 100 - 150' mu/ch shattered and broken | | | | |
| | | 117.0 - 120.0 36" wh. qtz. | | | trace | B2158 |
| | | 163 - 165 rusty seams | | | | |
| | | 343 rusty seam | | | | |
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| | 422 | END OF HOLE | | | | |
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| | | END OF HOLE | | | | |

Logged by Douglas Burton.
Douglas Burton.

Company TECKORA MINES LIMITED 72 - 80

# Drill Hole Log

**Dip Tests**

At 390 Ft. -39°
At Ft.
At Ft.
At Ft.
At Ft.
At Ft.

Property Teck Township
At Amikougami Creek
Claim No.
Working Place
Baseline Footage N750
Baseline Offset E800
Date Started Mar. 6,
Date Completed Mar. 9, 1972

Hole Number 80 - 5
Dip -45°
Length 402
Bearing 45° NE
Elev. Collar
Horiz. Trace
Vert. Trace
Date Logged March 29th, 1972

| FROM | TO | DESCRIPTION | | | oz. gold | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| 0 | 48 | CASING | | | | |
| 48 | 402 | dark altered coarse-grained gabbro | | | | |
| | | most of the fractures and slips are at about 45° to the core | | | | |
| | | 57.0 - 58.0 12" wh. qtz. | | | trace | B2159 |
| | | 272.0 -273.0 12" wh. qtz. | | | nil | B2160 |
| | | 276.0 -276.5 6" wh. qtz. | | | trace | B2161 |
| | | 300 - 315 spotted alteration | | | | |
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| | 402 | END OF HOLE | | | | |
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| | | END OF HOLE | | | | |

Logged by Douglas Burton. Douglas Burton

Company TECKORA MINES LIMITED 72-80

# Drill Hole Log

80 - 6

**Dip Tests**

At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

Property Teck Township
At .....
Claim No. 317178
Working Place .....
Baseline Footage S 850
Baseline Offset W 2000
Date Started April 22
Date Completed April 25

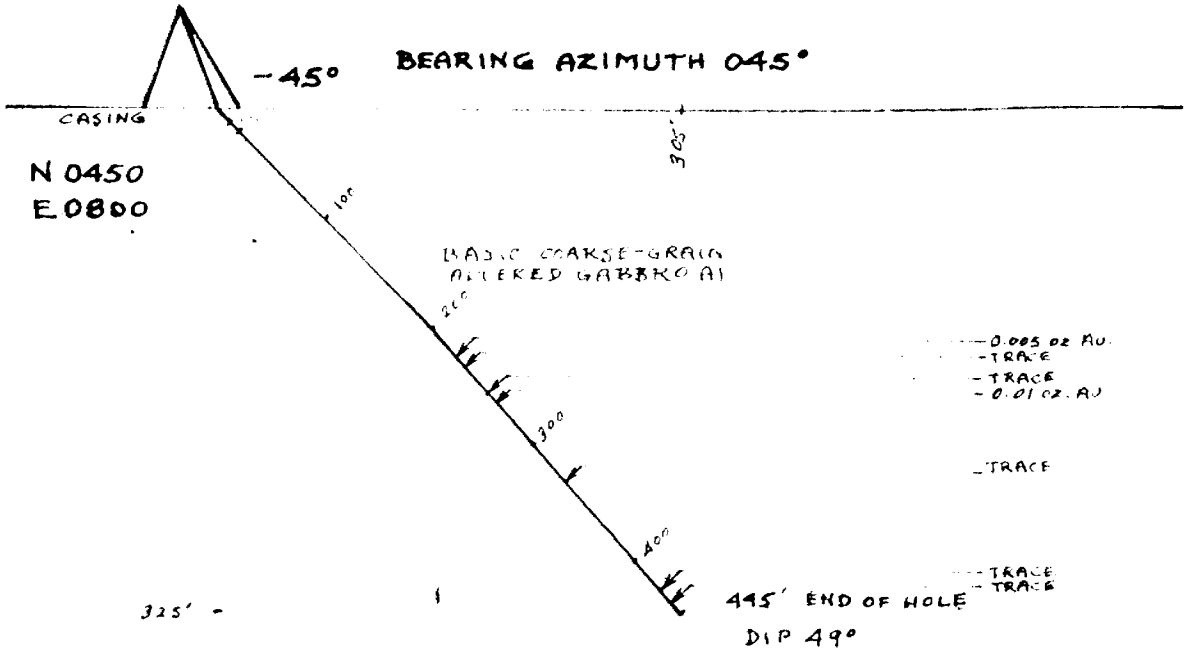
Hole Number
Dip -45°
Length 330 feet
Bearing North
Elev. Collar .....
Horiz. Trace 235
Vert. Trace 235
Date Logged April 24 & 28, 1972

