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Please note that the images used in this guide have been taken from existing instances of the software and are used for the purpose of illustration only and may therefore contain variations in content, layout or labelling from the current version of the software.

## Introduction

Arches for HERs is a new platform for Historic Environment Records (HERs) which incorporates both an inventory system as well as a new heritage management tool: the Consultations resource model.

Arches is an open source software platform and freely available to cultural heritage organizations for recording and managing the historic environment, Arches was developed jointly by the Getty Conservation Institute (GCI) and World Monuments Fund (WMF) for independent deployment by any cultural heritage institution. Institutions that deploy Arches can create digital inventories that describe types, locations, extent, cultural periods, materials, and conditions of heritage resources and define the numerous and complex relationships among those resources. Each subject

or theme has its own Resource Model - an environment dedicated to its recording equipped with subject-specific terminologies and attributes. These Resource Models are:

<b>Activity</b> 	<p>Used to record events relating to a particular Heritage Resource. Activities can be used to give context and meaning to the records of monuments or areas. They provide information on 'how we know what we know' (for example investigative activities or research and analysis) or on how a particular Monument or Area has been managed through time (management activities).</p>
<b>Application Area</b> 	<p>An area of land which is subject to a planning application and as such may have an impact on the historic environment or the setting of monuments.</p>
<b>Area</b> 	<p>Used to record complex human-made, or human conceived, sites, areas or landscapes. Areas can be anything from a simple prehistoric settlement site (evidenced by a few flint-working fragments) to large-scale, urban conservation areas incorporating multiple assets within a city. The use of Area or Monument will be a question of granularity.</p>
<b>Artefact</b> 	<p>Defines information relating to the character of man made items of heritage significance as identified by the Portable Antiquities Scheme</p>
<b>Bibliographic Source</b> 	<p>Covers documentation of references to bibliographic sources of information held outside of the information system.</p>
<b>Digital Object</b> 	<p>Used to record 'born digital' files, images and documents which provide information relating to a resource.</p>
<b>Heritage Story</b> 	<p>Used to record thematic stories (usually associated with an historic event or period) which can provide more detailed background to the monuments, areas and artefact. The Heritage Story creates a user-friendly story which helps place the assets in their context within the historic environment.</p>

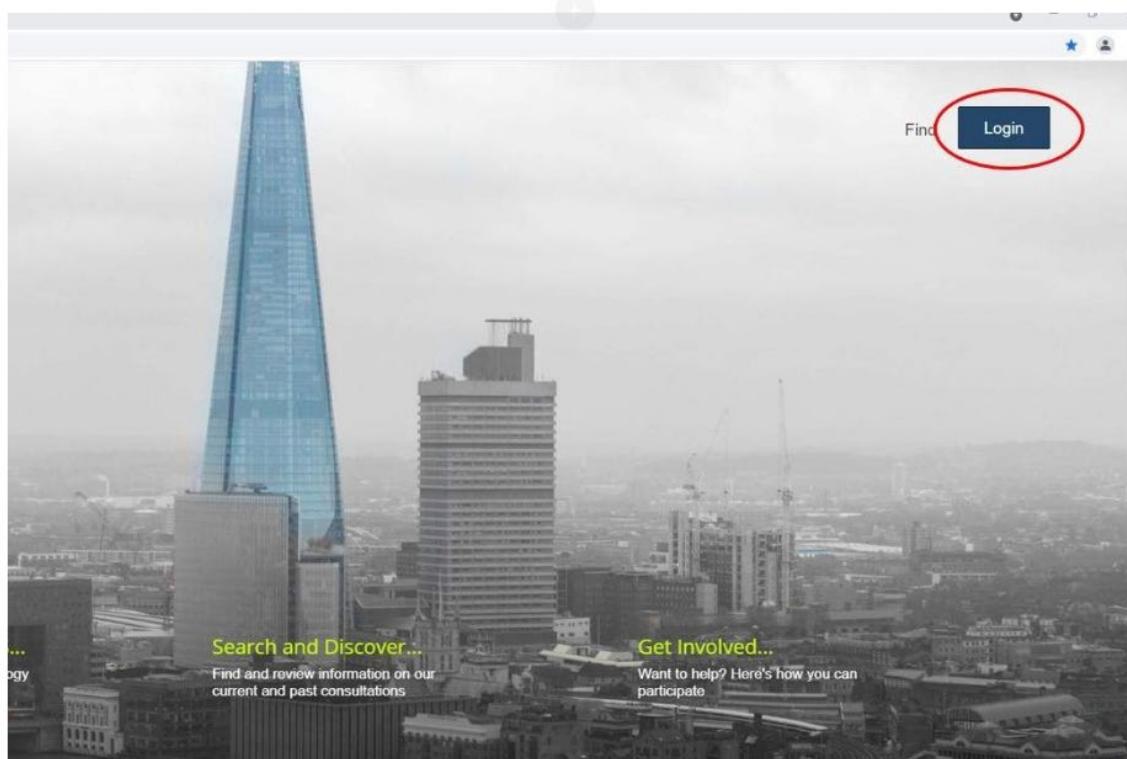
<p><b>Historic Aircraft</b></p> 	<p>Used to record the details of historic aircraft which are either retained as monuments (eg. Museum exhibits or Gate Guardians) or have been identified through the discovery of associated crash sites. A monument record should be created for the crash site where known.</p>
<p><b>Historic Landscape Characterization</b></p> 	<p>Used to record areas of the historic landscape. Historic Landscape Characterization is a method of identifying and interpreting the varying historic character within an area that looks beyond individual monuments as it brings together an understanding of the whole landscape and townscape.</p>
<p><b>Maritime Vessel</b></p> 	<p>Used to record the details of historic vessels which are either retained as monuments (eg. Museum Ships or Memorials) or have been identified through the discovery of associated wreck sites. A Monument record should be created for the wreck site where known.</p>
<p><b>Monument</b></p> 	<p>Used to record built works, human-made structures and human-modified features. These can range from a single post box to a palace complex. The use of Monument or Area will be a question of granularity.</p>
<p><b>Organization</b></p> 	<p>Used to describe a group, institution or organization associated with a heritage resource. Organizations can either be current (eg. owners, developers etc) or historic (eg. former companies, regiments etc.).</p>
<p><b>Period</b></p> 	<p>Used to record the details of historic and cultural periods which a heritage resource may be associated with. A period is a spatio-temporal extent.</p>
<p><b>Person</b></p> 	<p>Used to describe individuals associated with a heritage resource. A person can either be current (eg. owners, developers etc) or a person of historic interest (eg. an author who formerly lived in a heritage resource).</p>
<p><b>Place</b></p> 	<p>Used to record places as resources.</p>

# Accessing the application (for Reviewers/Editors)

**Note:** Arches for HERs works best on Firefox or Google Chrome. The use of Internet Explorer or Edge may impede functionality.

