Chase & Chalke LiDAR Portal

# Cranborne Chase Lidar Portal Training

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### **Getting Familiar with the Map**

Before you begin dive into the detail of the landscape take some time to play with all the functions of the digital map. The map functions are quite intuitive but we have set out the specifics below accompanied by a short video.

#### To zoom in and out:

- use the and + icons in the top right corner
- use the rollerball of your mouse
- click and drag the mouse wheel to draw an area of interest
- use a pinch action on your touchpad or touch screen

#### To move the map:

- click and drag with the left mouse key
- tap and drag on a touchpad

#### To search for a postcode, placename or national grid reference or HER monument:

https://www.youtube.com/watch?v=d9FeHIhLOgs

- click on the magnifying glass at the bottom of the layer menu
- enter your search term e.g. Chettle
- select the layer you want to search from the drop down menu
  - UK places
  - Postcodes (without spaces e.g. SP55DH)
  - National Grid References (e.g. ST 9524 1343)
  - Easting and Northing (e.g. 405118,121019)
  - HER Monuments to search a monument name or unique ID (Rotherley or MWI2627)

#### To measure a distance:

#### https://youtu.be/lJp6awhbfPl

- click on the ruler icon at the bottom of the layer menu
- click on the map to start measuring
- double click to stop
- the length of the line in metres will be shown in the pop-up
- click the red cross to close the pop up and the measure tool

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To change a layer's visibility:

• click on the checkbox beside the layer name to switch a layer on

#### Basemaps

- you can adjust the transparency of any basemap using the slider below its name
- for comparison of two basemaps you can open any basemap in a keyhole window

https://youtu.be/LUD7nLm5XoQ

### What's on the map?

As well as the lidar hillshade and local relief model visualisations, the map contains lots of additional information to help you read the landscape. **Switch any map layer on by ticking the box beside its name**.



There are three types of information layers; background imagery, data layers, and feature layers.

#### **Background Imagery**

Background layers appear in the order they sit in the layer menu which means that **only the topmost** layer will be shown at any time. For the three lidar layers and the OS second edition you can **adjust the transparency** using the slider beneath the layer name to blend it with the layer below.

- Lidar DSM hillshade
  - shows all vegetation and buildings, good for context)
- Lidar DTM hillshade
  - shows ground only, good for context and microtopography
     I the wonuments () lidar local relief model () lidar local
- Lidar LRM
  - best for subtle microtopography, e.g ploughed features
- Ordnance Survey 2nd Edition historic map
  - c.1900, supplied by the National Library of Scotland
- Aerial photography
  - Supplied by Microsoft Bing © Vexel Imaging
  - Modern Ordnance Survey Map 1:25,000
    - Supplied by Microsoft Bing © Ordnance Survey





#### Comparing two layers

You can use the keyhole tool to compare any two basemaps. Click the icon to open the window to see the layers adjacent to each other.

The keyhole window can be moved and resized to change the view.



https://youtu.be/LUD7nLm5XoQ

#### Data Layers

Data layers contain information about features that have already been recorded. We use polygons and points to represent these features and provide url links to their full record in external websites.

- Sample Lidar Transcriptions
  - shows features transcribed in four sample areas of the Cranbourne Chase lidar by our specialist
  - clicking any feature opens its record
- Historic Environment Record
  - shows contains combined point data from Dorset, Hampshire and Wiltshire HERs)
  - clicking any feature on this layer links to the full monument record in a new tab
- Scheduled Monuments
  - shows the extent of scheduled monuments from Historic England
  - clicking a feature on this layer links to the full monument record in a new tab sample

#### Below: Lidar transcriptions Her Feature points Scheduled Monument Areas. Click any feature on these layers in the portal for more details





#### Feature Layers

Feature layers contain the transcriptions made by the volunteer community using the Cranborne Chase Portal



- My Features
  - shows a filtered layer containing only the features you have created
- Reviewed Features
  - shows a layer containing all features from the community that have not yet been reviewed by the core team
- Unreviewed Features
  - shows a layer containing all features from the community that have been reviewed by the core team

## **Recording Features: The Data**

Once you have identified a feature of interest you need to record some details about it in the record form on the left of the map. Below is a description of each piece of information we'd like you to record.

