



42A11SE0204 2.4453 CODY

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PLACER DEVELOPMENT, LIMITED

Assessment Report

of

Geochemical Survey

Cody Township Property

Cody Township, Porcupine Mining Division, Ontario

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**MINING LANDS SECTION**

December 3, 1981

Toronto, Ontario

D.R. Pyke, Ph.D.



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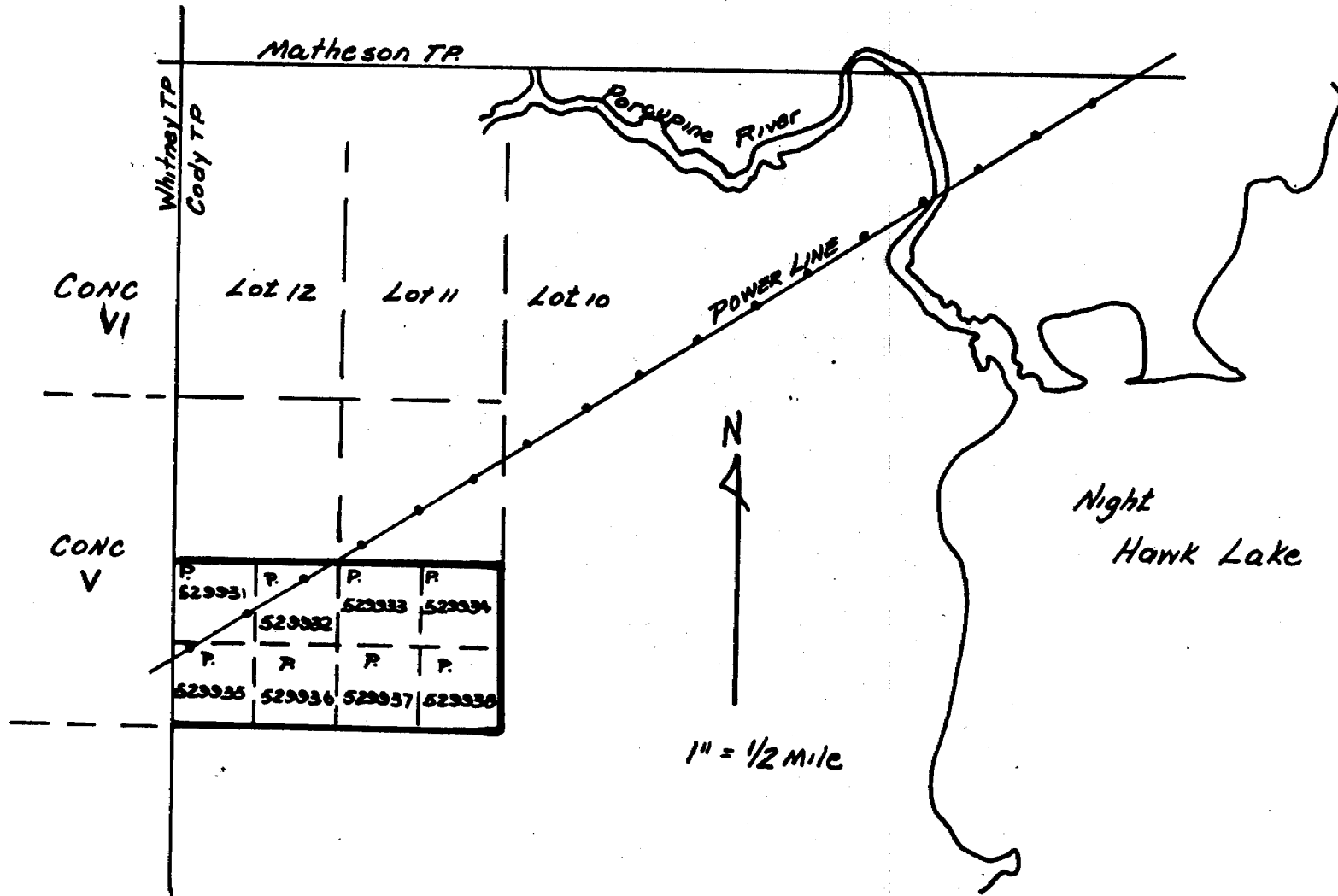


Figure 1a - Location of Cody Township property.

## Introduction

This report covers a geochemical survey carried out over a claim group located in northwest Cody Township, Porcupine Mining Division (Figure 1). The claim group is referred to as the Cody Township Property. The claim numbers and their corresponding locations are tabulated below:

### Claim Numbers

|           |   |
|-----------|---|
| P. 529931 | NW $\frac{1}{4}$ , S. $\frac{1}{2}$ , Lot 12, Concession V, Cody Twp. |
| P. 529932 | NE $\frac{1}{4}$ , S. $\frac{1}{2}$ , Lot 12, Concession V, Cody Twp. |
| P. 529933 | NW $\frac{1}{2}$ , S. $\frac{1}{2}$ , Lot 11, Concession V, Cody Twp. |
| P. 529934 | NE $\frac{1}{4}$ , S. $\frac{1}{2}$ , Lot 11, Concession V, Cody Twp. |
| P. 529935 | SW $\frac{1}{4}$ , S. $\frac{1}{2}$ , Lot 12, Concession V, Cody Twp. |
| P. 529936 | SE $\frac{1}{4}$ , S. $\frac{1}{2}$ , Lot 12, Concession V, Cody Twp. |
| P. 529937 | SW $\frac{1}{4}$ , S. $\frac{1}{2}$ , Lot 11, Concession V, Cody Twp. |
| P. 529938 | SE $\frac{1}{4}$ , S. $\frac{1}{2}$ , Lot 11, Concession V, Cody Twp. |

The claims are currently held by Placer Development Limited, 401 Bay Street, Simpson Tower, Suite 2600, Toronto, Ontario.

### Access

The property may be reached by walking the right of way for a power transmission line which extends from the Porcupine River southwest to the claim group, a distance of two miles.

### Previous Work

The area was previously mapped by Hurst (1939), Berry (1940) and more recently by Leahy (1971).

To the writer's knowledge, the only exploration work done on the property is that reported by Leahy (1971). In 1936, Wineva Gold Mines Limited drilled three holes totalling 1,954 feet; assays for gold ranged from nil to 0.26 ounces per ton. The exact location of the holes is unknown, but Leahy indicates that they were probably drilled in the northeast part of the claim group. In addition, J.W. Young reportedly did some test pitting (1938-1940?); assays for gold ranged from trace to 0.12 ounces per ton.

#### Topography and Drainage

The property is characterized by low relief, the maximum variation in elevation being only about 20 feet.

With the exception of claim P. 529936, the western half of the area surveyed is largely covered by muskeg, containing sparse to moderate growths of black spruce, cedar and lesser tamarack trees. The eastern half of claim P. 529937 is also largely covered by muskeg. The remaining property area is essentially dry and wooded with black spruce and poplar trees.

#### Glacial Geology

Glacial material of Pleistocene age covers over eighty percent of the area surveyed and consists of a sequence of glaciolacustrine clays and silts (Lee, 1979).

The depth of overburden on the property in areas where no outcrop occurs has been tested only through the Wineva Gold Mines diamond drilling. The drilling indicated an overburden depth of twelve feet in this region. The average depth of overburden across the remaining property area is not known.

However, as areas of outcrop occur intermittently on the western three-quarters of the property, it is probable that the depth of overburden covering the area does not exceed 20-30 feet.

#### General Geology

The area is immediately south of the Destor-Porcupine Fault, and is one where a thick wedge of sediments, intercalated with mafic volcanics, have been folded into a broad anticline, the axis of which trends northeast across part of Cody and Whitney Townships (Hogg, 1951)(Figure 2). The mafic volcanics form part of the Lower Tisdale Group rocks. Deloro Group volcanics of felsic tuff and lapilli-tuff from the main core of the anticline in Whitney Township.

