

Rep

1987 LINE CUTTING AND GEOPHYSICAL SURVEYS

Turnbull Twp. Ont.

For

DELBRIDGE MINES LTD.



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DRAWINGS (IN POCKETS)

N. E. Sheet

RECEIVED

JUL 22 1988

MINING LANDS SECTION

N. W. Sheet

MAGNETOMETER SURVEY............Dwg. S 88-1 VLF-E.M. SURVEY (Profiles)......Dwg. S 88-3 VLF-E.M. SURVEY (Fraser Filter)....Dwg. S 88-2

Ralph V. Stewart, B.Sc., P.Geol., F.G.A.C.

March 25, 1988

2.8622.



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Turnbull Twp. Ont.

For

DELBRIDGE MINES LTD.



42A05NE0146 2.11418 TURNBULL

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SUMMARY

The line cutting and geophysical surveys for 1987 were completed by Mike McIssac, with the plotting and interpretation of results completed by the writer. The following tabulation summarizes the periods of work:

Are	ea Pro	ject	Approximate Dates
N. E. She		ng (13.5 Miles); er & VLF-EM	Jan. 15-Feb. 15/87; <u>&</u> May 15 -Aug. 15/87.
N. W. She		ng (12.5 Miles); er & VLF-EM	Aug. 15-Oct.1, 1987.
N. E. She	•	nd Interpretation esults(R. Stewart)	Sept. 15 -30, 1987.
N. W. She		nd Interpretation esults(R. Stewart)	Feb. 1-March 1 1988.

In summary, the following two VLF anomalies may represent 'structural breaks', close to and possibly associated with auriferous quartz veins. These two conductors are designated as Anomaly C (N. E. Sheet), and Anomaly H (N. W. Sheet). They are described in somewhat more detail in the 'Analysis And Interpretation Section' below.

DESCRIPTION OF 1987 SURVEYS

The control baseline used for these surveys was an extension of the one used for the 'South Sheet', extended to L 104 North. Lines were cut every four hundred feet, both east and west to cover the N.E. and N.W. Blocks. Pickets were placed along the lines at 100' intervals, and 'tie lines' were also used as control.

The magnetic survey was completed using a Proton Precession Instrument, and distances between readings were generally 100', except in areas of higher gamma intensity where the readings

were anomalous, and then the 'spacing' was reduced to 50'. A base station for survey control was established at base line picket 36+00 North. The VLF survey was completed using a Geonics E M 16 Instrument, and readings were taken at 100' spacings along each line. Plans showing the Profiles and Fraser Filter data are contained at the back of this report.

ANALYSIS AND INTERPRETATION OF DATA

The following comments relate to the anomalies shown on the accompanying geophysical plans:

N. E. Sheet

Anomaly

Comments

A

This anomaly has a moderate response, and is located topographically along a north-south associated trending creek. with ground. There is no associated magnetic response and it does not appear to reflect geological contacts or structures. anomaly is probably caused 'swampy' bу conductive overburden conditions, below and in the immediate vicinity of the creek.

В

This anomaly has a weak response, and may reflect the geological contact between intrusive (granodiorite), and gabbroic rocks. A north-south trending dyke, (interpreted from previous government surveys) may also contribute to the anomaly. Pending detailed mapping, the area adjacent this anomaly appears to be a favorable for additional prospecting.

C

This may represent a faulted extension of anomaly B, and appears to reflect the geological contact between felsic intrusives north of line 80N, and an interpreted diabase dyke south of this line.

W. E. Sheet

Anomaly

Comments

С

Geological mapping between Line 76N and 78N, has defined a system of mineralized quartz veins, probably related to this structural break. Additional prospecting and exploration should be completed north of Line 76N, immediately west of the anomaly.

D

This is a moderate to weak anomaly, which follows a discreet 'magnetic low'. There are no rock exposures and it appears to be caused by 'deeper' conductive overburden.

E,F,G

These three anomalies appear to be associated with topographic features (swampy ground) and do not have any economic significance.

