



# Imray Tides Planner

## Quick Guide

*Android Version*



*Imray Tides Planner is the app for Tide information worldwide.*

Tides Planner works without online connection, using a database of locations and harmonic constants from world hydrographic offices.

- Select locations
- View tide predictions
- View currents (where available)
- Use notepad and email



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## Overview

Tides Planner provides worldwide tide information for your smartphone and tablet. It works without an online connection, using a database of locations and harmonic constants from world hydrographic offices.

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## Tides Landing Page

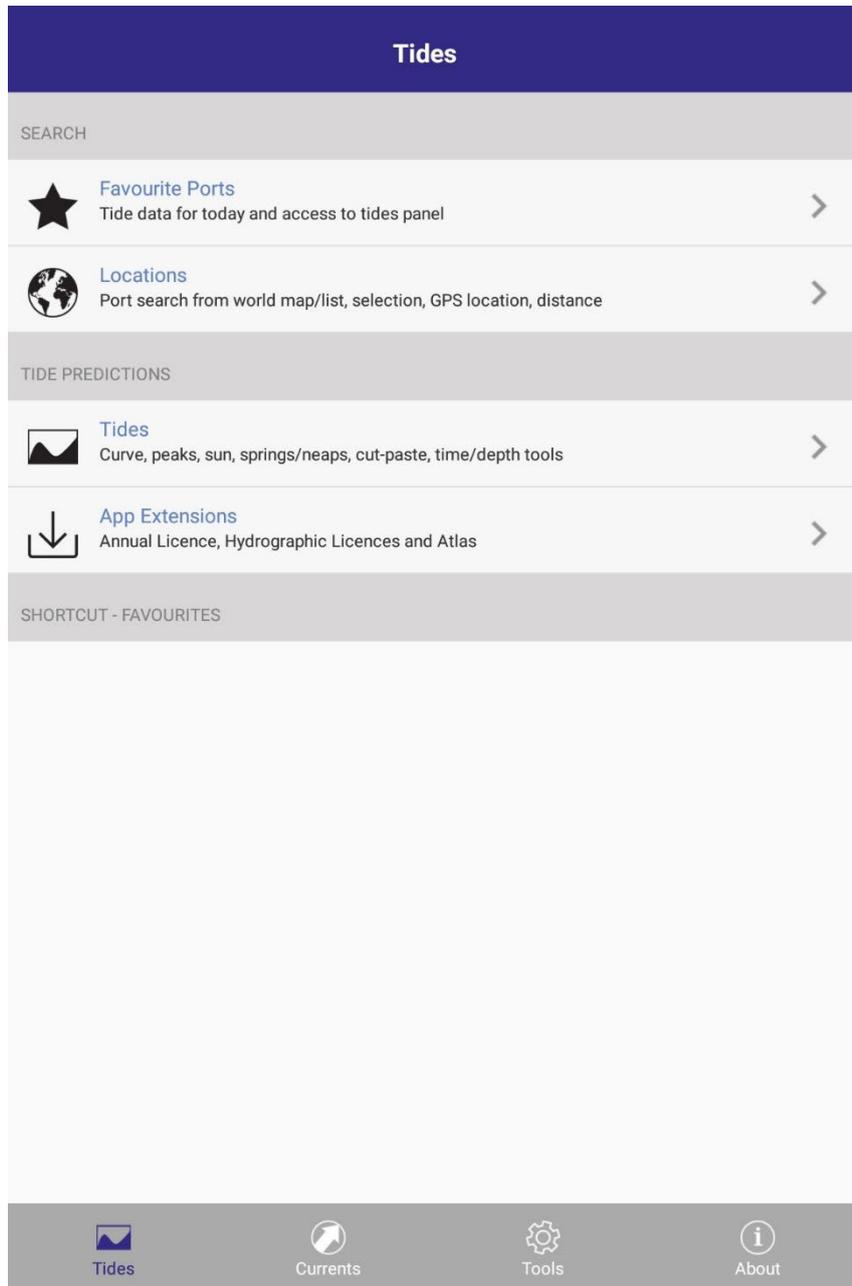
From the tides landing page, a range of different features can be accessed:

### *Favourite Ports*

Provides quick access to today's tides for your favourite locations, and easy access through to the relevant tides panel.

### *Tides*

Provides a view of tide predictions in graph or table form, including sunrise/set, dusk and dawn, moon rise/set, moon phase and neap and spring tides.



### *Locations*

Provides access to a globe view and list of locations which can be selected to view.

### *App Extensions*

Allows you to view and purchase licences in order to access more information within the app.

### *Tides*

Tides landing page. Highlighted in blue as this is the current page.

### *Currents*

Move to the Currents landing page.

### *Tools*

Move to the Tools page.

### *About*

Move to the About page.



