



PROJECTS UNIT



010

KERR ADDISON MINES LIMITED

REPORT ON SCINTILLOMETER SURVEY

CLAIMS E0 402852, 402854 402855, 402858, 402859, 402860, 414205

LAURENCIN OPTION

CARDIFF TOWNSHIP

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D. M. Hendrick, P. Eng., Chief Geologist, Exploration. December 17, 1976.

INTRODUCTION

Eleven (11) claims of 50 acres each were purchased by Kerr Addison Mines Limited from Henri Laurencin on February 18, 1975, comprising Lots 10, 11 and 12 in Concessions V and V1, Cardiff Township.

As the claims are contiguous to the south boundary of the former Dyno Uranium Mine (operated in the late fifties), extensions of the Dyno uraniferous pegmatite zones onto the Laurencin property were considered a good possibility.

Detail surveys were carried out over four areas within the claim group. The remainder of the property was geologized and a scintillometer survey conducted.

The scintillometer survey covered 6.5 line miles and one anomalous zone was outlined.

Page 2

Location and Access, Etc.

The property is situated in the west central part of Cardiff Township. Highway #648 (Dyno road) runs through the property, connecting with Highways #28 (Peterborough to Bancroft) and #121 (Gooderham to Bancroft). From Bancroft, the property is 15 miles to the southwest of the town.

The topography consists of rolling hills with local ponds and bogs with average elevation relief of about 100 feet. Away from the ponds and bogs, overburden is generally light and outcrop exposure is abundant.

Property

Claim No.

The property comprises the following eleven lots in Cardiff Township:

N 1	Lot	10	Concession	VI	ΕO	414205	
S_2^1	Lot	10	Concession	VI	ΕO	402859	
N_2^1	Lot	11	Concession	VI	EO	402861	,
S_2^1	Lot	11	Concession	VI	EO	402858	
$N\frac{1}{2}$	Lot	1,2	Concession	VI	EO	402860	
$S\frac{1}{2}$	Lot	12	Concession	VI	EO	402857	
N_{2}^{1}	Lot	10	Concession	v	EO	402856	
S^1_2	Lot	10	Concession	V	EO	402853	
N_2^1	Lot	11	Concession	V	ЕО	402855	
S12	Lot	11	Concession	V	EO	402852	
Nà	Lot	12	Concession	V	ΕO	402854	
	S ¹ 2 N ¹ 2 S ¹ 2 N ¹ 2 S ¹ 2 N ¹ 2 N ¹ 2 S ¹ 2 N ¹ 2 S ¹ 2 S ¹ 2 S ¹ 2	S_2^1 Lot N_2^1 Lot S_2^1 Lot S_2^1 Lot N_2^1 Lot S_2^1 Lot S_2^1 Lot S_2^1 Lot S_2^1 Lot S_2^1 Lot	S_{2}^{1} Lot 10 N_{2}^{1} Lot 11 S_{2}^{1} Lot 11 N_{2}^{1} Lot 12 S_{2}^{1} Lot 12 N_{2}^{1} Lot 10 S_{2}^{1} Lot 10 N_{2}^{1} Lot 11 S_{2}^{1} Lot 11 S_{2}^{1} Lot 11	S_2^1 Lot 10Concession N_2^1 Lot 11Concession S_2^1 Lot 11Concession N_2^1 Lot 12Concession S_2^1 Lot 12Concession N_2^1 Lot 10Concession S_2^1 Lot 10Concession N_2^1 Lot 11Concession S_2^1 Lot 11Concession S_2^1 Lot 11Concession	S_2^1 Lot 10Concession VI N_2^1 Lot 11Concession VI S_2^1 Lot 11Concession VI N_2^1 Lot 12Concession VI S_2^1 Lot 12Concession VI N_2^1 Lot 10Concession V N_2^1 Lot 10Concession V N_2^1 Lot 11Concession V S_2^1 Lot 11Concession V S_2^1 Lot 11Concession V	S_2^1 Lot 10Concession VIEO N_2^1 Lot 11Concession VIEO S_2^1 Lot 11Concession VIEO N_2^1 Lot 1,2Concession VIEO S_2^1 Lot 1,2Concession VIEO N_2^1 Lot 1,2Concession VIEO N_2^1 Lot 1,0Concession VEO S_2^1 Lot 1,0Concession VEO N_2^1 Lot 1,1Concession VEO N_2^1 Lot 1,1Concession VEO S_2^1 Lot 1,1Concession VEO	S_2^1 Lot 10Concession VIEO 402859 N_2^1 Lot 11Concession VIEO 402861 S_2^1 Lot 11Concession VIEO 402858 N_2^1 Lot 12Concession VIEO 402860 S_2^1 Lot 12Concession VIEO 402857 N_2^1 Lot 10Concession VIEO 402856 S_2^1 Lot 10Concession VEO 402856 S_2^1 Lot 10Concession VEO 402853 N_4^1 Lot 11Concession VEO 402855 S_2^1 Lot 11Concession VEO 402855

Page 3

Previous Work

Though not examined, files at the Resident Geologist's Office, Queen's Park, indicate geological mapping and diamond drilling in the south part of the property by Fab Metal Mines Ltd. in 1954.

Geology and Mineralization

Precambrian Grenville metasediments consisting of limestones and paragneisses are intruded by granite-syenite plutonic stocks.

On the Dyno property, uraniferous pegmatitic-granite dykes striking slightly east of north, and dipping about 55 degrees east, intrude almost conformably a biotite-hornblende feldspar paragneiss. The main zone at the Dyno consisted of a pegmatite horizon 1,200 feet long and 175 feet wide with local ore shoots within that averaged 65 feet long and 6.5 feet wide.

It should be noted that Dyno produced, during the period May, 1958 to April, 1960, 660,850 tons grading 1.25 lbs. U_3O_8 per ton.

At the south end of the Dyno property, the "E" and "C" uraniferous zones underlying Farrel Lake appear to extend onto the Kerr-Laurencin claim block.

PROGRAMME

Survey lines were cut, chained and flagged in an east-west direction at 400 foot line intervals. Total count gamma ray scintillometer readings were taken at 100 foot stations.

Background counts are in the order of 20 counts per second and readings greater than 50 are considered anomalous.

As overburden restricts passage of gamma rays from a bedrock source to surface, outcrop areas are noted on the survey plan.

Survey Technique

An Exploranium Model G.R.S.-101 Total Count Scintillometer was used as the survey instrument.

The instrument contains a 1.25" X 1.0" sodium iodide crystal that converts gamma rays into faint flashes of light whose brilliance is proportional to the energy level of the gamma rays measured. The light flashes are detected by a photomultiplier tube, and averaged by a ratemeter circuit in counts per second.

The frequency or signal count reflects the intensity of all gamma ray energy above an energy level of 0.05 MeV (millions electron volts) and as such indicates the isotope group consisting of Uranium 238, Thorium 232, and Potassium 40.

In practice, the instrument is highly sensitive and experience has indicated the following *correlation between counts and approximate grade of U308 equivalent:

Count Range (cps)	Equivalent U308 lbs./ton
50 - 100	0.1 to 0.3
100 - 200	0.5 to 0.7
200 - 300	0.7 to 1.5
300 - 500	1.5 to 3.0

* - subject to isotopic equilibrium factors, mass effects, distance to source, source being U308 and not Th or K etc.

