



52N04NW0007 2.10537 MCDONOUGH

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GEOCHEMICAL SURVEY REPORT
1986-1987 WORK PROGRAMME
McDONOUGH LAKE PROPERTY
PURE GOLD RESOURCES LTD.

RECEIVED

NOV 18 1987

MINING LANDS SECTION

GEOCHEMICAL SOIL SURVEY
CONDUCTED ON THE
MCDONOUGH PROPERTY
FOR
NORAMCO EXPLORATIONS INCORPORATED

Sheila Reid.B.Sc
November, 1986.

*Check
This file.*

TABLE OF CONTENTS

1. Introduction.....3
2. Summary.....3
3. Property, Location and Access.....3-4
4. Grid Description.....4
5. Field Methods.....4
6. Geology and Geophysics.....5
7. Quaternary Geology.....5
8. Soil Geochemistry and Results.....5
9. References.....7

Appendix: Sample Analysis Results (33 pages)

Figures:

Figure 1 Claim Map.....3A

Figure 2 Location Map.....3B

Attachments:

Sample Location Map (enclosed)

McDonough Claim Group, Scale 1 cm = 5000 meters

Soil Geochemistry Map (enclosed)

McDonough Claim Group, Scale 1 cm = 5000 meters

1. INTRODUCTION

The McDonough Property is located in McDonough Township, in northwestern Ontario, in the northern section of the Red Lake goldcamp. The property is composed of a group of 133 claims that were optioned to NORAMCO EXPLORATIONS INCORPORATED from the Greater Temagami Mining Company to explore the potential of gold mineralization on the property.

The prospecting and geological mapping conducted in this potential geologically favourable area is hampered by the masking effect of glacial overburden, therefore, a soil geochemistry survey was undertaken to compliment the geological and geophysical data collected in the area.

The survey commenced on October 14, 1986, and ended on November 7, 1986. Sampling was conducted on the B - soil horizon. This report discusses the work done and the results of the survey.

2. SUMMARY

A geochemical soil survey was conducted on the McDonough property in the fall of 1986. The B - horizon soil layer was sampled and assayed for its gold content. No significant results were reported from the assays. Soil sampling as a geochemical exploration tool did not prove successful on the property.

3. PROPERTY, LOCATION AND ACCESS

Property

The property consists of 133 contiguous, unpatented mining claims in McDonough Township, District of Kenora, Red Lake Mining Division, Ontario. The claims are shown on Figure 2 and the property is outlined in Figure 1. (After claim map M.2182 McDonough Township, Ministry of Natural Resources).

Location

The property is located immediately north of Post Narrows, of Red Lake, in the District of Kenora at 51 degrees 05 minutes North latitude, 95 degrees 50 minutes West longitude, 10 kilometers directly north of Red Lake, Ontario. The Chukuni River cuts through the eastern part.

Access

The property can be easily accessed from Red Lake by travelling north on the Nungesser road, located 1 kilometer north of Balmertown. Proceed northeast on Nungesser road for 16 kilometers, then turn west onto Pine Ridge road and travel 10 kilometers to where the eastern boundary of the property crosses the road.

The property can also be accessed by boat from Cochenour through Hoyles Bay. On Pine Ridge road, near the western limit of the property, a winter road stretches from the northern to southern boundary.

4. GRID DESCRIPTION

During the period of September 25, 1986 to November 29, 1986, a grid was cut on the property.

Linecutting was carried out by C.D.I. Surveys of Val D'Or, Quebec. Grid lines were cut at 100 meter spacing and picket stations were 25 meters apart.

The grid is cut in two separate sections. The majority of the grid lines run north-south and baseline and two tielines run east-west. In the remaining portion of the grid, located in the south-east, the grid lines run at 130 degrees and baseline and tielines run at 40 degrees. A total of 182 kilometers of picket lines were cut and 28 kilometers of baseline and tielines were cut.

