

# The UK Tidal Streams Android App

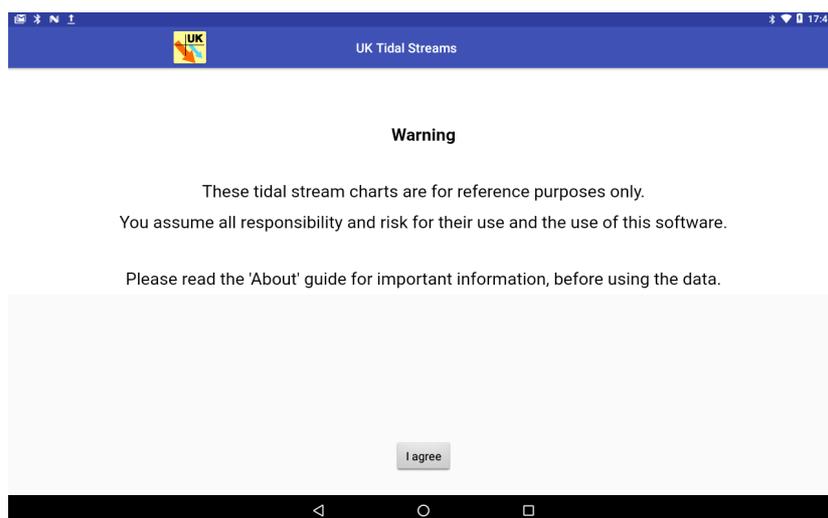


Available from the [Google Play Store](#)



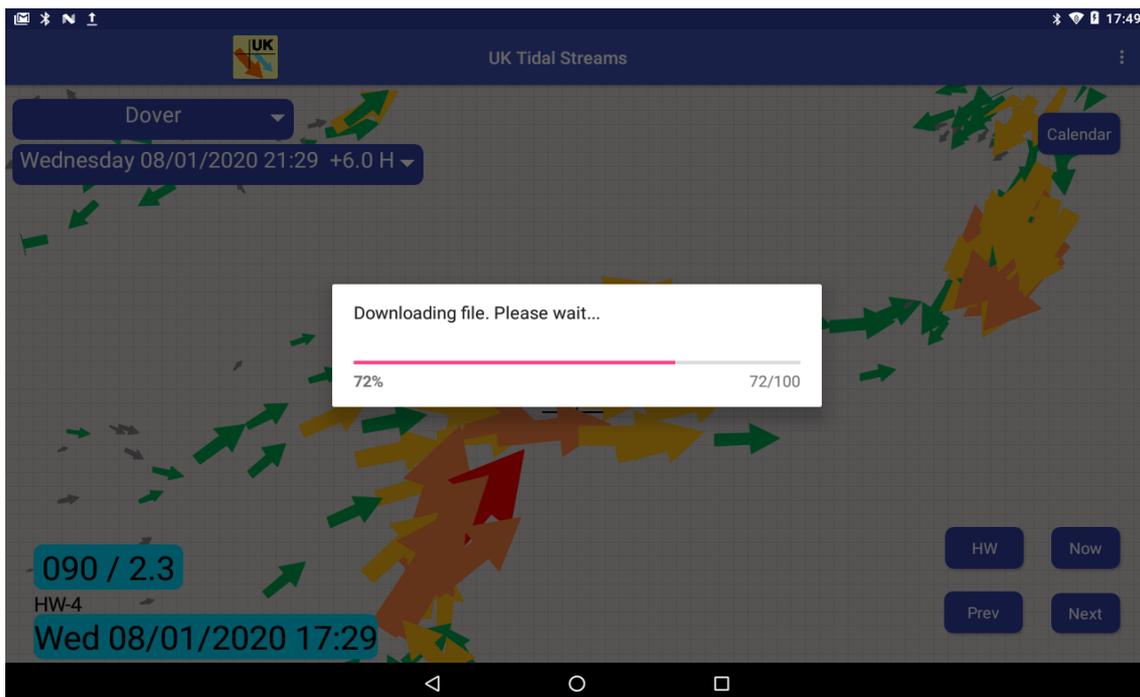
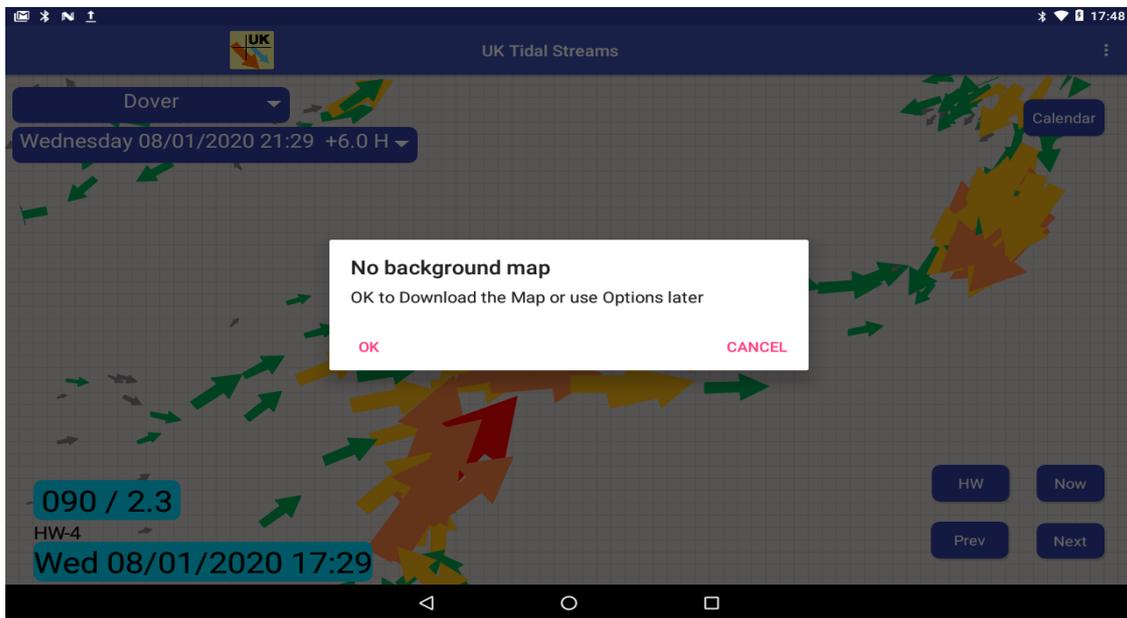
## Using UK Tidal Streams

After installing the app an introductory screen appears.



