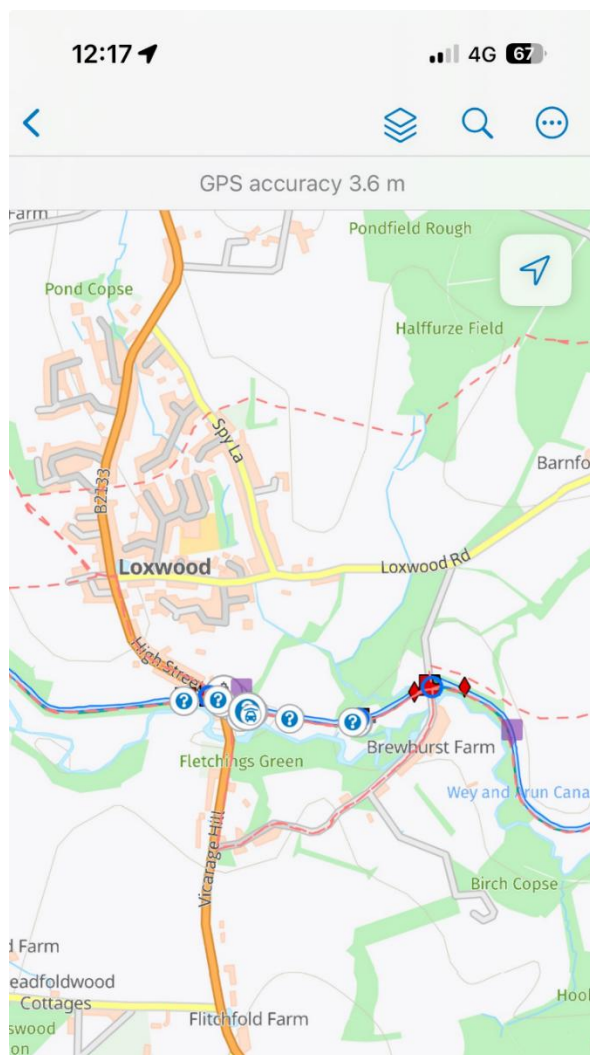


How to view WACT GIS on a mobile device

Introduction

WACT have produced a map of the key features of the Wey and Arun Canal using the ArcGIS software produced by ESRI. This map can be viewed by WACT members on a mobile device such as an iPhone, iPad or Android phone. This is particularly useful for those walking along the canal route and wish to see where they are (as shown by a blue dot) in the context of nearby features such as locks, bridges, information boards etc. The GIS is regularly updated to show, for example new projects and many of the features have a pop-up when touched on the screen, which provides further information about the feature and in some cases a picture as well.

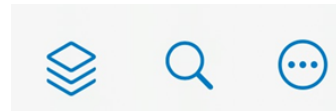


How to view the GIS Map

First install the ArcGIS “Field Maps” app from either the Apple Store or Google Play.

Assuming you have an internet connection, when you first open the App you will be presented with a screen entitled Maps and a list of sample maps. At the top is a search box.

To access the WACT GIS, type WACT into the search box. This will reveal a pink image called WACT Canal. When touched, the screen will then show a map of part of the canal route, which may take a few seconds to complete. You can then use a single finger to move the map to different parts of the canal and with two fingers to magnify or reduce the size of the image. The blue arrow in the top right when touched will centre the map on the location of the user at that particular time. This will be shown by the blue dot on the screen.



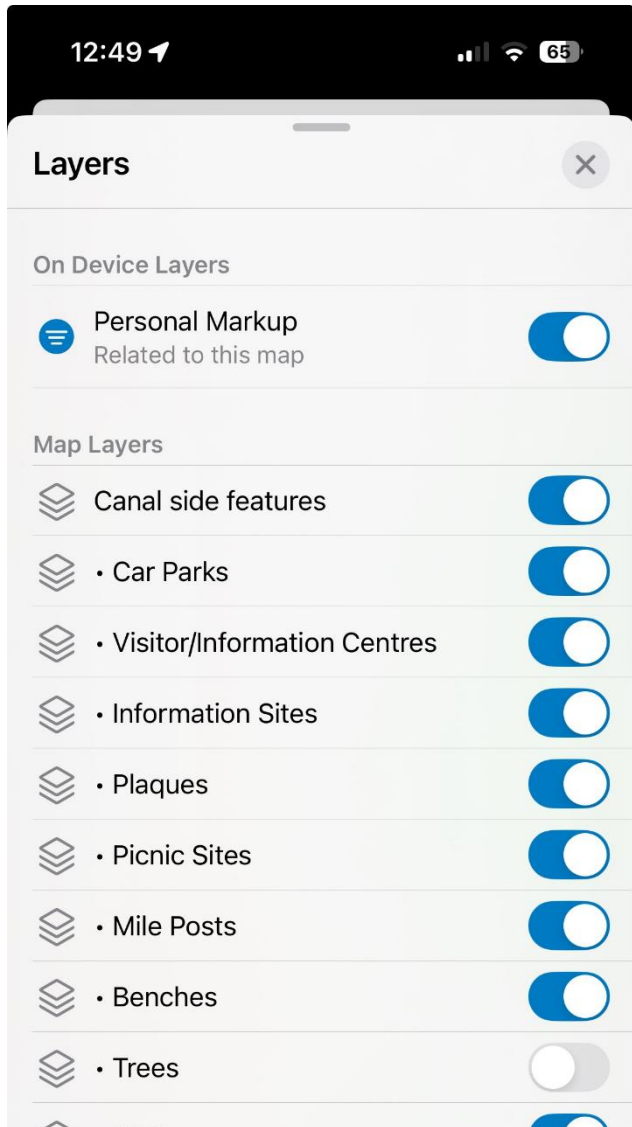
At top of the screen are three “buttons”:

