

Reduction of Traverse representing Survey of *Underground Workings North Mount Lyell Mine*  
*Dec 31st 1918.*

4/1164

STATIONS.		Magnetic Bearing.	Cardinal Bearing.	Distance.	LATITUDE.		DEPARTURE.		TOTAL LATITUDE.		TOTAL DEPARTURE.		Remarks.
From	To				N.	S.	E.	W.	N.	S.	E.	W.	
<i>700' Level North Drive Stopping</i>													
27									638.72		808.92	see notes 1917	
27-TS.		34° 21'	N 34° 21' E	23.17	19.13		13.07		657.85		795.85		
27-TS'		37° 02'	N 37° 02' E	22.25	17.77		13.40		656.49		795.52		
<i>850' Level No 50 Slope.</i>													
27									619.43		760.07	see notes 1917.	
27-28		47° 11'	N 47° 11' E	78.67	53.47		57.71		672.90		702.36	rail in centre of cap.	
28-29		43° 13'	N 43° 13' E	34.17	24.90		23.40		697.80		678.96		
28-30		108° 28'	S 71° 32' E	22.19		7.03	21.05		665.87		681.31		
30-TS.		357° 02'	N 2° 58' W.	43.17	43.11		2.24		708.98		683.55		
<i>925' Level Prospecting Drive below No 45 Slope.</i>													
30									3.27		318.05	see notes 1917.	
30-TS		210° 29'	S 30° 29' W	12.60		10.86	6.39		14.13		324.44		
TS-TS		177° 53'	S 2° 7' E	13.62		13.61	0.50		27.74		323.94		
TS-TS		120° 00'	S 60° 0' E	9.70		4.85	8.40		32.59		315.54		
TS-31		334° 20'	N 25° 40' W	11.86	10.69		5.14		21.90		320.68	peg in roof.	
TS-Face.		334° 20'	N 25° 40' W	23.0	20.73		9.96.		11.86		325.50		

*R.S.  
 Riddle*

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4/1164

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From	To				N.	S.	E.	W.	N.	S.	E.	W.	
<i>925' Level. Line of sets in No 24 Stope</i>													
30									3.27		318.05		See notes 1917.
30-32		84° 17'	N 84° 17' E	18.53	1.85		18.44		1.42		299.61		Nail in centre of cap
32-33		50° 56'	N 50° 56' E	28.52	17.97		22.14	16.55			277.47		" " " "
<i>No 45 Stope &amp; bond.</i>													
22									207.10		490.57		See notes 1917.
22-TS.		147° 12'	S 32° 48' E	117.61	98.86	63.71		108.24			426.86		
<i>No 34 Stope Sec 1. Line of sets.</i>													
22									207.10		490.57		See notes 1917.
22-TS		147° 11'	S 32° 49' E	117.22	98.51	63.53		108.59			427.04		Nail in middle of set.
TS-34		25° 20'	N 25° 20' E	75.73	68.45		32.40	177.04			394.64		
34-35		30° 34'	N 30° 34' E	25.85	22.26		13.15	199.30			381.49		Nail in centre of cap.
34-37		300° 39'	N 59° 21' W	42.37	21.60		36.45	198.64			431.09		Nail on side of cap at centre.
<i>No 34 Stope Sec 2 Line of sets.</i>													
22									207.10		490.57		See notes 1917.
22-23 <sup>A</sup>		325° 51½'	N 34° 8½' W	50.03	41.41		28.08	248.51			518.65		Two nail in old peg
23 <sup>A</sup> -38		56° 07'	N 56° 07' E	11.92	6.65		9.90	255.16			508.75		Nail in centre of cap.
38-39		36° 19'	N 36° 19' E	22.92	18.47		13.57	273.63			495.18		" " " "

*R.S.*  
*Russell*

Reduction of Traverse representing Survey of *Underground Workings North Mount Lyell Mines*  
*See 31<sup>st</sup> 1918.*