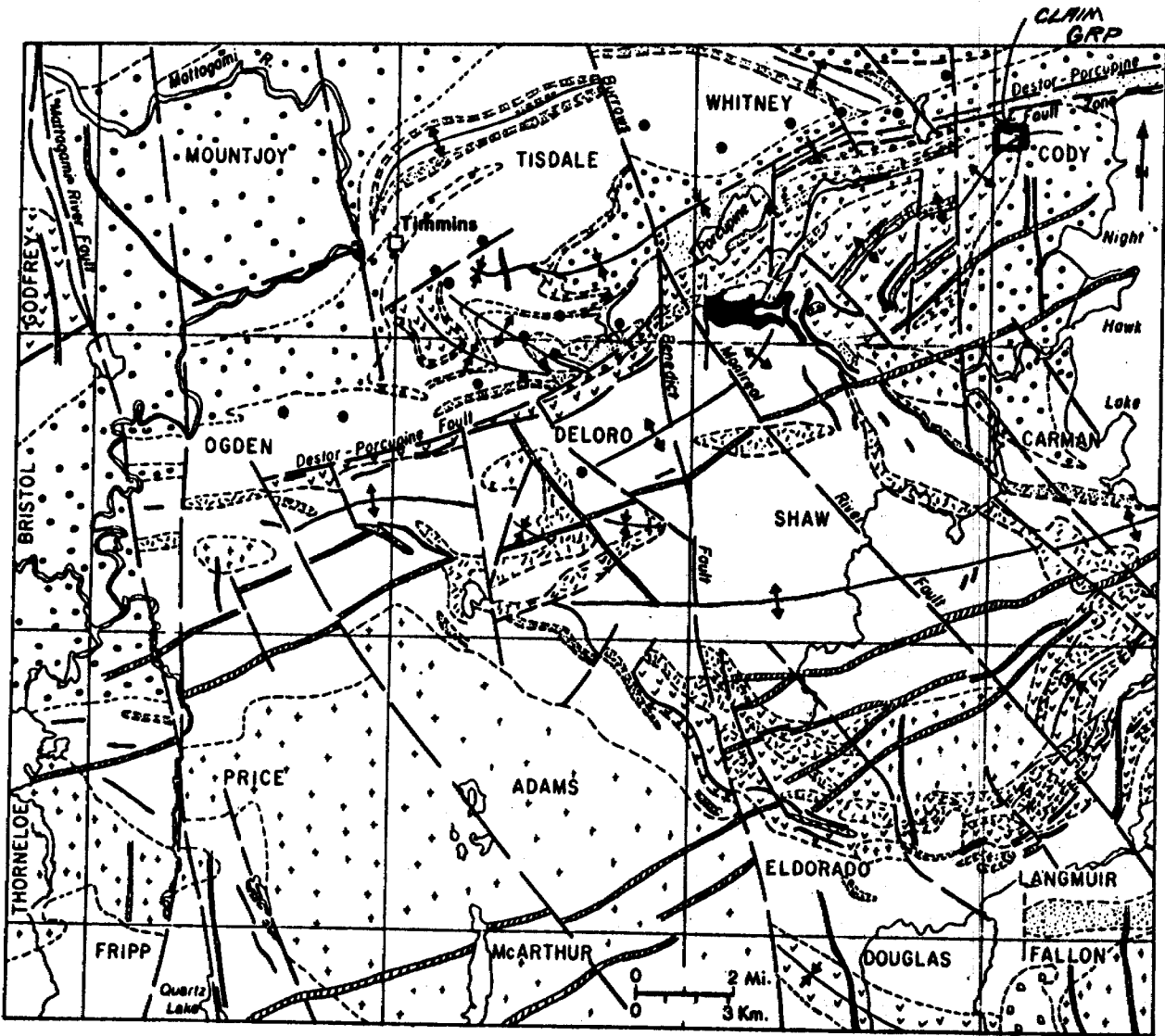
#### Property Geology

The claims straddle the axial trace of a northeast plunging anticline (Figure 2), and are underlain mainly by poorly sorted sediments consisting of greywacke, siltstone and lesser intercalated tuffs. Mafic volcanics outcrop in the southwest corner of the claims, and a number of north trending diabase dikes traverse the property.

#### Present Survey

The survey completed by Comstate Resources Limited was carried out during the period August 14 - 18, 1981. The work was performed by James Roberts (presently residing at Stanley Mission, Saskatchewan), under the supervision of D.R. Pyke.

The survey entailed sampling of the humus (A<sup>0</sup>) horizon. This horizon was variably developed over the property. On the



**LEGEND**

- MIDDLE PRECAMBRIAN**  
Cobalt Formation
- Greywacke, arkose, argillite, conglomerate
  - Unconformity
- EARLY PRECAMBRIAN**
- Diabase\*
  - Intrusive Contact
  - Granitic intrusive rocks
  - Intrusive Contact

- Ultramafic intrusive rocks
  - Intrusive Contact
  - Sediments (dominantly turbidites)
  - Iron formation
  - Felsic to intermediate volcanics
  - Mafic volcanics
  - Ultramafic volcanics
- \*Some diabase dikes are Middle to Late Precambrian

**SYMBOLS**

- Location of gold mine (present and past producer)
- Fault
- Anticlinal axis
- Synclinal axis
- Geological boundary

Figure 1. Geological sketch map of the Timmins area (after Pyke 1974a).

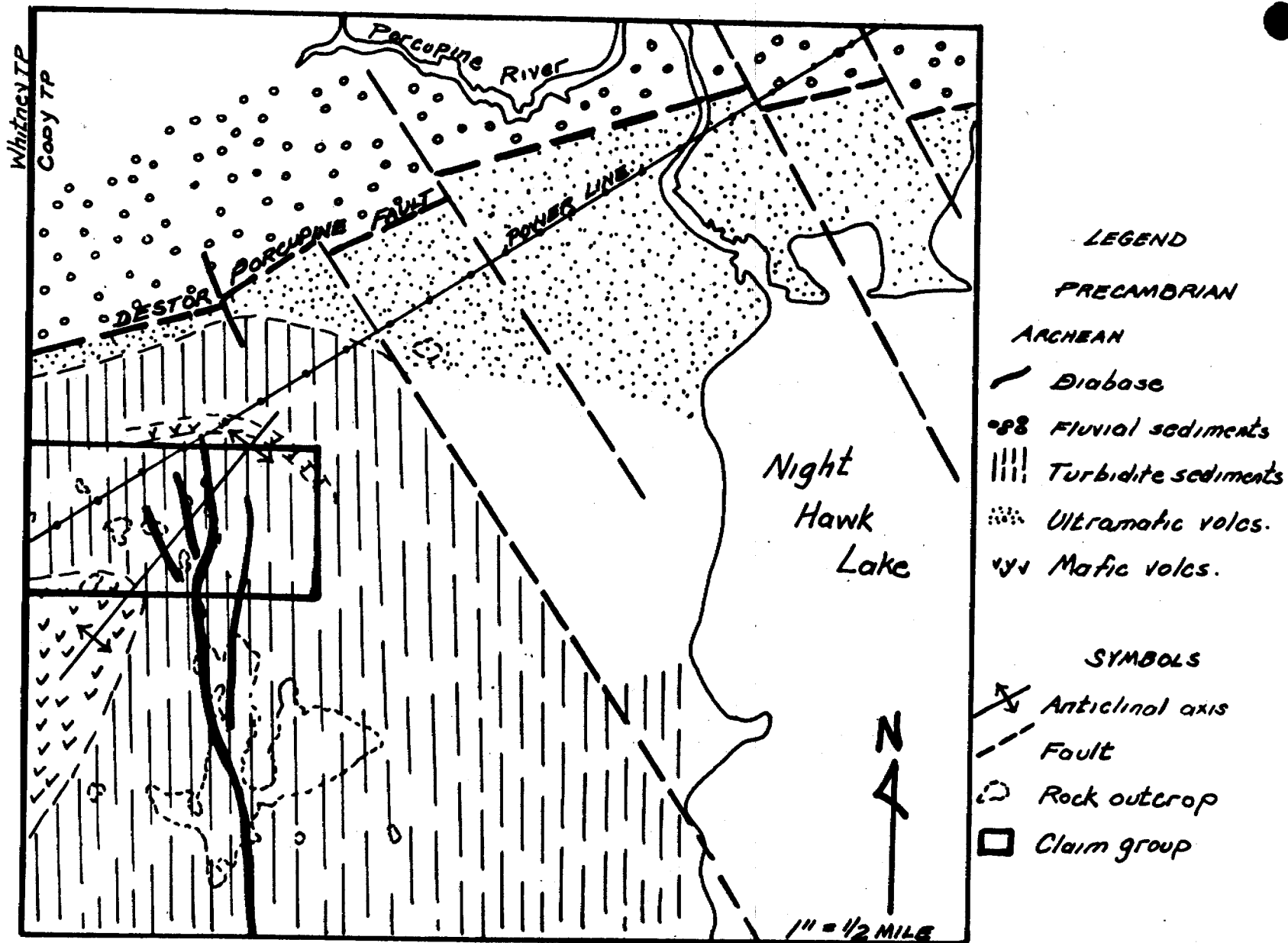


Fig. 2 General geology in vicinity of Cody Township property. Geology modified after Leahy, 1971.



western portion of the claim group, which is largely covered by muskeg, the humus layer ranged from 1 to 4 inches thick, and was found to be extremely damp and dark brown to black in color. In the drier wooded areas, the best development of humus material was often found proximal to the base of larger spruce and poplar trees, with the material often displaying a spongy texture.

Sample location sites are plotted on Map A accompanying this report. Samples were collected at 100 foot intervals along fourteen north-south lines (spaced 400 feet apart) traversing the property.

A total of 378 samples were obtained from the property. The samples were subsequently hang-dried and submitted to X-Ray Assay Laboratories for geochemical analysis. 374 samples were analyzed for gold (parts per billion) and arsenic (parts per million). The remaining samples were found to lack sufficient humic content and were not analyzed.

#### Survey Results

The survey results are plotted on Maps B and C accompanying this report and are also displayed in Appendix A. The survey method is described in Appendix B.

#### Gold Content in Humus - Map B

Gold values obtained from humus samples collected on the property ranged from less than one part per billion up to 46 parts per billion. Background gold content in the humus horizon appears to be less than 20 parts per billion.

The survey outlined five (5) major areas of anomalous gold concentration in the humus horizon (Areas 'A' - 'F'):

- Area 'A' - comprises three sample stations yielding gold values ranging from 28 to 33 parts per billion. The area trends roughly north-south, lying between sample stations 12 N and 7 N on line 4E.
- Area 'B' - is located approximately 300 feet southeast of Area 'A' and is defined by seven sample stations yielding gold values between 20 and 34 parts per billion. Area 'B' trends east-west for a distance of 800 feet.
- Area 'C' - is centered upon the intersection of the Base Line and Line 0E. The area comprises five sample stations yielding gold values ranging from 20 to 46 parts per billion, and trends roughly east-west for a distance of 400-500 feet.
- Area 'D' - trends east-west and comprises two sample stations yielding gold values of 30 and 33 parts per billion, located at sample stations 7S,0E and 7S,4E.
- Area 'E' - the largest of all the major anomalies, Area 'E' is defined by 13 sample stations yielding gold values ranging from 22 to 38 parts per billion. Located in the north-central portion of the area surveyed and lying between lines 20E and 28E, Area 'E' is of irregular outline and displays a vague east to northeast trend.
- Area 'F' - comprises five sample stations yielding gold values between 20 and 44 parts per billion, located approximately 400 feet southeast of Area 'E', between lines 28E and 32E.

