



41014SE0044 12 MCNAUGHT

Diamond Drilling

010

Township of McNAUGHT

Report NO: 12

Work performed by: Ontario Rare Metal Mines Limited

Claim NO	Hole NO	Footage	Date	Note
S 74421	1-DUNN#3	642.5'	Nov/54	
S 74313	2-DUNN#4	755'	Dec/54	
S 74307	3-DUNN#1	338'	Dec/54	
S 74322	4-DUNN#2	274'	Jan/55	
S 74315	5	136'	Jan/55	
(S 74305)		136'		

Notes:

DIAMOND DRILL RECORDPROPERTY ONTARIO RARE METAL MINES LIMITED  
Nemegos, OntarioDRILL HOLE NO. 1 - Dunn #3Location Lat. 4495 N Dep. 5700 WSTARTED November 26/54Bearing N 50° W.FINISHED December 3/54Dip -45°DEPTH 642.5'

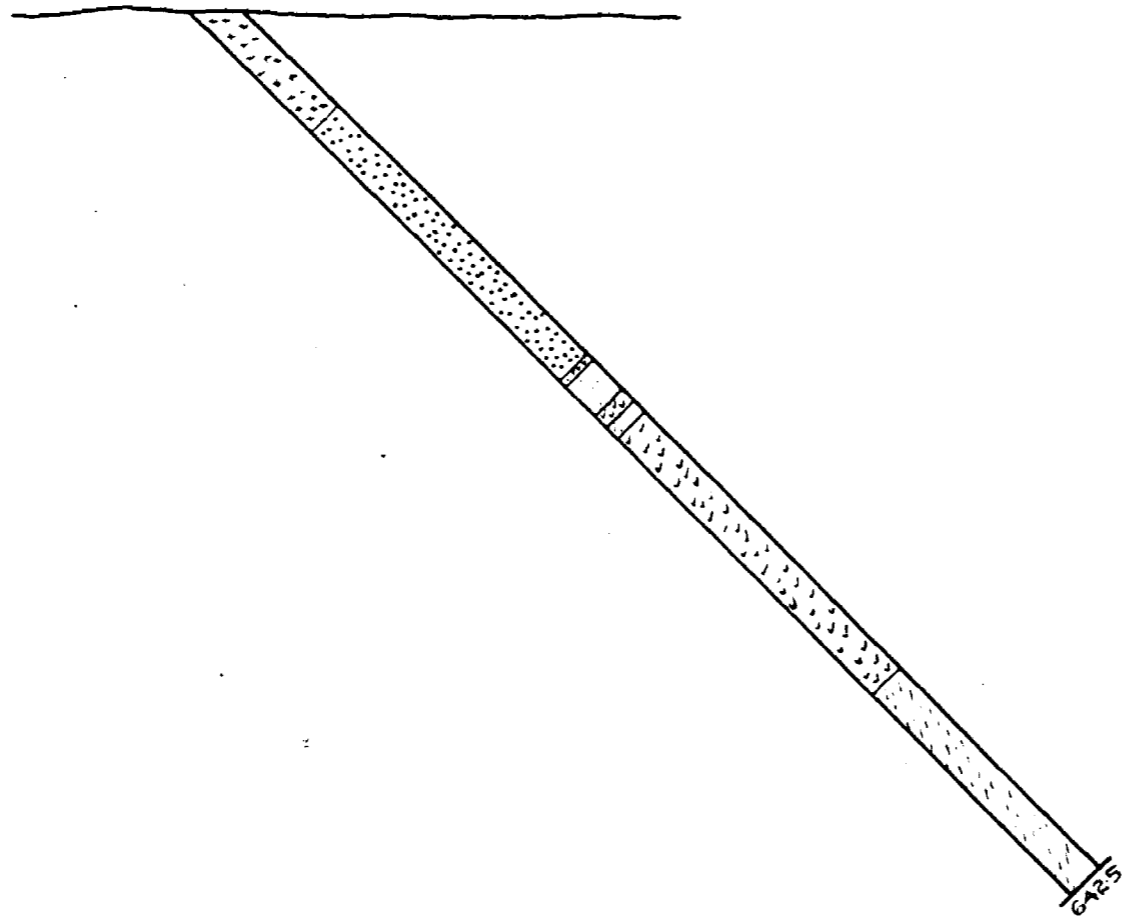
Depth Feet	Formation	Sample No.	Footage	Width	% Cb
0 - 79.0	CASING.				
79.0 - 264.0	Gabbro, medium grained. 60% hornblende altered partly to chlorite. Some magnetite - enough in places to move Brunton compass needle. Minor sulphide - pyrite. Lamprophyre dykes frequent - biotite and calcite. Dykes 98-100, 104-105, 108-110, 131-132, 134-137, 143-144, 154-155, 156-157, 161.5-162.5 (specimen 161-162), 187-187.5, 209-214, 231-233, 243.5-245. Coarser dioritic phases at 176-177, 189-190, 182-183.5. Magnetite more common in short lengths replacing hornblende and often adjacent to lamprophyre dykes. 197.5-198.5 (specimen) 233-233.5, 237-241, 241-243.5 less, 245+247 less.				
264.0 - 267.0	Gradational change to pinkish phase or pinkish syenite. No evidence of nepheline.				
267.0 - 291.0	Biotite lamprophyre. Brecciated appearance with biotite lumps in white calcite.				
291.0 - 299.0	Sheared light coloured rock with small lamprophyre threads. Some pinkish areas, could be nepheline.	0922	291-299	8.0'	N.D.
299.0 - 308.0	Fine grained lamprophyre.				
308.0 - 439.0	Gneiss - varies from syenite to diorite Layering at 150°. Minor pyrite. Small dykelets of lamprophyre 341-343, 344-345, 352-353, 399-400. Some coarse calcite and hornblende altered to chlorite. Probably pegmatitic lenses. Small shear at 404-405. Specimen 420. Some pinkish feldspar. No visible nepheline.				
439.0 - 445.0	Almost massive fine grained biotite syenite. Golden biotite in cracks. Could be some nepheline.	0923	439-445	6.0'	.02 (approx.)





PROPERTY ONTARIO RARE METALSDRILL HOLE NO. 1 - Dunn #3

Depth Feet	Formation	Sample No.	Footage	Width	% Cb
445.0 - 468.0	Gneiss - similar to 308-439 but layering less distinct. Lamprophyre 445-446 and 450-451. Some pegmatitic spots with pink feldspar and green epidote.				
468.0 - 496.0	Green hornblende gneiss- 70% hornblende. Some lengths have biotite. Specimen 476.				
496.0 - 642.5	Sharp contact at 20° with fine grained massive dark green rock. A 1-ft. chilled contact. Almost certainly diabase. Specimen 622. Parts quite magnetic. From 620 is medium grained and resembles gabbro at start of hole. Lamprophyre dykes 502-503, 524-525, 555-556.5, 564-566, 588-589, 592-595, 611-615.				

END OF HOLE

Core Recovery very good.



