



41P14NW0020 2.1274 SOTHMAN

010

GEOLOGICAL SURVEY
ON
CLAIMS NO. 295996-296000 inclusive
296005, 296006, 328044 and 328048
NURSEY AND SOTHMAN TOWNSHIPS
FOR
DOWA MINING COMPANY LIMITED

Toronto, Ontario
August 7, 1973

David F. DesRosiers, B. Sc.
Watts, Griffis and McQuat Limited

LOCATION AND ACCESS

The claims are situated in the northwest corner of Sothman Township and the northeast corner of Nursey Township. An all-weather road passes north-south about two miles east of the property and goes north to Timmins, east to Matachewan and south to Shining Tree. A bush road passes through the property to the Grassy River (Kapiskong Lake), which is approximately the western boundary of the property. Edlestone Lake is in the northeast part of the property.

PROPERTY HOLDER

The claims are held by R. H. Clayton, 1406-60 Pavane Linkway, Don Mills, Ontario M3C 1A2.

CLAIMS SURVEYED

Nine claims were surveyed:

Nursey Township: 295996, 295997, 295998, 295999, 296000,
296006, 328044, 328048

Sothman Township: 296005

SUBMITTING PARTY

The work is submitted by Watts, Griffis and McOuat Limited, Consulting Engineers and Geologists, 911-159 Bay Street, Toronto, Ontario M5J 1J7.

COVERING DATES

The geological mapping was carried out between June 12, 1973 and June 18, 1973.

PREVIOUS WORK

- 63-139 Preliminary Report on the Property of Sirola Gold Mines Limited, Sothman and Nursey Townships, D.E. Sirola, 1947.

This report describes a dip-needle survey and geological mapping. The claims largely coincide with the Nursey claims of the present group. One showing is described as: "-a very strong gossan zone striking N 60°E, and dip appears to be vertical. Random samples from the showing assayed as high as \$4.20 in gold. Sphalerite, chalcopyrite and pyrite are minerals sparingly distributed through the samples assayed".

- 63A-24 Geologic Report on the Property of Sirola Gold Mines Limited, Sothman and Nursey Townships, D.E. Sirola, 1948.

This report describes further work on the property. There is some confusion over two showings, one at approximately 2800S, 6500W on the present grid, the other at 1200 S, 5000 W. It seems probable that the above quotation refers to the latter location.

- 63A-32 Geologic Report of Sothman Township Claims, W.E. Clarke, 1947.

This report described geologic mapping and 12 diamond drill holes on behalf of Buffalo Ankerite. Eleven of the holes are on a showing south of the present claim group.

It is reported in "Geology of Sothman Township", E. M. Abraham, Ontario Department of Mines Annual Report, Volume LXII, Part 6, 1953, that Preston East Dome Mines Limited drilled two holes 800 feet south-west of Edlestone Lake. However, it seems probable that these were actually two of the holes drilled by Buffalo Ankerite.

- 63-1699 Report on Magnetic and Electromagnetic Survey in Sothman Township on behalf of Consolidated Mining and Smelting of Canada Ltd., R.A. Bosschart, H.O. Seigel and Associates, 1965.

This report describes a Turam and magnetometer survey. It states: "Throughout the area geo-electrical distortion is low and of a random nature". A small anomaly is mentioned which is not in the present claim

group. Also, "The electromagnetic survey has shown the area to be geoelectrically undisturbed" -- "The area shows only weak magnetic distortion of less than 600 gamma amplitude".

Dowa Mining Company Limited

Picket lines were cut east-west at 400-foot intervals, tied in with baselines north-south at 1,000-foot intervals. In addition, four lines, 3,000 feet in length, were cut at 200-foot intervals over the largest known anomalies. A total of 12.5 miles was cut and chained.

A vertical loop electromagnetic survey was carried out over the whole of the claim group using the parallel method (moving transmitter). The instrument used was a Scintrex S. E. 250 with a frequency of 1,000 cycles per second. A few lines were surveyed using the Scintrex S. E. 300 unit. This is similar to the S. E. 250, but has frequencies of 400 and 1,600 Hz.

WORK CARRIED OUT

GEOLOGY

General

The claims are underlain by Keewatin volcanics cut by granite, diorite and gabbro intrusives. In the area east of the Edlestone Lake Fault, the volcanics are overlain by Cobalt sediments consisting of interbedded conglomerate and greywacke with lesser amounts of argillite. About 800 feet southwest of the south end of Edlestone Lake, a major shear zone of carbonate rock outcrops near the intersection of the Edlestone Lake Fault and an easterly striking fault.

Cenezoic deposits of sand and swamp cover most of the bedrock on the claims except in the southwest where large ridges of Cobalt sediments occur as bald hills 300-400 feet in length.

Table of Formations

CENOZOIC

Recent: Windblown sand (dunes); organic accumulations;
stream deposits.

Pleistocene: Sand, gravel, and boulders; windblown sand
(dunes).

Great unconformity

PRECAMBRIAN

Keweenaw: Olivine diabase and porphyritic diabase.
Intrusive contact

Huronian: Conglomerate, greywacke, and argillite.
Great unconformity

Algoman: Granite; hybrid granite; diorite; syenite; gabbro.

or

Haileyburian:

Intrusive contact

Basic volcanics: andesite; fragmental lava; talc-
chlorite and carbonate-chlorite schist; chloritized-
actinolitized and chloritized-carbonatized
volcanics; amphibolitized volcanics.

Keewatin: Acidic to intermediate volcanics: fragmental lava;
agglomerate and black slate; sericite schist;
cherty tuff; chloritized-actinolitized and
chloritized-carbonatized volcanics.

Revised from: E. M. Abraham, "Geology of Sothman Township", Ontario
Department of Mines, Vol. LXII, Part 6, 1953.