## Currents Landing Page

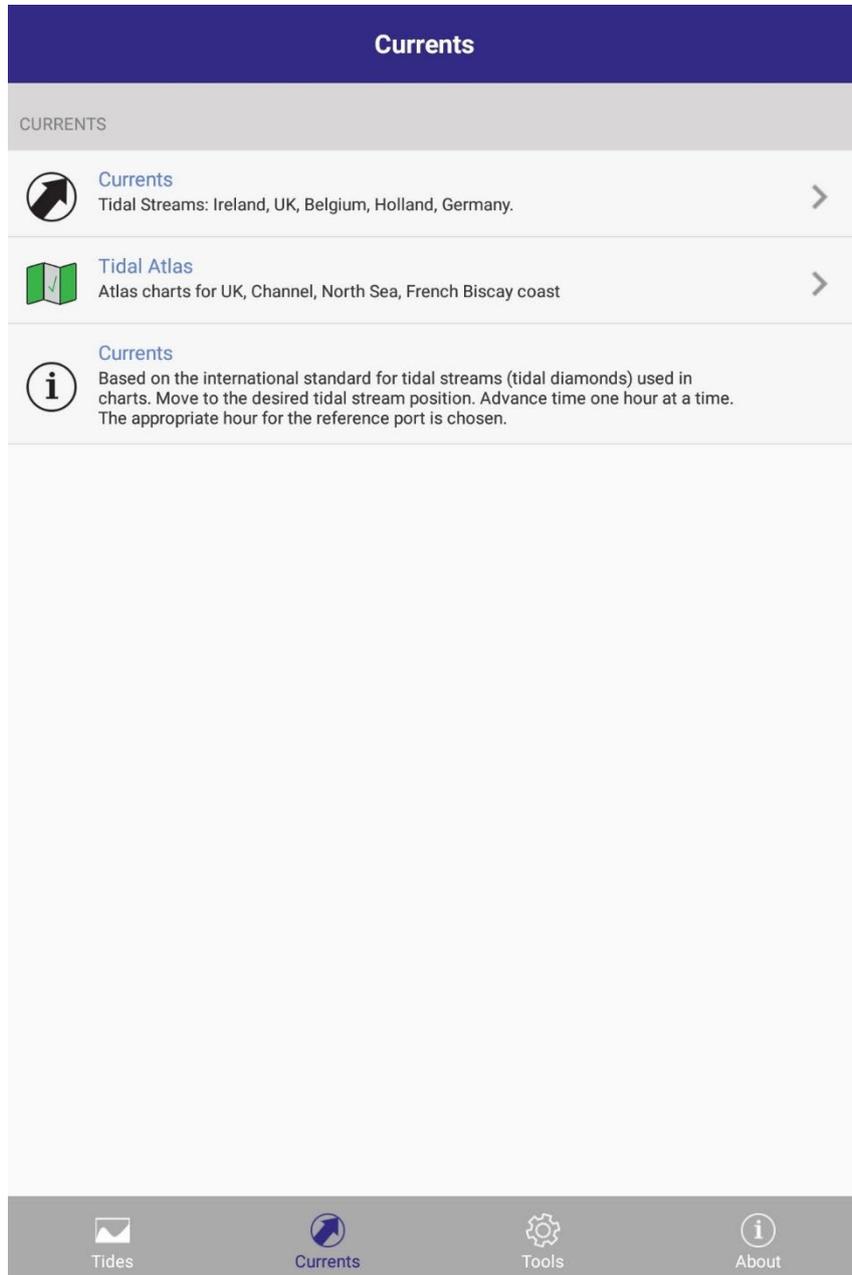
From the currents landing page, a range of different features can be accessed:

### Currents

Provides access to tidal stream arrows.

### Currents

Provides some information on the use of the currents data within the app.



### Tidal Atlas

Provides access to tidal stream atlas diagrams. This requires a licence.

### Tides

Move to the Tides landing page.

### Currents

Currents landing page. Highlighted in blue as this is the current page.

### Tools

Move to the Tools page.

### About

Move to the About page.



## Tools Page

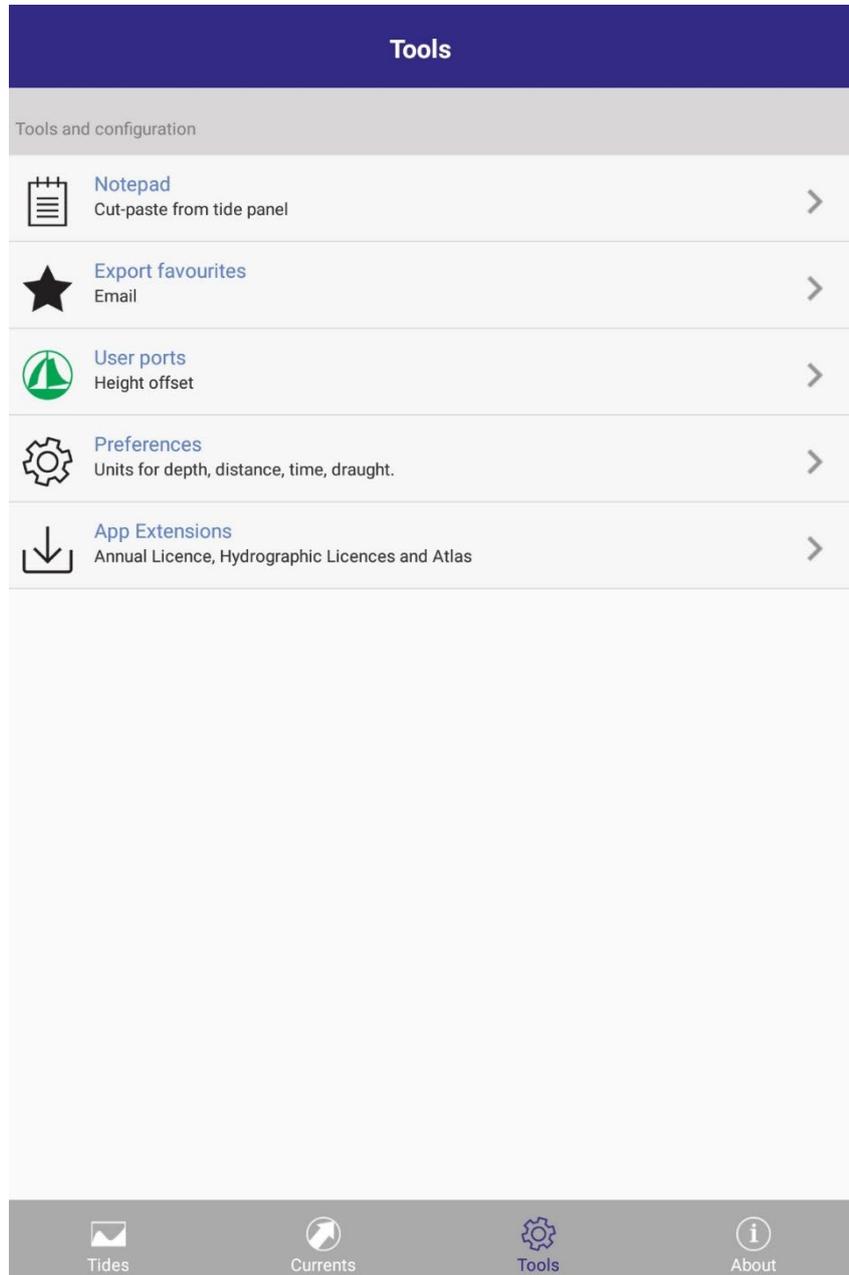
From the tools landing page, a range of different features can be accessed:

### *Notepad*

Access the internal notepad.

### *Export Favourites*

Export a list of your favourites to email.



### *User Ports*

Access a list of user created ports, create user ports.

### *Preferences*

Access app preferences.

### *App Extensions*

Allows you to view and purchase licences in order to access more information within the app.

### *Tides*

Move to the Tides landing page.

### *Currents*

Move to the Currents landing page.

### *Tools*

Tools landing page. Highlighted in blue as this is the current page.

### *About*

Move to the About page.



## About Page

From the about landing page, a range of different features can be accessed:

### Share Tides Planner

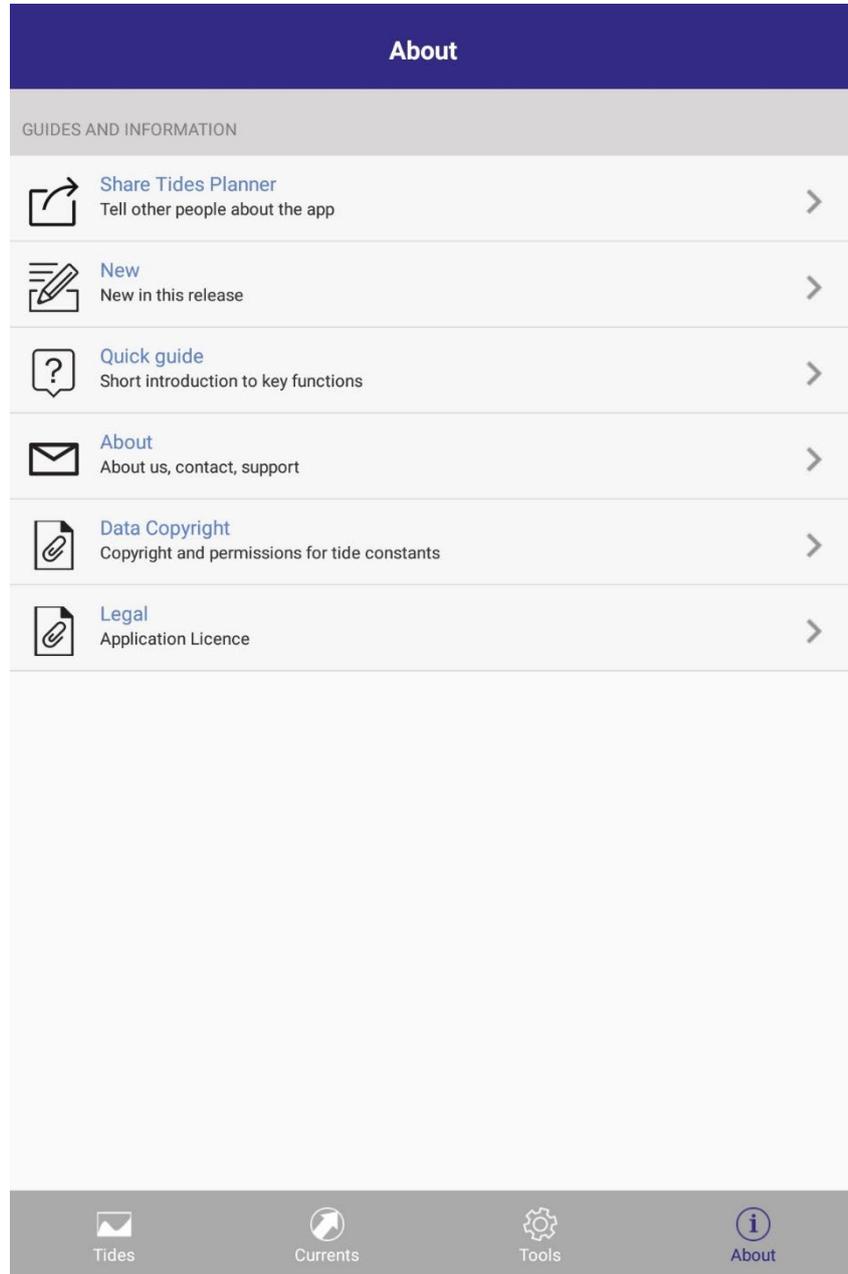
Allows you to share the app with others.

