

**UNDERKEEL ALLOWANCES TO CHART DATUM, SOUTH
EAST WALES
FROM 1 JANUARY 2010**

Berth	Reference tide board	Allowance based upon Chart Datum
Lysaghts	Newport	4.58
Birdport	Newport	3.48
Dallimores	Newport	5.78
Church Street Wharf	Newport	7.28
Alpha Steel	Newport	1.78
South Dock	Newport	0.72 (flood)
South Dock	Newport	1.28 (ebb)
Wrach Channel	Cardiff	0.90
Lady Windsor Lock	Barry	1.18
Barry Basin	Barry	2.68

1. To determine maximum arrival or sailing draft on a particular tide obtain the predicted height of high water from the tide tables and deduct the applicable allowance.

For example: If the predicted height of tide at Cardiff is 9.7 metres ACD then the maximum arrival draft will be $(9.70 - 0.90) = 8.80$ metres.

2. To determine when a vessel of a particular draft can dock or undock add the applicable allowance to the vessel's draft and look through the tide tables to find a tide on which the predicted height of water is equal to or in excess of the depth of water required.

For example: If the arrival draft of a vessel is 8.00 metres and the vessel is due to dock in Newport on a flood tide, the required height of tide will be $(8.00 + 0.72) = 8.72$ metres or greater.