| FROM | TO | DESCRIPTION | | copper ppm | ozs. gold | SAMPLE NUMBER |
|---|---|---|---|---|---|---|
| 0 | 35 | CASING | | | | |
| 35 | 180 | Light-gray fine-grained andesite | | | | |
| | | brecciated in places (pillows) | | | | |
| | | 46.8 - 47.2 4" pyr in fractures | | | trace | B2162 |
| | | 56.0 - 56.8 10" wh. qtz. trace pyr and chalco | | | trace | B2163 |
| | | 87.0 - 87.5 6" wh. qtz. | | | trace | B2164 |
| | | 123.0 -123.4 4" wh. qtz. | | | trace | B2165 |
| | | 177.8 -179.0 14" pyritized lava 2% sulphides | | 35 | trace | B2166 |
| 180 | 282 | Light-gray, fine-grained lava and tuff | | | | |
| | | 209.0 - 223.0 162" carbonaceous (graphite) soft, black laminated with calcite stringers | | | | |
| | | 225.0 - 226.5 18" " | | | | |
| | | 239.0 - 250.0 132" " | | | | |
| | | 253.0 - 257.5 54" " | | | | |
| | | 209.0 - 209.5 6" carbonaceous fine-grained lava | | 58 | TRACE | B2167 |
| | | 260.8 - 261.5 7" brecciated lava 2% sulphides | | 116 | trace | B2168 |
| 282 | 330 | Altered gabbro, medium-grain | | | | |
| | 330 | END OF HOLE | | | | |
| | | END OF HOLE | | | | |

6

Logged by Douglas Burton

SOUTHWEST ← FACING NORTHWEST → NORTHEAST




SCALE IN FEET 1"=125'

0 100 200 300 400 500 FEET

RATIO 1:1500

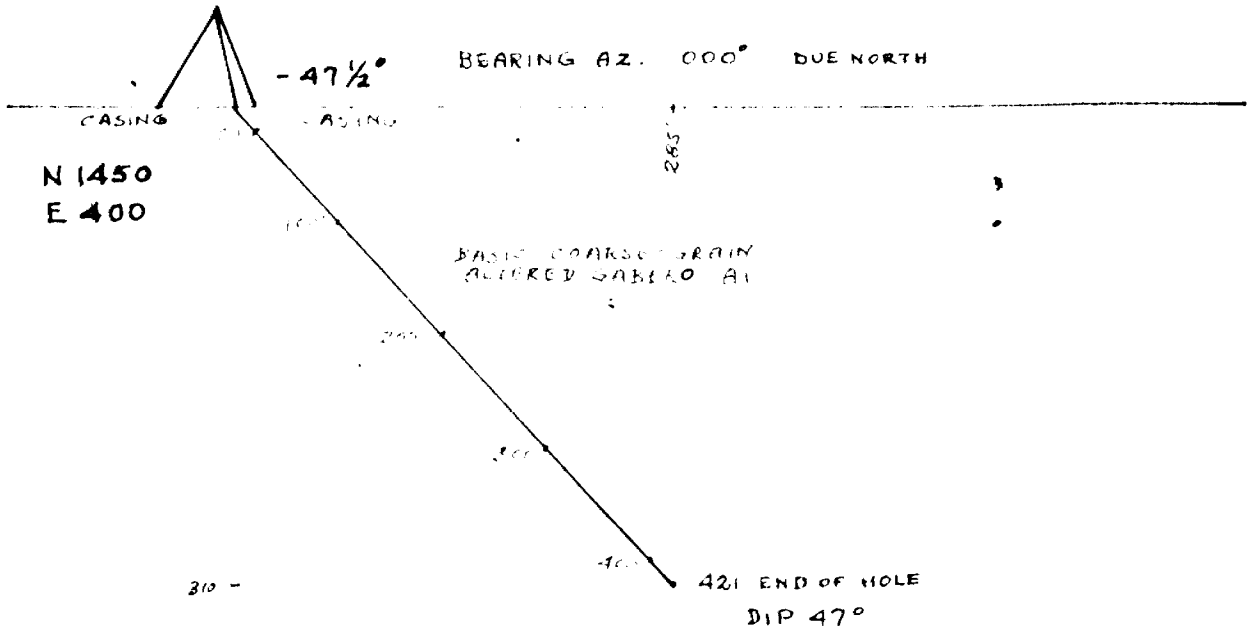
Douglas Burton.