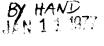
RESULTS AND CONCLUSIONS

An anomalous zone was outlined along the east boundary of claim E0 402858. Another smaller one on the north-west corner of claim E0 402860. Follow-up detail scintillometer and geological mapping along with possible sampling is recommended.

D. M. Hendrick, P. Eng.,

Chief Geologist, Exploration. December 17, 1976.





RECEIVED

PROJECTS UNIT.



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KERR ADDISON MINES LIMITED REPORT ON GEOLOGICAL SURVEY LAURENCIN PROPERTY CARDIFF TOWNSHIP, ONTARIO

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D. M. Hendrick, P. Eng., Chief Geologist, Exploration. December 14, 1976.

INTRODUCTION

Eleven (11) claims of 50 acres each were purchased by Kerr Addison Mines Limited from Henri Laurencin on February 18, 1976, comprising, Lots 10, 11 and 12 in Concession V and V1, Cardiff Township.

A general geological survey and detail geological surveys over four areas of interest were carried out on the claims.

The surveys were conducted during August, 1976.

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Location and Access, Etc.

The property is situated in the west central part of Cardiff Township. Highway #648 (Dyno road) runs through the property, connecting with Highways #28 (Peterborough to Bancroft) and #121 (Gooderham to Bancroft). From Bancroft, the property is 15 miles to the southwest of the town.

The topography consists of rolling hills with local ponds and bogs with average elevation relief of about 100 feet. Away from the ponds and bogs, overburden is generally light and outcrop exposure is abundant.

Property

The property comprises the following eleven lots in Cardiff Township:

			<u>Claim No.</u>
$N_{\mathcal{D}}^{1}$	Lot 10	Concession VI	EO 414205
S^{1}_{2}	Lot 10	Concession VI	EO 402859
N_{2}^{1}	Lot 11	Concession VI	EO 402861 ·
$S^{\frac{1}{2}}$	Lot 11	Concession VI	EO 402858
$N\frac{t}{2}$	Lot 12	Concession VI	EO 402860
S_2^1	Lot 12	Concession VI	EO 402857
N_{2}^{1}	Lot 10	Concession V	EO 402856
S_2^{\perp}	Lot 10	Concession V	EO 402853
N_{12}^{-1}	Lot 11	Concession V	EO 402855
S <u>1</u>	Lot 11	Concession V	EO 402852
N_{2}^{1}	Lot 12	Concession V	EO 402854

GENERAL GEOLOGY

The general geology of the area is shown on map 52A "Haliburton Area" published by the Ontario Department of Mines to accompany J. Satterby's report on the area in 1943.

All the rocks are Precambrian in age and consist of an assemblage of paragneissic rocks which have been invaded by dykes and masses of granite and pegmatite.

A short description of the main rock types, as encountered in the field, is given below:

Precambrian Rocks:

- (5) Syenite gneiss
- (3) Granite gneiss and pegmatite
- (2) Crystalline limestone
- (1) Paragneiss

(1) Paragneiss: They are usually weathered to a grey color, often found to be banded and contoured. Bands of grey feldspar and black hornblende are the main constituant of this type of rock.

(2) Crystalline limestone: They are conformable to the paragneiss and are made up of white crystals of dolomite with biotite flakes oriented parallel to the banding of the gneisses, in which they are found.
(3) Granite gneiss and pegmatite: These are pinkish in colour.
Their texture varies from granitic to pegmatitic with no noticeable change in composition. The main constituants are pink feldspar, quartz and biotite crystals.

(5) Syenite gneiss: They are of a uniform texture, medium to fine grain. They are made up of reddish orthoclase feldspar for the most part with complimentary hornblende and quartz.

Structures:

No major faults were noted. The area is noticeable for its alternating hills and troughs, made of raised or collapsed blocks of gneisses, aligned to form ridges or valleys. Shearing is common in many dykes.

Mineralization:

Radioactive minerals are picked-up easily by a geiger counter. On the Laurencin property the best results were obtained over reddish brown pegmatites dykes or where quartz veins, bearing magnetite were found.

Detail geological survey:

Four grids were surveyed over interesting parts of the groups of claims. Detail description of each to follow: Geological Survey B1/0+00

Access is provided by the Dyno road. The northern part of the grid is close by this road.

The surveyed claims are located on top of a plateau with swamps to the south and west. About 50% of the area is covered with shallow overburden. The forest is clean and has not been logged recently.

An orange brown syenite gneiss is the main type of rock encountered. It is made of orange orthoclase feldspar 95% with 5% quartz.

Scattered outcrops of paragneiss are common. Pegmatite occurences vary and should be described individually by type.

1° Syenite pegmatites

They usually occur as narrow dykes or sills. They're made of red brown orthoclase feldspar and green hornblende crystals (5%). They are sometimes fractured and filled with glassy quartz. Magnetite and fluorite are found in the dykes. Radioactivity counts are usually high. These pegmatites are found from line 19S to 21S west of the base line. They are relatively small in length and width.

2° <u>Syenite pegmatites</u>

Same composition as above but they are not fractured and have no secondary quartz fillings.

3° Granite pegmatites

Usually interlayered and turning to granitic texture where these are found in thick bodies.

No main structures were located on the grid.

Geological Survey B1/12W

Access to the grid is provided by several bush roads connecting with the Dyno raod.

The base line stretches in a valley with rising floors to the east and west.

Logging debris and windfalls are scattered about.

Rocks are well exposed on top of ridges but they account for 5% of the total surveyed area.

Grey, banded and contorted paragneiss is the main host rock for the pegmatites encountered on the west side of the base line.

On the eastern side, an orange brown syenite gneiss composed of orthoclase feldspar with very little quartz is the main type of rock encountered.

Pegmatites are usually of the granitic type. They are either interlayered within the paragneiss or exposed as bodies covering the top or sides of hills. In the latter case the pegmatities grades downward to resemble a granite in texture and composition.

Fairly low radioactive counts were registered on that grid.

Geological Survey B1/23W

Access to the grid is provided by the Dyno Road. The topography is that of a northerly striking ridge flanked with two adjoining swamps to the east and west.

Lumbering debris are scattered around and together with the secondary growth of hard trees, render walking rather uneasy.

Several types of rocks were mapped and are listed below. Equivalent and easier interpretation of rock types is given:

Rock Types

- 1° Amphibolite gneiss
- 2° Metapyroxenite
- 3° Schist
- 4° Granite pegmatite

Equivalent

Paragneiss Diopside rich crystalline limestone Schistose Paragneiss Granite

Amphibolite gneisses schist

They are made up of dark layers of black hornblende alternating with greyish feldspar bands. They are contorted and sometimes stretched to a schist. They are the Paragneisses.

2° Metapyroxenite

These are light green diopside bands interlayered with crystalline white limestones.

3° Pegmatites and granite

These rocks should be classified as a unit. The pegmatites are usually made of pink feldspar and quartz for the most part, and biotite flakes. They are often ranging from pegmatitic to granitic texture in the field, due to a decrease in the size of crystals. Therefore granite pegmatites often grading to granite should be considered as the same unit.

They are usually conformable with the paragneiss in which they can be found as thin layers or fairly thick cappings on the side of hills.

Geological Survey B1/32W

Access to the grid is provided by the Dyno Estates road. The topography is rugged with fairly steep hills, alternating with low swampy valleys.

