

010

UMEX INC.

GEOLOGICAL ASSESSMENT REPORT

TARP LAKE OPTION

Tarp Lake Area

District of Kenora, Patricia Portion

NTS 52-0-9

# RECEIVED

MAR 6 1989 MINING LANDS SECTION

December 28, 1987

David V. Mullen Consulting Geologist SUMMARY

During May 1987, a geological mapping survey was conducted over the Tarp Lake property held under option by Umex Inc. from Mssrs. Hodge and Best. Outerop was very scarce occuring in only two limited areas of the swampy property. Using the limited surface exposures and geophysical data, it appears that the northern half of the property is underlain by strongly foliated massive to pillowed iron-rich basalts while the southern half is dominated by less deformed, less magnetic magnesium-rich basalts. Two formational conductive horizons cross the property. The northern conductor is sinistrally offset 760 metres by a north trending fault. Previous drilling by Umex Inc. revealed both conductors to be caused by graphitic sediments and schists. Northwest trending mafic (diabase) dykes are indicated by the magnetic data.

i

#### TABLE of CONTENTS

Ł	pg.
Summary	,i
Table of Contentsi	ii
Introduction	. 1
Location, Access and Topography	. 1
Claim Status	. 3
Previous Work	. 3
Regional Geology	• 4
Property Geology	• 4
References	. 6
Diamond Drill Logs-Umex IncAppendix	А

•

ii

#### INTRODUCTION

A geological mapping survey was conducted over the Tarp Lake property by the writer from May 8-18, 1987. Mapping was carried out at 1:4800 scale (1 inch to 400 feet) making use of a 400 foot-spaced line grid (122m) oriented northwest-southeast and picketed every 100 feet (30.5m). All lines were walked where accessible and all outcrops, drill holes and claim posts tied into the grid.

#### LOCATION, ACCESS and TOPOGRAPHY

The Tarp Lake property is located 18 kilometres north-northwest of Pickle Lake, Ontario and 8 kilometres due north of the old Pickle Crow gold mine (Figure 1). A well maintained gravel road (formerly highway 808) passes within 400 metres of the extreme northwest corner of the property. An old winter drill road 2 kilometres long branches eastward off the main gravel road and crosses the center of the grid. The extreme southeast corner of the grid can be reached by canoe using "Goose Creek" (unofficial name) via the Kawinogans River from July Falls, a distance of approximately 15 kilometres.

The Tarp Lake property is covered by large tracts of spruce-tea and open tamarack swamp with alder and cedar prevalent along the numerous creeks and streams draining the claim block. Two northeastsouthwest trending sand ridges (eskers) 1 and 2 kilometres long respectively wind their way across the northern part of the property. A few flat outcrops are found along the shorter ridge. Sandy ridges are found south of "Goose Creek", also associated with an outcrop area. Local relief is less than 10 metres, the highest point on the property is the large outcrop area at L 60N, 46E. Outcrop exposures make up much less than 1% of the surface area of the property.



Several crecks drain the property. A beaver dam along "Goose Creek" has flooded a large area in the southwest part of the grid. Eastward from L 28N, this creek averages 5 metres in width and cannot be easily crossed. An old beaver dam at 49N, 22E is the only convenient crossing point. Drainage is to the northeast into the Kawinogans River.

#### CLAIM STATUS

The Tarp Lake property consists of 44 contiguous unpatented mining claims numbered Pa 824133 to Pa 824176 inclusive held under option from Mssrs. Hodge and Best. All claims were in good standing as of November 27, 1987.

#### PREVIOUS WORK

Trenches in overburden in the vicinity of the outcrop areas attests to early prospecting activity on the property although no record exists of who conducted the work. During the early 1970's as part of their Crobie program, Umex Inc. staked several claim blocks in the area following airborne geophysical surveys and conducted ground geophysical surveys. Four holes (C-25, C-109, C-109A, and C-112) were drilled on targets on the currently optioned property although only two penetrated to bedrock. The collar of C-112 was not found but an old helicopter pad indicates its approximate position.

Kerr-Addison Mines drilled a series of 21 overburden holes along the northern claim boundary during 1985. All of these holes were tied into the existing grid.

3

#### REGIONAL GEOLOGY

The Tarp Lake property lies along one of several northeast trending lobes of the Pickle Lake greenstone belt (Stott, 1986; Sage and Breaks, 1982). Outcrop is not abundant so much interpretation is based upon airborne geophysical data. Metamorphic grade is middle greenschist facies.

#### PROPERTY GEOLOGY

Because of the paucity of outcrop little can be said of the geology of the property. The northern outcrop area located between Lines 16N and 20N at 2E consists of strongly foliated, partly pillowed dark green mafic volcanics with an unusual intercalated band of felsic(?) "quartz bubble" tuff. The mafic flows are chloritic, weakly bleached and contain disseminations of magnetite. The "quartz bubble" tuff occurs in a zone 30 cm wide and contains elongated pods (30-55cm x 2-3cm) with quartz bubbles to 2mm. These bubbles do not appear to be amygdules since they are not stretched. A strong foliation oriented at 40 degrees and dipping southeast at 80 degrees was observed. The foliation was affected by small dextral faults and kink bands.

The southeastern outcrop area located mainly between Lines 56N and 64N at 46E consists of relatively undeformed northeast striking, northwest facing massive to pillowed light green mafic volcanics intruded by a 3 metre wide northwest trending granular mafic dyke. Thin radial cooling fractures enhanced by weak calcite and epidote alteration were observed. The pillows and a weak foliation dip to the southeast at 60-70 degrees suggesting an overturned sequence. A mineral lineation oriented at 230/40 was noted.

4

Geophysical surveys suggest that the northern half of the property is underlain by iron-rich basalts (iron tholeiites) which is substantiated by disseminated magnetite observed in the mafic schists. A northeast trending conductive horizon indicated as being caused by graphitic sediments (hole C-109A) flanks the southeast side of the magnetic high (Fe basalts). The conductive horizon and magnetic high appears faulted between Lines 48N and 60N. A sinistral movement of 760 metres is indicated.

Geophysical surveys also suggest that the southern half of the grid is underlain by less magnetic basalts (magnesium tholeiites). The light green colour of the basalts in the southern part confirms this interpretation. Another northeast trending conductive horizon crosses the southeast corner of the property immediately southeast of the main outcrop area. Hole C-25 intersected several bands of acidic volcanic tuff and graphitic schist explaining the conductor.

Magnetic data indicate the presence of three northwest trending mafic (diabase) dykes centered on Lines 32N, 40N and 48N. These dykes could not be traced through the higher magnetic zone in the northern half of the property.

David V. Mullen Consulting Geologist

#### REFERENCES

Sage, R.P. and Breaks, F.W.,

1982: Geology of the Cat Lake-Pickle Lake Area, Districts of Kenora and Thunder Bay; Ontario Geological Survey Report 207, 238p. Accompanied by Map 2218, scale 1:253440 and Charts A, B and C.

Stott, G.M.,

1986: Regional Geology and Structure of the Pickle Lake Metavolcanic Belt, District of Kenora, Patricia Portion; p.9-14, in Summary of Field Work and Other Activities 1986, by the Ontario Geological Survey, edited by P.C. Thurston, O.L. White, R.B. Barlow, M.E. Cherry, and A.C. Colvine, Ontario Geological Survey Niscellaneous Paper 132, 435 p. Accompanied by 1 chart.

Unger, D.,

1987: Report on VLF-EM and Magnetometer Surveys on the Hodge-Best Claims, Pickle Lake Area, Ontario, Patricia Mining Division, NTS 52-0-9, Tarp Lake Claim Sheet, Assessment Report. APPENDIX A DIAMOND DRILL LOGS UMEX INC.