### New

Brings up a list of releases and their key features.

### Quick Guide

Allows you access notes on the application and its use.



### About

Access details about the app and contacting Imray.

### Data Copyright

Access copyright information.

### Legal

Access legal information, including copyrights.

### Tides

Move to the Tides landing page.

### Currents

Move to the Currents landing page.

### Tools

Move to the Tools landing page.

### About

About landing page. Highlighted in blue as this is the current page.



## Licences

Tides Planner is subject to licensing rules from Hydrographic Offices. Depending upon the country in question, these rules can vary within the app.

### Free Application

Tides Planner is free to download and you can access one day's tide information (the current day) for any country in the world. You can also access the currents data for one day (the current day).

### Year Licence

Year licences are available for past, current and future years within the app. These are purchased annually. Purchasing a year licence unlocks data for more days:

- Any day within year licence year – Italy, USA, Canada, Australia, New Zealand, Japan, Chile Ecuador
- Current day only - France
- Seven day tide information (current day + 6 days) – all other countries. Some of these countries will always show 7 day data, regardless of a Hydrographic Office licence being purchased.

### Hydrographic Office Licence

Hydrographic Office licences unlock any day tide information. These are one off purchases which will work with any past, current or future year licences. There are a range of Hydrographic Office licences available:

- [Tidal Stream Atlas](#) – allows access to the UK tidal stream atlases
- [UK, Ireland, Germany and other UKHO world](#) – allows access to any day tide information for UKHO countries
- [France](#) – allows access to any day predictions for France
- [Currents & Atlas Brest](#) – allows access to French tidal stream atlases and the currents on the French coast of the English Channel and Biscay
- [Netherlands](#) – allows access to any day predictions for the Netherlands
- [Belgium](#) – allows access to any day predictions for Belgium
- [Spain](#) – allows access to any day predictions for Spain
- [Portugal](#) – allows access to any day predictions for Portugal
- [NLHO Indonesia](#) – allows access to any day predictions for Indonesia

### Sharing Licences

Licences can be shared between devices that run on the same platform (e.g. Android or Apple). Purchases are associated to your Google Play Account/Apple ID and so if you are using the same account you will be able to access your licences on multiple devices.

To do this, navigate to the App Extensions page and tap Restore Extensions at the bottom of the page. It is important that you are using the same Google Play/Apple ID account.

Currently you cannot share licences between devices running on different platforms.



## Locations

Locations can be found using the globe view or searched for in the list view.

### Locations – Map View

The map view is presented as a flat map, and locations are indicated with a small dot. To zoom, pinch or double tap on the map, swipe to move around.

**Current location information – related to the location currently selected.**

**Current location information – indicated by an orange circle around the location.**

**Zoom to current location.**

**Port selection mode:**  
 -map mode to drag the map to select a location.  
 -indicator mode to move the indicator to select a location

**Distance from selected location to current location (i.e. from blue circle to yellow circle). If none selected, from cursor to current location.**

**Zoom:**  
 -into the centre of the crosshairs on screen.  
 -back to current zoom view.

**View satellite image for current location.**

**Cursor coordinates.**

**View tide information for current location.**

**Access saved favourites.**

**Select a location – puts a blue circle around the point and displays the name of the location at the top of the screen**

**Move to selected location – moves to the location circled in blue and named at the top of the page**

**Add location to favourites.**

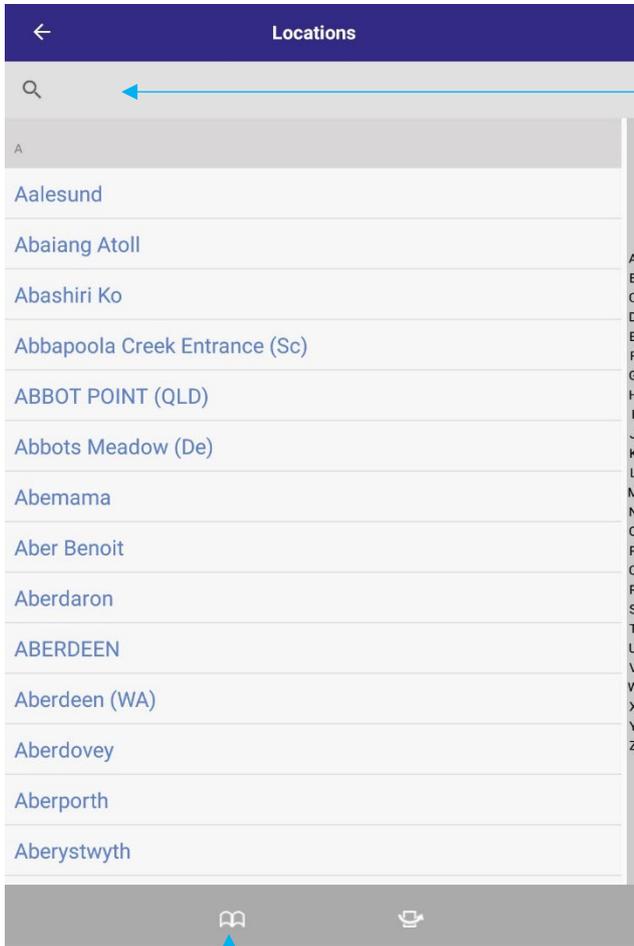
**Map scale.**

**Switch to list view.**



## Locations – List View

Locations can also be found using the list view. You can scroll through the list, order by area and country, or perform a search. Tapping on a location in the list takes you back to the map view, and from there you can select to view the tide information for the location.