Lumbering debris are covering the forest floor and make walking and surveying quite slow.

Exposures of rocks are frequent on top of the hills. Many outcroppings of grey banded and contorted paragneiss compose the basement of the area. They are made up of alternating layers of grey feldspar grains and black amphibolite; hornblende. The gneisses strike in a northerly direction with an easterly dip.

Most of the pegmatites are of the granitic types; pink feldspar and glassy quartz accounting for the best part of the rock. They are found in thin layers, 1 ft. to 3 ft., conformable to the Paragneiss; or in large cappings on the side of hills.

A few outcrops of crystalline limestone, made of white to greyish dolomite were found in the western part of the area.

Radioactivity counts are fairly low over this grid.

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CONCLUSIONS AND RECOMMENDATIONS

Careful sampling of the radioactive dykes should be undertaken in order to properly assess the potential of the property. Any dyke carrying 2 lbs./ton U308 should then be considered as worth keeping for a future exploitation.

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D. M. Hendrick, P. Eng., Chief Geologist, Exploration. December 14, 1976.



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File 2,2286

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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) $\frac{1}{1} + \frac{1}{1} + \frac{1}{1$	
Township or Area	MINING CLAIMS TRAVERSED
Claim Holder(s) ALLA MITTON MENTO UTD PC BLX91	List numerically
COMPLERE COUNT LEST TERONTE, ONT	
Survey Company ILATEROLD BY HEAR ADD I.SON MINES	<u>EC 402852</u>
Author of Report D.M. HLNDRIN, HILF GULLGEST, LAPLERATI	$\sim EC 4CZZ54$
Address of Author Anthe Ameson MIENES LTD.	
Covering Dates of Survey $\underline{Dec. // - DEC. /6 / 76}$ (linecutting to office)	EC 402855
Total Miles of Line Cut 6.5 $n = 1.6$	EC 4028584 COUL
· · · · · · · · · · · · · · · · · · ·	EC 4028594
SPECIAL PROVISIONS	
CREDITS REQUESTED Geophysical per claim	
Electromagnetic	$L \cup T T Z \cup J$
ENTER 40 days (includes line cutting) for first	
survey. $(3, mt)$ $-Radiometric 2c$	
ENTER 20 days for eachOther	
additional survey using Geological	
same grid. Geochemical	~1
AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)	$\mathcal{O}_{\mathcal{F}}$
MagnetometerElectromagnetic Radiometfic /	//
(enter days per claim) /	
DATE: DELLA 1976 SIGNATURE: A. M. M.	V
Author of Report or Agent	
Res. GeolQualifications2.1824	
Previous Surveys	
File No. Type Date Claim Holder	
	17
	TOTAL CLAIMS

GEOPHYSICAL TECHNICAL DATA

(1, R, OU, RO, SURVEYS = 1)				
Number of Stations	<u> </u>	Number o	f Readings	318
Station interval	- 1 · 17	Line spaci	ng2	ADT FT
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	nethod			
	n interval (hours)			
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<u> </u>				
Instrument				
Coil configuration _				
Coil configuration				
Accuracy Method: Frequency	Fixed transmitter	Shoot back	🗔 In line	Parallel line
Frequency				
	d			
Instrument				
Scale constant				
Corrections made				
Base station value ar	nd location			
Elevation accuracy_				
Instrument				
<u>Method</u> Time	Domain	🗀 Fr	equency Domain	1
Parameters On tin	ne	Fr	equency	
Off tir	ne	R a	ınge	10.
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Integr	ation time			
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Electrode spacing				
Type of electrode _				

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Instrument	Range
Corrections made	
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Instrument $\underline{\mathbf{x}} = \mathbf{x} + \mathbf{y} + \mathbf{y} + \mathbf{y} + \mathbf{y}$	113-121 CHMMP-RHY SCINTILLOMETER
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Height of instrument	$\frac{3 - 5}{1 + 1} = Background Count = 3 - 5 + 5 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +$
Overburden	(type, depth – include outcrop map)
	Constant (Constant)
Instrument	
Additional information (for understa	nding results)
AI Parkers	
Type of survey(s)	
Instrument(s)	
Accuracy	(specify for each type of survey)
Accuracy	(specify for each type of survey)
Aircraft used	
Navigation and flight path recovery m	nethod
Aircraft altitude	Line Spacing
Miles flown over total area	Over claims only
	Over claims only

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken_____

Total Number of Samples	ANALYTICA	METHOD	2
Type of Sample	Values expressed in:	per cent p. p. m. p. p. b.	
Method of Collection	Cu, Pb, Zn, Ni, Co,		As,-(circle)
Soil Horizon Sampled	Others		····
Horizon Development	Field Analysis (tests)
Sample Depth	Extraction Method		
Terrain	Analytical Method		
	Reagents Used		
Drainage Development	Field Laboratory Analysis		
Estimated Range of Overburden Thickness	No. (tests
	Extraction Method		
	Analytical Method		
	Reagents Used	·····	
SAMPLE PREPARATION	Commercial Laboratory (tests
(Includes drying, screening, crushing, ashing)	Name of Laboratory		
Mesh size of fraction used for analysis	Extraction Method		
	Analytical Method		
	Reagents Used		
	(Keagenits Oscu		
General	General		



OFFICE USE ONLY

Ministry of Natural Resources

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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)	
Township or Area	MINING CLAIMS TRAVERSED
Claim Holder(s) MARIE AMERICAN MARIE LAN P.C. BCX 11	List numerically
(A) MELLE ANT WEST TERCATE CAT	
Survey Company LENS ADDES REAL MERCHARDES MELNES	EL 414215
Author of Report AN HERE SHELL GUCLIGES TEXTLORING	$\frac{\text{(prefix)}}{EL} \frac{4EZ}{5Z}$
Address of Author MERE AND I MARCE LID	
Covering Dates of Survey / //////////////////////////////////	EC 412753
Total Miles of Line Cut 12	EC 402754
-1	EC 402 855
SPECIAL PROVISIONS CREDITS REQUESTED Geophysical DAYS	EC 402856 EC 402857
ENTER 40 days (includesElectromagnetic	
line cutting) for first —Magnetometer	EC 462858
survey. –Radiometric	EC 402759
ENTER 20 days for each —Other	EC 402860
additional survey using Geological 30	······································
Geochemical	EU 402761
AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)	
Magnetometer Electromagnetic Radiometriq (enter days per claim) DATE: SIGNATURE: Author of Report or Agent	<u></u>
Res. GeolQualifications 2. 1804	
Previous Surveys File No. Type Date Claim Holder	
File No. Type Date Claim Holder	
	TOTAL CLAIMS//

GEOPHYSICAL TECHNICAL DATA

$(a_{\rm C}, R, N, F, SURV_{\rm C}) = 1$	
Number of Stations	Number of Readings
	Line spacing 4(TIT
Profile scale	
Instrument	
Instrument	
Coil configuration	
Coil separation	
Accuracy	
$\mathbb{T}^{\mathbb{T}}$ Method: $\mathbb{T}^{\mathbb{T}}$ Fixed tran	smitter 🗆 Shoot back 🗆 In line 🗆 Parallel line
Frequency	(specify V.L.F. station)
Parameters measured	(specity v.L.r. station)
Instrument	
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· 문. · · · · · · · · · · · · · · · · · ·	
Instrument	
Method 🗌 🔤 Time Domain	Frequency Domain
Parameters On time	Frequency
Off time	Range
Delay time	
Power	
Electrode array	
Electrode spacing	
Type of electrode	