The app can be used in **landscape or portrait mode**. The best mode depends on the area of the UK that is being viewed.

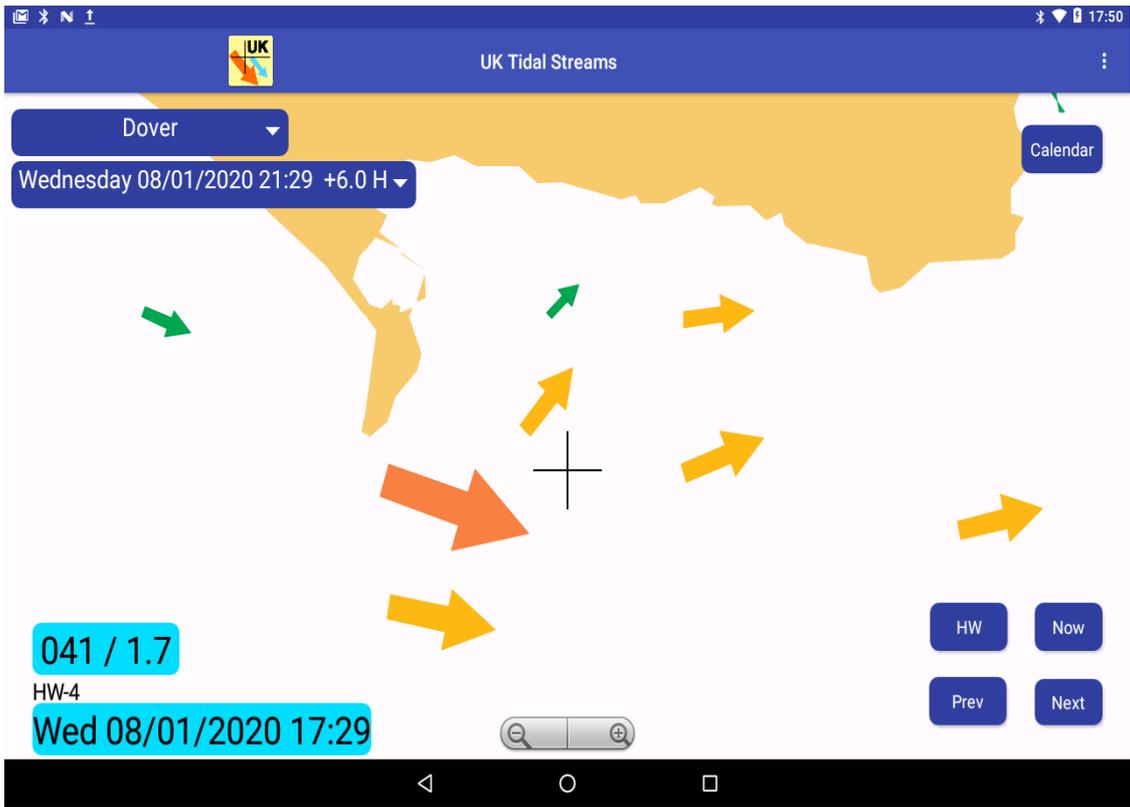
If you choose to use this app the introductory screen disappears. If still connected to the Internet you can download the background map, which is essential for using the app.



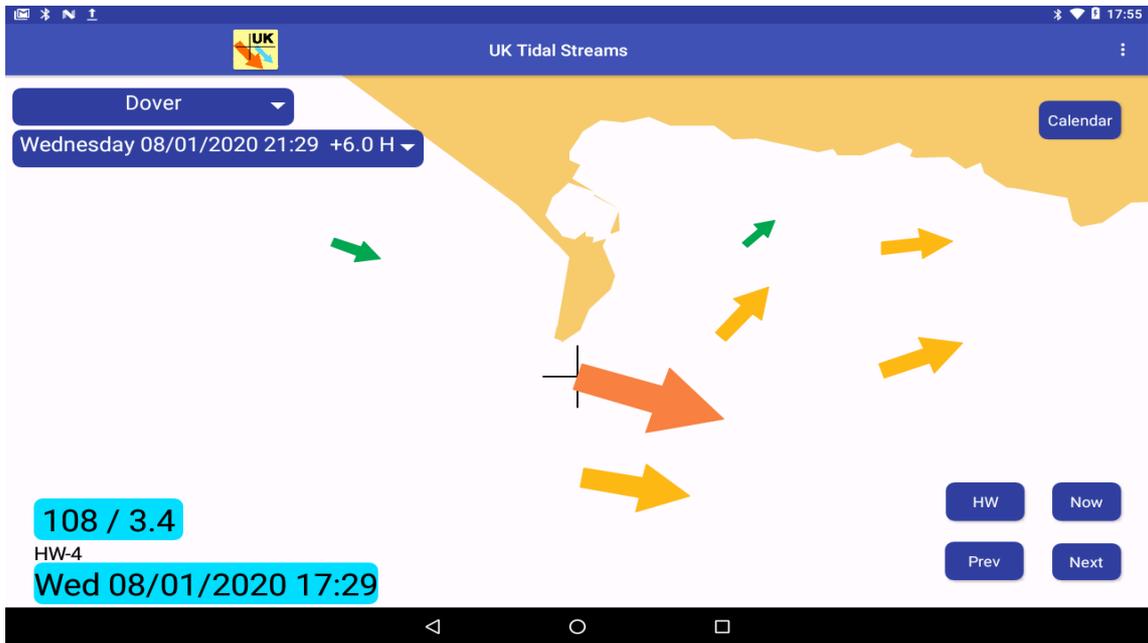
**Once the background map has been downloaded no further Internet connections are necessary for the app to operate.**

The default base port is 'Dover' and default time the present time. Times are GMT adjusted for daylight saving (BST).

Times shown at the bottom are related to High Water, i.e. Hours before or after, in the same way as Tidal Diamonds.