N. W. Sheet

Anomaly

Comments

Н

This appears to be the most significant anomaly on this sheet. It is interpreted to be a structural 'fault zone'in bedrock. It is interesting to note that the prominent quartz vein system on Line 96N, strikes to the southeast toward a mineralized vein on Line 88N-20W. The area between these two veins is 'overburden covered', but it is possible that a line joining these two veins may represent a 'tangential off-shoot' from VLF anomaly H-H1, and therefore have economic implications.

Ι

This one appears to correspond to an area of slightly elevated magnetic readings, and may represent a contact fault. The area has not been geologically mapped to date.

J

This anomaly has a moderate response and in general occupies an area of low magnetic readings, indicating possible conductive overburden.

Anomaly	Comments
K	This one has weak rsponse and does not appear to have any economic significance.
L	This occurs in an area of low magnetic readings, and over low 'swampy' ground. It is probably caused by conductive overburden.
М	Topographically, this anomaly lies within, and parallel to a low swampy area, and close to slightly 'higher ground' with outcrop exposures. It is attributed to conductive overburden.
N	Similiar to comments for Anomaly M.

Similiar to comments for Anomaly M.

Weak response and does not appear to have any

RECOMMENDATIONS

0

Note on the sketch of the Turnbull Twp. property (next page), those areas covered to date by geophysical surveys. be pointed out that lines 32N to 60N on the N. W. Sheet were cut, but were not run geophysically. In addition to this area, the so called 'northern tip' (6 claims), and 'southern tip' (Carscallen Twp.) have not been covered to date. South Sheet, run geophysically in 1985, did not cover the area completely to Massey Township.

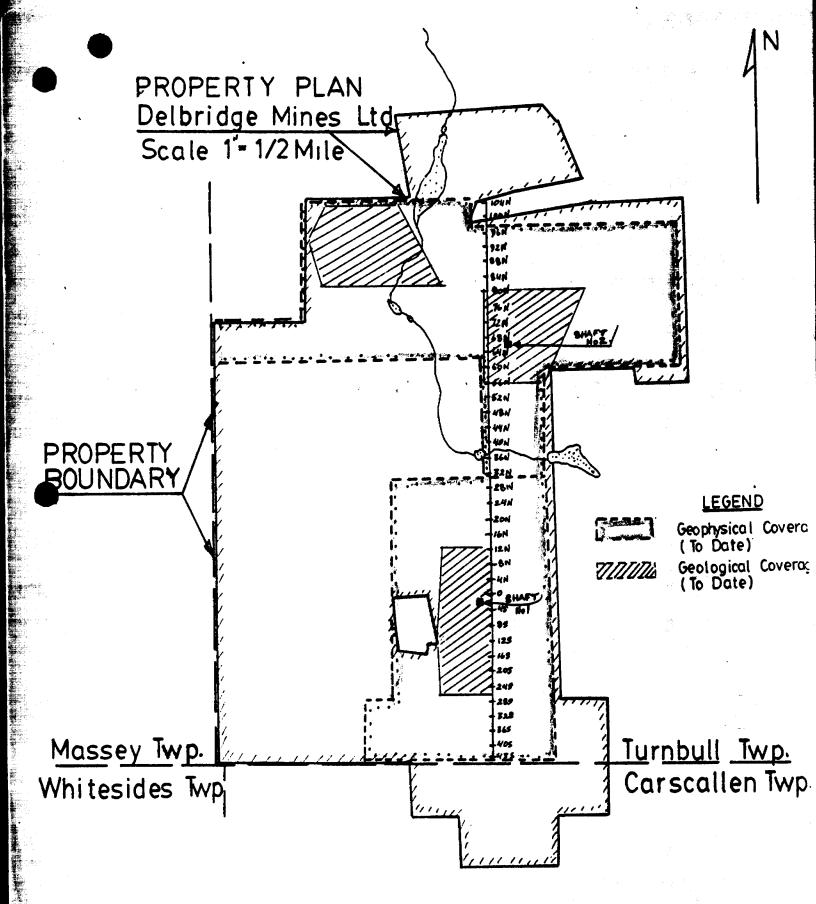
economic significance.