4/1164

STATIONS.		Magnetic Bearing.	Cardinal Bearing.	Distance.	LATITUDE.		DEPARTURE.		TOTAL LATITUDE.		TOTAL DEPARTURE.		Remarks.
From	To				N.	S.	E.	W.	N.	S.	E.	W.	
					<u>925' Level</u>				<u>to 40 Slope Sec 3.</u>				
26										321.56		612.34	see notes 1917.
26-40		72° 45'	N 72° 45' E	39.40	11.68			37.63		333.24		574.71	rail in centre of cap.
26-41		72° 01'	N 72° 01' E	56.33	17.39			53.58		338.95		558.76	rail in centre of cap.
					<u>to 2 North Drive</u>								
23 <sup>A</sup>										248.51		518.65	see before.
23 <sup>A</sup> -42		331° 48'	N 28° 12' W	34.88	30.74			16.48		279.25		535.13	
42-40		323° 47'	N 36° 13' W	67.08	54.12			39.63		333.37		574.76	
40-43		320° 54'	N 39° 6' W	26.90	20.88			16.97		354.25		591.73	
43-44		323° 39'	N 36° 21' W	30.47	24.54			18.06		378.79		609.79	
44-45		331° 24'	N 28° 36' W	38.42	33.73			18.39		412.52		628.18	
45-TS		10° 07'	N 10° 07' E	70.77	69.67			12.43		482.19		615.75	
TS-Face		14° 15'	N 14° 15' E	44.0	42.65			10.83		524.84		604.92.	
					<u>1000' Level</u>				<u>to 40 Slope Sec 2.</u>				
16										424.50		615.60	see notes 1916.
16-42		53° 38'	N 53° 38' E	22.06	13.08			17.76		437.58		597.84	rail under cap.
42-43		339° 34'	N 20° 26' W	81.84	76.69			28.57		514.27		626.41	" " "
43-44		339° 34'	N 20° 26' W	51.27	48.04			17.90		562.31		644.31	" " "
44-TS.		29° 33'	N 29° 33' E	25.92	22.55			12.78		584.86		631.53	

*RS.*  
*Blubb*

Reduction of Traverse representing Survey of *Underground Workings North Mount Lyell Mine*  
*Dec 31<sup>st</sup> 1918*

4/1164

STATIONS.		Magnetic Bearing.	Cardinal Bearing.	Distance.	LATITUDE.		DEPARTURE.		TOTAL LATITUDE.		TOTAL DEPARTURE.		Remarks.
From	To				N.	S.	E.	W.	N.	S.	E.	W.	
					<i>1000' Level</i>								
					<i>No 34 Slope Sec 3.</i>								
					<i>Line of sets.</i>								
23										314.83		507.04	<i>See notes 1916.</i>
23-45		<i>251° 00'</i>	<i>S 71° 00' W</i>	<i>62.12</i>		<i>20.22</i>		<i>58.74</i>		<i>293.81</i>		<i>565.78</i>	<i>Nail in centre of 7<sup>th</sup> cap.</i>
23-46		<i>249° 13'</i>	<i>S 69° 13' W</i>	<i>27.92</i>		<i>9.91</i>		<i>26.10</i>		<i>304.12</i>		<i>533.14</i>	<i>Nail in centre of 1<sup>st</sup> cap.</i>
					<i>Drive between N &amp; S beds of No 4 Slope</i>								
38										<i>744.74</i>		<i>592.41</i>	<i>See notes 1917.</i>
38 - opening		<i>123° 31'</i>	<i>S 56° 29' E</i>	<i>105.0</i>		<i>57.98</i>	<i>87.54</i>			<i>686.76</i>		<i>504.87</i>	
					<i>North Drive</i>								
38										<i>744.74</i>		<i>592.41</i>	<i>See notes 1917.</i>
38-47		<i>312° 31'</i>	<i>N 47° 29' W</i>	<i>142.19</i>	<i>96.09</i>			<i>104.81</i>		<i>840.83</i>		<i>697.22</i>	<i>peg in roof</i>
47-48		<i>348° 27'</i>	<i>N 11° 33' W</i>	<i>23.50</i>	<i>23.02</i>			<i>4.71</i>		<i>863.85</i>		<i>701.93</i>	<i>" " "</i>
48-49		<i>336° 25'</i>	<i>N 23° 35' W</i>	<i>27.60</i>	<i>25.30</i>			<i>11.04</i>		<i>889.15</i>		<i>712.97</i>	<i>Nail under drive cap.</i>
49-50		<i>280° 31'</i>	<i>N 79° 29' W</i>	<i>33.65</i>	<i>6.14</i>			<i>33.08</i>		<i>895.29</i>		<i>746.05</i>	<i>" in side of "</i>
50-51		<i>320° 43'</i>	<i>N 39° 17' W</i>	<i>26.20</i>	<i>20.28</i>			<i>16.59</i>		<i>915.57</i>		<i>762.64</i>	
51 - Face		<i>279° 45'</i>	<i>N 86° 15' W</i>	<i>36.0</i>	<i>6.10</i>			<i>35.48</i>		<i>921.67</i>		<i>798.12</i>	

*E.S.*  
*Riddle*

Reduction of Traverse representing Survey of Underground Workings North Mount Lyell Mine  
Dec 31<sup>st</sup> 1918.