5. FIELD METHODS

Samples were collected at 25 meter intervals along grid lines spaced 100 meters apart. The sampling was undertaken on all even numbered lines. Emphasis was placed on areas of known till occurrences. Sampling in these areas was completed on every line.

Grub hoes and spades were used to collect samples from beneath the organic-rich soil horizon. A 250 gram sample of preferably leached material was collected at an average depth of 0.3 meters.

The longevity of linecutting and time constraints imposed due to winter freeze up, prevented complete sampling. In total, 63% of the projected area was sampled before a heavy snowfall ended all sampling.

6. GEOLOGY AND GEOPHYSICS

A comprehensive geological mapping project and two geophysical surveys were carried out under separate supervision and are discussed in other reports.

7. QUATERNARY GEOLOGY

The McDonough property lies in the extreme south-western corner of the Red Lake Lansdowne area (Prest 1963). Much of the central and south - eastern portion is underlain by glacial deposits that were deposited in the form of end moraines by glaciers moving in a south-west direction. A glaciofluvial complex (deposited during the waning stages of the late Wisconsin glaciation) predominates in the western portion. Further ice wastage resulted in the development of glacial Lake Agassiz as evidenced by massive deposition of glaciolacustrine sediments in the east. Following the withdrawal of glacial lake Agassiz, there were innumerable small lakes and ponds left in which organic deposits accumulated. Deposits of this sort prevail in the western section and exist sporadically throughout the claim group.

8. SOIL GEOCHEMISTRY AND RESULTS

A total of 1,661 soil samples were collected. All samples were air dried in the field office before shipment to Swastika Laboratories Limited, (Swastika, Ontario) for analysis. The sample locations are shown on the Sample Location Map (Map #1) and the assays are shown on the Soil Geochemistry Map (Map #2); both in the back folder of this report. The Appendix contains copies of the assay certificates.

All samples collected were assayed for gold.

The soil samples were analyzed using a standard fire-assay-atomic absorption (FA-AA) technique employing one-half assay ton (i.e. 15 gram portion).

The samples were oven-dried overnight at 80 degrees celsius, blended and passed through a minus 80 mesh (-0.177 millimeter) screen. The pulp was then analyzed for gold by atomic absorption. The detection limit for gold using this method is 5 ppb, where sufficient sample is present.

Results

The survey showed no significant results.
This may be the result of the nature of the sample taken.
Due to a lack of till coverage in the immediate area, a majority
of the sampling medium consisted of glaciolacustrine sediments.

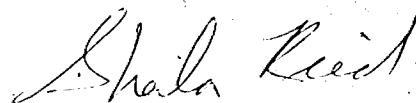
REFERENCES

1. Donaldson, W. and Flood, E., 1986.
Geological Report for the McDonough Property for
NORAMCO EXPLORATIONS INC., Red Lake, Ontario
2. Ontario Geological Survey
Assessment files, Red Lake, Ontario
3. Prest, V.K. 1963
Red Lake-Lansdowne House Area, Northwestern Ontario,
Surficial Geology; Geological Survey of Canada, paper
63-6. Accompanied by Map 4 - 1963, Map 5-1963
4. Prest, V.K. 1981
Quaternary Geology of the Red Lake Area, District of
Kenora, (Patricia Portion); Ontario Geological Series
Scale 1:50,000. Geology 1978, 1979, 1980.
5. Smith, P.A., 1986
Preliminary Geophysics Maps from McDonough Property.
Dighem Survey and Processing Inc. Mississauga, Ontario.

CERTIFICATE OF QUALIFICATION

I, Sheila Reid, do hereby certify:

1. that I am a geologist and reside at 11 Keewatin Street, Red Lake, Ontario, P0V 2M0.
2. that I graduated from Memorial University (St. John's Newfoundland) in 1986 with a Bachelor of Science degree in Geology.
3. that I have practiced my profession continuously since graduation.
4. that this Geochemical Soil Report for the McDonough Property, Red Lake, Ontario is based on my personal knowledge of the geology of the area, field work carried out by and supervised by me, and on a review of published and unpublished information on the property and surrounding area.



