O.S. 337

M

TRAVERSE ABSTRACT

Town

Traverse M.

Date Angle Book Sketch, Distances, etc., on Reverse Side

Station	To	1st Round ° ′ ″	2nd	3rd	4th	5th	6th	~~Mean Dist.~~ ° ′ ″	~~R.P.~~ Dist.	Va R.P. Check
G 11a	M 1	93 00	92 00					92 30	48.0	+15°
M 1	M 2	93 30	93 00					93 15	22.75	+8° 45′
M 2	M 3	112 00	111 00					111 30	15.00	+3°
M 3	M 4	95 30	–	–				95 30	21.00	0
M 4	G 8	129 00	–	–				129 00	46.00	−61°
M 4	G 5	20 00	19 00					19 30	61.17	−9°

(*35202) Wt.44019/239 25,000 3/48 A.& E.W.Ltd. Gp.685
(*36224) Wt.20773/261 130,000 8/48 " "

Tups. { first 50′ 98.67
second – 99.75′

Observer

~~Abstracted~~ by

L. M

O.S. 337

TRAVERSE ABSTRACT

Town G. B.

Traverse L. (Fell-o-Boat – Boulder Chamber)

Date _____ Angle Book _____ Sketch, Distances, etc., on Reverse Side

Completion test of X traverse.

Station	To	1st Round Back	2nd Back	3rd	4th	5th Angl.	6th	Mean Dist. ° Dist		R.P. Dist. Lt	Rt	R.P. Check Fl	Rf
D17?	D18? L1.	120°	298°			-27·5		11'	6"	7'	3'	0	4'
L1	L2	354	175			-25·5		19'	10"	ø		0	4'
L2	L3	16°	194			-12		10'	10"	5	2	2	6
L3	L4	353?	178			+20·5		6'	9"	½	3	1	2½
L4	L5 (D22)	328·5	149.			+ 4		6'	11"	2	1	3	1½
L5	L6 (D23)	—	—			— 90°		9'	6"	2½	3	0	3½
L6	L7	286	107			— 9		8'	8"	5	5	2	
L7	L8	343°	164°			+ 1		3'	10"	2	½	0	2
L8	D26. △	326°	145			+ 7		26'	6"	½	2½	0	2.
	M Traverse. (Cut following)												
G11a	M1	93°	272°			+ 15°		48'	0'				
M1	M2	93·5	273			+ 8¾°		22'	9"	3	2	0	5
2.	3	112	291			+ 3		15'	0"	1	½	0	4
3	4	95·5	—			0°		21'	0"	1	½	0	4½
4	G8	129	—			— 61°		46'	0"	4	5	1	2
4	G5.	20°	199°			— 9°		61'	2"				
	Boulder Chamber												
D26	a	339				+ 26		14'					
D26	b	120				0		18'	6"				
D26	c	202						10'					
	d	73						13'					
	e	253						8'					
	f.	54				+ 5		13'	9"			R	F
f	g	844				+ 23		42'		6	2	4	3 f
g	h	40				+ 22		10'		6	4	3	0 g
~~K~~ g	J.	208				+ 12		7'		2	2	2	0 H
J	K	220				- 23		10'		4	6	8	2 J
K	a.	164				- 20		24'		0	10	2	4 K
K	m	335				+ 25		20'					
K	n.	310				+ 35		30'					
m.										8	8		a
n										2	1.		

(*35202) Wt.44019/239 25,000 3/48 A.& E.W.Ltd. Gp.685
(*36224) Wt.20773/261 130,000 8/48 " "

Tape chain R

Observer _____ Abstracted by 8" in first 3" in second 50'

G D M.

O.S. 355

TRAVERSE COMPUTATION — MACHINE METHOD

Name of Traverse loop 2 ↑↑ *Computer* *Date*

Total Length 1221.00 *Error*

BEARINGS

1 G10=G9 ~~25'~~ 9 53 | 10-11 321° 00 − 240 16 = 80 44 | 10-12 253 53 − 175 01 = 78 52

Mean G10-G9 79° 50'
− 10 22
69 28
240 16
10-G11 309 44

2

3

4

Station	Bearing	Corr.	Corrected Bearing	Distance	Cos. V.A.	Sine	Cosine	E.	N.
G5		−10 22				−	−	638.30	151.10
M4	S199 30		189 08	18.17		15873	98732	635.42	133.16
						~~33381~~	~~94264~~	641.60	129.50
G8				7.31		−	+		
M4	309 00		298 38	~~6.70~~		87770	47920	635.72	132.71
				Mean	M4.				
G5						−	−		
G7			182 41	8.41		04682	99890	637.9	142.6
						+	−		
G8			163 42	13.65		28067	95981	641.6	129.5
			166 20			+	−	13. ~~23~~	0 ~~16~~
G9	165 18	+102	~~165 18~~	15.84		23627	97169	645.34	114.11
	345 18					−	−	5.98. ~~10~~	12. 7.08
	263 02								
G10	248 20	+102	249 22	20.29		93585	35239	~~626.35~~	106.96
	68 20		310 27			−	+	32 18. 27	16 62. ~~55~~
	240 16								
G11	308 36	+102	309 38	10.08		77014	63787	618.59	113.39
	128 36			21.61	?	−	+	48 4.58	23 50. 44
	191 30								
G11a	320 06	+102	321 08	21.61	?	62751	77861	~~605.03~~	130.21
						+	+	57 30. 28	28 2. 40
M1	92 30	−102	82 08	13.95		99059	13687	~~618.85~~	132.12
						+	+	62 6 4.94	30 6 3.25
M2	93 15	"	82 57	6.76		99244	12274	~~625.56~~	~~132.95~~
						+	−	66 2. 34	32 40
M3	111 30	"	101 08	4.50		98118	19309	629.97	132.08
						+	+	70	58 34 132.54
M4	95 30	"	85 08	6.32		99639	084484	636.27	132.62
								5.58	2.94
								−.70	+.32

N1

(85316) Wt.46435/242 120,000 3/48 A.& E.W.Ltd Gp.685

O.S 355.