Keewatin Volcanics

The volcanic rocks which outcrop on the claims consist of rhyolites inter-
bedded with dacites and andesites. These rocks generally contain minor
amounts of disseminated pyrite. In the stripped area, north of line
1,600S about 6,000W, the interbedded dacites and rhyolites contain pyrite
and pyrrhotite with minor amounts of chalcopyrite and sphalerite. Here
the rocks are highly iron stained and cut with diabase dykes from a few

inches to a few feet in width. The outcrop is cut with small quartz veins and shearing is commonly associated with the more highly mineralized areas. There are six trenches across the length of the stripped area and these were sampled at about five-foot intervals. A total of 32 samples were taken and assayed for copper, zinc, nickel and total iron. Four of the samples were assayed for gold. This area is probably that described by D. E. Sirola, 1947 (63-139).

Three small outcrops of grey-green dacite, south (line 2,000S; 6,000W) and east (line 1,600S; 5,800W) of the trenched area, contain only sparse disseminated pyrite. These rocks are also cut by a few small quartz veins.

There are two outcrops of rhyolite in Claim No. 295999 (line 0; 5,800W and line 400S; 5,500W). These contain minor disseminated pyrite and are cut by siliceous bands. The rhyolite outcrop on line 0 is adjacent to an intrusive of diorite.

The only other outcrop of volcanics mapped on the claims occurs in Claim No. 295998, north of line 3,200S about 4,000W. Here a small outcrop of dacite underlies conglomerate. Quartz veins up to six inches wide were seen in rhyolite boulders south of the outcrop but only minor quartz was found in the outcrop. A few specks of pyrite are visible in the rock.

Intrusive Rocks

The only outcrops of intrusive rocks mapped on the claims were in Claim No. 295999 near line 0 between 5,300 and 5,800W and line 400S at 5,450W, and Claim No. 296000 in the stripped area near line 1,600S; 6,000W. These were small outcrops and dykes of granodiorite, hybrid granite, diorite and gabbro. They are generally close to outcrops of volcanic rocks. In the stripped area on line 1,600S, diabase dykes cut the volcanics. They generally contain minor disseminated pyrite which is weathered to limonite. The two to four inch diabase dykes on line 1,600S in the stripped area contain disseminated pyrite, pyrrhotite and chalcocopyrite.

Two small outcrops of pink syenite were mapped on Claim No. 328048. These are under water when the water is high because of Ontario Hydro storage.

Cobalt Sediments

These rocks comprise all of the outcrop east of the Edlestone Lake Fault except for the small outcrop of dacite north of line 3, 200S; 4, 000W, mentioned previously, and the carbonate zone between line 800S and 1, 200S about 3, 200W to be discussed later. These rocks generally occur as cliff faces from one to 30 feet high and as ridges on higher ground. The sediments on the claims consist of interbedded conglomerate and greywacke with lesser amounts of argillite. Often a conglomerate capping occurs on the outcrops with the greywacke underneath of it. In many places these rocks contain fine disseminated pyrite.

Where bedding is visible in the greywacke it is generally flat-lying with dips up to 10-15°, except on line 2, 400S; 5, 800W where it dips at 65°.

The conglomerate contains pebbles and boulders up to a few feet in diameter of intrusives, volcanics, slate and gneiss. The fragments range from well-rounded to very angular and are poorly sorted.

Carbonate Rock

Only one exposure of carbonate rocks was mapped on the claims. This runs from just south of line 1, 200S; 3, 150W, northwest for about 300 feet. It is exposed in trenches, along the road to Kapiskong Lake, in a cliff face and on the surrounding high ground.

The rocks are green carbonate weathered to brown and are cut by quartz and quartz-carbonate veins up to a few inches thick. Only minor pyrite and a few specks of galena were seen associated with these outcrops. A fault or shear was noted along the cliff face striking 155° dipping 59° to the northeast. A quartz-carbonate vein runs along the hanging wall (and the face of the cliff) for about 30 feet. An old diamond drill hole is located about 25 feet north of this outcrop in a swamp and was drilled south (towards the outcrop) at about -45°. E. M. Abraham, Ontario Department of Mines, Volume LXII, Part 6, 1953, states: "two drill holes were put down and, except for two small sections that ran 0.02 ounces of gold per ton, the sample ran nil".

- Samples were collected from the old trenches, various small outcrops and every 15 to 20 feet along the entire length of the cliff face.

GEOPHYSICS

Only a small vertical loop electromagnetic survey was carried out using a McPhar REM with dual frequencies of 1,000 and 5,000 cycles per second. This was done over the stripped area north of line 1,600S around 6,000W. Two pace and compass lines were run over the stripped area in a NW-SE direction at a 300-foot spacing using the parallel method (moving transmitter). A small anomaly was picked up in the area of the mineralized outcrop.

RESULTS AND CONCLUSIONS

The outcrops in the area consist of Cobalt sediments east of the Edlestone Lake Fault and volcanics and intrusives west of the fault.

The volcanic rocks in the stripped area contain small amounts of chalcopyrite and sphalerite and some pyrrhotite. Some of the pyrrhotite gives a positive test for nickel using dimethyl glyoxine. These minerals appear to increase near small intrusive dykes and may have originated from them. There are a few electromagnetic conductors picked up on the ground underlain by the volcanic rocks by a previous electromagnetic survey. These may be due to massive sulphides. Assays of 32 rock samples from the old trenches in stripped area gave only low values in copper, zinc and nickel and from 3.65 to 32.61 per cent total iron. One of the four samples assayed for gold ran 0.22 oz/ton and the other three ran less than 0.005 oz/ton. The total assay results are included in Appendix "A" and shown on the "Geological map of Trenched Area Claim 296000, 1"=20'" (in pocket).