-  - Overburden
-  - Gabbro
-  - Gneiss - Granite to Amphibolitic
-  - Lamprophyre Dykes

DIAMOND DRILL SECTION NO. 1  
 OF  
 ONTARIO RARE METAL  
 MINES LIMITED

SCALE 1" = 100'

FEB/55

DIAMOND DRILL RECORD

PROPERTY	<u>ONTARIO RARE METAL MINES LIMITED</u> <u>Nemegos, Ontario</u>	DRILL HOLE NO. <u>2 - Dunn #4</u>
LOCATION	<u>Lat. 4200 N.</u> <u>Dep. 6120 W.</u>	STARTED <u>December 4, 1954</u>
BEARING	<u>N 43° W</u>	FINISHED _____
DIP	<u>-45°</u>	DEPTH <u>755 Ft.</u>

Depth Feet	FORMATION	Sample No.	Footage	Width	% Cb
0 - 106.0	CASING				
106.0 - 121.8	Gneiss, biotite and hornblende medium grained to porphyroblastic textured. Grey with white and red feldspar areas, syenitized. 106.5 - 108.5 lamprophyre massive. Contact 60° to core. Specimen No. 1 at 108'. Spec. #1 108'				
	119 - 121.8 altered, syenitized, car- bonated. Several small patches and veinlets of dark material - soft. Specimen #3 at 120'. Spec. #3 120'				
	112 - 114 biotite, banded at 40°. Spec. #2 125'				
	Mottled and brecciated, fragments of white feldspar, veinlets of golden biotite.				
121.8 - 181.0	Gneiss, medium to coarse grained, porphyro- blastic in texture. Biotite hornblende, areas of pink feldspar with pods of white feldspar. Syenitized in part Spec. #4 132'	0958	124.0-134.0	10.0	Tr.
	128 - 129 Lost Core				
	130 - 131 " "				
	137 - 138 " "				
	147 - 148 " "				
	134.0 - 157.0 lamprophyre, coarse to medium grained. Biotite and calcite in small rounded blebs and patches. Spec. #5 149.2'				
	157.0 - 159.0 gneiss, medium grained Could be tuff. Bright green crustation on some sillage planes.				
	159.0 - 161.5 biotite, fine grained golden biotite in veinlets. Fine threads of light green colored material, soft. ½ veinlet of calcite with bleb of magnetite. Spec. #6 160'				
	161.5 - 181.0 syenitized. Areas of red feldspar. Some fracturing, veinlets of bright green material. Minor sulphides. Pyrite and laminated pyrite on fractured planes. 172.2 Spec. No. 7 - biotite dyke 173.5- Spec. #7 172.2'	0962	165.0-175.0	10.0	30 Metals not of interest
	174.5.				

Property Ontario Rare MetalsDrill Hole No. 2 Dunn #4

Depth Feet	FORMATION	Sample No.	Footage	Width	% Cb
181.0 - 213.0	Gneiss, biotite hornblende, porphyroblastic - medium grained, gray to pink. Syenitized in sections. Specks of golden biotite throughout most of core, carbonate common.				
	186.0 - 187.0 pink fragment of feldspar.				
		Spec. #8	181.2'		
	189.5 - 196.0 grey with pink spots. Syenite.				
	192.5 - 193.5 biotite, carbonated.				
	196.0 - 205.0 lamprophyry dyke, coarse-grained, some calcite stringers.				
	196.0 - 205.4 lamprophyre.				
	198.5 calcite stringer with thread of pyrrhotite with spot of chalcopyrite.				
	204.7 $\frac{1}{2}$ " dikelet. Fine grained lying at 20°.	Spec. #9	224'		
	Biotite.	Spec. #10	210'		
	205.4 - 210.5 light grey medium grained. Blebs of pink feldspar with threads of bright green material.				
213.0 - 258.0	Gneiss, gray to pink - medium grained and coarse. Porphyroblastic biotite and hornblende - syenitized in sections.				
	215.0 - 225.5 lamprophyre dike. Coarse grained. Contact 20°.				
	225.5 - 228.5 syenite, pink blebs rounded and angular, with bright green material in threads.	Spec. #11	227.5'		
	228.5 - 234.5 biotite medium grained, some minor sulphides, pyrrhotite. Contact chilled 20°.				
	234.5 - 241.5 gneiss, lying at 40° bedding, shearing with biotite. Some area large pink feldspars - coarse, could be pegmatite. Specks of golden biotite.				
	241.5 - 244.0 lamprophyre, coarse grained. Contact 60°.				
	244.0 - 256.0 syenitized, nepheline? Coarse grained. Some dark patches, waxy color. Minor sulphides. Pyrite. Check for sampling.	Spec. #13	251.0'		
		Spec. #12	253.0'		
	256.0 - 258.0 biotite, medium grained. Alteration close to lower contact, calcite, minor sulphides, pyrite, specks of golden biotite.				

Property Ontario Rare MetalsDrill Hole No. 2 - Dunn #4

Depth Feet	FORMATION	Sample No.	Footage	Width	% Cb
258.0 - 298.0	Gneiss, coarse grained, biotite and hornblende. Syenitized. Pink and green blebs and spots. Somewhat brecciated looking. 263.0 - 266.0 bleach, fractured. 271.5 1" veinlet lying at 40°. Pink and white feldspar. Check for sampling 258.0 - 271.8 - 282.5. 282.5 minor sulphides. Pyrite. 282.5 - 283.0 biotite, massive. Medium grained, carbonated.				
298.0 - 507.1	Gneiss, grey and pink, medium grained to coarse. Porphyroblastic in part, with some angular fractured blebs of white and pink to red feldspar. Biotite-hornblende gneiss. 298.0 - 304.0 biotite, medium grained. Some alteration, calcite contact 45°. 304.0 - 318.4 ranging from light grey to mottled red. (Porphyroblastic) pro. syenitized. Check for sampling. 318.4 - 319.3 coarse. Pegmatite. 319.3 - 361.5 biotite, grey to black. 338.0 .5 pink feldspar. 344.5 - 345.5 white massive feldspar, could be pegmatite. 349.0 - 352.0 same. 361.5 - 363.0 lamprophyre dike, contacts gradual, some biotite. 363.0 - 373.5 biotite. Blebs and band of fine grained very light green material. Some carbonate in spots. 373.5 - 380.0 coarse grained patches of red feldspar. 380.0 - 383.5 biotite, some calcite. 383.5 - 420.0 coarse grained areas of pink feldspar with light green material. Check for sampling. At 399.0 vug. 411.0 - 413 biotite, 420.0 - 425.0 lamprophyre dike. Coarse grained, some biotite. 434.0 - 446.0 lamprophyre. Coarse grained. Minor pyrite. 446.0 - 460.0 syenitized. Red feldspar. Minor sulphides on sillage planes. Pyrite. Check for sampling. 460.0 - 461.0 lamprophyre. Some calcite.	Spec. #14 Spec. #15 Spec. #16	319.0' 320.0' 410.0'		

Property Ontario Rare Metals Drill Hole No. 2 - Dunn #4

Depth Feet	FORMATION	Sample No.	Footage	Width	% Cb ' /
298.0 - 507.1 (cont'd)	461.0 - 465.0 bedding at 40°. Porphyroblastic, peas and grains of white and red feldspar. 478.0 - 479.0 ) yellow material 425.0 - 476.0 ) checked with Multi - not same. For Identification - Spec. #18 490.0 - 492.0 lamprophyre at 90°. 492.0 - 507.1 coarse grained. white and red feldspar. Porphyroblastic and arkosic. Bedding at 30°. Some angular fragments of white and red feldspar. Fractured, also areas of pink feldspar. Yellow material noted at 490.5. 493.3 flat seam. 498.0 in shear and at 495.0 also several light green blebs. (Check for sampling).	Spec. #17 (0957) (Box 17)	465.0 (check for sampling) 30-metal - nothing unusual		
507.1 - 571.0	Gneiss, medium grained. (Biotite hornblende gneiss). Porphyroblastic to arkosic texture but spots becoming rarer. 507.1 - 511.5 lamprophyre, patches of biotite, some carbonate. 511.5 - 517.0 small spots of pink feldspar. 512.4 - 513.4 biotite bands. Altered with carbonate. 517.0 - 571.0 finer grained, grey and pinkish. Considerable biotite. More like arkose, but still porphyroblastic. Spots being pea size and consist of white feldspar. 561.4 - 562.0 .6' shear. .3 quartz stringer followed by carbonate stringer. Also some red feldspar. Lying at 30°.				
571.0 - 618.0	Gneiss. Greyish - pink, medium grained, arkosic, porphyroblastic. Small grains of pink feldspar with occasional pea size and larger rounder spots of white feldspar. Some golden biotite in grains and fine bands with chlorite. 605.7 - 606.2 biotite band with carbonate spots, contact at 55°. 610.1 - 611.0 biotite band, shear lying at 50°, threads of massive biotite. 611.0 - 616.0 pinker. Coarser grained. Larger areas of red feldspar. Likely syenitized. 616.0 - 618.0 Altered zone. Chiefly biotite, fractured with small siliceous feldspathic veinlets. Some like red alteration. (Check for sampling).				