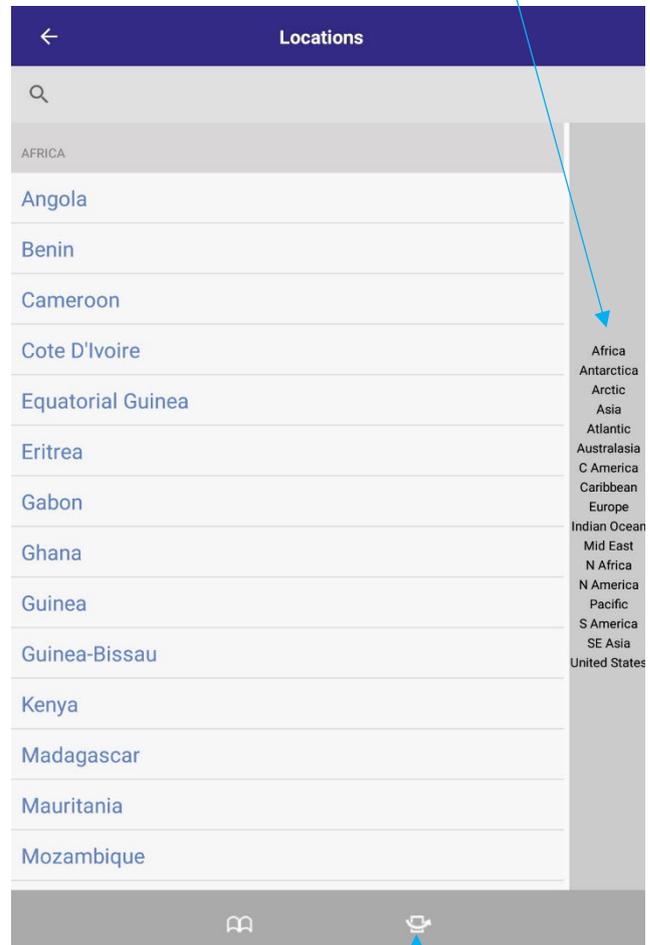


Search mode – begin typing to pull up relevant locations.

Alphabetical list – tap on a letter to move to that part of the alphabet.

Categorised list – tap on an area to jump to it, then select an underlying country/area.

Switch between alphabetical and categorised view.



Switch back to map view.



## Tides

Tide information is presented graphically and in a table.

### Tidal Graph View

**Indicator** – can be a single indicator or dual indicators depending on mode. Can be moved to view tide data at different points on the curve and has 3 modes, see Single Indicator Mode/Dual Indicator Mode.

**Selected location.**

**Reset to current time.**

**Depth indicator:**  
**Red** is the actual depth  
**Blue** is the tidal height  
 Actual depth = chart depth + tidal height  
 e.g. if you set the chart depth to 1.0, the blue indicator for tidal height would show 1.7m, and the red indicator for actual depth would show 2.7m.

**Access saved favourites.**

**Single/dual indicator mode, see Single Indicator Mode/Dual Indicator Mode.**

**Lock/unlock time scale** – when locked you drag the indicator along the line, when unlocked you drag the background through time.

**Tidal height scale** – drag to change the chart depth, double tap to reset to zero

**Chart depth.**

**Moon rise and set.**

**Date and time zone.**

**Time and depth data for dual indicators.**

**Sun and moon rise/set, neap and spring tide data. Tap the sun for detailed dawn and dusk times.**

**Switch to tide table view.**

**Sunrise and sunset.**

**High and low tide details for the day.**

**Clock, time and depth data for single indicator.**

**Depth data.**

**Location data.**

**View currents data.**

**Copy data to system clipboard and app notepad.**

**Change date using the calendar.**

Time	Depth	Time	Depth
00:30	5.2m	01:00	21:00
07:00	2.1m	12 Aug	12 Aug
12:50	5.2m	10:35	4.2m
19:40	2.0m	0.8m/h	0.6m/h

Depth: 0.0m  
 Depth marker: 2.7m  
 Actual depth: 4.3m

52°046'.0N 000°012'.0E TZ0  
 Secondary Port

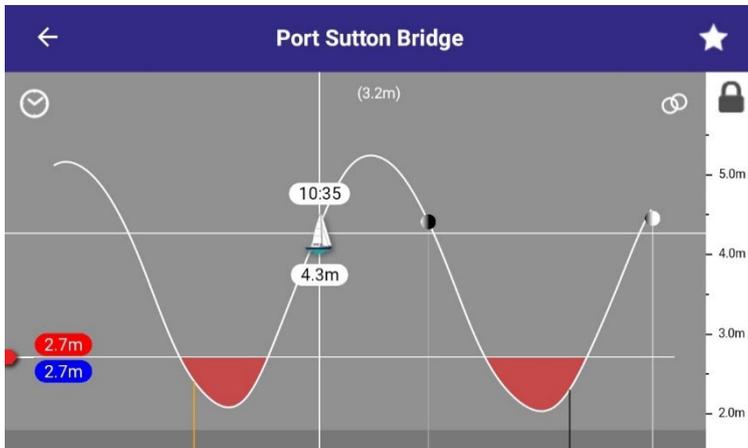
15 Aug  
 Springs 05 Aug -7 days  
 Neaps 13 Aug +1 day