The trenched area in claim 296000 does not contain economic values of base metals but has one interesting gold value.

RECOMMENDATIONS

Because of the relatively high gold value from sample 53 (0.22 oz/ton) it is recommended that the remaining 28 samples from the trenches of claim 296000 be assayed for gold. If these samples indicate an area of good gold potential representative chip sampling across the higher grade area is recommended to be followed by drilling if warranted.

Respectfully submitted,

WATTS, GRIFFIS AND McOUAT LIMITED

David F. DesRosiers

David F. DesRosiers, B. Sc.

Toronto, Ontario
August 7, 1973.

- CHEMICAL RESEARCH AND ANALYSIS
- CONTRACT LABORATORIES

TECHNICAL SERVICE LABORATORIES

DIVISION OF BURGNER TECHNICAL ENTERPRISES LIMITED

355 KING ST. W., TORONTO 2B, ONT., CANADA

TELEPHONE: 362-4248 - AREA 416

CABLE ADDRESS - TECSERV TORONTO

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM

Watts Griffiths and McQuat Limited
 911 - 159 Bay Street
 Toronto Ontario
 Attn: Mr. D.F. Desrosiers

REPORT NO.

T-3878

SAMPLE(S) OF

ROCK

<u>Sample Number</u>	<u>Gold (Au)oz/Ton</u>
51	< 0.005
53	0.22
59	< 0.005
68	< 0.005

< less than

Samples, Pulps and Rejects discarded after two months

DATE July 9/73

SIGNED *M. Redwin*



- CHEMICAL RESEARCH AND ANALYSIS
- CONTRACT LABORATORIES

TECHNICAL SERVICE LABORATORIES

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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM

Watts Griffiths and McOuat Limited
 911 - 159 Bay Street
 Toronto, Ontario
 Attn: Mr. D.F. Desrosiers

REPORT NO.

T-3878

SAMPLE(S) OF

ROCK

<u>Sample Number</u>	<u>Copper (Cu)%</u>	<u>Zinc (Zn)%</u>	<u>Nickel (Ni)%</u>	<u>Total Iron (Fe)%</u>
47	0.024	NIL	0.16	6.91
48	0.043	0.10	0.19	9.03
49	0.033	0.10	0.13	7.10
50	0.13	0.27	0.11	7.82
51	0.022	NIL	0.033	7.95
52	0.035	0.15	0.058	32.61
53	0.017	0.12	0.15	5.07
54	0.027	0.10	0.16	28.84
55	0.012	NIL	0.16	8.96
56	0.012	NIL	0.12	9.48
57	0.017	0.13	0.13	10.93
58	0.023	NIL	0.096	16.27
59	0.012	NIL	0.090	5.75
60	0.017	NIL	0.11	10.53
61	0.020	NIL	0.12	17.68
62	0.012	NIL	0.14	8.11
63	0.038	NIL	0.11	9.62

Samples, Pulps and Rejects discarded after two months

DATE July 9/73

SIGNED *A. Rudin*



- CHEMICAL RESEARCH AND ANALYSIS
- CONTRACT LABORATORIES

TECHNICAL SERVICE LABORATORIES

DIVISION OF BURGNER TECHNICAL ENTERPRISES LIMITED

355 KING ST. W., TORONTO 2B, ONT., CANADA

TELEPHONE: 362-4248 - AREA 416

CABLE ADDRESS - TECSERV TORONTO

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM

Watts Griddiths and McQuat Limited
 911 - 159 Bay Street
 Toronto, Ontario
 Attn: Mr. D.F. Desrosiers

REPORT NO.

T-3878

SAMPLE(S) OF

ROCK

Sample Number	Copper (Cu)%	Zinc (Zn)%	Nickel (Ni)%	Total Iron (Fe)%
64	0.044	NIL	0.076	10.74
65	0.012	NIL	0.18	7.57
66	0.020	0.23	0.12	17.22
67	0.028	NIL	0.082	29.94
68	< 0.01	NIL	0.040	3.65
69	< 0.01	NIL	0.12	8.31
70	0.014	NIL	0.11	9.37
71	0.023	NIL	0.10	12.74
72	0.032	NIL	0.11	11.48
73	0.017	TRACE	0.11	10.96
74	0.016	TRACE	0.19	9.09
75	0.035	TRACE	0.12	13.22
76	0.015	NIL	0.13	9.23
96	0.029	NIL	NIL	7.86
97	0.015	NIL	0.14	6.15