Property Ontario Rare Metals

Drill Hole No. 2 - Dunn #4

Depth Feet	FORMATION	Sample No.	Footage	Width	Cb %
618.0 - 657.5	Pegmatite, 50% quartz. Large crystals of red feldspar? Some fracturing, with small green veinlets.				
618.0 - 621.0	altered material, green, massive, likely epidote.				
627.0 - 628.0	fair molybdenite in seams, other small flakes observed in quartz and pegmatite.				
	Biotite massive - .8' siliceous section pinkish, carbonated. Speck of golden biotite. Green material with lump of biotite and short siliceous pink sections. Some disseminated pyrite.	<del>0924</del> 0925	615.5-618.5	3.0	} 30 Metals T.L. (.1%)
	Pegmatite with patches of green material. Epidote? Fair molybdenite.	0926	621.5-623.5	2.0	
	Pegmatite - 25% quartz. Lumps of massive biotite and threads and lumps of green material. Check pink spots for proctatinium???	0927	623.5-626.5	3.0	
	Pegmatite - 50% quartz. Some green threads, some specks molybdenite.	0928	626.5-628.5	2.0	} MoS <sub>2</sub> Tr.
	Pegmatite - 50% quartz. Balance pink feldspar. Specks of molybdenite 1 grain sized.	0929	628.5-631.5	3.0	
	Pegmatite - 90% quartz. Minor feldspar. Some specks molybdenite? Some lost core.	0930	631.5-634.5	3.0	
	Pegmatite - 60% quartz. Threads and patches of green fragments of feldspar .5' grey siliceous, well-mineralized pyrite.	0931	634.5-637.5	3.0	
	Pegmatite - 75% quartz threads and patches of green with .4 massive. Specks of molybdenite.	0932	637.5-640.5	3.0	
	Pegmatite - 50% quartz. Patches of green and pink. Epidote and feldspar? Some specks molybdenite?	0933	640.5-643.5	3.0	
	Pegmatite - 80% quartz. Fine green threads. Some specks molybdenite.	0934	643.5-647.5	3.0	
	Pegmatite - 75% quartz. Green threads. A few angular spots of feldspar, speck of molybdenite?	0935	647.5-650.5	3.0	
	Pegmatite - 50% quartz, balance patches of pinkish feldspar. A few specks of molybdenite?	0936	650.5-653.5	3.0	
	Pegmatite - 50% quartz. Balance of fractured feldspar. Specks of molybdenite. At 656' end of pegmatite.	0937	653.5-656.5	3.0	
656.0 - 656.5	biotite, massive, coarse-grained.				

Property Ontario Rare Metals Drill Hole No. 2 - Dunn #4

Depth Feet	FORMATION	Sample No.	Footage	Width	Cb%
657.5 - 709.0	Gneiss, biotite, hornblende, texture coarse grained. Porphyroblastic. Mottled. Pink and white with fine green threads and massive biotite veinlets. Feldspar. Lying at 40° - bedding. 657.5 - 659.0 biotite, coarse grained, massive. 682.5 - 683.0 white, feldspathic band, lying at 34°. 683.0 - 709.0 syenitized, areas of brick red feldspar. Also angular fragments of same. Gneiss, biotite. Pink and white feldspar. Check for protac? S. mineralization at 708'. Check for molybdenite or specularite.	0938	702.0-708.0	6.0	Tr.
709.0 - 718.0	Gneiss, biotite and hornblende. Coarse grained, large pink spots, syenitized. Shear or altered, minor sulphides, pyrite. At 716' large bleb of pyrrhotite.	0939	708.0-718.0	10.0	0.02
718.0 - 755.0	Gneiss, massive in sections, small veinlets of calcite. Fairly well mineralized in sections. Carbonate biotite gneiss. Altered and fractured. well mineralized in sections. Some slight syenitization, pink veinlets. 731.0 - 735.0 same syenitized - could be some nepheline. Some minor sulphide, disseminated and in aggregations. Pyrite and pyrrhotite. Golden biotite, disseminated throughout. 735.0 - 736.0 tuft - fine-grained. 740.0 - 741.0 fair sulphides, pyrrhotite. 741.0 - 755.0 syenite, could be nepheline. Carbonated, fairly well mineralized. Pyrite and pyrrhotite. Disseminated. Good core recovery.	0940	718.0-728.0	10.0	30 Metals T (.05%)
	Short siliceous sections. Carbonated. Syenitized. Nepheline? Fair mineralization. Pyrite and pyrrhotite. Gneiss. Biotite-hornblende. Carbonated. Well mineralized pyrite and pyrrhotite.	0941	728.0-731.0	3.0	
	Gneiss, biotite-hornblende. Carbonated. Some syenite, nepheline, several siliceous sections, fair sulphides, in disseminated and aggregation.	0942	731.0-741.0	3.0	
	Pyrrhotite and pyrite. Gneiss, biotite-hornblende. Carbonated. Some syenite. Nepheline. Some mineralized pyrite and pyrrhotite.	0943	741.0-751.0	10.0	