In addition to the major areas mentioned above, a number of weaker (20-29 parts per billion), east-west trending anomalies occur intermittently throughout the area surveyed. On claim P. 529938, covering the southeast corner of the property, four such anomalies occur which may represent the easterly extension of Area 'E'.

#### Arsenic Content in Humus - Map C

The survey outlined only one major area of anomalous arsenic concentration in the humus horizon:

Area 'a' - comprises five sample stations yielding arsenic values ranging from 18 to 29 parts per million. Area 'a' is coincident with gold anomaly 'B' and extends westward to the immediate south border of gold anomaly 'A'.

A number of minor (1-3 sample station) arsenic anomalies were also detected on the area surveyed. Most of these anomalies display an east to northeast trend. Gold anomaly 'E' coincides with one of the three sample-station arsenic anomalies.

#### Conclusions and Recommendations

Lack of continuity of the major anomalous areas plus the relatively low gold and arsenic values found in these areas indicate that the geochemical anomalies detected are weak and may not reflect a bedrock source for the gold and arsenic. However, the stratigraphy of the underlying bedrock trends in an easterly to northeasterly direction, which is the trend displayed by a great number of the

geochemical anomalies detected.

It is recommended that follow-up work consist of geophysical (V.L.F. and magnetometer) surveys to aid in delineation of the structure and stratigraphy of the area. More detailed humus sampling followed by overburden drilling in the vicinity of coincident geophysical and geochemical anomalies (should they occur) would perhaps best serve to further evaluate the mineral potential of the property.

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1 : 100,000

APPENDIX A

Humus Sample Analytical Results - Cody Township Property

| SAMPLE  | AU PPB | AS PPM | SAMPLE  | AU PPB | AS PPM |
|---------|--------|--------|---------|--------|--------|
| C52-11N | 5      | 11     | C44-10N | 6      | 5      |
| C52-10N | 12     | 8      | C44-9N  | 18     | 14     |
| C52-9N  | 15     | 12     | C44-8N  | 17     | 14     |
| C52-8N  | 3      | 8      | C44-7N  | 9      | 6      |
| C52-7N  | 11     | 8      | C44-6N  | 8      | 10     |
| C52-6N  | 14     | 14     | C44-5N  | 8      | 7      |
| C52-5N  | 15     | 13     | C44-4N  | 7      | 3      |
| C52-4N  | 11     | 9      | C44-3N  | 18     | 14     |
| C52-3N  | 12     | 10     | C44-2N  | 11     | 10     |
| C52-2N  | 9      | 13     | C44-1N  | 9      | 4      |
| C52-1N  | 10     | 12     | C44-BL  | 28     | 15     |
| C52-BL  | 9      | 9      | C44-1S  | 8      | 11     |
| C52-1S  | 11     | 10     | C44-2S  | 13     | 15     |
| C52-2S  | 11     | 10     | C44-3S  | 9      | 11     |
| C52-3S  | 3      | 6      | C44-4S  | 9      | 10     |
| C52-4S  | 14     | 8      | C44-5S  | 17     | 12     |
| C52-5S  | 25     | 14     | C44-6S  | 23     | 11     |
| C52-6S  | 17     | 10     | C44-7S  | 26     | 14     |
| C52-7S  | 17     | 9      | C44-8S  | 11     | 13     |
| C52-8S  | 22     | 11     | C44-9S  | 14     | 12     |
| C52-9S  | 11     | 10     | C44-10S | 10     | 12     |
| C52-10S | 12     | 9      | C44-11S | 21     | 11     |
| C52-11S | 14     | 10     | C44-12S | 23     | 13     |
| C52-12S | 20     | 10     | C44-13S | 14     | 12     |
| C52-13S | 13     | 12     | C40-13N | 16     | 8      |
| C48-13N | 11     | 15     | C40-12N | 5      | 8      |
| C48-12N | 26     | 13     | C40-11N | 16     | 9      |
| C48-11N | 13     | 17     | C40-10N | 11     | 9      |
| C48-10N | 13     | 15     | C40-9N  | 8      | 13     |
| C48-9N  | 17     | 11     | C40-8N  | 11     | 9      |
| C48-8N  | 13     | 7      | C40-7N  | 10     | 11     |
| C48-7N  | 15     | 9      | C40-6N  | 18     | 14     |
| C48-6N  | 20     | 16     | C40-5N  | 19     | 13     |
| C48-5N  | 12     | 16     | C40-4N  | 7      | 8      |
| C48-4N  | 17     | 16     | C40-3N  | 13     | 10     |
| C48-3N  | 27     | 13     | C40-2N  | 16     | 9      |
| C48-2N  | 24     | 11     | C40-1N  | 6      | 4      |
| C48-1N  | 19     | 16     | C40-BL  | 20     | 10     |
| C48-BL  | 23     | 8      | C40-1S  | 2      | 5      |
| C48-1S  | 16     | 10     | C40-2S  | 6      | 4      |
| C48-2S  | 18     | 10     | C40-3S  | 9      | 12     |
| C48-3S  | 21     | 11     | C40-4S  | 6      | 12     |
| C48-4S  | 15     | 12     | C40-5S  | 13     | 5      |
| C48-5S  | 23     | 11     | C40-6S  | 6      | 6      |
| C48-6S  | 15     | 8      | C40-7S  | 9      | 6      |
| C48-7S  | 21     | 11     | C40-8S  | 10     | 9      |
| C48-8S  | 17     | 8      | C40-9S  | 4      | 5      |
| C48-9S  | 23     | 15     | C40-10S | 13     | 5      |
| C48-10S | 12     | 9      | C40-11S | 8      | 8      |
| C48-11S | 25     | 11     | C40-12S | 11     | 12     |
| C48-12S | 29     | 10     | C40-13S | 14     | 4      |
| C48-13S | 15     | 18     | C36-13N | 8      | 2      |
| C44-13N | 21     | 13     | C36-12N | 13     | 4      |
| C44-12N | 12     | 9      | C36-11N | 19     | 5      |
| C44-11N | 10     | 9      | C36-10N | 3      | 3      |
| C52-13N | 7      | 8      |         |        |        |
| C52-12N | 14     | 8      |         |        |        |

| SAMPLE  | AU PPB | AS PPM | SAMPLE  | AU PPB | AS PPM |
|---------|--------|--------|---------|--------|--------|
| C36-9N  | 5      | 7      | C28-8N  | 26     | 19     |
| C36-8N  | 23     | 8      | C28-7N  | 2      | 2      |
| C36-7N  | NH     | NH     | C28-6N  | 11     | 10     |
| C36-6N  | 6      | 3      | C28-5N  | 8      | 8      |
| C36-5N  | NH     | NH     | C28-4N  | 10     | 5      |
| C36-4N  | <1     | 3      | C28-3N  | 5      | 7      |
| C36-3N  | 13     | 9      | C28-2N  | 8      | 5      |
| C36-2N  | 6      | 8      | C28-1N  | 6      | 5      |
| C36-1N  | 15     | 7      | C28-BL  | 11     | 11     |
| C36-BL  | 28     | 11     | C28-1S  | 16     | 10     |
| C36-1S  | 13     | 9      | C28-2S  | 13     | 9      |
| C36-2S  | 2      | 9      | C28-3S  | 10     | 9      |
| C36-3S  | 10     | 15     | C28-4S  | 24     | 11     |
| C36-4S  | 25     | 14     | C28-5S  | 22     | 12     |
| C36-5S  | 10     | 14     | C28-6S  | 14     | 10     |
| C36-6S  | 13     | 7      | C28-7S  | 14     | 12     |
| C36-7S  | 10     | 6      | C28-8S  | 17     | 12     |
| C36-8S  | 6      | 7      | C28-9S  | 17     | 11     |
| C36-9S  | 13     | 10     | C28-10S | NH     | NH     |
| C36-10S | 8      | 8      | C28-11S | 18     | 5      |
| C36-11S | 4      | 4      | C28-12S | 23     | 10     |
| C36-12S | 4      | 4      | C28-13S | 9      | 3      |
| C36-13S | 12     | 7      | C24-13N | 9      | 6      |
| C32-13N | 7      | 5      | C24-12N | 14     | 5      |
| C32-12N | 6      | 6      | C24-11N | 16     | 21     |
| C32-11N | 6      | 10     | C24-10N | 9      | 5      |
| C32-10N | 13     | 11     | C24-9N  | 21     | 13     |
| C32-9N  | 9      | 3      | C24-8N  | 12     | 11     |
| C32-8N  | 10     | 10     | C24-7N  | 8      | 6      |
| C32-7N  | 2      | 8      | C24-6N  | 7      | 6      |
| C32-6N  | 6      | 14     | C24-5N  | 9      | 5      |
| C32-5N  | 3      | 5      | C24-4N  | 16     | 8      |
| C32-4N  | 7      | 7      | C24-3N  | 11     | 8      |
| C32-3N  | 8      | 10     | C24-2N  | 13     | 9      |
| C32-2N  | 5      | 4      | C24-1N  | 12     | 7      |
| C32-1N  | 2      | 5      | C24-BL  | 34     | 12     |
| C32-BL  | 8      | 8      | C24-1S  | 28     | 13     |
| C32-1S  | 16     | 11     | C24-2S  | 17     | 12     |
| C32-2S  | 12     | 4      | C24-3S  | 25     | 12     |
| C32-3S  | 9      | 9      | C24-4S  | 32     | 13     |
| C32-4S  | 6      | 7      | C24-5S  | 23     | 12     |
| C32-5S  | 7      | 10     | C24-6S  | 22     | 13     |
| C32-6S  | 12     | 10     | C24-7S  | 17     | 11     |
| C32-7S  | 25     | 14     | C24-8S  | 30     | 17     |
| C32-8S  | 20     | 14     | C24-9S  | 38     | 16     |
| C32-9S  | NH     | NH     | C24-10S | 19     | 13     |
| C32-10S | 44     | 13     | C24-11S | 19     | 13     |
| C32-11S | 14     | 9      | C24-12S | 35     | 17     |
| C32-12S | 29     | 13     | C24-13S | 12     | 6      |
| C32-13S | 14     | 4      | C20-13N | 28     | 18     |
| C28-13N | 2      | 7      | C20-12N | 9      | 12     |
| C28-12N | 14     | 6      | C20-11N | 13     | 12     |
| C28-11N | 13     | 9      | C20-10N | 11     | 12     |
| C28-10N | 10     | 15     | C20-9N  | 30     | 13     |
| C28-9N  | 16     | 5      | C20-8N  | 9      | 13     |