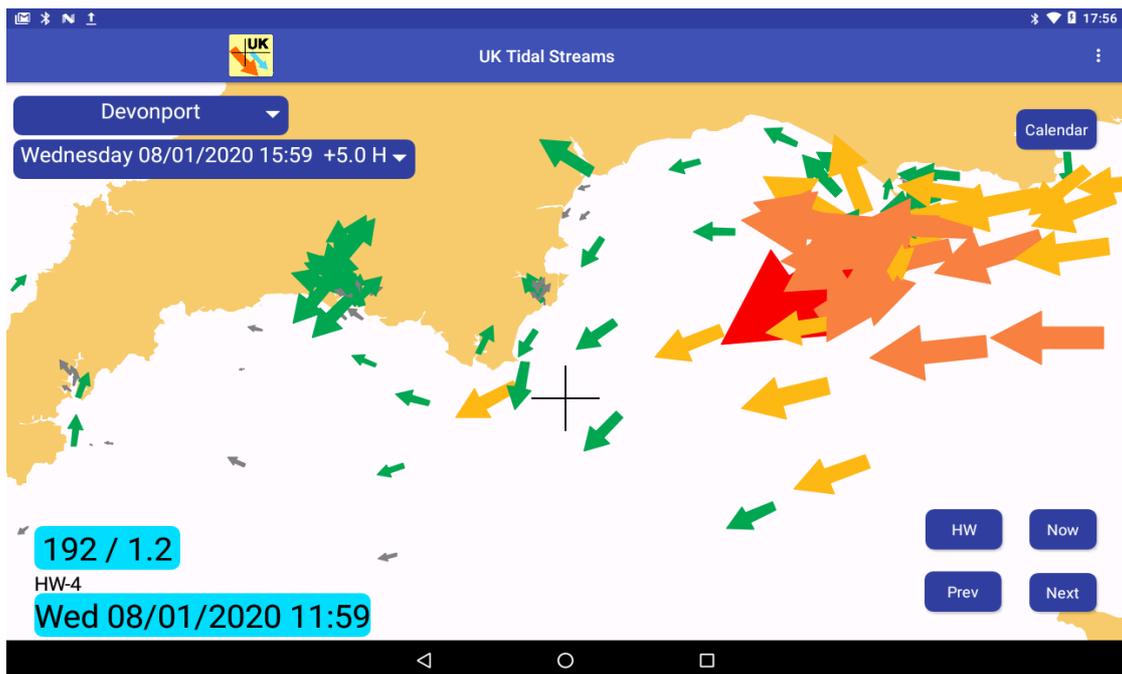
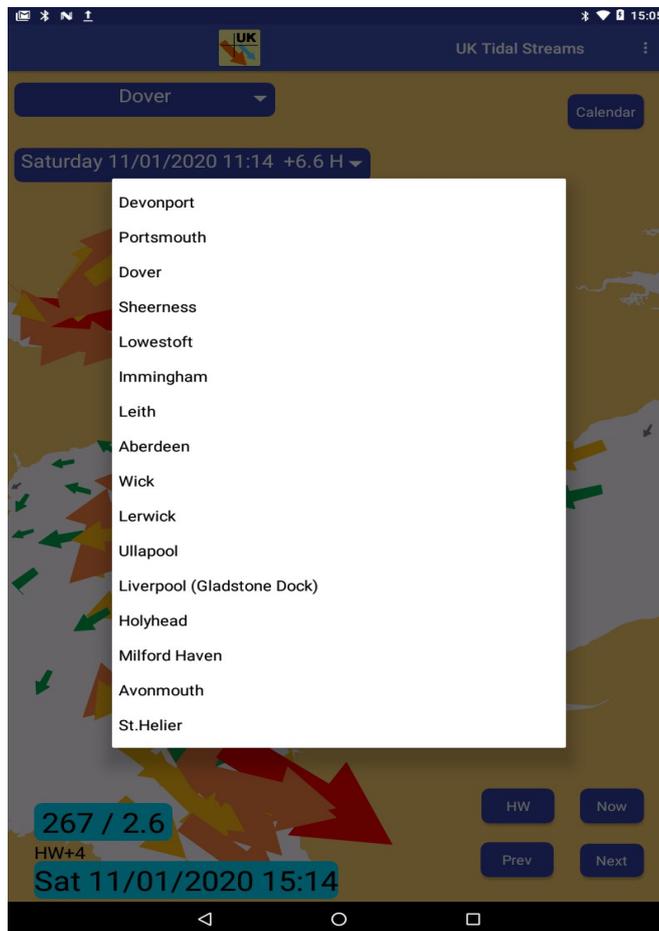


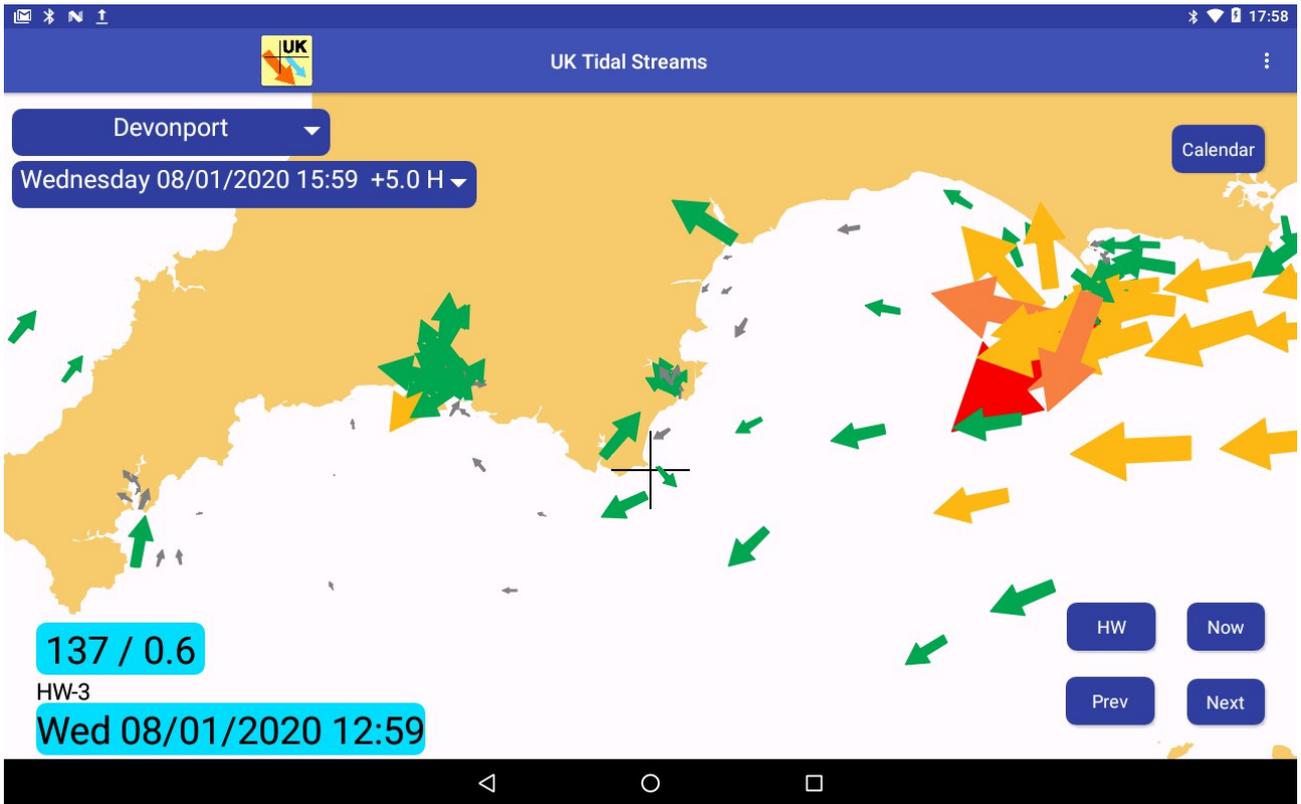
By moving the map so that the cross-hair is at the base of the arrow the direction and rate of the tidal stream for that location is shown (bottom left).



