

Westcountry CSI: Citizen Science Investigations

Training Pack 2: Using Cartographer



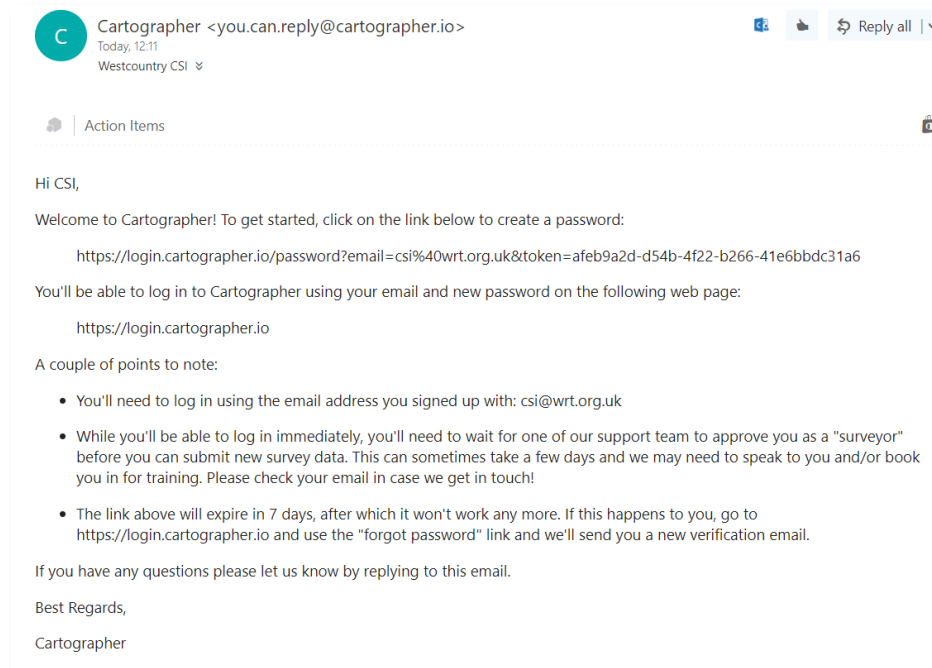


[Cartographer](#) is the website all our citizen science data is uploaded to. It's easy to use, and can be accessed from your PC or from your phone while you're out and about.

This training pack will go through how to use the site, along with some tips for filling in the survey form.

Getting Started

Once we've signed you up (just email csi@wrt.org.uk if you've not asked to be signed up yet), you'll receive an email like the one shown below. Please check your junk inbox as it may end up in there.



Click the first link (or copy into your browser).

You'll be prompted to set a password for your account and then will be taken to the Cartographer website. You'll need your email address and password every time you log in.

Note: the link will expire in 7 days, if you've missed it then just send a message to csi@wrt.org.uk and we'll resend the welcome email.

Adding a survey

When you're ready to upload a survey, click 'Home' at the top of the webpage.

Then click 'Add a survey' to the middle of the page.

The screenshot shows the user interface of the Westcountry Rivers Trust workspace. On the left is a vertical navigation menu with the following items: 'Home' (highlighted with a home icon), 'Surveys' (with a sub-item 'Westcountry CSI'), 'Maps' (with a sub-item 'Westcountry CSI'), 'Account' (with sub-items 'My account', 'Help (opens a new window)', and 'Contact support'), and 'Log out'. The main content area is titled 'Home' and includes a greeting: 'Hi Lydia Deacon. You are logged in to the Westcountry Rivers Trust workspace.' Below this is a navigation instruction: 'Navigate the site using the menu on the left. Click the ☰ icon in the top left corner to toggle the menu on/off. Read the [release notes](#) to find out what else is new.' The main content is divided into two panels: 'Browse Surveys' and 'View Maps'. The 'Browse Surveys' panel contains a blue button labeled 'Add a survey' which is highlighted with a red box. Below the button is a survey entry: 'Westcountry CSI Private survey'. The 'View Maps' panel contains a map entry: 'Westcountry CSI Shareable map'. A red arrow points from a red-bordered box containing the text 'Click Here' to the 'Add a survey' button.