| SAMPLE  | AU PPB | AS PPM | SAMPLE  | AU PPB | AS PPM |
|---------|--------|--------|---------|--------|--------|
| C20-7N  | 14     | 11     | C12-6N  | 16     | 10     |
| C20-6N  | 18     | 11     | C12-5N  | 11     | 7      |
| C20-5N  | 6      | 5      | C12-4N  | 23     | 14     |
| C20-4N  | 6      | 9      | C12-3N  | 21     | 11     |
| C20-3N  | 11     | 11     | C12-2N  | 15     | 9      |
| C20-2N  | 4      | 5      | C12-1N  | 10     | 8      |
| C20-1N  | 5      | 3      | C12-BL  | 14     | 14     |
| C20-8L  | 7      | 9      | C12-1S  | 16     | 6      |
| C20-1S  | 10     | 7      | C12-2S  | 14     | 15     |
| C20-2S  | 25     | 14     | C12-3S  | 5      | 10     |
| C20-3S  | 20     | 11     | C12-4S  | 8      | 10     |
| C20-4S  | 9      | 10     | C12-5S  | 16     | 9      |
| C20-5S  | 8      | 9      | C12-6S  | 21     | 13     |
| C20-6S  | 14     | 11     | C12-7S  | 6      | 6      |
| C20-7S  | 29     | 16     | C12-8S  | 5      | 9      |
| C20-8S  | 32     | 13     | C12-9S  | 3      | 10     |
| C20-9S  | 26     | 13     | C12-10S | 9      | 10     |
| C20-10S | 15     | 13     | C12-11S | 12     | 16     |
| C20-11S | 6      | 11     | C12-12S | 9      | 10     |
| C20-12S | 21     | 6      | C12-13S | 14     | 12     |
| C20-13S | 13     | 20     | C8-13N  | 28     | 19     |
| C16-13N | 13     | 7      | C8-12N  | 11     | 11     |
| C16-12N | 12     | 16     | C8-11N  | 15     | 13     |
| C16-11N | 4      | 13     | C8-10N  | 14     | 12     |
| C16-10N | 8      | 9      | C8-9N   | 14     | 9      |
| C16-9N  | 16     | 16     | C8-8N   | 16     | 11     |
| C16-8N  | 10     | 14     | C8-7N   | 18     | 9      |
| C16-7N  | 15     | 8      | C8-6N   | 29     | 24     |
| C16-6N  | 14     | 6      | C8-5N   | 33     | 18     |
| C16-5N  | 11     | 9      | C8-4N   | 23     | 26     |
| C16-4N  | 22     | 17     | C8-3N   | 30     | 18     |
| C16-3N  | 15     | 11     | C8-2N   | 15     | 12     |
| C16-2N  | 15     | 17     | C8-1N   | 16     | 15     |
| C16-1N  | 9      | 13     | C8-BL   | 13     | 13     |
| C16-BL  | 22     | 15     | C8-1S   | 19     | 13     |
| C16-1S  | 6      | 10     | C8-2S   | 12     | 6      |
| C16-2S  | 6      | 6      | C8-3S   | 12     | 8      |
| C16-3S  | 7      | 9      | C8-4S   | 17     | 11     |
| C16-4S  | 8      | 9      | C8-5S   | 11     | 9      |
| C16-5S  | 20     | 4      | C8-6S   | 17     | 15     |
| C16-6S  | 15     | 11     | C8-7S   | 11     | 9      |
| C16-7S  | 10     | 13     | C8-8S   | 5      | 5      |
| C16-8S  | 10     | 5      | C8-9S   | 15     | 11     |
| C16-9S  | 9      | 5      | C8-10S  | 14     | 8      |
| C16-10S | 10     | 11     | C8-11S  | 12     | 15     |
| C16-11S | 12     | 7      | C8-12S  | 19     | 8      |
| C16-12S | 14     | 9      | C8-13S  | 11     | 6      |
| C16-13S | 9      | 5      | C4-13N  | 14     | 13     |
| C12-13N | 10     | 6      | C4-12N  | 16     | 12     |
| C12-12N | 9      | 8      | C4-11N  | 29     | 14     |
| C12-11N | 11     | 14     | C4-10N  | 28     | 11     |
| C12-10N | 14     | 5      | C4-9N   | 19     | 17     |
| C12-9N  | 9      | 6      | C4-8N   | 33     | 14     |
| C12-8N  | 18     | 8      | C4-7N   | 11     | 29     |
| C12-7N  | 14     | 9      | C4-6N   | 20     | 11     |



| SAMPLE | AU PPB | AS PPM | SAMPLE | AU PPB | AS PPM |
|--------|--------|--------|--------|--------|--------|
| C4-5N  | 13     | 6      | CO-4N  | 10     | 11     |
| C4-4N  | 4      | 2      | CO-3N  | 16     | 8      |
| C4-3N  | 15     | 9      | CO-2N  | 25     | 10     |
| C4-2N  | 18     | 12     | CO-1N  | 32     | 13     |
| C4-1N  | 15     | 12     | CO-BL  | 9      | 14     |
| C4-BL  | 20     | 14     | CO-1S  | 3      | 8      |
| C4-1S  | 46     | 16     | CO-2S  | 26     | 11     |
| C4-2S  | 14     | 7      | CO-3S  | 5      | 4      |
| C4-3S  | 15     | 12     | CO-4S  | 10     | 11     |
| C4-4S  | 17     | 10     | CO-5S  | 15     | 10     |
| C4-5S  | 19     | 13     | CO-6S  | 19     | 11     |
| C4-6S  | 20     | 11     | CO-7S  | 30     | 10     |
| C4-7S  | 33     | 16     | CO-8S  | 18     | 9      |
| C4-8S  | 15     | 10     | CO-9S  | 7      | 7      |
| C4-9S  | 17     | 4      | CO-10S | 8      | 12     |
| C4-10S | 18     | 9      | CO-11S | 32     | 11     |
| C4-11S | 16     | 8      | CO-12S | 18     | 8      |
| C4-12S | 12     | 9      | CO-13S |        |        |
| C4-13S | 8      | 7      |        |        |        |
| CO-13N | 24     | 14     |        |        |        |
| CO-12N | 10     | 9      |        |        |        |
| CO-11N | 15     | 16     |        |        |        |
| CO-10N | 8      | 12     |        |        |        |
| CO-9N  | 19     | 9      |        |        |        |
| CO-8N  | 12     | 9      |        |        |        |
| CO-7N  | 9      | 9      |        |        |        |
| CO-6N  | 10     | 12     |        |        |        |
| CO-5N  | 26     | 8      |        |        |        |

NH - NOT HUMUS

## APPENDIX B Survey Method

### Procedure

During the survey, humus samples were obtained either by hand or by exposing deeper levels of the humus layer with a grub hoe.

After hang-drying, the samples were shipped to X-Ray Assay Laboratories, 1885 Leslie Street, Don Mills, Ontario, for analysis. 374 samples were analyzed by neutron activation method for gold and arsenic.

Sample preparation entailed thoroughly blending each sample in a blender to homogenize the material, followed by hydrolic compression of a portion of the sample to form a pellet weighing eight grams, which was used in the neutron activation process.

### Humus as a sample medium

Gleeson (1979), Lakin et al (1974), Curtin et al (1968) and others have documented the successful use of humus (mull) as a sample medium for detection of auriferous bedrock zones in areas covered by 3 to 130 feet of glacial material. Gleeson (1979) has found that anomalies in the humus generally occur directly over the subcrop of the auriferous zones, and their dispersion patterns are little effected by glacial transport.

The humus layer sampled consists of the partly decomposed plant debree found under trees or shrubs, and usually occurs as dark brown or black, humus-rich pads mixed with varying

amounts of mineral matter.

A summary of the geochemical processes involved in the accumulation of gold in the humus horizon is presented by Lakin et al (1974):

"....ample hydrogen cyanide is formed in the soil by hydrolysis of cyanogenic plants, animals and fungi to result in solution of gold in an oxygenated environment. The gold cyanide thus formed is absorbed by plants, but they do not use it as a nutrient. It is therefore found accumulating as a reject in the woody parts of a plant. The decomposition of plant debree results in the reduction of gold in the plant material and gold accumulation in the humus horizon of the soil."

Boyle and Dass (1976), through their work in the Cobalt area, have demonstrated that concentrations of such elements as arsenic, zinc, copper and lead also occur in the humus layers occurring over known veins containing anomalous quantities of these elements.