**Login to the web-based Arches for HERs via the appropriate instance URL .**

**Select 'Login' in the top right-hand corner of the page**

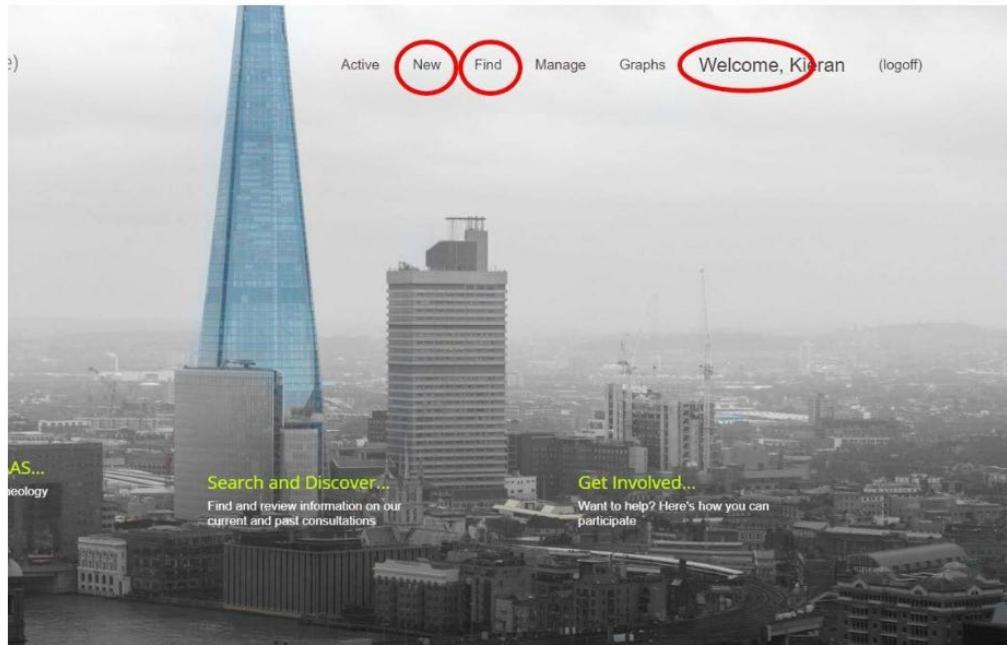
A screenshot of the Arches sign-in page. The page has a light gray header with the text 'Sign In'. Below the header, there's a message: 'Sign in to Arches to access your data modeling, editing, and discovery tools.' There are two input fields: one for 'Email' containing 'KByrne' and one for 'Password' with a masked value. Below these fields is a large blue 'Sign In' button. Underneath the input fields, there are links for 'Forgot password?' and 'Create a new account'. At the bottom of the page is a link 'Learn more about Arches'.

**Enter your login details and select 'Sign In'**

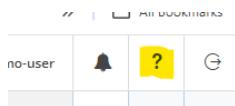
**The landing page will reappear with additional options available to you, depending upon which roles have been assigned to your user account.**

**To create a new resource without first searching the database, select *New*.**

**To retrieve data using one of several search options available, select *Find*.**



Access to your User Profile, where you can change your contact details and password, can be gained by selecting the **Welcome ...** option.



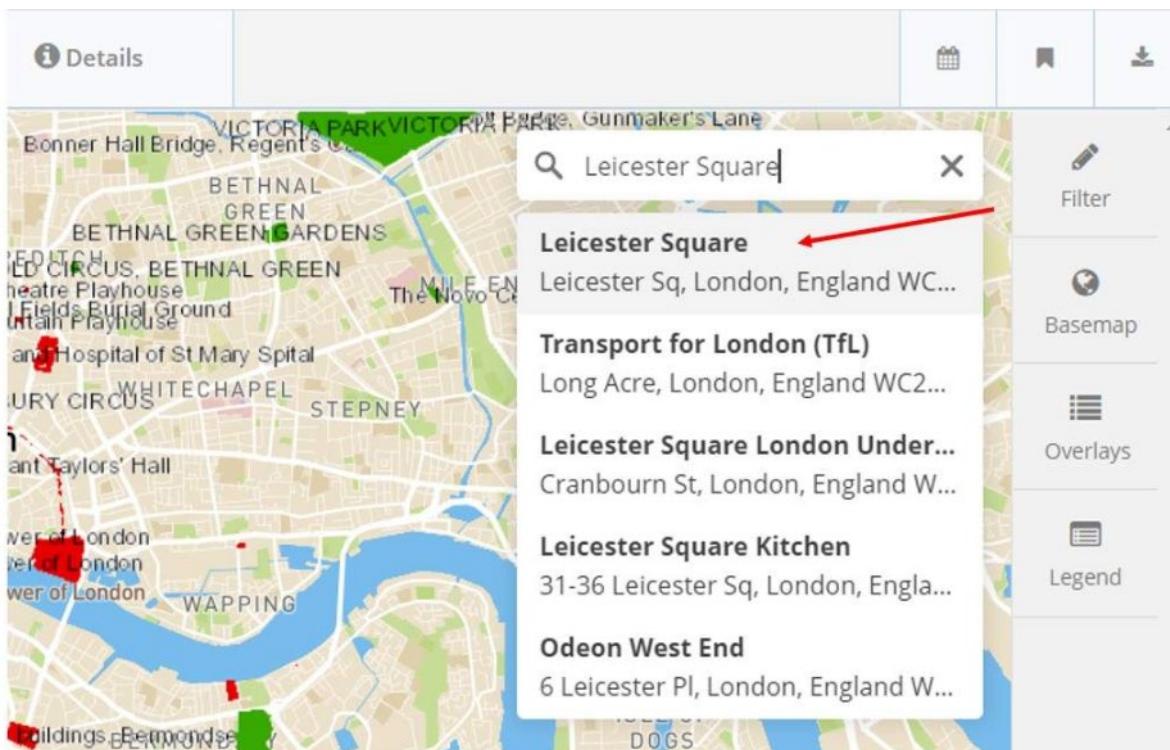
Note: Help and guidance are available via the **?Help** icon in the user interface. Please note that illustrations in this guidance may represent previous versions of the software.