You can either record your survey on paper and then upload on a computer later, or, if you have a data connection, you can go to the site on your phone and enter the data directly. The site can connect to the camera or gallery on your phone to upload photos.

Copy Survey

Once you have inputted a survey you can use the 'copy survey' button by going back to your previous survey.

This will take you to a new survey page with all the details from your previous survey copied over.

This is excellent for saving time. However, remember to change your variables!

The screenshot displays the Westcountry CSI web application interface. On the left is a navigation sidebar with the following items: Westcountry Rivers Trust, Lydia Deacon, Home, Surveys (with 'Westcountry CSI' selected), Maps (with 'Westcountry CSI' selected), Account (with 'My account', 'Help (opens a new window)', and 'Contact support'), and Log out. The main content area shows the 'Westcountry CSI Approved' header. Below this are two buttons: 'View on map' and 'Copy survey', with the latter highlighted by a red box and a red arrow pointing to a text box labeled 'Copy survey' button. To the right of these buttons is a 'Hide guidance' button. The 'Survey details' section contains the following information: Name of river/stream: Millook Water; Date and time: 08/01/2020 at 10:50, with a note 'The date and time will be saved as 08/01/2020 10:50.'; and Surveyor: Lydia Deacon, with a note 'The surveyor is a registered user of Cartographer.' Below the survey details is the Westcountry C.S.I. logo and the text 'Citizen Science Investigations'. On the right side of the page is a map titled 'Location' showing the Millook area, with a red dot indicating the survey location. The map includes standard navigation controls and a 'Leaflet | Terms & Feedback' footer.

Adding a survey

Now, enter the information you collected on your paper form. The online form should closely match the paper version. Here are a few tips:

River Name

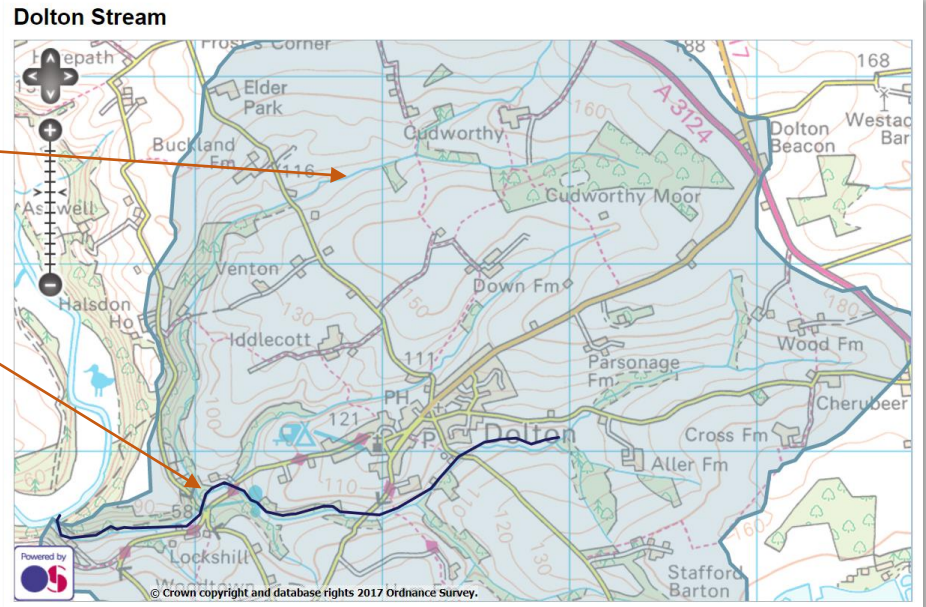
Try to use well-known names as much as possible. Some rivers will be named on the [Catchment Data Explorer](#), but others might need some local knowledge, or a little imagination! Zoom into the map and see if there is feature near the source of the stream.

For example: Dolton Stream is a named stream on the site, but the smaller streams feeding into it are not labelled. One of them has its source on Cudworthy Moor, so, if you don't know of any local names, you could call it 'Cudworthy Stream'.

