

DENISON MINES LIMITED EXPLORATION DIVISION



010

DENISON MINES LIMITED

REPORT ON

THREE GROUPS OF CLAIMS

MIKADO PROJECT

SHOAL LAKE AREA

KENORA MINING DIVISION

ONTARIO

MINING LANDS SECTION

SEP 14 1981

N.T.S. 52-E-10

C.F. DESSON AUGUST 20, 1981.

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FIGURES:

Figure 1 Location Map

Figure 2 Property Map

LIST OF CLAIMS

Group No. 1: K560032 and K560035 Total 2

Group No. 2: K575064, K575065, K575066 and K575067

Total 4

Group No. 3: K486828, K486836, K486837,

K575053, K575054, K575055,

K575056, K575057, K575058,

K575059 and K575060 Total 11

1. SUMMARY

Programs of exploration were carried out over three groups of claims during three major time periods dating from September 17, 1980 to July 11, 1981. Line grids were prepared and magnetometric, electromagnetic, geological and geochemical surveys were carried out using a variety of instruments.

Certain claims were subjected to various surveys but not all surveys as listed were performed on all groups. The grouped claims as (listed under property) are self-explanatory as to work performance.

The claims are 100% owned by Denison Mines Limited having been acquired by staking of crown lands.

2. INTRODUCTION

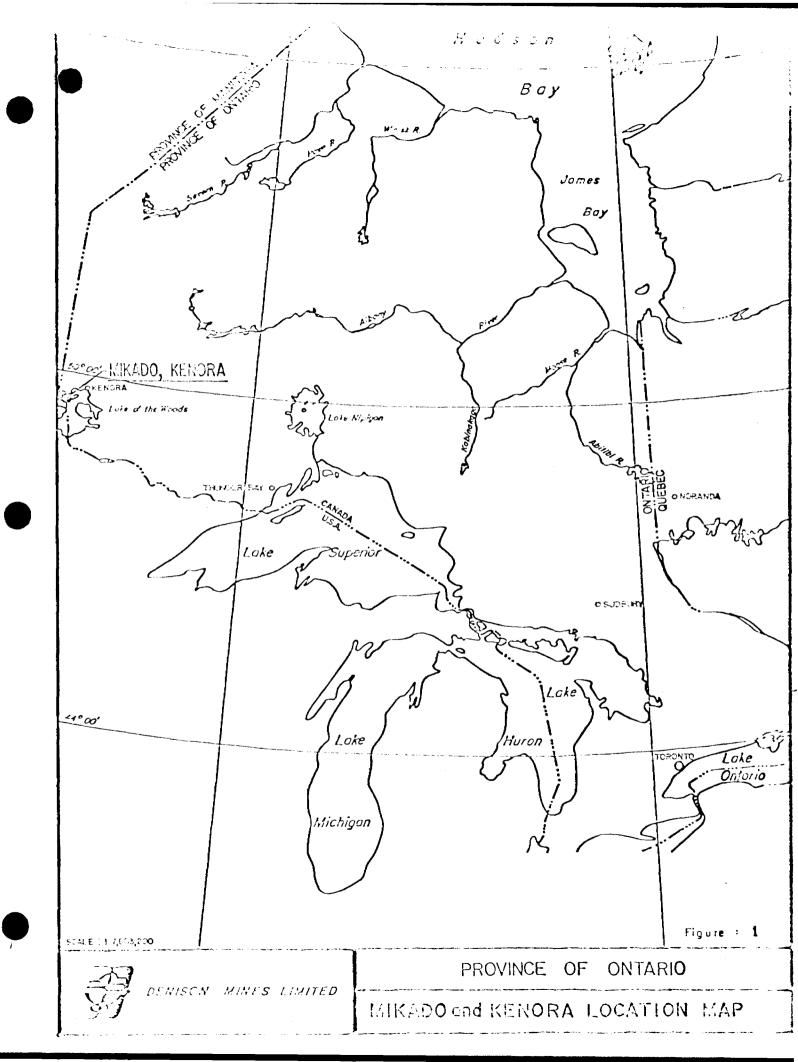
Denison Mines Limited on their own behalf staked the claims covered by this report to cover potentially economical lands contiguous and near the patented lands held by Kenora Prospectors and Miners Limited property which, in the past, hosted two small producing gold mines. A proposal by Denison to acquire this latter property by way of option agreement was pending at the time.

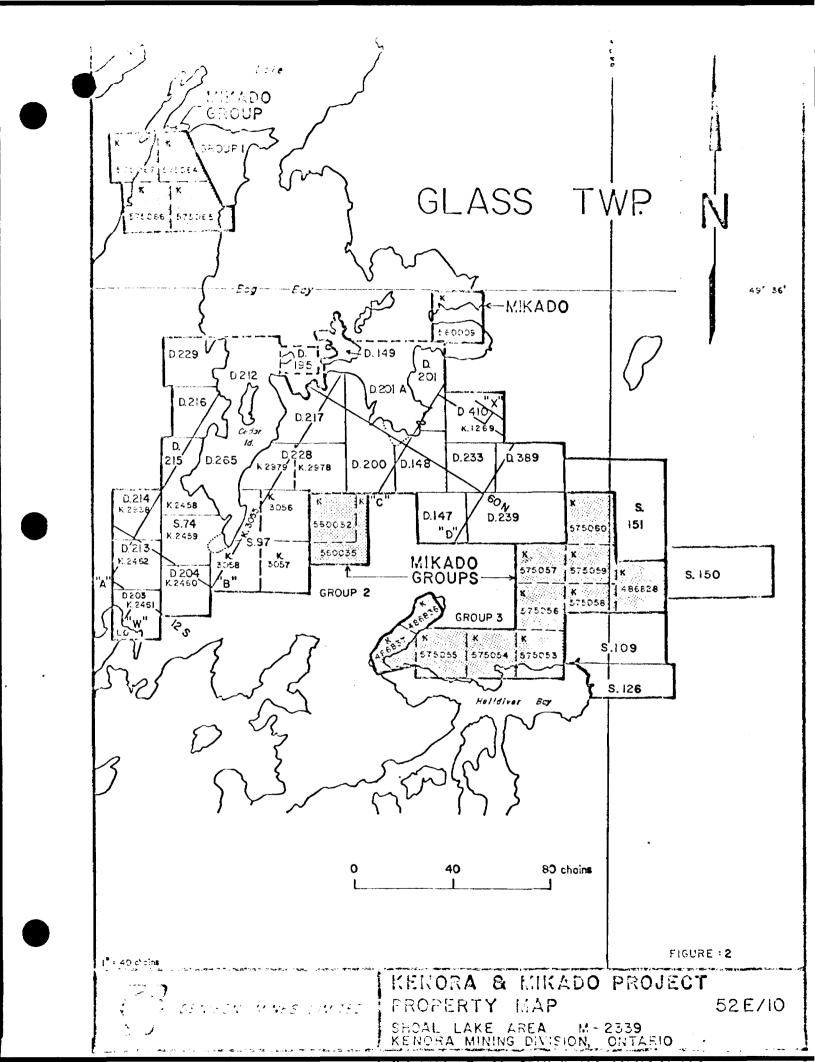
3. CONCLUSIONS

- (a) A number of magnetic, electromagnetic and two humic anomalies were detected with surveys.
- (b) Vein quartz was seen on the pit dumps on Group No. 3 and also in two floats.
- (c) The geology is similar to the past producing mines south west of the Canoe Lake Quartz Diorite Stock.

4. RECOMMENDATIONS

- (a) Sample the quartz found on Group No. 3.
- (b) If the samples in (a) are encouraging, the pits should be dewatered, mapped and sampled followed by drilling as conditions warrant.
- (c) Prospect, trench and sample the magnetic, electromagnetic and humic gold anomalies on all groups with first priority being the humic gold anomalies.





PROPERTY

The property consists of 17 unpatented mining claims comprised of three separate contiguous groups, as follows:

- 5.1 Group No. 1: K 560032 and 560035 Total 2
- 5.2 Group No. 2: K 575064, 065, 066 and 067 - Total - 4
- 5.3 Group No. 3: K 486828, 836, 837, K 575053, 054, 055, 056, 057, 058, 059 and 060 - Total - 11

(Sub Group 3A : K 484836 and 837)

(Sub Group 3B : K 486828, K 575053, 054, 055, 056, 057, 058, 059 and 060 and part of 486837)

Full Total 17

Note: Group No. 3 is broken down into Sub-groups 3A and 3B for report purposes in order to define separate work performance of different times and kinds using different instruments.

6. LOCATION

The properties are situated in the west-central part of Glass Township; centered on the Bag Bay Area and Shoal Lake, Kenora Mining District of Kenora some 25 miles south-west of the town of Kenora and are strung out within $1\frac{1}{2}$ miles of each other in a north-west direction on and close to Shoal Lake.

7. ACCESSIBILITY

Access is made by fixed wing aircraft from seaplane bases in Kenora or alternately via Hwy. 17 West from Kenora 23 miles west to the Rush Lake road, southerly over paved and narrow, winding road for 12.3 miles to Clytie Bay landing on Shoal Lake and 2.4 miles over lake to the geographical centre of the claims groups.

8. REGIONAL GEOLOGY

The three claim groups are underlain by Precambrian rocks of the Superior Province of the Precambrian Shield and lie on and near the south-west margin of the Canoe Lake Quartz Diorite Stock.

The rocks consist primarily of fine grained mafic to intermediate meta-volcanics of basaltic and andesitic composition with minor interflow tuff and sediments all trending north-east in the property areas.

8. REGIONAL GEOLOGY (CONTD.)

The volcanic assemblage is intruded by sills and dikes of diorite, gabbro, quartz diorite, quartz feldspar, porphyry, feldspar porphyry.

The diorites and gabbros may be volcanic in part.

The acid intrusives are felsic expressions of the Canoe Lake Quartz Diorite Stock in the form of dikes and quite likely tongues and roof pendants. The whole assemblage is intruded by veins and stringers of quartz often with carbonate and quartz-carbonates in tension cracks, shears and faults and often carrying gold plus sporadic amounts of accessory sulphide minerals as well as arsenopyrite. Chlorite with quartz and carbonate is also common. The acid dikes are often pyritized. The diorites and gabbros often carry accessory pyrite, pyrrhotite and chalcopyrite as well as free magnetite.

