



42A06SE0032 22 LANGMUIR

010

## Diamond Drilling

Township of LANGMUIR

Report NO: 22

Work performed by: Rouyn Merger Mines

Claim NO	Hole NO	Footage	Date	Note
P 64951	1	100'	Dec/64	
	2	102'	Dec/64	
	3	100'	Dec/64	
	4	50'	Jan/65	
	5	100'	Dec/64	
	6	129'	Jan/65	
	7	128'	Jan/65	

Notes:

*R. Massey Williams*

PROFESSIONAL ENGINEER

**NEW ROUYN MERGER MINES LIMITED  
ALLERSTON CLAIMS**

**P 64951 - P 64953**

**ONTARIO**

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*P-64951  
Hargrave*

*33*

**January 28th, 1965**

**NEW ROUYN MERGER MINES LIMITED  
 ALLERSTON CLAIMS  
 LANGMUIR TOWNSHIP  
 ONTARIO**

**DIAMOND DRILL SUMMARY**

Hole No.	Location		Bearing Mag.	Dip @ Collar.	Depth Feet	Date Start	Date Finish	Assess- ment Days
	South from:	East						
	Post 4- P; 64951							
1	140'	200'	N 75 E	-30°	100.0'	13/12/64	15/12/64	25
2	140'	200'	N 75 E	-45°	102.0	15/12/64	16/12/64	102
3	110'	200'	N 75 E	-30°	100.0	17/12/64	18/12/64	25
4	110'	200'	S 75 W	-30°	50.0'	4/ 1/65	6/ 1/65	12
5	170'	200'	S 75 W	-45°	100.0'	18/12/64	20/12/64	25
6 (5)	110'	200'	S 75 W	-45°	129.0'	6/ 1/65	10/ 1/65	129
7 (6)	110'	330'	S 75 W	-60°	128.0	11/ 1/65	15/ 1/65	128

**Total No. of Holes** 7

**Total Footage** 709.0'

**Total Days for Assessment**  
 Credits 446

**Note:**

Core shipped to Company Office in Toronto for logging.



**NEW ROUYN MEROER MINES LIMITED  
 ALLERSTON CLAIMS  
 LANGMUIR TOWNSHIP  
 ONTARIO**

**Location Collar :**

**Hole No. 1**

140' S and 200' E  
 from  
 Post # 4 - P64951

Started December 13, 1964  
 Completed December 15, 1964

Depth 100.0'

Bearing - N 75° E (Mag)  
 Collar - @ 30°

Drilled by Bradley Bros. Drilling Ltd.,  
 Noranda, P.Q.

Logged by R. Massey Williams

**LOG**

0	to	25.0	Blocky, fresh unaltered andesitic lavas
25.0		32.0	Blocky, fresh andesitic lavas
32.0		46.0	Blocky, broken up andesitic lavas, regional alteration only
46.0		53.0	Fresh, unaltered andesitic lavas, some hair lines of quartz, no mineralization.
53.0		78.0	Blocky, andesitic lavas, 1-1/2" quartz vein, with alteration @ 68.0' @ 45° to core (hole). No mineral. The slip planes normal to the vein.
78.0		85.0	Blocky andesitic lavas.
85.0		100.0	Graphitic alteration throughout. Core fractures, some pyrite and pyrrhotite.

Sampled:	1 - W1	87.0	to	90.0	<u>Ni%</u> tr
	1 - 2	90.0		95.0	tr
	1 - 3	95.0		100.0	tr

END OF HOLE



**NEW ROUYN MERGER MINES LIMITED  
ALLERSTON CLAIMS  
LANGMUIR TOWNSHIP  
ONTARIO**

**Location Collar :**

140' S and 200' E  
from  
Post # 4 - P64951

Hole No. 2

Started December 15, 1964  
Completed December 16, 1964

Depth 102.0'

Bearing - N 75° E (Mag)  
Collar - @ 45°

Drilled by Bradley Bros. Drilling Ltd.,  
Noranda, P.Q.