Prospecting, trenching and diamond drilling in 1987, turned up an interesting gold prospect in the Line 24 South Area. gold here may be associated with a coarse grained, disseminated pyrite, within a north-south trending zone of quartz veining. It is recommended that this area be covered by an IP Survey, in an attempt to define concentrations of sulphides.

The following line cutting and 'geophysical expenditures' are proposed:

COMMENTS ON 1987 COSTS

A more complete listing and detailing of the costs of these surveys has been prepared under a separate document, and will be submitted for assessement and other purposes.



SKETCH SHOWING—
DELBRIDGE MINES LTD.
PROPERTY—Turnbull Twp.

(SCALE 1"= 1/2 Mile)
DRAWN: R.V.S. / MARCH, 1988

WPf06-150 Report of Work

(Geophysical, Geological,

DOOUMEN 8806



Natural (Geo	ophysical, Geological,	[8806					
Ontario	chemical and Expend	tures)	1 2	42A05NE0148	2.11418 TUR	ibull		900
Type of Survey(s)	2.1	(4			142			300
Ground Geophy	/sical MAG -	VLF ((line Cu	ttina)	Township	or Area	Twp	
Claim Holder(s)				ourng/			r's Licence No.	
DELBRIDGE MIN	NES LIMITED					T 4	623	
Suite 2106 -	20 Queen St.	West	t - Toro	nto. Onta	rio MSH	L_3R3		
Survey Company				Date of Survey	(from & to)		Total Miles of line	Cut
Michael McIss Name and Address of Author (o				Day Mo.		10 87 Mo. Yr.	26	
Ralph Stewart		ook T	rail -	Aaincourt	. Ontar	io M1W	_1V3	
Credits Requested per Each				aims Traversed				
Special Provisions	Geophysical	Days per Claim		ining Claim Number	Expend. Days Cr.		lining Claim Number	Expend. Days Cr.
For first survey:	- Electromagnetic	40	P	952470	60-		1.0	1
Enter 40 days, (This includes line cutting)	- Magnetometer	20			1	P	880200	60
	- Radiometric	20	22 (21)	952471	60	A	880201	60
For each additional survey: using the same grid:				952472	60	78 1 H	880202	60
Enter 20 days (for each)	- Other			952473	60 -			
新聞から 数分 ない。	Geological			952474	60	1	996333	60
	Geochemical			952475	60 -	C N	996334	60
Men Days	Geophysical	Days per Claim	BECREAGE:	952476	60		996335	60-
Complete reverse side and enter total(s) here	- Electromagnetic						996336	60
	- Magnetometer			995046	60		996337	
2.7 4 1.1.	- Radiometric			995047				60
(2) (4) (4) (2) (4) (7) (4) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	- Other		40 mg		-60-			F 49
				995048	60	X	996339	60
	Geological						4886340 100	60
Airborne Credits	Geochemical			995050	-60		189 ₆₃₄₁ 198	60
Andorne Credits		Days per Claim		995051	-60		996342	60
Note: Special provisions	Electromagnetic			995052	60			
credits do not apply to Airborne Surveys.	Magnetometer			995053	60-		70.	
	Radiometric			995054	-60			·
Expenditures (excludes powe	er stripping)			995055	60	1 1101		32
Type of Work Performed Geophysical St	ITVOV			777077			141.	//),
Performed on Claim(s) P996	•				 (AY 12 100	1//
P 952470-476	Incl. P70891	B -		880196	· 6 0·	P	CEINE	
921 Incl.P80629	5-299 Incl.	7967	462747	880197	60 -		FLIAE	7/
P796752-755 Inc.	L - P 8 0 5 4 3 0 – 4 3 i Credits	8 Inc		880198	60	J	JN 24 1000	
Total Expanditures	Т	otal Credits		880199	60-			
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Instructions						claims cov report of	ered by this	33
Total Days Credits may be ap choice. Enter number of days				or Office Use C	Only	1	<u> </u>	
in columns at right.	_,		Total Days Recorded	Cr. Date Recorded		Mining Re	Arder)	
	bert M. Anni orded Höjder or Agent (S	sky ignature)	1000	May 12.	as Recorded	Branch Dir	SE 10 Thit	
May 10,1988	1/2/ S	>-	198C	De Re	used	Char		
Certification Verifying Repor	'			7				
I hereby certify that I have a or witnessed same during and	personal and intimate known after its completion a	owledge of nd the ann	f the facts set fo nexed report is t	rth in the Report of	of Work anne:	ked hereto, h	aving performed th	e work
Name and Postal Address of Person	on Certifying					 		
Robert M. Noo	taku _ 120	5 4	04 0-11	1	חם חם	V 40EA	L	- (