## Changing the port

Using the port drop-down the base port can be changed. This can produce more detail for some areas. There are 16 base ports.

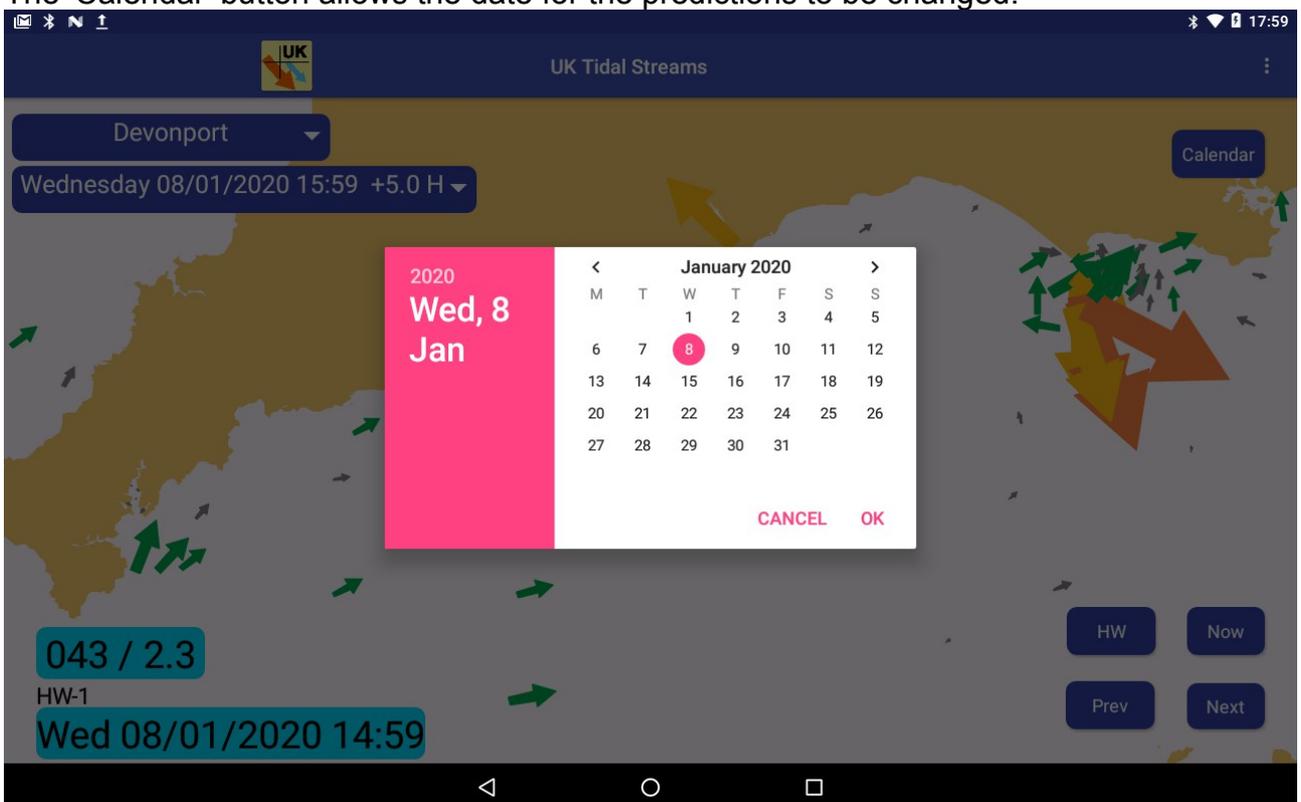




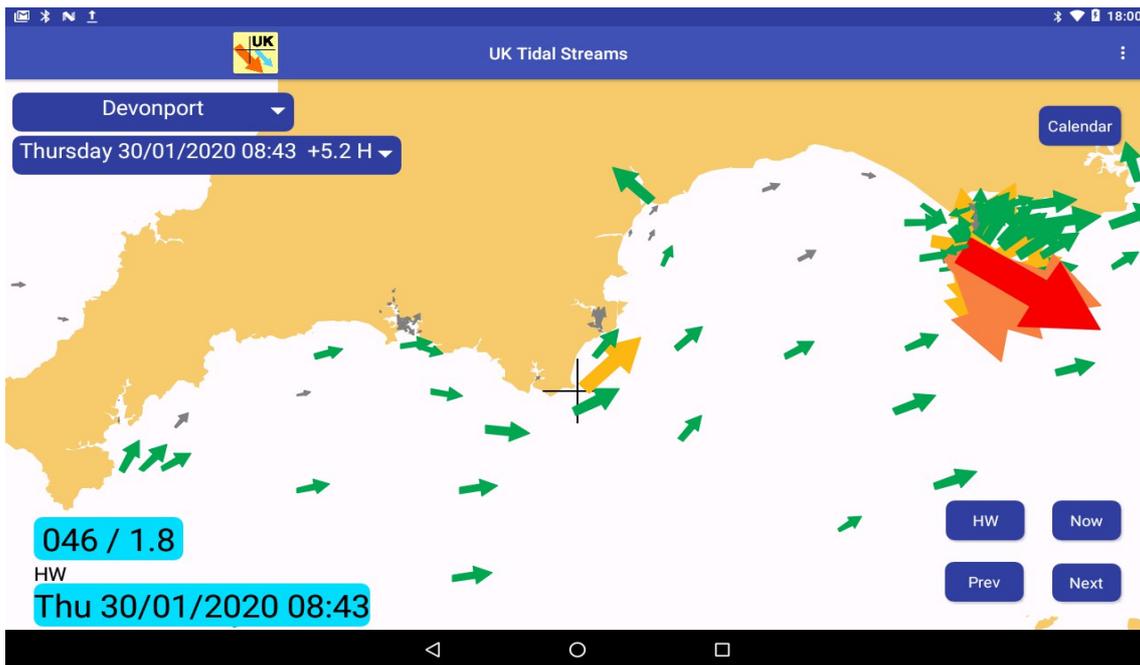
Using the 'Prev' and 'Next' buttons the tidal stream for the previous and next hours can be shown. If the cross-hair is positioned at the base of an arrow the direction and rate of the current is updated.