15:06  
 23:56  
 05:37  
 20:33



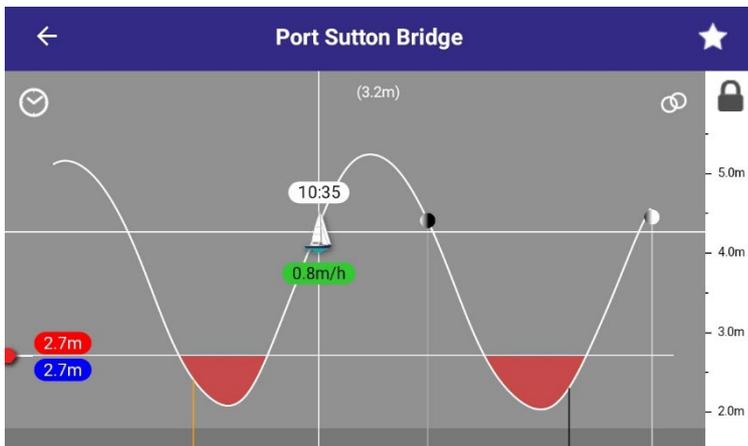
## Single Indicator Mode

Three different pieces of information can be seen in the single indicator mode. Tapping the grey background of the tidal curve switches between the modes.



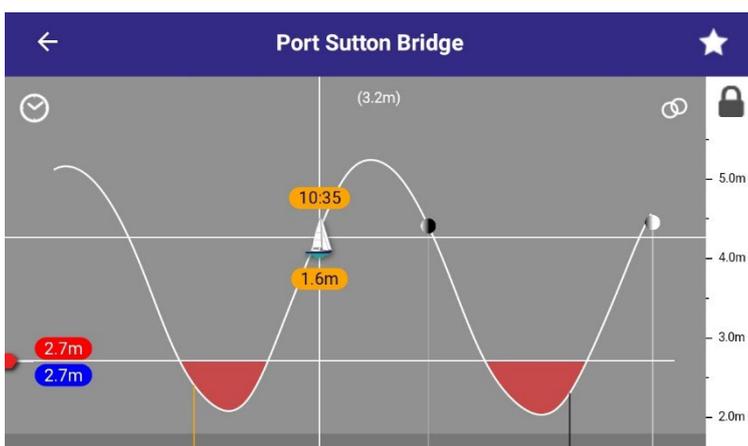
### *Time – Actual Height*

The time is shown above the indicator and the tidal height at that time is shown below the indicator.



### *Time – Rate of Change*

The time is shown above the indicator. Below the indicator is shown the rate of change; green indicates a rising tide and red a falling tide.



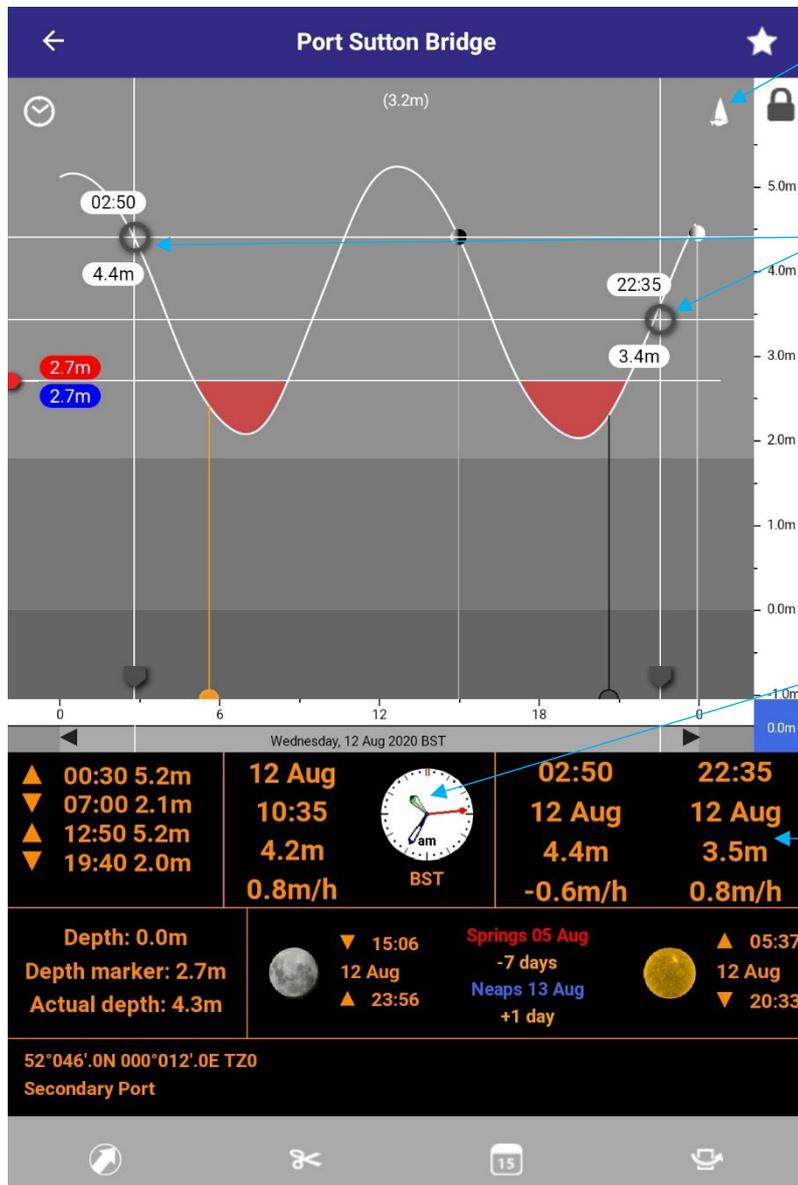
### *Time – Height Difference*

The time is shown above the indicator. Below the indicator is shown the difference in height to the depth indicator (red marker).