 $\langle \cdot \rangle$ 

.

••••••••••••••••••••••••••••••••••••••	× (		UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED DRILL RECORD.			
AREA ANON CLAIN	Crob: IALY:,C	ie (Ta La 739	Farp Lake)Hole No.C-25Depth:704.0Drilled By:InspirateBearing and Dip: $60^{\circ}N$ $120^{\circ}E$ Started: $2.2.72$ Machine:WireLineLocal Coord.X= $12N$ Y=Completed: $12.2.72$ DiamDrill:AQ	Descr Descr P.	ribed Bv. Kenne	dy
Dept	n (	%				No.
From	То	Core	Description & Lithology Mineral	ization	Dip	of Sample.
0.0	50.0		Casing			
50.0	100.0		Volcanic: intermediate, fine grained, grey-green, fair amount of calcite veins @0 <sup>40</sup> C.A. (1/8"), faint schistosity in places 45 <sup>o</sup> -55 <sup>o</sup> C.A., odd specks of Pyr, the rock is slightly chloritized.			
100.0	175.0		Volcanic: same as above, calcite veins 10 <sup>0</sup> ,35 <sup>0</sup> C.A. 1/8" & irregular			
175.0	275.0		Volcanic: intermediate, fine grained, grey-green, slightly chloritized, calcite veins 10,35,45°C.A., about 1/8",2"2", odd specks of Po & Pyr			
275.0	450.0		Volcanic: fine grained, intermediate, grey-green, calcite stringers $(0, 10, 50)$ C.A. $(1/8")$ , the rock is chloritized, odd specks of Pyr & Po.			
450.0	500.0		Volcanic: fine-grained, acidic (Dacite), grey, silicic, odd specks of Pyr & Po			
			493.0 - 500.0 very sparse and thin stringers of graphite @40°C.A.	I		
500.0	514.0		Volcanic: (Dacite), fine grained, acidic, grey, same as above.			
			504.6 - 505.3 interbanded volcanic and graphitic schist: contact 30-35 C.A., thin stringers of Pyr & Po @30-35 C.A., about 1% sulphides.			
	]	1			1	

C-25

) - page 2 - ()

l						
Dej	pth	% of	Description & Lithology	Mineralization	Din	No.
From	То	Core	Description & Enhology	Witteratization		Sample
	•••					
			510,0 - 510.6 same as above			
514.0	525,0		Interbanded Volcanic Tuff & Graphitic Schist: acid volc With white feldspar fragments (elliptical and euhedral (1/8-3"), grey-black color, schistosity 20-25°C.A., this of Po & Pyr @20°C.A. with nodular Po & Pyr, about 3-5%	canic (Dacite) crystals) in stringers sulphides.		
525.0	550.0		Interbanded Volcanic Tuff and Graphitic Schist: same as schistosity 35 C.A., grey-black-white color.	above,		
			526.0 - 539.8 volcanic-acidic (Dacite) volcanic & graphitic sch specks of Pyr&Po	with 3",4" hist, odd		
:			533.4 - 533.9 massive Po & Pyr stringe in the interbanded and v & graphitic schist secti 50-60% sulphides.	er @35 <sup>0</sup> C.A., volcanic ion - about		
			539.3 - 2" Po & Pyr stringer @20	) <sup>o</sup> c.a.		
			539.8 - 550.0 nodular blebs & htin str Po & Pyr @20 <sup>°</sup> C.A abou	ringers of it 3% sulphides		
550.0	575.0		Interbanded Volcanic Tuff & Graphitic Schist: same as a black-white color, schistosity 35°C.A., nodular blebs & of Po & Pyr @ 35°C.A about 2% sulphides.	above, grey- stringers		
575.0	600.0		Interbanded Acidic Yolcanic & Graphitic Schist: grey-bl color, banding 25-30 C.A., thin calcite veins, sparse su (Pyr&Po) 1% sulphides	lack-white lphides		
		J				l

C-25

•

- page 3 -

 $\mathbf{U}^{(1)}$ 

ļ

Depth		%				No.
From	То	Core	Description & Lithology	Mineralization	Ulp	Sample
600.0	605.0		Interbanded Acidic Volcanic & Graphitic Schist: same as above, band 40-45 C.A., odd specks of Po & Pyr	ing		
605.0	670.0		Volcanic (Dacite): fine grained, grey, silicic, calcite stringers 35°C.A., odd specks of Pyr & Po.			
670.0	704.0		Volcanics intermediate, fine grained, greyish green, slightly chloritized, thin calcite stringers.			
			704.0 - END OF HOLE			
			ACID_TESTS			
			400.0 - 43 <sup>0</sup> (very poor test)			
			,			
						-
í						

DON MILLS		Date Teb	201	72			
	C-235			×:.			
SAMPLE No.	LOCATION	DESCRIPTION		A	SSAY F	DR	-
06944	514.0 - 525.0	Vollyraphic schist (3-4% Julie	)cu	Ni	2N	Au	
01445	539.0-550.0	Voli peplides " 27 Sulphile	1.			<u> </u>	ł
06776	550.0-560 0	Volk graphic 2-39. Sulphile	<u> </u>	~	<u> </u>	<u> </u>	┥
		Sulphido stringers (PotRyo)					+
			0.02	1r 0.01	0.06	Tr Tr	╉
			0.61	0.91	0.05	Tr	
		<u> </u>	ļ	 	 		┥
						<u> </u>	┥
						<u> </u>	+
						4ee: 	+
						<b> </b>	┨
							-
·	· · · · · · · · · · · · · · · · · · ·				     		-
			<u> </u>				-
	<u>.</u>						
			+				
						+	
				1		1	

(

Ĺ

UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED

DRILL RECORD.

Ň

AREA ANON CLAIN	Crob: MALY: C' M: 25	ie 7-40A 94523	Hole No. C-109A Bearing and Dip:55 <sup>0</sup> towards S40 <sup>0</sup> E Local Coord. X= 4S Y=1.25WZ=	Depth: 402.0' Started: 22 Jan.1973 Completed:26 Jan.1973	Drilled By: MachineNO - Diam Drill: A	Inspiration 3 Desc Q P.	ibed By: Vamc	98
Dept	h	%						No.
From	To	Core	Description a	Mineralization	Uр	ot Sample.		
	102.0		Overburden.					
02.0	151.0		Intermediate volcanic: fine to medium grey, lacey feldspar, traces of folia mainly chloritic, moderate. Few quar Lower part of section (20') becomes 1 also finer grained. At lower contact 45° to CN.	grained, slightly tion 45 to CN. Alt tz veinlets few car eucrocritic, more s , cherty and banded	greenish eration b. strg. iliceous approx.			
51.0	276.0		Intermediate volcanic - fine grained tions, with the likelihood of some fi (mudstones) sediments. Few qtz. and euhedral crystals also some anhedral foliation approx. 50 to CN. Approace med. grained.	lighter grey with d ne grained intercal carb. strg./ Few la Py blotches (non co hing lower contact	arker sec- ated rge nd.) rock becom	es		
76.0	325.0		Siliceous tuffs - fine grained light 45° to CN. Interbedded with narrow f with few coarse grained euhedral - Py	grey cherty well ba ine grained mudston crystals. Rock le	nded appro e sections ss altered	<b>.</b>		
25.0	360.0		Argillaceous sediments - predominantl with graphitic sections 327' - 3" gra Also minor interbedded siliceous tuff	y, fine grained dar phitic minor amarph s. (Graphitic secti	ker grey ous pyrite ons explai	n ·	4	
60.0	402.0		conductor). Siliceous tuff - predominantly, fine approx. 30 to CN, minor argillaceous pyrite patches.	grained cherty well sediments with few	banded amorphous			
			END OF HO	LE.				



