



42A10NW0578 2.7672 DUNDONALD

010

GEOLOGICAL SURVEY OF
DUNDONALD 36
DUNDONALD TOWNSHIP
NTS: 42-A-10

JANUARY, 1985

J. PATTISON
D. HURST

SUMMARY

No outcrops were found during the survey. Based on old drill logs and magnetic surveys published by the O.G.S. the claims are underlain by mafic and felsic volcanics which have been intruded by a dunite-peridotite body.

CONCLUSIONS AND RECOMMENDATIONS

Work to date has not outlined any significant geophysical anomalies. The known geology does not suggest that the property lies in a favourable environment for massive sulphide type base metal deposits. Therefore, no further work is recommended.



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010C

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1. Location and Access Map 2
2. Property Map (1:5,000) (Back Pocket)

INTRODUCTION

Between August 7th and 10th 1984, ten contiguous claims numbered P 749940 to P 749945 and P 789776 to P 789779 inclusive in Dundonald Township were mapped at a scale of 1:5,000 by D. Hurst under the direction of J. Pattison. Airphotos at a scale of 1:5,000 were used for control.

LOCATION, ACCESS AND TOPOGRAPHY

The claim group is located approximately 55 km northeast of Timmins (see figure 1). It covers the northern half of lots 1 and 2 of concession III and the southeast quarter of lot 3, concession III, Dundonald Township. Highway 67 runs through the middle of the property and a spur line of the Ontario Northland Railway to Timmins crosses the northern part of the group. Numerous trails and bushroads cross the claims.

The property is flat and covered by sand, clay and swamp. The highest relief in the area is a steep hill just to the south of the claims along the Dundonald-Clergue township line, near the site of the old Alexo Mine.