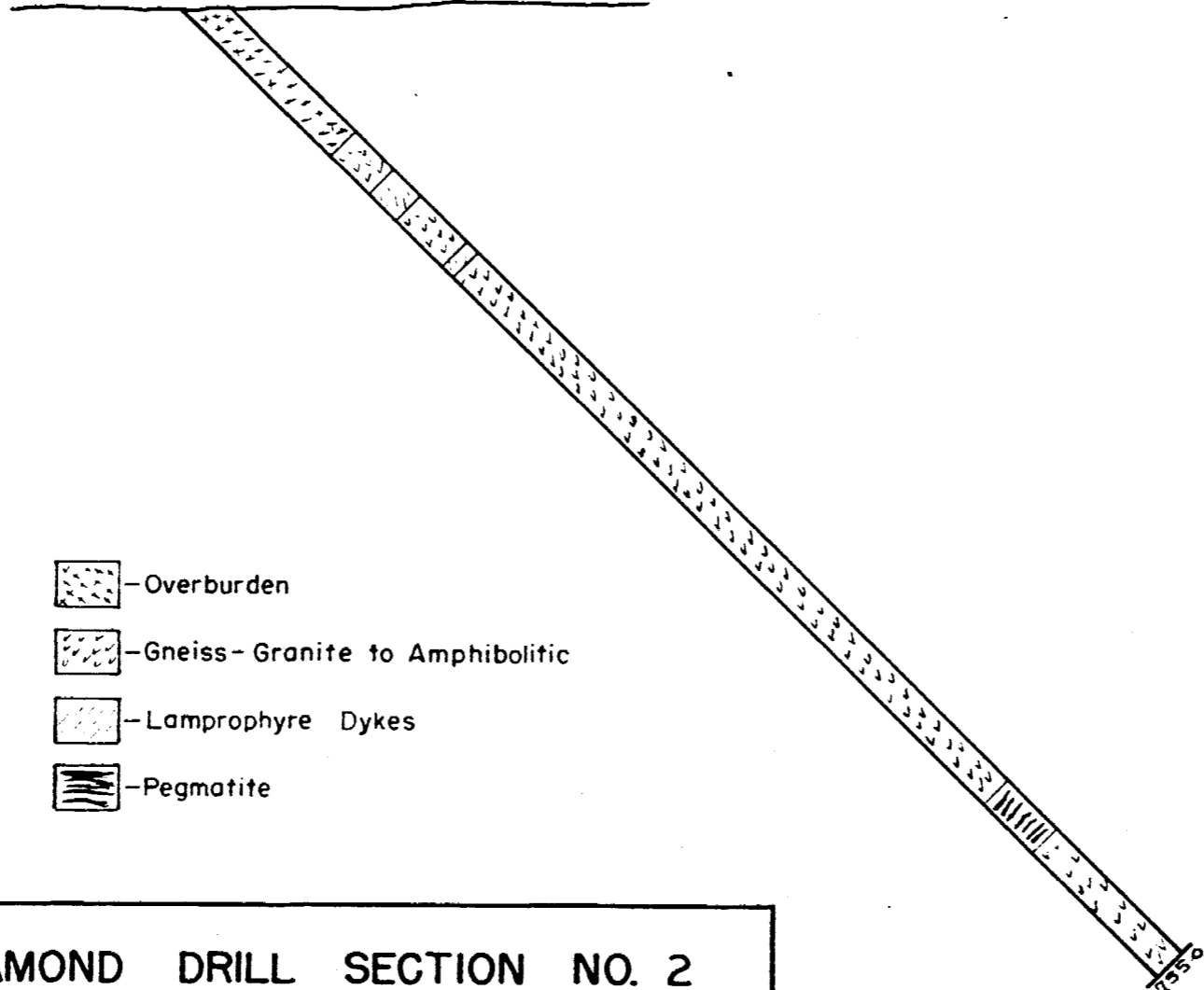
Property Ontario Rare MetalsDrill Hole No. 2 - Dunn #4





Depth Feet	FORMATION	Sample No.	Footage	Width	Cb%
718.0 - 755.0 (cont'd)	Gneiss, biotite-hornblende. Fractured minor sulphides. Disseminated pyrite.	<u>0944</u>	751.0-755.0	4.0	30 Metals T (.05%)

END OF HOLE

ADDITIONAL SAMPLES

0945	248.0-258.0	10.0 )	
0946	258.0-268.0	10.0 )	
0947	268.0-278.0	10.0 )	N11
0948	278.0-288.0	10.0 )	WO <sub>2</sub> N11
0949	288.0-298.0	10.0 )	(0947) U <sub>3</sub> O <sub>8</sub> N11



-  - Overburden
-  - Gneiss - Granite to Amphibolitic
-  - Lamprophyre Dykes
-  - Pegmatite

DIAMOND DRILL SECTION NO. 2  
OF  
ONTARIO RARE METAL  
MINES LIMITED

SCALE 1" = 100'

FEB/55

GDR

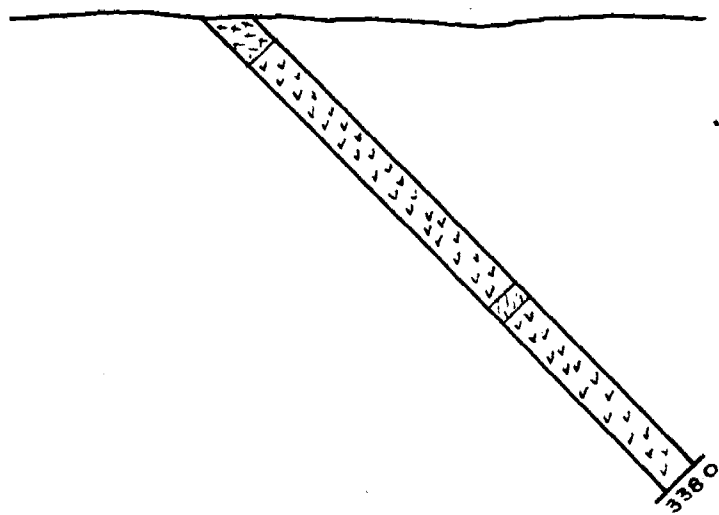
DIAMOND DRILL RECORD





PROPERTY	<u>ONTARIO RARE METAL MINES LIMITED</u> <u>Nemegos, Ontario</u>	Drill Hole No.	<u>3 - Dunn #1</u>
Location	<u>Lat. 3780 N.      Dep. 6560 W.</u>	Started	<u>Dec. 16, 1954</u>
Bearing	<u>S 40 E.</u>	Completed	<u>Dec. 20, 1954</u>
Dip	<u>-45°</u>	Depth	<u>338.0'</u>

Depth Feet	FORMATION	Sample No.	Footage	Width	%ob
0 - 26.0	CASING.				
26.0 - 338.0	Gneiss, biotite and hornblende, grey and pink. Mottled and with porphyroblastic texture. Lying at 45° and 50°. Likely greywacke with sections, highly siliceous. quartzite. Some apparent syenitized sections. Lamprophyre dykes. Frequent. Coarse and fine grained. Biotite and calcite. Biotite occurring as golden biotite disseminated and in threads and lumps. Also massive calcite or carbonated spots throughout the most of the dykes. Heavier at contacts. At 52.7 - 62.0 lying at 40° contact, with two short syenitized sections (inclusions) - first at 53.5 - 54.1 - second at 54.9 - 56.0. 101.3 - 111.0, 120.0 - 121.0, 146.2 .5 chloritic band, lying at 30° - minor sulphides pyrite. 150.5 - 151.6 - 204.5 contact at 50° to 214.5, with 1' section of syenitized material at 212.0'.				
	<u>SAMPLES</u>				
	Syenitized, could be nepheline.	<u>0950</u>	45.0-52.7	7.7	} Nil
	Lamprophyre at 52.7 - 62.0. Contact at 40° chilled. Two sections (apparent inclusions of syenite) at 52.5 - 54.1 and 54.9 - 56.0.				
	Syenite, could be nepheline	<u>0951</u>	52.7-58.2	5.5	} Nil
	" " " "	<u>0952</u>	97.0-101.3	4.3	
	.5 lamprophyre at 175.5 - 177.0 at 50°.	<u>0953</u>	146.0-153.0	7.0	
	171.0 - 192.8 syenitized rock.				} Nil
	192.8 lamprophyre .5 wide - spots or carbonate.	<u>0954</u>	171.0-181.0	10.0	
		<u>0955</u>	181.0-192.5	11.5	
	Lamprophyre at 204.5 - 214.5 at 50°.				
	212.0 - 213.0 syenitized section.				
	221.5 - 226.5 porphyroblastic gneiss.				
	226.5 - 228.0 pink areas. Fractured, sheared, caved, cemented.				
	228.0 - 229.0 lamprophyre - biotite.				
	231.5 - 232.5 " "				
	236.5 large angular fragment.				
	Feldspar - Box 9.				

PROPERTY ONTARIO RARE METALSDrill Hole No. 3 - Dunn #1

depth feet	FORMATION	Sample No.	Footage	Width	% $\text{Cb}_2\text{O}_5$
26.0 - 338.0 (cont'd)	238.0 - 240.0 Lamprophyre - biotite - medium grained. At 242.0 sheared laminated sulphide on fractured planes. Pink feldspathic rock fractured. Lamprophyre at 242.0 - 247.0 lying at 50°.	0956	226.0-236.0	10.0	.02
	265.0 - 267.0. 249.0 1' syenitized. 274.0 - 277.0 contact at 25°.				