Logged by R. Massey Williams

LOG

0	to	25.0	Blocky, andesitic lavas, some scattered rusty sections @ all angles to the core. Regional alteration only.	
25.0		48.0	Very blocky, andesitic lavas, rusty sections throughout.	
48.0		73.0	Blocky, andesitic lavas, some dioritic phases, no mineralization. Regional alteration only.	
73.0		83.0	Andesitic lavas passing into a dioritic phase.	
83.0		93.0	Dioritic phase with fine grained pyrite and pyrrhotite.	
93.0		98.0	Medium to coarse grained diorite	
Sampled	2 - 1	88.0	to 88.0	6.0'
	2 - 2	88.0	93.0	5.0'
98.0		102.0	As above.	

END OF HOLE



R. Massey Williams

PROFESSIONAL ENGINEER

**NEW ROUYN MERGER MINES LIMITED  
ALLERSTON CLAIMS  
LANGMUIR TOWNSHIP  
ONTARIO**

**LOCATION COLLAR :**

110' S and 200' E  
from  
Post # 4 - P64951

**HOLE NO. 3**

Started December 17, 1964  
Completed December 18, 1964

Depth 100.0'

Bearing . N 75° E (Mag)  
Collar . @ 30°

Drilled by Bradley Bros. Drilling Ltd.,  
Noranda, P.Q.

Logged by R. Massey Williams

**LOG**

0	to	2.0	Andesitic lavas
2.0		6.0	Porphyry elite
6.0		14.0	Andesitic lavas, rather dioritic
14.0		18.0	Siliceous section, no mineralization.
18.0		27.0	Medium to coarse grained gabbro, rusty and altered.
27.0		36.0	Continuation of the Gabbro, rusty and blocky.
36.0		55.0	Very blocky and broken up andesitic lavas, some silification throughout. Regional alteration only.
55.0		77.0	Blocky andesitic lavas, slightly graphitic at 66.0 to 70.0. Regional alteration only.
77.0		87.0	Medium grained grey porphyry, fresh and unaltered. Contact @ 87.0 @ 45° to the hole. No mineral.
87.0		95.0	Andesitic lavas with porphyry material throughout.
95.0		100.0	Altered pyritic zone in the andesitic lavas, @ @ 95.0 carrying regional pyrite.



**NEW ROYIN MERGER MINES LIMITED  
 ALLERTON CLAIMS  
 LANOMUE TOWNSHIP  
 ONTARIO**

**Location Cells :**

**Hole No. 4**

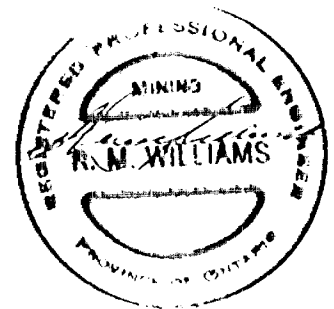
110' S and 280' E  
 from  
 Post # 4 - P64951

Started January 4, 1963  
 Completed January 6, 1963  
 Depth 75.0'

Heading - S 75 W (Mag)  
 Collar - @ 25°

Drilled by Bradley Bros. Drilling Ltd.,  
 Toronto, P.O.

Logged by R. Massey Williams



**LOG**

0 to 25.0 Regionally altered blocky andesitic lavas.  
 25.0 to 50.0 Banded siliceous iron formation, very similar to the surface pit, considerable cross fracturing with younger pyrite and chalcopyrite, very blocky in part.

**Assays**

No.	From	Feetage	To	Width Feet	Cu %	Ni %
917	25.0		30.0	5.0'	tr	tr whole
922	30.0		33.0	3.0'	0.02	all whole
916	33.0		38.0	5.0'	0.40	0.30 split
921	38.0		40.0	2.2'	0.10	tr whole
919	40.0		45.0	5.0'	0.12	0.10 split
920	45.0		50.0	5.0'	0.20	0.10 split
3862	50.0		75.0	25.0'	0.03	0.30

50.0 to 75.0 Andesitic lavas.

END OF HOLE

**NEW ROYAL MERGED MINES LIMITED  
 ALLERSON CLAIM  
 LANOMUIR TOWNSHIP  
 ONTARIO**

**Location Collar :**

170' S and 280' E  
 from  
 Post # 4 - P64951

**Hole No. 5**

Started  
 Completed

December 18, 1966  
 December 20, 1966

Depth

100.0'

Bearing S 78 W (Mag)

Collar  $\pm$  30'

Drilled by Bradley Bros Drilling Ltd.,  
 Toronto, P.O.

