

WEEKLY NAVIGATIONAL BULLETIN NO.5
FOR THE RIVER TEES, HARTLEPOOL AND TEES BAY
Issued by the Harbour Master on 1st February 2012

PD TEESPORT DREDGING, SURVEY AND BUOY-MAINTENANCE CRAFT

These craft work as and when required anywhere in the harbour; up-to-date information on their positions and intentions is available at all times from the Port Operations Centre.

CURRENT DRAFT FORMULAE

The “Current Working Draft Formulae” are based on the actual depths as shown on the latest berth and channel sounding charts available and should be used in establishing drafts/times of entry in the short term i.e. **ONLY** up to a day or two ahead.

The “Draft Formulae for Planning Purposes” are based as above, but limited by tolerance depths where applicable and these **MUST** be used in establishing drafts for longer term planning, chartering etc.

In either case, the formulae quoted provide for minimum underkeel clearance:

River Tees: 2.3m the Sea Reach and 0.9m in the River Channel and for berthing, except those berths marked*, where clearance is 0.5m for berthing, and berths marked **, where a clearance of 1.5m applies in respect of ships over 122m OAL.

Hartlepool: Underkeel clearance dependent on beam of ship.

The Duty Assistant Harbour Master is to be consulted in all instances of heavily drafted vessels and those cases where approaching a berth from a particular direction may allow a deeper draft without impinging on the above minimum underkeel clearance.

In formulating a vessel's passage plan, masters/pilots should take into consideration areas of shoaling within the navigable channel, as:

1. **North Channel Line**

1.1 Between Wilton Engineering Riverside Berth and East Quay Haverton Hill, where depths of less than 4.6 m extend up to 15 metres into the channel.

2. **South Channel Line**

2.1 Potash Terminal Roundhead - The water area bounded by the riverward extension of the Potash Terminal dredged box, from the riverward end of the berth structure to the South Channel Line, including the downriver cut away approach, shows a least depth of 6.1m.

NB: The channel is maintained and sounded only to a point 100 metres upriver of Simon Riverside Terminal (marked by dredged limit buoys).

/Continued

OBSTRUCTIONS

None.

NAVIGATIONAL AIDS

1. Power Station Outfall Beacon - unlit.
2. Potash Terminal Roundhead lower red light - unlit.
3. North Sea Supply Base upriver dolphin - unlit.
4. Newport Bridge - upriver - top green unlit.
5. Newport Bridge - downriver - both greens unlit.

ADDITIONAL INFORMATION

1. **Able TERRC Basin**

The draft formulae quoted on the attached sheets (where appropriate) for the TERRC Basin apply only to the approaches to the basin; information about the depths on the various berths should be obtained from the berth operator. The draught formulae and least depth information for berths 10 and 11 do not include shoaling over 40m at the W end and 50m at the E end of the berths.

2. **A & P Tees Frontage**

Owing to hazards around No.3 Dry Dock, berthing can only take place if the vessel can safely moor without running lines across No.3 Dry Dock.

3. **Tees Bay Wind Farm**

Installation vessel "Sea Jack" will commence installation of monopiles as soon as weather permits. The Tees Bay Wind Farm construction safety zone (marked by cardinal buoys) is closed to navigation by all vessels and watercraft due to obstructions, some below the sea surface, which will make navigation extremely hazardous.

Attention is drawn to Notices to Mariners No. 8, 10 and 11 of 2012 and RSS Marine Notice 1 – 2012.