S1 ·	
Instrument	Range
Survey Method	
Corrections made	
$\mathbf{K}^{(1)}$ and	
Instrument	
Energy windows (levels)	
Height of instrument	Background Count
Size of detector	
Overburden	
	(type, depth – include outcrop map)
	$1 = 0$ and $1 \le C_{1,1}$
Type of survey	
Instrument	
Accuracy	
Parameters measured	
Additional information (for u	nderstanding results)
X 117	
<u>AIR Definition of the second </u>	
	(specify for each type of survey)
Accuracy	(specify for each type of survey)
Aircraft used	(specify for each type of survey)
Sensor altitude	
Navigation and flight path reco	overy method
Aircraft altitude	Line Spacing
Miles flown over total area	Over claims only
	Over claims only

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken_____

Total Number of Samples	<u>ANALYTICAL METHODS</u>						
Type of Sample(Nature of Material)		per cent					
(Nature of Material) Average Sample Weight.		p.p.m.					
Method of Collection		p. p. b.					
		Ag, Mo, As,-(circle)					
Soil Horizon Sampled	Others						
Horizon Development	Field Analysis (tests)					
Sample Depth	Extraction Method						
Terrain	Analytical Method	······					
	Reagents Used						
Drainage Development	Field Laboratory Analysis						
Estimated Range of Overburden Thickness							
	Extraction Method						
	Analytical Method						
	Reagents Used						
SAMPLE PREPARATION	Commercial Laboratory (tests)					
(Includes drying, screening, crushing, ashing)	Name of Laboratory	, 					
Mesh size of fraction used for analysis							
	Analytical Method						
	Reagents Used						
Contract	General						
General							

Ministry of Natural Resource GEOPHYSICAL – GEOLOGICAL – GEOC	HEMICAL
Ontario TECHNICAL DATA STATEMEN DETRIL SURVEYS TO BE ATTACHED AS AN APPENDIX TO TECHNI FACTS SHOWN HERE NEED NOT BE REPEATED TECHNICAL REPORT MUST CONTAIN INTERPRETATION	CAL REPORT
Type of Survey(s) GLEPHYSICH(2) GLELCGICHL Township or Area GENTER TLEP Claim Holder(s) KENK ADTINE Minute State Claim Holder(s) KENK ADTINE Minute State	MINING CLAIMS TRAVERSED List numerically
<u>COMMERCE COURT WEST TONONTO, ONT.</u> Survey Company <u>TERFORMED</u> BY KERK ADDISON MINES Author of Report <u>DAM HENDRECK, CHIEF CELOCITY FRICORATOR</u> Address of Author <u>KERR</u> <u>ADDISON</u> <u>MINES</u> <u>LTD</u> Covering Dates of Survey <u>AUGUST 1976</u> (linecutting to office) Total Miles of Line Cut <u>11.0</u> <u>MILES</u>	E0 402853 (prefix) E0 4028564 (nymbor) E0 4028564 E0 402857 E0 402857 E0 4028614
SPECIAL PROVISIONS CREDITS REQUESTEDDAYS per claimENTER 40 days (includes line cutting) for first surveyElectromagnetic Magnetometer Radiometric Radiometric Other Other Other Other Other Other Dother 	If space insufficient, attach list
AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys) MagnetometerElectromagneticAadiometric (enter days per claim) DATE: Dic 14 1776 SIGNATURE:Author of Report & Agent	
Res. Geol. Qualifications Q. 1884 <u>Previous Surveys</u> File No. Type Date Claim Holder	
	TOTAL CLAIMS

GEOPHYSICAL TECHNICAL DATA

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(4 * * * ;	<2 <i>4 ³⊖</i> 7 5.2€	h type of sarve	v	
N	Number of Stations	11718	Num	ber of Readings	3534	-
S	tation interval	SC PT	Line	spacing	INTERT	
Р	rofile scale		Linc	spacing		
C	Contour interval	25 COLNES		NUTE		
	`					
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MAGNELIC		stant				
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		ind value				
IC	Instrument			······		
E						
AC		······				
MO	Accuracy					
N. C	Method:	🗔 Fixed transmitter	Shoot bac	k 🗆 In li	ine 🗌 Parallel	lin
ELECTROMAGNETIC	Frequency					
F-JI	Parameters measured		(specify V.L.F. statio	n)		
			······			
	Instrument					
6	Corrections made					
GRAV					······································	
E K	Base station value and I	ocation		······		
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	Method			Frequency Do	main	
	Parameters On time _			. ,		
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RESISTIVIT						
	Electrode spacing		-	ar		