Logged by R. Massey Williams



**L O G**

Depth	Interval	Description	Sample	Cu. %	Ni %	Ass. Gr.
0	to 5.0	Collar				
5.0	23.0	Blocky porphyritic andesite, regional alteration only				
23.0	25.0	Heavy pyrite and pyrrhotite, with quartz bands normal to the hole, some streaks of chalcopyrite.				
25.0	31.0	Tuffaceous phase of the andesitic lavas.				
			Sample # 5-1	23.0 to 25.0 - 2.0'	0.16	tr.
						Nickel and copper
31.0	33.0	Brecciated qtz. - pyrite/pyrrhotite conc.				
			Sample # 5-2	31.0 to 33.0 - 2.0'	0.14	tr.
33.0	37.0	Blocky andesitic lavas				
			Sample # 5-3	37.0 to 38.0 - 1.0'	0.06	tr.
37.0	41.0	Blocky andesitic lavas				
41.0	42.0	Brecciated section with pyrite and pyrrhotite.				
			Sample # 5-4	41.0 to 42.0 - 1.0	0.06	tr.



**New Royal Mergers Mines Limited**

**Hole No. 8**

42.0	to	52.0	Blocky andesitic lavas.
52.0		65.0	Andesitic lavas, regional alteration only.
65.0		76.0	Porphyry dike material with remains of lavas, regional alteration only.
76.0		100.0	Coarse porphyry dike, rather blocky and regionally altered only.

**END OF HOLE**



**NEW ROYAL MERCER MINES LIMITED  
ALLERSON GLADES  
LANOMUIR TOWNSHIP  
ONTARIO**

**Location Collar :**  
  
110' S and 280' E  
from  
Post # 4 - P64951

**Map No. 6 (attached, 9)**

**Started January 6, 1961**  
**Completed January 10, 1961**  
**Depth 129.0**

**Bearing S 75° W (Mag)**

**Collar C 45°**  
**Drilled by Bradley Bros. Drilling Ltd.,**  
**Notanda, P.Q.**  
**Logged by H. Hassay Williams**

**LOG**

to	ft	Description
0.0	6.0	Coaling
6.0	31.0	Blocky, broken up andesitic lavas, some rusty sections throughout. Broken and caved sections, 25 - 26, 30 - 31.
31.0	41.0	Blocky broken up andesitic lavas.
41.0	43.0	Blocky, graphitic section.
43.0	43.0	Secondary pyrite in andesitic lavas.
43.0	55.0	Bleached and quartz altered zone, little or no mineral.
55.0	61.0	Continuation of the bleached zone, some scattered pyrite.
61.0	71.0	Dioritic phase, regional alteration only.
71.0	74.0	Pyrite in cubes in medium grained diorite.
74.0	80.0	Medium to coarse grained diorite.
80.0	105.0	Blocky andesitic lavas, graphitic throughout.
105.0	129.0	As above - rather graphitic, regional alteration only.

**Sampled**

Sample No.	From	To	Depth	Cu%	Ni%
VC - 1	43.0	to	49.0	2.0 <sup>1</sup>	0.08
VC - 2	43.0	to	50.0	3.0 <sup>1</sup>	0.16
VC - 2	75.0	to	78.0	2.0 <sup>1</sup>	0.03
					0.42



**END OF HOLE**

NEW ROYAL MERGER MINES LIMITED  
ALLERTON CLAIMS  
LANGMUIR TOWNSHIP  
ONTARIO

Location Collar :

Hole No. 7 (marked 6)

116' S and 330' E  
from  
Post # 4 - P6495)

Started January 11, 1963  
Completed January 15, 1963

Depth 128.0'

Bearing : S 75° W (Mag)  
Collar : 60°  
Drilled by Bradley Bros. Drilling Ltd.,  
Windsor, P. O.