### Changing the date

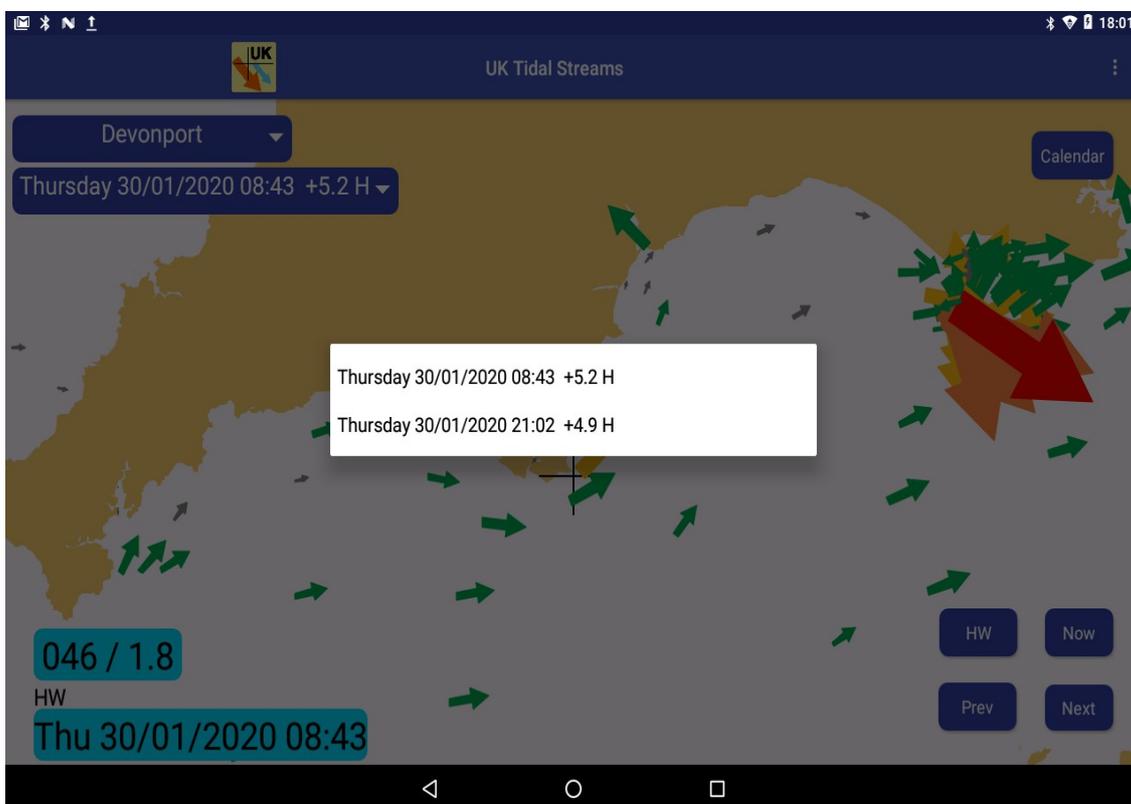
The 'Calendar' button allows the date for the predictions to be changed.

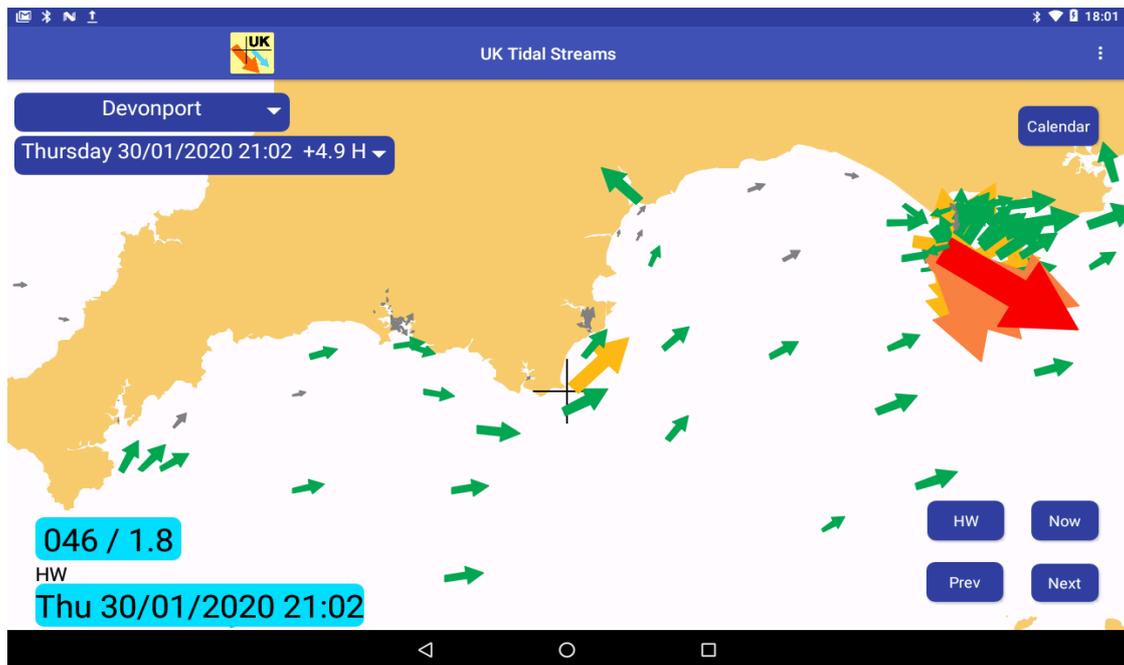


After pressing 'OK' press 'HW' to show the updated information.



There will often be two high waters available for the selected date. Using the date 'drop-down' the high water selection can be changed and the screen is updated.