Certificate

I, D.R. Pyke, submit this document to certify that the following statements are, to the best of my knowledge, true and correct.

1. That I supervised the geochemical survey conducted on the Cody Township Property claims during the period August 14 - 18, 1981.
2. That I am the author of the corresponding assessment report entitled "Assessment Report of Geochemical Survey, Cody Township Property, Cody Township, Porcupine Mining Division, Ontario".
3. That I have received the following university degrees in geology:

|       |                            |      |
|-------|----------------------------|------|
| B.Sc. | University of Saskatchewan | 1959 |
| M.Sc. | University of Saskatchewan | 1961 |
| Ph.D. | McGill University, Quebec  | 1967 |
4. That I have been working as a geologist in the general Timmins area for 15 years, and I am familiar with the geology of the area under consideration.

Respectfully,

  
D.R. Pyke

Assessment Work Breakdown

|  |  |
|--|--|
| 1. Expenditure Credits for Geochemical Survey.<br>(see Technical Data Statement)   |  |
| 374 geochemical (humus) samples analyzed<br>for gold and arsenic, costing<br>\$7.50 per sample .....   | \$ 2,805.00  |
| Assessment credits - one day's work for each<br>\$15 expended. Total number of assessment work<br>credits obtained for chemical analyses ..... | 187 days   |
| <u>Number of credits credited per claim,</u><br>eight claims to be credited .....  | <u>23.3 days</u>                                     |
| 2. Assessment Credits earned for total 8-hour<br>technical days (see Assessment Work Breakdown<br>Statement-II)                                |  |
| 48.0 hours total technical, or 6.0 8-hour days,<br>X seven assessment credit days per 8-hour day .....   | 42.0 days  |
| <u>Number of credits credited per claim,</u><br>eight claims to be credited .....  | <u>5.3 days</u>                                      |
| Total number of assessment credits per claim earned<br>from this survey work .....   | <u>28.6 days</u><br><u>total</u><br><u>per claim</u> |

Submitted by D.R. Pyke for the purpose of obtaining  
assessment work credits for mining claims P. 529931,  
P. 529932, P. 529933, P. 529934, P. 529935, P. 529936,  
P. 529937, P. 529938, comprising the Cody Township  
Property, Cody Township, Porcupine Mining Division, Ontario.

Signature: \_\_\_\_\_

D.R. Pyke

Assessment Work Breakdown-II

FIELD WORK

Type of Work: Geochemical (humus) sampling  
Name and Address: James Roberts  
Stanley Mission, Saskatchewan  
Dates Worked: August 14, 16, 17-18, 1981  
No. 8-hr. days: 4.0 8-hour days total

DRAUGHTSMAN, TYPING, OTHERS

Type of Work: Draughting  
Name and Address: Kimberly M. Cunnison  
180 Kennedy Street West, Aurora, Ontario  
Dates Worked: November 30, 1981, December 1, 1981  
No. 8-hr. days: 1.5 8-hour days

Type of Work: Typing  
Name and Address: Kimberly M. Cunnison  
180 Kennedy Street West, Aurora, Ontario  
Date Worked: December 3, 1981  
No. 8-hour days: 0.5 8-hour days

Total number of technical days earned from this work:

6.0 8-hour technical days total

X 7 assessment credit days per 8-hour day ..... 42.0 credit days  
total

Technical days per claim ..... 5.3 days per claim  
(8 claims to be credited)

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

INVOICE 13408

REF. FILE 9064-SR

17-NOV-81

TO: D.R. PYKE & ASSOCIATES  
157 BURBANK DR.,  
WILLOWDALE, ONT.,  
M2K 1N9

CUSTOMER NO. 754

DATE SUBMITTED  
21-OCT-81

606 HUMUS

WERE ANALYSED.

|     | METHOD                | CODE | UNIT COST | AMOUNT |            |
|-----|-----------------------|------|-----------|--------|------------|
| 578 | AU,AS                 | NA   | 14.0      | 7.00   | 4046.00    |
| 606 | PREP. HUMUS OR LEAVES | 2.0  | 0.50      |        | \$ 4046.00 |
|     |                       |      |           |        | 303.00     |
|     |                       |      |           |        | \$ 4349.00 |

**INVOICE** PLEASE PAY THIS AMOUNT

TERMS NET 30 DAY

1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

NEGOTIABLE WITHOUT CHARGE AT

BRANCH OF THE ROYAL BANK OF CANADA IN CANADA (FAR NO)

(IN ALL CITIES AND TOWNS IN CANADA EXCEPTED)

ROYAL BANK OF CANADA  
100 BLVD. & 12TH ST. N.E. BRANCH  
100 KNIGHT BOULEVARD  
CALGARY, ALTA.

COMSTATE  
Resources Ltd.

901, 1015 - 4TH STREET S.W.  
CALGARY, ALBERTA T2R 1J4

No 071

DATE January 25, 1982

INSURED 4349 DOLLARS  
37N14460

\$ \*4,349.00\*

X-Ray Assay Laboratories Limited  
1885 Leslie Street  
Don Mills, Ontario M3B 3J4

COMSTATE  
Resources Ltd.

⑆02659⑆003⑆

⑆03⑆7⑆16⑆7⑆

⑆008⑆1⑆0000⑆1⑆31⑆900⑆

FOR DEPOSIT ONLY  
TO THE CREDIT OF  
X-RAY ASSAY LABORATORIES LTD

06852 - 003  
THE ROYAL BANK OF CANADA  
864 YORK MILLS ROAD BR.  
TORONTO, ONTARIO  
06852 - 003

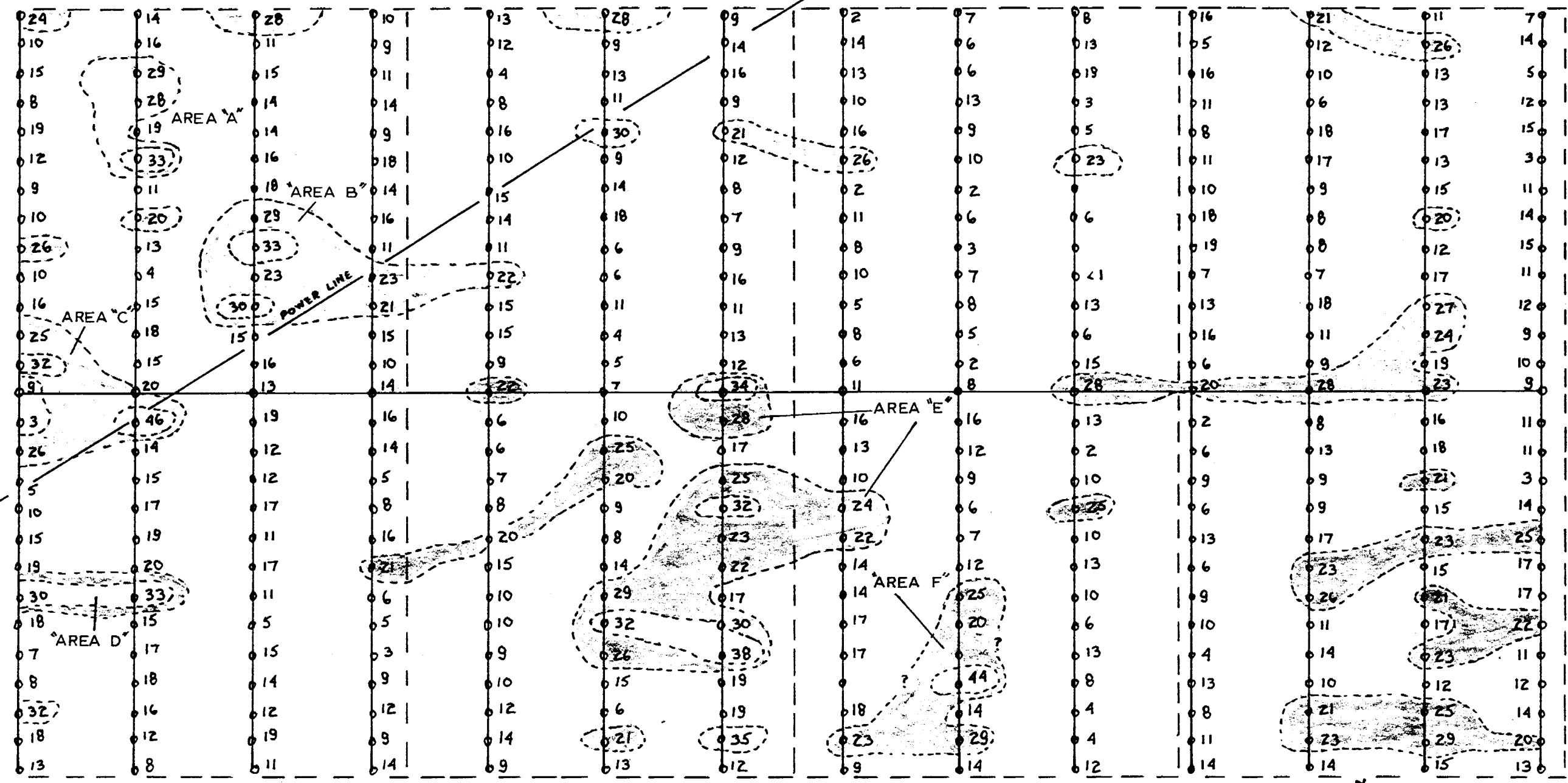
JAN 29 1982

ROYAL BANK OF CANADA  
DATA SIC CPC

⑆2659256⑆



0E 4E 8E 12E 16E 20E 24E 28E 32E 36E 40E 44E 48E 52E



12N  
8N  
4N  
BL  
4S  
8S  
12S

HUMUS SAMPLES - SERIES "C"  
CODY TOWNSHIP  
CONTOURED VALUES OF GOLD - parts per billion