S.E. Reid B.Sc
November 15, 1987

APPENDIX



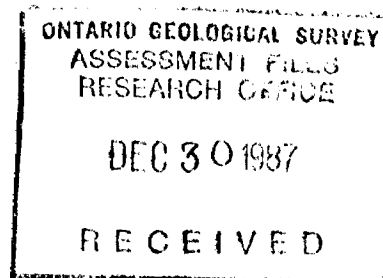
52N04NW0007 2.10537 MCDONOUGH

900

December 4, 1986

Your File: 102
Our File: 2.10537

Mining Recorder
Ministry of Northern Development and Mines
P.O. Box 324
Red Lake, Ontario
POV 2M0



Dear Madam:

RE: Notice of Intent dated November 19, 1987
Geochemical Survey on Mining Claims KRL 865504 et al
in the Township of McDonough

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,

W.R. Cowan, Manager
Mining Lands Section
Mines and Minerals Division

Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

AB:pl
Enclosure: Technical Assessment Work Credits

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

Resident Geologist
Red Lake, Ontario

Pure Gold Resources Inc.
1210 Main Street West
North Bay, Ontario
P1B 2W6

Recorded Holder
 Pure Gold Resources Inc.

Township or Area
 McDonough 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 <u>12</u> days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input checked="" 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.	KRL 865504 to 23 inclusive 865525-26 865528-29 865533 to 50 inclusive 865552-53 865555 to 58 inclusive 865575-76-79 to 89 inclusive 865695-96-97 869710 to 16 inclusive 869719-20-21 869724-26 869759-60-62-63-64 869767 to 73 inclusive 894602-03

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) - 60.

102-87

Instructions: - Please type or print. **Nov. 24.**
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Mining Act 2,10537

McDonough Lake PROPERTY

Type of Survey(s) Geochemical Survey Township or Area McDonough Twp

Claim Holder(s) Pure Gold Resources Inc. Prospector's Licence No. T-4689

Address 1210 Main St W. North Bay, Ontario P1B 2W6

Survey Company Noramec Explorations Inc. Date of Survey (from & to) 19 09 86 07 11 Total Miles of line Cut 1.0

Name and Address of Author (of Geo-Technical report) P.O. Box 825 Gouhenour-Williams Minesite Pick Lake Ontario P0V 2M0

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

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	
	Geological	
	Geochemical	20
Man Days RECEIVED	Geophysical	Days per Claim
Complete reverse side and enter total here NOV 05 1987	- Electromagnetic	
MINING LANDS SECTION	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	- Electromagnetic	
	- Magnetometer	
	- Radiometric	

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
KRL	865504		KRL	865529	
	865505			865533	
	865506			865534	
	865507			865535	
	865508			865536	
	865509			865537	
	865510			865538	
	865511			865539	
	865512			865540	
	865513			865541	
	865514			865542	
	865515			865543	
	865516			865544	
	865517			865545	
	865518			865546	
	865519			865547	
	865520			865548	
	865521			865549	
	865522			865550	
	865523			865552	
	865525			865553	
	865526			865555	
	865528			865556	

Expenditures (excludes power & logging)

Type of Work Performed **NOV 05 1987**

Performed on Claim(s) **MINING LANDS SECTION**

Calculation of Expenditure Days Credits

Total Expenditures ÷ 15 = 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. **90**

For Office Use Only

Total Days Cr. Recorded **1800** Date Recorded **Oct 5/87** Mining Recorder **Michelle Dubeau**

Date Approved as Recorded **See revised statement** Mining Director

Date **Oct. 2, 1987** Recorded Holder or Agent (Signature) **Michelle Dubeau**

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. **(KRL 865504)**

Name and Postal Address of Person Certifying **Noramec Explorations Inc. 1210 Main St. W. North Bay, Ontario P1B 2W6**

