



## **Forth Ports Limited**

### **Ruling Depths & Under Keel Clearances - Forth**

Vessels are scheduled into / out of ports on the Forth & Tay in accordance with the under keel clearance criteria specified in this section of the Marine Guidelines & Port Information.

Vessel operators who require increased under keel clearance margins, over and above those published in the Marine Guidelines & Port Information must ensure that these requirements are specified to FTNS at the time of booking the vessel's arrival / departure. This is to ensure that vessels are booked for the correct height of tide, and to ensure that delays / impacts to the shipping schedule are avoided.

Agents are advised to ascertain vessel specific under keel clear requirements prior to making arrival / departure bookings through FTNS.

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	Date Revised June 2026	Revised By MCM	Review Due Continuous

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	Date Revised June 2026	Revised By MCM	Review Due Continuous

## LIST OF AMENDMENTS

<b>July 2018</b>	Update to Container Berth depths following Plough dredge.
<b>July 2018</b>	Berth dimensions for all berths in Leith added, changes to some ruling depths in Leith & Rosyth
<b>November 2018</b>	Methil depths updates (all depths now in relation to chart datum)
<b>January 2019</b>	Rosyth ruling depths updated and removal of reference to floating fenders on T Berth
<b>February 2019</b>	Burntisland Key Information Grangemouth J3 & LPG berth depths updated.
<b>May 2019</b>	Leith approach channel remarks & ruling depths within the port Burntisland key information and ruling depths North Imperial cut depth Grangemouth J3 & LPG berths. Methil approach. Rosyth approach
<b>July 2019</b>	Change of UKC for Imperial dock Leith Grangemouth LPG berth Grangemouth Grange Dock- North Grange, North & South Tongue
<b>October 2019</b>	New layout to include the reference chart name and date of the survey Crane pad location added to Rosyth Key information Rosyth ruling depths updated
<b>January 2020</b>	Rosyth ruling depths updated
<b>March 2020</b>	Inverkeithing Harbour depths updated
<b>April 2020</b>	Grange Dock Rosyth North Wall Newhaven Harbour and approaches
<b>August 2020</b>	Grangemouth ruling depth & Rosyth information
<b>December 2020</b>	Rosyth Ruling Depths Removal of berthing details from Fife ports which have been put in MPGI document Kirkcaldy UKC North Imperial Cut – update regarding vessels with LOA of 111m - 119m
<b>May 2021</b>	Grangemouth Ruling Depths Leith Ruling Depths Rosyth Ruling Depths Methil Energy Park Ruling Depths, Methil Energy Park Key Information updated
<b>November 2021</b>	Leith Approach and Depths Grangemouth Depths Rosyth Depths, Babcock Approach and Depths Methil Dock Entry and Depths Kirkcaldy Approach and Depths
<b>December 2021</b>	Babcock Approach and Depths Methil Approach and Depths
<b>March 2022</b>	Methil Approaches UKC updated Grangemouth Diversionary Channel included Rosyth Ruling Depths, Babcock Ruling Depths
<b>April 2022</b>	Grangemouth Approach RD updated
<b>May 2022</b>	Full review of Grangemouth, Rosyth, Inverkeithing, Burntisland, Kirkcaldy, and Hound Point
<b>July 2022</b>	Rosyth ruling depths, Inverkeithing East Ness note
<b>July 2022</b>	Grangemouth Approach ruling depths, Leith Ruling Depths
<b>October 2022</b>	Leith Locks, Albert Cut and Albert Dock ruling depths updated. Rosyth approaches, and Babcock ruling depths updated. Methil Energy Park ruling depths updated.
<b>October 2022</b>	Leith – Albert Cut ruling depth updated
<b>October 2022</b>	Grangemouth – Note added to Grangemouth Approach
<b>October 2022</b>	New row added for Grangemouth Lock ruling depth Note added to Grangemouth Cill
<b>November 2022</b>	Update to Grangemouth Lock Ruling Depth
<b>November 2022</b>	Grangemouth – Update to Eastern Channel Berths, Grange Dock, Tongue North & South ruling depths Rosyth – North Wall & Swing Area Ruling Depths updated Kirkcaldy – Approaches Ruling Depth updated Braefoot – West Out Ruling Depth updated.
<b>December 2022</b>	Update to Grangemouth Lock Ruling Depth Update to Albert & Edinburgh Dock Remarks Rosyth Ruling Depths Babcock – Tidal Ruling Depths Kirkcaldy - Approaches Ruling Depth Inverkeithing – East Ness Ruling Depth

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	Date Revised June 2026	Revised By MCM	Review Due Continuous