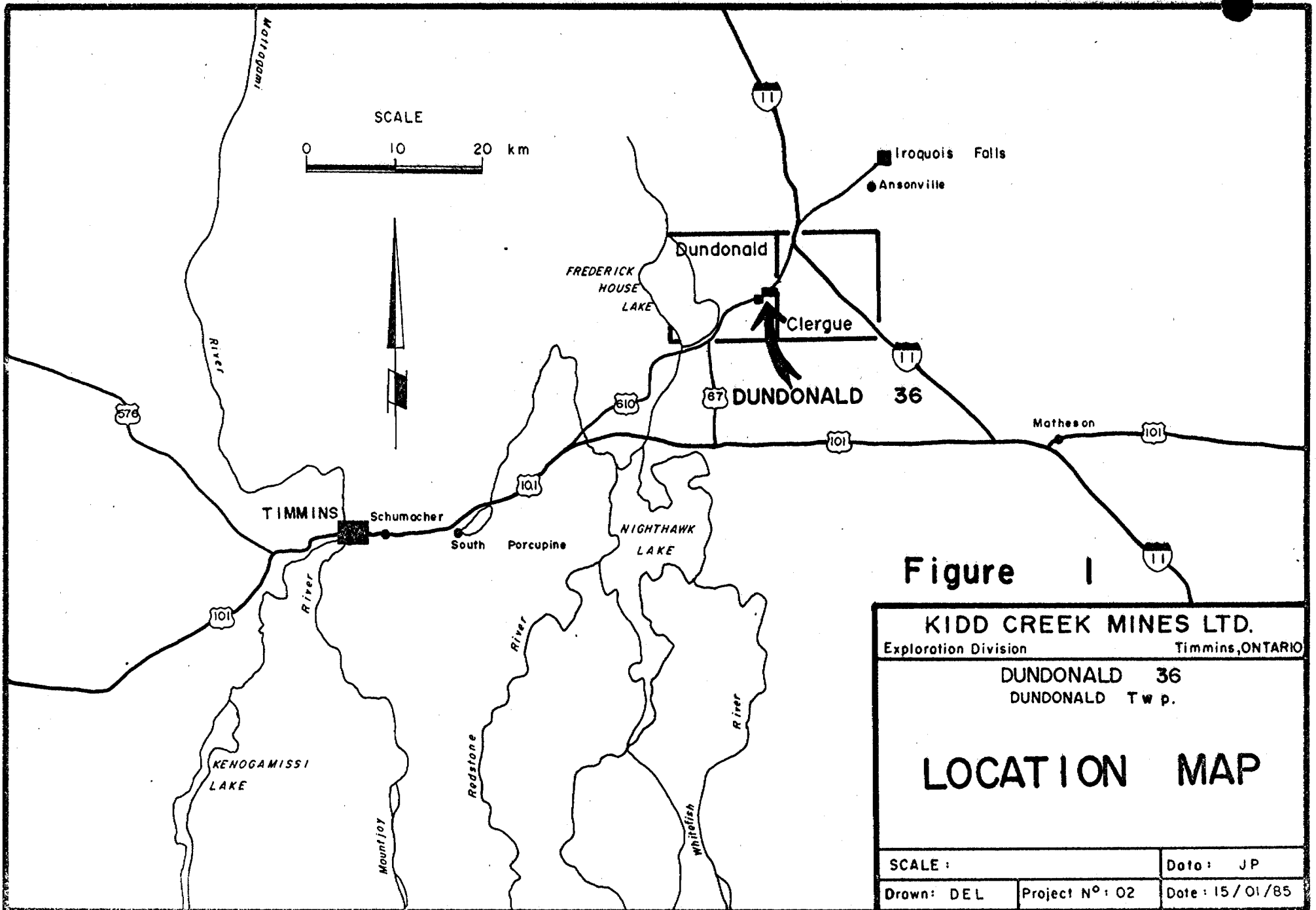


Figure 1

KIDD CREEK MINES LTD. Exploration Division Timmins, ONTARIO		
DUNDONALD 36 DUNDONALD Twp.		
<h1>LOCATION MAP</h1>		
SCALE :		Date: JP
Drawn: DEL	Project N ^o : 02	Date: 15/01/85

PREVIOUS WORK

In 1964, Alsof Mines Ltd. drilled five diamond drill holes on the property which outlined a peridotite-dunite body under claims P 789777 and P 749945. One hole, drilled from the north, intersected andesites, quartz-feldspar porphyry and rhyodacite before entering the ultramafic body.

In 1973, Asarco Exploration conducted an extra low frequency electromagnetic survey over the claims. No significant anomalies were found.

In 1975, R. Allerston drilled a diamond drill hole on claim P 749941. The hole intersected gabbro, peridotite, pyroxenite and dunite.

PROPERTY GEOLOGY

No outcrops were found during the mapping. A map of the claims at 1:5,000 scale outlining the traverses made is included at the back of the report. Drilling by Alsof Mines Ltd. and previous ground magnetometer surveys indicate the

property is underlain by mafic and felsic volcanics intruded
by ultramafic material perhaps related to the Dundonald Sill
located just south of the property.



JOHN PATTISON
DOUG HURST

DECLARATION

I, John Pattison, certify that I graduated from the University of Toronto with a four year Bachelor of Science degree, specialist in geology, in May, 1983. Since then I have been practicing my profession with Kidd Creek Mines Ltd.


JOHN PATTISON



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.

Type of Survey(s) Geological
Township or Area Dundonald
Claim Holder(s) Kidd Creek Mines Ltd.
571 Moneta Ave., P.O. Box 1140 Timmins
Survey Company _____
Author of Report John Pattison
Address of Author 571 Moneta Ave. P.O. Box 1140 Timmins
Covering Dates of Survey 7/8/84 to 10/8/84
(linecutting to office)
Total Miles of Line Cut _____

MINING CLAIMS TRAVERSED
List numerically

P 749940
(prefix) (number)
P 749941
P 749942
P 749943
P 749944
P 749945
P 789776
P 789777
P 789778
P 789779

If space insufficient, attach list

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.
ENTER 20 days for each additional survey using same grid.

Geophysical
-Electromagnetic _____
-Magnetometer _____
-Radiometric _____
-Other _____
Geological 20
Geochemical _____

DAYS per claim

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

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

DATE: 17/01/85 SIGNATURE: John Pattison
Author of Report or Agent

PORCUPINE MINING DIVISION
RECEIVED
JAN 17 1985
A.M. P.M.
7 8 9 10 11 12 1 2 3 4 5 6

Res. Geol. _____ Qualifications This file

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 10

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 _____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

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

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

Others _____

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 _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____

1985 02 18

File: 2-7672

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

Dear Sir:

RE: Geological Survey submitted on
Mining Claims P 749940, et al,
in Dundonald Township

The assessment work credits as listed on the
attached statement have been approved as of
the above date.