Date Certified **Oct 2, 1987** Certified by (Signature) **Michelle Dubeau**

MCDONOUGH LAKE CLAIMS CONTINUED

CLAIM NO	CLAIM NO	CLAIM NO
865557	865595	869767
865558	865596	869768
865575	865597	869769
865576	869710	869770
865579	869711	869771
865580	869712	869772
865581	869713	869773
865582	869714	894602
865583	869715	894603
865584	869716	
865585	869719	
865586	869720	
865587	869721	
865588	869724	
865589	869726	
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	869764	

RECEIVED
 OCT 5 1987
 RED LAKE
 MINING DIV.

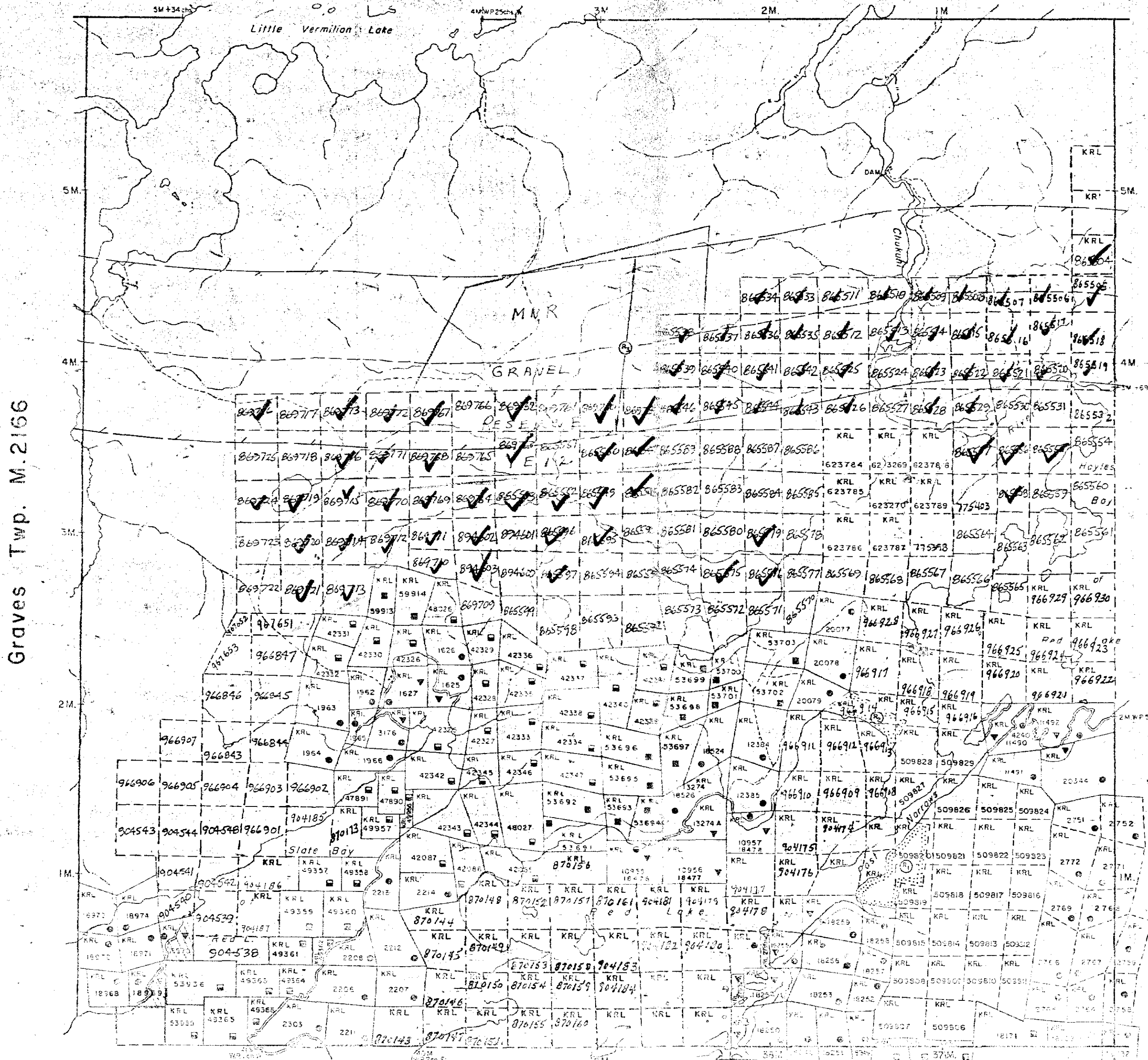
Corallan Lake Area M.2658

THE TOWNSHIP OF
OF
McDONOUGH

DISTRICT OF
KENORA
PATRICIA PORTION

RED LAKE
MINING DIVISION

SCALE: 1-INCH 40 CHAINS



DISPOSITION OF CROWN LANDS

- PATENT, SURFACE AND MINING RIGHTS
- " SURFACE RIGHTS ONLY
- " MINING RIGHTS ONLY
- LEASE, SURFACE AND MINING RIGHTS
- " SURFACE RIGHTS ONLY
- " MINING RIGHTS ONLY
- LICENCE OF OCCUPATION
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUD
- MINES
- CANCELLED

RED LAKE MINING DIVISION
FEB 12 1987

RED LAKE, ONTARIO
NOTES

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

Flooding on Chukuni River above dam to contour elevation 1198.5' 6923 file.147880.

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

Order No	File	Date	Disposition
(N)	163474	Aug 20, '70	surface rights only
(R)		May 4, '71	"
(W.S./B)	63288	8/10/81	"
(D. 19/85)		July 15, 1983	"
(1E6 CHANGED TO 1E12)		JULY 18, 1984	"

