

# Port Authority of New South Wales

## Berths and Channels

### **Changes to this edition include:**

**Kurnell berths 1 and 2  
Sydney Main Channel**



23 September 2016

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# 1 Sydney Harbour

Code	Berth / Channel	Depth of Berth/Channel (mLAT)	Size of Berth	Start/End Berth Box	Stringer Height	Survey Date	Plan Number	Remarks
	<b>ENTRANCE CHANNEL</b>							
SOU	The Sound	13.7m				06/08/2014	SSOU 003-A	
SW	Middle Head to Georges Head	13.7m	West channel 210m wide			18/05/2016	SEN1 009-A	Depths < 13.7m east of a line: - 40m west of the Sea Buoy - 45m west of the West Channel buoy - 25m west of Western Wedding Cake Depths 12.9m NE of Junction Buoy
SW	Georges Head to Chowder Head	13.7m				18/05/2016	SEN2 009-A	Depths <13.7m 60m NNE of the Western Wedding Cake Depths <13.7m up to 100m into the shipping fairway from a line drawn SW from Georges Head Beacon
CBOFI	Chowder Bay Tanker Berth and Approaches	12.0m	172 x 35			18/05/2016	SCB1 014-A	- Chowder Bay Naval Oil Berth - Channel approaches to Chowder Bay Oil Berth (refer SEN2 004-A)
SW	Chowder Head to Bradleys Head	13.7m				11/08/2015 to 09/08/2015	SEN2 008-A SEN4 008-A	Depths <13.2m remain @ 600m east of the Bradleys Head East Cardinal Mark  13.6m ~ 600m and 111 deg from East Cardinal Mark  13.6m ~ 610m and 95 deg from East Cardinal Mark.
SE	Lady Bay to East Channel Pile	10.5m	East channel 180m wide			11/08/2015 to 09/08/2015	SEN1 008-A	Depths <10.4m east of channel, 40m SW of Lady Bay Buoy
SE	Eastern Channel and Deviation Cut	10.5m (East Channel) 6.1m (Deviation Cut)				11/08/2015 to 09/08/2015	SEN2 008-A SEN3 008-A SEN4 008-A	- Depths less than 10.4m east of channel limit, 40m SW of Lady Bay Buoy

								- Depths < 10.5m 80m west of Laings Point
B1 B2 T1 W1	Entrance Channel, including Anchorages	13.5m (Bank Anchorage 1) 13.5m (Bank Anchorage 2) 12.8m (Triangle Anchorage) 10.5m (Watsons Bay Anchorage)	300m 450m 250m 310m			11/08/2015 to 09/08/2015	SENA 006-A	B1: Vessels 150m-190m LOA and draft less than 13.4m B2: Vessels 210m – 340m LOA and draft less than 13.1m T1: Vessels less than 150m LOA and draft less than 12m W1: Vessels 150m – 200m LOA and draft less than 9.9m

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	<b>MAIN CHANNEL</b>							
	Point Piper to Garden Island	13.7m (mid channel)				20/08/2014 to 7/10/2014	SMC1 006-A	- Depths <13.7m 270m S of Point Piper #1 Buoy, extending to the edge of the channel.
SA SA1	Bradleys Head to Fort Denison	13.7m (mid channel) 13.4m (south of Fort Denison)				26/07/2016 to 3/08/2016	SMC2 008-A	- Depths < 13.7m 50m NE of Athol #4 Buoy extending to the edge of the channel (11.8m min.) - Depths <13.7m 90m SW of Bradley's Head along fairway (9.7m min.) - Depths <13.4m 90m N of the tip of Garden Island (11.7m min.) - Depths <13.7m 60m E of Fort Denison extending up to 660m E of Fort Denison (9.3m min.)
SB	Fort Denison to Harbour Bridge	13.7m (mid channel)				26/07/2016 to 3/08/2016	SMC3 008-A	- Depths <13.7m under N end of harbour bridge (10.6m min) - 13.4m (south of Fort Denison) - 13.4m 130m south of Milsons Point - 12.1m 30m S of Kirribilli Point