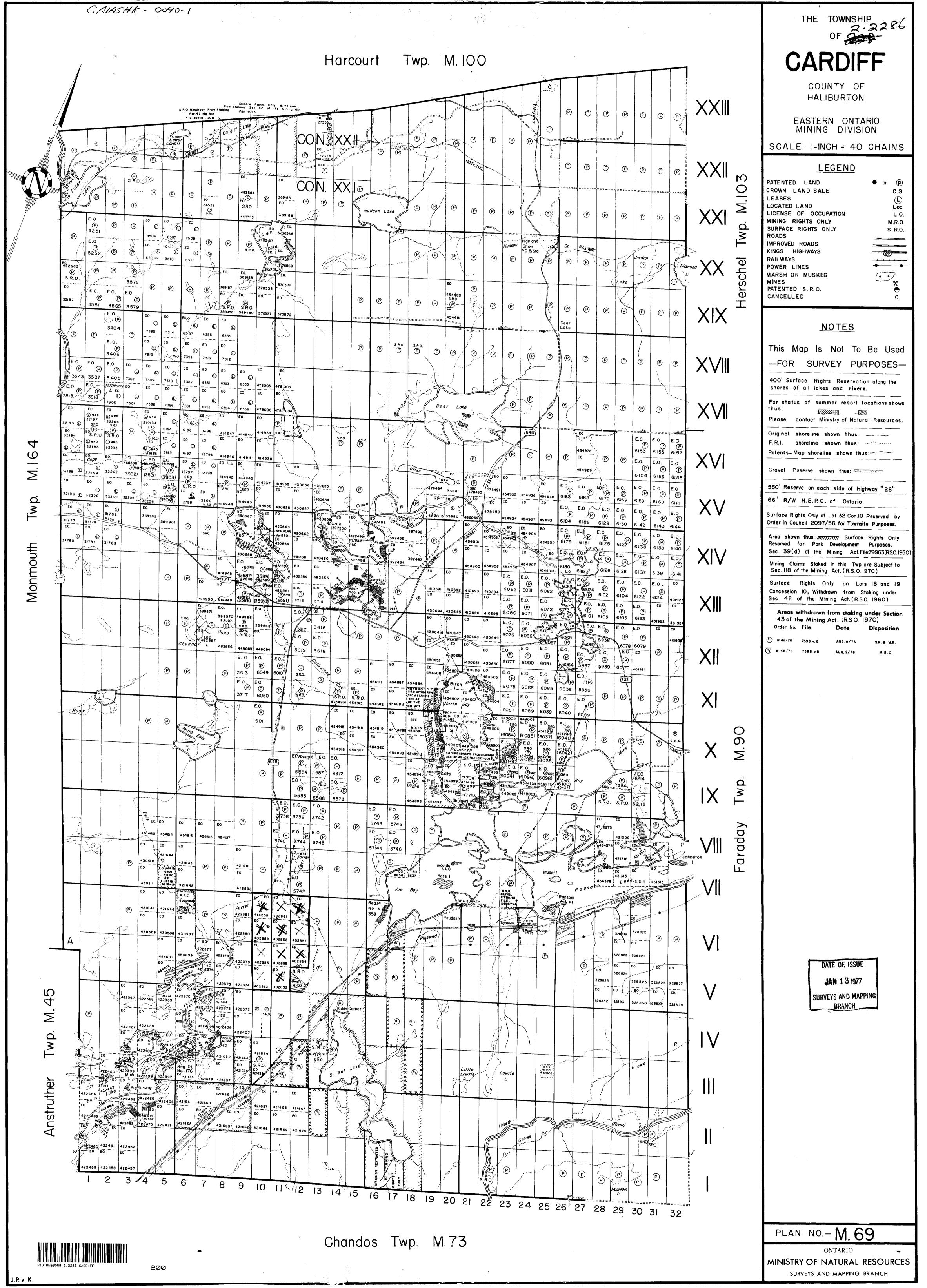
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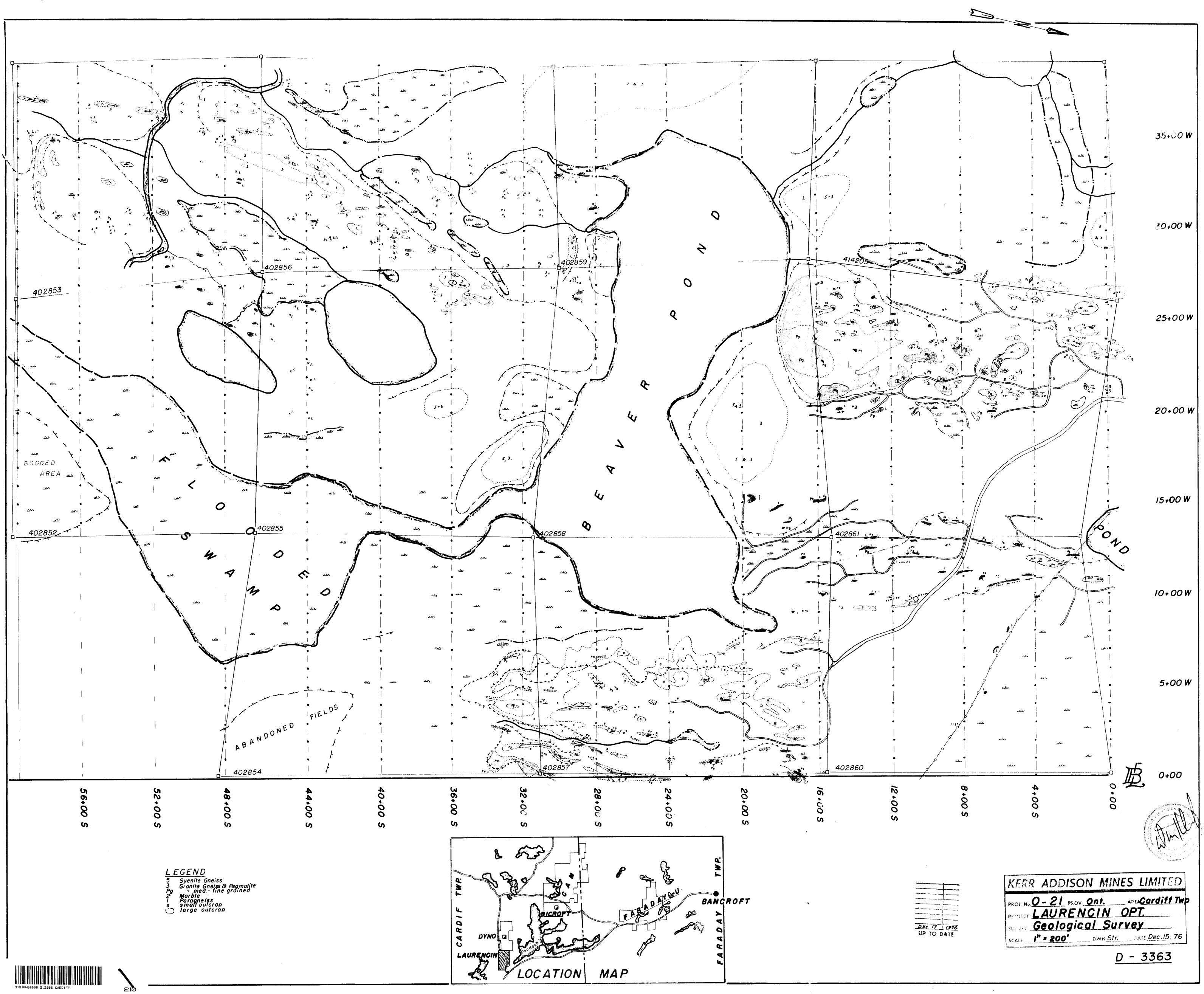
Instrument		Range	
Survey Method			
Corrections made			
			<u> </u>
·.			
Instrument EDA To	TURIE THINGS >	ETECTUR RD 200	
Values measured RADAN	THORON CAS ATT	ITY IN COUNTS PER MINUTE	
Energy windows (levels)		LET DE CULVES TER MINUTE	
		Background Count APPRex 250	
Size of detector			f
Overburden			
	(type, depth - inclu	ude outcrop map)	<u></u>
$\frac{1}{2} \left(e^{-i \theta} e^{-i \theta} e^{-i \theta} \right) = e^{-i \theta} e^{-i \theta} S_{\theta + \frac{1}{2} \theta} e^{-i \theta} e^{-i \theta}$	en l'en terme e re.)		
Type of survey			
Parameters measured			
Additional information (for u	inderstanding results)		
MRBD VESERVENS			
Type of survey(s)			
Instrument(s)			
	(specify for each typ	e of survey)	
. Accuracy	(specify for each typ	e of survey)	
Aircraft used			
Sensor altitude			
Navigation and flight path rec	overy method		
Aircraft altitude			
Miles flown over total area		Line Spacing	
novin over total alca		Over claims only	

