How to download, open and use the waterway data

1. DOWNLOAD the (zipped) file from

   http://www.hansenpeter.nl/wp-content/uploads/2019/11/kmlwithobjects.zip

2. SAVE the file (kmlwithobjects.zip) somewhere on your computer, in a folder that allows you to UNZIP and then OPEN one (or all) of the waterways

3. UNZIP the file, so that all the different .kml files AND the .png files become accessible. The .kml files contain the data of all waterways, the .png files contain the icons for bridges, locks, tunnels etc.

4. To OPEN one (or more, or even ALL) of the waterways, select it (or them, or all) and then double-click. The double-click will open Google Earth and show the concerned waterways;

5. Then ZOOM in to the required level. All 'points of interest' (be it locks, bridges, tunnels, aqueducts, moorings, junctions a.s.o.) can be clicked on to reveal their NAME, the (minimally available) dimensions and some other data.

References

All data have been collected from public sources (Canal and River Trust, Waterways of Ireland, Scottish Canals) and verified by visual checks on Google Earth and other public sources.

The symbols used to represent waterway objects have been taken from Wikimedia Commons (Waterways), therefore allowing the same icons as found in Wikipedia pages for the waterways.

Disclaimer

Although all data, locations, dimensions, names and descriptions of the various objects in the British and Irish waterways have been collected, edited and assembled with the greatest possible care, errors and mistakes can NOT be excluded. Therefore the authors accept no liability whatsoever for any consequence of the use of these data. The safety of navigation remains the sole responsibility of the skipper/navigator, who can by no means rely only on these data to make decisions concerning his route, course, position in the waterway or any other aspect of navigation.

Publicly available data

We have tried to obtain as many publicly available data as possible. Unfortunately, CRT did not want to make public mooring data available in such a way that these data could be included. Therefore the user may find differences with regard to mooring information: not all visitor moorings may be included in the data set, whereas some moorings that ARE included may not be considered to be public moorings by CRT. We regret this, and we urge CRT to adapt its policies, so that such vital data for cruisers and boaters can be incorporated in a next version of this collection.

Free and open source

The waterway data are made available for free and the concept of the makers follows the convention of "open source" software and data (see also: https://opensource.org/). Use of the data and the technology is subject to the conditions and conventions of the open source community. A reference to the authors is required (http://www.hansenpeter.nl/british-and-irish-waterways is the correct reference).

Icon Legend

Icon	Description	Icon	Description
	winding hole		junction with other waterway
	VHF channel		junction with other waterway
	tunnel section		junction on left side
	tunnel entrance		junction on right side
	tunnel exit		crossing
	tunnel		lifting bridge (bascule)
	stop lock		swing bridge
	stop lock		bridge
	staircase lock		motorway bridge
	staircase lock		beginning of waterway
	lock		end of waterway
	lock		basin mooring (right)
	double lock		basin mooring (left)
	double lock		basin moorings (both sides)
	ship lift		aqueduct section
	ship lift		aqueduct entrance
	sea lock (tidal lock)		aqueduct end
	mooring		aqueduct
	marina (right side)		aqueduct
	marina (left side)		aqueduct
	mooring quays (both sides)		