<b>January 2023</b>	Grangemouth – Update to Eastern Channel Berths Rosyth approaches, and Babcock ruling depths updated.
<b>March 2023</b>	Grangemouth – Update to Bellmouth, Eastern Channel Jetties and Grange Dock Berths Ruling Depth Leith – Update to Albert Cut Ruling Depth Rosyth – Updates to the Ruling Depths for Rosyth Berths, Approaches & Swing Area Inverkeithing Ruling Depths
<b>April 2023</b>	Methil – Update to Ruling Depths
<b>May 2023</b>	Kirkcaldy – Update to Ruling Depths Rosyth – Update to Ruling Depths Grangemouth – Update to Eastern Channel, Grange Dock ruling depths. Leith- Update to Ruling Depths
<b>June 2023</b>	Burntisland – Update to Ruling Depths Inverkeithing UKC amended Leith approach channel RD updated Grangemouth Eastern Channel RDs updated Methil Energy Park RDs updated Rosyth RDs updated
<b>July 2023</b>	Grangemouth Eastern Channel RD Updated
<b>Sep 2023</b>	Methil – Update to Ruling Depths Babcock – Update to Ruling Depths Grangemouth – Eastern Channel Updated, Container Terminal updated
<b>Oct 2023</b>	Rosyth – Update to Ruling Depths Kirkcaldy – Update to Ruling Depths – 02/10/23 Kirkcaldy – Update to Ruling Depths – 23/10/23 – Post Storm Survey Methil- Update to Ruling Depths-23/10/23- Post Storm Survey
<b>Jan 2024</b>	Methil Energy Park- Update to Ruling Depths- 20/11/23- Post Storm Survey Rosyth – Update to Ruling Depths Babcock – Update to Ruling Depths Grangemouth – Grange Dock/Eastern Channel Updated
<b>Feb 2024</b>	Rosyth – Update to Ruling Depths Babcock – Update to Ruling Depths Newhaven Harbour and Approaches– update to Ruling Depths
<b>March 2024</b>	Kirkcaldy – Update to Ruling Depths Grangemouth – Easter Channel, Grange Dock Ruling Depths updated.
<b>April 2024</b>	Rosyth – Update to Ruling Depths
<b>July 2024</b>	Methil- Update to expected water loss in dock Burntisland- Update to Ruling Depths Rosyth- Update to Ruling Depths
<b>August 2024</b>	Grangemouth – Eastern Channel, Grange Dock Ruling Depths updated Rosyth- Update to Ruling Depths Babcock – Update to Ruling Depths
<b>August 2024</b>	Hound Point – update to ruling depth
<b>September 2024</b>	Kirkcaldy – Update to Ruling Depths Leith – update to ruling depths Grangemouth – Eastern Channel, Grange Dock Ruling depths updated Methil- Update to Ruling Depths Methil Energy Park- Update to Ruling Depths Rosyth- Update to Ruling Depths
<b>October 2024</b>	Leith – Update to Outer Berth quayside length
<b>October 2024</b>	Grangemouth – Update to container vessel ruling depths Methil- Update to expected water loss
<b>October 2024</b>	Grangemouth – Update to locks and container terminal ruling depths Hound Point – Update to ruling depth Leith Approach - Update to ruling depth Leith Locks – Update to ruling depth Rosyth – Update to ruling depth
<b>December 2024</b>	Rosyth – Update to ruling depth Leith – update to ruling depths
<b>January 2025</b>	Kirkcaldy- Max vessel size update Methil- Water loss update Methil- Update to ruling depths
<b>February 2025</b>	Rosyth- Update to ruling depths Kirkcaldy- Update to ruling depths Grangemouth Locks – Update to ruling depth
<b>March 2025</b>	Rosyth- Update to ruling depths (North Wall only) Kirkcaldy- Update to ruling depths

<b>FORTH PORTS LIMITED</b>	<b>Document ID</b> FPS PMSC OP 23 81	<b>Authorised By</b> SHM	<b>Original Date</b> January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	<b>Date Revised</b> June 2026	<b>Revised By</b> MCM	<b>Review Due</b> Continuous