## Map Search

**Please note that the basemaps, layers and features pictured below are only representative of the applications used in the compilation of this guide and appear here for illustrative purposes only.**

The Map Display is equipped with a **Find an address...** box in the top right-hand corner.

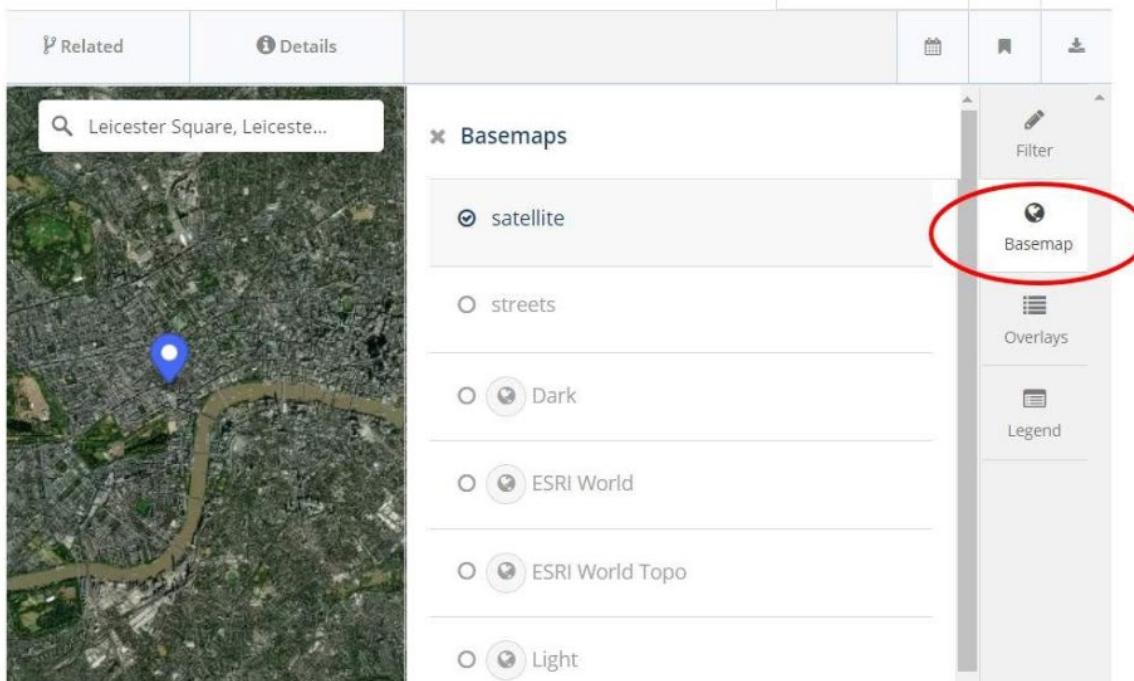
**Insert a place name, part of an address, a Post Code etc. A list of matching locations will be displayed.**



**Select a location and the Map Display will zoom to the selected location.**

The appearance of the map interface and the data displayed can be customised by the user. On the right of the interface are control panels for selecting the Basemap and Overlays.

Selecting **Basemaps** allows you to choose from a number of mapping options, including streets, OS Mapping and Aerial Imagery.



Selecting **Overlays** will display a menu of the layers currently available and, if highlighted, visible. These layers can be switched on and off by selecting or de-selecting.

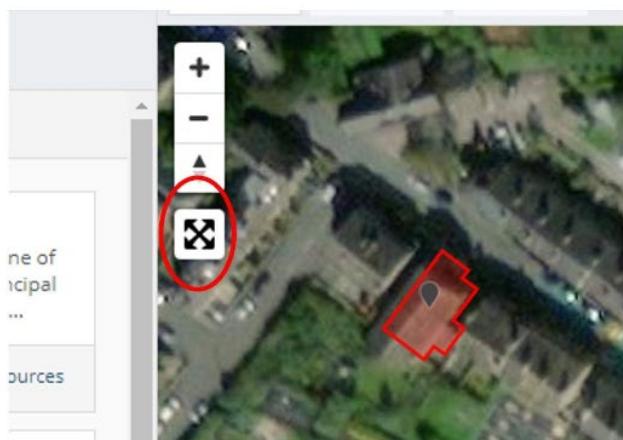
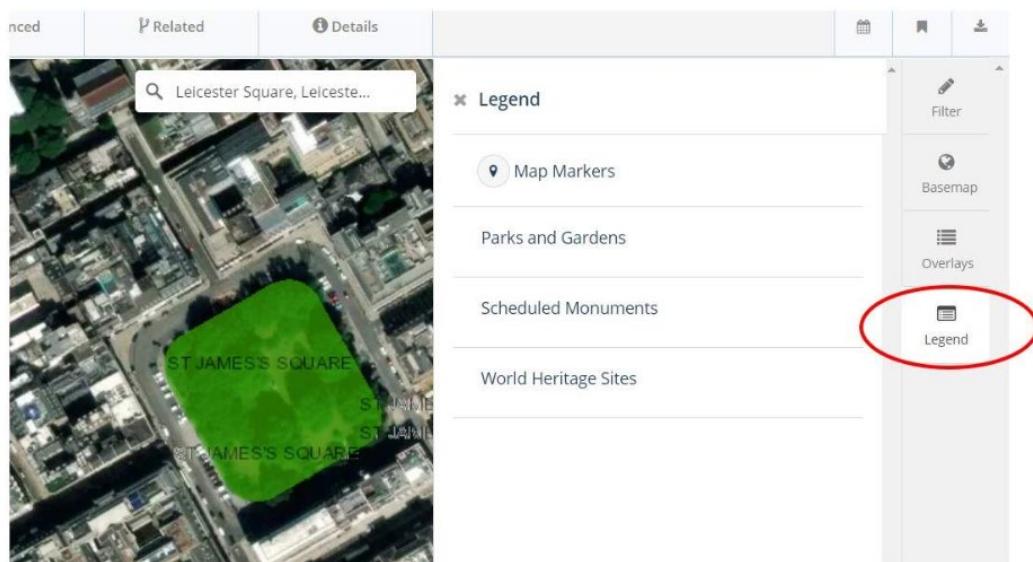
The screenshot shows a satellite map of a central London area, specifically around St James's Park and Trafalgar Square. Several green and yellow overlays are visible, representing different geographical features. On the right side of the screen, there is a sidebar titled "Overlays" which lists various layers that can be turned on or off. The "Overlays" button itself is circled in red, indicating it is the active tab. Other listed layers include Contours, Battlefields, Listed Buildings, Parks and Gardens, Scheduled Monuments, World Heritage Sites, Activity - Geospatial Coordinates, and Application Area - Geospatial Coord...