-  - Overburden
-  - Gneiss - Granite to Amphibolitic
-  - Lamprophyre Dykes
-  -

DIAMOND DRILL SECTION NO. 3

OF  
ONTARIO RARE METAL  
MINES LIMITED

SCALE 1" = 100'

FEB/55

G.D.R.

IF ABAND DRILL  
RECORD

PROPERTY	<u>ONTARIO RARE METAL MINES LIMITED</u> <u>Nemegos, Ontario</u>	Drill Hole No.	<u>4 - Duan's #2</u>
Location	<u>Lat. 4700 W    Dep. 4300 N</u>	Started	<u>January 7, 1955</u>
Bearing	<u>S 30° E</u>	Completed	<u>January 14, 1955</u>
Dip	<u>-45°</u>	Depth	<u>274 Ft.</u>

Depth Feet	FORMATION	Sample No.	Footage	Width	% Cb
0 - 110.0	CASING.				
110.0 - 117.0	Gneiss. First foot diorite, medium grained, fair sulphides. Pyrrhotite in 1/8" seam and aggregation with light chalcopyrite.	0969	110.0-117.0	7.0	
117.0 - 274.0	Gabbro. Medium grained. Light green - 60% hornblende altered partly to chlorite. Lying at 30°. Contact zone finer grained. Minor sulphides. Pyrite disseminated with light pyrrhotite on fractured lenses.				
	126.0 .4' shear with threads of biotite, some calcite and fine pyrite.				
	159.0 - 159.5 light coloured rock, carbonate, lying at 25°. Followed by 1/8" veinlet at 12°. Siliceous with with tourmaline.				
	160.7 .1' band of red feldspathic rock with some calcite.				
	166.0 - 166.7 small shear with threads of chlorite and biotite.				
	175.5 - 176.2 syenite, medium grained, small dark veinlets of tourmaline. Contacts chilled and lying at 60° to core.				
	187.2 .2' white feldspathic band, coarse grained. Section from 174.0 - 195.0 very fine grained.				
	193.2 - 194.2 fragments of feldspathic rock.				
	194.5 - 200.0 lamprophyre. Coarse grained. Some specks of golden biotite. A few spots of amber mica.	0970	194.5-200.0	5.5	
	222.5 fractured, small thin threads of siliceous material.				
	231.0 - 274.0 coarser grained at 233.0. Scintillometer reading 6/10 cps. Reason: .1' siliceous material slightly mineralized with pyrite.				
	262.0 small shear.				
	273.0 .5' lamprophyre dyke - coarse-grained.				

END OF HOLE

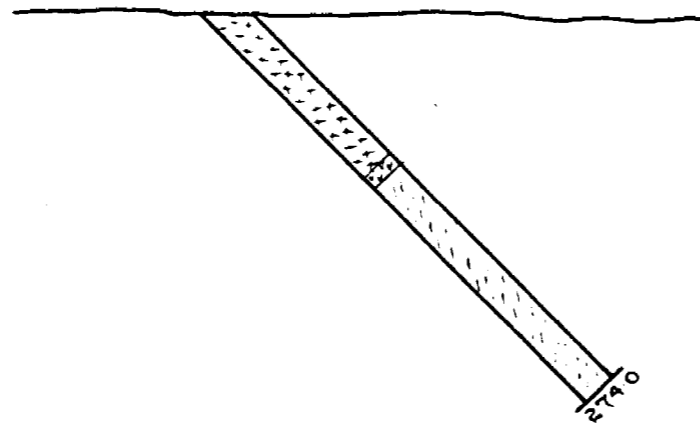
Core Recovery good.





Samples sent in for examination	0969	110.0-117.0	7.0
	0970	194.5-200.0	5.5
Samples not sent in	0971	231.5-241.5	10.0
	0972	241.5-251.5	10.0
	0973	251.5-261.5	10.0
	0974	261.5-274.0	12.5

Scint. Readings

Box 1 - 8/10 ops	Box 6 - 6/10 cps (at 234' a .4' section: 6/12 cps)
2 - 8/12 ops	7 - 6/10 cps
3 - 8/10 ops	8 - 8/10 cps (core 4.0')
4 - 8/10 ops	
5 - 8/10 ops	





-  - Overburden
-  - Gneiss - Granite to Amphibolitic
-  - Lamprophyre Dykes
-  -

DIAMOND DRILL SECTION NO. 4

OF

ONTARIO RARE METAL

MINES LIMITED

SCALE 1" = 100'

FEB/55

G.D.R.

DIAMOND DRILL  
RECORD

PROPERTY	<u>ONTARIO RARE METAL MINES LIMITED</u> <u>Nomegos, Ontario</u>	Drill Hole No.	<u>5</u>
Location	Lat. <u>1000 N</u> Dep. <u>5200 W</u>	Started	<u>January 17, 1955</u>
Bearing	<u>N 60° E</u>	Finished	<u>January 23, 1955</u>
Dip	<u>-45°</u>	Depth	<u>272 ft.</u>

Depth Feet	FORMATION	Sample No.	Footage	Width	% Cb
------------	-----------	------------	---------	-------	------

0 - 130.0  
130.0 - 205.0

CASING.  
Diabase, medium grained.  
Fractures at 50° to core.  
Crustations of calcite and chlorite with a somewhat muddy green material, likely epidote. Core slightly magnetic. Magnet picks up small pieces. .1' massive magnetite at 138', some lost through grinding. Specimen taken.  
121.0 .2' pegmatite veinlet.  
198.0-205.0 fractured 30°. Chloritic.  
202.0-205.0 altered. Contact zone. Chilled, finer grained, some alteration, with epidote, chloritic and calcite threads. A few specks of calcite noted. Contact at 50°.

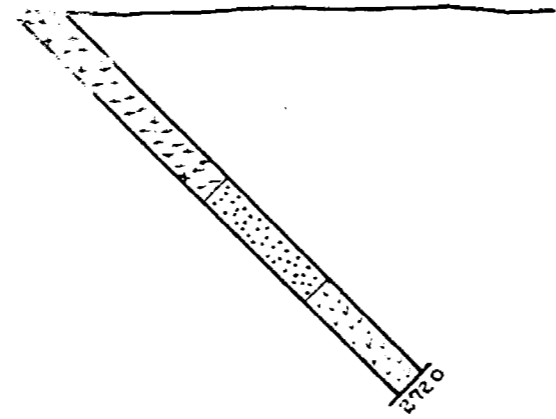
205.0 - 272.0





Granite gneiss, coarse grained. Fractures or gneissosity lying at 30°. Frequent brick red sections. Likely pegmatite with sections towards end of hole looking like syenite. Some fracturing, filled with light greenish matter. Likely epidote in hairlike threads. Also some hornblende and biotite, in seams and lumps.  
217.5-219.0 quartz vein with threads of epidote, contacts frozen.  
218.0 pegmatite - coarse grained. Lying at 50°. Coarse threads of biotite. At 230' at 20° with epidote and biotite threads.  
257.0 at 40°. 242.0-245.0 gneissic lying at 10° with pegmatite veinlet parallel to core.  
245.0-259.0 Gneissic, threads of epidote and chlorite, with brick red sections.  
265.5-270.0 brick red sections, alteration with somewhat brecciated appearance - could be syenite. Some fractured, some epidote and calcite in threads.  
Spec. small piece of magnetite  
" #1 from 148' diabase.  
" #2 from 216' gneiss - pegmatite.  
" #3 from 266' brick red alteration, could be syenite?

CORE RECOVERY GOOD.