	Inverkeithing- Update to ruling depths Grangemouth Locks – Update to ruling depth
<b>April 2025</b>	Rosyth- Update to ruling depths
<b>June 2025</b>	Rosyth- Update to ruling depths
<b>July 2025</b>	Rosyth- Update to ruling depths
<b>July 2025</b>	Grangemouth – Update to ruling depths in Grange Dock and Eastern Channel
<b>September 2025</b>	Grangemouth – Update to ruling depths in Grange Dock and Eastern Channel Leith – Update to ruling depth for Charles Hammond Berth, Imperial Dock, Outer Harbour, Albert Dock
<b>October 2025</b>	Rosyth- Update to ruling depths Grangemouth – update to Bellmouth Ruling Depth
<b>November 2025</b>	Kirkcaldy- Update to ruling depth Methil- Update to ruling depth Leith – update to Western Harbour, Imperial Dock and Albert Dock
<b>December 2025</b>	Rosyth - Update to ruling depth Burntisland - Update to ruling depth Kirkcaldy - Update to ruling depth Methil - Update to ruling depth
<b>January 2026</b>	Methil - Update to ruling depth Leith – Update to Leith Approach and Charles Hammond Berth, Western Harbour, Imperial Dock, Locks and Albert Dock Grangemouth – Eastern Channel updated
<b>February 2026</b>	Rosyth- Update to Rosyth Ruling Depths Central Farmer declared suitable as NAABSA Kirkcaldy- Post storm update Methil- Post storm update Inverkeithing- Update to ruling depths.
<b>March 2026</b>	Leith CHB and approach channel – update to ruling depths Kirkcaldy- update to ruling depth Rosyth – update to ruling depths Kirkcaldy – update to ruling depth Methil- Update to ruling depth Grangemouth – update to Eastern Channel ruling depths
<b>June 2026</b>	Grangemouth – updates to Grange Dock and approach channel ruling depths Leith – update to approach channel ruling depth

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	Date Revised June 2026	Revised By MCM	Review Due Continuous

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	Date Revised June 2026	Revised By MCM	Review Due Continuous

## GRANGEMOUTH - RULING DEPTHS AND UNDER KEEL CLEARANCE

Data is based on a broad interpretation of current surveys and is only intended as a general guide.

Original surveys should always be consulted especially for detailed operational planning.

The following Ruling Depths apply to the berths, ports and approach channels. The depths indicated are the least depth in the channel or on the berth. Deeper water may be available in certain parts of the channel and conversely shallower water may exist just outside of the channel.

The depths given below are an indication of the least depth, which maybe encountered in the channel, however a close examination of the latest soundings should be made when preparing a passage plan.

**For areas not included in the tables below an under keel clearance of 10% of the vessels maximum draft with a minimum under keel clearance of 0.5m should be used.**

1. Average Grangemouth Dock Density: **1020**
2. Maximum Ship size normally accepted at Grangemouth: **187m \* 27.4m.**
3. All berths in Grange and Carron Dock – average height of quay above waterline **1.0m**
4. Outreach of #4 & #5 transporter cranes **34.5m**, height from quay to gantry **30m.**

### Grangemouth Lock Dimensions

	Overall length	Chamber Length	Max LOA	Width between fenders
Outer	108m	90m	82m	29.1m
Inner	129.6m	112m	104m	
Full	237.6m		187m	

### Grangemouth Berth Dimensions

Berth	Length	Remarks
North Grange 1 - 2	170m	
North Grange 3 - 7	440m	Distance between #7 and #8 is 84m
Tongue N Grange 8 - 11	365m	
Tongue S Grange 12 - 15	365m	
South Grange	630m	
East Wall	215m	
East Cut Width	36m	
West Cut Width	18.3m	
Carron Dry Dock	105m x 16m	Cill 4.8m

Location	UKC	RD	Remarks	Reference Chart (Name and date of last survey)
<i>Grangemouth Approach Channel</i>	0.6m	6.0m		<b>Grangemouth Bellmouth – Surveyed Monthly</b>
<i>Grangemouth Diversionary Channel</i>	0.6m	4.7m		<b>Grangemouth Roads – 10.12.24</b>
<i>Grangemouth Cill</i>	0.6m	6.15 m	The lesser value of the Cill/Lock to be used for vessel scheduling	
<i>Grangemouth Lock</i>	0.6m	5.9 m		<b>Grangemouth Lock – 19.12.25</b>
<b>Eastern Channel</b>			Depths may be less off the berths – latest sounding chart to be consulted for vessel approach and swinging.	
Common User Oil Jetty (1 North)	0.3m	10.0m		<b>Eastern Channel – 04.03.26</b>
Jetty E 1	0.3m	11.0m	Max vessel length 184.7m	
Jetty E 2	0.3m	10.7m	Max vessel length 150m	

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	Date Revised June 2026	Revised By MCM	Review Due Continuous