8.1 ROCK AND STRUCTURE DESCRIPTIONS

The rock types as listed on the geological plan are as follows:

- Basaltic Lava: possibly in part fine grained gabbro, is a black, very fine grained volcanic rock; hard and compact.
- 2. Andesite: there are several varieties grouped in this type, as follows:
 - 2 : normal, fine grained, grey to green, massive andesite
 - 2a: andesite with a dioritic or ophitic
 texture, fine grained, grey-green,
 massive
 - 2b: pillowed andesite dark green generally with a finer texture.
 - 2c: Spotted lava; whitish rounded feld-spathic spots up to 15 mm in diameter in varying concentrations. Sometimes pillowed. The matrix of this rock is fine grained, dark, blackish-green, almost basaltic.
- 3. Diorite: probable sills and in part possibly coarser andesite flow centers. Pale green, fine to medium grained with an ophitic texture, hard and massive. Often with very fine accessory minerals of pyrite, chalcopyrite and magnetite.

4. Gabbro: probable sills and in part possibly coarser centers of basaltic flows. Dark, blackish green fine to medium to coarse grained. One outcrop of coarse grained gabbro has olivine clusters up to 3 mm. Accessory minerals seen are mainly magnetite plus specks of pyrite, pyrrhotite and chalcopyrite.

At line 44 N on the base line the gabbro is cryptocrystalline with abundant fine indistinguishable fine magnetite which gives rise to a high magnetic anomaly.

- 5. Granodiorite: typical of the Canoe Lake Quartz Diorite with areas of pink feldspar instead of normal whitish plagioclose.
- 6. Quartz Diorite: typical of above but occurs primarily as dikes. Generally white with accessory hornblende and/or mica.
- 7. Quartz Feldspar Porphyry: a felsic expression of the granodiorite generally with tiny rounded quartz eyes in a light but sometimes dark matrix.
- 8. Feldspar Porphyry: small feldspar phenocrysts up to 3 mm in a dark matrix.
- 9. Felsite: fine grained, pale to medium grey aciddike very often with fine disseminated and patchy areas of pyrite.

The shear zones seen are not intense and could, in part, represent flow top banding.

Attitudes of the flows are deduced mainly from pillow orientations which appear to face and dip to the south-east.

Oxidation occurs in areas of sulphides particularly in the mineralized felsites and flow tops and to a much lesser extent in gabbro in small concentrations and fractures.

A white bull quartz plus some greyish white quartz is seen in the pit dumps near line 60 N. The pits are water filled.

White quartz floats were also found elsewhere.

9. Exploration Program

Line cutting and various surveys were performed at various times over the claim groups under summer and winter conditions, as follows:

9.1 Group No. 1 Surveys

Magnetometric, Electromagnetic and Geochemical (biogeochemical humic for gold) surveys were carried out over a line grid with 400 foot spacings (the extension of a major grid on private lands to the west and north). Station intervals was 100 feet for the geophysics and 50 feet for the geochemical survey. These two claim groups are situated south-east of Bag Bay on the south and east side of patented claims and the major line grid on the patented claims was extended to cover Group No. 1.

Covering dates of the survey was October 20 to October 27 and December 8 to 12, 1981.

9.1.1 Magnetometer Survey

The survey was carried out using an Exploranium Proton Precession Magnetometer, Model G-816 with a scalar total field readout accurate to one gamma. Magnetic control stations were established at regular workable intervals along the base line to the west (not on the property) to effect close control over diurmal variations.

The magnetic relief is of average regional intensity with local insignificant higher areas trending north-east.

9.1.2 Electromagnetic Survey

The prepared line grid was surveyed using a Crone Radem VLF-EM unit using the Seattle, Washington transmitting station as the source of the primary field.

Several conductors, real and inferred, moderate to strong were detected; all trending north-east conformable to structure.

9.1.3 The Fraser Filter Method of Interpretation was applied and confirmed the validity of the conductors which need prospecting.

9.1.4 Geochemical Survey

The pure humus layer of leaf mould (top of the Ao zone) only was sampled at 50 foot station intervals

9.1.4 Geochemical Survey (Cont'd)

and the samples analysed for gold by the neutron activation process. Two small local anomalies were detected and require prospecting.

9.2 Group No. 2 Surveys

This four claim group straddles the peninsula bounding the west side of Bag Bay at the Clytic Bay narrows.

Line cutting with line spacings of 400 feet with 100 foot station intervals were run from one base line and surveyed with magnetometer and VLF-EM.

Covering dates of the survey including drafting was from February 17 to March 15, 1981 and May 2, 1981.

9.2.1 Magnetometer Survey

The survey was carried out with an Exploranium Proton Precession Unimag Model G826 with a sensitivity of 10 gammas on a scalar total field readout.

Several moderate to high local anomalies were detected ranging from 500 to 3600 gammas above the mean and require prospecting.

9.2.2. Electromagnetic Survey

The grid was surveyed using a Crone Radem VLF-EM unit using the transmitting station at Seattle, Washington as the source of the primary field.

Three one line conductors plus one inferred crossover was detected which require prospecting.

9.3 Group No. 3 Surveys

This group for <u>purposes</u> of <u>reporting only</u> has been sub-divided into two sub groups 3A and 3B. Sub group 3A was mostly covered over lake ice while sub-group 3B was worked on in summer. Two different magnetometers were used and separate maps are submitted.

9.3.1 Sub-Group 3A Surveys

This is a two claim group straddling the north-west arm of Helldiver Bay and was gridded over lake ice by a base line with cross lines on 200 foot spacings with 100 foot station intervals.

Magnetometer and Electromagnetic surveys were carried out.

9.3.1 Sub-Group 3A Surveys (Cont'd)

Covering dates of the survey were February 17 to March 15 and May 2, 1981.

9.3.1.1 Magnetometer Survey

The lake grid was surveyed with an Exploranium Proton Precession Unimag, Model G826 with a sensitivity of 10 gammas on a scalar total field readout. The magnetic relief is fairly flat with a few local high anomalies up to 700 gammas above the mean. A main control station was established at the location of a squared stump on the east shore of the lake at grid 13 + 75N and 3 + 45E.

9.3.1.2 Electromagnetic Survey

The survey was carried out using a Crone Radem VLF-EM unit. Two short moderate strength conductors trending north-east were detected plus one isolated crossover.

9.3.2 Sub Group 38

This 10 claim group (part of Group No. 3) lies on the north side of Helldiver Bay and borders on the lake on the east side and contiguous with Sub Group 3A.

The claims were gridded with a base line and cross lines of 400 line spacings with 100 foot station intervals plus a sub base line and cross lines in south-west part of the claims.

Magnetometric, Electromagnetic and Geological Surveys were carried out over the prepared line grid.

Covering dates of the actual surveys are from June 20 to July 10, 1981.

9.3.2.1 Magnetometer Survey

The grid was surveyed with a Scintrex Fluxgate Magnetometer, Model MF-2 with a sensitivity of 20 gammas per scale division on the lowest scale.

Several magnetically high anomalies were detected in the south portion of the property trending north-east in the area of volcanic rocks. The important anomalies range from 3000 to 9300 gammas above the mean and require prospecting. Free magnetite in gabbro was seen in some of the high areas during the geological mapping. Abundant cryptocrystalline magnetite occurs at 00 line 44 + 00N.

9.3.2.1 Magnetometer Survey (Cont'd)

An isolated linear very high anomaly striking northwest which would truncate the flow formation is detected off the north-east part of the property. This anomaly is 23,000 gammas above the mean, the strongest detected in the survey but lies on patented claim \$150 which we hold under option. Gabbro occurs on the south end of this anomaly.

9.3.2.2 Electromagnetic Survey

Surveying of the prepared grid was carried out with a Crone Radem VLF-EM unit using the Seattle, Washington transmitter as the source of the primary field.

A number of weak to strong conductors were detected all trending north-east conformable to structure. These conductors require prospecting.

9.3.2.3 Geological Survey

Mapping was carried out on a scale of 200 feet to the inch as presented on the map (See Geology and Rock and Structure Descriptions for complete details).

The area of the water-filled pits with quartz in the dumps requires detailed prospecting and sampling. If the dump samples return favourable assays, the pits should be dewatered, mapped and sampled.



Chlesson

10. CERTIFICATE OF THE WRITER

- I, Carmen F. Desson, do hereby certify that:
- I am an honours graduate of the Haileybury School of Mining; am an active registered member of the Association of Professional Engineers of Ontario (A.P.E.O.) and have been employed in mining and mineral exploration for over 25 years.
- I was personally present and supervised and participated in all of the work declared in this report.

Carmen F. Desson, P.Eng.

C. F. DESSON MAD

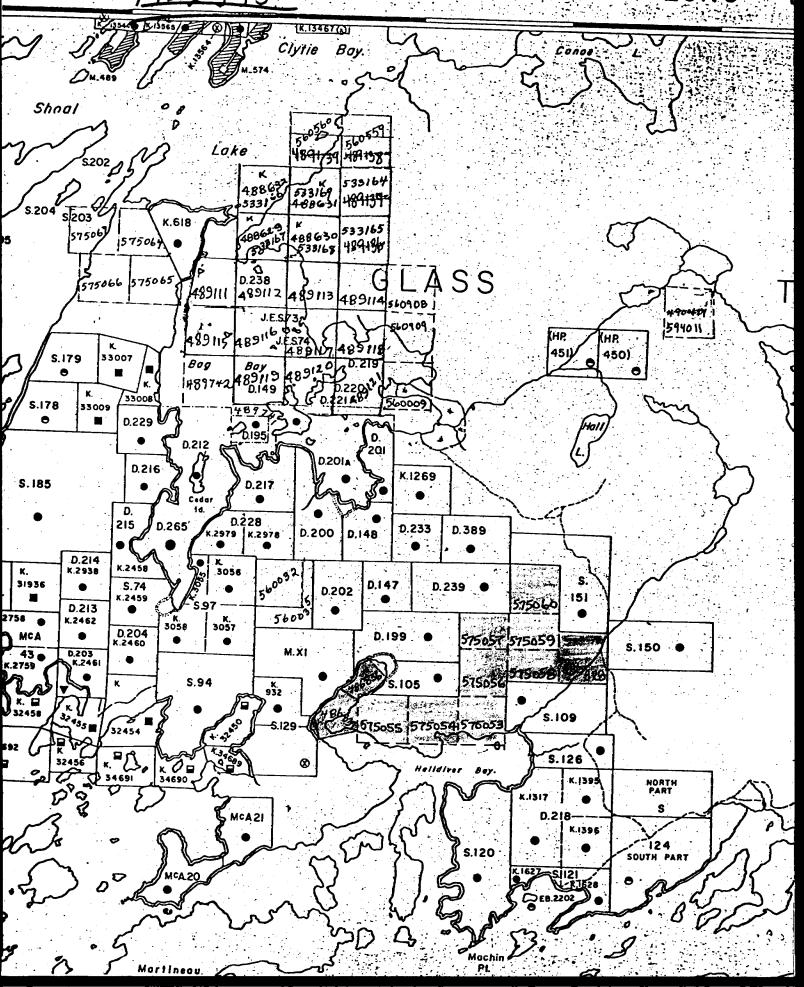
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SHOAL LAKE