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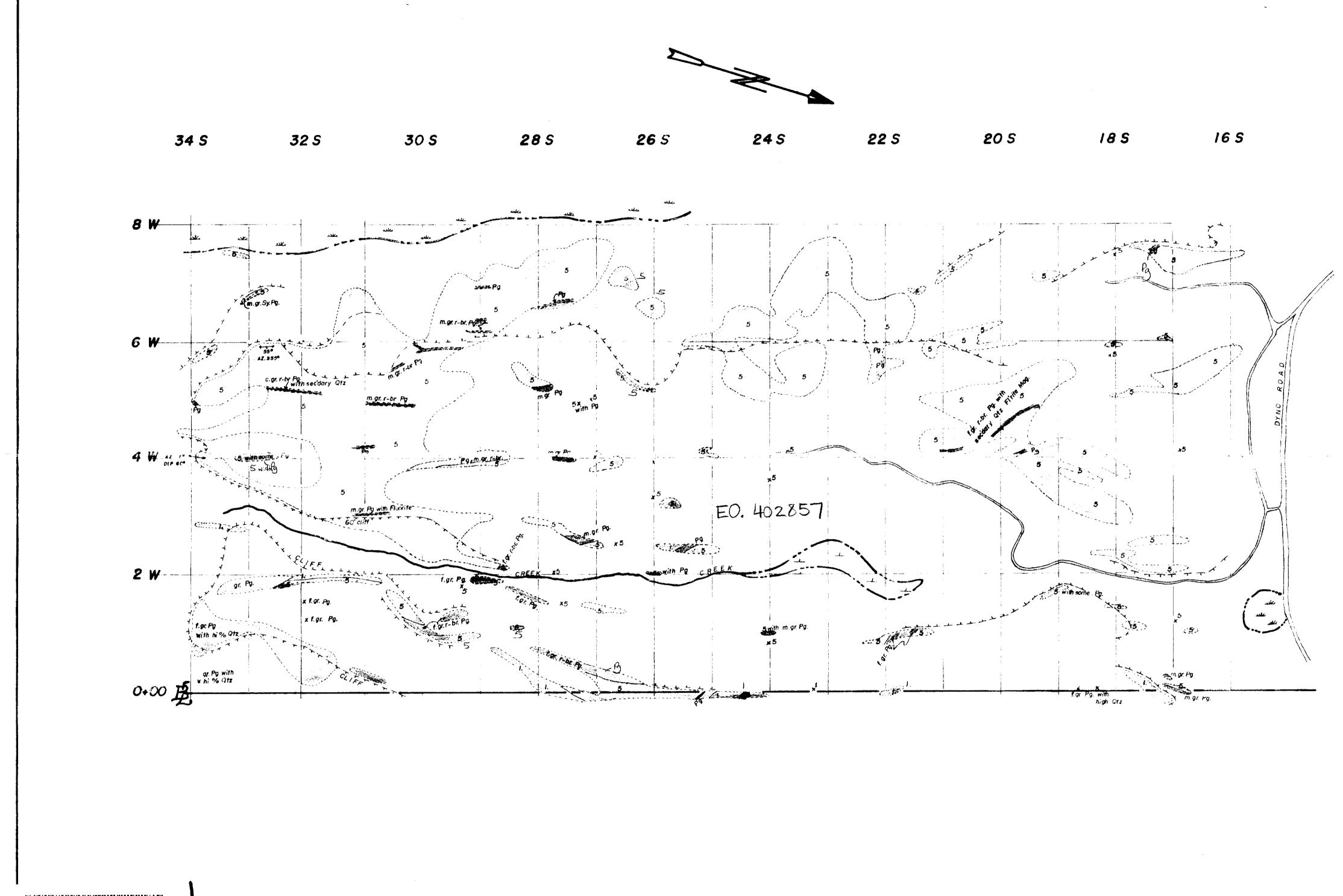
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Reser	rve on eac	h side of Hig	jhway "28"
R/W	H. E. P. C .	of Ontario.	
e Rig n Cou	hts Only of Incil 2097/	Lot 32 Con.10 56 for Townsi	Reserved by te Purposes.
ed	for Park	Development	Rights Only Purposes . ile:79963(RSO 1950)
l Cla 118 o	ims Staked f the Mining	in this Twp Act. (R.S.O.)	are Subject to 970)
ssion	10, Withde	nly on Lot rawn from S ning Act.(R.S.	s 18 and 19 taking under 0, 1960)
of t	withdrawn he Mining File	Act. (R.S.O. 1	
			Disposition
8/76	7598 v. 8	AUG. 9/76	S.R. B. M.R.



GAIASHK-0040-7





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LEGEND

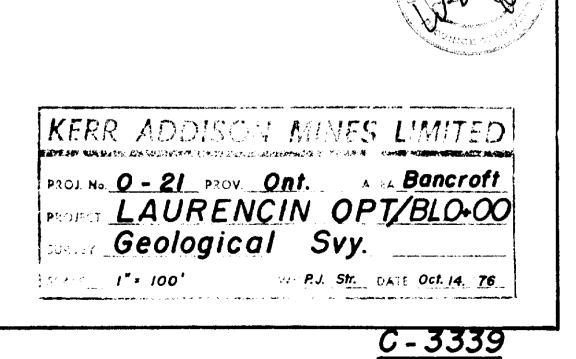
Pa.