Jetty J 2	0.3m	10.9m	Max vessel length 184.7m	
Jetty J 3	0.3m	10.0m	Max vessel length 184.7m	
Jetty J 4	0.3m	6.8m	Max vessel length 100.0m	
LPG Berth	0.3m	8.5m		
East Cut Width = 36 metres	0.5m	8.2m	NB maximum draft for Grange Dock determined by RD at East Cut	
<b>Grange Dock</b>				
<b>North</b>				<b>Grange Dock – 01.04.26</b>
Grange 1-2 (Bollard 18-22)	0.3m	7.2m	(Bollards 18 & 20 out of use)	
Knuckle (Bollard 15- 18)	0.3m	6.9m		
Grange 3-4 (11-15 Bollard)	0.3m	7.5m		
Grange 4 -6 (6-11 Bollard)	0.3m	7.4m	(Bollards 8 out of use)	
Grange 7 (2-6 Bollard)	0.3m	7.0m		
<b>Tongue North</b>				
Grange 8 (3-6 Bollard)	0.3m	8.1m		
Grange 8-11 (6-15 Bollard)	0.3m	8.2m		
<b>Tongue South</b>				
Grange 15 (1-8 Bollard)	0.3m	7.0m	(Bollard 5, 7 & 11 Missing/Out of Use). Vessels required to use fenders	
Grange 14 -12 (8-13 Bollard)	0.3m	7.7m		
<b>South</b>				
1 – 3 Bollard	0.3m	6.7m		
3 – 5 Bollard	0.3m	7.2m	Max draft – 6.9m	
5 – 6.5 Bollard	0.3m	7.6m	Max draft – 7.3m	
6.5 – 21 Bollard	0.3m	8.0m	Max Draft – 7.7m (dictated by max draft able to pass through the East Cut)	
<b>East Quay Wall</b>				
1-8 Bollard	0.3m	8.0m	Max Draft – 7.7m	
<i>Western Channel</i> <b>Maximum ship normally 90m * 14m</b>	0.5m	6.4m	Deepest water at centre of channel, shallows to north and south.	
<i>West Cut</i> Width = 18.3m  <b>Maximum ship normally 90m * 14m</b>	0.5m	7.4m	For vessels which exceed max. ship dimensions and for dead ship movements detailed planning is required including consultation between Duty Assistant Harbourmaster and Duty Pilot	
<b>Western Channel – 01.04.26</b>				
<b>Carron Dock</b>				
<b>North</b>				<b>Carron Dock – 01.04.26</b>
Rankins - no commercial traffic		N/A	Shallows at west end of berth	
Amsterdam - no commercial traffic		N/A		
Curries - no commercial traffic	0.3m	N/A		
Stevens	0.3m	6.8m	Shallower to south of berth.	
Cross Berth	0.3m	6.3m	(Between West Cut and Drydock)	
<b>South</b>				
Conveyor & Old Hoist	0.3m	6.6m		
Watsons Lower	0.3m	6.6m		
Watsons Middle	0.3m	6.0m		
Watsons Upper	0.3m	5.0m	Not in use	
New Quay Wall Lower - Tug Berth	0.3m	5.8m		
New Quay Wall Upper	0.3m	4.6m	Shallows to west of berth uncharted.	

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	Date Revised June 2026	Revised By MCM	Review Due Continuous

## LEITH - RULING DEPTHS AND UNDER KEEL CLEARANCE

The following Ruling Depths apply to the berths, ports and approach channels. The depths indicated are the least depth which maybe encountered in the channel or on the berth. Deeper water may be available in certain parts of the channel and conversely shallower water may exist just outside of the channel. A close examination of the latest soundings should be made when preparing a passage plan.

**For areas not included in the tables below an under keel clearance of 10% of the vessels maximum draft with a minimum under keel clearance of 0.5m should be used.**

1. Data based on a broad interpretation of current surveys and is only intended as a general guide
2. Original surveys should always be consulted; especially for detailed operational planning
3. All Depths quoted are in metres

### Leith Key Information

- Average Dock Density: **1010** (Brackish, dependant on rain fall vs impounding)
- Maximum size ship normally accepted within impounded dock: 210m x 30m. Vessels out with these dimensions will be dealt with on a case-by-case basis.
- Lockside is approximately 2m above MHWS.
- Quaysides are approximately 2.2m above dock level and 1.5m at OT the Cruise Liner Berth.

### Leith Lock Dimensions

	Overall length	Max LOA	Width between fenders
Short Lock	92m	85m	31.6m
Intermediate	159m	150m	31.6m
Full	259m	210m	31.6m

### Leith Dock General Dimensions

Berth	Length	Remarks
Charles Hammond Berth	300m	122m quayside
Imperial Cut		Entrance width 31.6m
Albert Cut		Entrance width 18.2m
Edinburgh Cut		Entrance width 18.2m
Cruise Liner Berth	375m	
Ocean Terminal	175m	Length of usable quayside ahead of Britannia
West Wall	220m	
Ranks	150m	
North Imperial	570m	
1-4 South Imperial	315m	
5-6 South Imperial	230m	
6 Harbour	150m	
8 – 12 Harbour	305m	
North Side Albert	300m	
4 Albert Cross Berth	85m	
North Edinburgh	440m	
10-13 Edinburgh	290m	
3 Edinburgh	130m	
2 Edinburgh	130m	
1 Edinburgh	85m	
Imperial Dry Dock	167.6 x 21.3 x 7.3m	
Edinburgh Dry Dock	91.4 x 12.2 x 5.6m	

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
Ruling Depths & Under Keel Clearances	Date Revised June 2026	Revised By MCM	Review Due Continuous

**Caution:** this table is a general summary only. Original sounding surveys are to be consulted for navigation and passage planning.

