

STEEL STEAMER or MOTORSHIP.

Received at London Office

17 AUG 1945

State if Report has been sent on the Freeboard of the Vessel Yes

State if Report is sent on the Machinery of the Vessel Yes

Sydney Rpt No 20120

Date of completion of report

11th July 1945

Port of WHYALLA - South Aust. No. 31

Survey held at

WHYALLA

Date First Survey

28th Dec. 1943

Last Survey

10th July

1945

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

STL. SGL. SC. SR.

"RIVER MURRUMBIDGEE"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

Complete Superstructure with T.O. (T.O. permanently closed as W.E.)

State Type of Erections C.S.S.

TONNAGE under Tonnage Deck...

4209.03

CLASS *100-A-1.

State if with freeboard as condition of Class

Yes

Built at Whyalla - South Aust.

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a)

L 425.0

Launched 27 Feb. 1945 Yard No. 6

Total

Breadth (greatest moulded)

B 56.5

Builders Broken Hill Pty. Co. Ltd.

Gross Tonnage

5093.37

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 27.5 1/2 27.5

Owners Commonwealth of Australia

Dept. of Supply & Shipping

Register Tonnage

2846.34

1st Longitudinal Number (L x D)

= 15087

Managers

(Where necessary to be entered in Reg. Book.)

2nd Numeral L x (B + D)

= 39100

Residence

REGISTERED DIMENSIONS.

FEET.

Length

432.8

Breadth

56.67

Depth

23.83

Framing Depth "d," at middle of length. See Sec. 3 (1d)

23.66

Proportions—Depth to Length—Uppermost continuous deck to top of keel

11.60

Do. Long Bridge to top of keel

Draught Moulded

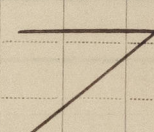
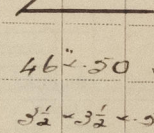
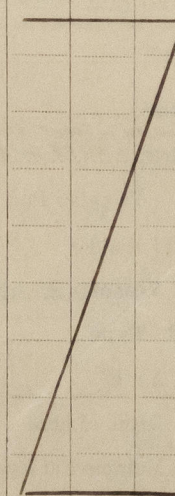
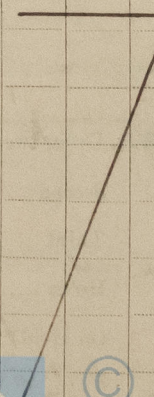
25'-5 3/4"

Port of Registry PORT ADELAIDE

If surveyed while building, afloat, or in dry dock

While Building

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	28" ✓		Bracket Floors, Frame		
" " from 3/4 length amidships to Collision bulkhead	28 1/2 24" ✓		" " Reversed Frame		
" " in peaks	24" ✓		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	46" 50" ✓	
Frame Amidships, Angle, [or]	12 x 3 1/2 x 3 1/2 40 60 ✓		" " top Angles Double	3 1/2 x 3 1/2 x 50 ✓	
" " Extends up to	2 nd Deck ✓		" " bottom Angles Double	4 x 4 x 50 ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	One C 38 in. flange ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	42 1/2 x 54 ✓	
Depth of Framing Girder	12" ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 1/2 x 3 1/2 x 50 ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	6 x 3 1/2 x 3 1/2 every frame ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	5 x 5 x 50 ✓	
" " Second 'tween Decks, Angle, [or]	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	Continuous plate 42 ✓	
" " Third	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	Continuous plate 42 ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	12 x 3 1/2 x 3 1/2 40 60 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	72" x 42 ✓	
" " in Peaks, Angle, [or]	6 x 3 1/2 x 3 1/2 ✓		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8 Riv. spaced 4 1/2" 7 dia. 6 1/2" dia. apart C.T.C. ✓		Breadth and thickness of Middle Line Strake	50" x 32 ✓	
State if Frame Joggled	yes ✓		Thickness of remainder in Holds	12 ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes ✓		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	yes ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes ✓		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Walls, Angle, [or]	8 x 3 1/2 x 50 ✓	7 x 3 x 36 42 ✓
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, [or]	✓	
Height of Brackets at side above base line at toe of frame			Spacing	every ✓	
Middle Line Keelson, on Floors, Angles, [or]			Second Deck, amidships, Angle, [or]	8 x 3 1/2 x 50 ✓	7 x 3 x 36 42 ✓
" " Through Plate or Intercoastal Plate			Spacing	every & see deck plan	
" " Foundation Plate on Floors			Third Deck, amidships, Angle, [or]		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, [or]		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Poop Deck, Angle, [or]		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	42 ER 50 BR ✓		Bridge Deck, Angle, [or]		
" " Are Frame and Reversed Frame joggled?	39 every ✓		Spacing		
Bracket Floors, breadth and thickness at middle line	None ✓		Forecastle Deck, Angle, [or]	9 x 3 x 30 40 ✓	
" " breadth and thickness at margin plate	" ✓		Spacing	alternate ✓	