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Ministry of Natural Resources

Notification of recording

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Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

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Township or Area: Shoal Lake Area M-2	2339
Type of survey and number of Assessment days credit per claim	Mining claims
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Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto with in 60 days from the date of recording of this work	_ Acting Mining recorder /
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Ministry of Natural Resources

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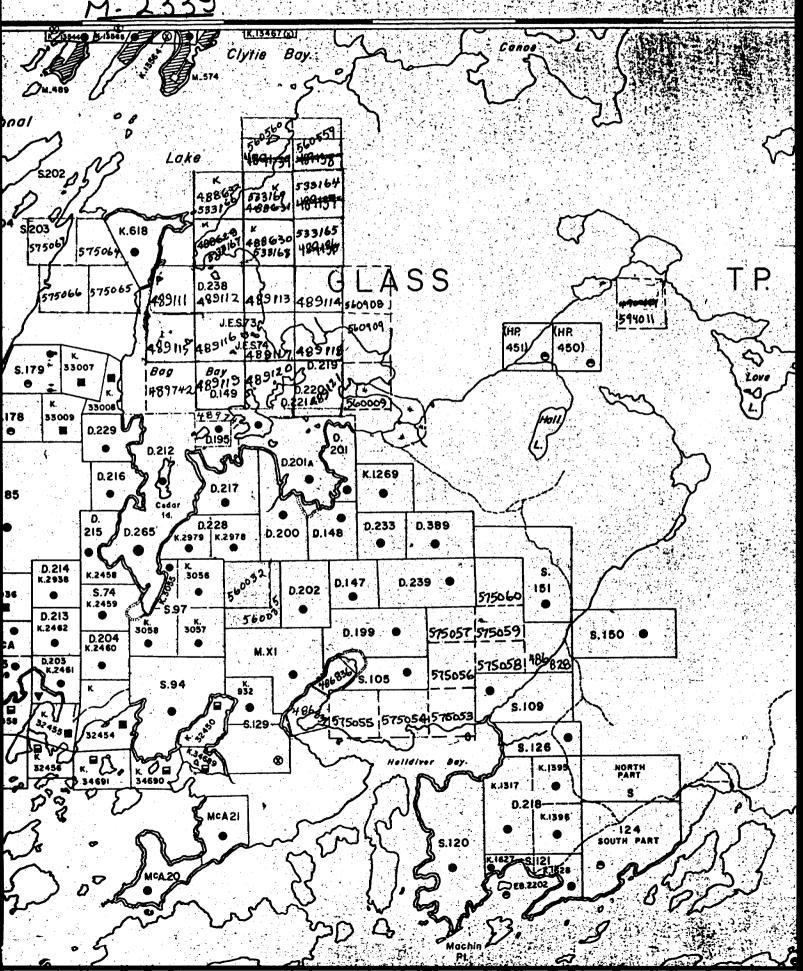
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SHOAL LAKE

ECHO BAY





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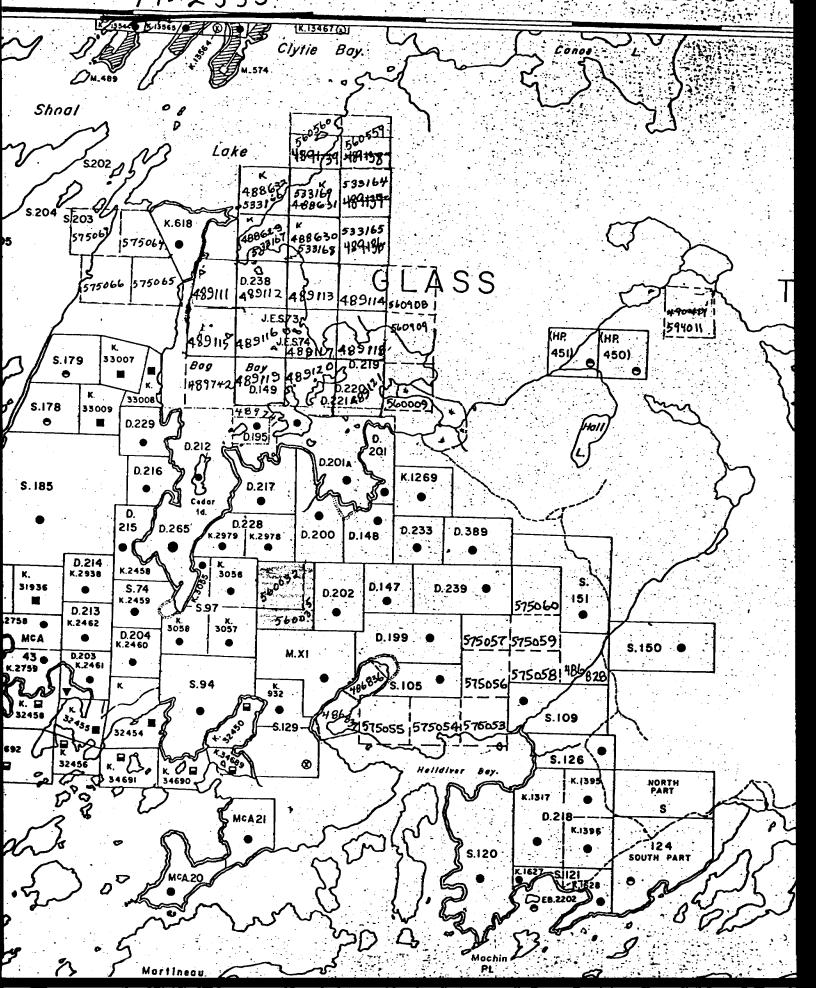
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SHOAL LAKE

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Ministry of Natural Resources

Notification of recording

of assessment work credits

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JUL 2 4 1981

MINING LANDS SECTION

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

Date of recording of work:	July 13, 1981		
Recorded holder:	Denison Mines Limi	ted	
Address:	Box 40, Royal Bank	x Plaza, Toronto, Ontario	
Township or Area:	Shoal Lake Area N	1-2339	
, ,,	and number of s credit per claim	Mining claims	
Geophysical		/	
Electromagnetic	days	K.486828 K.575053-60 inclusive	
Magnetometer	days		
Radiometric	days		
Induced polarization	days		
Section 86 (18)	days		
Geological	20 _{days}		
Geochemical	days		
Man days ☐	Airborne		
Special provision	Ground \Box		
	ps in duplicate be submitted	Acting Mining recorder /	
to the Lands Administ	ration Branch Toronto with	ACCTITA Mining Legerage /	

Denison Mines Limited

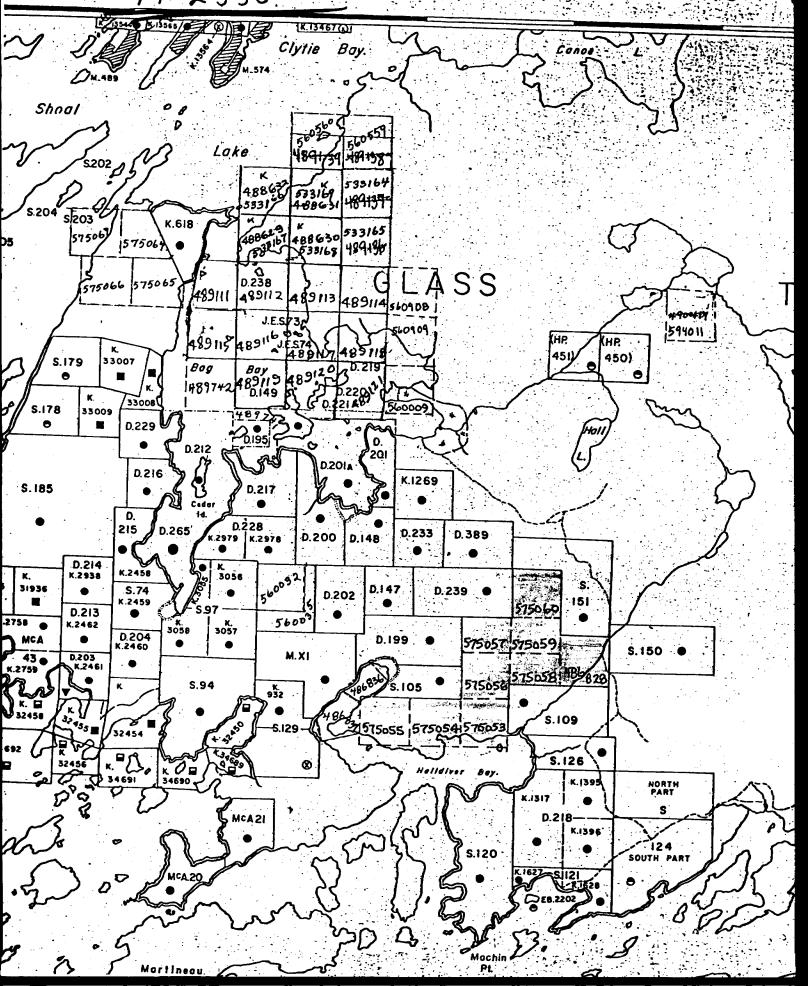
in 60 days from the date of recording of this work.

Reports and maps are being forwarded to the Lands Administration Branch with this letter.