## Dual Indicator Mode

The dual indicator mode gives two indicators on the chart. These can be moved to view data for two different points in time at once.



Single/dual indicator mode.

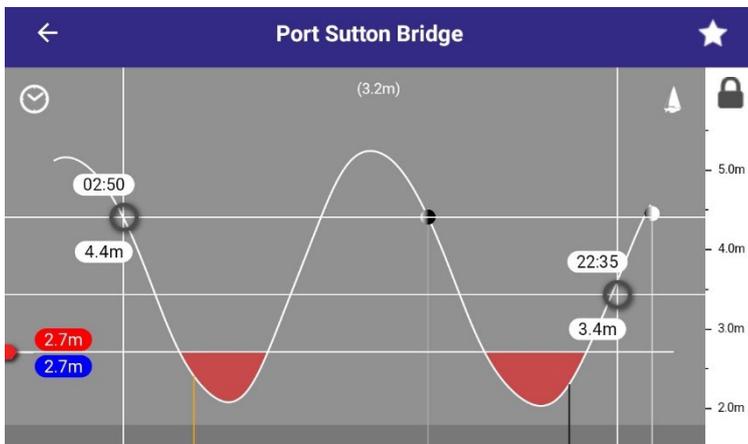
Indicators – can be a single indicator or dual indicators depending on mode. Can be moved to view tide data at different points on the curve and has 3 modes, see Single Indicator Mode/Dual Indicator Mode.

Time markers on the clock indicate the location of the dual markers – green for am and red for pm

Time and depth data for dual indicators.

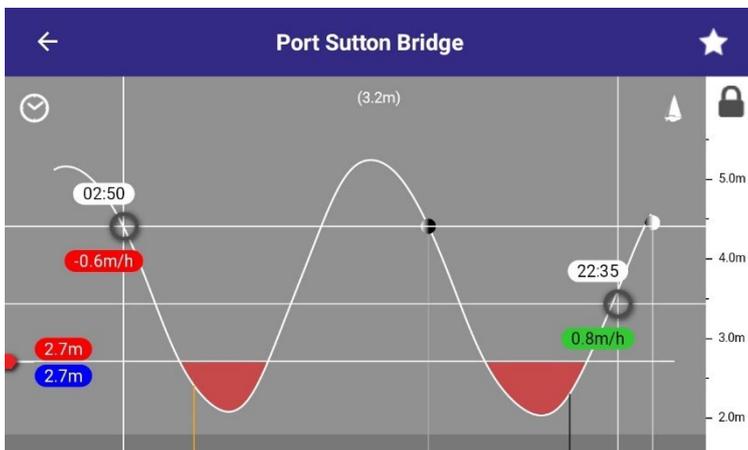


There are three different data modes when in dual indicator mode. Tapping the grey background of the tidal curve switches between the modes.



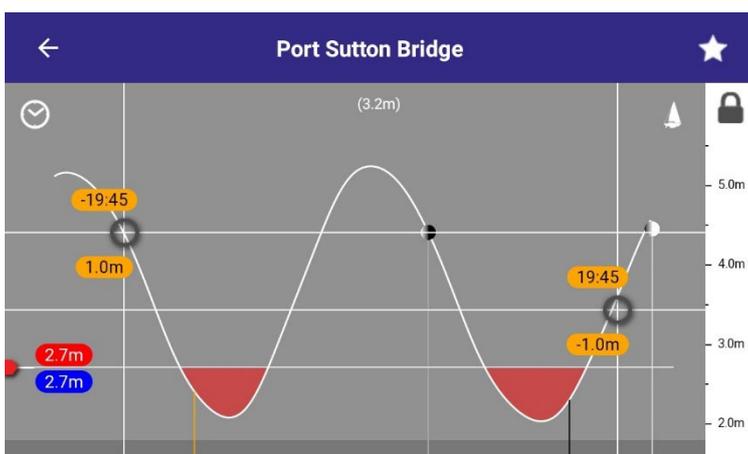
### *Time – Actual Height*

The time is shown above the indicator and the tidal height at that time is shown below the indicator.



### *Time – Rate of Change*

The time is shown above the indicator. Below the indicator is shown the rate of change; green indicates a rising tide and red a falling tide.