- ◻ 0 -19 p.p.b.
- ▨ 20-29 p.p.b.
- ◻ 30+ p.p.b.
- SAMPLE SITE
- FLAGGED LINE
- - - CLAIM LINE

N  
1 inch = 400 feet

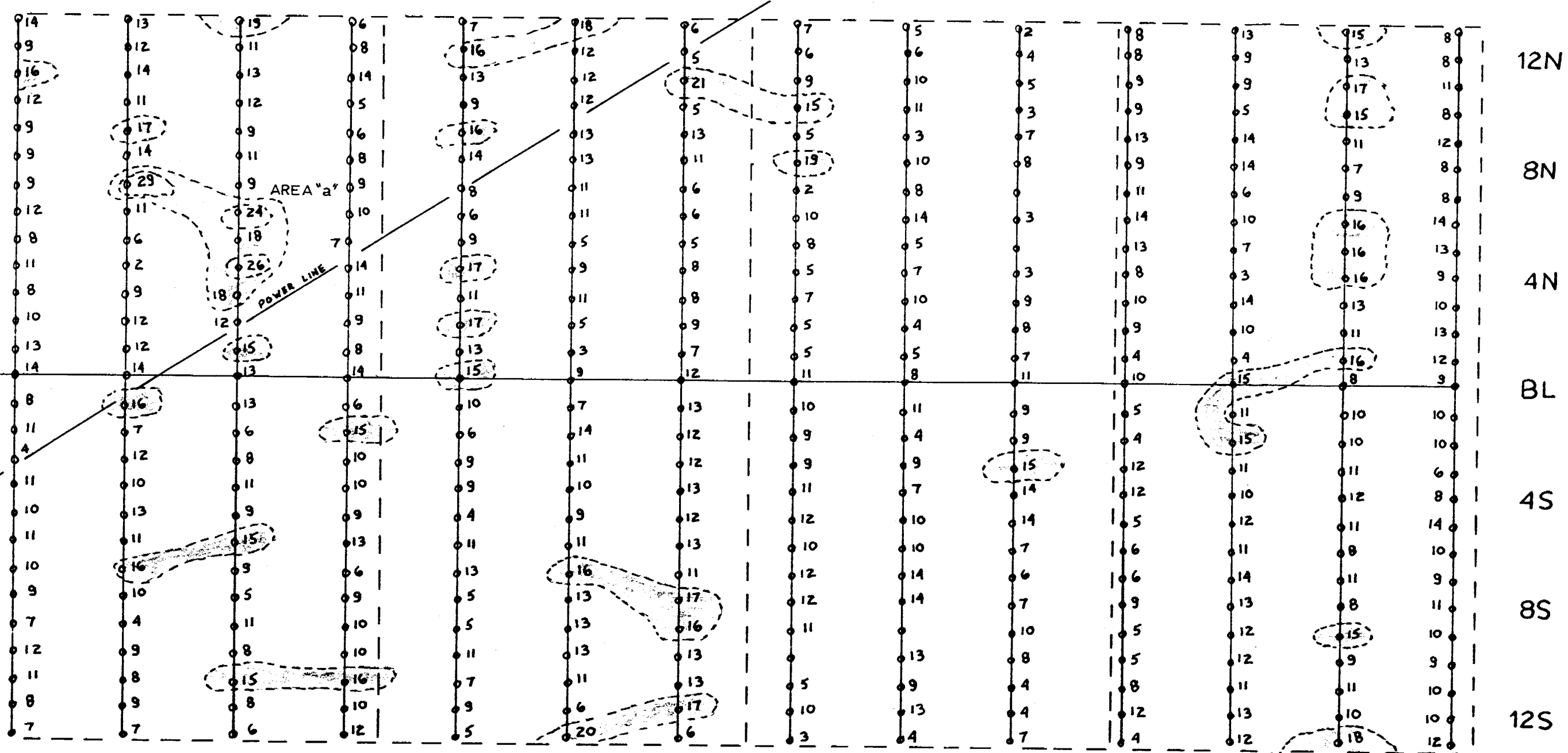
D.R. PYKE

SURVEY CONDUCTED AUGUST 14 - 18 , 1981

2,4453

*James D. Pyke* DECEMBER 1981

OE 4E 8E 12E 16E 20E 24E 28E 32E 36E 40E 44E 48E 52E



HUMUS SAMPLES - SERIES "C"

CODY TOWNSHIP

CONTOURED VALUES OF ARSENIC - parts per million

○ SAMPLE SITE  
 — FLAGGED LINE  
 - - - CLAIM LINE

□ 0-14 p.p.m.  
 ▨ 15-19 p.p.m.  
 □ 20+ p.p.m.

N  
 1 inch = 400 feet

D.R. PYKE

2.4453

SURVEY CONDUCTED AUGUST 14 - 18, 1981

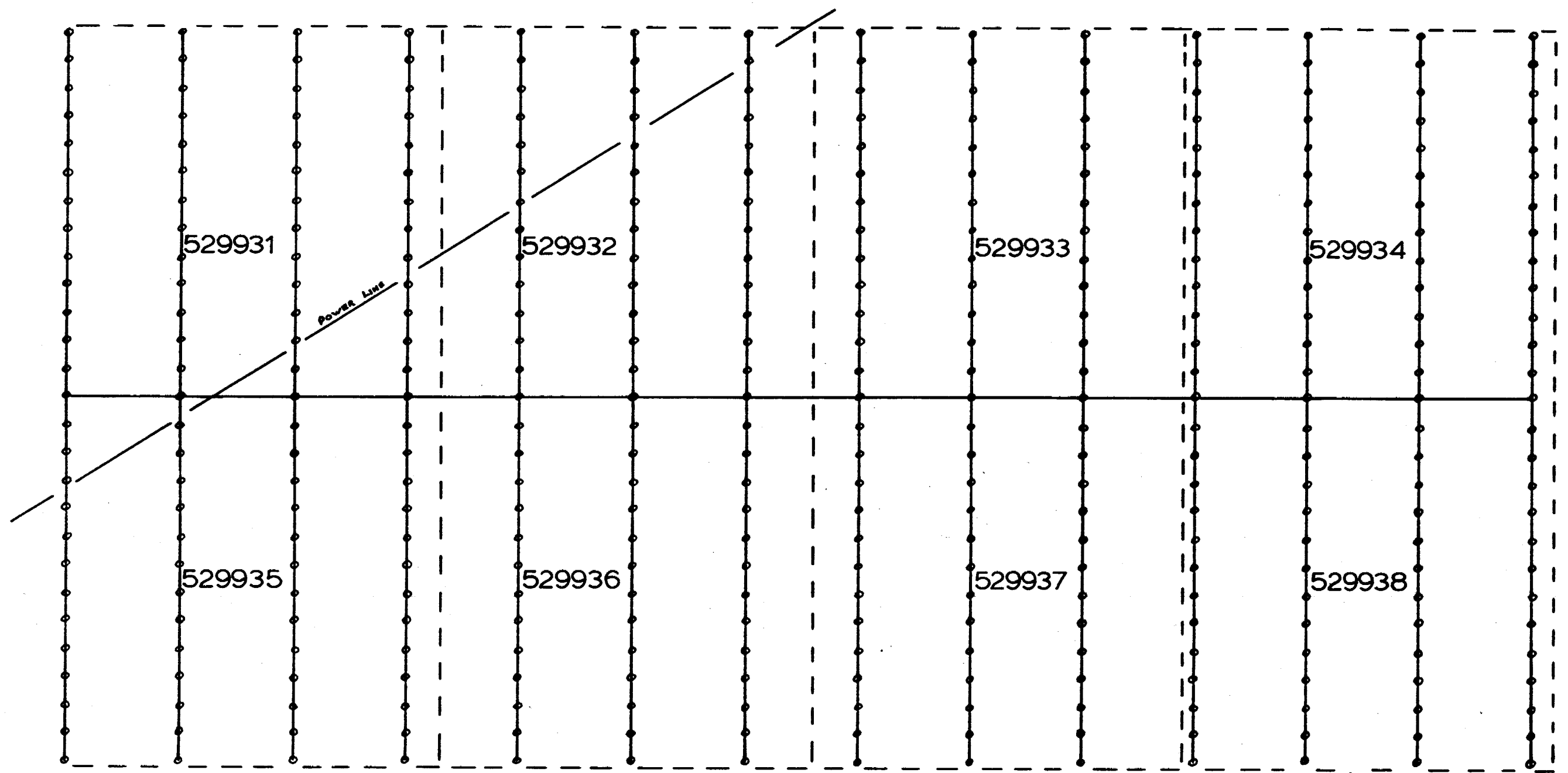
Jan 12/83  
D. Pyke

DECEMBER

1981

0E 4E 8E 12E 16E 20E 24E 28E 32E 36E 40E 44E 48E 52E

12N  
8N  
4N  
BL  
4S  
8S  
12S



SERIES "C"  
HUMUS SAMPLE LOCATIONS  
CODY TOWNSHIP

- SAMPLE SITE
- FLAGGED LINE
- - - CLAIM LINE

N  
↑  
1 inch = 400 feet

D.R. PYKE

2.4453.

