

42A06NW0176 2.7036 DELORO

010

COMSTATE RESOURCES LIMITED

Geochemical Survey

Northwest Deloro Township

Claim P. 591264

Porcupine Mining Division, Ontario

RECEIVED
AUG 1 3 1984
MINING LANDS SECTION

July 31, 1984
Timmins, Ontario

D.R. Pyke, Ph.D.

FORCUPINE MINING DIVISION
RECEIVED
AUG - 1 1984
A.M. P.M.
7|8|9|10|11|12|1|2|3|4|5|6



42A06NW0176 2.7036 DELORO

010C

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Location

The property is located in northwest Deloro Township, District of Cochrane, Porcupine Mining Division (Fig. 1). The property consists of one claim - P. 591264.

Access

The claim is readily accessible, being only four miles south of the Timmins City Centre. A logging road extends across the southern part of the claim and intersects Pine Street South, 1.25 miles to the west, which forms the Deloro - Ogden Township boundary.

Present Survey

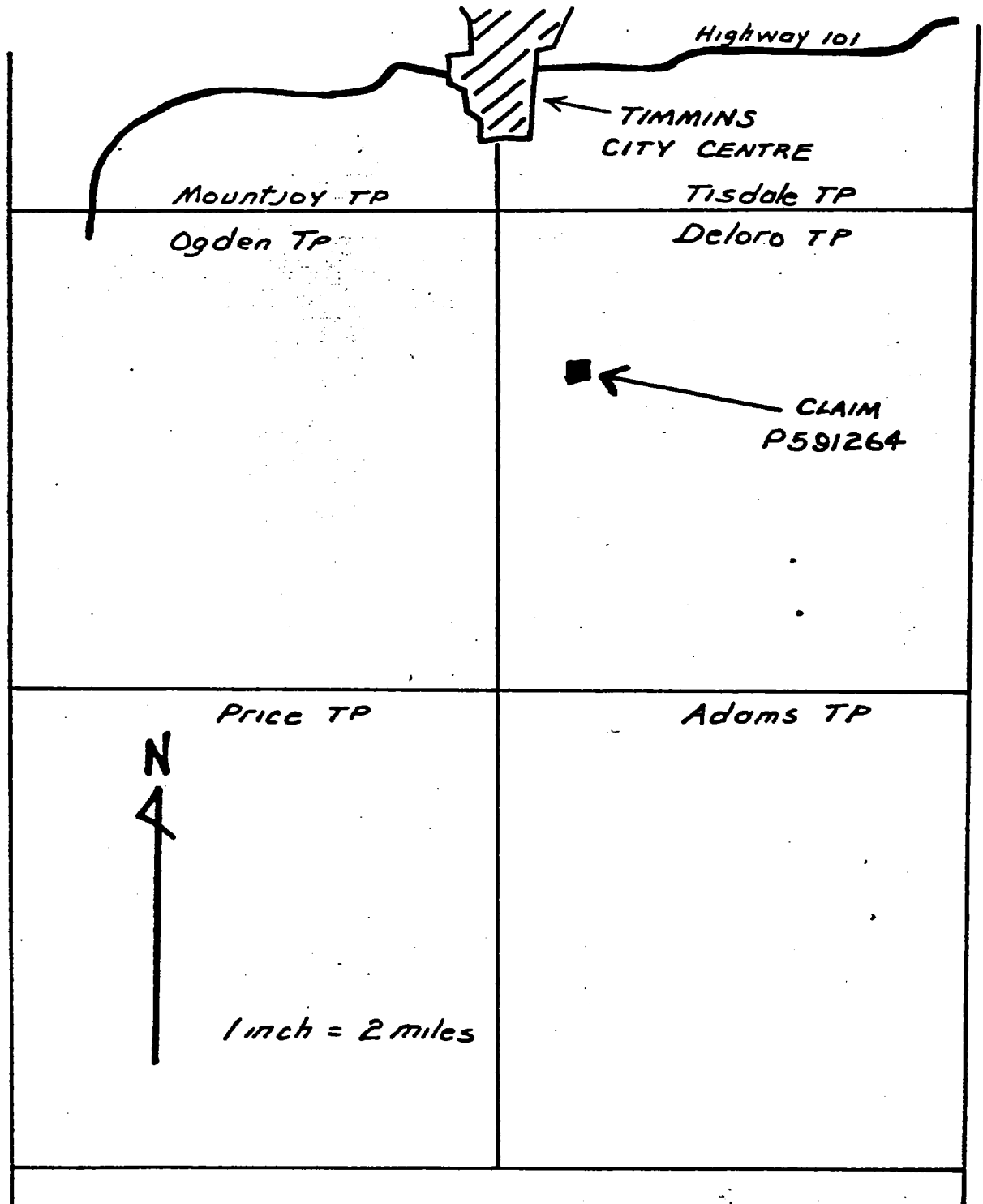
The claim is currently held in the name of D.R. Pyke, of 31 Delair Cres., Thornhill, Ontario. The survey was conducted by K. M. Cunnison on behalf of Comstate Resources, on May 31, 1984. Sampling was largely confined to the northern boundary and northwest portion of the claim.

Previous Work

The geology of the claim and surrounding area has been mapped by Burrows (1924), Hurst (1939) and later by Carlson (1967).