Please note, no report of work had been filed
at the time of assessment.

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

S. Hurst:mc

cc: Mining Geologist
Timmins, Ontario

Encl.

cc: Kidd Creek Mines Limited
571 Hornby Avenue
P.O. Box 110
Timmins, Ontario
P4N 7A9

NO REPORT OF WORK FILED

Recorded Holder KIDD CREEK MINES LIMITED
Township or Area DUNDONALD 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 _____ ²⁰ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	P 749940 to 945 inclusive 789776 to 779 inclusive

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

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19)—80:



Northern Region (705-267-1401)
Regional Office
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Your file 2.7672

1 February 1985

MEMORANDUM TO: S.E. Yundt, Director
Land Management Branch
Ministry of Natural Resources
Whitney Block
Queen's Park
Toronto, Ontario

ATTENTION: F.W. Mathews

SUBJECT: Geological Survey on Mining Claims
P-749940 etal, Dundonald Twp.

RECEIVED	
Land Management Branch	
CIRCULATE	<input type="checkbox"/>
COMMENTS PLEASE	<input type="checkbox"/>
BY	
FEB -6 1985	
S. E. YUNDT	
J. R. MORTON	
J. C. SMITH	✓
W. L. GOOD	
M. J. HOGAN	
W. R. BROOK	
RETURN TO (R. 5623)	

In response to your letter of 1985.01.29, no report of work form was submitted to this office in connection with the subject survey. As a consequence, the claims involved were forfeited on January 29, 1985 under subsection 85 (d).

I would suggest that rather than examine and assess the reports and maps submitted by Kidd Creek Mines, they be returned to them.

B. Hanley
Mining Recorder
Porcupine Mining Division

BH:jl

RECEIVED

FEB 07 1985

MINING LANDS SECTION

1985 01 29

Your File:
Our File: 2.7672

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

Dear Sir:

We received reports and maps on January 21, 1985 for a Geological Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims P 749940 et al in the Township of Dundonald.

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

We do not have a copy of the report of work which is normally filed with you prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

A. Barr:sc

cc: Kidd Creek Mines Limited
571 Moneta Avenue
P.O. Box 1140
Timmins, Ontario

Kidd Creek Mines Ltd.

Box 1140
571 Moneta Avenue,
Timmins, Ontario P4N 7H9
(705) 267-1188

Exploration Division

January 17, 1985

Mr. Fred Matthews
Director, Land Management Branch
Whitney Block, Room 6450
Queen's Park
TORONTO, Ontario
M7A 1W3

Dear Sir:

Re: DUNDONALD TOWNSHIP

Enclosed please find duplicate copies of a report and maps covering claims in Dundonald Township. The claims aforementioned are P-749940 to P-749945 inclusive, and P-789776 to P-789779 inclusive.

Your prompt attention to this matter would be greatly appreciated.