Robert M. Onotsky -Barrie, Ontario L4M-5R4

May 10/88

1205 - 181 Collier ST - P.O. BOX 1254



Technical Assessment Work Credits

File Date August 15, 1988

2.11418 Mining Recorder's Report of Work No. W8806-150

AMENDED

Delbridge Mines Lim	i ted	
ownship 舒松為 Turnbull		
Type of survey and number of Assessment days credit per claim	Mining Claims Assessed	-
Geophysical Second Seco		
Electromagnetic 40 days		
Magnetometer 20 days	P 952470 to 476 inclusive	
Magnetometer 20 days		
Radiometricdays		
induced polarization days		
Other days		
Otheruays		
Section 77 (19) See "Mining Claims Assessed" column		
		g = 100 miles
Geologicaldays		
Geochemicaldays		
		e e e e e e e e e e e e e e e e e e e
Man days Airborne Airborne		
Special provision X Ground X		
Special provision X Ground X		
Credits have been reduced because of partial		
coverage of claims.		
Credits have been reduced because of corrections to work dates and figures of applicant.		
		*
		•
pecial credits under section 77 (16) for the following mi		
	lectromagnetic	
10 days r	lagnetometer	
P 9963	339 - 40	
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o credits have been allowed for the following mining cla	IIMS Insufficient technical data filed	
not sufficiently covered by the survey	I meanificial recitions date mea	
	P 995046 to 048 inclusive	
	995050 to 055 inclusive	
	880196 to 202 inclusive 996333 to 338 inclusive	
	996333 to 338 inclusive 996341-42	
tt,		
		Anna San San San San San San San San San

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved essessment exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.

September 8, 1988

Your File: W8806-150 Our File: 2.11418

ONTARIO GEOLOGICAL SURVEY

ASSESSMENT FILES

SEP 1 6 1988

OFFICE

Mining Recorder
Ministry of Northern Development and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 287

Dear Sir:

RE: Notice of Intent dated August, 1988.

Geophysical (Electromagnetic & Magnetometer) Survey on Mining Claims P 952470 et al in the Township of Turnbull.

The assessment work credits, as listed with the above-mentioned Notice of Intent, have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

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

Whitney Block, Room 6610 Queen's Park Toronto, Ontario M7A 1W3 Telephone: (416) 965-4888