52009SE0006 2.12234 TARP LAKE

900

	Mining Lands 3rd floor, 5 Toronto, 0n M5S 1Z8	s Section 880 Bay Street tario
	Telephone:	(416) 965-4388
April 28, 1989	Your file: Our file:	W8903-044 2.12234
<pre>Hining Recorder Hinistry of Northern Development and Mines Court House P.0. Box 3000 Sioux Lookout, Ontario POV 2TO Dear Hadam: Re: Notice of Intent dated Harch 23, 1989 Geologi Survey submitted on Hining Claims PA 824133 e in the Tarp Lake Area.</pre>	ONTARIC GEOLOGICAL ASSESSMENT FIL OFFICE MIGY - 1 1985 RECEIVEL cal	SURVEY LS

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 Provincial Manager, Mining Lands Nines & Minerals Division

SH:eb Enclosure

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

> Umex Inc. Toronto, Ontario

Resident Geologist Sioux Lookout, Ontario

David Hullen Timmins, Ontario

Arrisk       C / A & C & C & C & C & C & C & C & C & C &	Ontario	Report of Wardson (Geophysical, Geochemical a	ork Geological nd Expend	W8903	• 044	nstructions: - - Note: -	Please type If number exceeds spa Only days "Expenditu in the "E	or print. of mining clain ice on this form, credits calcula rres" section ma xpend. Days Ci	ms traversed attach a list, ated in the y be entered r." columns.
Type B Joney Willing     Geological     Tarpe Lake Area     6-2231       Claim Holder(i)     UHEX Inc     Freeded in the control of	ING WOS	d·ld	237	Mining A	\ct		Do not use	shaded areas belo	w.
Chaim Holder(a)     Total P Coll     Total P Coll     Total P Coll       Addresi     P.O. Box 22, 150 King Street West, Toronto, Ontario M5H 139     Total Mile of Ine Cul       Name and Addresi of Auchie of Centering report     Data of Survey (rem & tot)     Data of Survey (rem & tot)       Data and Addresi of Auchie of Centering report     Data of Survey (rem & tot)     Data of Survey (rem & tot)       Data and Addresion per Each Claim in Columns at right     Timins, Ontario P4N 5H9       Credits Requested per Each Claim in Columns at right     Mining Claim     Total Maria Claim       For first survey:     Desphysical     Claim     Recommercial       For each additional survey:     Online     Claim     Recommercial       Mari Days     Central Call     Days per data data data data data data data dat	Type of Survey(s)	onical	,			Township	or Area niako I	rea 6 2	221
UNEX Inc     T-133       Andreas     T-133       Survey Company     Date of Survey from 8 tool DD0D0D0D0D0D0D0D0D0	Claim Holder(s)	Jyicai				101	Prospector	's Licence No.	
Address       P.O. Box 22, 150 King Street West, Toronto, Ontario M5H 1J9         Survey Groups V       As above         Name and Address of Author for Geo Technical report!       Date of Survey (from 8 to)         David Mullen, 735 Mellrose Blvd., Timmins, Ontario P4N 5H9       Cechtis Regulator of P4 Street Survey (from 8 to)         Section of Address of Author for Geo Technical report!       David Mullen, 735 Mellrose Blvd., Timmins, Ontario P4N 5H9         Cercles Regulator of P4 Street Multima is Chrome Towersed (List in numerical sequence)       Paint Mining Claim         Section Towers       CeonAvidation Columna at right       David Mullen, 735 Mellrose Blvd., Timmins, Ontario P4N 5H9         For est Additional Surver, construction       David Mullen, 735 Mellrose Blvd., Timmins, Ontario P4N 5H9       Painted Mining Claim         For est Additional Surver, construction       David Mullen, 735 Mellrose Blvd., Timmins, Ontario P4N 5H9       Painted Mining Claim         Construction       Cechonical       David Mullen, 735 Mellrose Blvd., Timmins, Ontario P4N 5H9       Painted Mining Claim         Construction       Cechonical       David Mullen, 735 Mellrose Blvd., Timmins, 010 Mining Claim       Painted Mining Claim         Construction       Cechonical       David Mullen, 736 Mellrose Blvd., Mining Claim       Painted Mining Claim         Construction       Cechonical       David Mullen, 736 Mellrose Blvd., Mining Claim       B241162	UMEX Inc							-133	
P. O. Box 22, 150 King Street West, Toronto, Ontario MSH 139         Survey Company As above       Davia of Survey (from & Lo) David Mullen, 235 Melrose Blvd., Timmins, Ontario P4N 5H9         Credits Requested per Sech Claim in Columns at right includes line outing)       Davia end Advis (This Per line work (This Includes line outing)       Mining Claims Traversed (List in numerical sequence)         Press Medizons       Comprised (Claim)       Davia end Comprised Provides (Claim)       Mining Claims Traversed (List in numerical sequence)         Press Medizons       Comprised (Claim)       Davia end Comprised Provides (Comprised Conversion)       Davia end Comprised Provides (Comprised Conversion)       Press Medizons (Comprised Provides (Comprised Conversion)       Press Medizons (Comprised Provides (Comprised Conversion)       Press Medizons (Comprised Provides (Comprised Provides (Comp	Address								
Barley Dataset     Date of adjust of the second adjust of the secon	P.O. Box 22, 150 H	King Street Wes	t, Ioro	nto, Onta	rio M5H 1	1J9			
Name and Address of Author (of Geo Technical report)     Dav (Mo, I.Yr., Dav (Mo, I.Yr., Dav (Mo, I.Yr., Dav))     Deve (Mo, I.Yr., Dav)     Deve (	Survey company				_08, 05	87   18	05 87	I otal Miles of line (7)	e Cut
David Mullen, 735 Melrose Blvd., Timmins, Ontario PAN 5H9         Credits Requested per Each Claim in columns at right.         Por first survey:         Exercise Requested per Each Claim in Columns at right.         Por first survey:         Exercise Requested per Each Claim in Columns at right.         Participe Requested per Each Claim in Columns at right.         For first survey:         Enter 20 days (for each soft)         For each additional survey:         uning file sum grid.         Other         Geophysical         Complete every site sum grid.         Main Days         Complete every site sum grid.         Main Days         Complete every site sum grid.         Mark 21 1989 ometric         Noter's Special provisions, terroregenete         Type of Mark Referenced         Noter's Special provisions, tereand state class foreatis	Name and Address of Author (c	of Geo-Technical report)			Day Mo.	Yr.   Day	Mo.   Yr.		
Credits Requested per Each Claim in Columns at right       Sectis Provision       Sectis Provision         Sectis Provision       Credits Section       Day section         For first survey:       Credits Section       Pa Scalas         For first survey:       - Electromagnetic       Pa Scalas         For each section       - Bailometric       - Section         - Section and control       - Section       - Section         - Credits Section       - Credits       - Section         - Credits Requested per table       - Section       - Section         - Section       - Section       - Section       - Section         - Credits Requested per table       - Section       - Section       - Section         - Section       - Section       - Section       - Section       - Section         - Section       - Section       - Section       - Section       - Section         - Section       - Section       - Section       - Section       - Section       - Section         - Section       - Section       - Section       - Section       - Section       - Section       - Section         - Section       - Section       - Section       - Section       - Section       - Section       - Section       - Section	David Mullen, 735	Melrose Blvd.,	Timmin	s, Ontari	o P4N 5H9				
Special Provides     Geophysical     Cannot an experimental includes find current includes find c	Credits Requested per Each	Claim in Columns at r	ight	Mining Clai	ms Traversed	List in nume	erical seque	nce)	
For first survey:       - Electromagnetic       - Magnetometer         For each additional survey:       - Baciometric       - Baciometric         using the same grid:       - Other       - Baciometric         Ener 20 days (for each)       - Other       - Baciometric         Geological       - Other       - Baciometric       - Baciometric         - Other       - Baciometric       - Other       - Baciometric         Geological       - Other       - Baciometric       - Baciometric         - Other       - Baciometric       - Other       - Baciometric         Geological       - Other       - Baciometric       - Baciometric         Geological       - Other       - Baciometric       - Baciometric         - Marco and Foreira (Complete reverse of the complete reverse of the	Special Provisions	Geophysical	Days per Claim	Prefix	ing Claim Number	Expend. Days Cr.	Prefix	ning Claim Number	- Expend. Days Cr.
Enter 40 days, (This includes the cutting)	For first survey:	- Electromagnetic		Pa	824133		Pa	824155	
For each additional survey: coing the same grid: Enter 20 days flor each Geotogical       Padiometric       024134       824135         Main Days       Geotogical       20       824135       824135         Geotogical       20       Geotogical       20         Geotogical       20       B24135       B24136         Statistics       Caption       Geotogical       B24141         MAR       21       1989.ometric       B24141         B24142       B24143       B24163       B24163         B24144       B24144       B24165       B24164         B24144       B24144       B24165       B24165         B24166       B24167       B24168       B24164         B24167       B24168       B24169       B24164         B24168       B24169       B24169       B24164         B24170       B24151       B24151       B24152	Enter 40 days. (This includes line cutting)	- Magnetometer			024124			024155	