PILLARS AND DECKS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	
PILLARS , No. of Rows.....			Stringer Plate, breadth and thickness in way of Bridge	✓		
„ in 'tween Decks, Size and Spacing.....			Thickness of Plating abreast Deck openings) in way of Wells	✓	✓	
„ „ „ „ „			Thickness of Plating abreast Deck openings) in way of Bridge	✓		
„ in Holds „ „			Thickness of Plating within line of openings...	34	✓	
„ „ „ „ „			If Sheathed, material and thickness	None	✓	
Centre Line Bulkhead.			Third Deck.			
Stiffeners and Spacing.....	<i>Twelve Dks</i> 5'3" x 3 1/8" x 1/6" 6'3 1/2" x 1/2" L ✓ <i>Alternate - Holds</i> 7'3" x 3" x 3/8" L ✓ 10'10" x 3 1/2" x 3/8" x 3/8" L ✓		Stringer Plate, breadth and thickness.....			
Plating, thickness of	<i>Twelve Dks</i> 26" 30" ✓ <i>Holds</i> 30" ✓		If Plated, state thickness.....			
STRINGERS AND DECKS.			Fourth Deck.			
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness in Wells	60" x 66" ✓		If Plated, state thickness			
„ „ „ „ in way of Bridge	✓		Poop Deck.			
„ Angle in Wells	14" x 4" x 3/8" ✓		Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings) in way of Wells	66" ✓		Plating, Sheathing, material and thickness ...			
Thickness of Plating abreast Deck openings) in way of Bridge	✓		Bridge Deck.			
Thickness of Plating within line of openings...	40" ✓		Stringer Plate, breadth and thickness.....			
If Sheathed, material and thickness	None ✓		Plating, Sheathing, material and thickness ...			
Second Deck.			Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...	68" x 43" ✓		Stringer Plate, breadth and thickness.....	60" x 36" ✓		
			Plating, Sheathing, material and thickness ...	36" ✓		
				None Sheathing ✓		

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>1/0</i>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	<i>50</i> ✓	<i>.78</i> ✓	<i>.68</i> ✓	<i>.68</i> ✓		<i>Double</i> ✓	<i>7/8</i> ✓	<i>3 1/2</i> ✓	<i>Quad to treble</i> ✓	<i>1 1/2</i> ✓	<i>3 1/2 - 3 1/2</i> ✓	<i>Inside Straps</i> ✓
„ DBLG. (if any)		✓										
BOTTOM PLATING, No. of Strakes <i>H</i>	<i>A 78</i> ✓ <i>B 78</i> ✓ <i>C 84</i> ✓ <i>D 78</i> ✓	<i>.59</i> ✓	<i>.63</i> ✓ <i>.56</i> ✓ <i>.56</i> ✓ <i>.56</i> ✓	<i>.48</i> ✓	<i>App. .59-.50</i> ✓ <i>Rule .57-.50</i> ✓	<i>Double</i> ✓	<i>7/8 x 3/4</i> ✓	<i>3 1/2 x 3</i> ✓	<i>Treble</i> ✓	<i>7/8 x 3/4</i> ✓	<i>3 1/2 x 2 3/8</i> ✓	<i>Lapped</i> ✓
BILGE PLATING, No. of Strakes <i>I</i>	<i>E 66</i> ✓ <i>F 79</i> ✓ <i>G 78</i> ✓ <i>H 78</i> ✓ <i>J 78</i> ✓ <i>L 51</i> ✓	<i>.56</i> ✓	<i>.56</i> ✓ <i>.56</i> ✓ <i>.56</i> ✓ <i>.56</i> ✓ <i>.56</i> ✓ <i>.46</i> ✓	<i>.48</i> ✓	<i>-Do-</i> <i>See Letter 15/2/43</i> <i>attached 1st Entry</i> <i>"River Clearance"</i> ✓✓	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
UPPER DECK, Sheer-strake in Wells.....		<i>.66</i> ✓	<i>.46</i> ✓	<i>.46</i> ✓		<i>"</i>	<i>"</i>	<i>"</i>	<i>Quad to treble</i> ✓	<i>"</i>	<i>3 1/2, 3 1/2</i> ✓ <i>2 3/8</i> ✓	<i>"</i>
UPPER DECK, Sheer-strake in Bridge ...						<i>"</i>	<i>"</i>	<i>"</i>				
STRAKE BELOW Sheer-strake in Wells.....	<i>K 52</i> ✓	<i>.56</i> ✓	<i>.46</i> ✓	<i>.46</i> ✓		<i>"</i>	<i>"</i>	<i>"</i>	<i>Treble</i> ✓	<i>"</i>	<i>3 1/2 x 2 3/8</i> ✓	<i>"</i>
STRAKE BELOW Sheer-strake in Bridge ...												
POOP SIDE PLATING												
BRIDGE SIDE PLATING ...												
FOREC'TLE SIDE PLATING	✓		<i>.39</i>	✓		<i>Single</i> ✓	<i>3/4</i> ✓	<i>3</i> ✓	<i>Single</i> ✓	<i>3/4</i> ✓	<i>5 3/8</i> ✓	<i>"</i>