'Cudworthy Stream'

Dolton Stream

We're trying to avoid lots of different streams being entered into the dataset as, for example, 'Tributary of the Fowey'.



Adding a survey

Location

If you know the grid reference or coordinates of your survey site, you can type them in to the box underneath the map. Use the dropdown box to the right to switch between British National Grid and Latitude/Longitude.

If you don't know the grid reference, but can find the location on the map, then zoom in and click the map to drop your marker in the right place. It can be moved around by clicking a new location. If it helps, you can switch between map view and satellite view using the globe symbol. If you've lost where you placed your marker, just click the pin symbol to re-centre the map.

Survey details

Name of river/stream


You should enter a river name.

Date and time

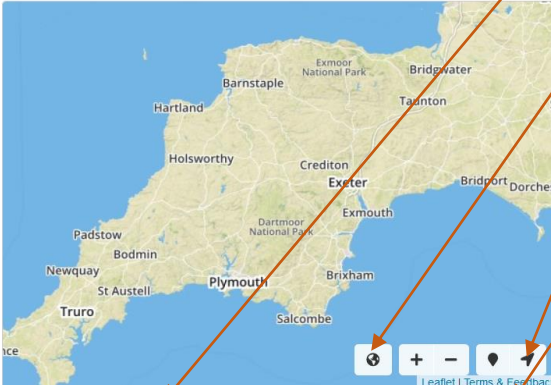
You should specify the survey date.
Date and time the survey data was collected in the field.

Surveyor

The surveyor is a registered user of Cartographer.



Location



10-digit NGR, e.g. TQ 12345 12345
You should enter a location.

Location extent of the survey. Click on the map or enter a 10-digit OS grid reference. Set the map mode to *Satellite* to zoom in further.

Enter grid ref

Switch between map and satellite

Re-centre on marker

Switch between grid ref and Lat/Long

Adding a survey

Photographs

Photographs are a really helpful addition to the survey, especially if you see anything unusual or interesting which doesn't easily fit into the form. Use with the notes box at the bottom to describe what you've found and to ask us questions. We also love to see pictures of Westcountry CSI in action!

You can upload up to 4 pictures to each survey, but you are always welcome to email additional photos to csi@wrt.org.uk.

We will tweet and instagram interesting findings and photos from @westcountryriverstrust. If you'd rather we didn't, just make a note in the notes box.

If you are regularly surveying the same site, why not take the same picture through each season?



Adding a survey

The following sections ask about what you've seen, including wildlife, invasive species, signs of pollution. More tips on these sections of the form can be found in the Westcountry CSI Field Guides.

Once you've completed 3 or more surveys, you can move onto also collecting water quality data, using some simple pieces of equipment we supply. Please email csi@wrt.org.uk if you would like to receive one of these packs. Instructions for these pieces of equipment will be supplied with the kit.

The kit includes:

- Turbidity tube – this measures how murky the water is. Brown, muddy water is a sign that soil is getting into the rivers. This soil is often contaminated with chemicals. This soil and sediment can also settle to the bottom, covering stoney or gravelly habitats which are important for lots of species including fish.
- Total Dissolved Solids probe – measuring TDS gives us an overview of the quality of water in the river, by measuring the level of inorganic salts. These salts may come from natural sources, but can also come from sewage or run-off from industry, agriculture and urban areas.
- Phosphate test kit – Phosphate is a nutrient used by plants, and is often applied to farms and gardens to improve plant growth. However, when it washes off into water, phosphate can cause some plants and algae to grow too much, outcompeting other plants and blocking out light.



Adding a survey

Finally, add some notes if you need to add anything or ask questions.