For each additional survey: using the same grid:       - Madiometric       -         Enter 20 days (for each)       Other       -         Geological       20         Geochemical       0         Geochemical       0         Complete reverse setting and enter total <b>R-E C E I V E'D</b> segnetic       0         Mark 21       1989 ometric         Mark 21       1989 ometric         Milling LANDS, SECTION       -         Geochemical       0         Note:       Section         Vision the section       0         Note:       Section         Carculation of Expenditures (excludee police)       0         Note:       Sheers in provision, creatis thick for apply         Arring the Dreatis       Excludee police         Note:       Sheers in provision, creatis thick for apply         Arring the Dreatis       Exerction genetic         Total Expenditures (excludee police)       Total         S       + 15         Instructions       Total         S       + 15         Instructions       Total appenditures         S       + 15         Instructions       For Office Use Only         Total apys Credits may be apportioned at the claim					024134			824156	
Complete reversation       Other         Main Days       Geophysical         Complete reversation       Days per         Complete reversation       B24136         Main Days       Geophysical         Complete reversation       Days per         Complete reversation       Magnetometer         Mark 2 1       1989 ometric         MAR 2 1       1989 ometric         Other       Days per         MAR 2 1       1989 ometric         Other       Days per         Note: Steecal provisions, revenue spectrometer       B24144         B24145       B24146         B24146       B24169         B24149       B24170         B24151       B24170         B24152       B24173         B24154       B24174         B24155       B24154<	For each additional survey:	<ul> <li>Radiometric</li> </ul>	<u> </u>		824135			<u>824157</u>	
Geological20 Geochemical $324137$ B224138 $824159$ B224138Main Davis Complete reversacing and enter total Refig and enter total Refig and enter total Refig and enter total Refig Complete reversacing and enter total Refig Complete reversacing and enter total Refig Complete reversacing Complete reversacing Article Refig Complete reversacing Article Refig Complete reversacing Complete reversacing Complete reversacing MAR 2 1 1989 ometric CommenterDavis per Commenter B224141 $824162$ B224142 $824161$ B224163MAR 2 1 1989 ometric Claim Claim Note: Special provisions creatis Refigit apply (to Article Structure Structure)Davis per Claim Claim Claim $824143$ B224144 $824163$ B224144 $824164$ B224164Article Refigure Claim Claim Claim Claim Control Refigure Control Refigure Total Davis Decision Structure Total Davis Creatility Total Davis Creatility Context registion of tave creating per claim bolder's total Davis Creatility and per claim bolder's total Davis Creatility per claim bolder's <b< td=""><td>Enter 20 days (for each)</td><td><ul> <li>Other</li> </ul></td><td></td><td></td><td>824136</td><td></td><td></td><td>824158</td><td></td></b<>	Enter 20 days (for each)	<ul> <li>Other</li> </ul>			824136			824158	
Geochemical         Main Days         Complete reverse side and enter totall <b>Rule C E I V E D</b> ongnetic magnetionestric         Mark 21       1989 ometric         Mark 21       1989 ometric         Mark 21       1989 ometric         Mark 21       1989 ometric         Other       824142         B24142       824162         B24143       824164         B24144       824165         B24144       824166         B24143       824166         B24144       824164         B24145       824164         B24144       824165         B24144       824166         B24145       824166         B24146       824164         B24146       824165         B24145       824166         B24146       824166         B24170       824169         B24170       824170         B24171       824170         B24172       824171         B24173       824172         B24174       824173         B24175       824174         B24174       824174         B24175       824174         B24176		Geological	20		824137			824159	
Main Days       Geophysical       Days per Claim         Complete reverse sette and enter totall Mediation of Expenditures       C E I V E Dompnetic Magnetometer       Days per Claim         MAR 2 1       1989 ometric       824140       824162         MAR 2 1       1989 ometric       824141       824163         Mining LANDS       Cartion at Claim       824142       824164         Note:       Special provisions, to Arthorne Surveys       Electromysnetic Claim       Claim         Figure of Work Performed       Magnetometer       824142       824164         824142       824164       824164       824165         824144       824166       824164       824164         824144       824164       824164       824166         824144       824166       824164       824164         824145       824166       824167       824166         824145       824168       824169       824170         824170       824170       824170       824171         824151       824151       824174       824175         824154       824154       824176       824176         824154       824154       824176       824176         824174       824176 <td></td> <td>Geochemical</td> <td></td> <td></td> <td>024120</td> <td></td> <td></td> <td>024100</td> <td></td>		Geochemical			024120			024100	
Complete reverse state and enter total Re C E I V E Diagnetic Magnetometer Mar 2 I 1989 ornerric Some Mar 2 I 1989 ornerric Man 2 I 1989 ornerric Some Mar 2 I 1989 ornerric Some Note Special provision Claim Note Special provision Credits 46 fort apply So Autome Survey. Magnetioned Sectoring Southorne Survey. Magnetioned Sectoring Southorne Survey. Magnetioned Sectoring Southorne Survey. Magnetioned Sectoring Southorne Survey. Southorne Survey. Magnetioned Sectoring Southorne Survey. Southorne	Man Days		Days per		024130			824100	
and enter totall R.E.C.E.IVED_Impretic         MAR 2 1 1989 ornetric         MAR 2 1 1989 ornetric         Other         MINING, LANDS, SECTION         Geothemy al         Anticate Creating         Dury performation         Claim         Note: Special provision, creating provision, creating provision, creating for on paper         Anticate Creating for varions, creating provision, creating provision, creating for one paper         Anticate Creating for varions, creating provision, cre	Complete reverse side	Geophysical	Claim		824139			824161	
MAR 2       1989 ometric         MAR 2       1989 ometric         Other       Other         MINING_LANDS_SECTION       824143         Geochemical       824144         Articare Creatis       Geochemical         Articare Creatis       Caim         Note Special provisions, creatis to not apply       Electronygenetic         Claim       Caim         Note Special provisions, creatis to not apply       Electronygenetic         Claim       824146         824144       824165         824145       824166         824146       824167         824146       824166         824147       824168         824148       824169         824149       824170         824170       824170         824171       824171         824172       824173         824173       824174         824174       824175         824175       824176         824176       824176         824176       824176         824176       824176         824176       824176         824176       824176         824176       824176	and enter total (Print C	IVE C D magnetic			824140			824162	
MAR2 11989 ormetricOtherOther $824142$ $824164$ OtherOther $824143$ $824165$ Artio ne CreatisGeochemical $824145$ $824166$ Artio ne CreatisClaim $824145$ $824166$ Note: Special provisions, creatis provisions, creatis driven particeElectromyonetic $824146$ Creatis Minore Survey, magnetimeter $824146$ $824169$ Expenditures (exclusteen of the poly or the poly of Werk Performed $824149$ $824170$ Expenditures on Claim(s)Total $824150$ $824172$ Calculation of Expenditure Days CreatisTotal $824154$ $824172$ Total ExpendituresOays CreatisTotal $824154$ $824176$ Total CountiesTotal $824154$ $824176$ $824176$ Total Days Creatis per claim selectedTotal Days Creatis per claim selectedTotal CountiesTotal CountiesIncolume at right. $15$ $15$ $15$ $15$ $16$ Total Days Creatis per claim selected $1640$ $1640$ $1640$ Days Creatis per claim selected $1640$ $1640$ $1640$ Total Counties at right. $1640$ $1640$ $1890$ Total Counties of days creatis per claim selected $1640$ $1640$ <td></td> <td>Magnetometer</td> <td></td> <td></td> <td>824141</td> <td></td> <td></td> <td>824163</td> <td></td>		Magnetometer			824141			824163	
Other       Other         MINING, LANDS, SECTION       Section         A-tooling Creating       Content of the content of	MAR 2	1 1989 ormetric			824142			824164	
MINING_LANDS_SECTION         Arthorne Creains         Celection (a)         Arthorne Creains         Days per claim         Carrier Creains         Carrier Condense Condense Creains         Carrier Condense Creains <td>TIME</td> <td>Other</td> <td>·</td> <td></td> <td>024142</td> <td></td> <td>1</td> <td>004465</td> <td></td>	TIME	Other	·		024142		1	004465	