*136' applied 1/7/55*  
*136' applied 1/17/55*  
*filed 1/20/55*

		Scint. Readings		
Box	No	8/10	Counts	per second
1	2	8/11	"	"
2	3	8/12	"	"
3	4	8/12, 10/16-14-19	c.p.s.	
4	5	8/10-14	cps	
5	6	10/14	"	



-  Overburden
-  Gabbro
-  Gneiss - Granite to Amphibolitic
- 

DIAMOND DRILL SECTION NO. 5

OF

ONTARIO RARE METAL

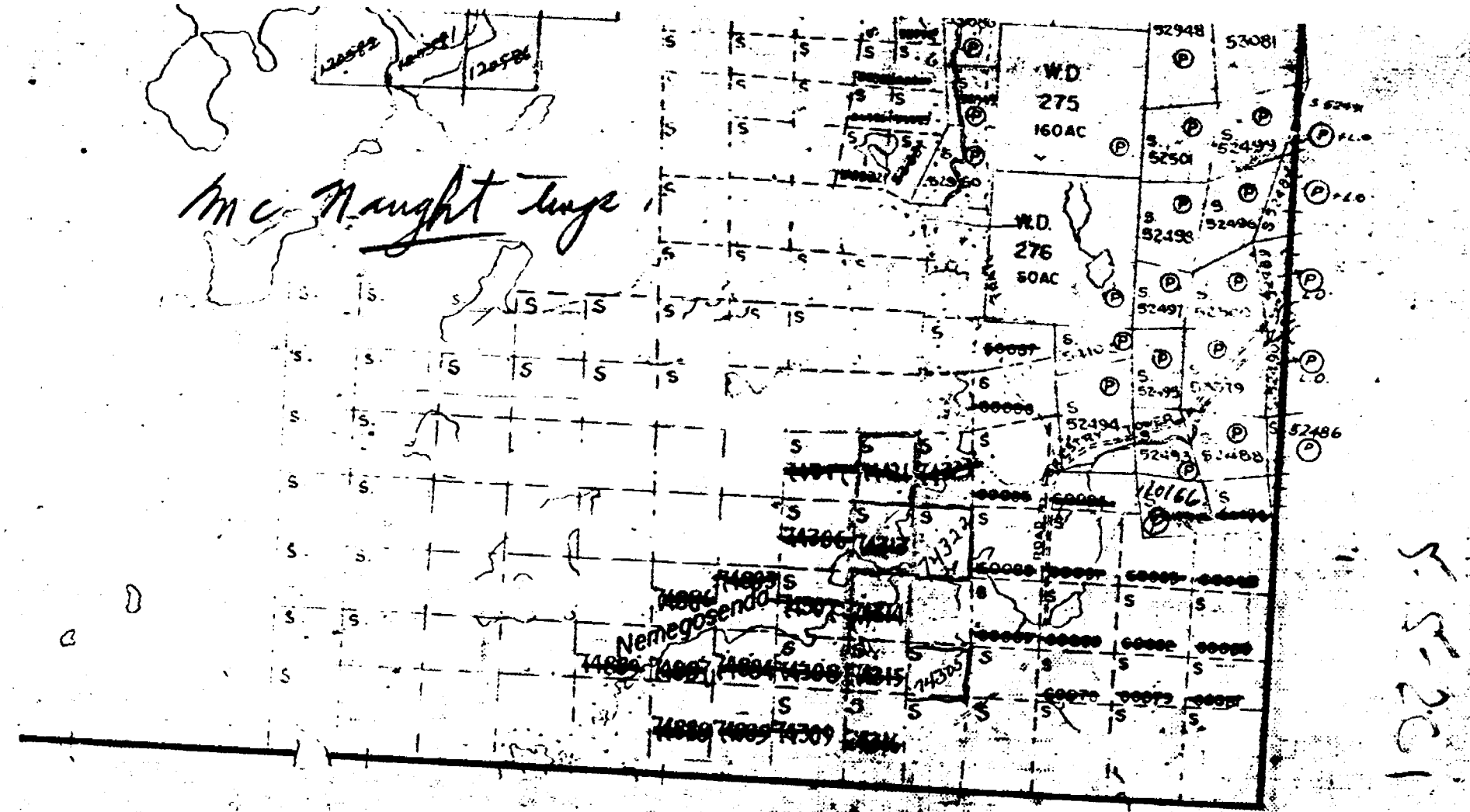
MINES LIMITED

SCALE 1" = 100'

FEB/55

G.D.R.

*McNaught Trage*



FOO  
shk

*5-20-01*

TWP 27

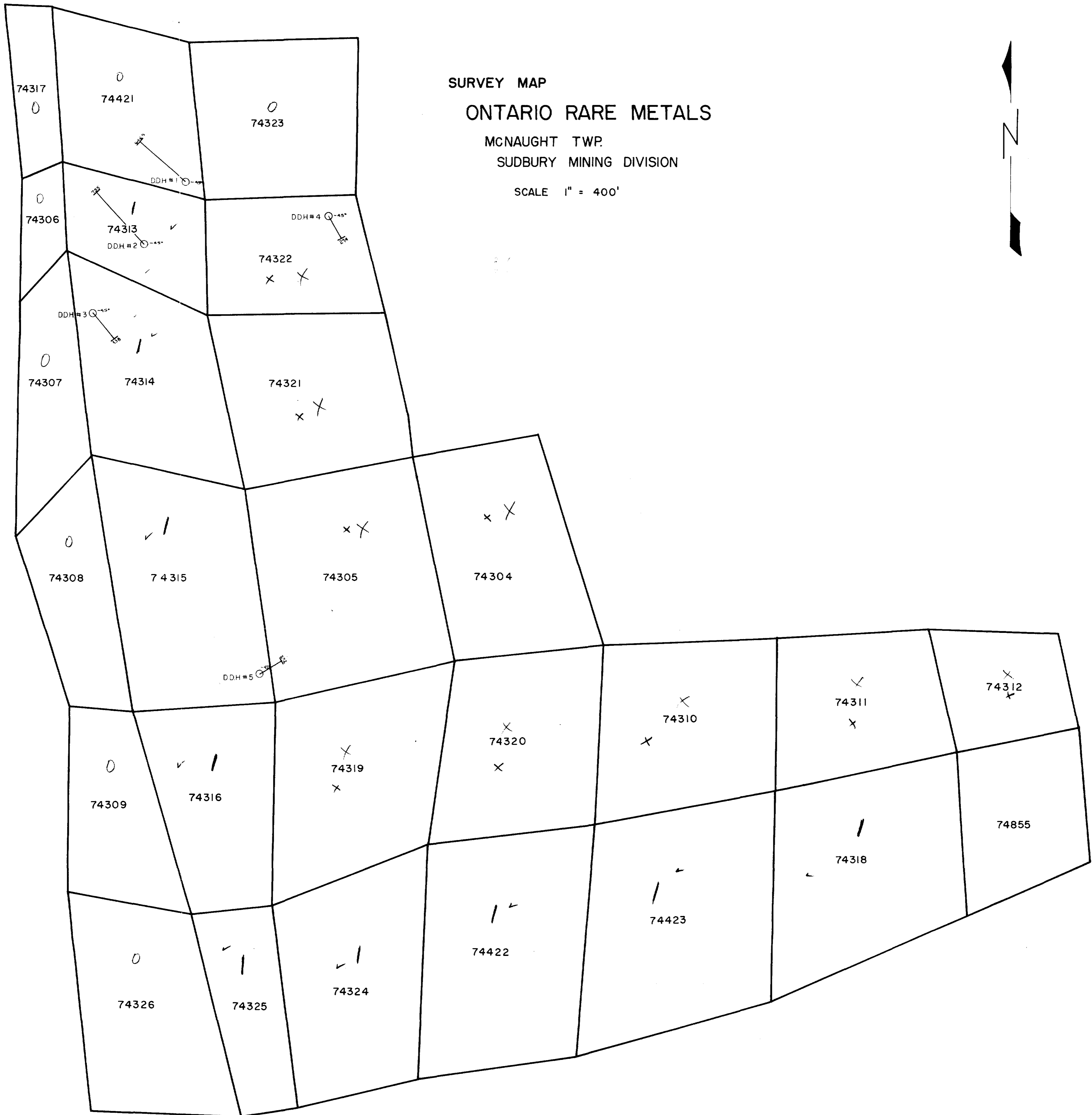
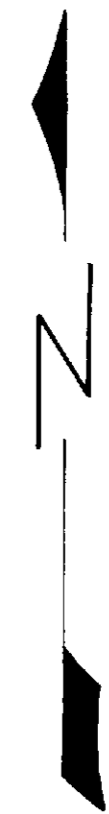
PLA  
DEPAR