# TECKORA D.H. No. 1

72-80

SOUTH ← → NORTH

FACING WEST




SCALE IN FEET 1" = 125'

0 100 200 300 400 500 FEET

0 10 20 30 40 50 60 70 80 90 100 120 150 METERS

RATIO 1:1500

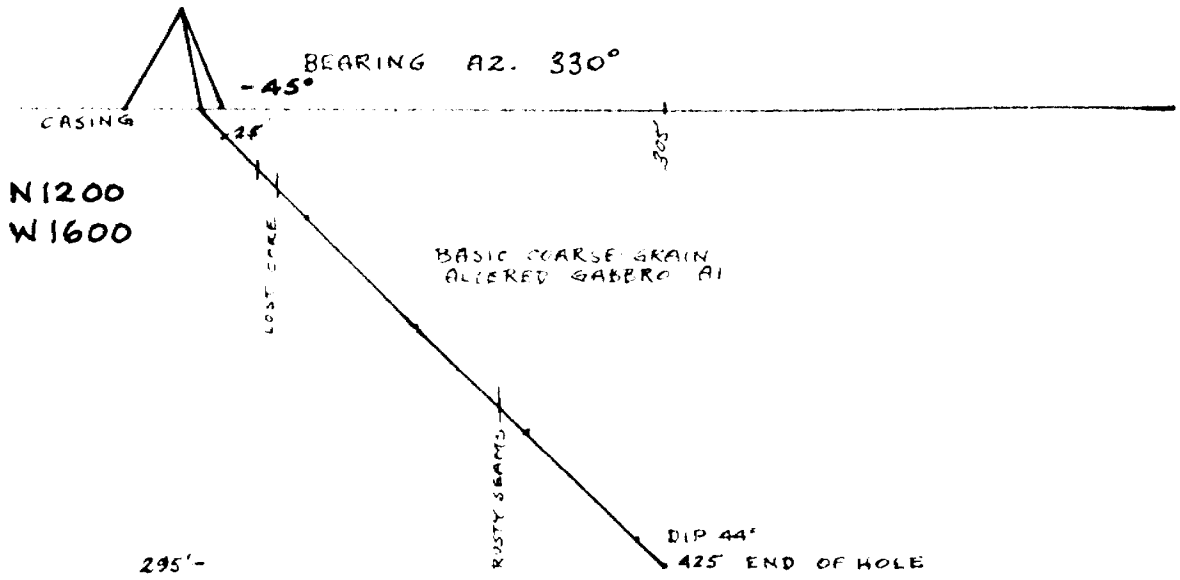
Douglas Burton.

# TECKORA D.H. No 2

72-80

SOUTHEAST ← → NORTHWEST

FACING SOUTHWEST




SCALE IN FEET 1"=125'