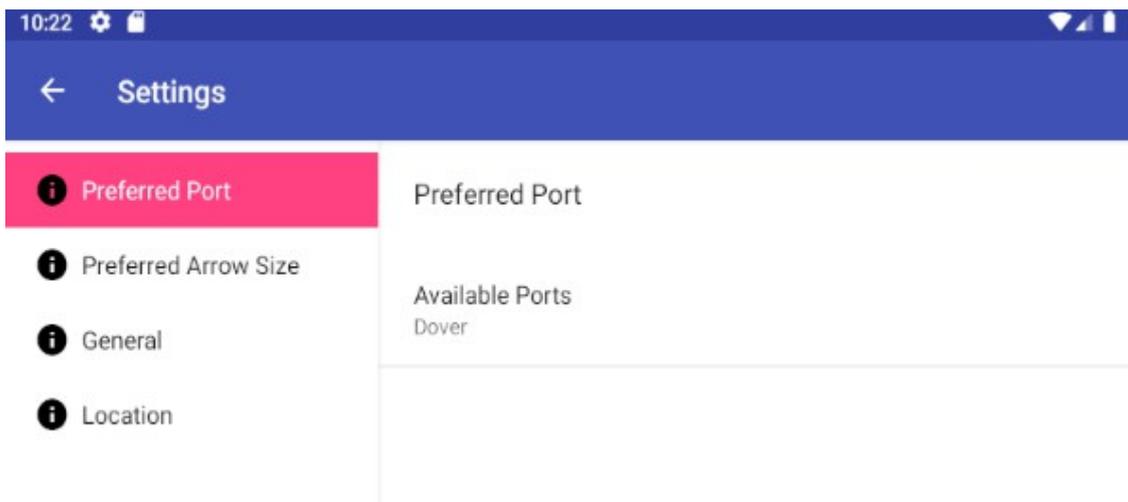


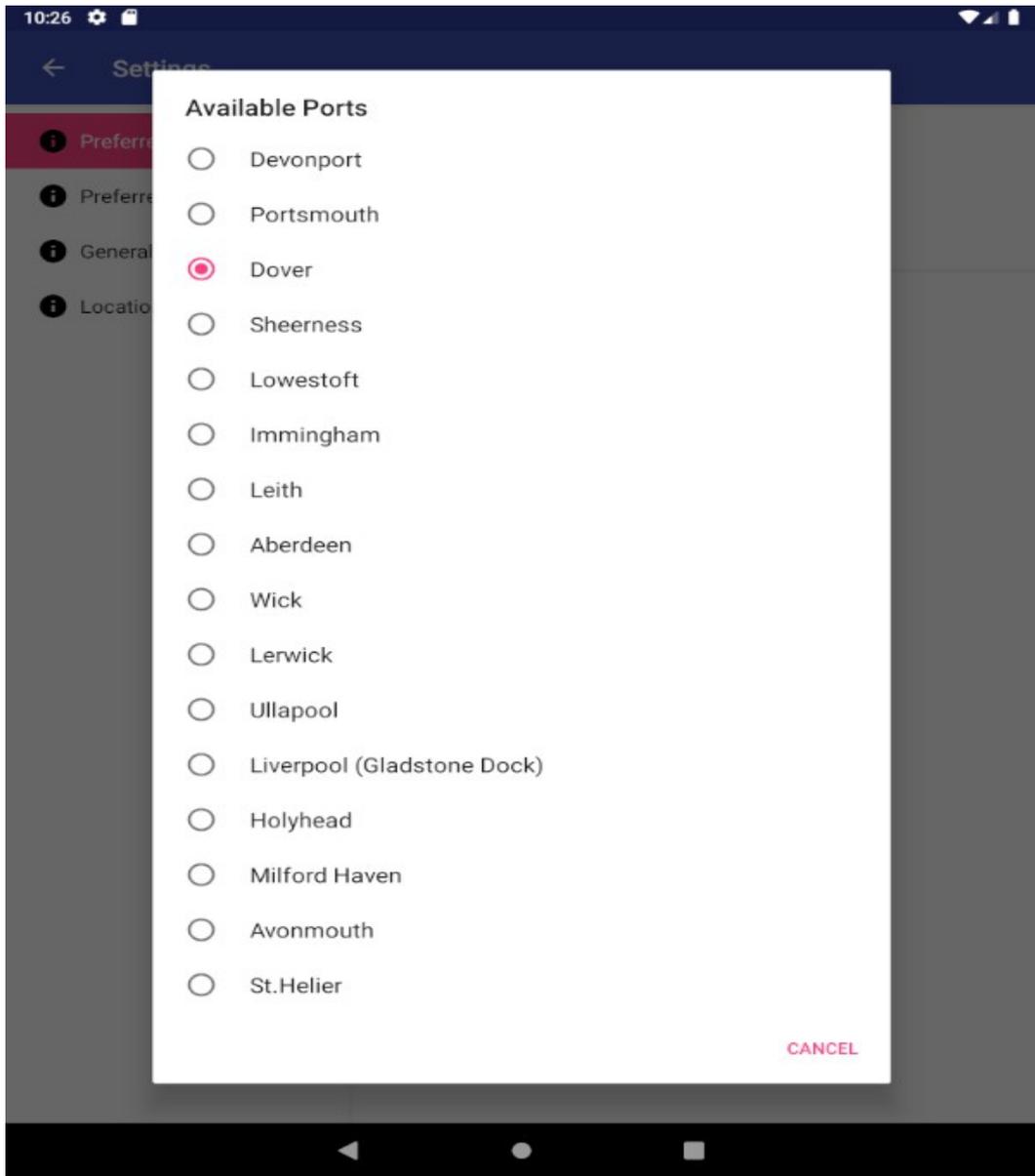


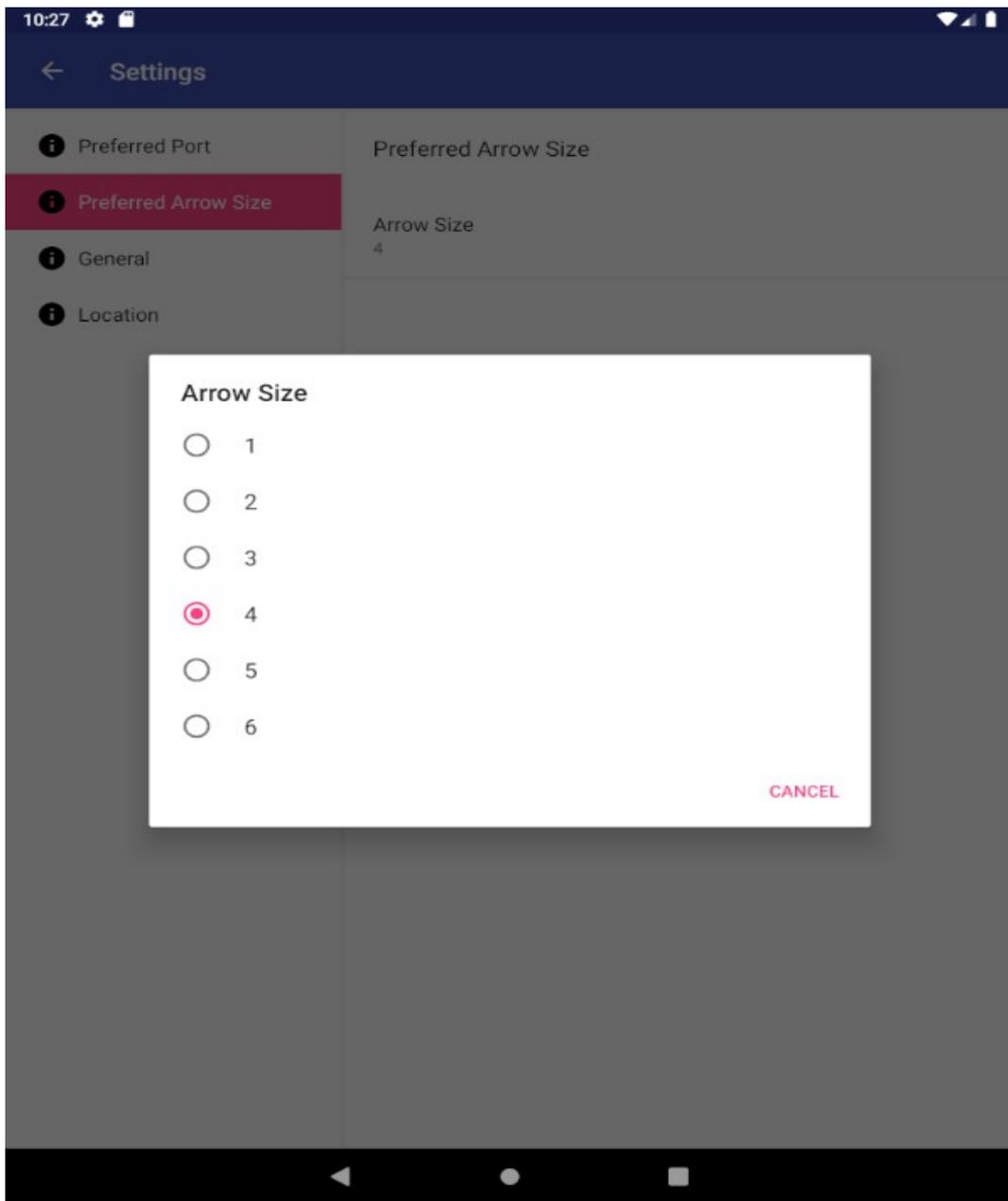
### Settings



Using the 'Options' menu (top right) the default port and size of arrows can be changed. Press back after making the selection to change the setting.