### *Time – Height Difference*

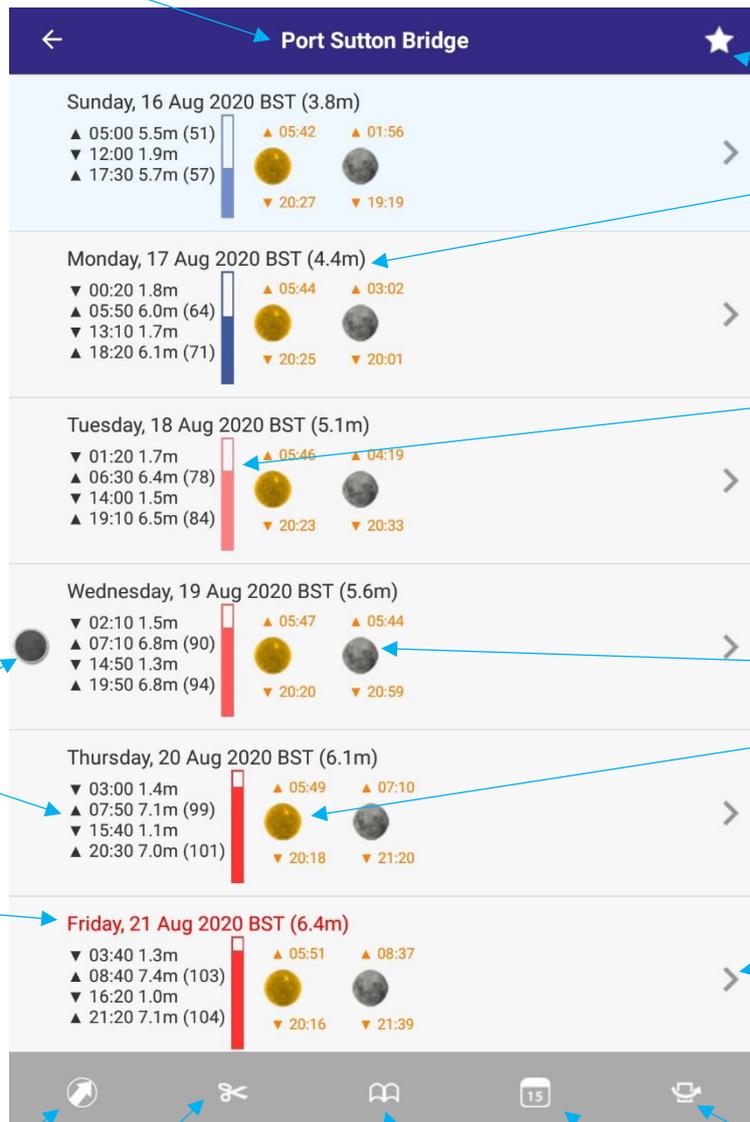
The time is shown above the indicator. Below the indicator is shown the difference in height between the two markers.



## Tide Table View

The tide table gives high and low tide data for a week (licence permitting). It also shows sun and moon rise and set data and indicates the moon phase. Spring and neap tides are highlighted in red or blue respectively.

Selected location.



Access saved favourites.

Height difference between highest high and lowest low.

Tide gauge – indicates the difference between the highest high and the lowest low. As the difference grows and the bar fills it moves from blue to red.

Moon phase indicator.

High and low tide details for the day.

Red font indicates a spring tide, blue would indicate a neap.

Moon rise and set.

Sun rise and set.

Tap to see the tidal curve for the selected date.

View currents data.

Copy data to system clipboard and app notepad.

View recent locations.

Change date using the calendar.

Switch to tidal curve view.



## Favourite Ports

The favourite ports page allows you to see information for the current day for all of your favourite ports at once, and to access these ports quickly. Ports can be added to your Favourite ports via the Locations – Map View.

The screenshot shows the 'Favourite Ports' screen with a dark blue header. The list contains five entries, each with a sailboat icon, a port name, location, coordinates, and tidal data for the current day. A right arrow is visible on the right side of each entry.

Port Name	Location	Coordinates	Tidal Information (Current Day)
COWES	England, Europe	50°046'.0N 001°018'.0W	▼ 04:20 0.9m ▲ 11:20 4.2m ▼ 16:50 0.9m ▲ 23:30 4.2m
DOVER	England, Europe	51°007'.0N 001°019'.0E	▼ 06:00 1.3m ▲ 11:00 6.7m ▼ 18:20 1.0m ▲ 23:20 6.7m
LOWESTOFT	England, Europe	52°028'.0N 001°045'.0E	▼ 03:10 1.0m ▲ 09:10 2.5m ▼ 15:40 0.6m ▲ 22:00 2.5m
DUNKERQUE	France, Europe	51°003'.0N 002°022'.0E	▼ 06:30 0.9m ▲ 11:50 5.8m (84) ▼ 18:50 0.6m
DIEPPE	France, Europe	49°056'.0N 001°005'.0E	▼ 05:20 1.3m ▲ 10:50 9.0m (84) ▼ 17:40 1.2m ▲ 23:10 9.2m (91)

Go back to Tides landing page.

Port name

Port location details.

Tidal information for current day.

Tap to delete a port from your favourites.

Tap to see the tidal curve for the selected date.



## Currents

Currents or tidal streams are shown for each tidal diamond defined. The current is shown in one hour increments relative to the reference port high or low water. The system is defined by the IHO.



Go back to Currents landing page.

Selected stream:  
Speed direction and time are shown.  
The reference port, and the time of the peak at the reference port, is shown below.

Move time back one hour.

Port selection mode:  
-map mode to drag the map to select a location.  
-indicator mode to move the indicator to select a location

Distance from cursor to selected stream.

Copy data to system clipboard and app notepad.

View recent locations.

Change date using the calendar.

Access saved favourites.

Selected stream, indicated with underlying orange circle.  
Streams are colour coded by strength:  
Grey 0-1 knots  
Green 1-2 knots  
Yellow 2-3 knots  
Red greater than 3 knots

Move time forwards one hour.

Zoom to current location

Cursor coordinates.

Scale.

Zoom to maximum or back to current zoom. Pinch or double tap the map to zoom in and out.



## Preferences

In the preferences page you can choose units of measurement and time zones for the app.

 **Preferences**

---

 **Depth**  
m  m  ft

---

 **Distance**  
NM  km  miles  NM

---

 **Speed**  
knot  kmh  mph  knot

---

 **Time Zone**  
Local  Local  UT/GMT

---

 **Time**  
24h  24h  AMPM

---

 **Draught**  
1.8m  1.8m

---

 **Max Depth**  
OFF  OFF  ON