0 100 200 300 400 500 FEET

RATIO 1:1500

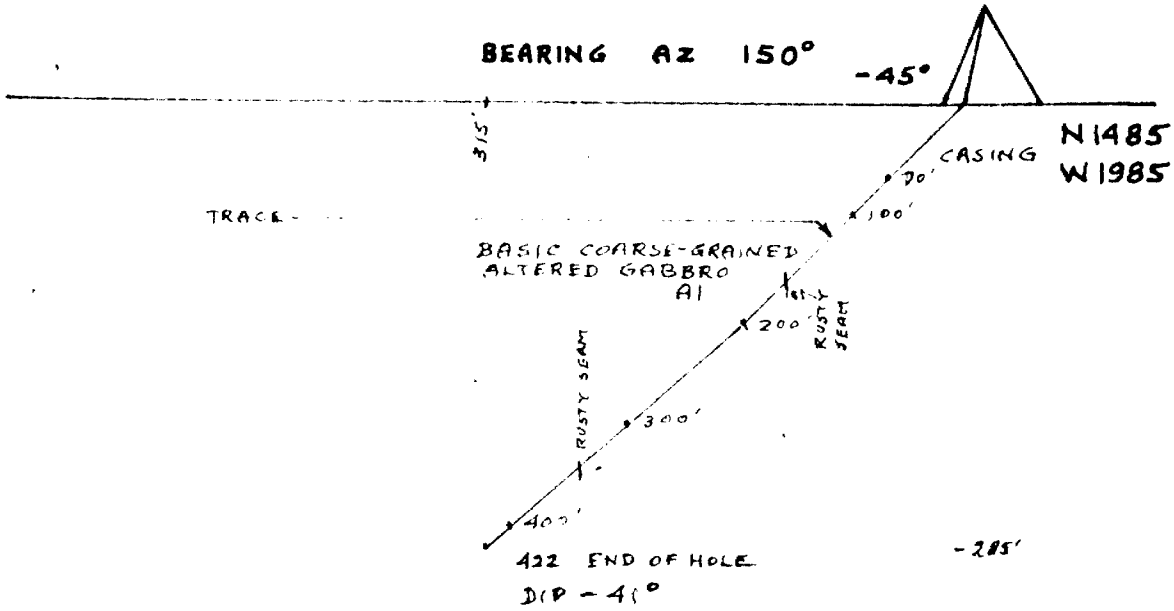
Douglas Burton.

# TECKORA D.H. No. 3

72-80

SOUTHEAST ⟷ NORTHWEST

FACING SOUTHWEST




SCALE IN FEET 1" = 125'

0 100 200 300 400 500 FEET

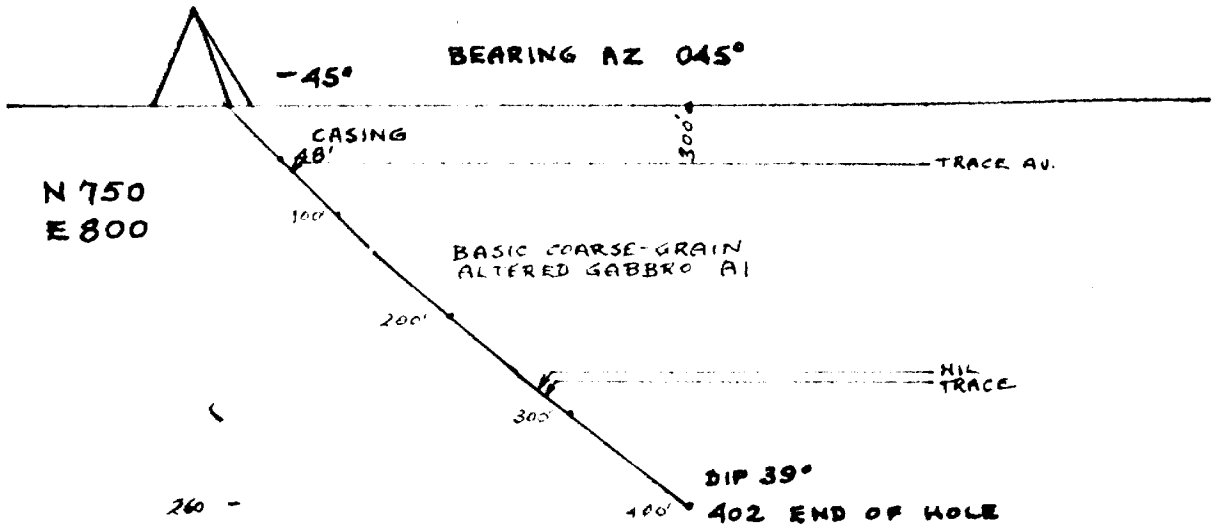
RATIO 1:1500

Douglas Burton.

# TECKORA D.H. No. 4

72-80

SOUTHWEST ← FACING NORTHWEST → NORTHEAST




SCALE IN FEET 1"=125'