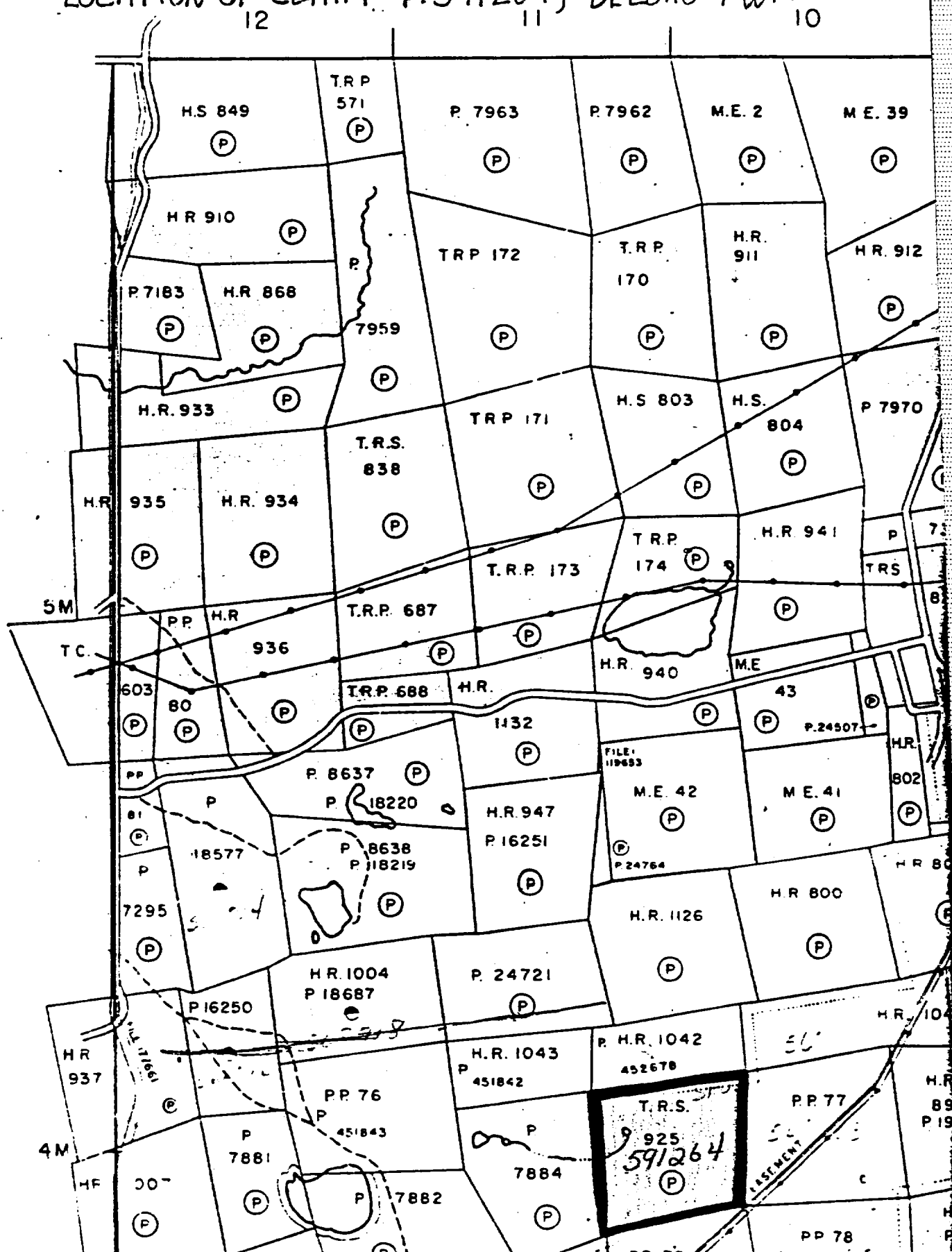
The only recorded assessment work on the claim is that of Comstate Resources Ltd., who, in 1981, conducted a magnetic and electromagnetic (VLF) survey on the claim, followed by a geological survey in 1983 (File T-2420, Ont. Geol. Surv.,

Figure 1-a



Location of claim P591264, Deloro Township.

Figure 1-b
COMSTATE RESOURCES - GEOCHEMICAL SURVEY
LOCATION OF CLAIM P. 591264, DELORD TWP.



Assessment Files Office, Timmins, Ont.). Magnetically, the property was found to be quite flat. One VLF anomaly was outlined which would be best explained by an area of swamp and a small lake in the northwest part of the claim (Map A).

Topography

The general topography is illustrated on Map A. Two dominant features are a beaver pond in the northwest portion of the claim and a sandy east-southeast trending esker near the centre of the claim. Relief is low to moderate, approximately 10 feet in the outcrop area and up to 25 feet in the vicinity of the esker.

Property Geology

Outcrop is confined to the northwest corner of the claim, and consists of a massive, fine-to-medium grained, light greengrey magnesium rich tholeiitic basalt. Lack of obvious volcanic structures suggests the outcrops form part of a sill-like intrusion rather than a volcanic flow.

The exact positioning of the Destor-Porcupine Fault (DPF) in this part of the Timmins camp is uncertain. However, the fact the the outcrop area in the northwest corner of the claim is tholeiitic in composition rather than calc-alkaline suggests that at least the northern portion of the claim is more akin to the Tisdale Group volcanic rocks than the Deloro Group volcanics. In this part of the Timmins area, the westerly trending DPF zone structurally separates the Tisdale and Deloro Groups (Hogg, 1950), and is therefore interpreted to pass somewhere through the mid - to southern portion of the claim.

Survey Method

The survey method is described in detail in Appendix A. The survey entailed sampling of the humus (A⁰) horizon. The degree of development of the humus horizon within the area sampled is extremely variable, ranging in thickness from one or two inches to greater than one foot.

A total of 64 humus samples were obtained from the property. The samples were collected at roughly 100 foot intervals along north-south lines spaced 150 feet apart (Map A).

The samples were subsequently hand dried and submitted to X-Ray Assay Laboratories for geochemical analysis. A total of 62 out of 64 samples were analyzed for gold and arsenic; the remaining two samples were found to be composed of non-humus material and were therefore not analyzed.

For comparative purposes, eight B horizon soil samples were also obtained from the property (Map A). Samples were taken from areas where this horizon appeared to be well developed. B horizon soil samples were analyzed solely for gold.

Survey Results

The analytical results of the survey are tabulated in Appendix B. Contoured values of gold and arsenic are presented on Maps B and C, respectively .