< less than

Samples, Pulps and Rejects discarded after two months

DATE July 9/73

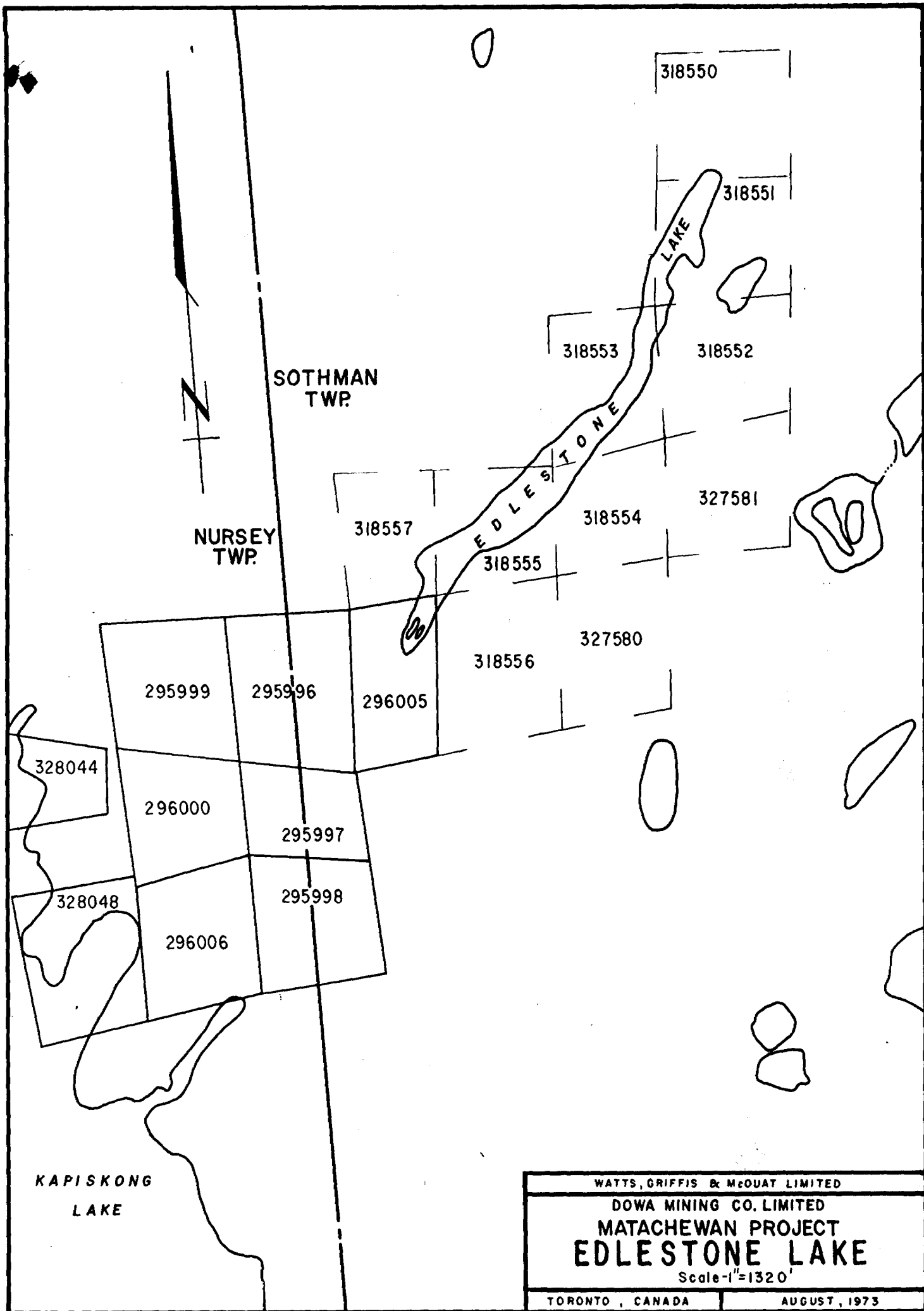
SIGNED

A. Redman



Total of 32 Samples

TORONTO, MONCTON, and SPOKANE, WASH.



SOTHMAN
TWP.

NURSEY
TWP.

KAPISKONG
LAKE

EDLESTONE
LAKE

WATTS, GRIFFIS & McQUAT LIMITED	
DOWA MINING CO. LIMITED	
MATACHEWAN PROJECT	
EDLESTONE LAKE	
Scale 1"=1320'	
TORONTO, CANADA	AUGUST, 1973

PERFORMANCE & COV



41P14NW0020 2.1274 SOTHMAN

900

ASSESSMENT WORK DETAILS

Township or Area SOTHMAN AND NURSEY

List numerically

Type of Survey GEOLOGICAL
A separate form is required for each type of survey

295996

Chief Line Cutter or Contractor _____
Name _____
Address _____

295997

Party Chief D.F. DESROSIERS
Name _____
Address _____

295998

205 SEATON ST. TORONTO, ONT. M5A2T5
Address

295999

Consultant WATTS, GRIFFIS & McQUAT LTD.
Name _____
Address _____

296000

911-159 BAY ST. TORONTO, ONT. M5J 1S7
Address

296006

296005

COVERING DATES

Line Cutting _____

328044

Field JUNE 11, 1973 - JUNE 18, 1973
Instrument work, geological mapping, sampling etc.

328048

Office JUNE 21-22, 1973 ; JUNE 25-27, 1973

RECEIVED

AUG 16 1973

INSTRUMENT DATA

Make, Model and Type _____

PROJECTS SECTION

Scale Constant or Sensitivity _____
Or provide copy of instrument data from Manufacturer's brochure.

Radiometric Background Count _____

Number of Stations Within Claim Group _____

Number of Readings Within Claim Group _____

Number of Miles of Line cut Within Claim Group 9.4

Number of Samples Collected Within Claim Group 98

TOTAL 9 Claims.

CREDITS REQUESTED

20 DAYS per claim

40 DAYS per claim

Includes (Line cutting)

Geological Survey

Geophysical Survey

Geochemical Survey

Show Check

DATE August 13, 1973

SIGNED David F. Desrosiers

Send in duplicate to:

FRED W. MATTHEWS
SUPERVISOR-PROJECTS SECTION
DEPARTMENT OF MINES &
NORTHERN AFFAIRS
WHITNEY BLOCK
QUEEN'S PARK
TORONTO, ONTARIO

Qualifications - on this file
Performance and coverage credits do not apply to airborne surveys

If space insufficient, attach list

SUBMISSION OF GEOLOGICAL, GEOPHYSICAL AND GEOCHEMICAL SURVEYS
AS ASSESSMENT WORK

In order to simplify the filing of geological, geochemical and ground geophysical surveys for assessment work, the Minister has approved the following procedure under Section 84 (8a) of the Ontario Mining Act. This special provision does not apply to airborne geophysical surveys.