SURVEY CONDUCTED AUGUST 14 - 18, 1981

*Jan 12/83 D Pyke*



Report of Work  
(Geophysical, Geological,  
Geochemical and Expenditures)

body T  
#5



42A11SE0204 2.4453 CODY

900

W8106-500

The Mining Act

2-4453

- Do not use shaded areas below.

|   |  |   |  |
|---|--|---|--|
| Type of Survey(s)<br><b>GEOCHEMICAL (HUMUS)</b>   |  | Township or Area<br><b>CODY</b>                                 |  |
| Claim Holder(s)<br><b>PLACER DEVELOPMENT LTD.</b>   |  | Prospector's Licence No.<br><b>T-837</b>                        |  |
| Address<br><b>SIMPSON TOWER, 401 BAY STREET, SUITE 2600, TORONTO ONT</b>  |  |   |  |
| Survey Company<br><b>CUMSTATE RESOURCES LTD</b>   |  | Date of Survey (from & to)<br>Day   Mo.   Yr.   Day   Mo.   Yr. |  |
| Name and Address of Author (of Geo-Technical report)<br><b>D. R. PYKE, 157 BURBANK DR. WILLOWDALE ONT. M2K1N9</b> |  |   |  |

Credits Requested per Each Claim in Columns at right

| Special Provisions   | Geophysical       | Days per Claim |
|--|-------------------|----------------|
| For first survey:<br>Enter 40 days. (This includes line cutting)                       | - Electromagnetic |                |
|  | - Magnetometer    |                |
|  | - Radiometric     |                |
|  | - Other           |                |
| For each additional survey:<br>using the same grid:<br>Enter 20 days (for each)        | Geological        |                |
|  | Geochemical       |                |
|  |                   |                |
| Man Days<br>Complete reverse side and enter total(s) here                              | Geophysical       | Days per Claim |
|  | - Electromagnetic |                |
|  | - Magnetometer    |                |
|  | - Radiometric     |                |
|  | - Other           |                |
|  | Geological        |                |
| Airborne Credits<br>Note: Special provisions credits do not apply to Airborne Surveys. | Electromagnetic   | Days per Claim |
|  | Magnetometer      |                |
|  | Radiometric       |                |

Mining Claims Traversed (List in numerical sequence)

| Mining Claim |        |                  | Mining Claim |        |                  |
|--------------|--------|------------------|--------------|--------|------------------|
| Prefix       | Number | Expend. Days Cr. | Prefix       | Number | Expend. Days Cr. |
| P            | 529931 | 23.50            |              |        |                  |
|              | 529932 | 23.50            |              |        |                  |
|              | 529933 | 23.50            |              |        |                  |
|              | 529934 | 23.50            |              |        |                  |
|              | 529935 | 23.50            |              |        |                  |
|              | 529936 | 23.50            |              |        |                  |
|              | 529937 | 23.50            |              |        |                  |
|              | 529938 | 23.50            |              |        |                  |

RECEIVED  
DEC 21 1981  
MINING LANDS SECTION

Expenditures (excludes power stripping) (Sect. 77.19)

|  |
|--|
| Type of Work Performed<br><b>HUMUS SAMPLE<br/>Geochemical Analysis - Au &amp; As</b> |
| Performed on Claim(s)<br><b>P529934</b>  |
| <b>P529931, P529932, P529933,</b>  |
| <b>P529935, P529936, P529937, P529938</b>  |
| Calculation of Expenditure Days Credits  |
| Total Expenditures<br><b>\$ 2820.00</b>  |
| Total Days Credits<br><b>+ 15 = 188</b>  |

Instructions  
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

|                         |  |
|-------------------------|--|
| Date<br><b>Dec 3/81</b> | Recorded Holder or Agent (Signature)<br><b>D.R. Pyke</b> |
|-------------------------|--|

Certification Verifying Report of Work

I hereby certify that I have personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

|   |
|---|
| Name and Postal Address of Person Certifying<br><b>D. R. Pyke, 157 BURBANK DR. WILLOWDALE, ONT M2K1N9</b> |
|---|

|                                     |                                   |  |
|-------------------------------------|-----------------------------------|--|
| AM<br>7 8 9 10 11 12 1 2 3 4 5 6 PM | Date Certified<br><b>Dec 3/81</b> | Certified by (Signature)<br><b>D.R. Pyke</b> |
|-------------------------------------|-----------------------------------|--|



Ministry of Natural Resources

File \_\_\_\_\_

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL  
TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT  
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT  
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

RECEIVED

DEC 31 1981

MINING LANDS SECTION

Type of Survey(s) Geochemical (humus sampling)  
Township or Area (Cody Township)  
Claim Holder(s) Placer Development Limited,  
Simpson Tower, 401 Bay St., Suite 2600, Toronto  
Survey Company Comstate Resources Ltd. Ontario.  
Author of Report D.R. Pyke, 157 Burbank Drive,  
Address of Author Willowdale, Ontario M2K 1N9  
Covering Dates of Survey August 14 - December 3, 1981  
(linecutting to office)  
Total Miles of Line Cut -----

MINING CLAIMS TRAVERSED  
List numerically

P 529931  
(prefix) (number)  
P 529932  
P 529933  
P 529934  
P 529935  
P 529936  
P 529937  
P 529938

If space insufficient, attach list

| <u>SPECIAL PROVISIONS</u><br><u>CREDITS REQUESTED</u>     | <u>DAYS</u><br><u>per claim</u>   |
|---|---|
| ENTER 40 days (includes line cutting) for first survey.   | Geophysical<br>- Electromagnetic _____<br>- Magnetometer _____<br>- Radiometric _____ |
| ENTER 20 days for each additional survey using same grid. | - Other _____<br>Geological _____<br>Geochemical _____                                |

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric \_\_\_\_\_  
(enter days per claim)

DATE: Dec 3/81 SIGNATURE: D.R. Pyke  
Author of Report or Agent

Res. Geol. \_\_\_\_\_ Qualifications 2.3899

Previous Surveys

| File No. | Type | Date | Claim Holder |
|----------|------|------|--------------|
|          |      |      |              |
|          |      |      |              |
|          |      |      |              |
|          |      |      |              |
|          |      |      |              |
|          |      |      |              |
|          |      |      |              |
|          |      |      |              |

TOTAL CLAIMS 8

OFFICE USE ONLY

# GEOPHYSICAL TECHNICAL DATA

## GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations \_\_\_\_\_ Number of Readings \_\_\_\_\_

Station interval \_\_\_\_\_ Line spacing \_\_\_\_\_

Profile scale \_\_\_\_\_

Contour interval \_\_\_\_\_

### MAGNETIC

Instrument \_\_\_\_\_

Accuracy – Scale constant \_\_\_\_\_

Diurnal correction method \_\_\_\_\_

Base Station check-in interval (hours) \_\_\_\_\_

Base Station location and value \_\_\_\_\_

### ELECTROMAGNETIC

Instrument \_\_\_\_\_

Coil configuration \_\_\_\_\_

Coil separation \_\_\_\_\_

Accuracy \_\_\_\_\_

Method:  Fixed transmitter  Shoot back  In line  Parallel line

Frequency \_\_\_\_\_

(specify V.L.F. station)

Parameters measured \_\_\_\_\_

### GRAVITY

Instrument \_\_\_\_\_

Scale constant \_\_\_\_\_

Corrections made \_\_\_\_\_

Base station value and location \_\_\_\_\_

Elevation accuracy \_\_\_\_\_

### INDUCED POLARIZATION RESISTIVITY

Instrument \_\_\_\_\_

Method  Time Domain  Frequency Domain

Parameters – On time \_\_\_\_\_ Frequency \_\_\_\_\_

– Off time \_\_\_\_\_ Range \_\_\_\_\_

– Delay time \_\_\_\_\_

– Integration time \_\_\_\_\_

Power \_\_\_\_\_

Electrode array \_\_\_\_\_

Electrode spacing \_\_\_\_\_

Type of electrode \_\_\_\_\_

SELF POTENTIAL

Instrument \_\_\_\_\_ Range \_\_\_\_\_

Survey Method \_\_\_\_\_

Corrections made \_\_\_\_\_

RADIOMETRIC

Instrument \_\_\_\_\_

Values measured \_\_\_\_\_

Energy windows (levels) \_\_\_\_\_

Height of instrument \_\_\_\_\_ Background Count \_\_\_\_\_

Size of detector \_\_\_\_\_

Overburden \_\_\_\_\_  
(type, depth - include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey \_\_\_\_\_

Instrument \_\_\_\_\_

Accuracy \_\_\_\_\_

Parameters measured \_\_\_\_\_

Additional information (for understanding results) \_\_\_\_\_

AIRBORNE SURVEYS

Type of survey(s) \_\_\_\_\_

Instrument(s) \_\_\_\_\_  
(specify for each type of survey)

Accuracy \_\_\_\_\_  
(specify for each type of survey)

Aircraft used \_\_\_\_\_

Sensor altitude \_\_\_\_\_

Navigation and flight path recovery method \_\_\_\_\_

Aircraft altitude \_\_\_\_\_ Line Spacing \_\_\_\_\_

Miles flown over total area \_\_\_\_\_ Over claims only \_\_\_\_\_

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken P. 529931, P. 529932, P. 529933,  
P. 529934, P. 529935, P. 529936, P. 529937, P. 529938.

Total Number of Samples 378 taken, 374 analyzed

ANALYTICAL METHODS

Type of Sample soil sample - humus  
(Nature of Material)

Values expressed in: per cent   
p. p. m.   
p. p. b.

Average Sample Weight 8 grams

Method of Collection sampled by hand-grub hoe.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As (circle)

Soil Horizon Sampled humus - A<sup>0</sup>

Others Gold (Au) - parts per billion

Horizon Development variable; 1-5 inches.