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	sources			Γ	A separate form is	丼 /
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To the Records		••••		• • • • • • • • • • • • • • • • • • • •	Mining Divi	sion
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	rt the performance o			s of	rical Survey	•••••
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SHOAL LAKE

ECHO





Ministry of Natural Resources

Notification of recording

of assessment work credits

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

RECEIVED

JUL 2 4 1981

MINING LANDS SECTION

ate of recording of work:	July 13, 1981		
Recorded holder: Denison Min	nes Limited		
Address: Box 40 Roy	al Bank Plaza,	Toronto, Ont	ario
wnship or Area: Shoal Lake	e Area M-2339		
Type of survey and nu Assessment days credit			Mining claims
Geophysical			
Electromagnetic	40_days	K.575064-67	inclusive 🗸
Magnetometer	20days		
Radiometric	days		
Induced polarization	days		
Section 86 (18)	days		
Geological	days		
Geochemical	days		
Man days 🔲	Airborne 🗌		
Special provision	Ground 🗌		
otice to recorded holder:			Ohn o
Survey reports and maps in d to the Lands Administration I in 60 days from the date of re	Branch, Toronto with	. Acti	ing Mining recorder hison Mines Limited
Reports and maps are being for Administration Branch with the		s	

Sept 11

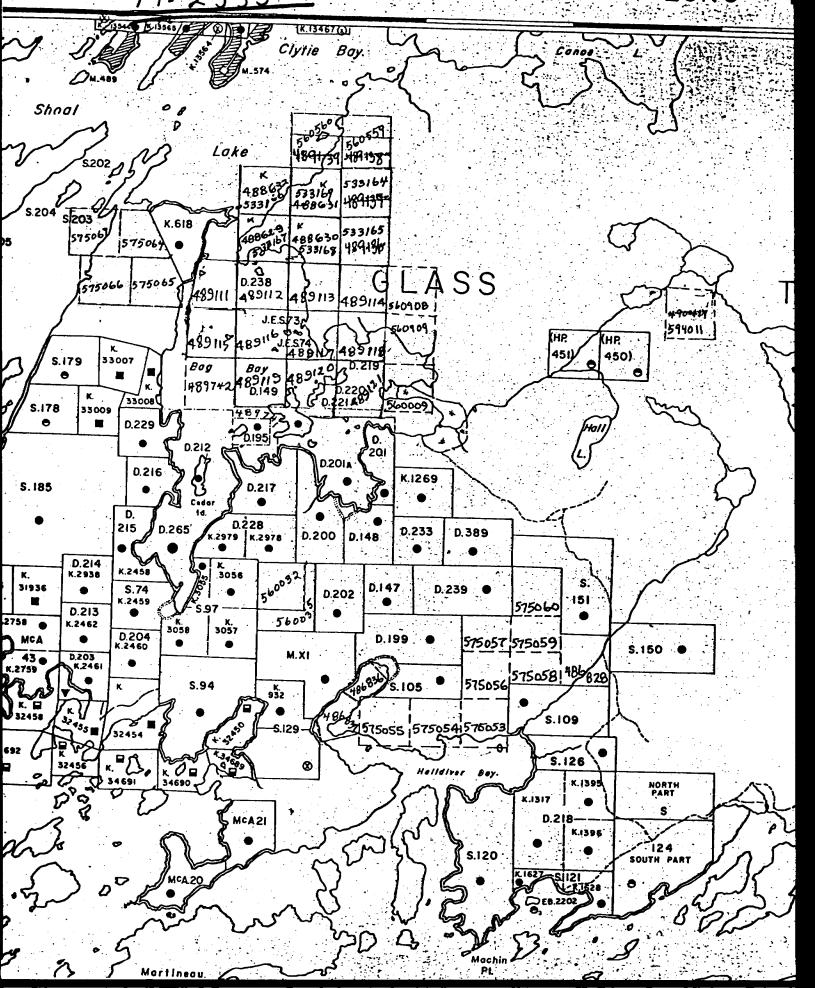
Ministry of

Ontario	. /	THE MINING A	CT REPORT OF	•	A separate form is equired for each ype of work to be ecorded.	10
To the Recorder	of Ken	ora	••••		Minina D	ivision
y	enison i	Mines Limi led Holder 1991 Bank 1 of 160	fed	A 2	3621	
,	name of Record	led Holder	~/	/ Prosi	pector's Licence	********
· <i>5</i> .9	7 × 40, KO	1991 Bank 1	P 0" - AH	ronte Ontal	10. MJJ2	K2
do hereby report	the performance	of 160	day	s of Electron	nagnetic Su	rvey
		on the following cor		,	type-of work	
Claim No.	Days	Claim No.	Days	Claim No.	Days	
K 5750641	40	************	*****	**********	*****	
(5750651	40					
<5750661	40	••••••	******	**********	******	
(575067/	40	**********	*****	**********	*****	
-3.7.20.47		*********	*****	**********	•••••	
•••••	•••••	************	•••••	*********	•••••	
•••••	•••••		•••••	************	•••••	
(in the case of g	jeological and/or	ning Claim (s) たば geophysical survey	(s) where more th	han 18 claims are in	volved attach a s	chedule)
KEAD CAKEFU	LLT: THE FOLL	OWING INFORMATIO	N IS REQUIRED B	Y THE MINING RECO	RDER.	
work was done. With each of the to the nearest c For Geophysical dates of survey maps, expenditur For Land Survey The Required In Author	Proof of actual c above types of a laim post. In the l, Geological, Ge (linecutting & o e breakdown, rec y - the name and a information is as	uipment. Name and a ost must be submitte work sketches are re case of diamond or ochemical Surveys a ffice). Type of inst eipts must be filed i address of Ontario L Follows: (Attac J: C: F: De Survey: Fee Used: Cvor	ed within 30 days equired to show to other core drilling the core drilling the core drilling to the core drilling	of recording. the location and exting the sketch must livedits - the name of tal amount of experithe Minister within pace is insufficient.	ent of the work in the submitted in different fauthor of report. Inditure. Technica 60 days of record	relation uplicate. Covering I reports, ing.
I, GYI Box hereby certify:	ly 11, 198 nen F. 7	The Certificate Ve	Mining Act	Chless	Holder or Agent	······
I. That		12 RIVE 1 0 %	office Address)	- 1	JUL 13	100.
2. That	I have a persona	(Post O (Post O I and intimate know) witnessed same duri art is true.	office Address) Ledge of the facts	set forth in the rep	JUL 13	100

575064

SHOAL LAKE

ECHO





Ministry of Natural Resources

Notification of recording

of assessment work credits

RECEIVED

JUL 201981

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

MINING LANDS SECTION

Date of recording of work: July 13, 1981		
Recorded holder: Denison Mines Lin	mite	d
Address: Box 40, Royal Bar	nk P	laza, Toronto, Ontario
Township or Area: Shoal Lake Area	M-2	339
Type of survey and number of Assessment days credit per claim		Mining claims
Geophysical		
Electromagnetic	ays	K.486828 K.575053-60 inclusive
Magnetometerc	days	
Radiometricc	days	
Induced polarizationc	days	
Section 86 (18)	Jays	
Geological 19	days	
Geochemical	ays	
Man days 🗌 Airborne		
Special provision 🗌 Ground		
Notice to recorded holder:		mo I
Survey reports and maps in duplicate be submated to the Lands Administration Branch, Toronto in 60 days from the date of recording of this varieties.	with-	Acting Mining recorder /
Reports and maps are being forwarded to the I	Lands	5

Sept 11



A separate form is required for each type of work to be recorded.

		1/2000	-				
	To the Recorder of	Kenor	a,	·,·····	•••••••	Mining Divi	
	1, Den	ison Mine	s Limited	,		ACHAGY AZ	362/
	Boxa	name of Recorded	Holder Bonk Pla	20, Tora	nto On	rospector's Licence	
		*	-/-C P G	st Office Addre	**. Ce	Magical	• • • • • • •
	do hereby report t	the performance of		days	i of	type of work	•••••
	not before reporte	d to be applied on	the following conti	guous claims			
	Claim No.	Days	Claim No.	Days	Claim No.	Days	
	<486828 ₁	10.2 19	K575058		***********	•••••	
K	(<u>\$.7505</u> 3	7.8.7. 19	K575059	15219	***********	******	
K	575054	75-719	K5750601	182 19	********	•••••	
K	5750551	76-719	•••••	*****	*********	•••••	
K	575056	70-219	********	******	**********		
K	575057	782.19					
	All the west was	• •	g Claim (s) .	tosabore	**********	*****	
	(In the case of ge	cological and/or ge	g Claim (s)) where more tha	ın 18 claims ar	e involved attach a sch	edule)
	READ CAREFUL	LY: THE FOLLOW	ING INFORMATION	IS REQUIRED BY	THE MINING RI	ECORDER.	
	•			_			
			ng up of Mines, Sin the work and the d			<u>ing Operations</u> — Name	es and
	For Diamond and	other Core Drilling	- Footage, No. ar	nd angle of hole:	s and diameter	of core. Name and addr	ess of
			en drilling was done Driven or Mechanic		g and sketch in	n duplicate.	
	Type of drill or e	quipment. Names a			erating equipme	ent and the dates and ho	ours of
	their employment.	ing - Type of equipr	ment. Name and add	ress of owner or	r operator. Amoi	unt expended. Dates on	which
	work was done. P	roof of actual cost	must be submitted	within 30 days	of recording.		
						extent of the work in re est be submitted in dup	
	For Geophysical,	Geological, Geoch	emical Surveys and	Expenditure Cr	edits - the name	e of author of report. Ċ xpenditure. Technical i	overing
	maps, expenditure	breakdown, receip	ts must be filed in	duplicate with tl	he Minister with	hin 60 days of recording	reports, g.
	For Land Survey	- the name and add	ress of Ontario Lan	id surveyor.	•		
		formation is as Fol		a list if this sp	ace is insuffici	ent)	
٠	Author of	Report: C.	F.Desson, P	. Ens.			
	Coverins da	te of Survey	: June 20 -	July 10,198	3/		
	THE EX	spenditure;	\$ 2683.80				
	10191 -						
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					\sim	1	
	Date Ju	14/1/81			(Skl	esso	
	Date	:/	••••••	Sig	nature of Reco	rded Holder or Agent	
						KENORA	i
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	.,		L RNer, O.	alasia P	00 1RA	JUL 1 3 198	
		(5.44,	Post Off	ice Address)	<u> </u>	₹ ∡;;	····
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			nd intimate knowled Inessed same during			report of work annealed	here-
		the annexed report		, er erier (f			
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	Dated July	<u> </u>	. S ./			**************************************	•••••
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Ministry of Natural Resources