If, in the opinion of the Minister, a ground geophysical survey meets the requirements prescribed for such a survey, including:

- (a) substantial and systematic coverage of each claim
- (b) line spacing not exceeding 400 foot intervals
- (c) stations not exceeding 100 foot intervals or
- (d) the average number of readings per claim not less than 40 readings

it will qualify for a credit of 40 assessment work days for each claim so covered. It will not be necessary for the applicant to furnish any data or breakdown concerning the persons employed in the survey except for the names and addresses of those in charge of the various phases (linecutting contractor, etc.). It will be assumed that the required number of man days were spent in producing the survey to qualify for the specified credit.

Each additional ground geophysical survey using the same grid system and otherwise meeting these requirements will qualify for an assessment work credit of 20 days.

A geological survey using the same grid system, and meeting the requirements for submission of geological surveys for maximum credits will qualify for an assessment work credit of 20 days. If line cutting has not previously been reported with any other survey and is reported in conjunction with the geological survey a credit of 40 days per claim will be allowed for the survey.

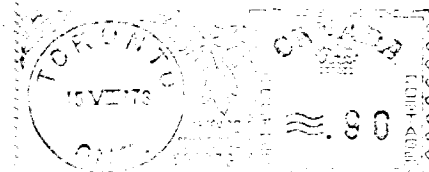
Similarly, a geochemical survey using the same grid system with the average number of collected samples per claim being not less than 40 samples, and meeting the requirements for the submission of geochemical surveys for maximum credits, will qualify for an assessment work credit of 20 days. If line cutting has not previously been reported with any other survey and is reported in conjunction with the geochemical survey a credit of 40 days per claim will be allowed for the survey.

Credits for partial coverage or for surveys not meeting requirements for full credit will be granted on a pro-rata basis.

If the credits are reduced for any reason, a fifteen day Notice of Intent will be issued. During this period, the applicant may apply to the Mining Commissioner for relief if his claims are jeopardized for lack of work or, if he wishes, may file with the Department, normal assessment work breakdowns listing the names of the employees and the dates of work. The survey would then be re-assessed to determine if higher credits may be allowed under the provisions of subsections 8 and 9 of section 84 of the Mining Act.

If new breakdowns are not submitted, the Performance and Coverage credits are confirmed to the Mining Recorder at the end of the fifteen days.

159 Bay Street
Toronto, Ontario M5J 1J7

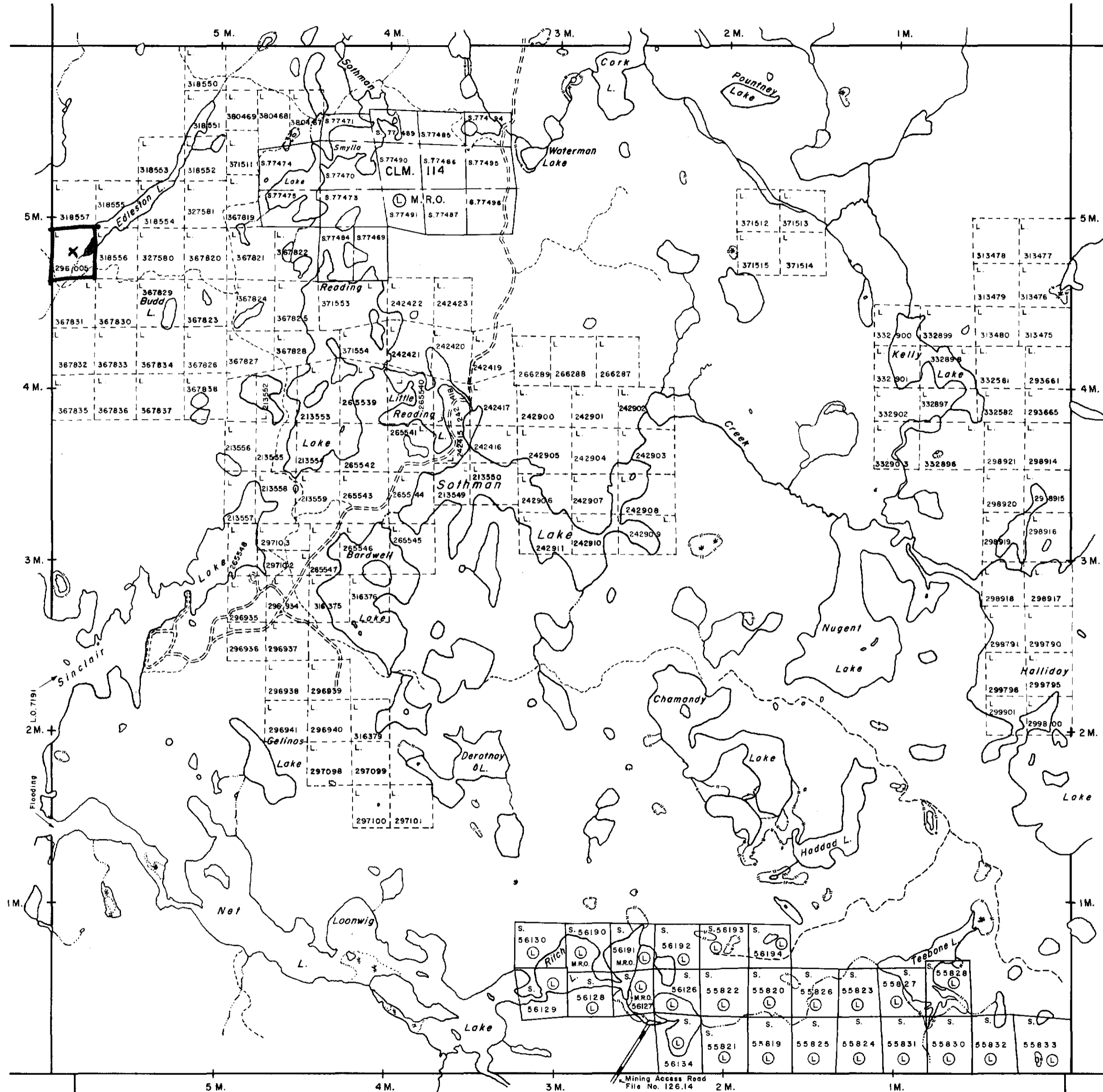


Mr. Fred W. Matthews,
Supervisor, Project Section,
Ministry of Natural Resources,
Whitney Block,
Parliament Buildings,
Toronto, Ontario