								- Depths <13.7m W of Kirribilli Point (11.8m min. @ 140m W)
SC SD	Harbour Bridge to Balls Head	<b>13.7m</b> (mid Channel)				20/08/2015 to 7/10/2015	SMC4 008-A	- Channel limit - Walsh Bay No. 7 to NE corner of Goat Island. - Depths <13.0m north of line from Blues Point to 30m north of centreline of Harbour Bridge (10.2m min). - Depths <13.7m 9m inside of channel limit at Dawes Pt (12.2m min) - 13.3m 120m SE of NE corner of Goat Island. - Depths <13.7m W of No37 Goat Is Port Marker buoy (10.3m min) - Depths < 13.7m S of Bradleys Head (9.1m min)
SD	Ballast Point to Gore Cove	<b>13.7m</b>				02/07/2009	SGC 003	Not regularly surveyed
PTP1	No 1 Point Piper	13.3m (for 260m) 12.8m (for 295m) 11.7m (for 330m) 10.6m (for 365m) 15.0m (at 350m radius from 209°T through North to 123°T bearing from buoy)	130m to channel			20/08/2014 to 7/10/2014	SMC1 006-A	Maximum displacement for securing without anchors: 50,000 tonnes
ATH4	No 4 Athol Buoy	11.7m (for 325m) 11.7m (for 300m) 12.0m (for 273m)	280m to channel			20/08/2014 to 7/10/2014	SMC2 006-A	Maximum displacement for securing without anchors: 16,000 tonnes
WB	Woolloomooloo Bay	<b>11.1m</b>				22/08/2012	SWLB 004-A	- 11.1m obstruction 37m east of Fleet Base 1 South



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	<b>DARLING HARBOUR</b>							
DH	Darling Harbour (channel)	12.0m				13/05/2016	SDH 009-A	<ul style="list-style-type: none"> <li>- 11.7m (130m SW of Millers Point light)</li> <li>- Depths 11.5m to 12.0m within 60m of line from eastern corner of Jones Bay wharf and north cardinal mark.</li> <li>- Depths 11.5m to 12.0m within 40m of northern end of Sydney Wharf Apartment wharf.</li> </ul>
	Lower Darling Harbour to Pyrmont Bridge					11/12/2008	SDH 002	Not regularly surveyed
	Pyrmont 7	8.1m				9/12/2015		Depths 7.8m at face in SW corner

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	<b>JOHNSTONS BAY</b>							
JB	Johnston's Bay (channel)	12.2m				21/06/2016	SWBJB 012A	<ul style="list-style-type: none"> <li>- Depths &lt;11.8m within 80m of eastern shore in Johnston's Bay</li> <li>- 11.6m 60m NW of south corner of Pyrmont Park</li> <li>- Depths &lt;11.9m within 50m of Pyrmont Park</li> <li>- Depths &lt;11.9m within 60m of north shore of Glebe Island</li> <li>- Depths of 11.9m in the mid channel : CH30 @ 55m off FFL</li> <li>- : CH 120 @ 70m off FFL</li> </ul>
GLB1	1 Glebe Island	11.9m	232 x 35	001 – 233	2.9m	21/06/2016	SGI1 010A	

GLB2	2 Glebe Island	11.8m	234 x 35	234 – 468	2.9m	21/06/2016	SGI2 010A	Bollard @ CH460 60T bollard pull. Re-survey required prior to commercial shipping entering berth
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	<b>WHITE BAY</b>							
WC	White Bay (channel)	12.2m				21/04/2016	SWBJB 012A	- Depths <11.7m 40m off CH900 @ WHT4 - 11.1m sounding 35m SE @ CH900 - Depths <12.0m 120m south of Peacock Point
GLB7	7 Glebe Island	10.7m	229 x 35	Continuous	4.1m	21/04/2016	SWBJB1-2 015A	GRA's Gypsum Hoppers Hopper 1 CH302 - 307 Hopper 2 CH278 - 283 Hopper 3 CH247 - 253  Sugar Australia's conveyor belt CH237 – 240

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	<b>WHITE BAY</b>							
GLB8	8 Glebe Island	8.1m CH15 8.1m CH16 8.2m CH17 8.4m CH18 8.5m CH19 8.6m CH20 8.7m CH21 8.8m CH22 8.8m CH23 8.9m CH24-25 9.0m CH26 9.1m CH27 - 29 9.2m CH30 – 34 9.0m	115 x 35	Continuous	4.1m	21/04/2016	SWBJB1-2 015A	CH0 - 15 is not available due to insufficient depth.  Cement Australia's unloading arms / hoses CH100 - 106