The transparency of features in a layer can be adjusted using the control in the **Overlays** tab.

This screenshot shows a satellite map of St James's Square in London. A large green overlay represents the park area. On the right, the "Overlays" tab is selected in the sidebar. Under the "Parks and Gardens" entry, there is a horizontal slider with a blue dot and a red arrow pointing to the right, indicating that the transparency of this layer is being adjusted.

**Additional Basemaps and Overlays can be added to the application. Please contact your System Administrator for more information.**

The **Legend** tab provides a summary of the layers currently activated.



The **Toggle to Full Screen** icon allows you to hide the Search Results panel on the left of the screen, increasing the visible map area.



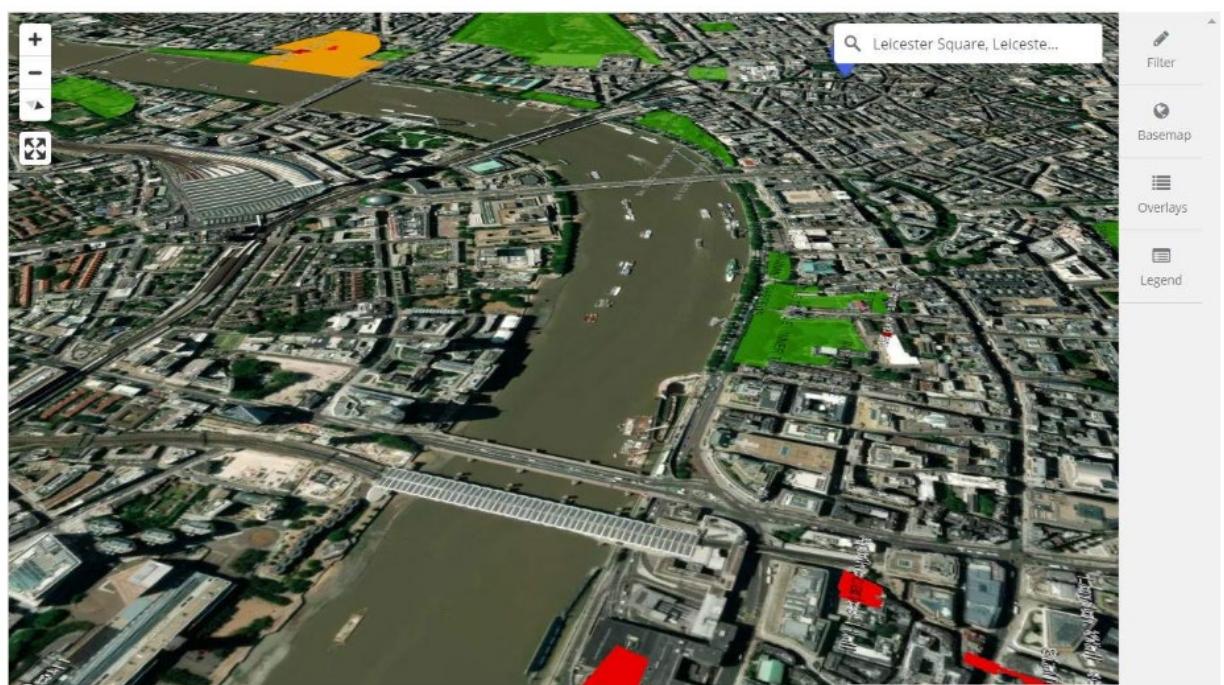
Re-select the icon (now inverted) to restore the initial view (or use the *Esc* key on your keyboard).

**Tilt and Rotate:** By holding down your right mouse button and drawing your cursor backward and forwards you can tilt the basemap and features. By drawing the cursor left and right, you can rotate the basemap and features.

Tilt ...



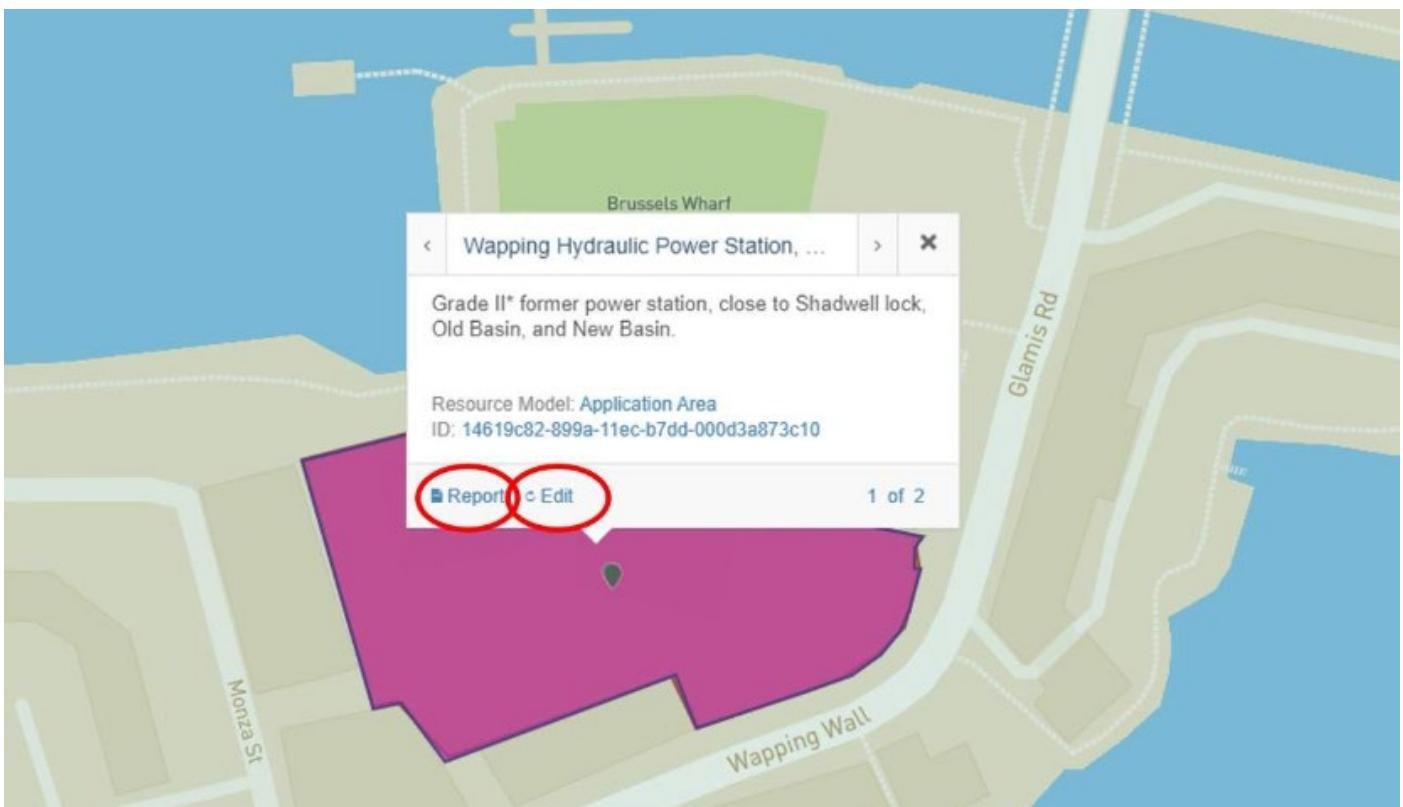
Rotate ...