Legged by R. Massey Williams



L O O

0	to	11.6	Coaling
11.0		25.6	Fresh, andesitic lavas, some banding @ 40° to hole, Chalc @ 13.6' in hair fractures.
25.6		49.6	Massive andesitic lavas, some dioritic phases, Scattered mineral 43.6 to 49.6
49.6		56.6	Massive sulphides, siliceous sections and streaks of chalc.
56.6		56.6	Continuation of the above.
56.6		59.6	More massive pyrites, less siliceous.
59.6		63.6	Sulphides in bands (narrow) normal to the hole.
63.6		65.6	Andesitic lavas, massive, little scattered mineral.
65.6		75.6	Massive andesitic lavas, dry and unaltered.
75.6		90.6	Massive andesitic lavas, some graphitic section and silty planes, at 20° or 30° to the core.
90.6		100.6	Some pyrites on the silty planes.

**NEW ROYAL MERCEK MINES LIMITED  
 ALLERSTON CLAIMS**

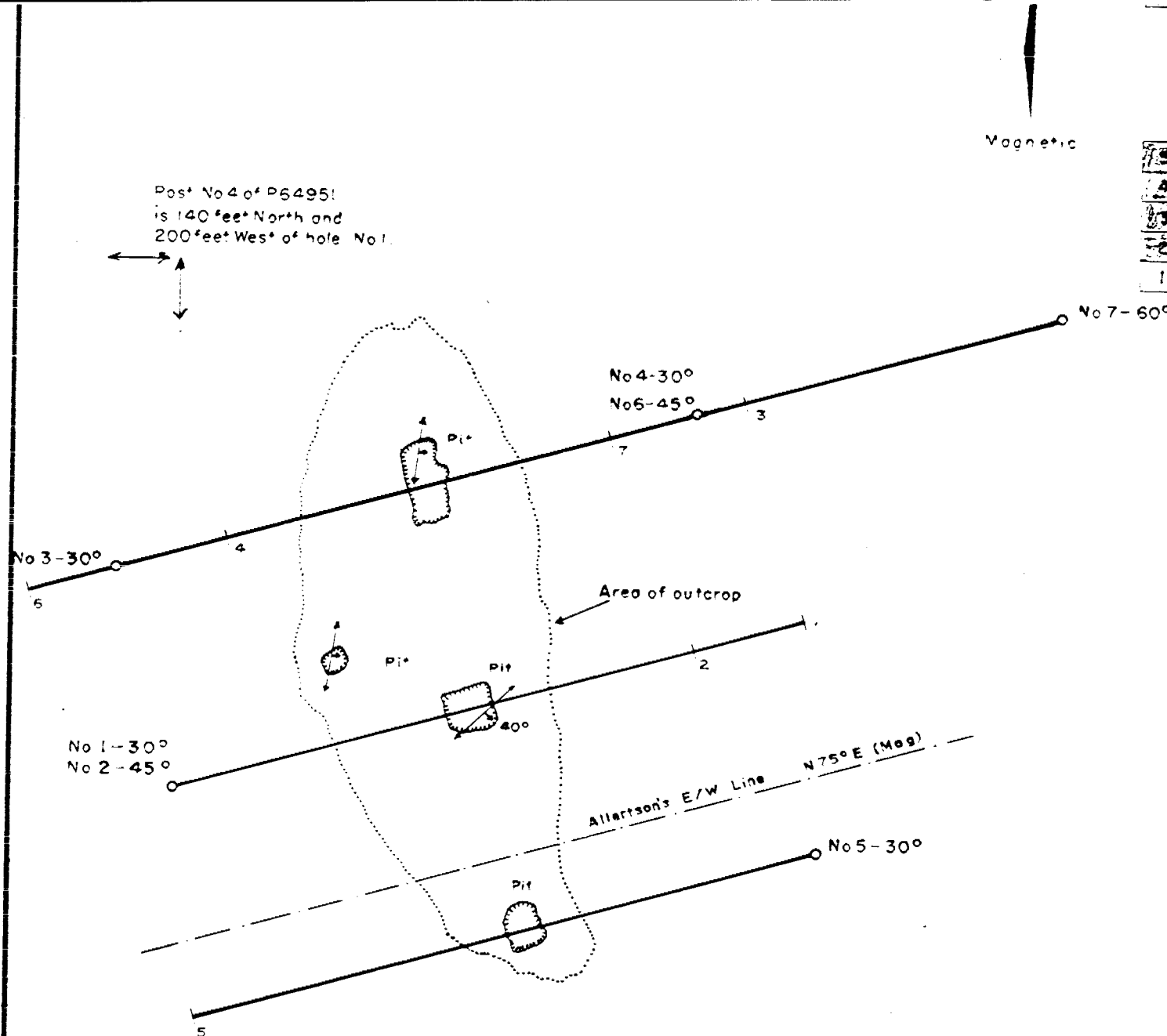
**ROLE No. 7  
 LANOMUIR TOWNSHIP**

100.00	to	110.0	Dioritic phase of the andesitic lavas.