Gold Content in Humus - Map B

Nearly all of the samples analyzed returned values of gold equal to or greater than 20 parts per billion. The highest value obtained was 300 parts per billion. This is

unusual for the Timmins area, where background gold contents in the humus are generally in the order of five parts per billion.

The results are generally inconclusive. An anomalous area, centred on line 6E, station 7S, occurs along the southern margin of the area sampled. It is not known at the present time how far the anomaly extends to the west of line 6E, as sampling was not conducted in this region.

A large number of anomalous areas yielding gold values from 20 to 120 parts per billion occur throughout the area sampled.

Gold Content in B Horizon Soil Samples - Map B

All of the B horizon soil samples collected yielded gold values of less than two parts per billion (lower detection limit), even in areas where gold in the humus ran as high as 120 parts per billion.

Arsenic Content in Humus - Map C

Arsenic values obtained from the property ranged from two to fifty parts per million. Background arsenic values were in the order of ten parts per million.

Anomalous areas of very limited extent, being defined by one to two sample sites only, occur occasionally within the area sampled. Values found within such anomalous areas are moderately low, relative to anomalies obtained on other properties sampled in the Timmins area.

Conclusions and Recommendations

Results obtained from the present survey are inconclusive. Further humus sampling on the property, in the southwest quarter, is recommended to determine the western extent of the gold anomaly centered on line 6E at station 7S.

Further recommendations are withheld, pending results of the above follow-up survey.

W. F. H. K.

References

Burrows, A.G.

- 1924: The Porcupine gold area; Fourth Report; Ont. Dept. of Mines, Vol. 33, pt. 2, 112p. (Published 1925, reprinted 1933). Accompanied by Map 33, Scale 1 inch to 2,000 feet.

Carlson, H.D.

- 1967: Geology of Ogden, Deloro and Shaw Townships; Ont. Dept. of Mines, Open File Report 5012, 117p. Accompanied by Maps p.341 to p. 343. Scale one inch to $\frac{1}{4}$ mile.

Curtin, G.C., Lakin, H.W., Neuerberg, G.J. and Hubert, A.E.

- 1968: Utilization of humus rich forest mull in geochemical exploration for gold; U. S. Geol. Surv. Circ 562, 11p.

Gleeson, C.F.

- 1979: Consider geochemistry when seeking gold; The Northern Miner, Exploration Issue, March 8, 1979.

Hogg, N.

- 1950: The Porcupine Gold area; Canadian Mining Journal, Vol. 71, no. 11, p. 102-106

Hurst, M.E.

- 1939: Porcupine area, District of Cochrane; Ont. Dept. of Mines, Map 47a, scale 1 inch to 2000 feet.

Lakin, H.W., Curtin, G.C., Hubert, A.E., Shacklette, H.T., and Doxtader, K.G.

- 1974: Geochemistry of gold in the weathering cycle: U. S. Geol. Sur. Bull, 1330, 80p.

ASSESSMENT WORK BREAKDOWN

1. Expenditure Credits for Geochemical Survey

62 samples of humus analyzed for
Au,As , @ \$ 8.40 each \$ 493.40

8 soil samples analyzed for Au,
@ 7.70 each \$ 61.60

Total Expenditure \$ 555.00

Assessment Credits - one days work for each
\$15.00 expended. Total number of assessment
credits 37 days

2. Assessment Credits for 8 Hour Technical Days

Field Work - K. Cunnison - 1 day (May 31, 1984)

Draughting - K. Cunnison - 1 day (July 10, 1984)

Typing - K. Cunnison - 0.5 day (July 31, 1984)

Total Technical Days Earned 2.5 days

Assessment Credits for Technical Days
(2.5 x 7) 17.5 days

TOTAL NUMBER ASSESSMENT CREDIT DAYS EARNED

FROM THIS WORK 54.5 days

APPENDIX A - 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. 62 humus samples were analyzed by neutron activation method for gold and arsenic. Eight soil samples were analyzed for gold by fire assay - direct current plasma method.

Sample preparation of the humus samples 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 120 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 the plant. The decomposition of plant debris 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.

APPENDIX B

1984
NW Below

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: D.R. PYKE & ASSOCIATES
ATTN: D.R. PYKE
P.O. BOX 1142
TIMMINS, ONTARIO
P4N 7H9

CUSTOMER NO. 75

DATE SUBMITTED
13-JUN-84

REPORT 21472

REF. FILE 17046-J2

8 SOIL, 62 HUMUS

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	2.000
AU PPB	NA	1.000
AS PPM	NA	1.000

