

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name S.S. "STRATHGONA PARK" CABANO	Official Number 174802	Nationality and Port of Registry British Montreal, Que.	Gross Tonnage 7156.70	Date of Build 1943	Port of Survey North Vancouver, B. C.
Moulded Dimensions: Length 416.50' 417.35' Breadth 56.90' Depth (37.33' to Upper Deck (28.58' to 2nd Deck To centre of rudder stock				Date of Survey August & Sept., 1943	
Moulded displacement at moulded draught = 85 per cent. of moulded depth 16,600 tons				Surveyor's Signature F. H. Gill	
Coefficient of fineness for use with Tables .771				Particulars of Classification *100 A1 with Freeboard (Contemplated)	

Depth for Freeboard (D). Moulded depth ... 37.33' Stringer plate06' Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = 37.39	Depth correction. (a) Where D is greater than Table depth (D—Table depth) R= (37.39—27.82) 3 = +28.71 9.57 (b) Where D is less than Table depth (if allowed) (Table depth—D) R= ✓ If restricted by superstructures ✓	Round of Beam correction. Moulded Breadth (B) 56.9' Standard Round of Beam = $\frac{B \times 12}{50} = 13.66$ Ship's Round of Beam = 14.00" Difference .34 Restricted to ✓ Correction = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{.34}{4} = .09''$
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed ...					
" overhang ...					
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed ...					
" overhang aft ...					
" overhang forward ...					
F'cle enclosed ...					
" overhang ...					
Trunk aft ...					
" forward ...					
Tonnage opening aft ...					
" " forward ...					
Total ...					

Standard Height of Superstructure _____
" " R.Q.D. _____
Deduction for complete superstructure _____
Percentage covered $\frac{S}{L} =$ _____
" " $\frac{S_1}{L} =$ } Flush Deck
" " $\frac{E}{L} =$ _____
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 Ins.	Effective Ordinate	S M	Product
A.P. ...	51.73	1	51.73	55.00	55.00	1	55.00
1/4L from A.P. ...	23.02	4	92.08	23.25	23.25	4	93.00
1/4L " ...	5.69	2	11.38	6.50	6.50	2	13.00
Amidships ...	-	4	-	-	-	4	-
1/4L from F.P. ...	11.38	2	22.76	11.63	11.63	2	23.26
1/4L " ...	46.04	4	184.16	46.75	46.75	4	187.00
F.P. ...	103.47	1	103.47	105.00	105.00	1	105.00
Total ...			465.58				476.26

Mean actual sheer aft =
Mean standard sheer aft = } Excess
Mean actual sheer forward =
Mean standard sheer forward = }
Length of enclosed superstructure forward of amidships = } Flush Deck
" " aft of " = }

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{10.68}{18} \times .75 = -.45$
If limited on account of midship superstructure. NO. Flush Deck

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = 37.39 Summer freeboard = 10.56 Moulded draught (d) = 26.83 Deduction 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 $\Delta = 13760$ Tons per inch immersion at summer load water line T = 48.20 Deduction = $\frac{\Delta}{40T}$ inches = 7 1/4"	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient. $.771 + .68 = 1.451 / 1.36$ Depth Correction ... 28.71 Deduction for superstructures ... Sheer correction45 Round of Beam correction09 Correction for Thickness of Deck amidships ... Other corrections, scantlings, etc. to correspond to a Summer Moulded Draught of 26' 10" Summer Freeboard = 126.75
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck: 10' 6 3/4"

Tropical Fresh Water Line above Centre of Disc ... 14"	Tropical Fresh Water Freeboard ... 9' 4 3/4"
Fresh Water Line " " ... 1 1/4"	Fresh Water " " ... 9' 11 1/2"
Tropical Line " " ... 6 3/4"	Tropical " " ... 10' 0"
Winter Line below " " ... 6 3/4"	Winter " " ... 11' 1 1/2"
Winter North Atlantic Line " " ... 1"	Winter North Atlantic " " ... 11' 1 1/2"

A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

North Vancouver, B. C.

August 10, 1943

1943

7126.70

British

174002

STANTON PARK

.S.S.

(37.33 to Upper Deck
(28.58 to 2nd Deck
16.800

56.00

416.20

1200 AL
(with Freeboard (Compensated)

26.01

14.00

27.33

100.

PLUMB DECK

100.00
27.33
28.58
6.20
--
17.63
28.75
100.00

Trade of ship.....

S.S. "FORT COLUMBIA"

Names of sister ships..... **Burrard Dry Dock Co. Ltd., North Vancouver, B. C. (Yard No. 180)**

Builder's name and yard number..... **Burrard Dry Dock Co. Ltd., North Vancouver, B. C. (Yard No. 184)**

Owners **Minister of Munitions & Supply of Canada**

Fee £ **\$100.00**



© 2021

Lloyd's Register
Foundation