

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, ~~SAILING SHIP~~, TANKER.)

 31 MAR 1944
 Index. No. 87573
 (For London Office only).

Ship's Name **"FORT WALLACE"**
YANCOUVER COUNTY

Official Number **169854**

Nationality and Port of Registry **British**

Gross Tonnage **7160.62**

Date of Build **1944**

Port of Survey **North Vancouver, B.C.**

Date of Survey **February, 1944.**

Surveyor's Signature *[Signature]*

Particulars of Classification **Contemplated, *100 A1 with freeboard corresponding to a summer moulded Dft. of 26'-10"**

Moulded Dimensions: Length **417.35** Breadth **56.90'** Depth **(37.33' to Upper Deck (28.58' to 2nd Deck)**

Moulded displacement at moulded draught = 85 per cent. of moulded depth **16,600** tons

Coefficient of fineness for use with Tables **.771**

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

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 $\frac{S}{L} =$ _____

" " $\frac{S_1}{L} =$ **N/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 = **N/L.**

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		
1/2L from A.P. ...	23.02	4	92.08	23.25	23.25	4	93.00		
1/2L " ...	5.69	2	11.38	6.50	6.50	2	13.00		
Amidships ...	-	4	-	-	-	4	-		
1/2L from F.P. ...	11.38	2	22.76	11.63	11.63	2	23.26		
1/2L " ...	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 = _____

Mean actual sheer forward = _____

Mean standard sheer forward = _____

Length of enclosed superstructure forward of amidships = _____

" " aft of " = **N/L.**

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.**

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

Deduction for Tropical Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)
Addition for Winter and Winter North Atlantic Freeboard.	Displacement in salt water at summer load water line	Correction for coefficient. $\frac{.771 + .68}{1.36} = \frac{1.451}{1.36}$
Depth to Freeboard Deck = 37.39	$\Delta = 13,760$	Depth Correction ... 28.71
Summer freeboard = 10.56	Tons per inch immersion at summer load water line	Deduction for superstructures ... -
Moulded draught (d) = 26.83	T = 48.20	Sheer correction45
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 6.71 = 6 3/4	Deduction = $\frac{\Delta}{40T}$ inches = 7 1/4	Round of Beam correction09
Addition for Winter North Atlantic Freeboard (if required) = <input checked="" type="checkbox"/>		Correction for Thickness of Deck amidships ... -
		Other corrections, scantlings, etc. to correspond to a summer moulded draught of 26'-10" ... 9.80
		Summer Freeboard = 126.75

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, **100%** 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 " ...	7 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 " ...	✓	Winter North Atlantic " ...	✓

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.

February, 1944.

1944 1944

British

"PORT KILLAGE"

(37.33' to Upper Deck
(38.38' to 2nd Deck
10,000

26.90'

416.50'

Contingent
100 AI with freeboard
corresponding to a summer
loaded draft of 26'-10"

26.91

14.00'

37.33'

100'

102.00
46.72
11.63
-
6.20
23.22
22.00
Ins.

Trade of ship.....

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. 200)**

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

Fee **\$100.00** *pl*

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