HARBOUR MASTER

PD TEESPORT

HARBOUR MASTER'S OFFICE

DRAFT FORMULAE FOR PLANNING PURPOSES

Date: 01.02.2012 17:19 <u>RIVER TEES - SOUTH SIDE</u>			<u>RIVER TEES - NORTH SIDE</u>		
North Sea Supply Base* (if swinging at Haverton)	3.0	m + flow	Simon Riverside Terminal (avoiding area upstream of berth)	0.6	m + flow
Dawson's Wharf* (if swinging at Haverton)	3.0		Billingham Reach Wharf**	2.2	
	2.1		Able UK Ltd Wharf**	0.2	"
	2.1		Bamlet's Wharf*	2.3	"
				2.2	"
Able Vulcan Quay*	2.7		TAG Loadout Quay*	-0.5	"
Able Central Quay*	2.9		H Hill Basin - West*	1.3	"
Able Dock Point Quay*	2.7		H Hill Basin - East*	1.1	"
Able Bex Quay	2.7		H Hill Basin-"dogleg"**	1.4	"
	2.3		East Quay (Haverton Hill)*	1.5	"
Cochranes Wharf*	0.2		Wilton Engineering Riverside*	2.1	"
Tarmac Cochranes Wharf*	3.0		Wilton Engineering Inset Berth*	1.5	"
Normanby Wharf	2.2		Clarence Lower Wharf	3.0	"
Cargo Fleet Wharf (TCP)	3.1		N Tees "A" Jetty	4.2	"
West Quay (Teesport Commerce Park)	3.1		(avoiding U/R app)	5.1	"
East Quay (Teesport Commerce Park)	2.9		N Tees No 2 Jetty	6.3	"
Heavy Lift Quay (TCP)	4.3		N Tees No 3 Jetty	8.4	"
A & P Tees Frontage	3.9		N Tees No 4 Jetty	9.0	"
South Bank No 5 Berth	3.1		Ineos No 1 Jetty	3.9	"
South Bank No 6 Dolphins	7.1		Ineos No 2 Jetty	3.9	"
			(downriver approach)	5.3	"
Tarmac Slag Jetty*	3.0		Vopak No 1 Jetty	6.2	"
			Vopak No 2 Jetty	6.2	"
			Vopak No 3 Jetty	6.2	"
<u>TEESPORT OIL JETTIES</u>			Ships approaching Vopak berths from South of line drawn due east from Ineos seaward dolphin	3.9	"
Arthur Taylor Jetty	5.3				
West Byng Jetty	7.6				
QE2 Jetty	5.5				
<u>TEES DOCK BERTHS</u>			Simon No 2 Jetty (avoiding U/R app)	2.1	"
No 1 Berth	7.4			5.9	"
(if backing straight out)	6.6		Simon No 1 Jetty	5.9	"
No 2 Berth	7.4		Phillips No 1 Jetty	10.9	"
No 3 Berth	7.4		Phillips No 2 Jetty	10.9	"
No 4 Berth	7.4		Phillips No 8 Jetty	8.0	"
No 2 RoRo/No 5	7.4		Phillips No 7 Jetty	7.7	"
No 1 RoRo	6.3		Phillips No 6 Jetty	8.0	"
No 6 Berth	7.4		Phillips No 3 Jetty	8.0	"
No 7 Berth	7.4		Phillips No 4 Jetty	10.9	"
Potash Terminal	7.4		Phillips No 5 Jetty	10.9	"
(if backing straight out)	7.1				
Tees Dock No 8	6.8		TERRC Basin Nos 1-9*	3.7	"
(if approaching behind No 22 Buoy)	4.5		TERRC No 10 & 11 Berths*	3.7	"
Tees Dock No 9	5.5				
Excelerate Jetty	9.0				
Riverside RoRo Terminal	8.0				
NWA R.S.T.C. Berth	-0.9				
Redcar Ore Terminal	10.9				
Seaton Turning Area	11.3				
Tees Dock Turning Circle	7.3				

<u>HARTLEPOOL</u>				
Beam:	Up to	24.5 to	Over	
	24.5m	30.5m	30.5m	
Heerema Berth	2.40	2.4	2.4	
Victoria Quay	6.20	8.0	3.3	
Deepwater Berth	3.85	3.6	3.3	
Irvine's Quay	3.85	3.6	3.3	
North Basin - North Side	1.10	N/A	N/A	
North Basin - South Side	1.20	N/A	N/A	