X-RAY ASSAY LABORATORIES LIMITED

DATE 05-JUL-84

CERTIFIED BY 

SAMPLE	AU PPB	AS PPM
NWDL0E;0S-HUMUS	NH	NH
NWDL0E;1S-HUMUS	30	8
NWDL0E;2S-HUMUS	86	12
NWDL0+50E;0S-HUMUS	58	10
NWDL1E;0S-HUMUS	55	8
NWDL1E;1S-HUMUS	68	10
NWDL1+50E;0S-HUMUS	60	8
NWDL2E;0S-HUMUS	42	8
NWDL2E;1S-HUMUS	43	8
NWDL2E;1+30S-HUMUS	28	10
NWDL2+50E;0S-HUMUS	34	5
NWDL3E;0S-HUMUS	74	17
NWDL3E;1S-HUMUS	40	8
NWDL3+50E;0S-HUMUS	54	12
NWDL4E;0S-HUMUS	75	20
NWDL4E;1S-HUMUS	47	15
NWDL4+50E;0S-HUMUS	45	13
NWDL5E;0S-HUMUS	50	13
NWDL5E;1S-HUMUS	24	8
NWDL5+50E;0S-HUMUS	41	16
NWDL6E;1+55S-HUMUS	64	8
NWDL6E;0S-HUMUS	78	50
NWDL6E;1S-HUMUS	40	12
NWDL6E;4+25S-HUMUS	39	7
NWDL6E;5S-HUMUS	45	8
NWDL6E;6S-HUMUS	110	18
NWDL6E;7S-HUMUS	300	8
NWDL6E;8S-HUMUS	84	11
NWDL7E;0S-HUMUS	41	6
NWDL7+50E;0S-HUMUS	58	12
NWDL7+50E;1S-HUMUS	52	7
NWDL7+50E;2S-HUMUS	20	50
NWDL7+50E;3S-HUMUS	22	10
NWDL7+50E;4S-HUMUS	45	15
NWDL7+50E;5S-HUMUS	NH	NH
NWDL7+50E;6S-HUMUS	100	8
NWDL7+50E;7S-HUMUS	28	12
NWDL7+50E;8S-HUMUS	71	9
NWDL8E;0S-HUMUS	20	5
NWDL9E;0S-HUMUS	75	10
NWDL9E;1S-HUMUS	35	12
NWDL9E;2S-HUMUS	32	34
NWDL9E;3S-HUMUS	29	17
NWDL9E;4S-HUMUS	120	7
NWDL9E;5S-HUMUS	42	25
NWDL9E;6S-HUMUS	4	3
NWDL9E;7S-HUMUS	3	2
NWDL10+50E;0S-HUMUS	55	11
NWDL10+50E;1S-HUMUS	8	3
NWDL10+50E;2S-HUMUS	55	8

NH - NOT HUMUS

SAMPLE	AU PPB	AS PPM
NWDL10+50E:3S-HUMUS	45	5
NWDL10+50E:4S-HUMUS	36	8
NWDL10+50E:5S-HUMUS	82	21
NWDL10+50E:6S-HUMUS	3	4
NWDL11E:05-HUMUS	120	9
NWDL12E:05-HUMUS	2	2
NWDL12E:1S-HUMUS	44	7
NWDL12E:2S-HUMUS	3	3
NWDL12E:3S-HUMUS	28	10
NWDL12E:4S-HUMUS	50	12
NWDL12E:5S-HUMUS	70	12
NWDL12E:6S-HUMUS	3	3

SAMPLE	AU PPB
NWDL7+50E;6S-A-SOIL	<2
NWDL9E;0S-A-SOIL	<2
NWDL10+50E;2S-A-SOIL	<2
NWDL10+50E;3S-A-SOIL	<2
NWDL10+50E;4S-A-SOIL	<2
NWDL10+50E;5S-A-SOIL	<2
NWDL11E;0S-A-SOIL	<2
NWDL12E;4S-4-SOIL	<2

XPAL

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

INVOICE TO:

D. R. PYKE & ASSOCIATES
ATTN: D. R. PYKE
P. O. BOX 1142
TIMMINS, ONTARIO
P4N 7H9

COPY TO:

SUBMITTED TO:

D. R. PYKE & ASSOCIATES
ATTN: D. R. PYKE
P. O. BOX 1142
TIMMINS, ONTARIO
P4N 7H9

CUSTOMER NO. 754

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
21472	05-JUL-84	17046	13-JUN

TERMS

TERMS NET 30 DAYS

1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

CLIENTS P.O. NO.	CLIENT PROJECT NO.	TYPE OF SAMPLER SUBMITTED
		HUMUS SOIL

NO. OF PAGES	SHIPPED VIA	WAY-BILL NO.	SHIPPED FROM
1 BOX	PUROLATOR		

QUANTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1. 8	AU, PPB	2, 10, 7, 0, 0, 0	7.00	56.
2. 60	AU, AS, BIOGEOCHEMISTRY, REGULAR DETECTION LIMIT	13, 2, 20, 0, 0, 0	7.50	450.
3. 8	SOIL, DRYING & SCREENING	99, 2, 0, 0, 0, 0	0.70	5.
4. 62	HUMUS, DRYING & BLENDING	99, 2, 0, 0, 0, 0	0.70	43.
			SUB-TOTAL	\$ 555.00

MISC. CHARGES	SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES
OTHER				SURCHARGE - RUSH SERVICE

TRIPPLICATE COPY

TOTAL IN CANADIAN FUNDS

\$ 555.00



#224

The Min

W.P. #



42A06NW0176 2.7036 DELORO

900

Type of Survey(s): Geochemical (Expenditure)

Claim Holder(s): D. R. Pyke

Address: 31 Delain Cres Thornhill Ont L3T 2M3

Survey Company: D. R. Pyke & Assoc.

Name and Address of Author (Geo-Technical report): D. R. Pyke 31 Delain Cres Thornhill Ont

Date of Survey (from & to): 31 05 84 to 31 05 84

Total Miles of line Cut: _____

Township or Area: DELORO

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic - Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric - Other	
Man Days	Geological	
Complete reverse side and enter total(s) here	Geochemical	
Airborne Credits	Geophysical	21
Note: Special provisions credits do not apply to Airborne Surveys.	- Electromagnetic - Magnetometer - Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
P	591264	39.6			
RECEIVED JUN 29 1984 MINING LANDS SECTION RECORDED JUN 04 1984 Receipt No. <u>30</u>					
RECEIVED JUN 4 1984 PORCUPINE MINING DIVISION A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.					

Expenditures (excludes power stripping)

Type of Work Performed (Section 77-19): Humus & Soil Sampling

Performed on Claim(s): P 591264

Calculation of Expenditure Days Credits

Total Expenditures: \$ 594 ÷ 15 = 39.6 Total Days Credits

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.