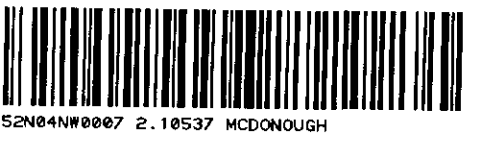
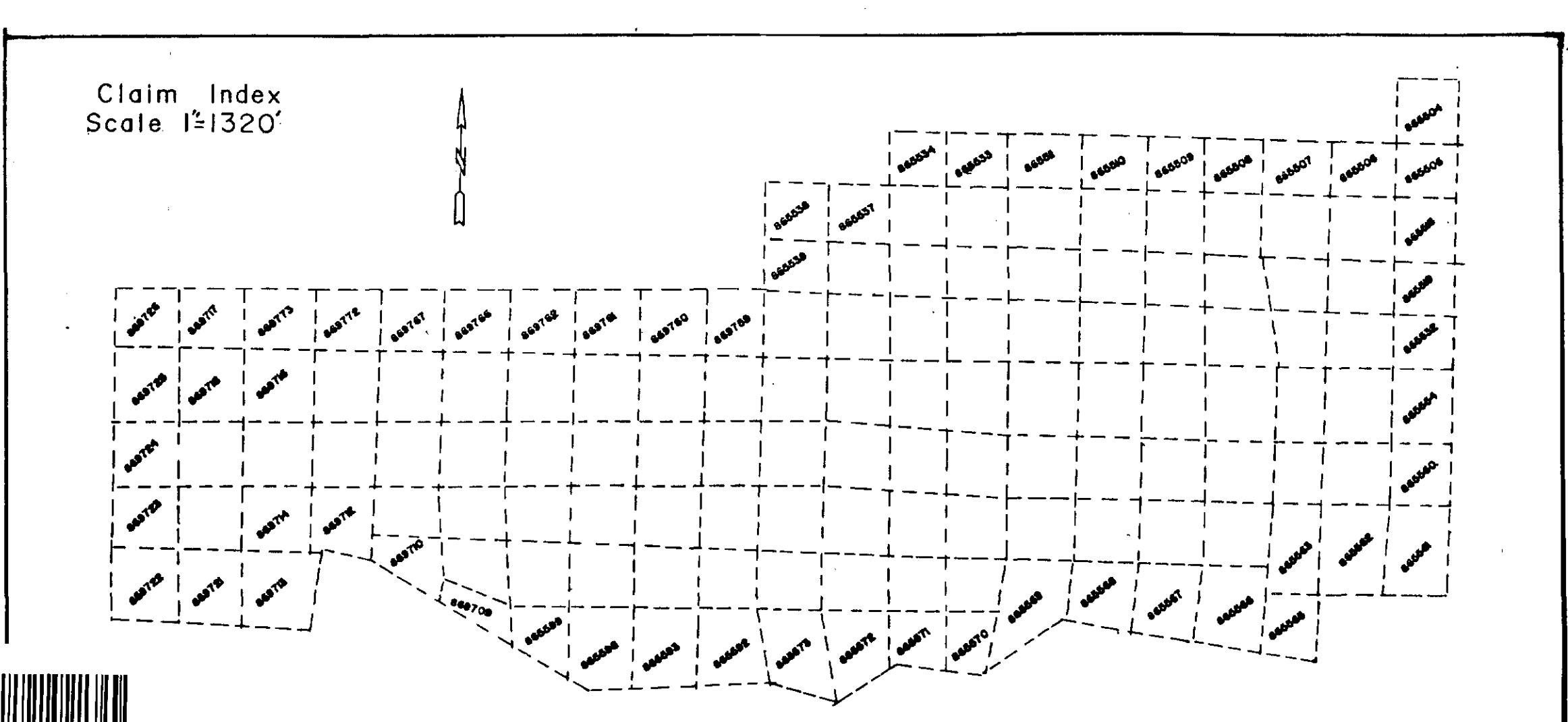
Areas open to staking
June 1, 1987 at
7:00 a.m. Central Standard Time