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HARBOUR MASTER'S OFFICE

CURRENT WORKING DRAFT FORMULAE

Date: 01.02.2012 17:19

<u>RIVER TEES - SOUTH SIDE</u>		<u>RIVER TEES - NORTH SIDE</u>			
North Sea Supply Base* (if swinging at Haverton)	3.0 m + flow 3.0 "	Simon Riverside Terminal (avoiding area upstream of berth)	0.6 2.2	m + flow "	
Dawson's Wharf* (if swinging at Haverton)	2.1 " 2.1 "	B'ham Reach** Able**	0.2 2.3	" "	
		Bamlett's Wharf* TAG Loadout Quay*	2.2 -0.5	" "	
Able Vulcan Quay*	2.7 "	H Hill Basin - West*	1.3	"	
Able Central Quay*	2.9 "	H Hill Basin - East*	1.1	"	
Able Dock Point Quay*	2.7 "	H Hill Basin-"dogleg"	1.4	"	
Able Bex Quay	2.3 "	East Quay (Haverton Hill)*	1.5	"	
Cochranes Wharf*	0.2 "	Wilton Engineering Riverside*	2.1	"	
Tarmac Cochranes Wharf*	3.0 "	Wilton Engineering Inset Berth*	1.5	"	
Normanby Wharf	2.2 "	Clarence Wharf	3.0	"	
Cargo Fleet Wharf (TCP)	3.1 "	N Tees "A" Jetty	4.2	"	
West Quay (Teesport Commerce Park)	3.1 "	(avoiding U/R app)	5.2	"	
East Quay (Teesport Commerce Park)	2.9 "	N Tees No 2 Jetty	6.3	"	
Heavy Lift Quay (TCP)	5.1 "	N Tees No 3 Jetty	8.4	"	
A & P Tees Frontage	3.9 "	N Tees No 4 Jetty	9.0	"	
South Bank No 5 Berth	3.1 "	Ineos No 1 Jetty	3.9	"	
South Bank No 6 Dolphins	7.1 "	Ineos No2 Jetty (downriver approach)	3.9 5.3	" "	
Tarmac Slag Jetty*	3.0 "	Vopak No 1 Jetty	6.2	"	
		Vopak No 2 Jetty	6.2	"	
		Vopak No 3 Jetty	6.2	"	
<u>TEESPORT OIL JETTIES</u>		Ships approaching Vopak berths from South of line drawn due east from Ineos seaward dolphin			
Arthur Taylor Jetty	5.3 "				
West Byng Jetty	7.6 "				
QE2 Jetty	5.5 "				
		Simon No 2 Jetty (avoiding U/R app)	2.1 5.9	" "	
		Simon No 1 Jetty	5.9	"	
<u>TEES DOCK BERTHS</u>		Phillips No 1 Jetty	10.9	"	
No 1 Berth (if backing straight out)	7.7 " 6.6 "	Phillips No 2 Jetty	10.9	"	
No 2 Berth	7.7 "	Phillips No 8 Jetty	8.0	"	
No 3 Berth	7.7 "	Phillips No 7 Jetty	7.7	"	
No 4 Berth	7.7 "	Phillips No 6 Jetty	8.0	"	
No 2 RoRo/No 5	7.5 "	Phillips No 3 Jetty	8.0	"	
No 1 RoRo	6.3 "	Phillips No 4 Jetty	10.9	"	
No 6 Berth	7.7 "	Phillips No 5 Jetty	10.9	"	
No 7 Berth	7.7 "				
Potash Terminal (if backing straight out)	7.7 " 7.1 "	TERRC Basin Nos 1-9*	3.7	"	
Tees Dock No 8 (If approaching behind No 22 Buoy)	6.8 " 4.5 "	TERRC No 10 & 11 Berths*	3.7	"	
Tees Dock No 9	5.5 "				
Excelerate Jetty	9.0 "				
Riverside RoRo Berth	8.0 "				
NWA R.S.T.C. berth	-0.9 "				
Redcar Ore Terminal	10.9 "				
Seaton Turning Area	11.3 "				
Tees Dock Turning Circle	7.3 "				
		<u>HARTLEPOOL</u>			
		Beam:	Up to	24.5 to	Over
			24.5m	30.5m	30.5m
		Heerema Berth	2.40	2.4	2.4
		Victoria Quay	3.85	3.6	3.3
		Deepwater Berth	3.85	3.6	3.3
		Irvine's Quay	3.85	3.6	3.3
		North Basin - North Side	1.10	N/A	N/A
		North Basin - South Side	1.20	N/A	N/A