FARAGNEISS SYENITE GNEISS PEGMATITE

and a second second

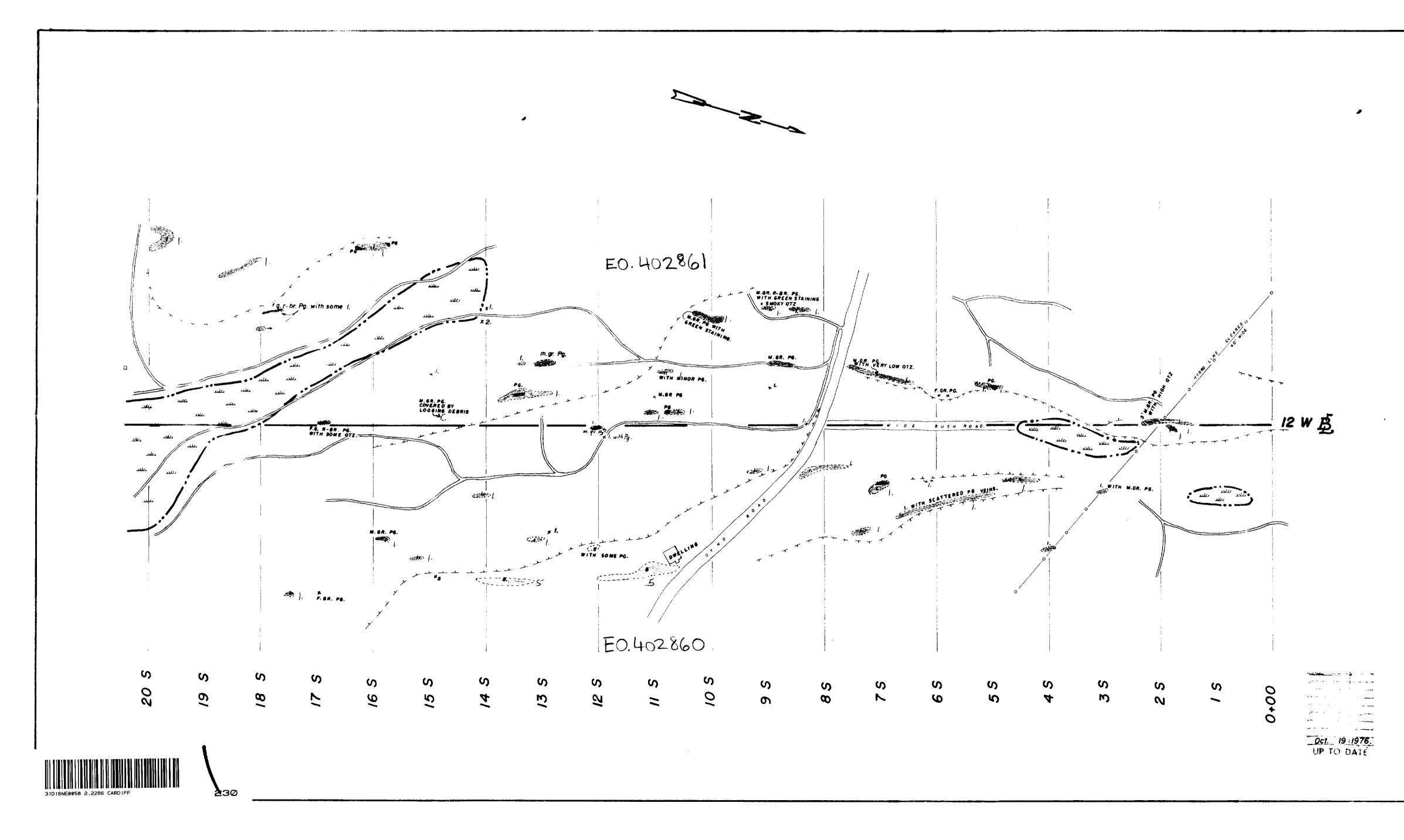
f.m.c. a

FINE MEDIUM COARDE GRAINED OUTCROP SMALL OUTSROP PIT SWANP BUSH ROAD









LEGEND.

 I.
 PARAGNEISS

 5
 SYENITE GNEISS

 PG
 PEGMATITE

 R BR
 RED
 BROWN

 GR
 GRANITE

 C.M.F.GR
 COARSE, MEDIUM, FINE GRAINED.

 OUTCROP
 X

 SMALL OUTCROP

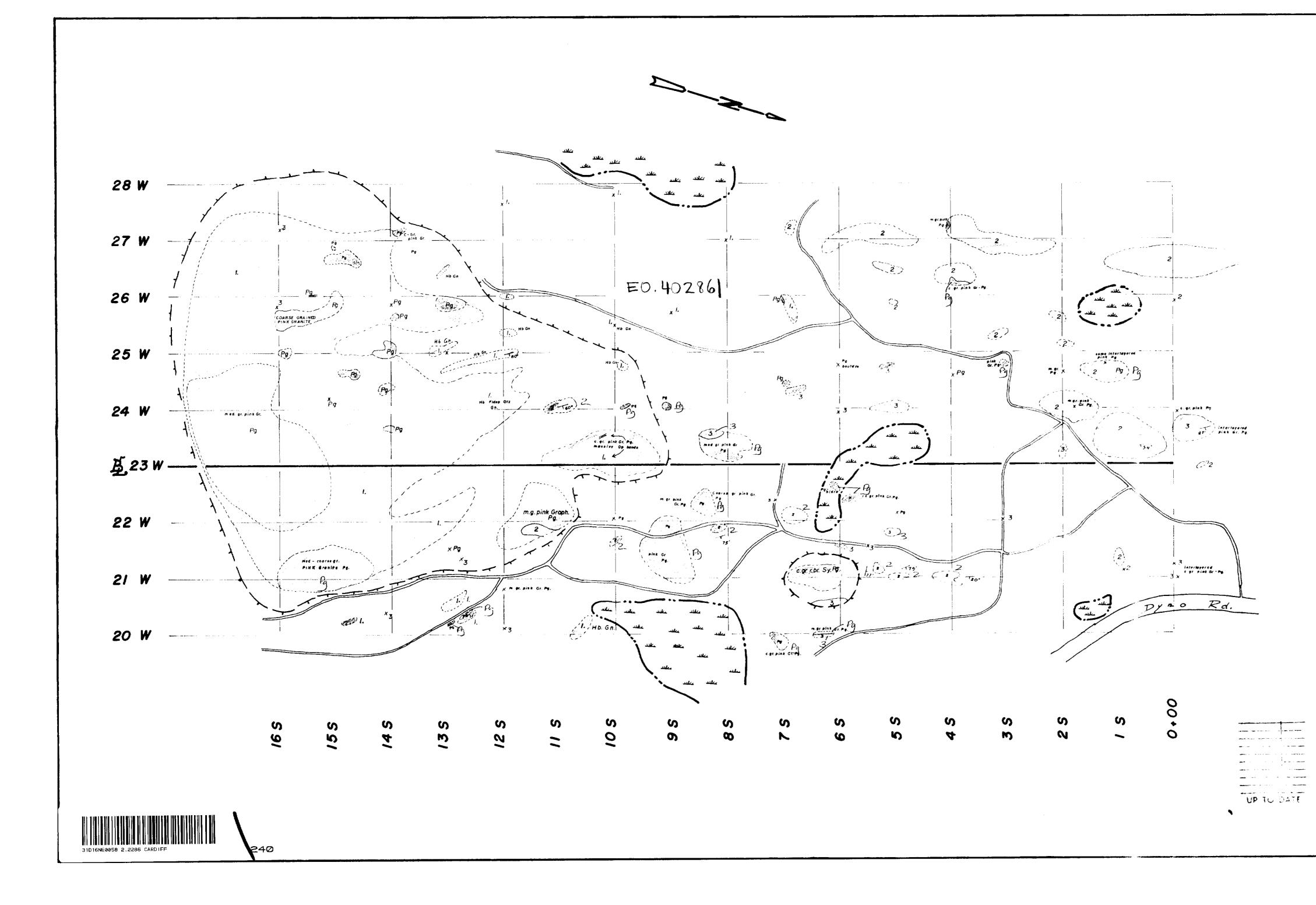
 SWAMP

 TTTOP OF SLOPE

 BUSH ROAD

KERR	ADI	DISON		_		
PROJ No	0 - 21	PROV.		Pee		Area
PROJECT _	LAUR	ENCIN	OPT	ION.	BL.	12 W
SUNVER _	Geolo	<u>gy.</u>	n (an t-main, t-, an the she spite stars and	en Pendelana e a Mana ana ang manahana ang atau ang	- ,	
SCALE	<u>1" = 100'</u>	D	NH_Str.	DATE O	ct. 18.	1976.
		n an fair ann an Starte Frankliken an Anna Anna an Anna Anna Anna Anna A	laidhanni n doonait seo aco ⁿ e	С	-3	340

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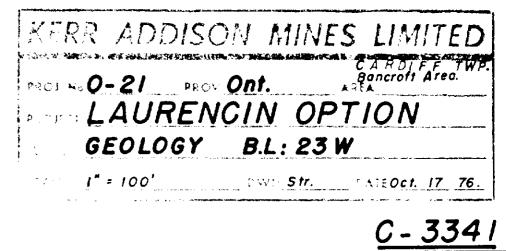