Geotistical Active       B24144       B24166         Antronie Creatis       Dave per Claim       B24145       B24166         Note: Special provisions, credits tio, not apply, to Arthorne Surveys.       Magnetymeter       B24146       B24169         Note: Special provisions, credits tio, not apply, to Arthorne Surveys.       Magnetymeter       B24146       B24169         Expenditures (excloree-police)       Magnetymeter       B24149       B24170         Expenditures (excloree-police)       B24150       B24171         Expenditures (excloree-police)       B24151       B24172         Performed on Claim(s)       B24152       B24174         Calculation of Expenditure Days Credits       Total       B24154         Total Expenditures       Days Credits       Total         Instructions       Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.       Total Days Credits Recorded         More of Mark et days credits per claim selected       Magnet de days credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected       Magnet de days credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected       Magnet de days credits per claim selected         Instructions       Columns at right.       Magnety credits days credits per claim selected	MINING LAN	DS SECTION	·		824143			824165	
Arborne Creation       Days per Claim         Arborne Creation       Days per Claim         Note: Special provisions, credits Magnetimeter       Electromogenetic         Note: Special provisions, credits Magnetimeter       B24145         Note: Special provisions, credits Magnetimeter       B24146         Note: Special provisions, credits Magnetimeter       B24146         Note: Special provisions, credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.       Sector Provide Provided Provide	IN COMP	Geologica			824144			824166	
Arbonic Credits       Davs per Claim         Nole       Special provisions credits (6, for apply to Airborne Surveys.       Electromegnetic Magnetimeter         Nole       Special provisions credits (6, for apply to Airborne Surveys.       Magnetimeter         Barlometric       824146       824169         Expenditures (excludes poliver stripping)       824149       824170         Type of Work Performed       824150       824172         Performed on Claim(s)       824151       824173         Calculation of Expenditure Days Credits       Total Days Credits       Total Days Credits       Total Days Credits         S       ÷       15	1-7 ,	Geochemical			824145			824167	
Note: Special provisions, credits tild from apply       Electromogenetic         Credits tild from apply       Magnetrimeter         Note: Special provisions, credits tild from apply       Better from apply         Expenditures (excludeer poliver stripping)       Note: Special provisions, from apply         Expenditures (excludeer poliver stripping)       Better from apply         Type of Work Performed       Better from apply         Performed on Claim(s)       Better from apply         Calculation of Expenditure Days Credits       Total         S       +         Instructions       Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.       For Office Use Only         Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.       For Office Use Only	Airborne Creoits		Days per Claim		824146			824168	
credits do not apply       Magnetrimeter         io Airborne Surveys       Magnetrimeter         Barrometric       824149         E xpenditures (excludes poliver stripping)       824149         True of Work Performed       824150         Performed on Claim(s)       824151         Calculation of Expenditure Days Credits       Total         S       +         Instructions       Total Days Credits         Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.       Total Days Credits per claim selected Recorded         Mining R Order       Magnetrimeter         Magnetrimeter       Magnetrimeter         Approximation of Expenditure Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected metrim selected         Mining R Order       Magnetrime Recorded         Mining R Order       Magnetrimeter	Note: Special provisions	Electromagnetic	•••••	-	024147			82/160	
Ito Airborne Surveys.MagerimeterExpenditures (exclodes poliver stripping) $824148$ Type of Work Performed $824149$ Performed on Claim(s) $824151$ Performed on Claim(s) $824152$ Calculation of Expenditure Days Credits $15$ Calculation of Expenditures $15$ S $\div$ Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.Total Days Credits per claim selectedTotal Days Credits $CrivicMarket G. 1989CrivicMarket G. 1989CrivicMarket G. 1989Market G. 1989$	Credits do not apply		• • • • • • • • • • • • • • • • • • • •		024147		13.6	024109	
Expenditures (excludes power stripping)         Type of Work Performed         Type of Work Performed         Performed on Claim(s)         Recruin of Expenditure Days Credits         Total Expenditures         Days Credits         Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.         For Office Use Only         Total Days Credits per claim selected         Mining R Order	to Airborne Surveys.	Magnetimeter			824148			824170	
Expenditures (excludes-poliver stripping)         Type of Work Performed         Type of Work Performed         Performed on Claim(s)         B24151         B24152         B24153         B24154         Calculation of Expenditure Days Credits         Total Expenditures         Days Credits         S         Instructions         Total Days Credits may be apportioned at the claim holder's choice Enter number of days credits per claim selected in columns at right.         For Office Use Only         Total Days Credits per claim selected         Marc H 6, 1989	N. S.	Aarlometric		- Kanana Kata	824149		S 1992 S	824171	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Expenditures (excludes pow	er stripping)			824150			824172	
Performed on Claim(s) Performed on Claim(s) Calculation of Expenditure Days Credits Total Days Credits S				N. State	824151			824173	
Calculation of Expenditure Days Credits         Calculation of Expenditure Days Credits         Total Expenditures         Total Days Credits         S         instructions         Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.         For Office Use Only         Instructions         Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.	Pertormed on Claim(s)				004150			024174	
Calculation of Expenditure Days Credits         Calculation of Expenditures         Total         Total Expenditures         Days Credits         S         Instructions         Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.         For Office Use Only         Total Days Cr. Date Recorded         Mining R corder         Mining R corder         Marc H 6, 1989					824152			024174	
Calculation of Expenditure Days Credits         Total Total Expenditures         Total Days Credits         S         Instructions         Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.         For Office Use Only         Instructions         Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.					824153		188	824175	
Total Days Credits       Total Days Credits         S $\div$ 15       =       Total number of mining claims covered by this report of work.         Instructions       Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.       For Office Use Only       Ic TING         Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected       For Office Use Only       Ic TING         Total Days Cr. Date Recorded       Mining R order       Mining R order	Calculation of Expenditure Day	rs Credits		144	824154		341 43	824176	
$S \\ for Office Use Only \\ \hline CTING \\ \hline Constructions \\ Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right. \\ \hline C$	Totai Expenditures	Day	Total s Credits	1. S.A.					
Instructions Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.	6	] <u>+</u> [15] = [		L			Total aver		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.  For Office Use Only  C TiNG  Total Days Cr. Date Recorded  Mining R corder  Mining R corder  ARCH 6, 1989							claims cov	ered by this	44
choice. Enter number of days credits per claim selected in columns at right. Total Days Cr. Date Recorded Mining R. Order March 6, 1989	Total Days Credits may be a	pportioned at the claim i	holder's	[	en Office Has	Only			
Recorded MARCH 6, 1989	choice. Enter number of day in columns at right.	s credits per claim select	ed	Total Days C	Date Recorde	d d	Mining B	order	Ϊ
	L			Recorded	MARCH 4	6, 1989		1 Initial	Vogeo
Date Recorded Holder or Adent (Signature) OOA Date Approved as Recorded Branch Director	Date Re	chised Holder or Agent (	Signature)	000	Date Approve	Recorded	Branch Dir	perce .	7
28 February 1989 Wand yrugh 600 Successed Hadement	28 February 1989	Navid yrul	Δ	600	Jole 13	<u> </u>	1 pt Ca	hener	
Certification Verifying Report of Work	Certification Verifying Repo	ont of Work	noudades et	the facts out for	th in the Pancel	of Work and	ved bereto	aving performed	the work
or witnessed same during and/or after its completion and the annexed report is true.	or witnessed same during an	d/or after its completion	and the ann	exed report is tr	ue.	US WORK anne	Act Herett, f	rearing benotimed	LIC WORK
Name and Postal Address of Person Certifying	Name and Postal Address of Per	rson Certifying							
David Unger. c/o UMEX Inc, P.O. Box 22, 150 King Street West, Toronto, Ontario M5H 1J9	David Unger, c/o	UMEX Inc, P.O.	Box 22,	150 King	Street We	<u>est, Toro</u>	nto, On	tario MpH	109
28 February 1989	1				28 Febru	ary 1989			1.
1362 (85/12)	1362 (85/12)				1		- prove	une my	<u>~}</u>