1. the left one, when touched reveals details of all the layers that comprise the map
2. The middle one is a general search box which searches for items that are not necessarily specific to the WACT GIS and can be ignored.
3. The right hand button provides a list of options for getting more information from the map.

Further details about the use of the left and right hand buttons are described below.

Layers

When the layer button is pressed the list of layers will be displayed in a manner similar to that shown below. The layers are subdivided into three main groups:



1. Canal side features
2. Canal Channel
3. MM-500m_ofCanal

Child features of the above have a dot before the name of the child feature.

The canal side features include features such as:

- Information boards
- Mile posts
- Benches
- Visitor centres
- Picnic sites
- Walks
- Landing stages

The Canal Channel features is subdivided into three main sections:

- Current
- New projects
- Historic

The Current features comprise details of the restored sections of canal between Gennets Lock and Drungewick lock, restored and new bridges, other water features such as overflow weirs and culverts.

New Projects provide details of proposed and ongoing projects such as Ticker's Heath, Birtley, Rooks Hill and Elmbridge.

Historic features provide details of the original canal route and sites of locks and bridges. Details are also provided of the Vachery Leat route.

The third group MM-500m_ofCanal is normally turned off but provides more details of field boundaries, houses and roads etc within 500 m of the canal.

Where too much information is shown at one location the on/off slide on the right can be used to turn off particular layers, or conversely to turn them back on.

Options

The third options button on the right provides 6 options: These enable the following:

- To change the basemap to other maps provided by ESRI. Generally, there should be no need to change from the default given in the WACT GIS.
 - Bookmarks. These are predefined sections of the GIS which, when touched, may make it easier to jump to particular sections of the canal.
 - Legend. This lists the meaning of all the symbols used to define each layer in the GIS.
 - Measure. This can be used to measure the distance between two points on the GIS map.
 - Personal Markup. This will permanently put on the user's phone (until the GIS is next updated or cleared by the user) a red dot on the map which could be used to define a particular location of a point of interest, to share with others.
 - Share. This enables the current map being displayed to be shared using email or WhatsApp etc.
- The location of the user at that particular time will be identified by the blue dot.



Figure 1 Example of personal markup identified with a red dot

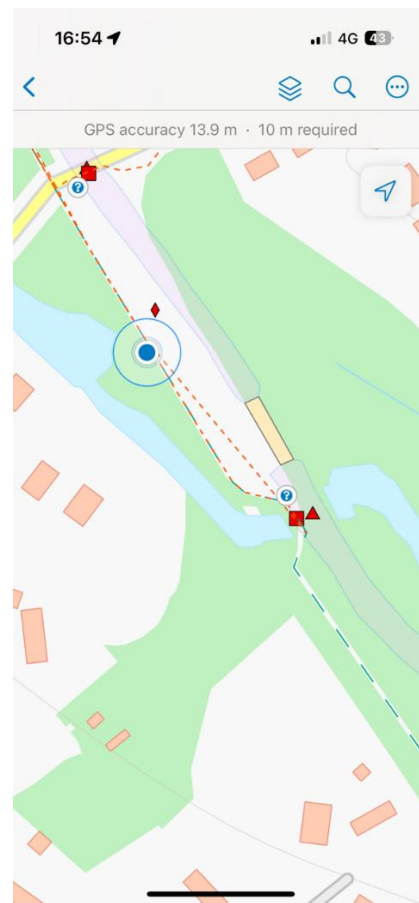


Figure 2 Example of user location identified with blue dot