

FORT ST. JAMES  
36801 Etc.

## Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Index. No. 37319  
(For London Office only.)

6 JUL 1943

Ship's Name <u>S.S. "RIVERVIEW PARK"</u> <u>SHELBORNE COUNTY</u>	Official Number	Nationality and Port of Registry British Montreal	Gross Tonnage 7130	Date of Build 1943	Port of Survey QUEBEC, P. Q.
Moulded Dimensions: Length <u>416.00'</u> Breadth <u>56.88'</u> Depth <u>37.33' to upper deck</u> <u>To centre of rudder stock 417.35</u> <u>28.58' to second deck</u>					Date of Survey 1st. May, 1943.
Moulded displacement at moulded draught = 85 per cent. of moulded depth <u>16690 16590</u> tons SW					Surveyor's Signature <u>A. Nislop</u>
Coefficient of fineness for use with Tables <u>.778</u>					Particulars of Classification <u>+ 100 A.1</u> <u>with freeboard</u> (contemplated)

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
Moulded depth ... 37.33	(a) Where D is greater than Table depth (D—Table depth) R= <u>68</u> (37.38—27.73) 3.00 = 28.95'	Moulded Breadth (B) 56.88'
Stringer plate ... .05	(b) Where D is less than Table depth (if allowed) (Table depth—D) R= <u>9.56</u>	Standard Round of Beam = $\frac{B \times 12}{50} = 13.65''$
Sheathing on exposed deck $T \left( \frac{L-S}{L} \right) =$	If restricted by superstructures -	Ship's Round of Beam = <u>14.00''</u>
Depth for Freeboard (D) = <u>37.38</u>		Difference = <u>.35''</u>
		Restricted to
		Correction = $\frac{\text{Diff}}{4} \times \left( 1 - \frac{S_1}{L} \right) = \frac{.35}{4} = -.08''$

## DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed ...					
" overhang ...					
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed ...					
" overhang aft ...					
" overhang forward					
Fore enclosed ...					
" overhang ...					
Trunk aft ...					
" forward ...					
Tonnage opening aft ...					
" " forward					
Total ...					

Standard Height of Superstructure	7.50'
" " R.Q.D.	-
Deduction for complete superstructure	42.00"
Percentage covered $\frac{S}{L} =$	
" " $\frac{S_1}{L} =$	
" " $\frac{E}{L} =$	
Percentage from Table, Line A. (corrected for absence of forecastle (if required))	
Percentage from Table, Line B. (corrected for absence of forecastle (if required))	
Interpolation for bridge less than 2L (if required)	
Deduction =	Nil

## SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P. ...	51.60	1		51.60	54.63	54.63	1		54.63
1/2 L from A.P. ...	22.96	4		91.84	22.38	22.38	4		89.52
1/2 L " ...	5.68	2		11.36	4.88	4.88	2		9.76
Amidships ...	-	4		-	-	-	4		-
1/2 L from F.P. ...	11.35	2		22.70	11.75	11.75	2		23.50
1/2 L " ...	45.92	4		183.68	47.13	47.13	4		188.52
F.P. ...	103.80	1		103.80	104.75	104.75	1		104.75
Total ...				464.38					470.68

Mean actual sheer aft = Deficient but > 75%  
Mean standard sheer aftMean actual sheer forward = Excess  
Mean standard sheer forwardLength of enclosed superstructure forward of amidships = NIL  
" " aft of " = NILCorrection =  $\frac{\text{Difference between sums of products}}{18} \left( .75 - \frac{S}{2L} \right) = \frac{6.30}{18} \times .75 = -.29''$   
If limited on account of midship superstructure. No. Flush Deck

If limited to maximum allowance of 1 1/2 ins. per 100 ft. ✓

## Deduction for Tropical Freeboard.

## Addition for Winter and Winter North Atlantic Freeboard.

Ft.  
Depth to Freeboard Deck = 37.38  
Summer freeboard = 10.55  
Moulded draught (d) = 26.83Deduction for Tropical freeboard and addition for Winter freeboard =  $\frac{d}{4}$  inches = 6.71 6 3/4

Addition for Winter North Atlantic Freeboard (if required) = ✓

## Deduction for Fresh Water.

Displacement in salt water at summer load water line

 $\Delta = 13798$ 

Tons per inch immersion at summer load water line

 $T = 48.23$ Deduction =  $\frac{\Delta}{40T}$  inches  
= 7.15"  
= 7 1/4"

## TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient.  $\frac{.68 + .778}{1.36} = 1.458$ 

	+	-
Depth Correction ...	28.95	-
Deduction for superstructures ...	-	0.29
Sheer correction ...	-	0.08
Round of Beam correction ...	-	-
Correction for Thickness of Deck amidships	-	-
Other corrections, scantlings, etc. and to correspond to approved summer moulded draft of 26'-10" (26'-10 1/8" actual)	9.19	-
	38.14	0.37
Summer Freeboard =	126.50	

## SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck: 10'-6 1/2"

Tropical Fresh Water Line above Centre of Disc ...	14"	✓	Tropical Fresh Water Freeboard ...	9'-4 1/2"	✓
Fresh Water Line " " ...	7 1/4"	✓	Fresh Water " " ...	9'-11 1/2"	✓
Tropical Line " " ...	6 3/4"	✓	Tropical " " ...	9'-11 1/2"	✓
Winter Line below " " ...	6 3/4"	✓	Winter " " ...	11'-1 1/2"	✓
Winter North Atlantic Line " " ...	-	✓	Winter North Atlantic " " ...	-	✓