Field Analysis (\_\_\_\_\_ tests)

Sample Depth usually 1-5 inches.

Extraction Method \_\_\_\_\_

Terrain Generally low relief; intermittent outcrop; overburden glacial clays-silts.

Analytical Method \_\_\_\_\_

Drainage Development moderate; western 1/2 of area largely muskeg covered.

Reagents Used \_\_\_\_\_

Estimated Range of Overburden Thickness \_\_\_\_\_

Field Laboratory Analysis

Average overburden thickness poorly known, but thought to be less than 30 feet.

No. (\_\_\_\_\_ tests)

Extraction Method \_\_\_\_\_

Analytical Method \_\_\_\_\_

Reagents Used \_\_\_\_\_

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis \_\_\_\_\_  
Not applicable

374 samples tested for Commercial Laboratory (Au and As) tests

Name of Laboratory X-Ray Assay Labs.

Extraction Method \_\_\_\_\_

Analytical Method Neutron Activation

Reagents Used \_\_\_\_\_

General Samples were blended in a blending machine for homogeneity of material. All samples were thoroughly dried before blending. Blended sample material was hydrolically compressed to form a pellet weighing 8 grams.

General A total of 378 samples were obtained from the property, 4 of which were found to contain insufficient humus content and therefore were not analyzed.





Mining Lands Comments

*- need cancelled cheques or receipts.*

*- maps not signed*

To: Geophysics

Comments

Approved     Wish to see again with corrections

Date \_\_\_\_\_ Signature \_\_\_\_\_

To: Geology - Expenditures

Comments

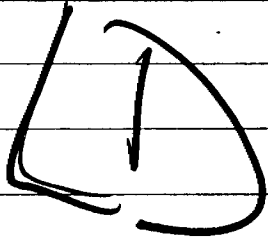
Approved     Wish to see again with corrections

Date \_\_\_\_\_ Signature \_\_\_\_\_

To: Geochemistry

*Dr. Thomson*

Comments



Approved     Wish to see again with corrections

Date *Dec 14<sup>th</sup> 1982*    Signature *JAC Fotheringham*

To: Mining Lands Section, Room 6462, Whitney Block.

(Tel: 5-1380)

1982 12 31

2.4453

Placer Development Limited  
Simpson Tower  
401 Bay Street  
Suite 2600  
Toronto, Ontario  
M5H 2Y4

Dear Sirs:

Enclosed are geochemical survey plans covering Mining Claims P 529931 to 38 inclusive in Cody Township. Please have Mr. D.R. Pyke date and sign these plans and return them to this office.

I note that you have requested assessment work credits for assaying for the amount of \$2,805.00. Please provide a receipt from X-Ray Assay Laboratories.

Yours very truly,

E.F. Anderson  
Director  
Land Management BRanch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1380

F.W. Matthews:sc

cc: Mining REcorder  
Timmins, Ontario

For further information, if  
required, please contact  
Mr. F.W. Matthews at  
416/965-1380.

Encls:

January 13, 1982

2.4453

Office of the Mining Recorder  
Ministry of Natural Resources  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

Dear Sir:

We have received reports and maps for a Geochemical Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims P.529931 et al, in the Township of Cody.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1380

J. Skura/bk

cc: Placer Development Limited  
Toronto, Ontario

cc: D.R. Pyke  
Willowdale, Ontario

D.R. Pyke and Associates Inc.

157 Burbank Drive  
Willowdale, Ontario  
M2K 1N9  
Telephone (416) 221-6210

DIRECTOR  
LAND MANAGEMENT BRANCH  
ROOM 6450  
Whitney Block  
Queen's PARK  
TORONTO M7A 1W3

|                        |                          |
|------------------------|--------------------------|
| <b>RECEIVED</b>        |                          |
| Land Management Branch |                          |
| CIRCULATE              | <input type="checkbox"/> |
| COMMENTS PLEASE        | <input type="checkbox"/> |
| BY                     |                          |
| JAN 14 1983            |                          |
| E. F. ANDERSON         |                          |
| J. R. MORTON           |                          |
| J. C. SMITH            |                          |
| G. SHERMAN             |                          |
| J. M. SMALL            |                          |
| RETURN TO R. 6450      |                          |

Jan 12/83

Re: File 2.4453, Cody Township

As per your request of December 31, 1983,  
enclosed please find the following:

- (1) Signed and dated copies of geochemical  
survey plans
- (2) Copy of invoice and cancelled cheque  
for \$4,349.00, covering cost of analyses.

Sincerely  
D. R. Pyke.

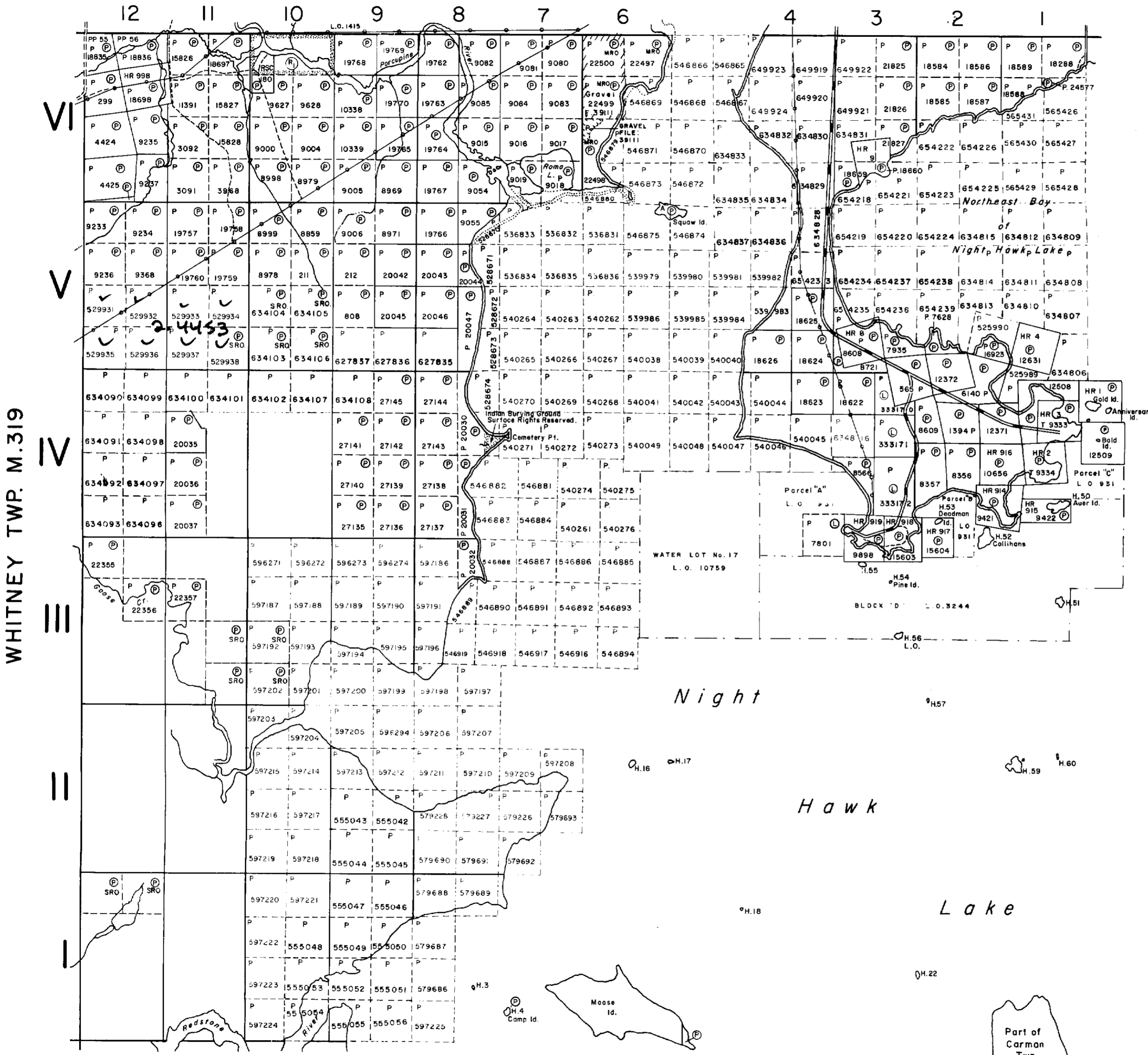
MATHESON TWP. M.297

THE TOWNSHIP  
OF  
**CODY**

DISTRICT OF  
COCHRANE

PORCUPINE  
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS



**LEGEND**

- PATENTED LAND (P)
- CROWN LAND SALE (C.S.)
- LEASES (L)
- LOCATED LAND (Loc.)
- LICENSE OF OCCUPATION (L.O.)
- MINING RIGHTS ONLY (M.R.O.)
- SURFACE RIGHTS ONLY (S.R.O.)
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED

**NOTES**

400' surface rights reservation along the shores of all lakes and rivers.

The whole of Moose Island is attached to the Township of Cody. File 23642.

This Township lies within the Municipality of The City of Timmins

Reserve flooding rights to Ont. Hydro to elevation 903.5' T&N.O. Railway datum on Night Hawk lake and that portion of the river between Night Hawk lake and Frederick House Lake.

Areas withdrawn from staking under Section 43 of the Mining Act (R.S.O. 1970).

| Code No. | File  | Date    | Disposition |
|----------|-------|---------|-------------|
| W.53/76  | 16539 | 10/9/76 | S.R.O.      |

DATE OF ISSUE

DEC 20 1982

Ministry of Natural Resources  
TORONTO

PLAN NO. **M.270**

ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH

CARMAN TWP. M.266



42A11SE0204 2.4453 CODY