-----



		File
		2.12234
Date		Mining Recorder's Report of
March 2	3, 1989	W8903-044

#### Recorded Holder Umex\_Inc\_\_\_\_\_\_ Township of Area Tarp Lake Area

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic days	
Magnetometer days	PA 824133 to 151 incl. 824153 to 176
Radiometric days	
Induced polarization days	
Other days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological days	
Geochemical days	
Man days 🗌 Airborne 🗌	
Special provision 🕅 Ground 🕅	
Credits have been reduced because of partial coverage of claims.	
Credits have been reduced because of corrections to work dates and figures of applicant.	
Special credits under section 77 (16) for the following	mining claims
10 days	
PA 824152	
No credits have been allowed for the following mining	claims
not sufficiently covered by the survey	insufficient technical data filed
The Mining Recorder may reduce the above credits if necessary	y in order that the total number of approved assessment days recorded on each claim does not

exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.

# UMEX INC

February 28, 1989

G. 89111

Ministry of Northern Development and Mines Mining Lands Section 880 Bay Street, 3rd Floor Toronto, Ontario M5S 128

Dear Sir:

Enclosed is a geological report and map for a geological survey performed over 44 claims in the Tarp Lake Area (G-2231) of northwestern Ontario. A Technical Data Statement and a photocopy of the Report of Work are also enclosed. The original of the Report of Work has been forwarded to the Sioux Lookout Mining Recorder.

Yours truly,

David Unger Senior Geologist

DU/jag Encl. RECEIVED

MAR 6 1989

MINING LANDS SECTION



Ministry of Northern Development and Mines

### Geophysical-Geological-Geochemical Technical Data Statement

File	
------	--

#### 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 Area       Tarp Lake Area       G-2231         Claim Holder(s)       UMEX Inc       MINING CLAIMS TRAVEL         Survey Company       As above       Pa 824133       Pa 824133         Author of Report       David Mullen       Number of Mullen       Pa 824133	<b>SED</b>
Claim Holder(s)     UMEX Inc     List numerically       Survey Company     As above     Pa 824133     Pa 824133       Author of Report     David Mullen     (prefix)     (num	55
Survey Company As above Pa 824133 Pa 8241 Author of Report David Mullen (prefix) (num	55
Address of Author735 Melrose Blvd., Timmins, ON P4N 5H9	ber) 56
Covering Dates of Survey (linecutting to office)	<u> 5/</u>
Total Miles of Line Cut 824136 8241	58
824137 8241	59
SPECIAL PROVISIONS DAYS 824138 8241 CREDITS REQUESTED On the per claim	60
Geophysical -Electromagnetic 824139 8241	61
ENTER 40 days (includes line cutting) for first	62
survey. –Radiometric 824141 8241	63
ENTER 20 days for each –Other additional survey using Coolories 20 824142 8241	64
same grid. Geochemical	65
AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys) 824144 8241	66
Magnetometer Electromagnetic Radiometric (enter days per claim) 824145 8241	6.7
DATE: 28 February 1989SIGNATURE: Aug 1989SIGNATURE: 824146 8241	6.8
Author of Report of Agent 824147	6.9
824148 8241	7.Q
Res. Geol Qualifications 2./8/4/ 824149 8241	71
Previous SurveysFile No.TypeDateClaim Holder8241508241	72
824151 8241	73
824152 8241	74
824153.8241	75
824154 8241	76
TOTAL CLAIMS	44

**OFFICE USE ONLY** 

## GEOPHYSICAL TECHNICAL DATA

<u>c</u>	<u>GROUND SURVEYS</u> – If more than one survey, s	pecify data for each ty	pe of survey	
N	umber of Stations	Number o	f Readings	•
S	tation interval	Line space	ng	
P	rofile scale		шв	
C	ontour interval			
Ŭ				······
	Instrument			
IIC	Accuracy – Scale constant			<u> </u>
NE	Diurnal correction method			
TAC	Base Station check-in interval (hours)			
~	Base Station location and value			
				······
<u>u</u>	Instrument			
ETI	Coil configuration			
GN	Coil separation			
MA	Accuracy			
IRC	Method:	Shoot back	🗔 In line	🗔 Parallel line
EC	Frequency			·····
Ξ	Parameters measured	(specity V.L.F. station)		
	Instrument			
	Scale constant			
건	Corrections made			
M				
GR	Base station value and location			<u> </u>
•				
	Elevation accuracy			
	Instrument			
	Method Time Domain	🗀 Fr	equency Domain	
	Parameters – On time	Fr	equency	
×	- Off time	Ra	ange	
H	— Delay time		-	
NI I	- Integration time	· · · · · · · · · · · · · · · · · · ·		
ESIS	Power			
R	Electrode array		<u></u>	
	Electrode spacing			
1	Type of electrode			·
	-/r · · · · · · · · · · · · · · · · · · ·			