Total number of mining claims covered by this report of work. 1

Date: June 11/84

Recorded Holder or Agent (Signature): D. R. Pyke

For Office Use Only

Total Days Cr. Recorded: 60.6

Date Recorded: June 4, 1984

Date Approved as Recorded: _____

Mining Recorder: [Signature]

Branch Director: see revised statement

Certification Verifying Report of Work

I hereby certify that I have a 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

D. R. Pyke P.O. Box 1142 Timmins



Ontario

Ministry of Natural Resources

GEOCHEMICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

File _____

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken P 591264

Total Number of Samples 72 taken; 70 analyzed

Type of Sample 62 humus, 8 B horizon soil
(Nature of Material)

Average Sample Weight 8 grams

Method of Collection hand/grub hoe

Soil Horizon Sampled Humus, B horizon

Horizon Development Humus - good, B - variable

Sample Depth 1.5 - 17 inches

Terrain Low-mod. relief, esker regions

v. dry, other regions damp

Drainage Development moderate - poor

Estimated Range of Overburden Thickness

0 - 50 feet (probable)

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis

Not applicable

General Samples were blended in a blending machine for homogeneity of material.

All samples were thoroughly dried before blending.

ANALYTICAL METHODS

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

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

Others Gold (Au) - p.p.b.

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory X-Ray Assay Laboratories

Extraction Method Soils - Hcl and nitric ac

Analytical Method humus-neutron act.

Reagents Used soils - fire assay and

D.C.P.

OFFICE USE ONLY

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.

Type of Survey(s) Geochemical (Humus)
Township or Area Deloro
Claim Holder(s) D.R. Pyke, 31 Delair Cres.,
Thornhill, Ont. L3T 2M3
Survey Company D.R. Pyke and Associates
Author of Report D.R. Pyke
Address of Author 31 Delair Cres., Thornhill, Ont.
Covering Dates of Survey May 31, 1984 - July 31, 1984
(linecutting to office)
Total Miles of Line Cut -----

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

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

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: July 31/84 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications 23899

Previous Surveys
File No. _____ Type _____ Date _____ Claim Holder _____

MINING CLAIMS TRAVERSED
List numerically

P 591264
(prefix) (number)

RECEIVED
AUG 13 1984
MINING CLAIMS SECTION

FORUING MINING DIVISION
RECEIVED
AUG - 1 1984
7:18:10 11:12:12 3:45:6
P.M.

TOTAL CLAIMS 1

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 _____

Instrument _____

Accuracy – Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: Fixed transmitter Shoot back In line Parallel line

Frequency _____ (specify V.L.F. station)

Parameters measured _____

Instrument _____

Scale constant _____

Corrections made _____

Base station value and location _____

Elevation accuracy _____

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 _____

INDUCED POLARIZATION

RESISTIVITY

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) _____ (specify for each type of survey)

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 _____

Mining Lands Section

File No 2.7036

Control Sheet

TYPE OF SURVEY _____ GEOPHYSICAL

_____ GEOLOGICAL

GEOCHEMICAL

EXPENDITURE

MINING LANDS COMMENTS:

- missing receipt

*- see report for
man-day breakdown*

LD

Dave

Signature of Assessor

27/11/84

Date

1984 11 27

Your File: 224/84
Our File: 2.7036

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

Dear Sir:

RE: Notice of Intent dated November 9, 1984
Geochemical Survey and Data for Assaying
on Mining Claims P 591264 et al in the
Township of Deloro

The assessment work credits, as listed with the
above-mentioned Notice of Intent, have been approved
as of the above date.

Please inform the recorded holder of these mining
claims and so indicate on your records.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

D. Isherwood:mc

cc: D.R. Pyke
31 Delair Crescent
Thornhill, Ontario
L3T 2M3

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

cc: D.R. Pyke
P.O. Box 1142
Timmins, Ontario

cc: Resident Geologist
Timmins, Ontario



Ministry of
Natural
Resources

**Technical Assessment
Work Credits**

File 2.7036

Date 1984 11 09 Mining Recorder's Report of Work No. 224/84

Recorded Holder	D.R. PYKE
Township or Area	DELORO TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ 17.5 days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input type="checkbox"/> Ground <input type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input checked="" type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	P 591264 \$555.00 SPENT ON ASSAYS OF SAMPLES COLLECTED ON THE ABOVE CLAIM. 37.0 ASSESSMENT DAYS WORK CREDIT ALLOWED

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey
 Insufficient technical data filed



Ministry of
Natural
Resources

Ontario

Nov. 23/84

1984 11 08

Your File: 224/84
Our File: 2.7036

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

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

R⁰ D. Isherwood:mc

Encls.

cc: D.R. Pyke
31 Delair Crescent
Thornhill, Ontario
L3T 2M3

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

cc: D.R. Pyke
P.O. Box 1142
Timmins, Ontario
P4N 7H9



Ministry of
Natural
Resources

Notice of Intent
for Technical Reports

1984 11 09

2.7036/224/84

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

REGISTERED

October 9, 1984

File: 2.7036

D.R. Pyke
31 Delair Crescent
Thornhill, Ontario
L3T 2M3

Dear Sir:

RE: Geochemical Survey and Data for Assaying
submitted on Mining Claims P 591264 et
al in the Township of Deloro

Enclosed is a copy of our letter dated August 30, 1984
requesting additional information for the above-mentioned
survey.

Unless you can provide the required data by October 19, 1984
the mining recorder will be directed to cancel the work
credits recorded on June 4, 1984.

For further information, please contact Mr. Ray Pichette
at (416)965-4888.