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	7	Was Emergency
Extending to Upper Deck (Sec. 3 c)	1 ✓	Bulkds. of frames 40, 45, 116, 117 extended to Streets
„ Deck next below	6 ✓	deck + made W.T. ✓
As per Rule	7	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		✓		
STEM Lower - Steel casting	—	9 1/2 x 2 1/4	✓ Hatfield's	
STEM Upper - M.S. plate	—	56 - 52	✓ Rust Ltd.	
STERN FRAME { Propeller Post	C.S.	See plan	B.M.P. Coy Ltd.	
{ Rudder	C.S.	See plan	Newcastle M.S.W.	
Speed of Vessel		12 knots	✓	
RUDDER—Type		Oertg	✓	
" A x D		540	✓	
" Diam. of head		11"	✓	
" Mainpiece at top pintle	C.S.	See plan	Industrial Steels Ltd.	
" " heel ...	C.S.	"	"	✓
" how constructed		steel plates & angles	✓	
" double or single plate		Double 50	✓	
" coupling, vertical or horizontal		Scamper	✓	

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Heart/ process /
Broken Hill Pty Co Ltd - Newcastle N.S.W. & Australian Iron & Steel Co Ltd - Port Kembla N.S.W.

Has the Steel been tested as required by the Rules? Yes ✓

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

This vessel is a duplicate of the same Builders "River Derwent" & "River Murchison"
Copies of the approved plans are retained for dealing with Sister vessels. (Originals in Gls. Office)
Plans of midship section, profile & decks as built, also forging reports now forwarded.

PARTICULARS OF ELECTRIC WELDING (if employed) All deckhouses, casings, boat deck, navigating bridge
gun platforms, masts & emergency tween deck w.t. bulkheads & Fele. Dr. completely welded.
Welding also employed for odd work of non-structural importance /
Note:- Second deck completely riveted in this ship /

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

Cruiser Stern; E.S.D.; D.F.; Tonnage opening closed 45 (W.E.)

Fitted for Oil fuel 45.— F.P. above 150° Fah.

7 Bulk^{ds} (Coll. Bhd. to Weather Dr.; 6 to 2nd Dr.) 5 Divisional w.t. Bulk^{ds} in tween dks. excluding Coll. Bhd.
one not to Rule scantlings i.e. 4 Div. w.t. Bhd. in R.B.

Particulars of Drop Test of
Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials,
Number of Certificate, Date
of Test.

1st Bower 46.50 cwt, C.R.M.; H^o 1015; 20.5.42
2nd " 46.16 cwt, C.R.M.; H^o 1035; 20.11.42
3rd " 13.50 cwt, C.R.M.; H^o 1003; 20.5.42

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 42.25 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 156020 Signal Letters VMST Extreme Breadth over Belting 56.7' Over-all Length 449'-2" (Circ. 1703)

No. and Material of Decks 1 Dr (STE) Shelter dr (STE)

Parts of Bottom of Vessel coated with cement or approved composition Cement in Boiler Room Dbl. bottom tank also peak tanks
F.w. tanks in E. & B. space also peak tanks cement washed — W. Ballast tanks coated with "Contrade"

Bilges coated with zinc paint & varnish

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	100.33	226	Fore peak tank,	32.25	240
Double bottom, under Engines and Boilers, F.W.	49.00	223	After peak tank,	30.53	240
Double bottom, if under Engines only, Cofferdams	4.67	21	Deep tank, aft,	✓	
Double bottom, if under Boilers only,			Deep tank, forward,	✓	
Double bottom, forward,	192.16	741	Other tanks, if fitted,		
Total length (if continuous) and Capacity	346.16	1211	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 105
(now A.14) A.3.

Date 10th April 1942

Dates of Surveys
held while building

1943 Dec. 28 1944 Jan. 6, 10, 20, 25 Feb. 4, 11, 15, 28 Mar. 1, 4, 17, 21, 28, 30 Apr. 12, 14, 18, 20, 24
May 9, 17, 24, 29 June 6, 13, 20, 28, 30 July 4 Aug. 4, 10, 13, 16, 23, 30 Sep. 5, 11, 15, 19, 22, 27
Oct. 2, 3, 12, 18, 23, 26, 28 Nov. 3, 6, 7, 9, 10, 15, 17, 27, 29 Dec. 1, 4, 6, 8, 13, 19 1945 Jan. 5, 6, 12, 15, 17,
18, 19, 23, 25, 30 Feb. 3, 4, 15, 16, 19, 21, 23, 24, 26, 27, 28 Mar. 20, 24, 26, 27, 28, 29 Apr. 4, 6, 9, 11, 13, 16
18, 19, 25, 30 May 3, 4, 7, 14, 21, 23, 28, 30, 31 Jun. 3, 5, 6, 11, 13, 19, 20, 21, 25, 27, 28 Total No. of Visits 127
July 3, 5, 6, 7, 10