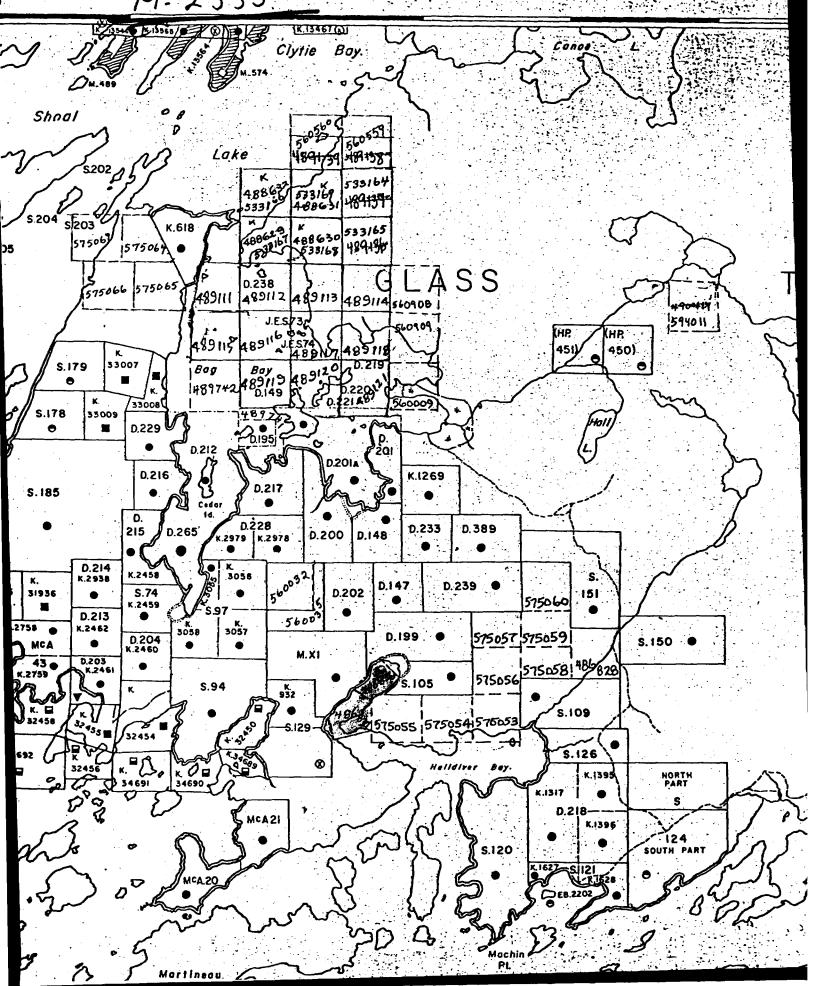
THE MINING ACT REPORT OF WORK

A separate form is required for each type of work to be recorded.

To the Recorder o	of Kenor	ra ,	···/····		Mining Division
	nison MI	nes Limit	^L ed	A 236.	2/
0	name of Recorded	Holder		Prospect	or's Licence
<u> </u>	(40, Koya	1 Gana F	1/024 10	rontu Ontario	MSJ ZFZ
lo hereby report t	the performance of	70	Post Office Add	Prospective on torio	ctric Survey
not before reporte	d to be applied or	n the following con	itiguous claims	1787	e or work
Claim No.	Days	Claim No.	Doys	Claim No.	Days
486836	20	•••••	•••••	•••••	•••••
86837	20	*********	*****	*********	*******
********	******	•••••	******	***********	******
	******	•••••	•••••	************	******
••••••	******	*************	,,,,,,,	************	•••••
		*********	*****	*********	*****
		ing Claim (s)K	11010310	1 decer	
				Other Actual Mining Ope	
				s of their employment.	,
				les and diameter of core	. Name and address of
				log and sketch in duplic	cate.
		r Driven or Mechan			
		and addresses of m	nen engaged in o	operating equipment and	the dates and hours of
heir employment. For Power Strippi		oment Name and a	ddress of owner	or operator. Amount exp	ended. Dates on which
		st must be submitte			one of - 11-0 J
With each of the o	above types of wo	ork sketches are re	equired to show	the location and extent	
				ing the sketch must be s	
or Geophysical,	Tipecutting & offi	hemical Surveys at	nd Expenditure	<u>Credits</u> - the name of aut otal amount of expendits	thor of report. Covering
aps, expenditure	breakdown, recei	pts must be filed in	n duplicate with	the Minister within 60 c	days of recording.
		dress of Ontario L			
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	<u>formation is as Fa</u>			space is insufficient)	
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701.101		-	1 11- 5	, 1981 and May	2 1981
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		7		Signature of Recorded Ho	older or Agent
		······································		Dignature of Recorded Ho	older or Agent
		The	Mining Act		ilder or Agent
\sim		The Certificate Ve			
Car	mer F.Z	The Certificate Ve	Mining Act		KENORA
	Men F.D	The Certificate Ver)esson	Mining Act rifying Report o	f Work	KENORA MINING DIV
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BOX		The Certificate Ver Sesson	Mining Act rifying Report o	f Work	KENORA MINING DIV.
\mathcal{B} o $ imes$	822, 8/11	The Certificate Ver Desison Pest O	Mining Act rifying Report of Partoria A Office Address)	Work OOR 180	KENORA MINING DIV. E U E I V E D JUL 131981
Box hereby certify: 1. That I	622, <i>B/11</i> I have a personal	The Certificate Ver)esson (Post 0	Mining Act rifying Report of Artoria A Office Address)	f Work OOR 180 AM As set forth in the e700	KENORA MINING DIV. E U E I V E D JUL 131981
Box hereby certify: 1. That I to, having perfore	622, <i>B/11</i> I have a personal	The Certificate Ver)esson Post O (Post O and intimate knowle itnessed same duri	Mining Act rifying Report of Artoria A Office Address)	f Work OOR 180 AM As set forth in the e700	KENORA MINING DIV. E U E I V E D JUL 131981

SHOAL LAKE

ECHO



2.4145

1983 08 29

Resident Geologist
Ministry of Natural Resources
Box 5160
Kenora, Ontario
P9N 3X9

Dear Sir:

RE: Geophysical (Electromagnetic and Magnetometer)
Geològical and Geochemical survey on mining claims
K 686828 et al in the Township of Glaso

Further to my letter of September 22, 1981, which acknowledged receipt of the above survey, the data has not been assessed as the Recorded Holder is no longer interested in the property and has decided to let the claims lapse.

Enclosed is a copy of the survey report and maps for your information.

Yours very truly,

E.F. Anderson Director Land Management Branch

Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3 Phone: (416)965-1380

Encl.

A. Barr:mc

cc: Denison Mines Limited Suite 3900, South Tower P.O. Box 40 Royal Bank Plaza Toronto, Ontario M5J 2K2 cc: Mining Recorder Kenora, Ontario 1983 08 29

2.4145

Mr. Wade Mathew
Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5160
Kenora, Ontario
P9N 3X9

Dear Sir:

Denison Mines Limited recorded 19 days Geological assessment work credits on each of mining claims K 486828, K 575053 to K 575060 inclusive on July 13, 1981.

The Recorded holder is no longer interested in the property and has decided to let the claims lapse.

You are hereby authorized to delete the work credits recorded on July 13, 1981 from each of the claim record sheets. Please inform the recorded holder accordingly.

Yours very truly,

E.F. Anderson Director Land Management Branch

Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3 Phone: (416)965-1380

A. Barr:mc

cc: Denison Mines Limited
Suite 3900, South Tower
P.O. Box 40
Royal Bank Plaza
Toronto, Ontario
M5J 2K2

1983 08 29

Mr. Wade Mathew
Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5160
Kenora, Ontario
P9N 3X9

Dear Sir:

Denison Mines Limited recorded 40 days Electromagnetic and 20 days Magnetometer assessment work credits on each of mining claims K 575064 to 67 inclusive on July 13, 1981.

The Recorded holder is no longer interested in the property and has decided to let the claims lapse.

You are hereby authorized to delete the work credits recorded on July 13, 1981 from each of the claim record sheets. Please inform the recorded holder accordingly.

Yours very truly,

E.F. Anderson Director Land Management Branch

Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3 Phone: (416)965-1380

A. Barr:mc

cc: Denison Mines Limited
Suite 3900, South Tower
P.O. Box 40
Royal Bank Plaza
Toronto, Ontario
M5J 2K2

1983 08 29

2.4145

Mr. Wade Mathew
Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5160
Kenora, Ontario
P9N 3X9

Dear Sir:

Denison Mines Limited recorded 20 days Geological assessment work credits on each of mining claims K 486828, K 575050 to K 575060 inclusive on July 13, 1981.

The Recorded holder is no longer interested in the property and has decided to let the claims lapse.

You are hereby authorized to delete the work credits recorded on July 13, 1981 from each of the claim record sheets. Please inform the recorded holder accordingly.

Yours very truly,

E.F. Anderson Director Land Management Branch

Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3 Phone: (416)965-1380

A. Barr:mc

cc: Denison Mines Limited
Suite 3900, South Tower
P.O. Box 40
Royal Bank Plaza
Toronto, Ontario
M5J 2K2

1983 08 29

Mr. Wade Mathew
Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5160
Kenora, Ontario
P9N 3X9

Dear Sir:

Denison Mines Limited recorded 18 days Geochemical assessment work credits on each of mining claims K 560032 and K 560035 on July 13, 1981.

The Recorded holder is no longer interested in the property and has decided to let thesclaims lapse.

You are hereby authorized to delete the work credits recorded on July 13, 1981 from each of the claim record sheets. Please inform the recorded holder accordingly.

Yours very truly,

E.F. Anderson Director Land Management Branch

Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3 Phone: (416)965-1380

A. Barr:mc

cc: Denison Mines Limited
Suite 3900, South Tower
P.O. Box 40
Royal Bank Plaza
Toronto, Ontario
M5J 2K2

1983 08 29 2.4145

Mr. Wade Mathew
Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5160
Kenora, Ontario
P9N 3X9

Dear Sir:

Denison Mines Limited recorded 40 days Electromagnetic, 20 days Geochemical and 20 days Magnetometer assessment work credits on each of mining Claims K 560032 and K 560035 on July 13, 1981.

The Recorded holder is no longer interested in the property and has decided to let the claims lapse.

You are hereby authorized to delete the work credits recorded on July 13, 1981 from each of the claim record sheets. Please inform the recorded holder accordingly.

Yours very truly,

E.F. Anderson Director Land Management Branch

Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3 Phone: (416)965-1380

A. Barr:mc

cc: Denison Mines Limited
Suite 3900, South Tower
P.O. Box 40
Royal Bank Plaza
Toronto, Ontario
M5J 2K2

1983 08 29

Mr. Wade Mathew
Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5160
Kenora, Ontario
P9N 3X9

Dear Sir:

Denison Mines Limited recorded 40 days Electromagnetic and 20 days Magnetometer assessment work credits on each of mining claims K 486828, K 486836-37, K 575053 to K 575060 inclusive on July 13, 1981.

The Recorded holder is no longer interested in the property and has decided to let the claims lapse.

You are hereby authorized to delete the work credits recorded on July 13, 1981 from each of the claim record sheets. Please inform the recorded holder accordingly.