Yours sincerely,

*Client called
on 84-10-15
allow 3 to 4 weeks*

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-4888

S. Hurst:mc

cc: Mining Recorder
Timmins, Ontario

Encl.

cc: D.R. Pyke
P.O. Box 1142
Timmins, Ontario
P4N 7H9

XRAL

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

INVOICE TO:

D. R. PYKE & ASSOCIATES
ATTN: D. R. PYKE
P. O. BOX 1142
TIMMINS, ONTARIO
P4N 7H9

COPY TO:

File - 2.7036

SUBMITTED TO:

D. R. PYKE & ASSOCIATES
ATTN: D. R. PYKE
P. O. BOX 1142
TIMMINS, ONTARIO
P4N 7H9

CUSTOMER NO. 754

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
21472	05-JUL-84	17046	13-JUN-84

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

QUANTITY	CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
		HUMUS SOIL

QUANTITY	DESCRIPTION	WARRANTY NO.	CHARGED FROM
1 BOX	PURULATOR		

QUANTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1. 8	AU, PPB	2, 10, 7, 0, 0, 0	7.00	56.00
2. 60	AU, AS, BIOGEOCHEMISTRY, REGULAR DETECTION LIMIT	13, 2, 20, 0, 0, 0	7.50	450.00
3. 8	SOIL, DRYING & SCREENING	99, 2, 0, 0, 0, 0	0.70	5.60
4. 62	HUMUS, DRYING & BLENDING	99, 2, 0, 0, 0, 0	0.70	43.40
			SUB-TOTAL	\$ 555.00

X-RAY ASSAY LABORATORIES LTD.

Paid in full
Accounts Receivable Dept
Judy
Oct 25, 1984

MISC. CHARGES

TRIPPLICATE COPY

TOTAL IN CANADIAN FUNDS

\$ 555.00

August 30, 1984

File: 2.7036

D.R. Pyke
31 Delair Crescent
Thornhill, Ontario
L3T 2M3

Dear Sir:

RE: Geochemical Survey and Data for Assaying submitted
under Section 77(19) of the Mining Act RSO 1980
on Mining Claim P 591264 in the Township of Deloro

In order to complete your submission for expenditure
credits, a signed receipt or cancelled cheque, in duplicate,
is required.

Please forward the above information to this office quoting
file 2.7036.

For further information, please contact Mr. Doug Isherwood
at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario

Whitsherwood:mc

cc: Mining Recorder
Timmins, Ontario

1984 08 21

Your File: 224
Our File: 2.7036

Mr. Bruce Hanley
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 on Mining Claim
P 591264 in the Township of Deloro.

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

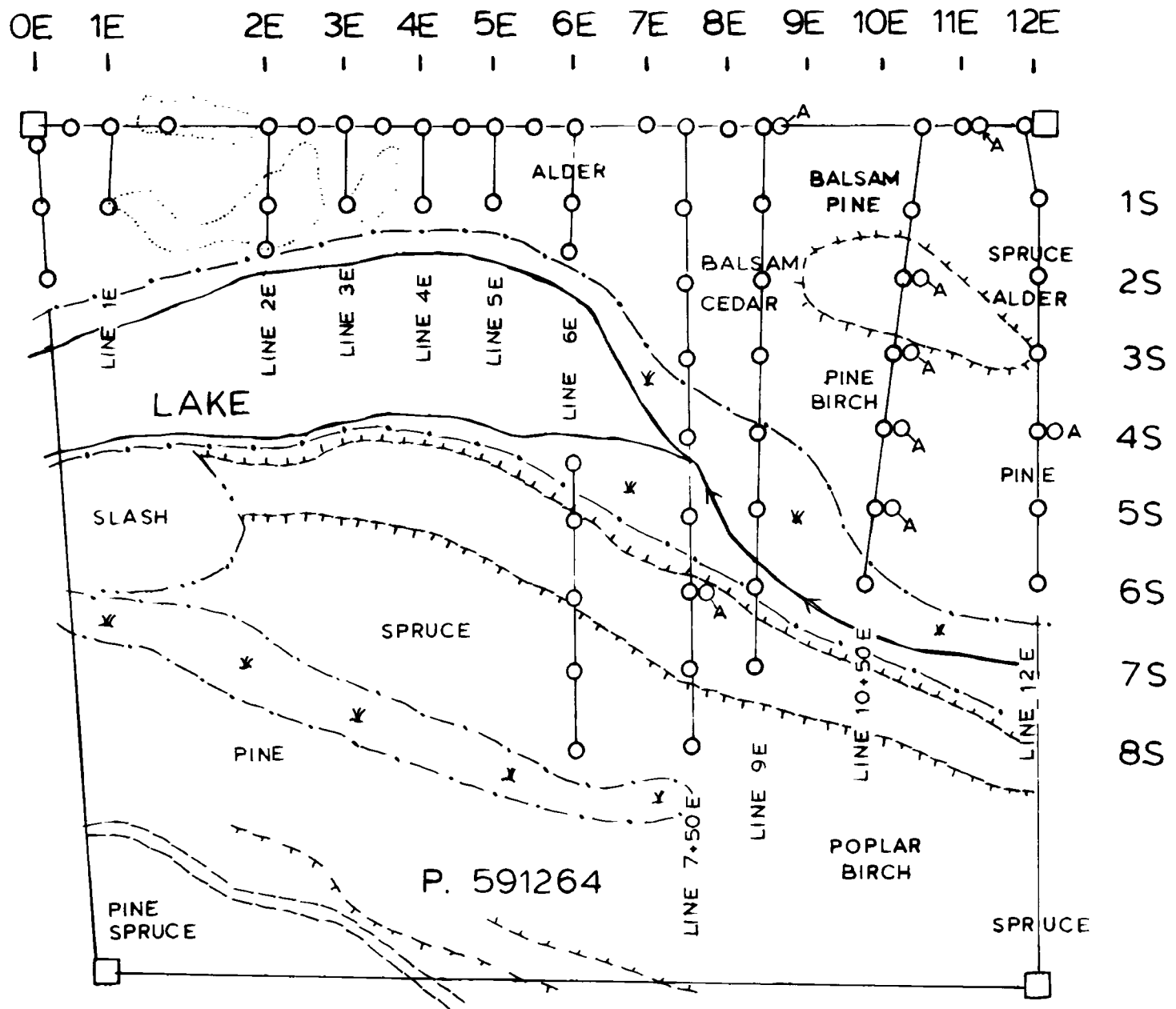
Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-6918