110.0		115.0	Dioritic lavas, syenitic in part, some fracturing throughout and traces of chalcocite and pyrite.
115.0		125.0	Acid intrusives, contact zone, massive and hard throughout, some fracturing carrying regional pyrite.
125.0		128.0	As above, fresh and unaltered, rather blocky.

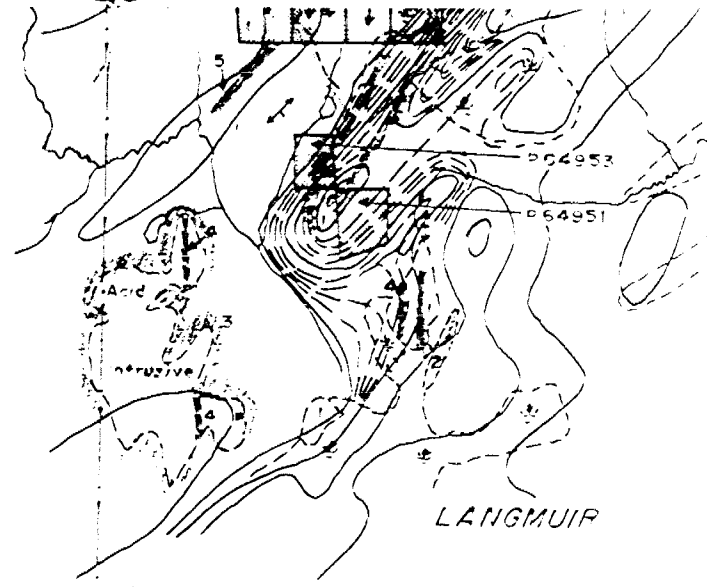
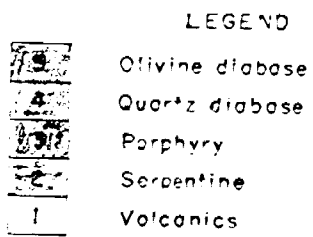
**END OF ROLE**

<u>Sampling</u>					<u>Cu%</u>	<u>Ni%</u>
6 - 1	45.0	to	55.0	10.0	0.16	0.03
6 - 2	55.0	to	60.0	5.0	0.03	0.03
6 - 3	60.0	to	65.0	5.0	0.17	0.02
6 - 4	92.0	to	100.0	5.0	0.03	0.03



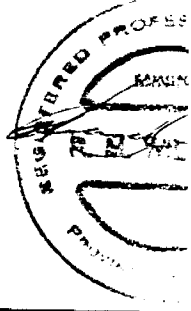
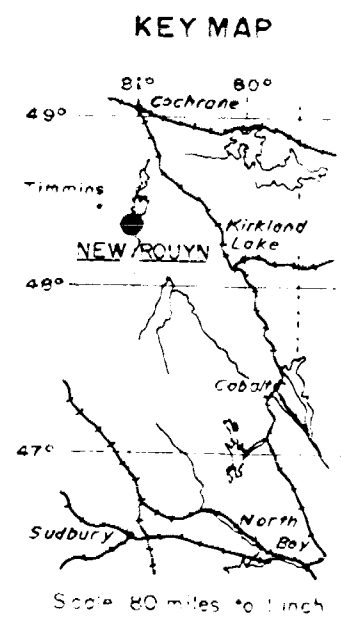


PLAN OF DRILL HOLES IN CLAIM P-64951  
Scale 20 feet to 1 inch



PLAN OF CLAIMS, GEOLOGY AND G

Scale 1 mile to 1 inch  
Geology after O.D.M. maps 495 B, 4912  
after G.S.C. map 2933



New Rouyn Merger Mine  
Langmuir Township  
District of Timiskamining  
Ontario

To accompany report by  
R. Massey Williams  
Professional Engineer