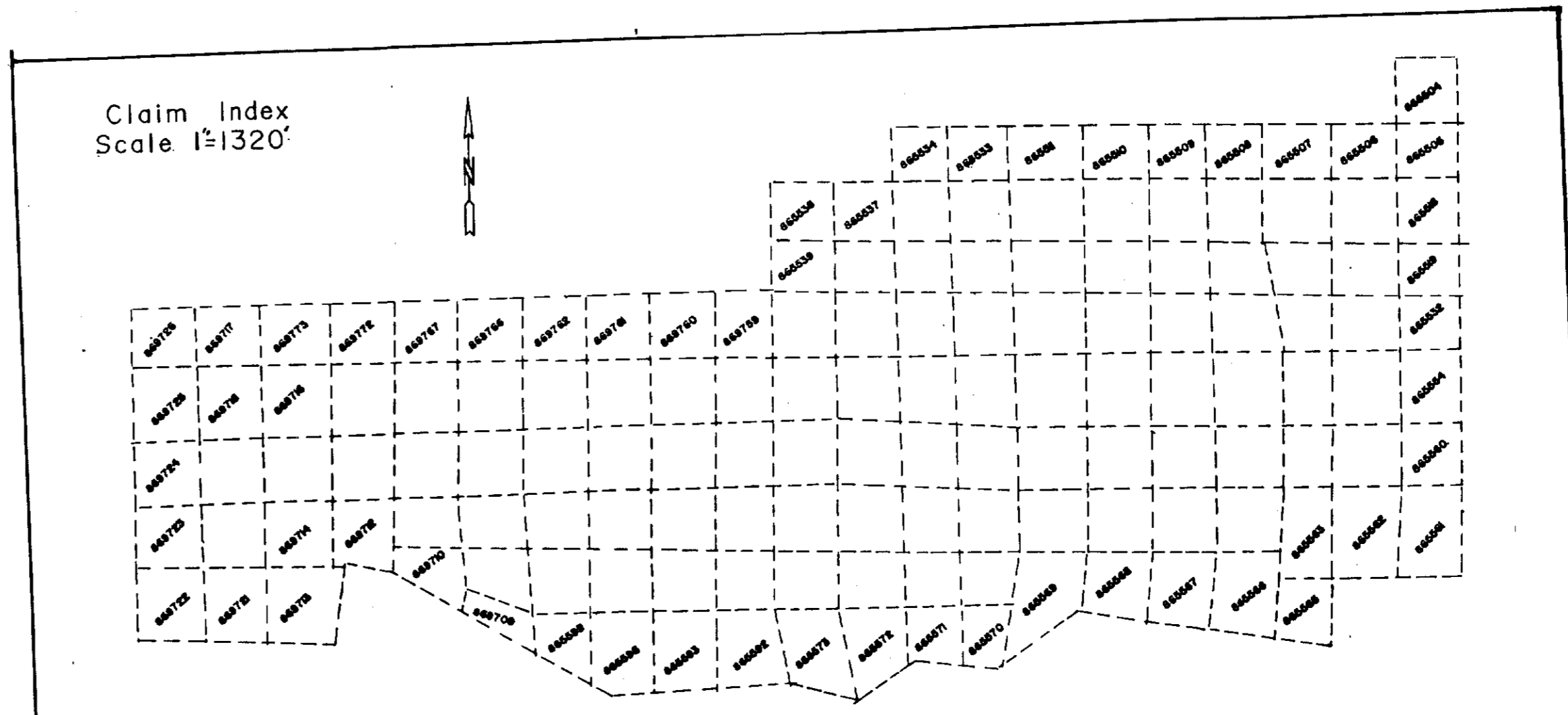