Yours very truly,

E.F. Anderson Director Land Management Branch

Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3 Phone: (416)965-1380

A. Barr:mc

Denison Mines Limited Suite 3900, South Tower P.O. Box 40 Royal Bank Plaza Toronto, Ontario M5J 2K2



Ministry of Natural Resources

Notification of recording

of assessment work credits

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

RECEIVED

JUL 2 4 1981

MINING LANDS SECTION

Date	of recording of work:	July 13/81		
Red	corded holder:	Denison Mines	Limi	ted
	Address:	Box 40, Royal	Banl	R Plaza, Toronto, Ontario
Tow	rnship or Area:	Shoal Lake Are	ea 1	4-2339
		and number of s credit per claim		Mining claims
G	eophysical			
E	lectromagnetic	40	_days	K. 486828 K. 486836-37
N	Magnetometer	20	_days	K.575053-60 inclusive
R	ladiometric	-	_days	
l Ir	nduced polarization		_days	
Se	ection 86 (18)		_days	
G	eological		_days	
G	eochemical		_days	
	Man days	Airborne		
	Special provision	Ground		
Not	tice to recorded hold	der:		
X	Survey reports and ma to the Lands Administ in 60 days from the da	ration Branch, Toront	to with	Acting Mining recorder /
	Reports and maps are Administration Branch	-	e Land	

Sepril

DENISON MINES LIMITED



SUITE 3900, SOUTH TOWER
P.O. BOX 40

ROYAL BANK PLAZA TORONTO, ONTARIO, CANADA M5J 2K2 TEL. 416-865-1991 TELEX 065-24135

August 22, 1983.

Mr. F. W. Matthews, Land Management Branch, Whitney Block, Room 6450, Queen's Park, Toronto, Ontario. M7A 1W3

Your File: 2.4145

Our File: MIKADO 52E/10

Dear Mr. Matthews:

Subject: Mining Claims K-486828 et al in the Township of Glass.

This will acknowledge your letter of August 19, 1983.

Please be advised that Denison Mines Limited does not wish to maintain 17 mining claims Nos. K-486828, 36 and 37, K-560032 and 35, K-575053 to 60 and 64 to 67, and therefore, does not have any objection to cancellation of the work credits recorded on July 13, 1981. The claims can be allowed to lapse.

Thank you.

Yours very truly,

DENISON MINES LIMITED

M. Kustka,

Land Administrator.

MK:dw

RECEIVED

555 8 3 1983

MINING LANDS SECTION

1983 08 19

Denison Mines Limited
P. 0. Box 40
Suite 3900
Royal Bank Plaza, S. Tower
Toronto, Ontario
M5J 2K2

Dear Sir:

RE: Geophysical (Electromagnetic and Magnetometer)
Geological and Geochemical surveys on mining claims
K 486828 et al in the Township of Glass

Enclosed are copies of our letters dated February 11, 1982 and July 4, 1983 addressed to C. F. Desson, Blind River.

It has come to our attention that when the electromagnetic and geology maps were returned to C. F. Desson under letter dated February 11, 1982, the Geochemical plan (in duplicate) was included. Also, one of the Magnetometer plans, drawing no. 1:0 was returned instead of Electromagnetic plan drawing no. 3:1. Enclosed is the Electromagnetic plan.

May we please have a reply to our previous letter.

On the Magnetometer plans there are three different scales used. Please clarify which is the correct one. Also we will require an Assessment Work Breakdown as there are less than forty readings per claim.

For further information, please contact Mr. F. W. Matthews.at 416/96501380.

Yours very truly,

E. F. Anderson Director Land Management Branch Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3 Telephone: (416) 965-1380

S. Hurst:em

cc: Mining Recorder

C.F. Desson 1 Rousseau Crescent Blind River, Ontario POR 1BO

Dear Sir:

RE:

Geophysical (Electromagnetic & Magnetometer)
Geological and Geochemical Survey submitted
on Mining Claims K 486828 et al in the Township
of Glass

Enclosed is a copy of our letter dated February 11, 1982, requesting additional information for the above mentioned survey.

Unless you can provide the required data by July 11, 1983, the mining recorder will be directed to cancel the work credits recorded on July 13, 1981.

For further information, please contact Mr. F.W. Matthews at 416/965-1380.

Yours very truly,

E.F. Anderson Director Land Management Branch

Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3 Phone: 416/965-1380

A. Barr:sc

Escis:

cc: Mining Recorder

Kirkland Lake. Ontario

assess for geoclem + mag.

jancel geology & EM.

February 11, 1982

C.F. Desson 1 Rousseau Crescent Blind River, Ontario POR 1B0

Dear Sir:

Re: Geophysical (Electromagnetic and Magnetometer), Geological and Geochemical Surveys submitted on Mining Claims K.486828 et al in the Township of Glass.

Enclosed are the EM. and Geological maps, in duplicate, for the above-mentioned Surveys. In order to complete your submission, please provide the following information to this office:

a) M. maps must show all raw data

b) Geology maps must have the outcrops designated by colour and number corresponding to the rock type as listed in the legend

c) All certificates of analysis for all samples taken.

For further infurmation, please contact Mr. F.W. Matthews at 416/965-1380.

Yours very truly,

E.F. Anderson Director Land Management Branch

Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3

A. Barr/bk

Encl.

ce: Mining Recorder Kenora, Ontario



GEOTECHNICAL REPORT APPROVAL

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MINING LANDS COMMENTS:	phylish garagion	
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GEOPHYSICS M. Barlow.		
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DATE: (10/8/	APPROVED	
SIGNATURE: 12. 13. Co	WISH TO SEE AGAIN WITH CO	RREC
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GEOLOGY - EXPENDITURES 77. K	ha	√,
GEOLOGY - EXPENDITURES Mr. Ka		
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DATE: Dec 3/81		
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DATE: Dec 3/87 SIGNATURE: Chustra GEOCHEMISTRY The Momson.	APPROVED APPROVED APPROVED	

RETURN TO F. W. MAT THEWS, ROOM 6452 WHITNEY BLOCK (5-1380)

1981 09 22 2.4145

Mining Recorder's Office Ministry of Natural Resources 808 Robertson Street, Kenora, Ontario P9N 3X7

Deza Sir;

We have received a Geophysical (Electromagnetic and Magnetometer), a Geological and Geochemical survey submitted under Special Provisions (credit for Performance and Coverage) on mining claims K 486828 et al in the Township of Glass.

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

Yours very truly

E.F. Anderson Director Land Management Branch

Whitney Block, Room 6450 Queen's Park Toronto, Ontarão M7A 1W3 Phone 416/965-1380

Boan Skura

cc: Denáson Mines Limited Toronto, Ontario

> C.F. Desson Blind River, Ontario

OFFICE USE ONLY



Ministry of Natural Resources

Willistry Of Hatural Nesources

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.

RECEIVED WITH THE PROPERTY OF	SEP 2 1 1981	NING LANDS SECTION
		₹

File_

Township or Area Glass Twp. Claim Holder(s) Denison Mines Limited, Box 40, Royal Bank Plaza, Toronto, Ontario, M5J 2K2. Survey Company Company Personnel Author of Report C.F. Desson Address of Author 1 Rousseau Cres. Blind River, Ontario. Covering Dates of Survey Feb. 17-Mar. 15: May 2-July 10, 1981 (Inecuting to office) SPECIAL PROVISIONS CREDITS REQUESTED ENTER 40 days (includes line cutting) for first survey. ENTER 20 days for each additional survey using same grid. AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys) Magnetometer Electromagnetic Radiometric (enter days per claim) DATE: Aug. 20, 1981 SIGNATURE: Author of Report or Agent Res. Gool. Qualifications Total Miles of Line Cut. SPECIAL PROVISIONS CREDITS (Special provision credits do not apply to airborne surveys) Magnetometer Electromagnetic Radiometric (enter days per claim) DATE: Aug. 20, 1981 SIGNATURE: Author of Report or Agent Res. Gool. Qualifications Claim Holder MINNIG CLAIMS TRAVERSED K. 486828 R. 486828 R	Type of Survey(s) Electromagn	etic, Magnetometric, Geological	
Claim Holder(s) Denison Mines Limited, Box 40, Royal Bank Plaza, Toronto, Ontario, M5J 2K2. Survey Company Company Personnel Author of Report C.F., Desson Address of Author 1 Rousseau Cres. Blind River, Ontario. Covering Dates of Survey, Feb. 17-Mar. 15: May 2-July 10, 1981 Covering Dates of Survey, Feb. 17-Mar. 15: May 2-July 10, 1981 Covering Dates of Survey, Feb. 17-Mar. 15: May 2-July 10, 1981 SPECIAL PROVISIONS CREDITS REQUESTED Geophysical ENTER 40 days (includes line cutting) for first survey. ENTER 20 days for each additional survey using same grid. Geochemical AIRBORNE CREDITS (Special provision credits do not apply to airborne survey) Magnetometer Electromagnetic Radiometric (enter days per claim) AURBORNE CREDITS (Special provision credits do not apply to airborne survey) Magnetometer Electromagnetic Radiometric (enter days per claim) Author of Report or Agent Res. Geol. Qualifications Claim Holder			MINING CLAIMS TRAVERSED
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Author of Report C.F. Desson OR 180 Address of Author 1 Rousseau Cres. Blind River, Onterio. Covering Dates of Survey Feb. 17-Mar. 15; May 2-July 10, 1981 (Innecuting to office) Total Miles of Line Cut SPECIAL PROVISIONS CREDITS REQUESTED Geophysical ENTER 40 days (includes line cutting) for first survey. ENTER 20 days for each additional survey using same grid. AIRBORNE CREDITS (Special provision credits do not apply to airborne survey) Magnetometer Electromagnetic Center days per daim) DATE: Aug. 20, 1981 SIGNATURE: Author of Report or Agent Claim Holder (prefix) (prefix)	Plaza, Toro	nto, Ontario, M5J 2K2.	
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ENTER 20 days for each additional survey using Geological Same grid. Geochemical K 575059 AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys) Magnetometer Electromagnetic Radiometric (enter days per claim) DATE: Aug. 20, 1981 SIGNATURE: Author of Report or Agent Res. Geol. Qualifications 6 3, 1558 Previous Surveys File No. Type Date Claim Holder	line cutting) for first	ľ	57.5057
additional survey using same grid. Geological Geochemical K 575059 AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys) Magnetometer Electromagnetic Radiometric (enter days per claim) DATE: Aug 20, 1981 SIGNATURE: Author of Report or Agent Res. Geol. Qualifications 5 8 Previous Surveys File No. Type Date Claim Holder	•		57.5058
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File No. Type Date Claim Holder	Previous Surveys		
		Claim Holder	
		Y	
TOTAL CLAIMS			
			TOTAL CLAIMS 11