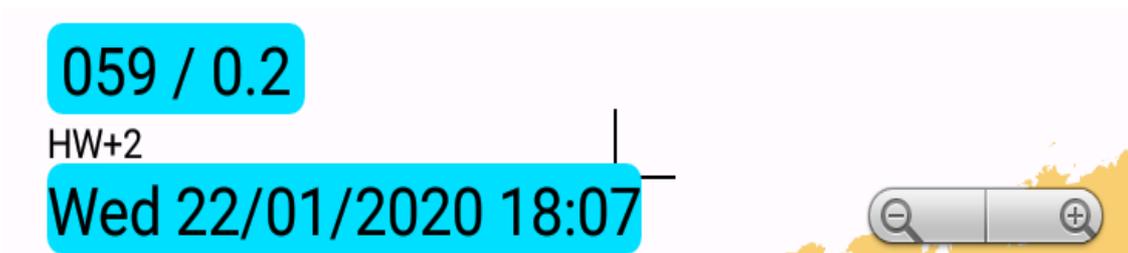






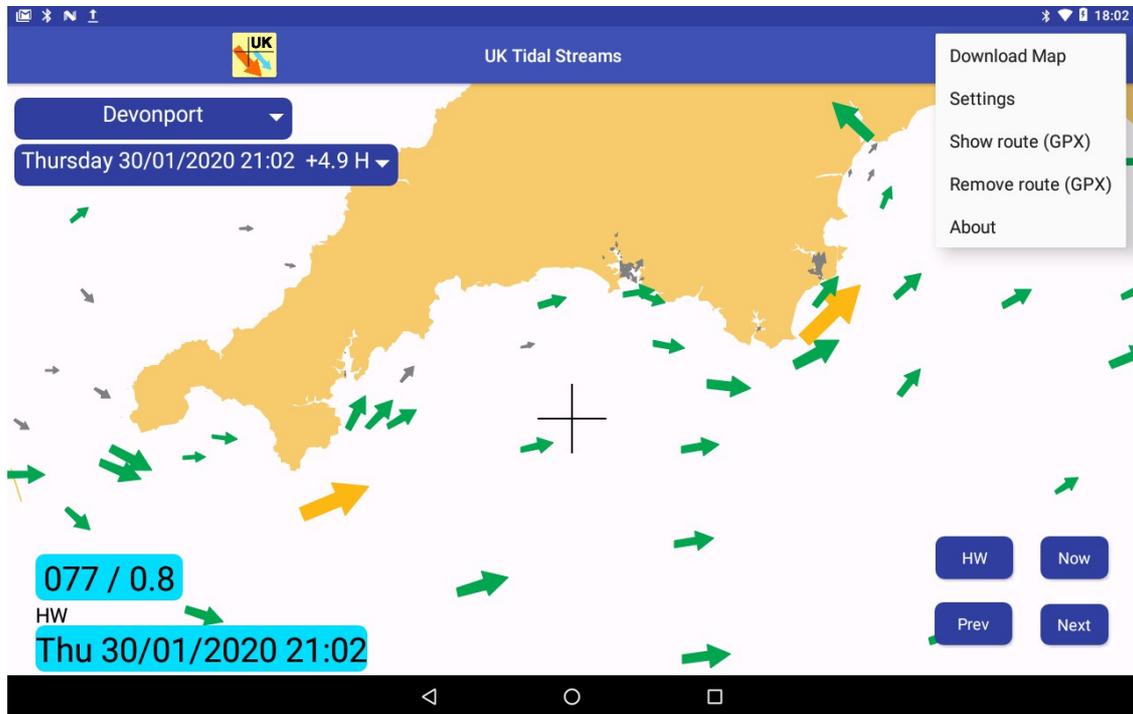
**Note:**

By zooming in or out the arrows adjust in size and this will help to see the tidal streams in more detail. Touch the screen to show the zoom controls.