INDUCED POLARIZATION

# ••

SELF POTENTIAL	
Instrument	Range
Survey Method	
Corrections made	
KADIOMETRIC	
Instrument	
Values measured	
Energy windows (levels)	
Height of instrument	Background Count
Size of detector	······································
Overburden(type, depth	- include outcrop map)
OTHERS (SEISMIC, DRILL WELL LOGGING ETC	2.)
Type of survey	
Instrument	
Accuracy	
Parameters measured	
	······································
Additional information (for understanding results)	
• • • • • • • • • • • • • • • • • • •	
AIRBORNE SURVEYS	
Type of survey(s)	
Instrument(s)	
(specify for	each type of survey)
Accuracy	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

••

Numbers	of	claims	from	which	samples	taken
---------	----	--------	------	-------	---------	-------

Total Number of Samples	ANAL VTICAL METHODS					
Type of Sample	Values expressed in the per cont					
(Nature of Material)	p. p. m.					
Average Sample weight	p. p. b.					
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	No. (tests					
~ 	Extraction Method					
	Analytical Method					
	Reagents Used					
SAMPLE PREPARATION	Commercial I choratory (					
(Includes drying, screening, crushing, ashing)	Nome of Laboratory					
Mesh size of fraction used for analysis	Name of Laboratory					
	Extraction Method					
	Analytical Method					
	Reagents Used					
	General					
General						



ATIK LAKE G-1938

90°00' 914852191485119148501914 51°37'30" 8 1914387 1914398 914 391 1914 1914386 9143891 914390 914 之前一十六 903460 9031 767 903470 903 01 Pe Pc ||Pa //Pe 903461 903466 90347/1 90357 Po Po L/ Po Po 903 462 903 465 903472 903577 1006273 1006274 1006275 Po Po 903463 903454 903473 903578 1006272 1006271 1006270 P0 821387 1921388 821397 06267, 1P0 1821381 *,* Po ' h Po 893995 899994 893993 Pa Pa Pa Pa Pa Pa Pa 1006259 1006262 1006265 1 1821382 821386 821390 821395 8214 Tarp 182138.0 + Po Po Po Po 1006258 10062634 3 893989 893988 893987 13 821376 821379 821384 821391 821394 821401 821375 Po Po Po Po Po Po Po Po B93982 (893983 893984 893985 893986 B21377 821378 B21383 821392 821374 1821373 824133 824134 824135 824136 824137 62413.8 893979 893980 893981  $\sim$ 82414 / 1824143 824142 824141 824 40 893978 893977 893976 Lake 24145 824146 824197 824 48 B24150 (824149 | 893973 87 5974 873975 824160 824159 824178 824157 \$824756 824155 10 A-18939 72 18939 77 1 893970 0527 531030 531031 531032 824161 824192 6502 6501 518004 531021 P0 P0 531034 16477 1 6478 6499 -531036 P0 P0 P0 P0 P0 500529 6479 6480 6481 6498 51252 4 57713 577714 51027 6485 531026 Po Po Po Po 510515 510514 648/3 6484 6497 1902768 10027 11 10027 12 100274 1002751 1002762 769900 769 901 769902 769938 769940 769940 769941 42 1002763 1002766 1002769 1002779 1002779 173/9282 739224 1992 1002766 1002769 1002779 1002799 173/9282 1739224 1992 1002769 Po Pd 769905 269904 769903 769945 769944 769943 7 769942 \_\_\_\_\_\_\_ 17699061769907 769908 1769909 76994/6 1769947 1764948 769949 200 200 1769907 1769908 176994/6 1769947 1764948 1769949 4 M .... 739231 739 220 738487 7384 769910 
 Po
 Po
 Po
 Po
 Po

 863202
 1872542
 1872543
 672544
 672545
 672546
 17<u>38490</u> 739216 739215 739214 739213 73 849 1 32' 1 769923 769922 762 921 769920 769919 769918 769917 73921 Pa Pa Pa Pa 672547 672598 672549 672550 672551 769924 769925 769926 769927 769928 769929 769930 739217 739218 739219 39220173922 73844 738437 738438 738439 672,552 Po 666 Po 3 Aururu - 667 5 2076 2077 2141 486330 Po 486331 Po Po Po 486329 486328 850526850527 / 8505 28 /850529 646255 64625 6 850 53 2 850 53 3 850 53 4 85 0 53 5 
 P0
 P0
 P0

 F558720
 P0

 558714
 71

 P0
 P0
 1 Po 7 5 9 0 58706558707 558710 558711 718808 740 **\P**0 725 Po Po Po 738 737 
 738
 749
 Pa
 1558713 558716 558719 718809 • 741 -73<sup>6</sup> 1558718 558717 ۲ - 51°30'