Location	UKC	RD	Remarks	Reference Chart (Name and date of last survey)	
<b>Port of Leith</b>			<b>Sill height 6.71m below ACD</b>		
Leith Approach Channel	1.0m Flood 1.5m Ebb	8.9m	Deeper water in "White" sector of sector light. Consult latest survey chart.	<b>Leith Approach – 24.04.26</b>	
Leith Locks	0.5m	6.4m		<b>Leith Approach – 24.04.26</b>	
Charles Hammond Berth	0.5m*	12.4m	Dredge Box = 300m x 70m *UKC for arrival / departure = 1.0m Flood 1.5m Ebb	<b>Leith Approach – 24.04.26</b>	
All Berths except North Imperial	0.5m				
North Imperial	0.4m		With prior agreement from the vessel and approval of Harbour Master.		
<b>Outer Harbour</b>					
Common User Oil Jetty		9.1m	Useable Quay 150m from East End. Max LOA – 120m	<b>Western Harbour – 01.12.25</b>  <b>Harbour Berths – 27.11.25</b> <i>(also shows CUOJ)</i>	
Western Harbour		10.2m	Area South East of West Wall to corner of Ranks and CLB		
West Wall		8.4m			
Cruise Liner Berth (Ocean Quay)		10.2m	Reduces 30m from east end		
Ocean Terminal		6.7m	Due to UKC restrictions with Harbour Towage, ensure towage provider is aware of berth when booking towage.		
Ranks Berth		7.7m	<b>No vehicles allowed on wharf.</b> Max Beam = 25m Consult survey chart before berthing on Ranks Berth. Shallow water on approach.		
Tug Basin		6.1m			
<b>Imperial Dock</b>					
Imperial Passage		10.0m	Consult survey chart before berthing in the Imperial Passage.	<b>Harbour Berths – 27.11.25</b>	
North Imperial Cut (Yellow Cranes/ Old Lock)		7.6m	Gantry Clearance 20m (boom down) Maximum length of vessel normally permitted = 110m. Vessels with LOA of 111m - 119m with Harbour Master's approval. Width = 20.3m, Beam = 19m. NOTE: Gate protruding no exit into Western Harbour		
Imperial Dock North		9.3m	Shallows 50m from dry dock Consult latest sounding chart		
7 North Imperial		9.3m	Consult latest sounding chart		
South Imperial (1-2)		9.3m	Shallows at western end, consult latest sounding chart.		
South Imperial (3-4)		9.2m	Shallows at extreme eastern end of berth. Consult sounding chart.		
South Imperial (5-6)		8.8m			
Cross Berth		8.6m	Shallows at extreme southern end of berth. Consult sounding chart.		
<b>Harbour Berths</b>			<b>Fenders required for deep draft vessels.</b>		<b>Harbour Berths – 27.11.25</b>
6 Harbour		7.7m	Shallows at Eastern End of Berth.		
8 Harbour		9.4m			
10 Harbour		9.2m	Consult survey chart		

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	Date Revised June 2026	Revised By MCM	Review Due Continuous

12 Harbour		9.7m		
<b>Albert Dock</b>				
Head Office Pontoon		2.4m	On approach	<b>Albert Dock – 01.12.25</b>
Albert Cut		7.7m	Shallows 7.4m on southern side of east end of Albert Cut.	
Albert Dock North		7.2m*	*Max sailing / berthing draft as per Albert Cut ruling depth Shallows to 6.4m at extreme west end	
Albert Dock East Wall / Cross Berth		6.9m	*Max sailing / berthing draft as per Albert Cut ruling depth  Shallower depths in the south side of the dock. Consult latest sounding chart.	
<b>Edinburgh Dock</b>				
Edinburgh Cut		7.5m		<b>Edinburgh Dock – 29.05.25</b>
1 Edinburgh (90m)		7.1m		
2 Edinburgh (145m)		7.1m	Max LOA = 100m Shallows at east end	
3 Edinburgh (80m)		6.9m		
Edinburgh Dock South Arm – (280m)			Max LOA = 100m	
10 to 11 Edinburgh 12 to 13 Edinburgh		7.5m 7.3m	Sunken Vessel at East End of Berth, consult survey chart.	
Edinburgh Dock North Arm (440m)		7.2m	Shallows to 6.5m , 50m from East End Consult latest sounding chart	

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
Ruling Depths & Under Keel Clearances	Date Revised June 2026	Revised By MCM	Review Due Continuous

## ROSYTH & FIFE PORTS – RULING DEPTHS AND UNDER KEEL CLEARANCE

The following Ruling Depths apply to the berths, ports and approach channels. The depths indicated are the least depth in the channel or on the berth. Deeper water may be available in certain parts of the channel and conversely shallower water may exist just outside of the channel. A close examination of the latest soundings should be made when preparing a passage plan.