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

		•	, ,,	
N	lumber of Stations _	219	Number of Readings _	219 VLF-EM 222 Mag.
		100 feet		
P	rofile scale	1 in = 20 ⁰	Dine spacing	
		1000 gammas		
_		Scintrex Fluxgate Model		
ETIC	Instrument	Exploranium Unimag Proto		
		onstant <u>Unimag 10 gammas (s</u>		
	•	method Timed readings	,	
₹ V		in interval (hours) 1 hour 15 s		
4		on and value Unimag 150'SN c		
		ine 00, 28 + 00N 58310		- ·
O	Instrument _ Crone	Radem VLF-EM		
ELECTROMAGNETIC	Coil configuration.			
S	Coil separation	<u></u>		
MA	Accuracy	20/scale division (Read t	:o 1 ⁰)	
IRC	Method:	☑ Fixed transmitter	☐ Shoot back ☐ In lir	ne 🗆 Parallel line
EC	Frequency 18.6	KHZ Seattle, Washington, L	I.S.A.	
回		d <u>dip angle of resultant</u>		
	Instrument			
	Scale constant			
Ţ	Corrections made_			
GRAVITY				
3	Base station value a	nd location		
	Elevation accuracy			
	Instrument			
	Method Time	Domain	☐ Frequency Do	main
	Parameters - On ti	me	Frequency	
RESISTIVITY	- Off ti	me	Range	
	– Delay	time		
IST	— Integ	ration time		
SES	Power			And the second s
	Electrode array			
	Electrode spacing _			
	Type of electrode			

INDUCED POLARIZATION

SELF POTENTIAL	
	Range
Survey Method	
Corrections made	
RADIOMETRIC	
RADIOMETRIC .	
Values measured	
Energy windows (levels)	
Height of instrument	Background Count
Size of detector	
Overburden	
	(type, depth — include outcrop map)
OTHERS (SEISMIC, DRILL WE	LL LOGGING ETC)
Instrument	
Accuracy	
Parameters measured	
Additional information (for unde	erstanding results)
	,
AIDDODAIC CHDAICAC	
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 recover	ery 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)	nnm i i
Average Sample Weight	p. p. b. \square
Method of Collection	Cu, Pb, Zn, Ni, Co, 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	Extraction Method
	Analytical Method
	Reagents Used
	General
General	
	
	

OFFICE USE ONLY



Ministry of Natural Resources

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.

The Flect	romagnetic, Magnetometric, Geoc	hemical
- ypo or our ve) (0)		THE STATE OF THE S
Claim Holder(s) Denis	on Mines Limited, Box 40, Bank Plaza, to, Ontario, M5J 2K2.	MINING CLAIMS TRAVERSED List numerically
	ny Employees	K
, -	Desson	(prenx) (number)
•	sseau Cres., Blind River, Ontar	K 560035
	oct. 20 - Aug. 15, 1981 (linecutting to office)	
Total Miles of Line Cut1	.34	
	Magnetometer20 Radiometric	
G	(enter days per claim)	
DATE: Aug. 15, 1981	Author of Report or Agen	t
Previous Surveys	_Qualifications	
File No. Type I	Date Claim Holder	
	L.D	
		TOTAL CLAIMS 2

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS -- If more than one survey, specify data for each type of survey 146 Number of Stations _____Number of Readings _ Station interval 100 feet Geophysical Line spacing 400' Profile scale $1 \text{ in = } 20^{\circ}$ Contour interval 1000 gammas Instrument Exploranium Proton Precession Model G-816 Accuracy - Scale constant 10 (scalar total field readout) Diurnal correction method <u>Timed readings</u>. <u>Base control station</u>. <u>Additional control stations</u> on base line Base Station check-in interval (hours) 1 hr 15 min or less Base Station location and value Base Line B at 00 36 + 00N Value 60073 gammas Instrument Crone Radem VLF-EM ELECTROMAGNETIC Coil configuration _____ Coil separation _____ Accuracy 2° per scale division (Read to 1°) ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line Method: Frequency Seattle, Washington, U.S.A. - 18.6 KHZ (specify V.L.F. station) Parameters measured Dip angle of resultant field Instrument _____ Scale constant GRAVITY Corrections made _____ Base station value and location _____ Elevation accuracy_____ Instrument _____ ☐ Frequency Domain Parameters - On time ______ Frequency _____ - Off time ______ Range _____ - Delay time ___ - Integration time Power ____ Electrode array Electrode spacing

Type of electrode _____

INDUCED POLARIZATION

SELF POTENTIAL	
	Range
Survey Method	
Corrections made	
RADIOMETRIC	
Instrument	
Values measured	
Energy windows (levels)	
Height of instrument	Background Count
Size of detector	
Overburden	
(typ	pe, depth — include outcrop map)
OTHERS (SEISMIC, DRILL WELL LOGGING Type of survey	•
Instrument	
Accuracy	
Parameters measured	
Additional information (for understanding resu	ults)
AIRBORNE SURVEYS	
Type of survey(s)	
Instrument(s)	
(spe	ecify for each type of survey)
Accuracy(spe	ecify 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

Total Number of Samples 107	ANALYTICAL METHODS
Type of Sample Leaf mould (Nature of Material) Average Sample Weight 6 oz	Values expressed in: per cent
Method of Collection Brush of twigs, etc. w/gloved hand. Sample 3/8" † leaf mould Soil Horizon Sampled Top of A0	Cu, Pb, Zn, Ni, Co, Ag, Mo, As, (circle) Others Au
Horizon Development Sample Depth Hilly	Field Analysis (tests) Extraction Method Analytical MethodX Reagents Used
Drainage Development Estimated Range of Overburden Thickness_0.201	Field Laboratory Analysis No. (tests) Extraction Method Analytical Method Reagents Used
SAMPLE PREPARATION (Includes drying, screening, crushing, ashing) Mesh size of fraction used for analysis Samples dried, blended and pressed into small briquette	Commercial Laboratory (All tests) Name of Laboratory 6 Key Labs.Don Mills, 0 Technical Service Labs. Extraction Method Miss, Ont Analytical Method Neutron Activation Reagents Used None
General Samples inserted in brown Kraft paper bags and hung to dry in heated shack before being sent to analytical lab.	General Samples submitted to the analytical laboratories as listed for preparation. I believe that they in turn send the briquett to McMaster University reactor laboratory for the actual analyses in ppb by neutron

Ontario

Ministry of Natural Resources

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.

Township or	AreaGlas	s Twp.	Limited, Box 40,		MS TRAVERSED merically
			aza, Toronto, Ontario, M5J2K2.		•
Survey Com	pany Comp	any Employ	/ees	К	575064 ~
Author of Re				(prefix) K	(number) 575065
	-		es. Blind River, Ont.	••••••	*************************
			-Mar.15, May 2 Aug.1-15-20,81	K	575066
Total Miles o			(linecutting to office)	K	575067 🗸
ENTER 40 line cutting survey. ENTER 20 additional same grid. AIRBORNE Magnetometer	0 days for e survey usin	IED ludes each ng (Special provision	Geophysical Electromagnetic 40 Magnetometer 20 Radiometric Other Geological Geochemical ion credits do not apply to airborne surveys) setic Radiometric ays per claim) TURE: Author of Report or Agent		
Res. Geol		Qualifi	ications		
Previous Sur		Dota	Claim Holder		
File No.	Туре	Date	Claim Holder		•••••••
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	J			TOTAL CLAIMS	4

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey Number of Stations _____134 _____Number of Readings 272 Station interval 100 feet Line spacing 400 feet Profile scale $1 \text{ in} = 20^{\circ}$ Contour interval 1000 gammas Instrument Exploranium Unimag Model G-836 Accuracy — Scale constant 10 gamma accuracy Diurnal correction method <u>timed readings</u> Base Station check-in interval (hours) 1 hour 15 mins. (max) Base Station location and value Base Line 0 + 00 59340 gammas Instrument Crone Radem VLF-EM ELECTROMAGNETIC Coil configuration _____ Coil separation ___ Accuracy 20/scale division (read to 10) ☐ Shoot back ☐ In line X Fixed transmitter ☐ Parallel line Frequency 18.6 KHZ, Seattle, Washington, U.S.A. (specify V.L.F. station) Parameters measured dip angle of resultant field Instrument _____ Scale constant _____ GRAVITY Corrections made Base station value and location _____ Elevation accuracy___ Instrument _____ ☐ Frequency Domain Method Time Domain Parameters - On time ______ Frequency _____ - Off time _____ Range _____ - Delay time _____ - Integration time _____ Electrode array Electrode spacing

INDUCED POLARIZATION

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	
(ty)	pe, depth — include outcrop map)
OTHERS (SEISMIC, DRILL WELL LOGGIN	G ETC.)
Type of survey	•
Instrument	
Accuracy	
Parameters measured	
Additional information (for understanding res	ults)
	,
AIRBORNE SURVEYS	
Type of survey(s)	
Instrument(s)	
(sp	ecify for each type of survey)
Accuracy(sp	ecify for each type of survey)
Aircraft used	
Sensor altitude	
Navigation and flight path recovery method	<u> </u>
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	ANALYTICAL METHODS		
Type of Sample (Nature of Material) Average Sample Weight		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			tests
	Extraction Method		
	Analytical Method		
	Reagents Used		
SAMPLE PREPARATION			
(Includes drying, screening, crushing, ashing)	Commercial Laboratory (_		•
Mesh size of fraction used for analysis	Name of Laboratory		
	Extraction Method		
	Analytical Method		
	Reagents Used		
General	General		
			
		<u>,</u>	
	_		
			V (***
			

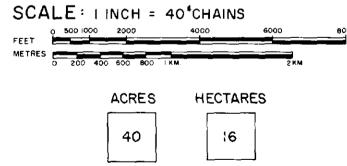
NOTES 400' surface rights reservation along the shores BAY and BOYS TP. M_1949 of all lakes and rivers. 94°45'00" Flooding Rights reserved to 1064' mean sea level. Islands in Shoal Lake and inlets thereto do not form part of Glass Township E.264 E.270 AKE Mc. Lauchin Lake SHOAL SNOWSHOE Lake 94°45'00" M.2682 MONUMENT BAY (Lake of the Woods) 495 944