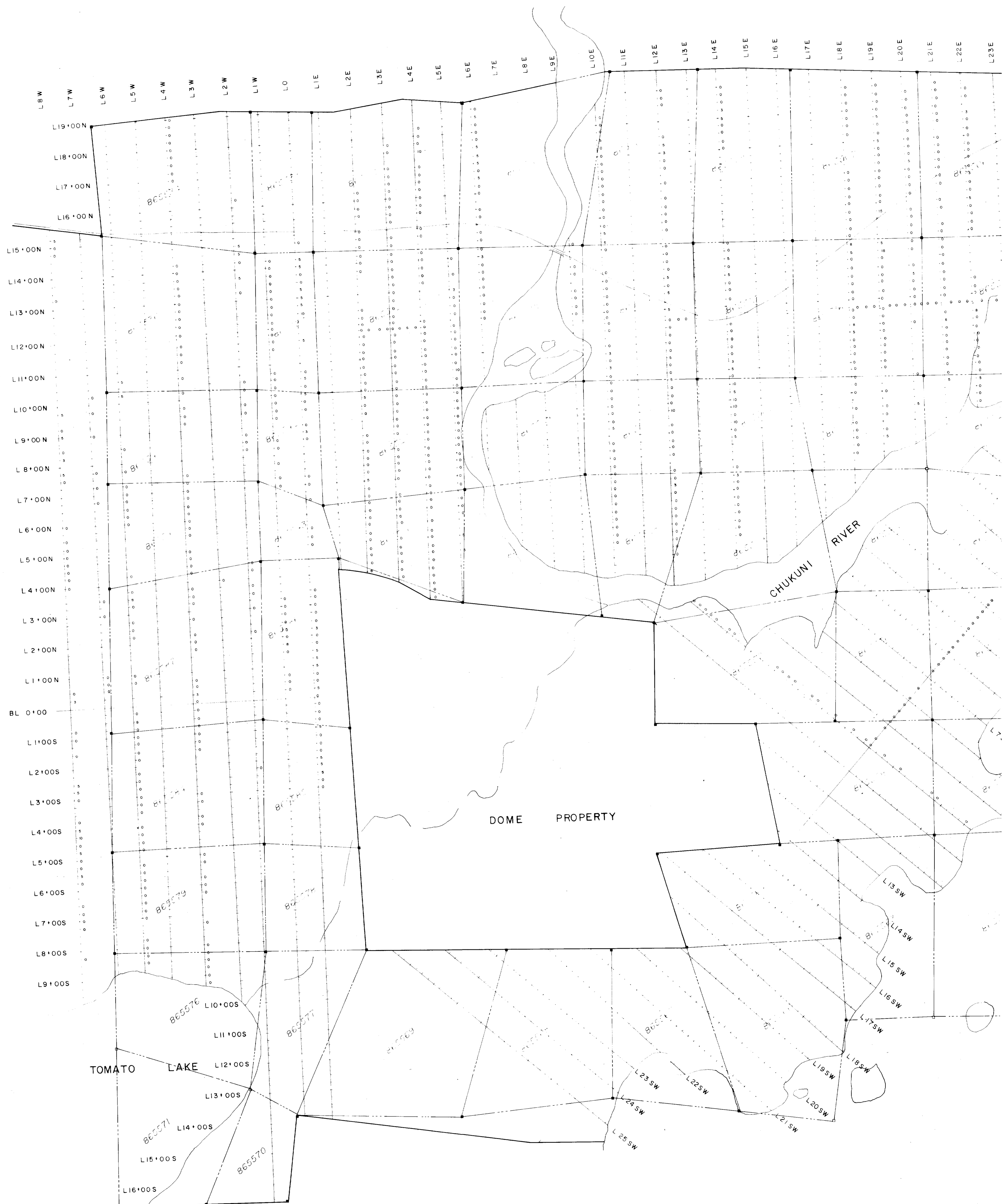
Graves Twp. M.2166