ISII.M

ISII.M

Semple Twp.- M.1100



THE TOWNSHIP
OF
SOTHMAN
DISTRICT OF
SUDBURY
LARDER LAKE
MINING DIVISION
SCALE: 1-INCH=40 CHAINS

LEGEND

PATENTED LAND	Ⓢ
CROWN LAND SALE	Ⓞ
LEASES	Ⓚ
LOCATED LAND	Ⓛ
LICENSE OF OCCUPATION	Ⓛ.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.

Flooding Rights—L.O. 7191 File No. 1162 vol. 4.

MINING LANDS -
DATE OF ISSUE
AUG 17 1973
MINISTRY
OF NATURAL RESOURCES

PLAN NO. **M-1121**
ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

2011W11M1031

2011W11M910

11511

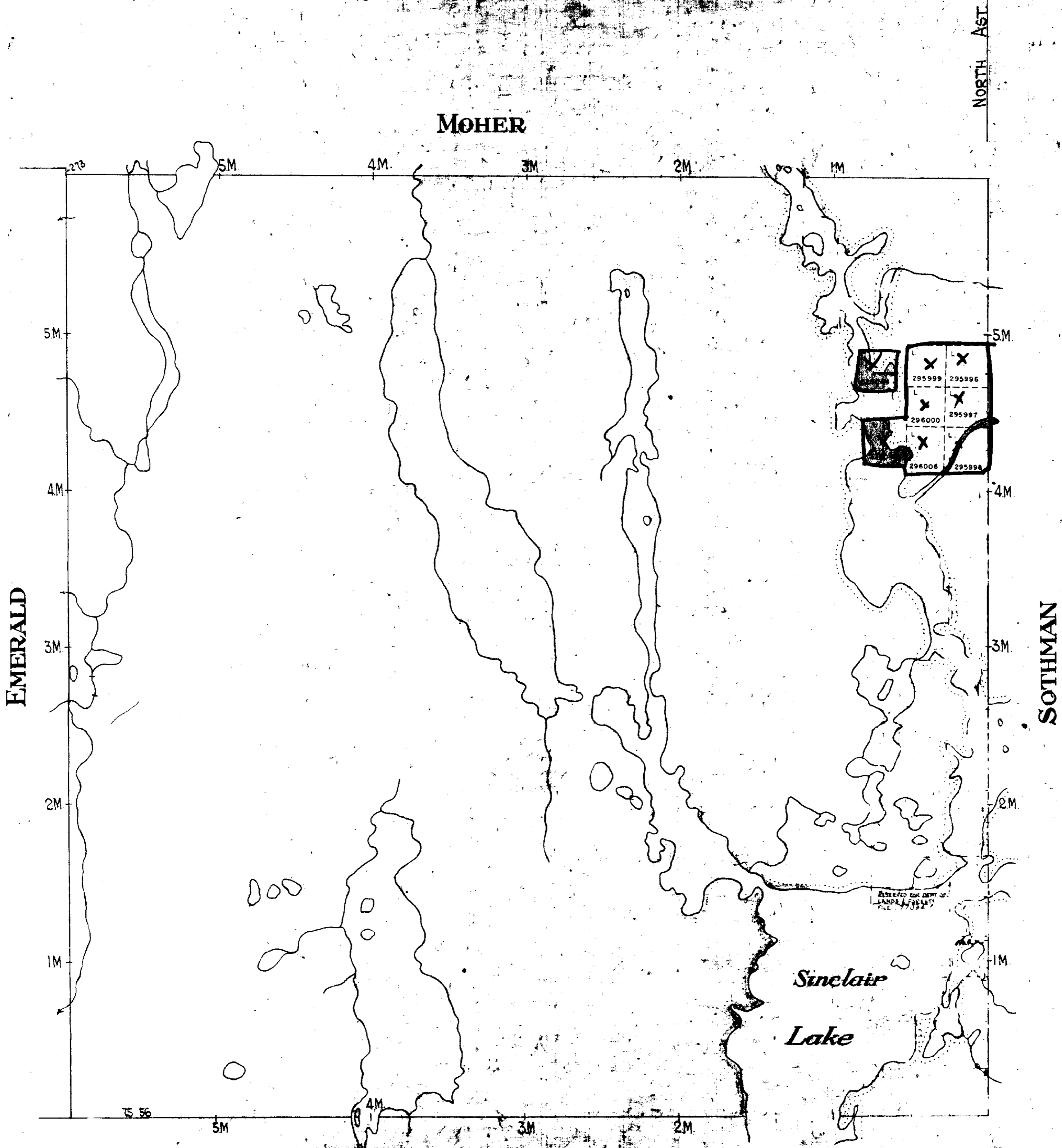
11511

Kemp Twp.- M.966

2.1274



DISTRICT OF
LARDER LAKE MINING DIVISION
SCALE 40 CHAINS PER INCH



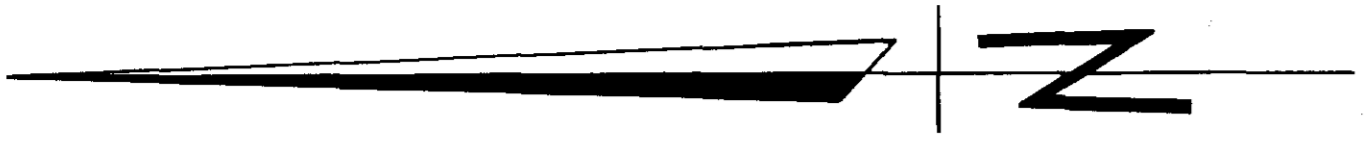
BORROW

400 yards rights reservation around all lakes & rivers.