Selecting the *Reset Bearing to North* icon will return the basemap and features to their original orientation.



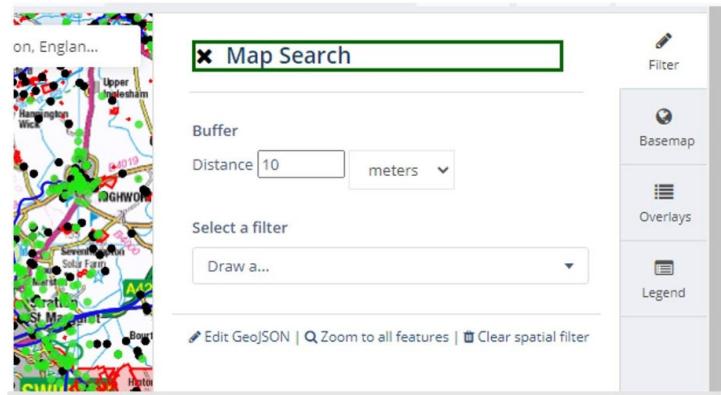
Selecting a feature from the map using your cursor will open a pop-up box displaying attributes for that specific feature to aid identification and allow the selection of options such as Edit (for Resource Managers) and Report.



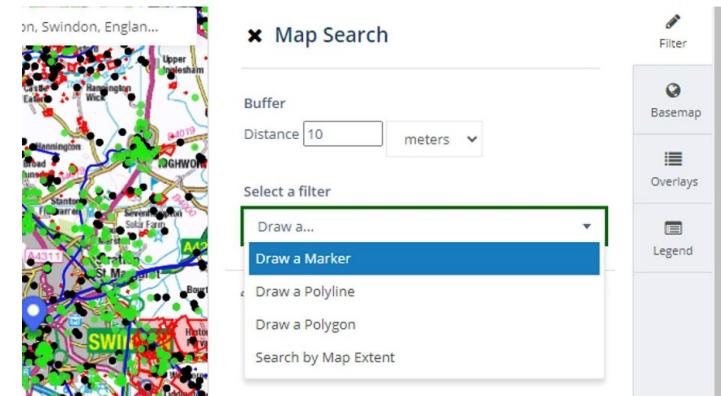
Selecting the **Report** option opens a Resource report containing the resource's textual record in a new tab.

# Map Search Tools

In the vertical menu on the right side of the map display area is an option called Filter that contains a number of tools for defining a search area, with or without a measured buffer. Select the icon to open the tool options, and again to close.

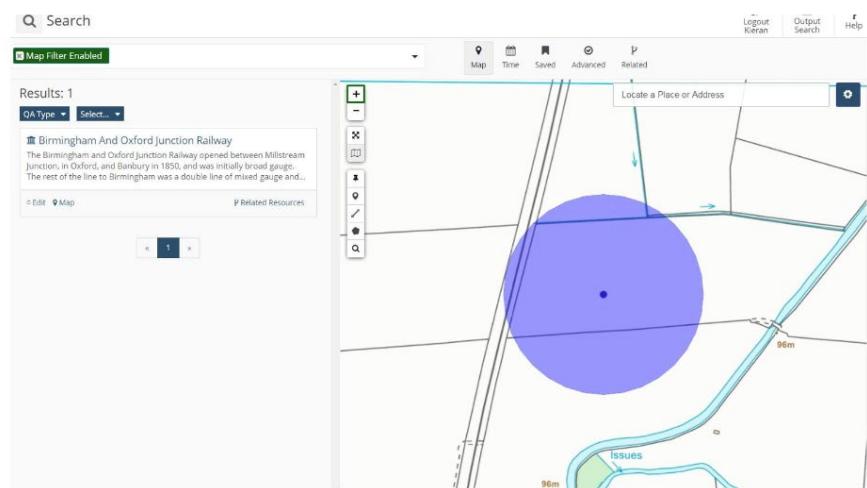


If you wish to add a buffer, in metres or feet, to your drawing, edit the Distance (or delete the default value if you don't require a buffer) and select the appropriate measurement unit from the drop-down.



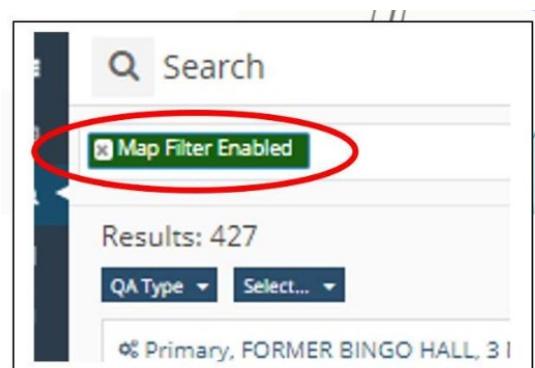
## Draw a Marker

A Marker is a point on the map selected manually. Having defined an appropriate buffer, place your cursor on the desired location. A single mouse-click will render the search area and filter the database.