		CH34 – 38 9.1m CH38 – 40 9.2m CH40 - 42 9.3m CH42 – 46 9.4m CH46 – 130 9.5m						
WHT2	2 White Bay	<b>10.6m</b> 9.7m @ CH218	141 x 35	Continuous	3.1m	21/04/2016	SWBJB1-2 015A	Berth to be surveyed prior to end of leases and/or before the arrival of the first ship after the entire berth is vacated.
WHT3	3 White Bay	<b>10.7m</b>	260 x 35	Continuous	3.0m	21/04/2016	SWBJB3 011A	Depths of 10.2m between Ch 375 – Ch410
WHT4	4 White Bay	<b>11.1m</b>	254 x 35		3.0m	21/04/2016	SWBJB4 011A	11.1m @ CH895 x 45
WHT5	White Bay Cruise Terminal  White Bay Cruise Terminal (continued)	<b>11.0m</b>	333 x 35	0 - 333	3.0m	21/04/2016	SWBJB5 011A	Depths 10.8m between Ch0-25m. CH259 – CH333 (Bailey's licence area) is available for mooring lines for ships berthed at WHT5. <b>Fenders:</b> dual rubber cylindrical 0.5m OD x 0.25m ID x 1.67m long, chained to space evenly along the length of the berth. <b>Bollards:</b> 60 Tonne SWL <b>Line of berth:</b> 087° - 267° <b>Fresh water connections:</b> 12m, 57m, 120m, 164m and 225m. <b>Grey water connections:</b> 60m and 216m <b>Gangway operating limits:</b> Western gangway 116m to 176m Eastern gangway 156m to 216m

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	<b>GARDEN ISLAND</b>							
FB1 FB1N FB1S	Fleet Base East	11.1m	282m			01/09/2011		Refer SWLB 003B (Woolloomooloo Bay)
	East Wall	<b>7.9m</b>	190m x 35m			26/05/2015	SWLB3 001-A	Naval Berth
	West Wall	<b>10.2m</b>	190m x 35m			26/05/2015	SWLB3 001-A	Naval Berth
	Cruiser Berth	<b>7.7m</b>	270m x 35m			26/05/2015	SWLB2 001-A	Naval Berth
	Oil Berth	<b>7.4m</b>	156m x 35m			26/05/2015	SWLB1 001-A	Naval Berth

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	<b>GORE COVE &amp; BALLS HEAD &amp; APPROACHES</b>							
GB	Gore Cove/Balls Head Channel	<b>13.7m</b> (Balls Head to ex Coal Jetty)				8/12/2015	SGC 015-A	Depths <13.3m within 140m of Coal Jetty  Depths <13.3m are within 35m of Manns Point nav aid
GC	Gore Cove Approaches	<b>13.3m</b> (ex Coal Jetty to Mann's Point)				8/12/2015	SGC 015-A	Depths <13.1m within 150m of Coal Jetty
GOR1	1 Gore Cove	<b>13.0m</b>	320 x 55		4.45m	04/05/2016	SGC1 017-A	T-Head Jetty 12.6m, 100m North of Northern Dolphin & 5m in from Berth Box edge  Depths <13m from 35m NW from N Dolphin extending 1-10m into berth box.

GOR2	2 Gore Cove	9.8m	190 x 30		2.95m	8/12/2015	SGC2 015-A	Depths <9.6m in NW & NE corners.
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## 2 Botany Bay

Code	Berth / Channel	Depth of Berth / Channel (mLAT)	Size of Berth	Start/End Berth Box	Stringer Height	Survey Date	Plan Number	Remarks
	<b>BOTANY BAY</b>							
BE	Entrance Channel	15.6m				04/03/2015	BMC1 007-A	50m either side of Channel Centre Line
	Commercial Shipping Area						SP65-BMC4-1	Compiled Plan – Plan issued 28/08/2001
BM	Main Channel to Molineux Point	15.6m	Channel 270m wide at Molineux Point			04/03/2015	BMC2 007-A	50m either side of Channel Centre Line.  <b>NB:</b> With the introduction of the shipping fairway:-  1. the minimum depth in the 'southern passage corridor' on BMC2 005A is 13.3m, approx. 560m SSE of No. 2 Port hand channel beacon. 2. the minimum depth in the 'northern passage corridor' on BMC2 005A is 15.5m, approx. 150m SSE of Bumborah Starboard channel beacon.
BS	Port Botany Swinging Basin	15.9m				31/03/2016	BSWB 009-A	425m Radius ~ 15.9m  410m Radius ~ 16.2m

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BK	Kurnell 1 and 3 Approaches	12.8m				01/09/2016	BKSB 016B-2	Depths 11.8m, 25m East and 21m SE of No. 1 Buoy  Depths 12.7m and 12.6m NNE of No.8 buoy  12.5m ~ 7m East of Northern Mooring Dolphin
K12	Kurnell 2 Approach	12.1m				01/09/2016	BKSB 017B-1	