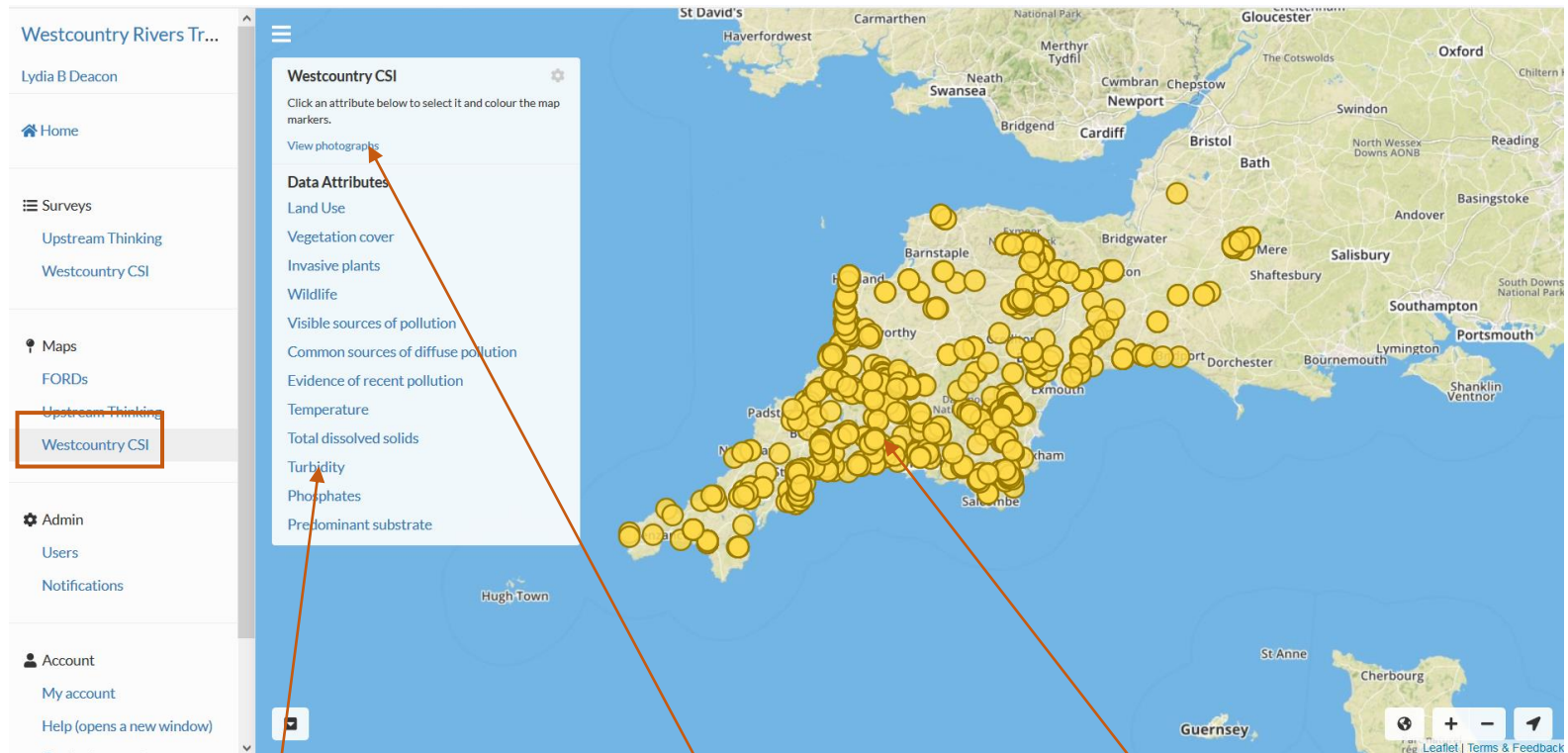
Then click 'Save Changes' – you can either save as a 'Draft' if you're only part way through, or save as 'Complete'.

Here at WRT we check the surveys and save them as 'Approved'. They will then be visible on our website – please only include details you are happy to be visible to the public. If you need to update any personal details, please email us instead (csi@wrt.org.uk).



Exploring the map

To explore the data which has been uploaded by the whole CSI community, click 'Map' at the left side of the webpage.



Explore graphs of the data – click each section to see results

See photos

Click a point to see individual results

Get in touch

If you have any questions, or would like to know more, please email csi@wrt.org.uk

Thanks for being part of Westcountry CSI