0 100 200 300 400 500 FEET

RATIO 1:1500

Douglas Burton

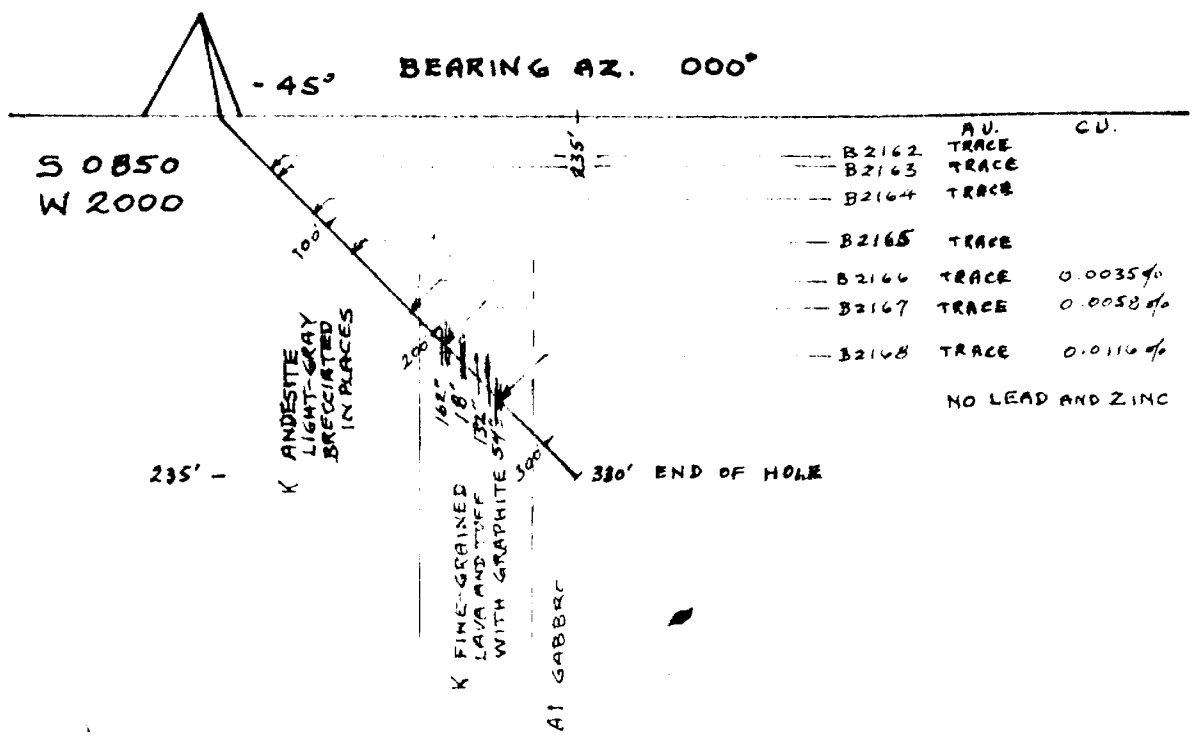
# TECKORA D.H. No. 5

72-80

6

SOUTH ⟵ ⟶ NORTH

FACING WEST




| | AU. | CU. |
|---|---|---|
| B2162 | TRACE | |
| B2163 | TRACE | |
| B2164 | TRACE | |
| B2165 | TRACE | |
| B2166 | TRACE | 0.0035% |
| B2167 | TRACE | 0.0058% |
| B2168 | TRACE | 0.0116% |

NO LEAD AND ZINC

1" = 125'

0 100 200 300 400 500 FEET

0 10 20 30 40 50 60 70 80 90 100 120 150 METERS

1:1500

Douglas Burton

# TECKORA D.H. No 6

72-80

6

GEOLOGICAL CONTACTS FROM
DEPARTMENT OF MINES MAP NO 1945-1
"TOWNSHIP OF TECK", SCALE 1"=1000'

| | | |
|---|---|---|
| ALGOMAN | A9 | SYENITE |
| | A1 | GABBRO |
| TIMISKAMING | T2 | CONGLOMERATE |
| | T1 | GREYWACKE |
| KEEWATIN | K1 | VOLCANICS |

PICKET LINES TRACED FROM MAP
BY T.D. BROWN DEC. 2, 1971

SCALE IN FEET 1"= 250'

0 500 1000 1500 2000 2500 3000 FEET

0 100 200 300 400 500 600 700 800 900 METERS

RATIO 1: 3000

# MAP SHOWING THE LOCATION OF THE DRILL HOLES ON THE PROPERTY OF TECKORA MINES LIMITED TECK TOWNSHIP ONTARIO

TO ACCOMPANY REPORT BY
DOUGLAS BURTON
COBALT, ONTARIO
MAY 4, 1972

Douglas Burton

72-80-1
D.B 1972

LARDER
LAKE #99

TECK TWP.

SCALE 1"= 1320'

TRACED FROM CLAIM MAP

200

42A01NE0235 14 TECK

252 6