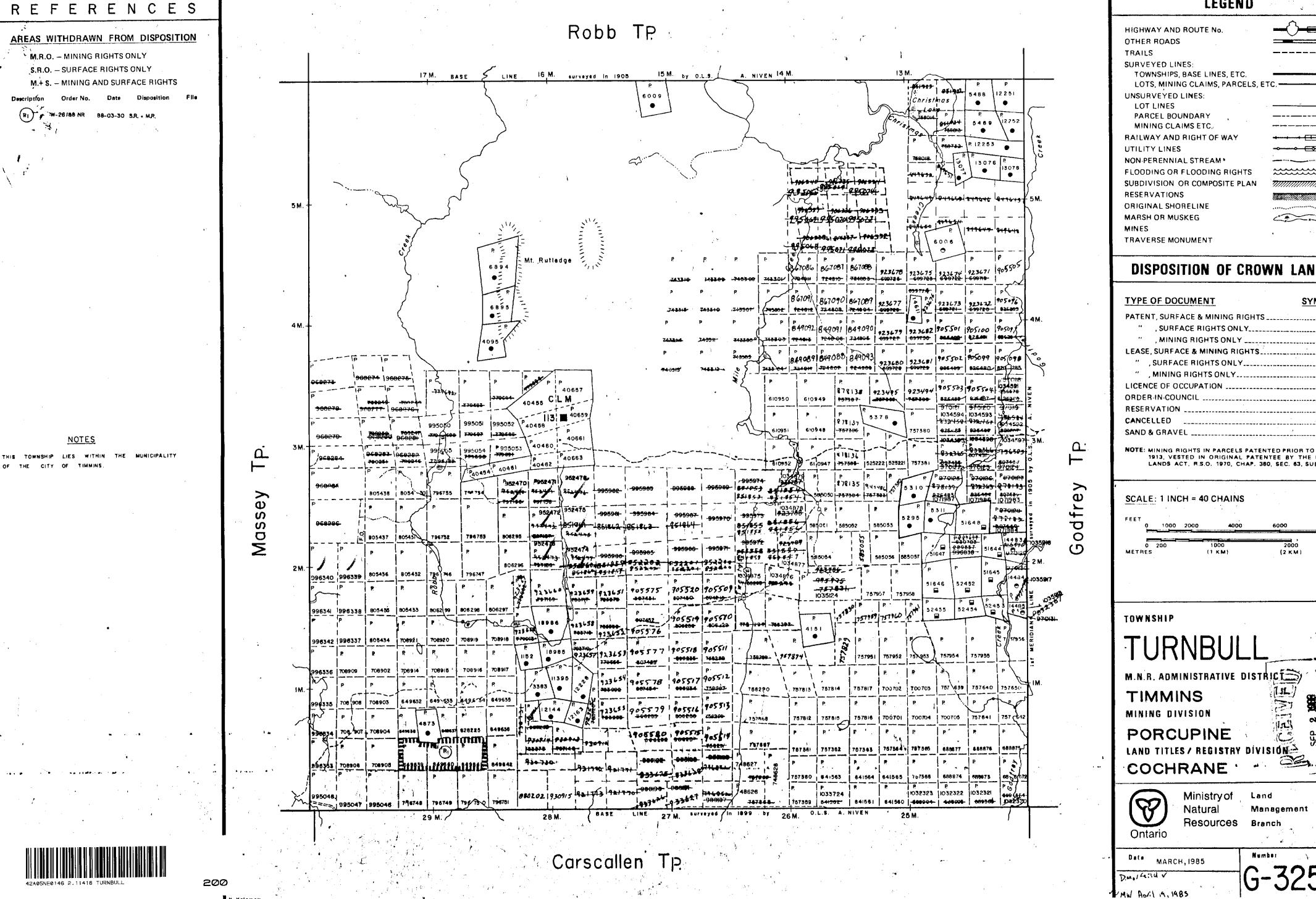
SH:sc

cc: Delbridge Mines Ltd Suite 2106 20 Queen Street West Toronto, Ontario M5H 3R3

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

cc: Resident Geologist Timmins, Ontario cc: Mr. Ralph Stewart 15 Deerbrook Trail Agincourt, Ontario MlW 1V3

cc: Mr. Robert M. Onotsky Suite 1205 181 Collier Street P.O. Box 1254 Barrie, Ontario L4M 5R4



LEGEND

LOTS, MINING CLAIMS, PARCELS, ETC

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	<u>SYMBOL</u>
PATENT, SURFACE & MINING RIGHTS	•
", SURFACE RIGHTS ONLY	
", MINING RIGHTS ONLY	<u> </u>
LEASE, SURFACE & MINING RIGHTS	
", SURFACE RIGHTS ONLY	🗖
" , MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	_
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