It is best to record the feature data before drawing a boundary around it on the map so that you can continue to freely play with the map layers while typing.

	Record your observations of the feature. Points to include are: - size and shape - topographic form	
Description	<ul> <li>relationship to other features</li> <li>notes on land use or preservation</li> </ul>	Use the map measurement tool to collect feature dimensions
	Where relevant please note environmental factors that may affect the presentation of the feature in the lidar e.g heavy scrub cover, ploughing, erosion	
Site Type	Pick a broad site type from the drop down list.	e.g. Bank (Earthwork) Ditch Enclosure Field Systems Mound Pit/Hollow Routeway Settlement Uncertain / Other
Monument Type	Define the site more closely if possible, picking from the drop down list. The options in the list are determined by the <b>Site Type</b> category selected above.	(Routeway) e.g. Drove Road Hollow Way Road Trackway
Possible Period	Allocate a period to the feature if known. Note that we don't expect that all features will be given a period, use this only where there is a reasonable analogy to a dated example.	Choose from Prehistoric, Neolithic, Bronze Age, Iron Age, Roman Saxon/Early Medieval, Medieval, Post-medieval, Modern, C20th, Unknown
HER Number	If this feature relates to an existing HER record, add the unique ID of that record here.	e.g. MWI5761
Site Visit?	Do you think that the interpretation of this feature would be further enhanced by a walkover survey?	

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The Chase and Chalke team will use this information to prioritise field survey so think about what might be gained from ground level observations.

Background Layers Used	Check the background layers that were used to identify the feature.	DSM hillshade DTM hillshade LRM OS 2nd Edition Aerial Photos
Comments	Use this free text field to record any additional information that might help the review team to understand your record.	e.g. western edge due to heavy und

e.g. western edge of feature unclear due to heavy undergrowth

Your username, the date and a unique ID number for the feature will be recorded automatically.

#### **Example Records**

Below is a sample record created by our core team to help you read the landscape.





There are sample records created for a selection of test areas near Chase Woods, Knighton Hill, and Martin Down. Browsing these example records in the map will help you to get a feel for what needs to be recorded.

### **Recording Features: Mapping a Feature**

Once you have added the feature data to the record form it's time to put it on the map. We will do this by drawing a shape around the visible extent of the feature(s) being recorded.

Only one map feature is allowed per record so make sure that the polygon you draw has all the relevant features inside.

#### Drawing a Polygon

- Zoom and pan the map until your target feature is comfortably at the centre of the window
- 2. Select the draw polygon tool
- 3. Click to start drawing your polygon
- 4. Double click to close the polygon

If you are are happy with the polygon extent it's time to submit your record.



#### **Changing the Polygon**

Please note that you can only re-draw the polygon **before you submit the record**.



If you would like to redraw your polygon you must delete it by:

- 1. clicking on the select tool (white arrow)
- 2. clicking on your polygon to select it (it will change colour)
- 3. clicking the delete tool

Your map feature will be removed ready for you to re-draw it.

Watch a video of the whole process of recording a feature here: <u>https://youtu.be/8g6gn4Cavns</u>

### Help! I've made a mistake!

Once you have added a record to the map it is not possible to edit it. We know this might seem a bit annoying but there are two very good reasons for this:

- 1. It allows the feature review process to be simplified and therefore more efficient
- 2. Studies have shown that it encourages users to carefully consider the record before committing (sorry!)

You can send information through to the review team in two ways.

#### Made a mistake?

At the bottom of the feature record form is a section titled Made a Mistake?

Clicking on this link will open a google form for you to fill out that notifies the review team.

- Veal	
F	Reporting an Error - Cranborne Chase Lidar Portal
s	ign in to Google to save your progress. Learn more
*	Required
N	Name *
Y	our answer
E	imail *
Y	'our answer

Please use this to notify the team of a mistake.

#### Add more information

Each saved record has a comment function which you can use to add more information to a record.

Watch the process of submitting a mistake form here: <u>https://youtu.be/dV8rV0N1Zsw</u>