Yours very truly,


JOHN PATTISON

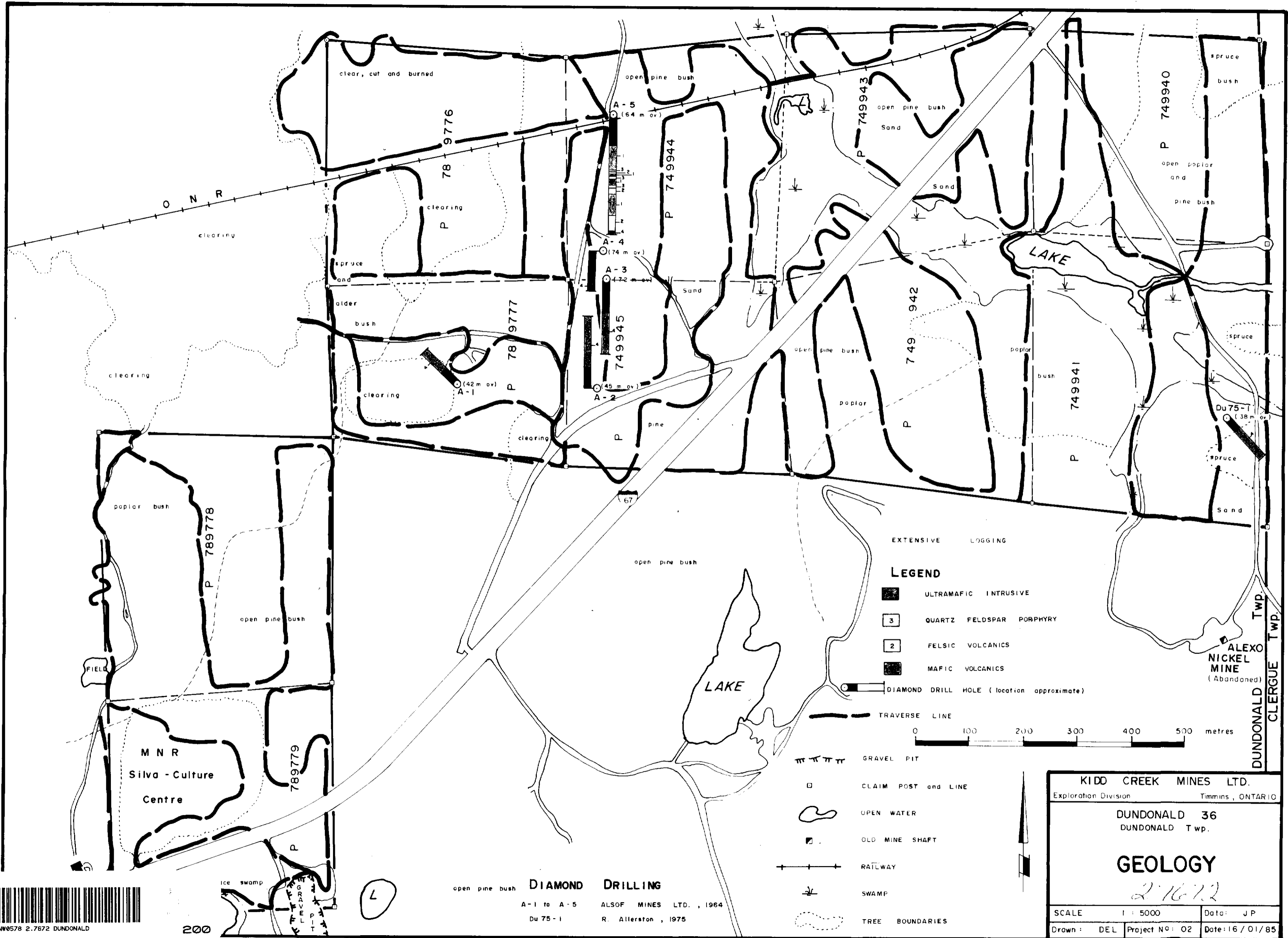
JP/pp
Encls.

RECEIVED

JAN 21 1985

MINING LANDS SECTION

Kidd



O N R

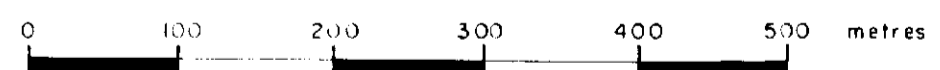
M N R
Silva - Culture
Centre

DIAMOND DRILLING

A-1 to A-5 ALSOF MINES LTD., 1964
Du 75-1 R. Allerston, 1975

LEGEND

- ULTRAMAFIC INTRUSIVE
- QUARTZ FELDSPAR PORPHYRY
- FELSIC VOLCANICS
- MAFIC VOLCANICS
- DIAMOND DRILL HOLE (location approximate)
- TRAVERSE LINE
- GRAVEL PIT
- CLAIM POST and LINE
- OPEN WATER
- OLD MINE SHAFT
- RAILWAY
- SWAMP
- TREE BOUNDARIES



KIDD CREEK MINES LTD.	
Exploration Division Timmins, ONTARIO	
DUNDONALD 36 DUNDONALD Twp.	
GEOLOGY <i>2.7.67.2</i>	
SCALE 1 : 5000	Date: J P
Drawn: DEL Project No: 02	Date: 16 / 01 / 85



200

DUNDONALD TWP.
CLERGUE TWP.

ALEXO
NICKEL
MINE
(Abandoned)

LAKE

LAKE

L