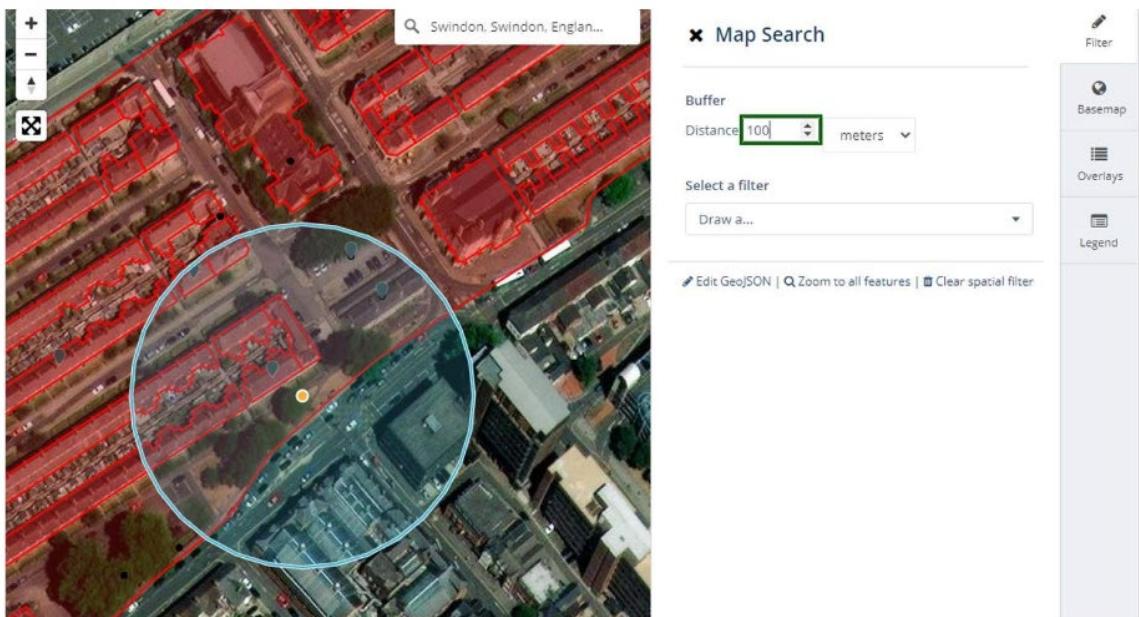


The map will immediately zoom to the specified search area and the Results panel will display those records retrieved.

To begin a new search, remove the *Map Filter Enabled* label from the field at the top of the Results panel.



Once the drawing has been rendered, you can change the buffer value if you wish. The drawing will automatically update to incorporate the new buffer value. This also applies when defining a search area using polylines and polygons.



If you wish to place your marker at a specific coordinate-defined location, it is possible to manually edit the GeoJSON code describing an existing marker. First place a new marker on the map using the drawing tool .



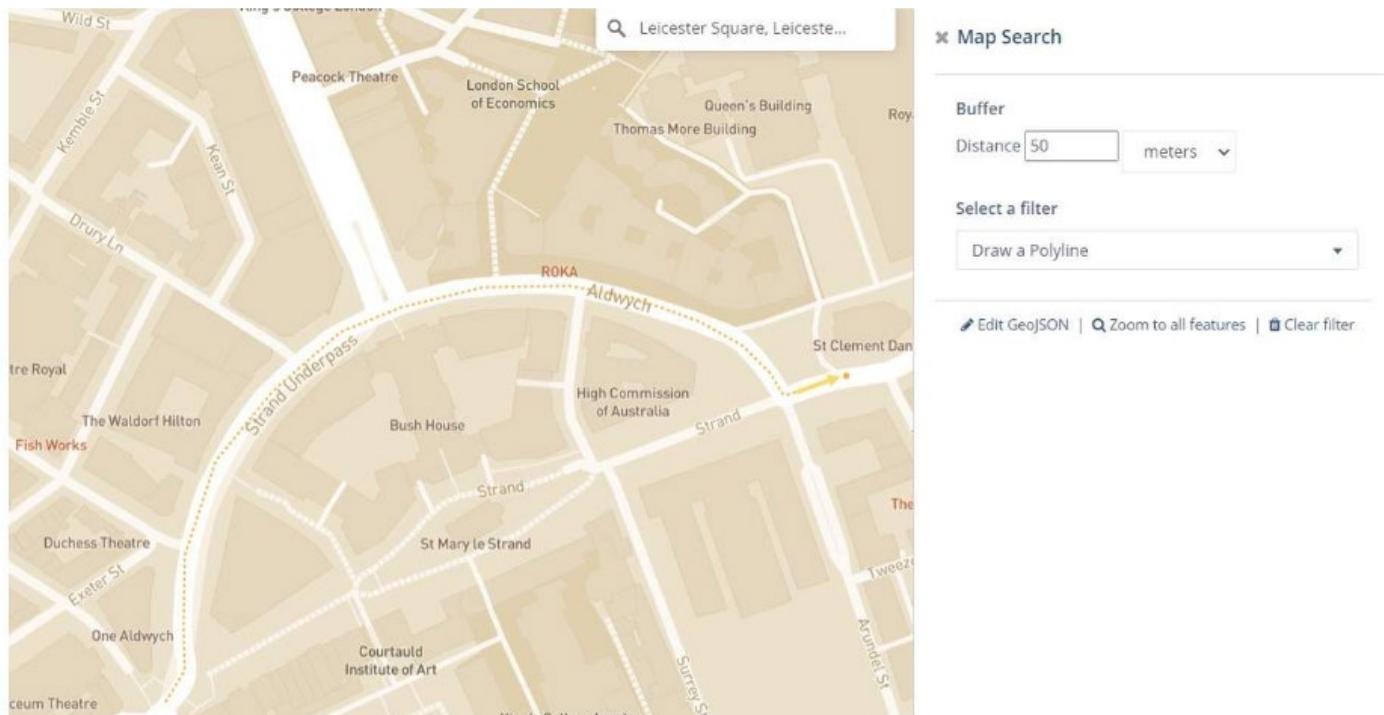
Select the **Edit GeoJSON** option from the Edit tab. This will open a panel displaying the GeoJSON code string for the new marker.