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	<b>HAYES DOCK</b>							
	Hayes Dock (channel)	16.4m				31/03/2016	BHD 009-A	
HD1	No. 1 Berth	16.1m	350x50	00 – 350	4.0m	31/03/2016	BHD1 006-A	
HD2	No. 2 Berth	16.2m	300x50	350 – 650	4.0m	31/03/2016	BHD2 006-A	
HD3	No. 3 Berth	16.3m	300x50	650 – 950	4.0m	31/03/2016	BHD3 006-A	
HD4	No. 4 Berth	16.2m	350x50	950 - 1300	4.0m	31/03/2016	BHD4 006-A	
	Tug Berth	N/A			4.0m	31/03/2016	BHDT 007-A	

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	<b>BROTHERSON DOCK (North Quay)</b>							
	Brotherson Dock (channel)	<b>15.0m</b>				14/04/2016	BBD 015-A	
BD5	No. 5 Berth	<b>16.4m</b>	156x50			04/05/2015	BBD5 006-A	
BD6	No. 6 Berth	<b>16.4m</b>	400x50			14/05/2016	BBD6 006-A	Depths <16.4m in NE corner from CH554m
BD7	No. 7 Berth	<b>14.2m</b> CH 550-650 14.6 CH 650-730 14.2 CH 730-900 14.9	344x50	556 – 900	3.6m	14/04/2016	BBD7 008-A	
BD8	No. 8 Berth	<b>13.9m</b> CH 900-905 14.5 CH 905-1020 13.9 CH 1020-1200 14.1	300x50	900 – 1200	3.6m	14/04/2016	BBD8 008-A	
BD9	No. 9 Berth	<b>13.9m</b> CH 1200-1220 14.1 CH 1220-1270 13.9 CH 1270-1540 14.3 CH 1540-1560 13.0	356x50	1200 – 1556	3.6m	14/04/2016	BBD9-008-A	

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	<b>BROTHERSON DOCK (South Quay)</b>							
	Brotherson Dock (channel)	<b>15.0m</b>				14/04/2016	BBD 016-A	
BD10	No. 10 Berth	<b>13.7m</b> CH 0-20 10.2 CH 20-30 12.0 CH 30-210 14.0 CH 210-350 13.7	350x50	000 – 350	3.6m	14/04/2016	BBD10 008-A	No ships to be berthed between 0m – 32m.
BD11	No. 11 Berth	<b>13.6m</b> CH 350-550 13.7 CH 550-650 13.6 CH 650-680 13.8 CH 680-750 14.1	400x50	350 – 750	3.6m	14/04/2016	BBD11 008 -A	
BD12	No. 12 Berth	<b>14.4m</b> CH 750-933 14.4	187x50	750 – 937	3.6m	14/04/2016	BBD12 008-A	
STB	Tug Berth	N/A				14/04/2016	BBDE 003-A	East of CH1710 depths <5m  East of CH1700 depths <6m

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	<b>BULK LIQUIDS BERTHS</b>							
BLB1	Bulk Liquids Berth 1	<b>18.3m</b>	320 x 55		3.4m	11/03/2015	BBLB 007-A	T-Head jetty  - Depths <18.3m for 35m north of Northern Dolphin - 0-75,000DWT - Normal Bookings. - 75,000 – 90,000DWT – On application. - Max LOA 230m when utilising any loading arm.

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								- LOA 230-243m (on application)
BLB2	Bulk Liquids Berth 2	19.0m	320 x 55		4.0m	11/03/2015	BBLB2 003-A	T-Head jetty Max LOA 270m
	Fishburn Rd Tug Berth	N/A				11/03/2015	BGFT 007-A	

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	<b>KURNELL</b>							
KUR1	No 1 Berth	12.8m	295 x 75		6.0m	01/09/2016	BKSB1 008-A	Depths < 12.8m at eastern edge of the fairway.  Depths of 12.3m exist to the south of the berth box
KUR2	No 2 Berth	12.1m	295 x 75		6.0m	01/09/2016	BKSB2 007-A	11.9m ~ Eastern edge of berth box 23m NNE from NW cnr of jetty  11.8m ~ SE cnr of KUR2 berth box
KUR3	No 3 Berth (Buoy Moorings)	14.0m	305 x variable width		N/A	20/06/2016	BKSB3 016-A	Depths < 14m extending 15m SE from NW corner  Depths < 14m extending 7m NE from SW cnr  Depths < 14m 50m SE of Spar buoy  Depths < 14m extend 25m NE of Spar buoy

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