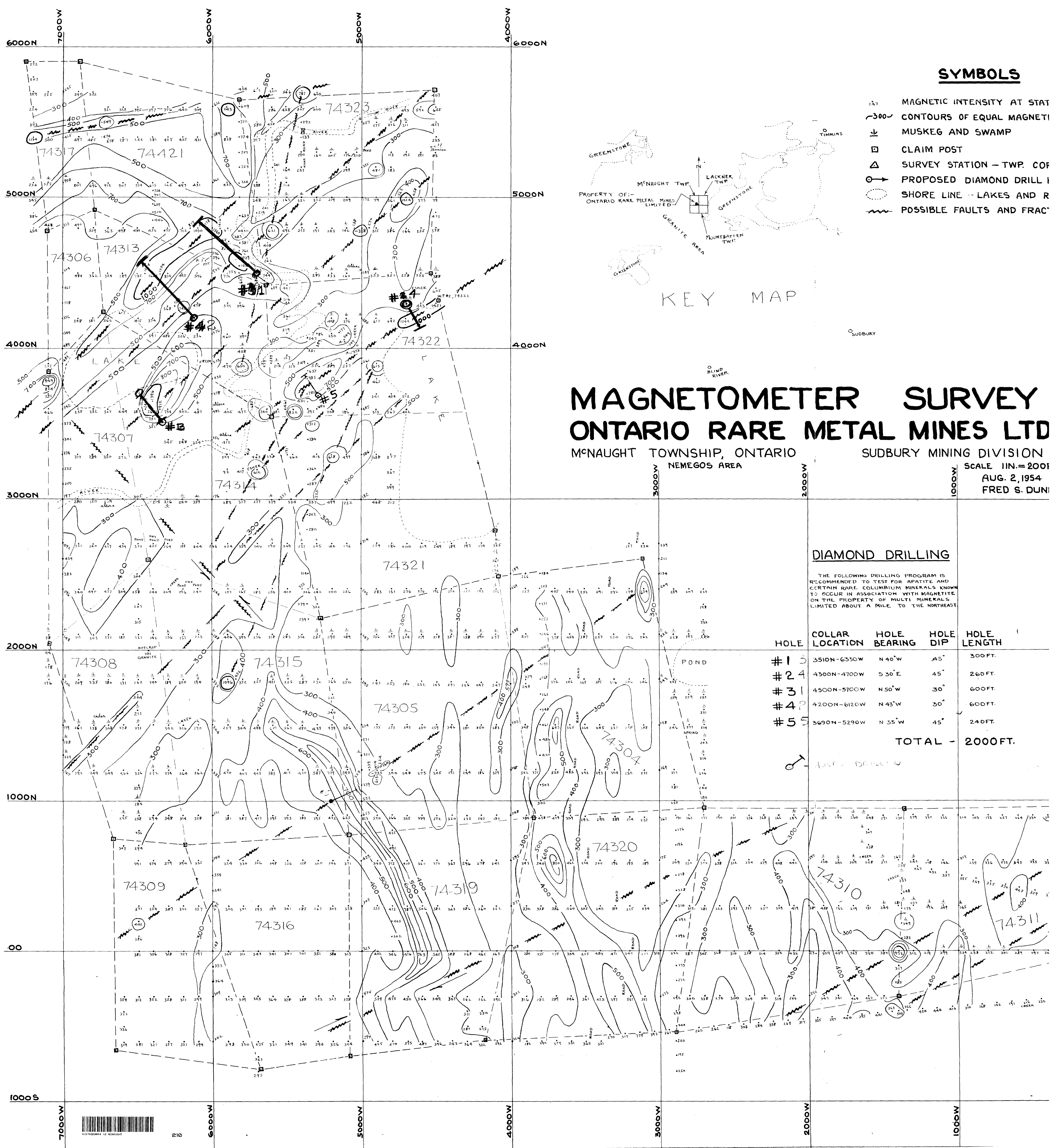
SURVEY MAP

ONTARIO RARE METALS

MCNAUGHT TWP.  
SUDBURY MINING DIVISION

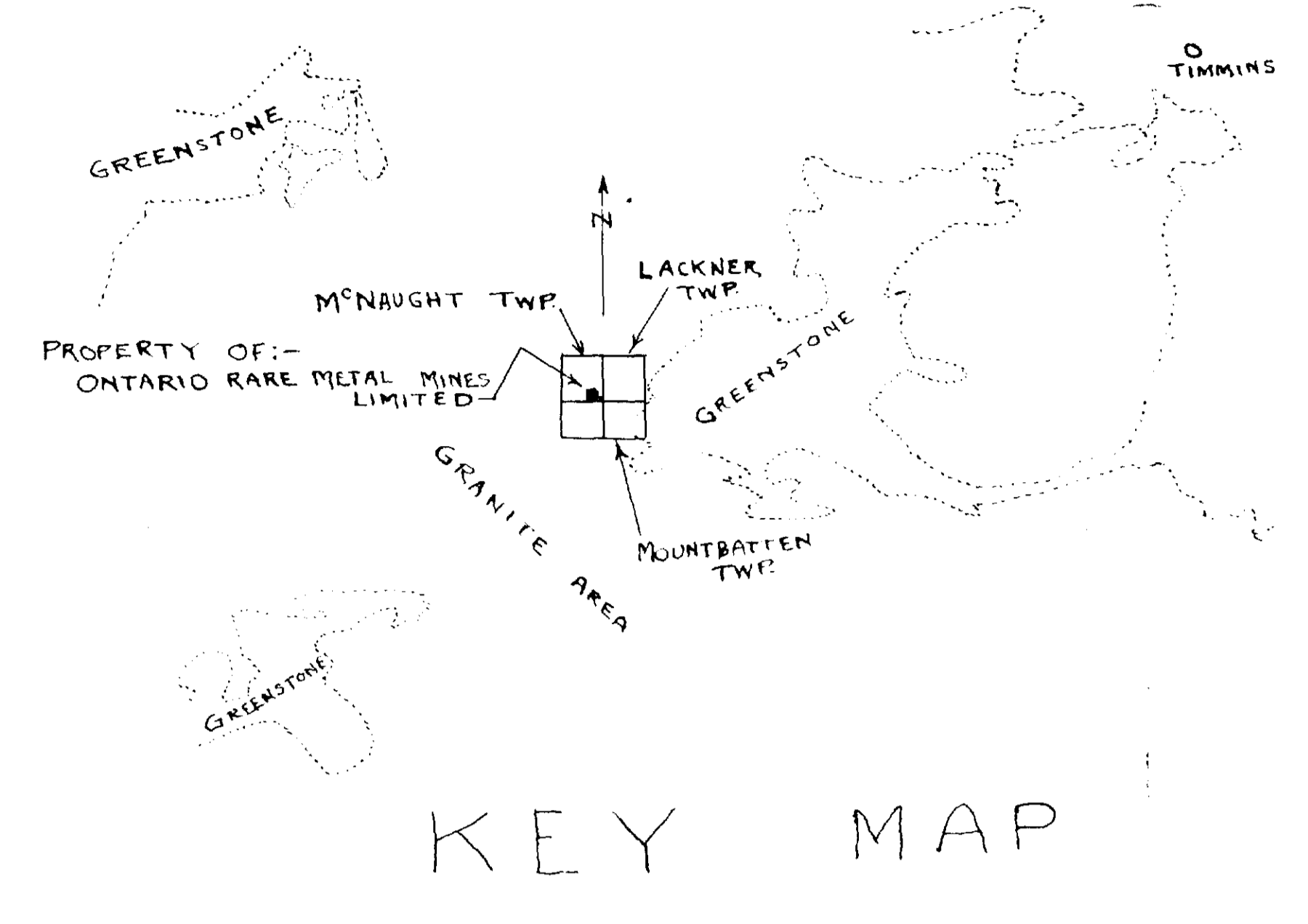
SCALE 1" = 400'