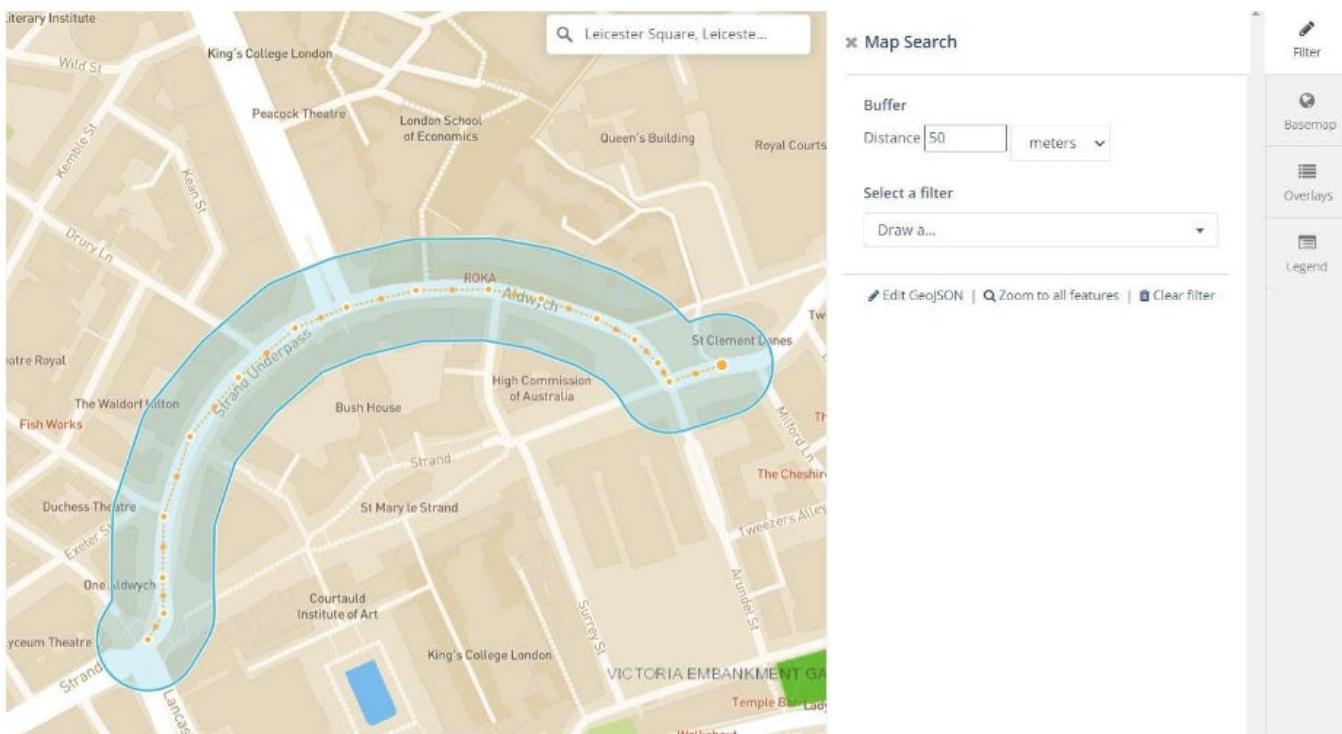
In the code string, replace the existing Decimal Degree values to place the marker at your new location. Select **Update Features**. The marker will be moved to the new coordinates.

## Draw a Polyline

Beginning with a mouse-click, use the cursor to draw your line, committing each node, or vertex, with a mouse-click and finishing your drawing with a double-click. When the drawing is complete, the search area will be rendered, including any buffer value added, and the Results panel populated.



Your polyline, with any associated buffer, will define your search area. The Buffer value can be edited to enable modification of the search area.



## Draw a Polygon

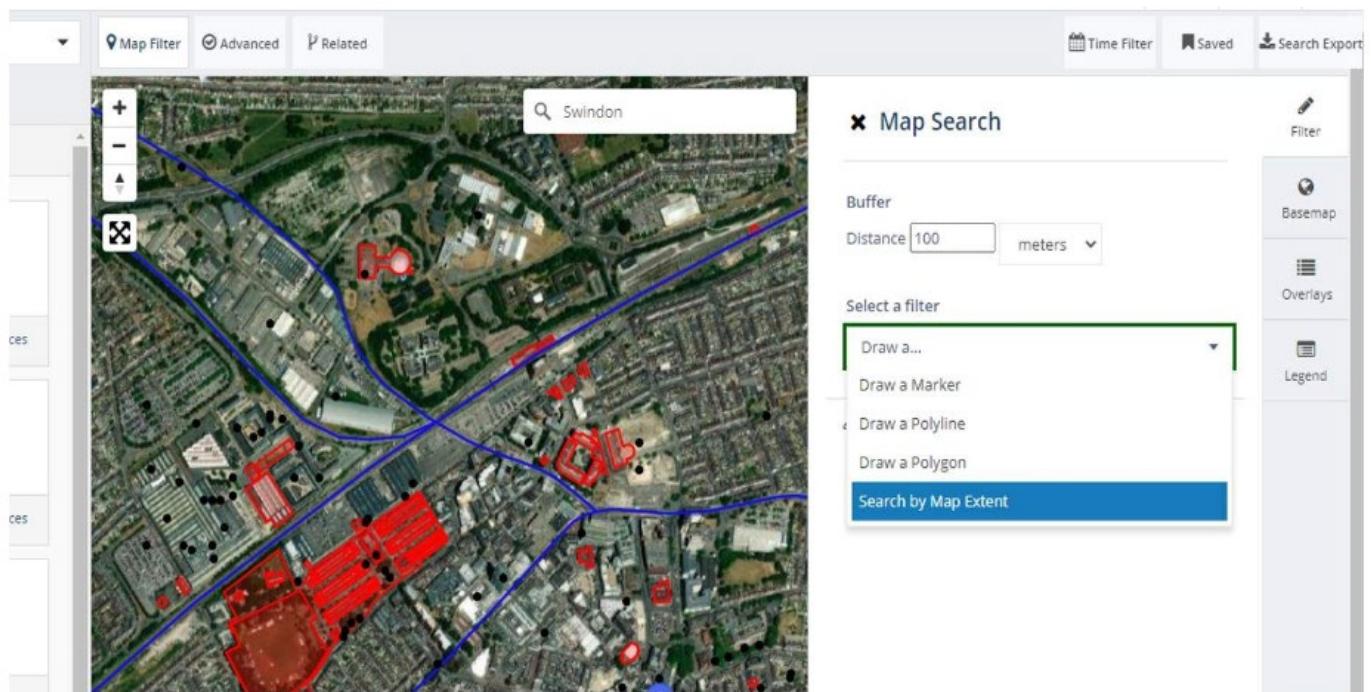
Use your cursor to define your search area, committing each vertex, or node, with a single mouse-click and finishing your sketch with a double mouse-click. When the drawing is complete, the search area will be rendered, including any buffer value added, and the Results panel populated.