**For areas not included in the tables below an under keel clearance of 10% of the vessels maximum draft with a minimum under keel clearance of 0.5m should be used.**

1. Data based on a broad interpretation of current surveys and is only intended as a general guide
2. Original surveys should always be consulted; especially for detailed operational planning
3. All Depths quoted are in metres.

### Rosyth

#### Rosyth Key Information

- Height of quayside above CD is 7.522m
- Maximum length normally accepted at the North Wall is 250m. Vessels out with these dimensions, and for all other berths, will be dealt with on a case-by-case basis.
- Rosyth traffic is subject to aircraft restrictions due to the Forth Bridges. Ref: Marine Procedure, Guidelines and Information section 1.1
- North Wall strengthened quay 200-400m marks – operating area for the Liebherr crane.

Berth	Length	Remarks
North Wall	540m	Fixed fendering at 15m intervals from the west end of the berth with 1.1m standoff. White rectangle painted at 530m mark. Berth Box = 35m wide.
T Berth	220m	Ferry berth with Links-span 143m of quayside ahead of the linkspan Fixed Fenders – Protrude 3.7m to seaward and 2m above quayside.
S	160m	
R	170m	
Q	150m	
P	150m	Small pontoon in NE corner
O	170m	Small pontoon in NW corner

**Caution:** this table is a general summary only. Original sounding surveys are to be consulted for navigation and passage planning.

Location	UKC	RD	Remarks	Reference Chart (Name and date of last survey)
<b>Rosyth Approach Channel</b>	0.5m	7.9m*	*Shallows in vicinity of No 3, No 4 No.5 and No. 6 buoy	<b>Rosyth Approaches – 20.01.26</b> <b>Port of Rosyth – 26.02.26</b>
<b>Rosyth Swing Area</b>	0.5m	7.9m*	*Shallows south of the Dolphins and towards the far east of the Swing Area, consult chart.	<b>Port of Rosyth – 26.02.26</b>
<b>Port of Rosyth</b>				
North Wall 30m-40m 40m-60m 60m-500m	0.5m	8.4m 8.7m 8.8m	Shallows towards dolphins Depth varies east of 500m.	<b>Port of Rosyth – 26.02.26</b>
T Berth 20m - S. Dolphin		7.7m*	*Shallows towards south of dolphin and towards the RoRo pontoon.	
S Berth		1.9m*	*Variable depths, shallows towards north and south of the berth	
Approaches to QR berths		3.0m*	*Shallows in vicinity of No.5a	

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	Date Revised June 2026	Revised By MCM	Review Due Continuous

			Buoy, and to west of approaches.	
Approaches to P, O berth		2.5m*	*Shallows in vicinity of No.5a Buoy, and to west of approaches.	
O Berth		4.5m*	*Shallows to the north and south of the berth – consult chart for planning	
P Berth		2.5m*	*Shallows to the north and south of the berth – consult chart for planning	
Q Berth		3.9m*	*Shallows to the south of the berth – consult chart for planning	
R Berth		4.4m*	Shallows towards south of berth - consult latest sounding chart	

## **Babcock**

<b>Babcock – consult H.M for latest information</b>	0.5m*		*UKC for warships = 1.0m.	
Non-Tidal Basin		9.7m*	*Basin maintained CD + 4.2m. Consult Babcock HM for latest information.	<b>Main Basin – 01.07.25</b>
Middle Jetty N		4.7m*	*Depths vary, consult chart. Shallows to west.	<b>Port of Rosyth – 26.02.26</b>
Middle Jetty S		6.8m*	*Depths vary, consult chart. Shallows to west. Fenders required to reach deeper water.	
South Arm		11.2m*	*Fenders required to find deepest water in dredged box – shallows towards the west, consult chart.	
Approaches to Direct Entrance		6.5m*	Shallows to the north and south of the approaches, consult chart.	
Approaches to the lock		6.5m*	*Consult the survey chart	
Sills (Lock and Direct Entrance)		6.57m		

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	Date Revised June 2026	Revised By MCM	Review Due Continuous

# Burntisland

## Burntisland Key Information

- Entrance to harbour between breakwaters is 76m wide.
- Maximum size ship normally accepted at the East Dock 100m x 16m. Vessels out with these dimensions will be dealt with on a case-by-case basis.
- Maximum size ship normally accepted at the West dock 100m x 27m.
- An estimated water loss of up to 1m per tide can be experienced in the East dock while the West dock can lose up to 0.5m per tide.
- West dock based on an impounded dock height of 4.48m

Berth	Width	Remarks
Entrance to East Dock	18.2m	Sill height 3.09m below CD – mitre gate.
Entrance to West Dock	29.5m	Sill height 0.81m below CD – folding gate

**Caution:** this table is a general summary only. Original sounding surveys are to be consulted for navigation and passage planning.