**SYMBOLS**

- 247 MAGNETIC INTENSITY AT STAT
- ~300~ CONTOURS OF EQUAL MAGNETI
- ⊥ MUSKEG AND SWAMP
- CLAIM POST
- △ SURVEY STATION - TWP. COF
- PROPOSED DIAMOND DRILL I
- SHORE LINE - LAKES AND R
- ~ POSSIBLE FAULTS AND FRAC~



**MAGNETOMETER SURVEY**  
**ONTARIO RARE METAL MINES LTD**  
 McNAUGHT TOWNSHIP, ONTARIO SUDBURY MINING DIVISION  
 NEMEGOS AREA

SCALE 1IN.=200'  
 AUG. 2, 1954  
 FRED S. DUNI

**DIAMOND DRILLING**

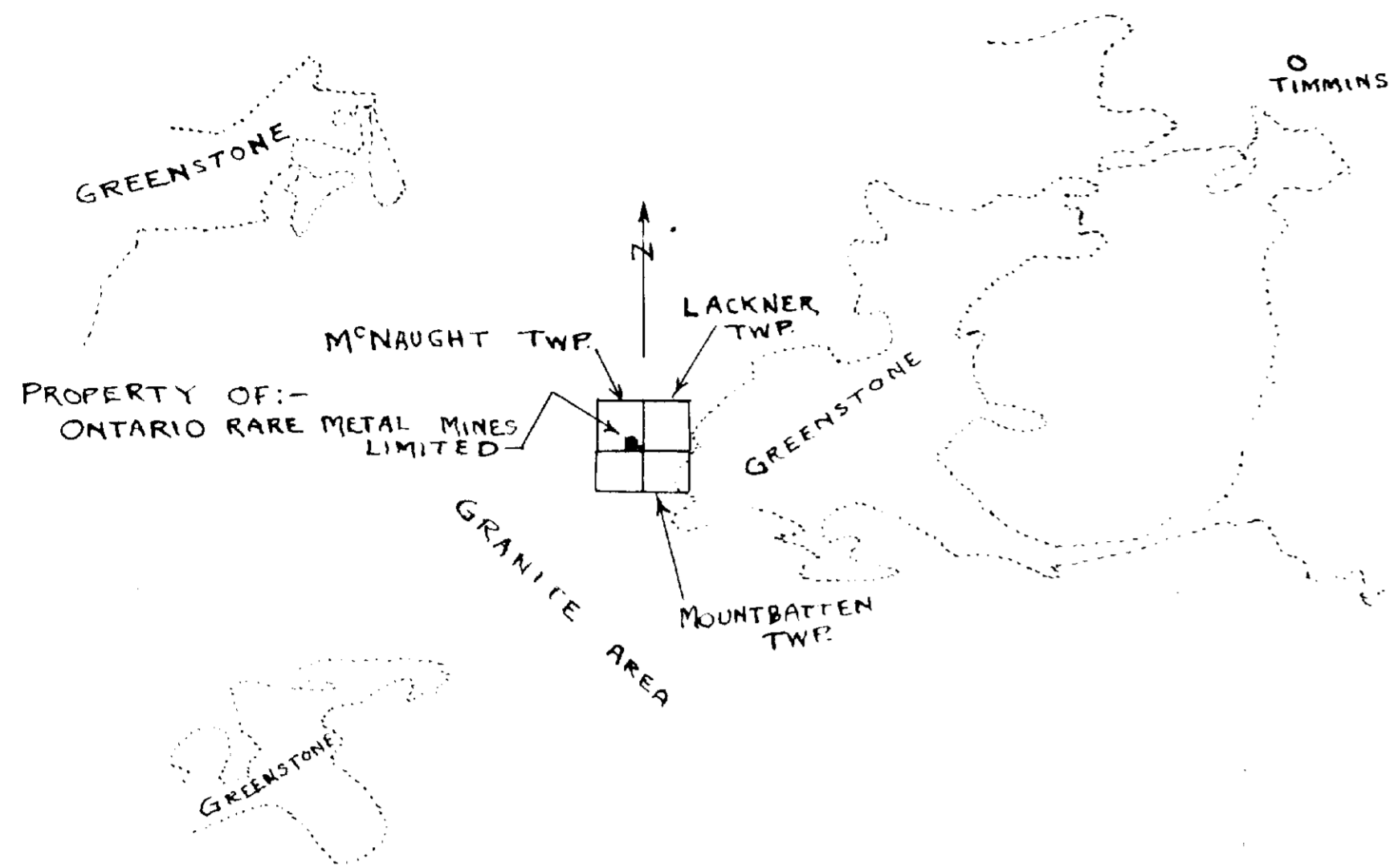
THE FOLLOWING DRILLING PROGRAM IS RECOMMENDED TO TEST FOR APATITE AND CERTAIN RARE COLUMBIUM MINERALS KNOWN TO OCCUR IN ASSOCIATION WITH MAGNETITE ON THE PROPERTY OF MULTI MINERALS LIMITED ABOUT A MILE TO THE NORTHEAST.

HOLE	COLLAR LOCATION	HOLE BEARING	HOLE DIP	HOLE LENGTH
#1	3510N-6330W	N 40° W	45°	300FT.
#2	4300N-4700W	S 30° E	45°	260FT.
#3	4500N-5100W	N 50° W	30°	600FT.
#4	4200N-6120W	N 43° W	30°	600FT.
#5	3690N-5290W	N 35° W	45°	240FT.
<b>TOTAL -</b>				<b>2000FT.</b>



# SYMBOLS

- 247 MAGNETIC INTENSITY AT STATIONS - GAMMAS
- ~300~ CONTOURS OF EQUAL MAGNETIC INTENSITY
- ⊥ MUSKEG AND SWAMP
- CLAIM POST
- △ SURVEY STATION - TWP. CORNER
- PROPOSED DIAMOND DRILL HOLE
- SHORE LINE - LAKES AND RIVERS
- ~ POSSIBLE FAULTS AND FRACTURES



KEY MAP

# MAGNETOMETER SURVEY ONTARIO RARE METAL MINES LTD.

McNAUGHT TOWNSHIP, ONTARIO

SUDBURY MINING DIVISION

NEMEGOS AREA

SCALE 1IN. = 200FT.

AUG. 2, 1954

FRED S. DUNN

## DIAMOND DRILLING

THE FOLLOWING DRILLING PROGRAM IS RECOMMENDED TO TEST FOR APATITE AND CERTAIN RARE COLUMBIUM MINERALS KNOWN TO OCCUR IN ASSOCIATION WITH MAGNETITE ON THE PROPERTY OF MULTI MINERALS LIMITED ABOUT A MILE TO THE NORTHEAST

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