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HARBOUR MASTER'S OFFICE
CURRENT MINIMUM BERTH DEPTHS

The depths shown are the minimum that may be expected on a berth. Masters and Agents should note that deeper water may be available given the vessel's position. Advice may be sought from Tees VTS

Date: 01.02.2012 17:19

<u>RIVER TEES - SOUTH SIDE</u>		<u>RIVER TEES - NORTH SIDE</u>	
North Sea Supply Base*	6.4 m + flow	Simon Riverside Terminal	4.7 m + flow
Dawson's Wharf*	2.6 "	B'ham Reach**	1.1 "
		Able**	3.5 "
Able Vulcan Quay*	3.2 "	Bamlett's Wharf*	3.4 "
Able Central Quay*	3.4 "	TAG Loadout Quay*	0.0 "
Able Dock Point Quay*	3.2 "	H Hill Basin - West*	1.8 "
Able Bex Quay	5.8 "	H Hill Basin - East*	1.6 "
		H Hill Basin-"dogleg"*	1.9 "
Cochranes Wharf*	0.7 "	East Quay (Haverton Hill)*	2.0 "
Tarmac Cochranes Wharf*	3.5 "		
Normanby Wharf	3.1 "	Wilton Engineering Riverside*	2.6 "
		Wilton Engineering Inset Berth*	2.0 "
Cargo Fleet Wharf (TCP)	5.1 "	Clarence Wharf	4.3 "
West Quay (Teesport Commerce Park)	5.1 "		
East Quay (Teesport Commerce Park)	3.8 "	N Tees "A" Jetty	6.7 "
Heavy Lift Quay (TCP)	8.0 "	N Tees No 2 Jetty	10.4 "
A & P Tees Frontage	4.8 "	N Tees No 3 Jetty	10.7 "
		N Tees No 4 Jetty	12.0 "
South Bank No 5 Berth	4.0 "		
South Bank No 6 Dolphins	10.5 "	Ineos No 1 Jetty	6.9 "
		Ineos No2 Jetty	7.0 "
Tarmac Slag Jetty*	4.0 "		
		Vopak No 1 Jetty	7.3 "
		Vopak No 2 Jetty	9.3 "
		Vopak No 3 Jetty	8.4 "
<u>TEESPORT OIL JETTIES</u>			
Arthur Taylor Jetty	6.2 "		
West Byng Jetty	8.5 "	Simon No 2 Jetty	6.8 "
QE2 Jetty	6.4 "	Simon No 1 Jetty	9.8 "
		Phillips No 1 Jetty	16.2 "
		Phillips No 2 Jetty	16.7 "
		Phillips No 8 Jetty	9.0 "
		Phillips No 7 Jetty	8.6 "
		Phillips No 6 Jetty	8.9 "
		Phillips No 3 Jetty	12.3 "
		Phillips No 4 Jetty	16.7 "
		Phillips No 5 Jetty	16.3 "
		TERRC Basin Nos 1-9*	5.0 "
<u>TEES DOCK BERTHS</u>			
No 1 Berth	10.7 "		
No 2 Berth	10.6 "		
No 3 Berth	10.9 "		
No 4 Berth	10.4 "		
No 2 RoRo/No 5	8.4 "		
No 1 RoRo	7.2 "		
No 6 Berth	10.7 "		
No 7 Berth	10.3 "		
Potash Terminal	9.6 "		
<u>HARTLEPOOL</u>			
Tees Dock No 8	7.7 "	Heerema Berth	3.1 "
Tees Dock No 9	6.4 "	Victoria Quay	7.0 "
Excelerate Jetty	12.8 "	Deepwater Berth	7.3 "
Riverside RoRo Berth	8.9 "	Irvine's Quay - Inner	7.6 "
NWA R.S.T.C. berth	0.0 "	Irvine's Quay - Outer	6.6 "
Redcar Ore Terminal	16.6 "	North Basin - North Side	2.0 "
		North Basin - South Side	2.1 "