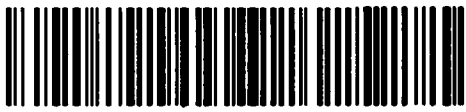
A. Barr:sc

cc: Dr. D.R. Pyke
31 Delair Crescent
Thornhill, Ontario
L3T 2M3

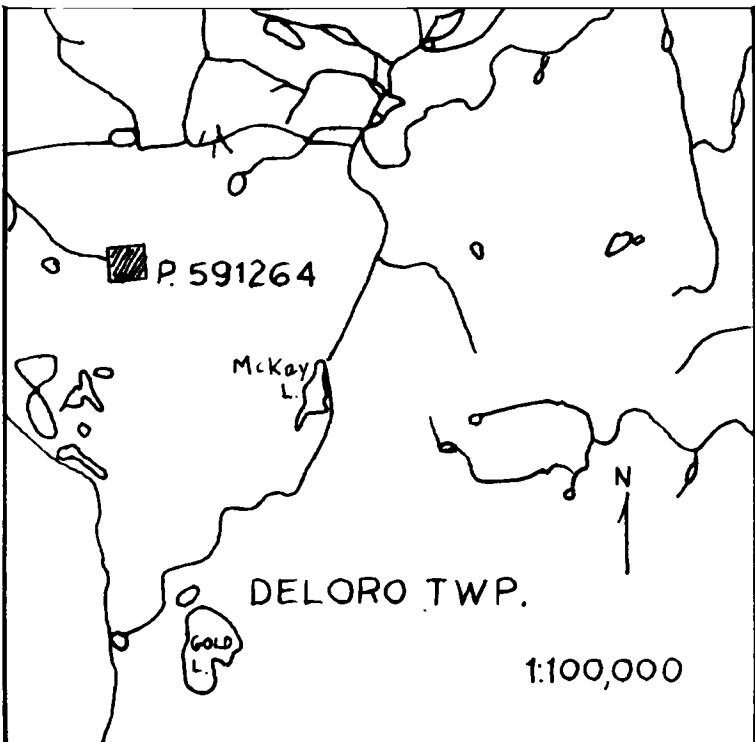


LEGEND

- sample station
- (dashed) outcrop area
- claim post
- road
- ~ stream
- x- edge of swamp
- +++ esker



200

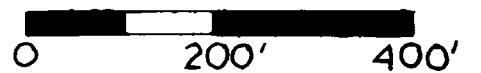


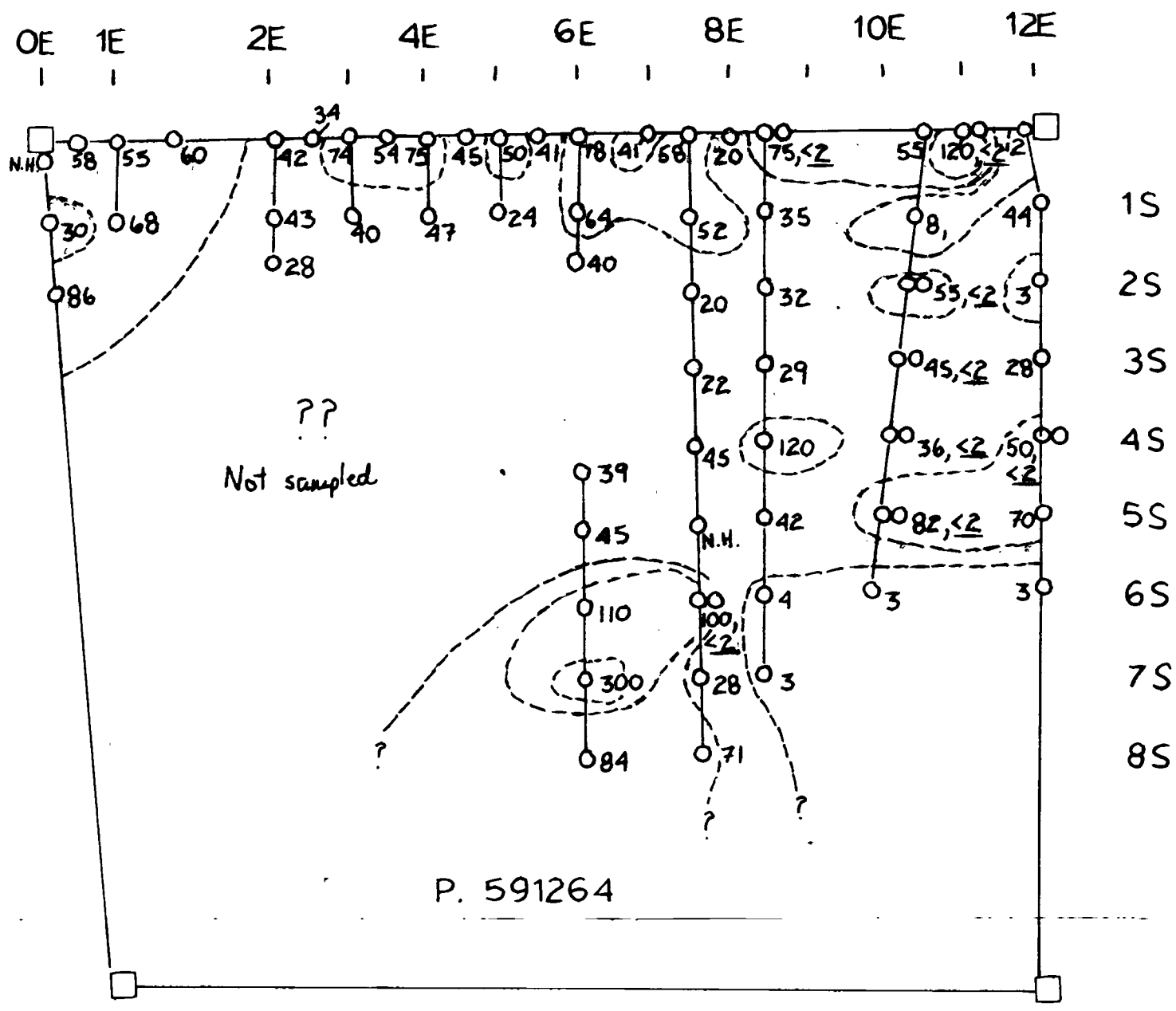
COMSTATE RESOURCES LTD.
 GEOCHEMICAL (HUMUS) SURVEY
 MAP A
 TOPOGRAPHY AND SAMPLE LOCATION
 SITES