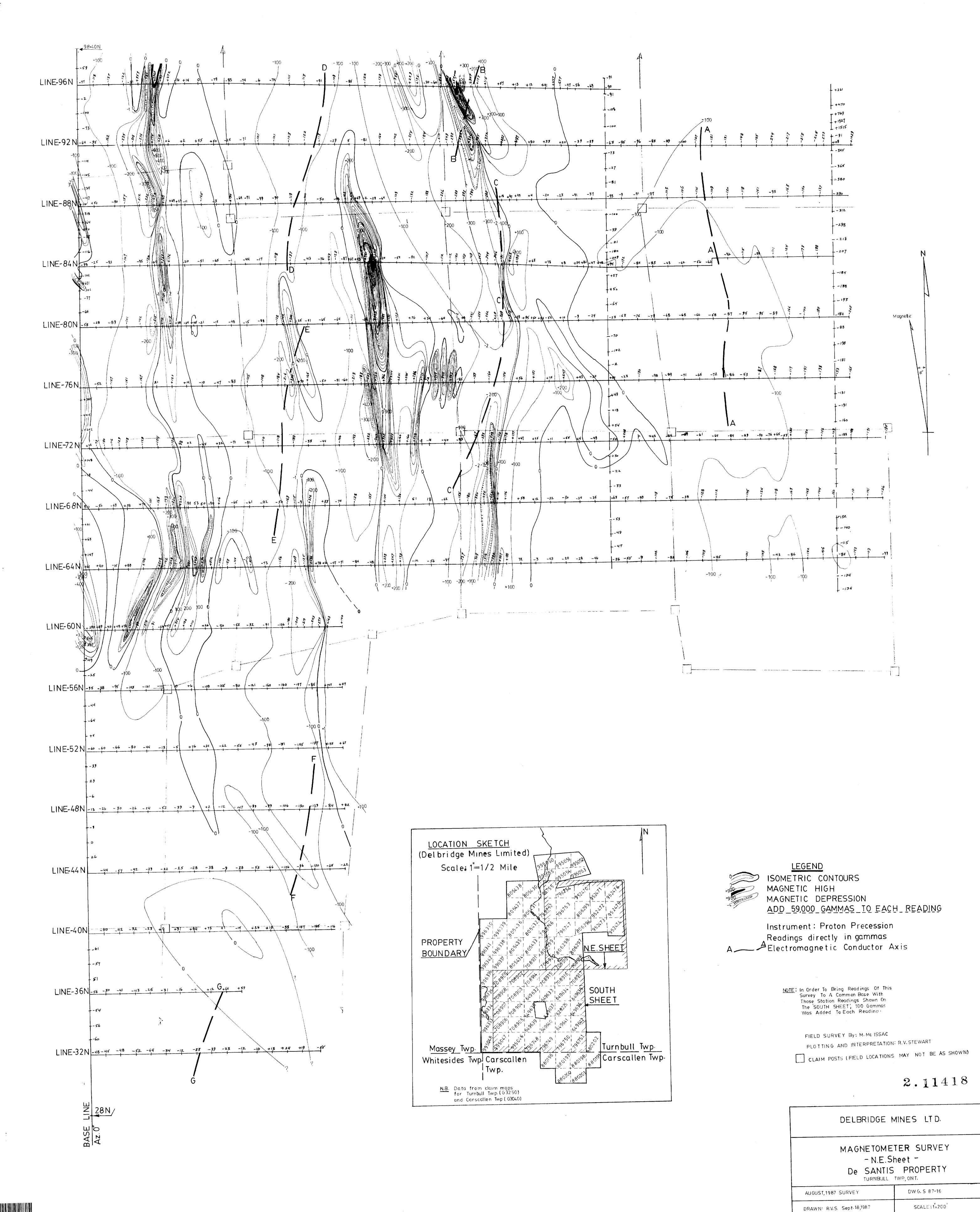
ET	1000	2000	4000	6000	8000
<u> </u>	1000	2000		8000	
_				•	
0	200	1	000	2000	
TRES			KM1	(2 KM)	