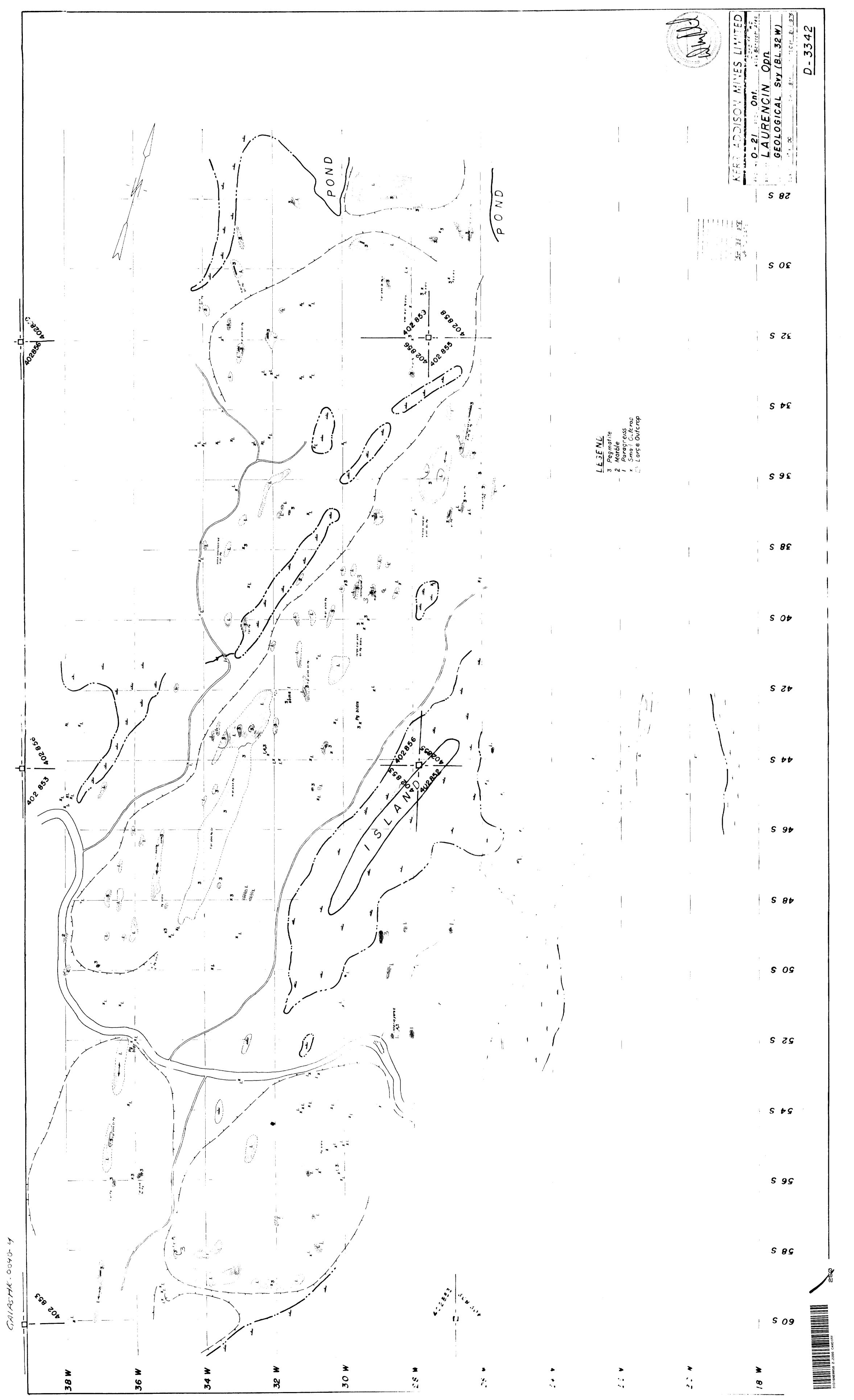
LEGEND. m.t.c.

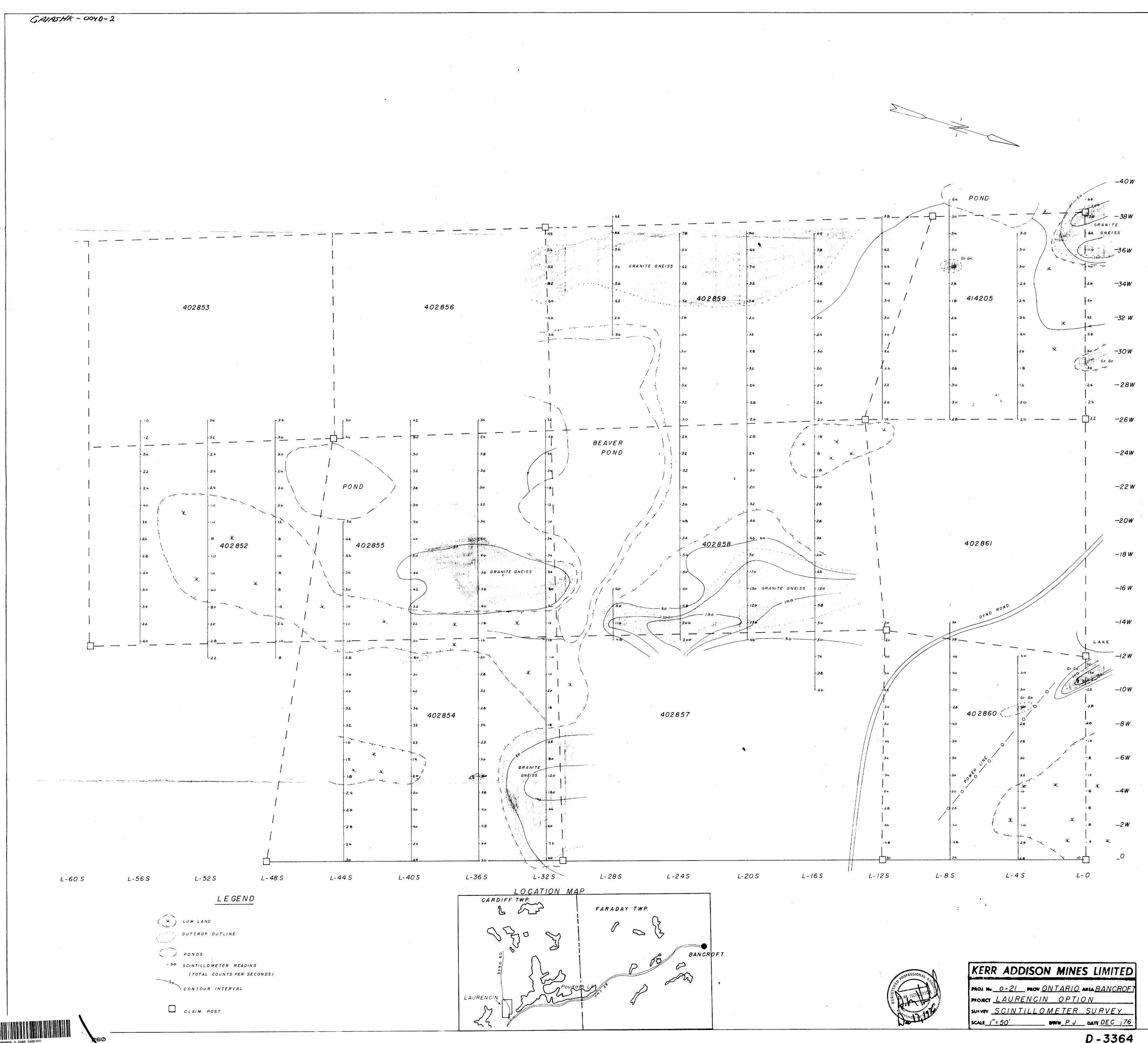
3

GRANITE PEGMATITE SCHIST METAPYROXENITE AMPHIBOLITE medium-fine-,coarse-, grained

OUTCROP SMALL OUTCROP SWAMP TOP OF SLOPE BUSH ROAD







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<u>D-3364</u>