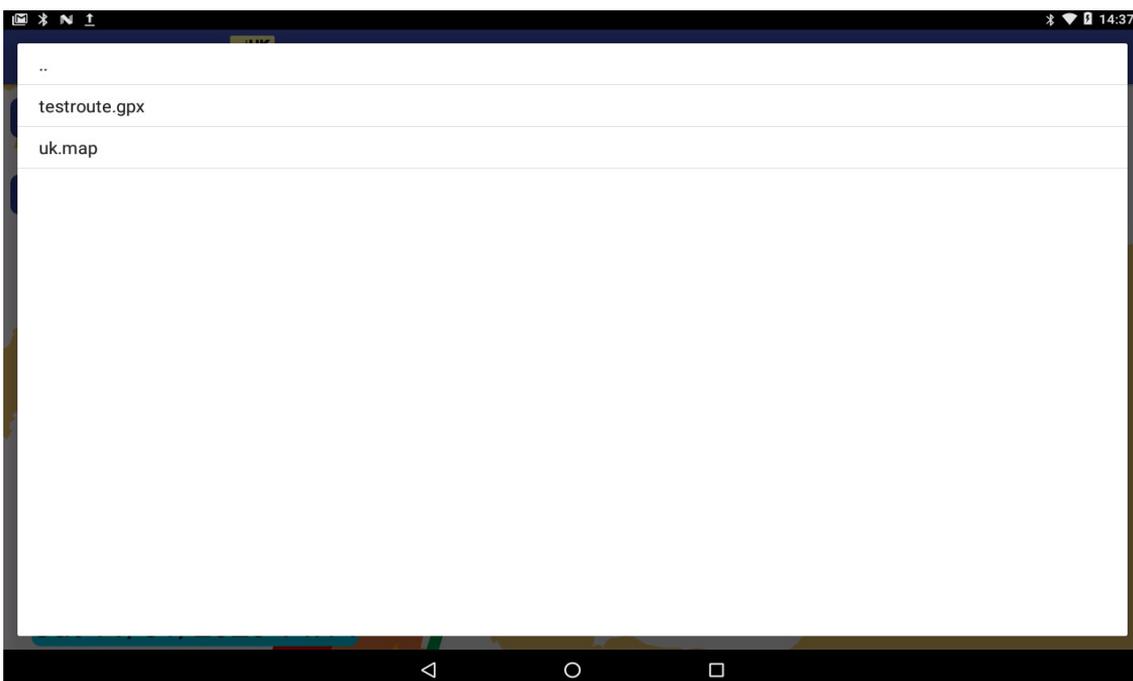


## Adding a route

Using the 'Options' menu a route can be selected and overlaid on the map.



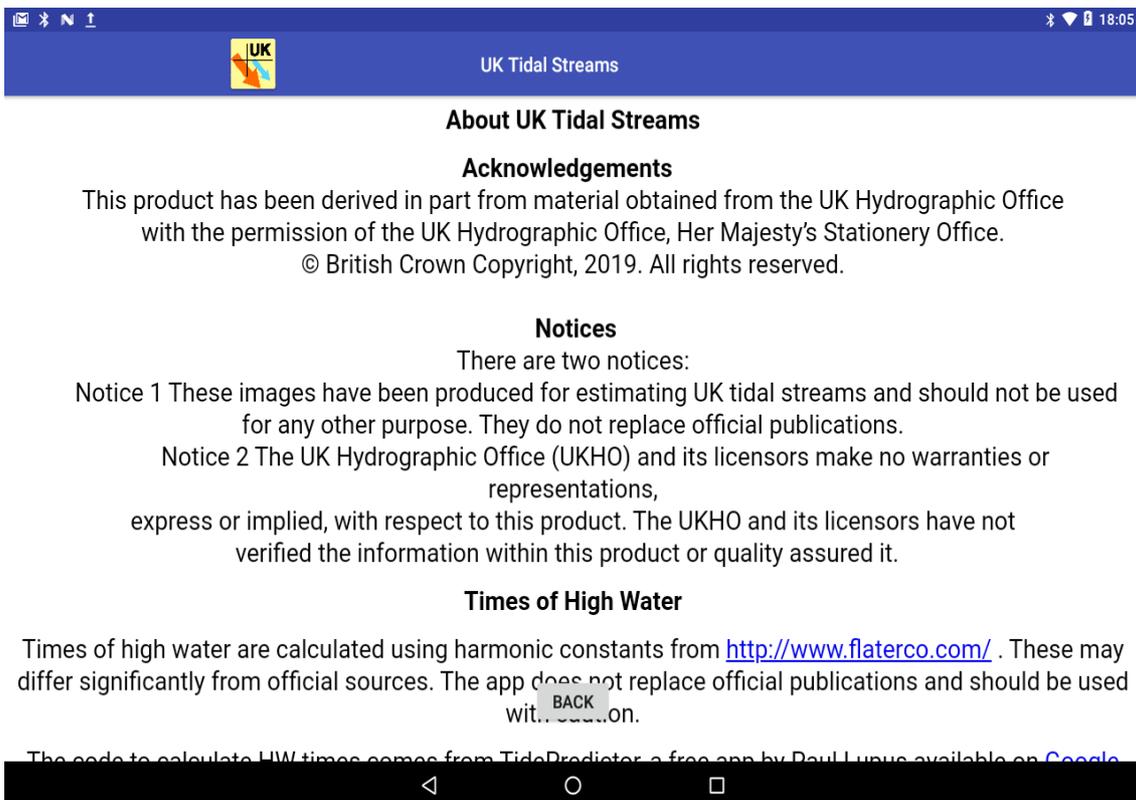
A sample GPX route file is available. An alternative route GPX can be selected and overlaid on the map. Only one gpx can be overlaid at once. For access to other locations than the app folder permission for storage needs to set using the Android 'Settings'.



Apps like 'OpenCPN' export gpx files that can be used in this app.



Use 'Options' to remove the route gpx overlay. Be aware that uninstalling the app will delete the app folder and any route files you have saved in that folder.



## Notes

- Times of High Water are calculated using harmonic constants and may differ from those available from official sources.
- The rate of the tidal stream is based on the tidal range for the day. Rates can be affected by atmospheric effects such as pressure and wind.
- Uninstalling the app will remove any routes saved to the UK Tidal Streams app data folder.