TRAVERSE COMPUTATION – MACHINE METHOD

Name of Traverse..... *Computer*..... *Date*.....

Total Length..... *Error*.....

BEARINGS

1

2

3

4

Station	Bearing	Corr.	Corrected Bearing	Distance	Cos. V.A.	Sine	Cosine	E.	N.
C8								641·66.	129·50.
9	167 23	4'	16	15·84.		+22041.	−97541	645·15.	114·05
10	347 26302. 25025	13'	12	20·18.		−94088.	−33874	626·16	107·91
11	70 27016. 31041	20.	21	10·08.		−76210.	+27746.	618·78	113·76.
11a	130 191 30. 325 11	26'	321 45	21·52.		−61909.	+78532	605·14	130·66
M1	142 141 38. 92 30.	-33'	92 08	13·95 / 15·75		+99059.	+13687.	618·98.	132·57.
M2	92 30		92 53	6·76 / 22·19		+99230	+12387.	625·69.	133·41
M3	111 30.		101 08	4·50		+98118.	−19309	630·10. 676·91	132·54.
M4	95 30 +22 00.		95 08 118 38	6·32 / 99·2.		+99632	+08484	636·39. 683·21	133·07. 139·34.
								635·59.	132·98.
								−.91.	−.13
C5								638·27.	151·12.
M4	189 30.		189 08	18·20.		−15873.	−98732.	635·38.	133·15.
C8								641·66.	129·50.
M4	309 00.		29834	6·70.		−87826	+47818	635·78.	132·70.

(85816) Wt.46435/242 120,000 3/48 A.& E.W.Ltd Gp.685

O.S 355.

TRAVERSE COMPUTATION — MACHINE METHOD

Name of Traverse..... *Computer*..... *Date*.....

Total Length..... *Error*.....

BEARINGS

1

2

3

4

Station	Bearing	Corr.	Corrected Bearing	~~Distance~~ FT	~~Cos.~~ V.A. M.	Sine	Cosine	E.	N.
G G¹				386.		+	+		
9 - 10.	19 - 19.	—		70·833	21·45.	33974	94058	23·84	20·18.
G G				34·71.		+	+	CANCELLED.	10·08.
10 - 11.	11 - 18	+		35·00.	10·58.	19595.	98061.	6·80	10·57
~~10 - 12~~				~~85·33~~					
11 - 11A	33 +2.	+		84·86. 85·33	25·87.	55484.	83195.	47·08.	21·59.
11A - M1	15 00.	+		47·36. 48·00	14·44.	25982.	96592.	13·26.	13·96. 15·75
M1 - M2	8 +5.	+		28·75. +5	6·84.	15212.	98836.	3·42.	6·76. 22·19
M2 - M3	03 00.	+		14·80. 15·00	4·51.	05237.	99963.	·77.	4·50.
M3 - M4	00 00.	+		20·72. 21·00.	6·32.				6·32.
~~M4 - M5~~	61 00	~~+~~		45·39. 46·00.	13·83.	97462	48481	39·70.	6·70.
~~M4 - 65~~				45·39 ~~45·00~~					
M4 - 65	09 00	-		60·47. 61·17	18·43.	15643	98769.	9·46.	18·20.

M

O.S. 355

TRAVERSE COMPUTATION — MACHINE METHOD

Name of Traverse M *Computer* *Date*

Total Length *Error*

BEARINGS

1

2

3

4

Station	~~Bearing~~ Va	Corr.	Corrected Bearing	Distance	Cos. V.A.	Sine	Cosine	E.	N.
						+			
G11a-M1	+15′ 00			47·36 ~~46·00~~	14·44	25882	96593		13·95′
				45′		+			
M1-M2	+8 45′			22·~~75~~	6·84	15212	98836		6·76
				14·81		+			
M2-M3	+3			~~15·00~~	4·51	05234	99863		4·50
				20·72					
M3-M4	0			~~21·00~~	6·32				6·32
				~~45·30~~ 45·39	13·83	−			
M4-G8	−61			~~46·00~~	~~18·83~~	87462	48481		6·70
				47 60·36		−			
M4-G5′	−9			~~61·17~~	1840	15643	98769		18·17

BM. 631 596 M

(35316) Wt.40435/242 120,000 3/48 A.& E.W.Ltd. Gp.685

O.S 355.

TRAVERSE COMPUTATION — MACHINE METHOD

Name of Traverse..... *Computer*..... *Date*.....

Total Length..... *Error*.....

BEARINGS

1

2

3

4

Station	Bearing	Corr.	Corrected Bearing	Distance	Cos. V.A.	Sine	Cosine	E.	N.
d 8					HEIGHTS.			625·44	
d 9								618·10.	
								~~601·60~~	
d 10.								574·26.	
d 11								601·06.	
d 11a.								648·15	
M1								660·40	
M2.								663·82.	
M3.								664·59	
M4.								664·59.	
								664·~~90~~ 67.	
								+ ·31	
								664·98	
d 5 - M4								664·67.	
d 6 - M4.								~~664·90~~	
								665·19.	