_	REFERENCE	
	AREAS WITHDRAWN FROM D	DISPOSITION
	M.R.O MINING RIGHTS ONLY	e la
	S.R.O SURFACE RIGHTS ONL	Y.
	M.+ S MINING AND SURFACE	RIGHTS
	Description Close Ho. Date Date	
	JUNE 4/87	<u>.</u>
	300 ( 1	-
	Aug. 13/87	
	SAND and GRAVEL	
	(G) GRAVEL EU E 142526	· ·
	() GRAVEL FILE 142820 (6) MTC GRAVEL PIT 996	-
	(a) MNR GRAVEL PIT 200, FILE 142626	
	(€3) GRAVEL FILE 187749 ▲ Land Use Primit For S.R.D.	
		•
	IFGEND	
ļ		~
ĺ	HIGHWAY AND ROUTE No	
	OTHER ROADS TRAILS	
	SURVEYED LINES	
	TOWNSHIPS, BASE LINES, ETC. LOTS, MINING CLAIMS, PARCELS, ET	rc
	PARCEL BOUNDARY	
~	MINING CLAIMS ETC RAILWAY AND RIGHT OF WAY	
3	UTILITY LINES	
S I	NON-PERENNIAL STREAM	
1	SUBDIVISION OR COMPOSITE PLAN	
•	RESERVATIONS	
	ORIGINAL SHORELINE MARSH OR MUSKEG	
Ξ	MINES	*
<	TRAVERSE MONUMENT	<del>•</del>
~	DISPOSITION OF CROV	VN LANDS
400	TYPE OF DOCUMENT	SYMBOL
LOON	TYPE OF DOCUMENT PATENT, SURFACE & MINING RIGHTS	<u>SYMBOL</u>
IST LOON	TYPE OF DOCUMENT PATENT, SURFACE & MINING RIGHTS SURFACE RIGHTS ONLY MINING RIGHTS ONLY	<u>SYMBOL</u> • • •
IRSTLOON	TYPE OF DOCUMENT PATENT, SURFACE & MINING RIGHTS 	<u>SYMBOL</u> • • •
FIRSTLOON	TYPE OF DOCUMENT PATENT, SURFACE & MINING RIGHTS ".SURFACE RIGHTS ONLY MINING RIGHTS ONLY LEASE, SURFACE & MINING RIGHTS ".SUREACE RIGHTS ONLY	<u>SYMBOL</u>
FIRSTLOON	TYPE OF DOCUMENT PATENT, SURFACE & MINING RIGHTS ".SURFACE RIGHTS ONLY MINING RIGHTS ONLY LEASE, SURFACE & MINING RIGHTS ".SUREACE RIGHTS ONLY ".MINING RIGHTS ONLY LICENCE OF OCCUPATION	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT PATENT, SURFACE & MINING RIGHTS "SURFACE RIGHTS ONLY "MINING RIGHTS ONLY LEASE, SURFACE & MINING RIGHTS "SUREACE RIGHTS ONLY "MINING RIGHTS ONLY UICENCE OF OCCUPATION ORDER-IN-COUNCIL	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT PATENT, SURFACE & MINING RIGHTS "SURFACE RIGHTS ONLY "MINING RIGHTS ONLY LEASE, SURFACE & MINING RIGHTS "SUREACE RIGHTS ONLY "MINING RIGHTS ONLY LICENCE OF OCCUPATION ORDER-IN-COUNCIL RESERVATION CANCELLED	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS         "SURFACE RIGHTS ONLY"         "MINING RIGHTS ONLY"         LEASE, SURFACE & MINING RIGHTS"         "SUREACE RIGHTS ONLY"         "MINING RIGHTS ONLY	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS         "SURFACE RIGHTS ONLY	SYMBOL O O O O O O O O O O O O O
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS         "SURFACE RIGHTS ONLY	SYMBOL O O O O O O O O O O O O O
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS         "SURFACE RIGHTS ONLY"         "MINING RIGHTS ONLY"         LEASE, SURFACE & MINING RIGHTS"         SUREACE RIGHTS ONLY"         "NINING RIGHTS ONLY"         "MINING RIGHTS ONLY"         CANCELLED         SAND & GRAVEL         NOTE: MINING RIGHTS IN PARCELS PATENTING ACT, R.S.O. 1970, CHAP. 38	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS         "SURFACE RIGHTS ONLY"         "MINING RIGHTS ONLY"         LEASE, SURFACE & MINING RIGHTS"         "SUREACE RIGHTS ONLY"         "MINING RIGHTS ONLY"         CANCELLED         SAND & GRAVEL         NOTE: MINING RIGHTS IN PARCELS PATENTISTICS ONLY	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS ONLY	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS ONLY	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS ONLY	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS         "SURFACE RIGHTS ONLY"         "MINING RIGHTS ONLY"         "SUREACE RIGHTS ONLY"         "SUREACE RIGHTS ONLY"         "SUREACE RIGHTS ONLY"         "SUREACE RIGHTS ONLY"         "MINING RIGHTS ONLY"         CANCELLED         SAND & GRAVEL         NOTE: MINING RIGHTS IN PARCELS PATENTISTY, VESTED IN ORIGINAL PATENTISTY, VESTED IN ORI	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS         "SURFACE RIGHTS ONLY"         "MINING RIGHTS ONLY"         "SURFACE & MINING RIGHTS"         "SUREACE RIGHTS ONLY"         "SUREACE RIGHTS ONLY"         "MINING RIGHTS ONLY"         CANCELLED         SAND & GRAVEL         NOTE: MINING RIGHTS IN PARCELS PATENTISTY, VESTED IN ORIGINAL PATENTIANS ACT, R.S.D. 1970, CHAP. 30         SCALE: 1 INCH = 40 CHAINS         FEET         0       1000         0       200         1000       2000         4000         AREA	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS ONLY	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS         "SURFACE RIGHTS ONLY"         "MINING RIGHTS ONLY"         "SURFACE & MINING RIGHTS"         "MINING RIGHTS ONLY"         "MINING RIGHTS ONLY"         "ICENCE OF OCCUPATION         ORDER-IN-COUNCIL         RESERVATION         CANCELLED         SAND & GRAVEL         NOTE: MINING RIGHTS IN PARCELS PATENT         1913, VESTED IN ORIGINAL PATENT         LANDS ACT, R.S.O. 1970, CHAP. 38         SCALE: 1 INCH = 40 CHAINS         FEET         0       1000         0       200         1000       200         4000         ORDER INCHTS         SCALE: 1 INCH = 40 CHAINS         FEET       1000         0       200         1000       4000	SYMBOL SYMBOL O O O O O O O O O O O O O
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS ONLY	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS ONLY	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS ONLY	SYMBOL 
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS         "SURFACE RIGHTS ONLY"         "MINING RIGHTS ONLY"         "SURFACE & MINING RIGHTS"         "MINING RIGHTS ONLY"         "SURFACE & MINING RIGHTS"         "SURFACE & MINING RIGHTS"         "MINING RIGHTS ONLY"         CANCELLED         SAND & GRAVEL         NOTE: MINING RIGHTS IN PARCELS PATEN         1913, VESTED IN ORIGINAL PATENLANDS ACT, R.S.O. 1970, CHAP. 30         SCALE: 1 INCH = 40 CHAINS         FEET         0       1000         0       200         1000       2000         4000         0       200         1000       200         0       1000         0       200         1000       4000         0       200         1       XMI         AREA       TARP LAK         M.N.R. ADMINISTRATIVE DISTR         SIOUX LOOKOUT         MINING DIVISION         PATRICIA <td>SYMBOL OC OC OC OC OC OC OC OC OC OC</td>	SYMBOL OC OC OC OC OC OC OC OC OC OC
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS ONLY	SYMBOL SYMBOL
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS ONLY	SYMBOL SYMBOL
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS ONLY	SYMBOL SYMBOL SYMBOL SUBSECLE SION PORTION )
FIRSTLOON	TYPE OF DOCUMENT PATENT, SURFACE & MINING RIGHTS "SURFACE RIGHTS ONLY MINING RIGHTS ONLY SUREACE RIGHTS ONLY SUREACE RIGHTS ONLY MINING RIGHTS ONLY LICENCE OF OCCUPATION ORDER-IN-COUNCIL RESERVATION CANCELLED SAND & GRAVEL NOTE: MINING RIGHTS IN PARCELS PATEN 1913, VESTED IN ORIGINAL PATER LANDS ACT, R.S.O. 1970, CHAP. 30 SCALE: 1 INCH = 40 CHAINS FEET 0 1000 2000 4000 0 200 1000 METRES (11 KM) AREA TARPACAS SIOUX LOOKOUT MINING DIVISION PATRICIA LAND TITLES / REGISTRY DIVIS KENORA (PATRICIA	SYMBOL SYMBOL SYMBOL SUBSEC
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS ONLY	SYMBOL SYMBOL SYMBOL SUBSEC
FIRSTLOON	TYPE OF DOCUMENT PATENT, SURFACE & MINING RIGHTS. "SURFACE RIGHTS ONLY MINING RIGHTS ONLY "MINING RIGHTS ONLY "MINING RIGHTS ONLY "MINING RIGHTS ONLY "MINING RIGHTS ONLY LICENCE OF OCCUPATION ORDER-IN-COUNCIL RESERVATION CANCELLED SAND & GRAVEL NOTE: MINING RIGHTS IN PARCELS PATEN 1913, VESTED IN ORIGINAL PATEN LANDS ACT, R.S.O. 1970, CHAP. 38 SCALE: 1 INCH = 40 CHAINS FEET 0 1000 2000 4000 0 200 1000 METRES (11 KM) AREA TARPALAK M.N.R. ADMINISTRATIVE DISTR SIOUX LOOKOUT MINING DIVISION PATRICIA LAND TITLES / REGISTRY DIVIS KENORA (PATRICIA Norther RESOURCES AND MINISTRATICE AND M	SYMBOL SYMBOL SYMBOL SUBSECLE SU
FIRSTLOON	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS ONLY	SYMBOL SYMBOL SYMBOL SUBSECLE SU
FIRSTLOON	TYPE OF DOCUMENT PATENT, SURFACE & MINING RIGHTS 	SYMBOL SYMBOL SYMBOL SUBSECLE SU
515901	TYPE OF DOCUMENT         PATENT, SURFACE & MINING RIGHTS ONLY	SYMBOL SYMBOL SYMBOL SUBSECLE SU

90°00'