M.N.R. ADMINISTRATIVE DISTRICT

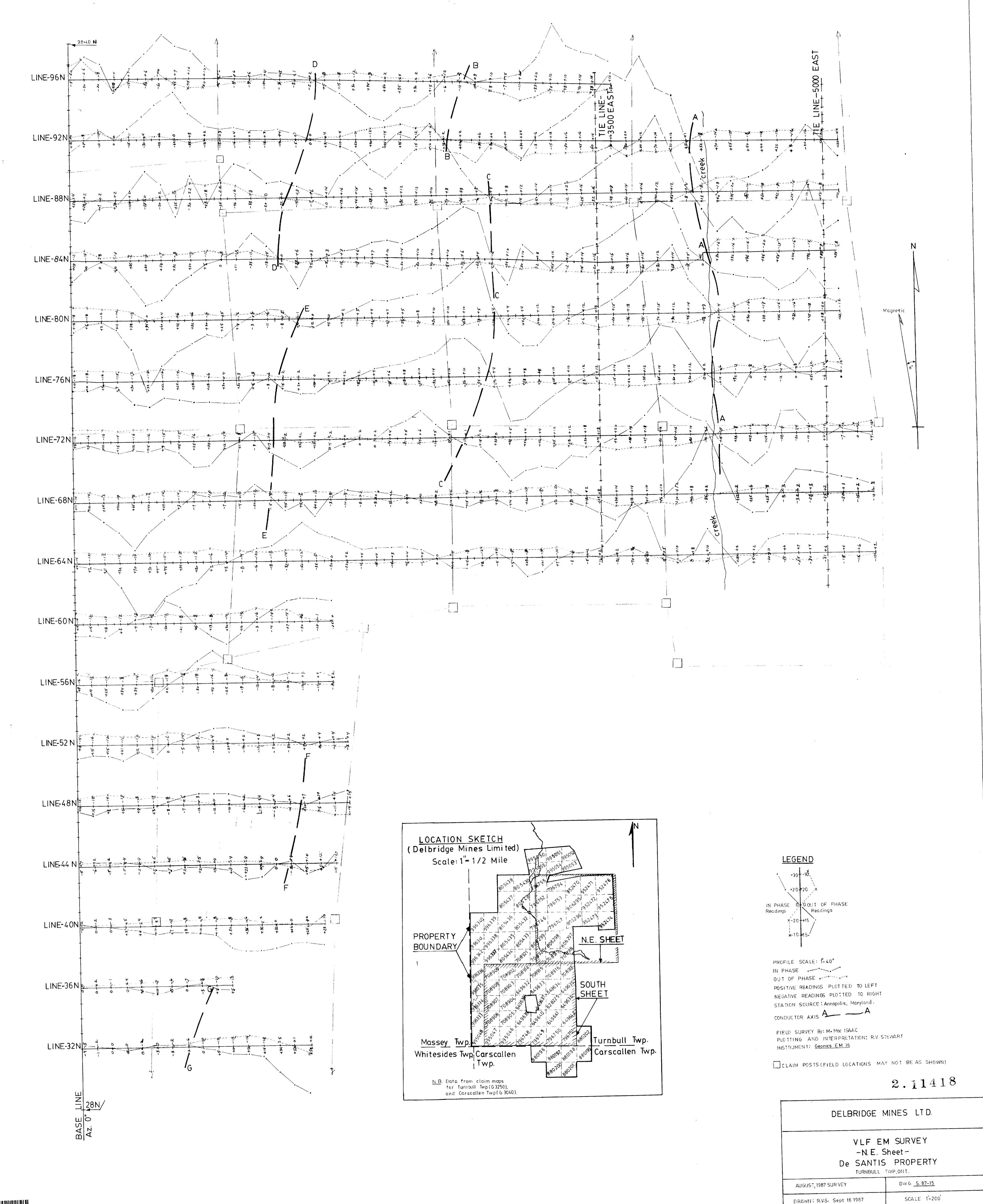
Management

Number

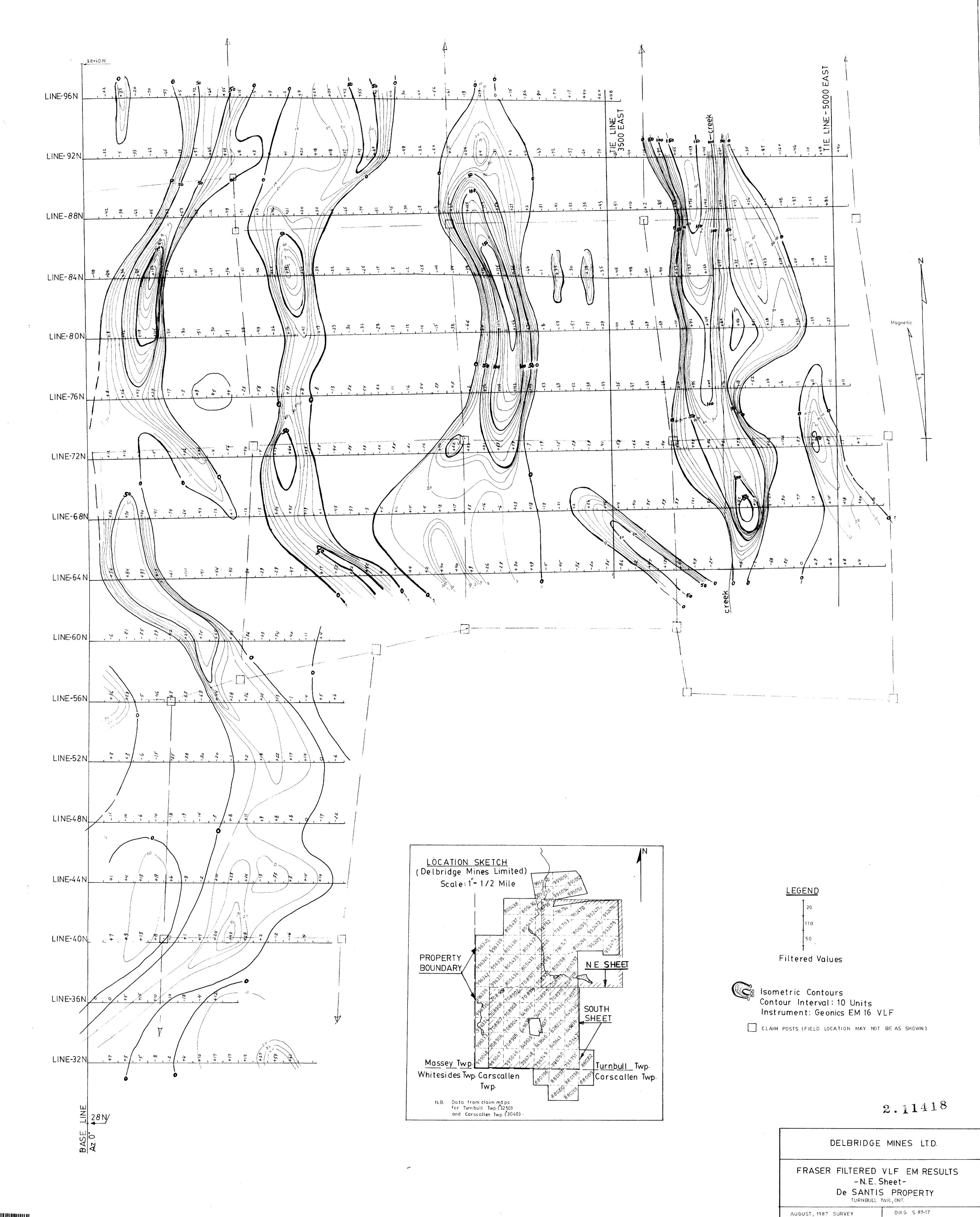
K, Kalamev



42A05NF0146 2.11418 TURNBULL



42A05NE0146 2.11418 TURNBULL



SCALE: 1=200

DRAWN; R.V.S., Sept. 18,1987

42A05NE0146 2.11418 TURNBULL