4/1164

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From	To				N.	S.	E.	W.	N.	S.	E.	W.	
					<u>1100' Level</u>		<u>North Trave.</u>						
	67								809.99			705.32	see notes 1917.
	67-68 <sup>A</sup>	284° 30'	N 75° 30' W	25.53	6.39		24.72	816.38				730.04	new nail in old peg
	68 <sup>A</sup> -73	323° 15'	N 36° 45' W	57.38	45.98		34.33	862.36				764.37	
	73-Face	323° 15'	N 36° 45' W	17.0	13.62		10.17	875.98				774.54	
	73-74	292° 28'	N 67° 32' W	25.90	9.90		23.93	872.26				788.30	
	74-75	314° 49'	N 45° 11' W	33.02	23.27		23.42	895.53				811.72	
	75-TS	301° 35'	N 58° 25' W	34.0	17.80		28.96	913.30				840.68	
	TS-Face	291° 10'	N 68° 50' W	47.0	16.97		43.83	930.30				884.51	

R.S.  
Lull

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4/1164

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From	To				N.	S.	E.	W.	N.	S.	E.	W.	
<u>No 6 Level. to 1:3 Pillar Drive &amp; to 3 Slope Drive.</u>													
	40									500.98		531.36	see notes 1909. In I.S. survey.
40-	66	73° 58'	N 73° 58' E	24.82	6.86			23.85		494.12		507.51	nail on side of cap.
66-	67	335° 09½'	N 24° 50½' W	19.76	17.93			8.30		476.19		515.81	nail in wedge at end of still
67-	68	47° 50'	N 47° 50' E	23.92	16.06			17.73		460.13		498.08	nail in sleeper.
68-	69	331° 23'	N 28° 37' W	24.21	21.25			11.60		438.88		509.68	nail under cap.
69-	70	41° 07'	N 41° 07' E	39.00	29.38			25.65		409.50		484.03	begin to 10 X-Cut.
70-	71	308° 00'	N 52° 00' W	69.62	42.86			54.86		366.64		538.89	
71-	72	262° 35'	S 82° 35' W	100.17		12.93		99.33		379.57		638.22	
72-	Face	206° 00'	S. 26° 00' W	20.5		18.43		8.99		398.00		647.21	
<u>No 7 Level Gallery in to 1 Slope to to 7 X-Cut.</u>													
	4									473.18		383.07	see notes 1914 for No 6 Slope
4-	14	149° 11½'	S 26° 48½' E	58.92		50.61		30.18		523.79		352.89	nail in cap No 4 Slope
14-	15	219° 22'	S 39° 22' W	112.98		87.35		71.66		611.14		424.55	" " " "
15-	16.	203° 23'	S 23° 23' W	47.58		43.67		18.88		654.81		443.43	centre of cap No 1 Slope
15-	17	202° 42'	S 22° 42' W	83.16.		76.72		32.09		687.86		456.64.	" " " "

*W. Pull*

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Dec 31st 1918.

4/1164

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From	To				N.	S.	E.	W.	N.	S.	E.	W.	
					<u>No. 7 Level</u>				<u>No 1A Stope</u>				
5										623.59	589.08	see notes 1916 for work Stope	
5-A		208° 42'	S 28° 42' W	45.62		40.02	21.91			663.61	610.99		
A-B		34° 06'	N 34° 06' E	22.92	18.98		12.85			644.63	598.14		
A-C		125° 08'	S 54° 52' E	45.71		26.31	37.38			689.92	573.61		
					<u>No 8 Level</u>				<u>No 5 crosscut.</u>				
6										648.98	568.86	see notes 1916.	
6-A		37° 19'	N 37° 19' E	116.05	92.29		70.35			556.69	498.51		
A-B		128° 11'	S 51° 49' E	75.00		46.36	58.95			603.05	439.56		
B-C		140° 55'	S 39° 5' E	17.21		13.36	10.85			616.41	428.71		
C-D		40° 57½'	N 40° 57½' E	43.54	32.88		28.54			583.53	400.17		
D-Face		87° 00'	N 87° 00' E	18.0	0.94		17.98			582.59	382.19		
					<u>No 9 Level</u>				<u>North Contact Drive.</u>				
8										587.51	668.98	see notes 1916	
8-Face		326° 50'	N 33° 10' W	54.0	45.20		29.54			542.31	698.52		
					<u>No 9 Level</u>				<u>No 4 crosscut.</u>				
14										1010.23	748.70	see notes 1916.	
14-22		128° 20'	S 51° 40' E	140.94		87.42	110.56			1097.65	638.14		
22-23		210° 01'	S 30° 01' W	28.94		25.06	14.48			1122.71	652.62		
23-TS		164° 49'	S 15° 11' E	16.00		15.44	4.19			1138.15	648.43		
TS-Face		215° 00'	S 35° 0' W	31.0		25.39	17.78			1163.54	666.21		

*Handwritten signature*