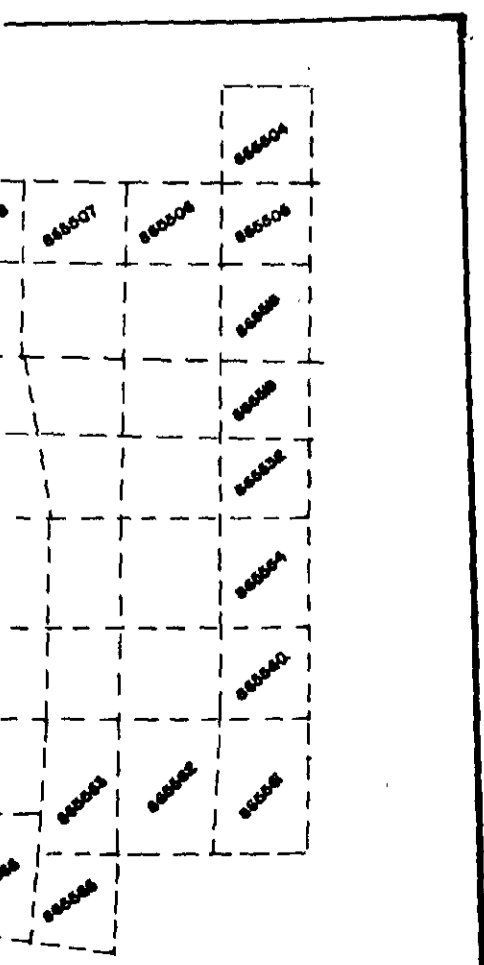
Bateman Twp. M.2139

Dome Twp. M.2158









2.10537

NORAMCO EXPLORATIONS INC.
McDONOUGH PROPERTY
 B' Horizon Soil Sample Location Map
 West Half

1:5000	FEB 87
2447	1647-1747