FLOODING RIGHTS - LICENCE OF OCCUPATION No. 2101, FILE

2.1274



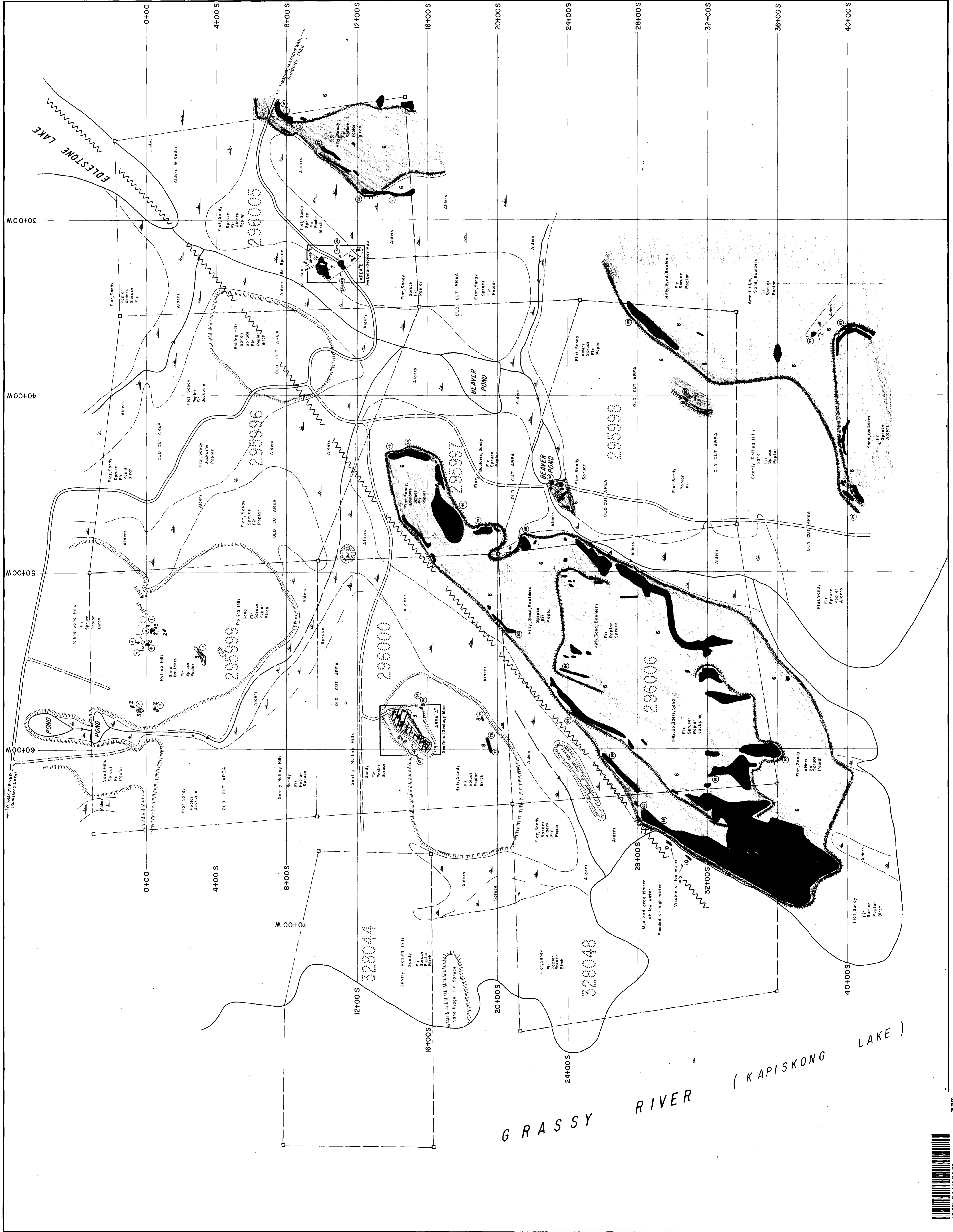


LEGEND

- Granodiorite
- Diorite
- Gabbro
- Hybrid Granite
- Rhyolite
- Conglomerate, agillite & greywacke
- Carbonate Rock
- Dacite
- Andesite
- Syenite