Location	UKC	RD	Remarks	Reference Chart (Name and date of last survey)
<b>Burntisland</b>				
Outer Approaches	0.5m	3.5m	Dock approaches less.	<b>Burntisland Approach</b> – 09.12.25
East Dock Approach		2.2m	Consideration to be given to the shallow water west of the east dock approach and towards the island jetty during inclement weather or during approach manoeuvres	<b>Burntisland Docks</b> – 09.12.25
East Dock Swing Area		1.9m	Shallows towards the South West corner of the dock	
No1 Berth – West		2.8m	Shallows towards East end of the berth.	
No2 Berth - East		2.4m	Shallows towards East end of the dock	
West Dock Approach		-0.9m		
West Dock west wall			Shoals 0.6m from quay face fenders required to remain clear of this	
North/East/South wall			Consult sounding chart – area leased to Briggs marine	

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	Date Revised June 2026	Revised By MCM	Review Due Continuous

# Methil

## Methil Key Information

- Main Entrance to No.2 Dock is 15.2m wide
- Maximum size vessel normally accepted is 100m x 14.0m beam. Vessels out with these dimensions will be dealt with on a case-by-case basis.
- Dock gates normally open three hours before high water.
- An estimated water loss of up to 1.0m per tide can be experienced.
- Depth over the outer sill (No.2 dock) is 2.6m below chart datum (No.1 dock is 1.22m above the sill at No.2)
- No entry is permitted to No.1 Dock.
- Central Farmers is a NAABSA Berth (Not Always Afloat but Safely Aground).

Berth	Length	Remarks
<b>Number 2 Dock</b>		15.2m wide, sill 2.6m below ACD
Cross berth	85m	
No.1 (Hard Pad)	130m	
No.2 (Central Farmers) *	82m	
NE Corner	213m	Travelling crane
No.6		
Distance across dock between Hard Pad and East side is 121m		
Distance across dock between Central Farmers and East side is 109m		
<b>Number 1 Dock</b>		No entry to No.1 Dock
East side	173m	
West side	136 + 58m	
South (West)	43m	
South (East)	43m	
North side	82m	
Distance across dock West to East side is 103m		

**Caution:** this table is a general summary only. Original sounding surveys are to be consulted for navigation and passage planning.

Location	UKC	RD	Remarks	Reference Chart (Name and date of last survey)
<b>Methil Approaches</b>	0.5m	<b>0.7m</b>	Shallows along outer West pier end	<b>Methil Harbour – 16/03/26</b>
Methil Berths (within No.2 dock)	0.5m			<b>Methil Harbour -09.02.26</b>
No2 dock out with berth area		1.3m		
Cross/Stone Berth		1.4m		
#1 (Hard Pad)		1.4m		
#2 (Central Farmers)		1.9m		
North East Corner		2.0m*	*Consult Marine Team for berthing position	
#6		1.4m		
No1 Dock		1.0m	Shallows towards South West corner. Consult survey chart	

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	Date Revised June 2026	Revised By MCM	Review Due Continuous

## Methil Energy Park

### Methil Energy Park Key Information

- Berths owned by Scottish Enterprise.
- Vessel suitability will be dealt with on a case-by-case basis.

Berth	Length	Remarks
Quay 1 East	184m	Leased by Harland & Wolff
Quay 2 West	177m	

**For further information, please refer to latest edition of Energy Park Fife - Marine Safety Management System.**

**Caution:** This table is a general summary only. Original sounding surveys are to be consulted for navigation and passage planning.

Location	UK C	RD	Remarks	Reference Chart (Name and date of last survey)
<b>Methil (Energy Park Fife)</b>				
Quay 1 (East berth) 0-100m 100-140m 140-180m	0.5m	2.0m 3.0m 4.0m	Fendering may be required. Distance given from northern end of Quay 1. Depth varies along berth, consult survey chart before berthing. Deepest water on the approaches is to the South East of the berth.	<b>Methil Energy Park – 04.11.25</b>
Quay 2 (West berth) 40 - 150m  0 – 30m, and 150 – 178m	0.5m	6.9m  *See remarks	With stand-off fendering of 7.6m. Distance given from northern end of Quay 2. Deepest water on the approaches is to the South East of the berth. * Depths shallows towards south and north limits of the berth, see sounding chart.	

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
Ruling Depths & Under Keel Clearances	Date Revised June 2026	Revised By MCM	Review Due Continuous

## Kirkcaldy

### Kirkcaldy Key Information

- Main entrance is 15.2m wide.
- Sill height 0.65m below Chart datum.
- Maximum size vessel normally accepted is 90m x 14m.
- The berth is a NAABSA Berth (Not Always Afloat but Safely Aground).
- Lock gates are no longer in use.