DATE OF ISSUE OCT 1 7 1981 Ministry of Natural Resources TORONTO

LEGEND HIGHWAY AND ROUTE No. OTHER ROADS SURVEYED LINES: TOWNSHIPS, BASE LINES, ETC. LOTS, MINING CLAIMS, PARCELS, ETC. UNSURVEYED LINES: LOT LINES PARCEL BOUNDARY MINING CLAIMS ETC. _____ RAILWAY AND RIGHT OF WAY UTILITY LINES ---NON-PERENNIAL STREAM FLOODING OR FLOODING RIGHTS SUBDIVISION ORIGINAL SHORELINE MARSH OR MUSKEG MINES

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBO
PATENT, SURFACE & MIN	ING RIGHTS
" SURFACE RIGHT:	S ONLY
" MINING RIGHTS	ONLY
LEASE, SURFACE & MINI	NG RIGHTS
" SURFACE RIGHT	s only
" MINING RIGHTS	ONLY
LICENCE OF OCCUPATION	·
CROWN LAND SALE	
ORDER-IN-COUNCIL	c
RESERVATION	
CANCELLED	
SAND & GRAVEL	
1	



AREA

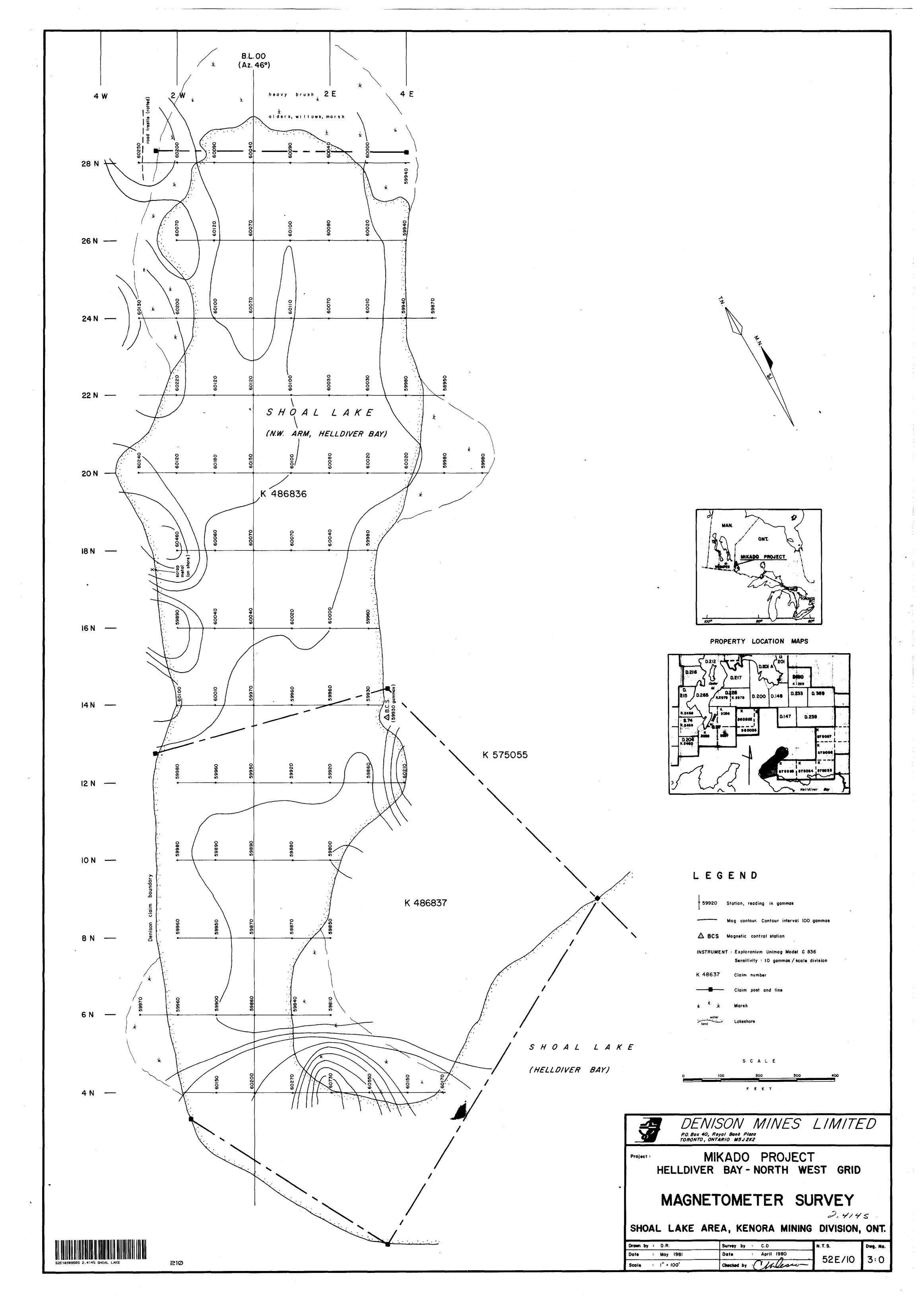
SHOAL LAKE

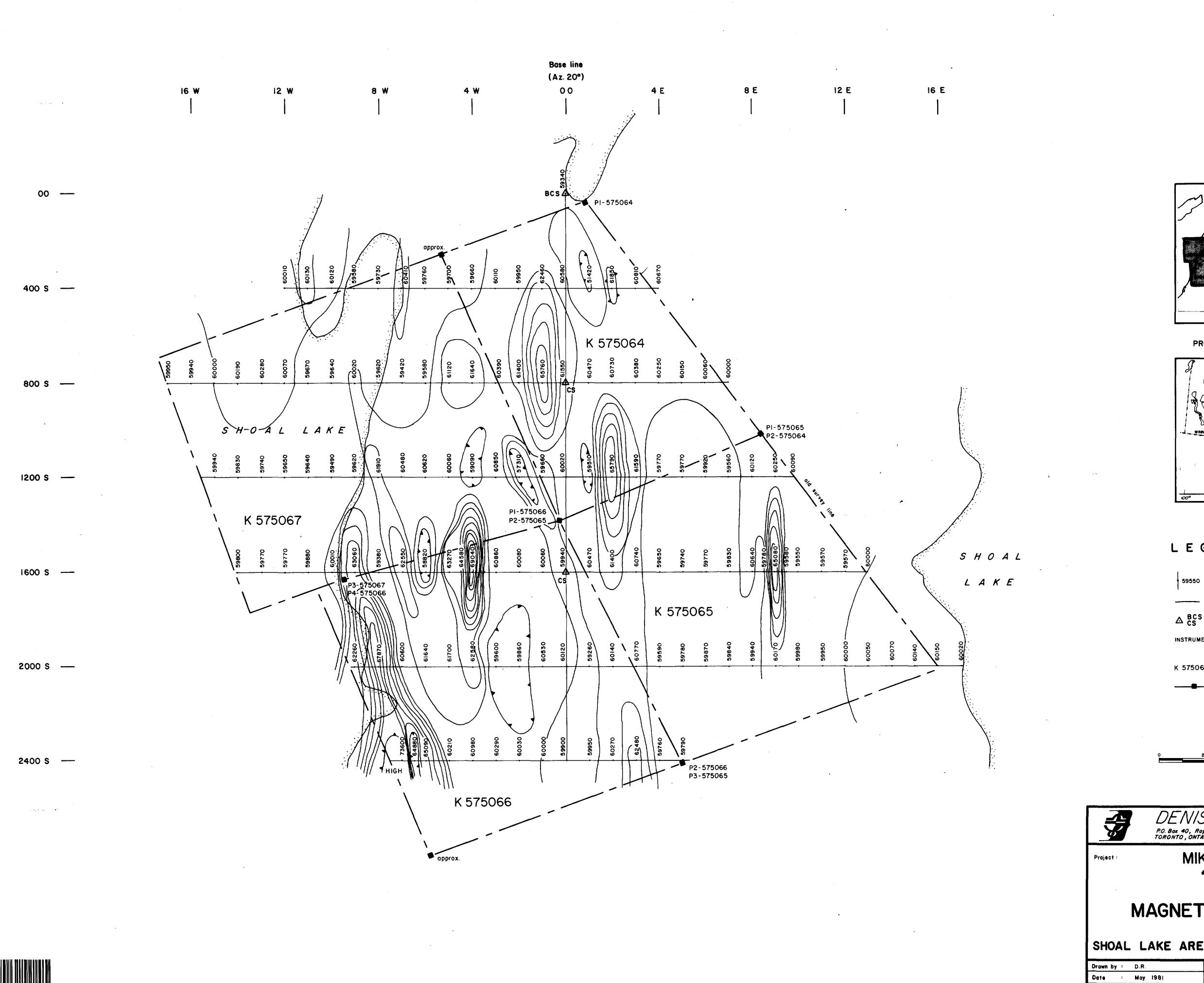
DISTRICT KENORA

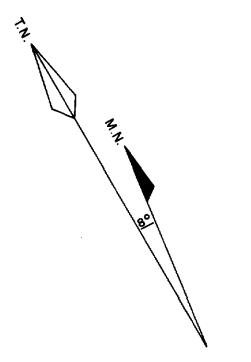
MINING DIVISION KENORA

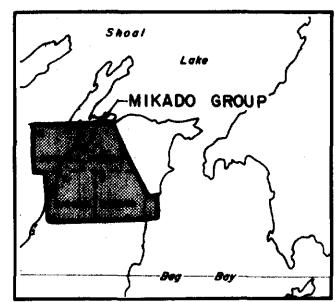
ONTARIO MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

DATE 10th SEPTEMBER /73 PLAN No.

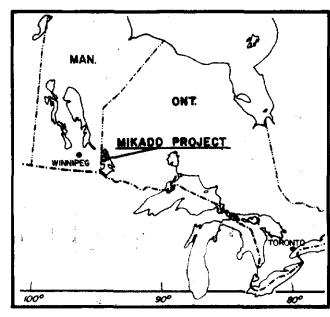








PROPERTY LOCATION MAPS



LEGEND

Mag contour. Contour interval 1000 gamma

△ BCS Magnetic control station

INSTRUMENT: Exploranium Unimag Model G 836
Sensitivity: 10 gammas/scale division

K 575066 Claim number

— Claim post and line

DENISON MINES LIMITED
P.O. BOX 40, ROYAL BANK PLAZA
TORONTO, ONTARIO MSJ 2K2

MIKADO PROJECT 4 CLAIM GRID

F E E T

MAGNETOMETER SURVEY

SHOAL LAKE AREA, KENORA MINING DIVISION, ONT.

Drawn by :	D.R.	Survey by : C.D.	N. T. S.	Dwg. No
Date :	May 1981	Date : April 1981	52E/I0	1.0
Scale :	l" = 200'	Checked by : Wesso	326/10	1:0