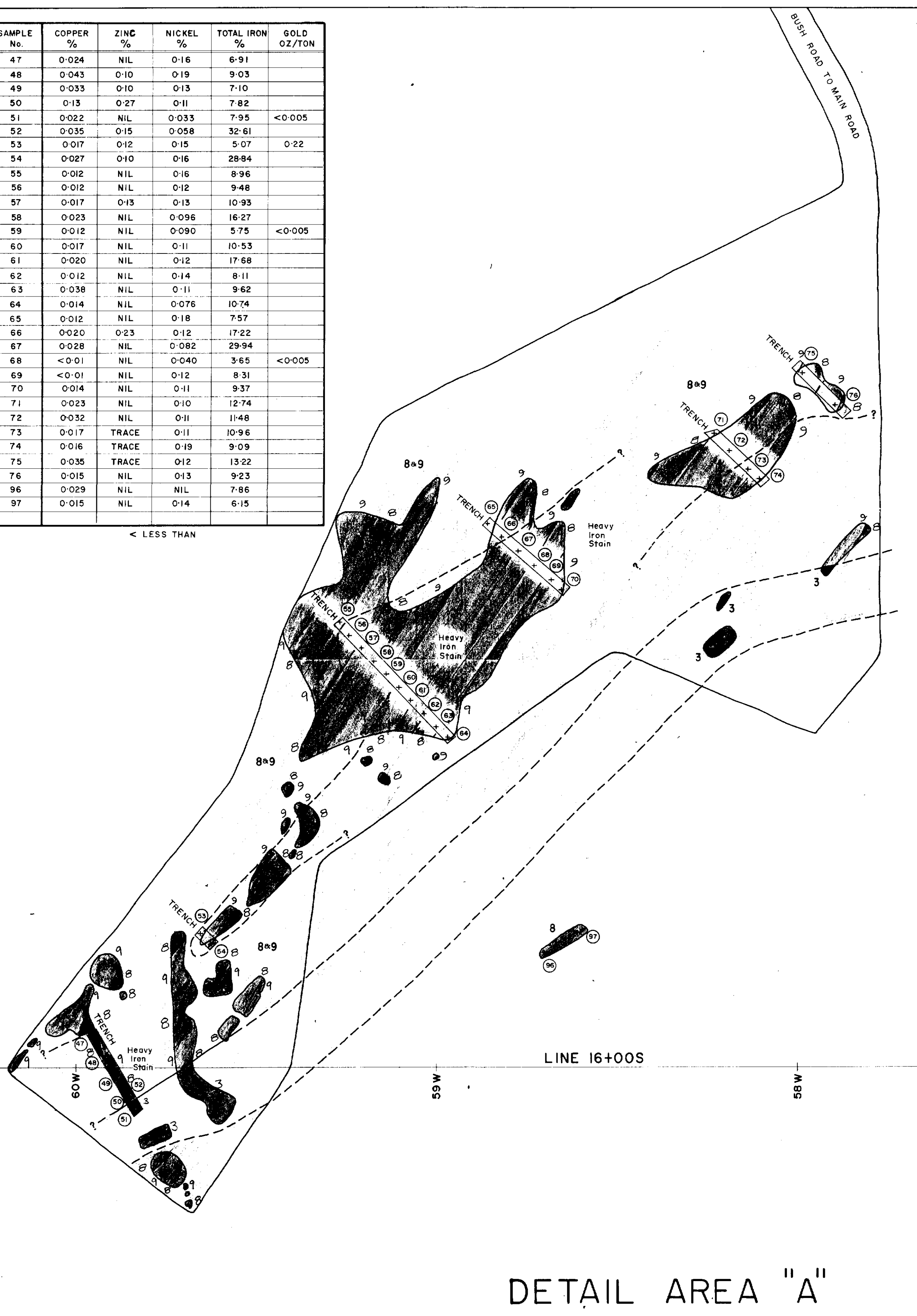
- Small outcrop
- Trench
- Higher ground
- Swamp with boundary
- Creek showing direction of flow
- Bush road
- Driveable bush road
- Strike and dip
- Unsurveyed claim post
- Diamond drill hole
- Boundary of rock outcrop
- Fault, assumed
- Sample and number

WATTS, CRIFFIS & WEAVER LIMITED
DOWA MINING CO. LIMITED
MATACHEWAN PROJECT
EDLESTONE LAKE
GEOLOGY
ONTARIO, CANADA
SCALE: 1 INCH=200 FEET DATE: JULY, 1973 DWG. NO. 1
DRAWN BY: D. DESROSIERS APPROVED: A. G. ...



SAMPLE No.	COPPER %	ZINC %	NICKEL %	TOTAL IRON %	GOLD OZ/TON
47	0.024	NIL	0.16	6.91	
48	0.043	0.10	0.19	9.03	
49	0.033	0.10	0.13	7.10	
50	0.13	0.27	0.11	7.82	
51	0.022	NIL	0.033	7.95	<0.005
52	0.035	0.15	0.058	32.61	
53	0.017	0.12	0.15	5.07	0.22
54	0.027	0.10	0.16	28.84	
55	0.012	NIL	0.16	8.96	
56	0.012	NIL	0.12	9.48	
57	0.017	0.13	0.13	10.93	
58	0.023	NIL	0.096	16.27	
59	0.012	NIL	0.090	5.75	<0.005
60	0.017	NIL	0.11	10.53	
61	0.020	NIL	0.12	17.68	
62	0.012	NIL	0.14	8.11	
63	0.038	NIL	0.11	9.62	
64	0.014	NIL	0.076	10.74	
65	0.012	NIL	0.18	7.57	
66	0.020	0.23	0.12	17.22	
67	0.028	NIL	0.082	29.94	
68	<0.01	NIL	0.040	3.65	<0.005
69	<0.01	NIL	0.12	8.31	
70	0.014	NIL	0.11	9.37	
71	0.023	NIL	0.10	12.74	
72	0.032	NIL	0.11	11.48	
73	0.017	TRACE	0.11	10.96	
74	0.016	TRACE	0.19	9.09	
75	0.035	TRACE	0.12	13.22	
76	0.015	NIL	0.13	9.23	
96	0.029	NIL	NIL	7.86	
97	0.015	NIL	0.14	6.15	

< LESS THAN



DETAIL AREA "A"



DETAIL AREA "B"

LEGEND

- 3 Gabbro
- 7 Carbonate Rock
- 8 Dacite
- 9 Andesite
- Boundary of rock outcrop
- Swamp with boundary
- Fault and dip
- Sample location
- Sample number
- Assumed geological contact
- Heavy iron stain outline

WATTS, GRIFFIS & McQUAT LIMITED
DOWA MINING CO. LIMITED

MATACHEWAN PROJECT
EDLESTONE LAKE
DETAIL GEOLOGY
ONTARIO, CANADA

SCALE: 1 INCH=20 FEET DATE: JULY, 1973 DWG. No. 2
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