**Caution:** The following table is a general summary only. Original sounding surveys are to be consulted for navigation and passage planning.

Location	UKC	RD	Remarks	Reference Chart (Name and date of last survey)
<b>Kirkcaldy</b>				<b>Kirkcaldy Harbour 11/03/26</b>
Approaches	0.5m	0.0m	Area subject to siltation – consult the latest sounding chart	
Outer Harbour	0.4m	0.3m	Shallows to west – consult the latest sounding chart	
Inner Harbour	0.4m	0.2m	Shallows at SW & NW corner – Consult the latest sounding chart	
NE Berth	0.4m*	0.4m*		

\* Vessels usually take bottom and stated to be NAABSA Berth (Not Always Afloat but Safely Aground). by the berth operators – stated UKC are for berthing operations

## Inverkeithing

### Inverkeithing Key Information

- The Deep Water berth is operated by RM Recycling.
- The East Ness Berth is operated by Forth Bridge Stevedoring Ltd.
- All berths designated NAABSA by berth operators.

Berth	Length	Remarks
Deepwater Berth	130m	Max vessel length 110m
No 1 Berth	140m	
No 2 + No 3 Berths		Berths not used for commercial traffic
Stone Berth (Quarry)	30m	Max LOA 110m
Old Sea Plane Berth		Berth not used for commercial traffic
East Ness Berth	20m	Max LOA 90m

**Caution:** this table is a general summary only. Original sounding surveys are to be consulted for navigation and passage planning.

Location	UKC	RD	Remarks	Reference Chart (Name and date of last survey)
Outer approaches to Inverkeithing	0.5m	0.4m	Shallows to the north	<b>Inverkeithing Approach – 13.02.26</b>
Approaches to Deepwater Berth and Swing Area	0.5m	-0.3m	RD of -0.2m for departure from Deep Water Berth when SST.	
<b>Inverkeithing</b>				
Deep Water Berth	0.4m*	-0.2m	RD of Swing Area should be taken into consideration	<b>Inverkeithing Harbour – 13.02.26</b>
No 1	0.4m*	-1.8m	Shallows 90m for east end of quayside.	
Stone Berth (Quarry)	0.4m*	-1.2m		
East Ness Berth	*0.4m		RD of Swing Area should be taken into consideration when arriving PST or departing SST.	
Up to 75m LOA		-0.1m		
Up to 85m LOA		-0.4m		
Up to 90m LOA		-0.5m		

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	Date Revised June 2026	Revised By MCM	Review Due Continuous

\* Vessels usually take bottom and stated to be “Not Always Afloat But Safe Aground” (NAABSA) by the berth operators – stated UKC are for berthing operations.

## Hound Point

Location	UKC	RD	Remarks	Reference Chart (Name and date of last survey)
HP1 and HP2	2.1m	18.6m	See Marine Guidelines & Port Information for calculating maximum draft.	<b>Hound Point Oil Terminal – 16.09.2024</b>

## Braefoot

	UKC	RD	Remarks	Reference Chart (Name and date of last survey)
East Out	2.0m	10.0m	See Braefoot Tide tables.	<b>Mortimers Deep – 05.11.25</b>
West Out	2.5m	10.4m	See Braefoot Tide tables.	

## Crombie

Location	UKC	RD	Remarks	Reference Chart (Name and date of last survey)
South Jetty	1.0m	12.0m	RDs reported by DM Crombie	<b>Crombie to Blackness – 10.08.22</b>
North Jetty		7.5m		

## Newhaven

Location	UKC	RD	Remarks	Reference Chart (Name and date of last survey)
Newhaven Anchorage	0.5m	8.0m	Shallows to SE and NW corners.	<b>Middle Bank to Leith - 24.11.21</b>
Newhaven Approaches	0.3m	1.0m	Area subject to siltation, consult latest sounding chart	<b>Newhaven – 07.03.24</b>
Newhaven Harbour	0.3m	1.0m	Area subject to siltation, consult latest sounding chart	<b>Newhaven – 07.03.24</b>

## South Queensferry

Location	UKC	RD	Remarks	Reference Chart (Name and date of last survey)
South Queensferry Cruise Ship Anchorage	0.5m	24.0m		<b>Rosyth to Hound Point – 29.08.23</b>
South Queensferry Cruise Ship Anchorage Approaches	0.5m	12.6m		<b>Rosyth to Hound Point – 29.08.23</b>

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
Ruling Depths & Under Keel Clearances	Date Revised June 2026	Revised By MCM	Review Due Continuous

<b>FORTH PORTS LIMITED</b>	Document ID FPS PMSC OP 23 81	Authorised By SHM	Original Date January 2014
<b>Ruling Depths &amp; Under Keel Clearances</b>	Date Revised June 2026	Revised By MCM	Review Due Continuous