D. R. Pyke

NORTHWEST DELORO TWP. JUNE 1, 1984
 TIMMINS, ONTARIO DRAWN BY: D. R. PYKE

Scale: 1" = 200'





LEGEND

- o humus sample station
- oo humus sample + B horizon soil sample station (values underlined)
- claim post

- 0 - 19 p.p.b. gold
- 20 - 49 p.p.b. gold
- 50 - 99 p.p.b. gold
- 100 - 199 p.p.b. gold
- 200+ p.p.b. gold
- NW non humus material



COMSTATE RESOURCES LTD.
 GEOCHEMICAL (HUMUS) SURVEY
 MAP B

CONTOURED VALUES OF GOLD
 PARTS PER BILLION

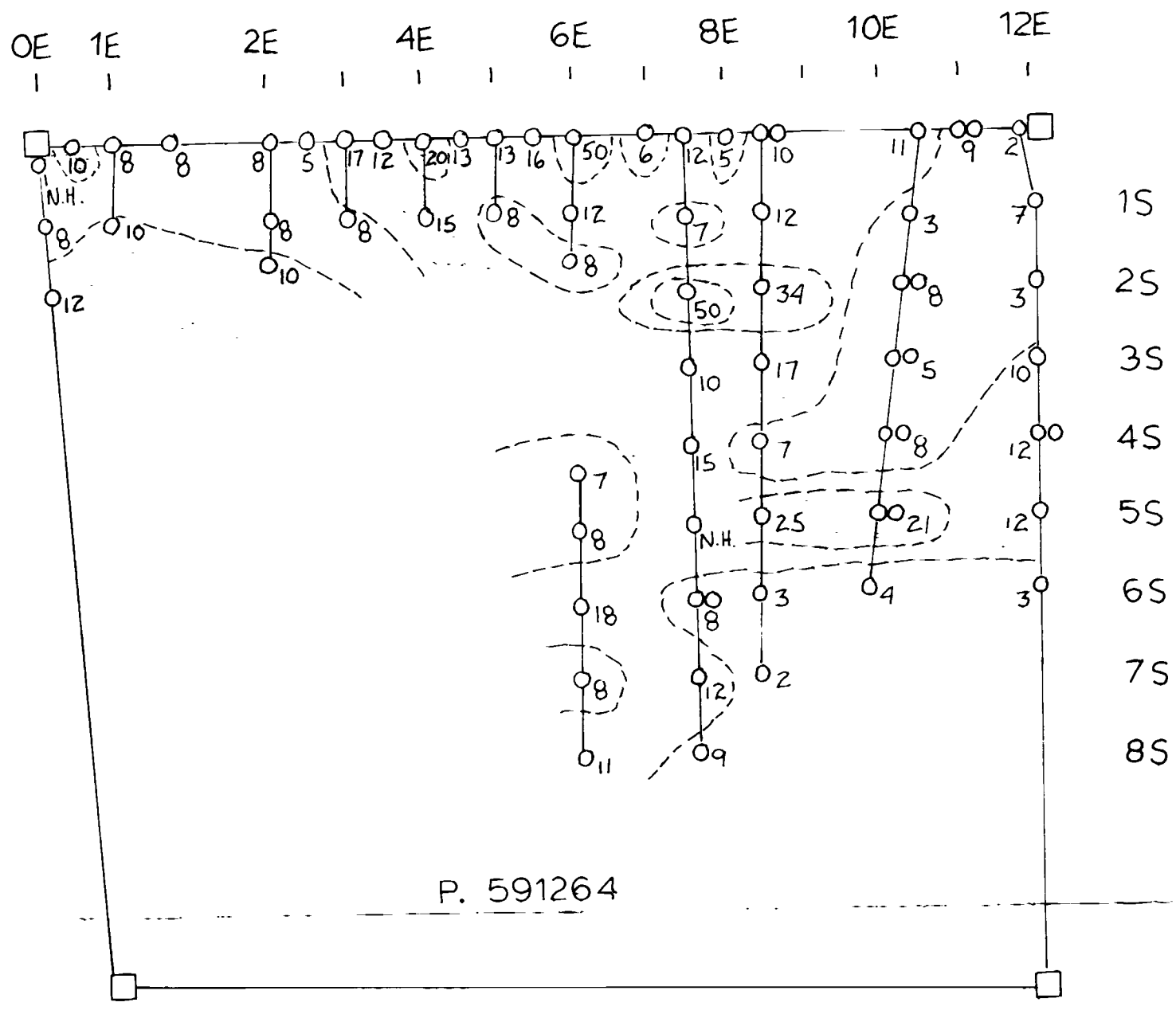
D. R. Pyke

NORTHWEST DELORO TWP. JUNE 1, 1984

TIMMINS, ONTARIO DRAWN BY: D. R. PYKE

Scale: 1" = 200'





LEGEND

- humus sample station
- humus sample + B horizon soil sample station
- claim post

- 0 - 9 ppm arsenic
- ▨ 10 - 19 ppm arsenic
- ▩ 20 - 49 ppm arsenic
- 50 ppm arsenic
- N.H. non humus material



COMSTATE RESOURCES LTD.
 GEOCHEMICAL (HUMUS) SURVEY
 MAP C

CONToured VALUES OF ARSENIC
 PARTS PER MILLION

NORTHWEST DELORO TWP. JUNE 1, 1984
 TIMMINS ONTARIO DRAWN BY . D.R. PYKE

Handwritten signature: D.R. Pyke



220

Scale: 1" = 200'

