

Accessing River Water Level Data from External Web Sites

Environment Agency

Data specification - what data you can get.

See

<https://environment.data.gov.uk/flood-monitoring/doc/reference>

Individual monitoring stations by County and River can be found here –

<https://riverlevels.uk/levels>

Note station name or number for accessing the data you want.

eg

Monitoring Station: Wansford **Environment Agency Location ID:** E2105

To see the levels data from each station change the ID number in the link below to your station ID.

You can request data can be in html or JSON format

The html is formatted as an environment agency web page, the JSON data is raw data that you can integrate into your own web page.

<http://environment.data.gov.uk/flood-monitoring/id/stations/E2105.html>

<http://environment.data.gov.uk/flood-monitoring/id/stations/E2105.json>

Historic Data

Historic data for the past week can be retrieved from riverlevels.uk, this is a more technical task than above.

You will need the name of the monitoring station your require.

This can be found on the river levels web page in the web address

For example the Nene at Wansford is

<https://riverlevels.uk/nene-wollaston-wansford-wansford#.Xg90kUf7Q-U>

The name of the station is in bold

eg https://riverlevels.uk/handlers/location_data.php?for=nene-wollaston-wansford-wansford&type=h

This raw data has to be retrieved from the riverlevels.uk server and saved to your own web server.

It can then be plotted on your web page.

For more details contact – secretary@dsjac.co.uk

Lake Monitoring

We use a Bushnell trail camera to monitor our main gate and recently lake water levels.

Bushnell Trophy Cam HD Wireless – part number 119598

It can take motion activated hi-res pictures or video storing them on an internal SD card and send a low-res picture as an attachment in an email. It is solar powered with battery backup.

You can trigger a picture to be taken by sending the camera a text message, we use this twice a day to monitor water levels.

This is automated by using an android app on a mobile phone to send the text message at pre-set times.

See - Do It Later – Google Play Store

The email and attachment are also sent to a free Web service which automatically posts a message and link to the picture on Facebook.

See - Zapier.com