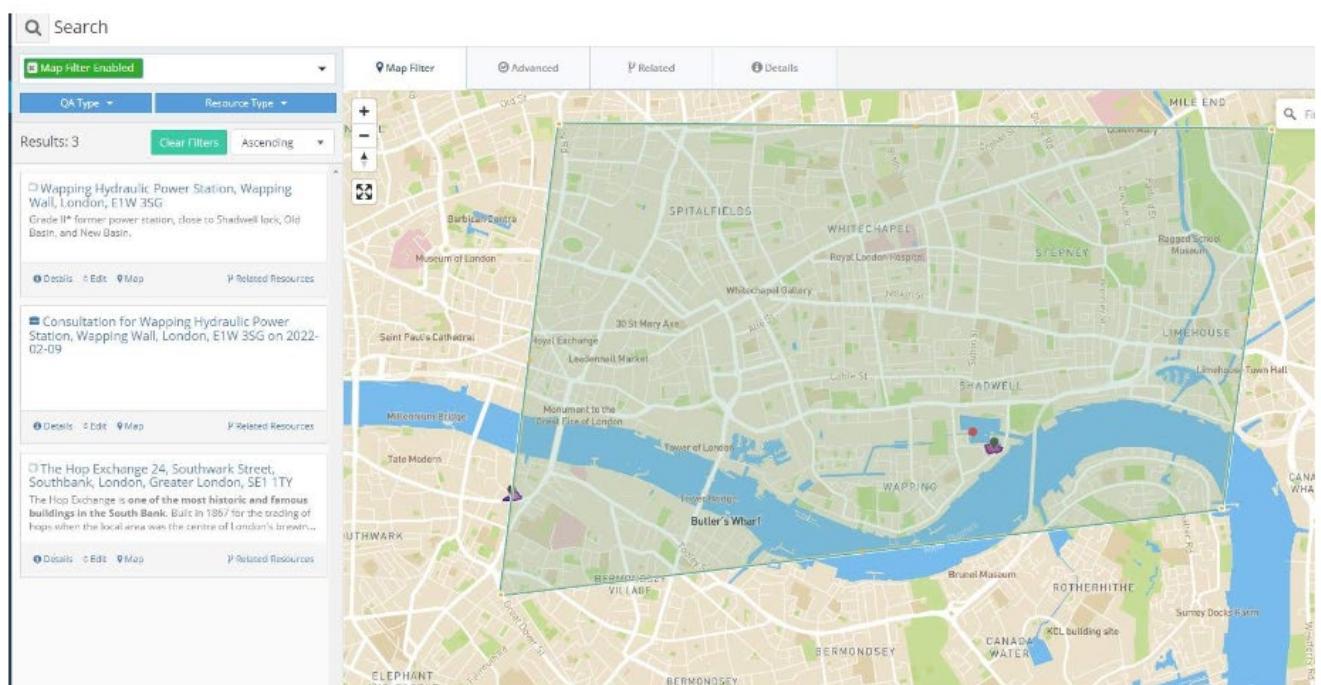
Your polygon, with any associated buffer, will define your search area. The Buffer value can be edited to enable modification of the search area.

## Search by Map Extent

Selecting the Search by Map Extent option will retrieve all the records visible in the current map extent.



Once the Map Filter is enabled, the Results panel on the left of the screen will filter to display only those Resources selected via the map interface.



Search

Map Filter enabled

QA Type Resource Type

Results: 3 Clear Filters Ascending

Wapping Hydraulic Power Station, Wapping Wall, London, E1W 3SG  
Grade II\* former power station, close to Shadwell Lock, Old Basin, and New Basin.

Consultation for Wapping Hydraulic Power Station, Wapping Wall, London, E1W 3SG on 2022-02-09

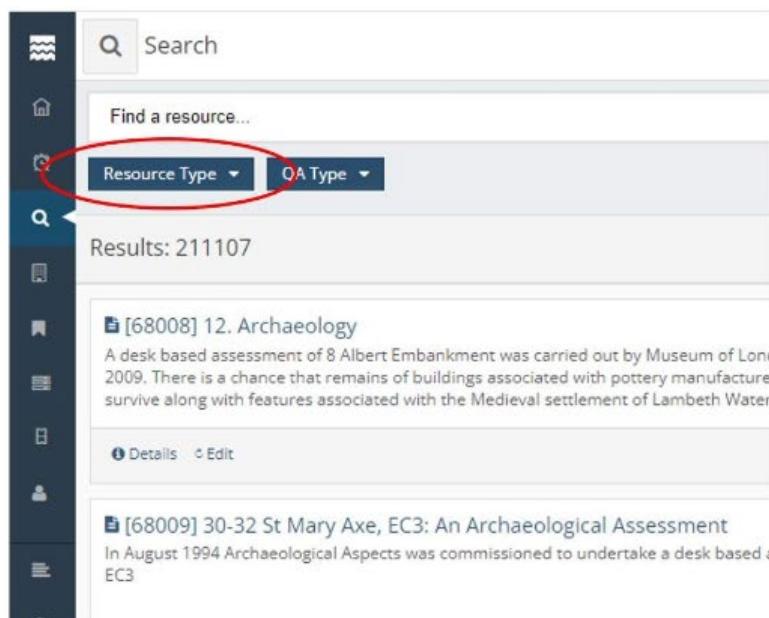
The Hop Exchange 24, Southwark Street, Southbank, London, Greater London, SE1 1TY  
The Hop Exchange is one of the most historic and famous buildings in the South Bank. Built in 1867 for the trading of hops when the local area was the centre of London's brewing...

Map Filter Advanced Related Details

Map

# Quick Search

Within the Search interface on the left-hand side of the screen is a list of records. This represents an unfiltered list of all available Arches for HERs resources. The list will diminish each time a search filter is applied. There are several methods by which we can apply simple search criteria to filter this list of resources.



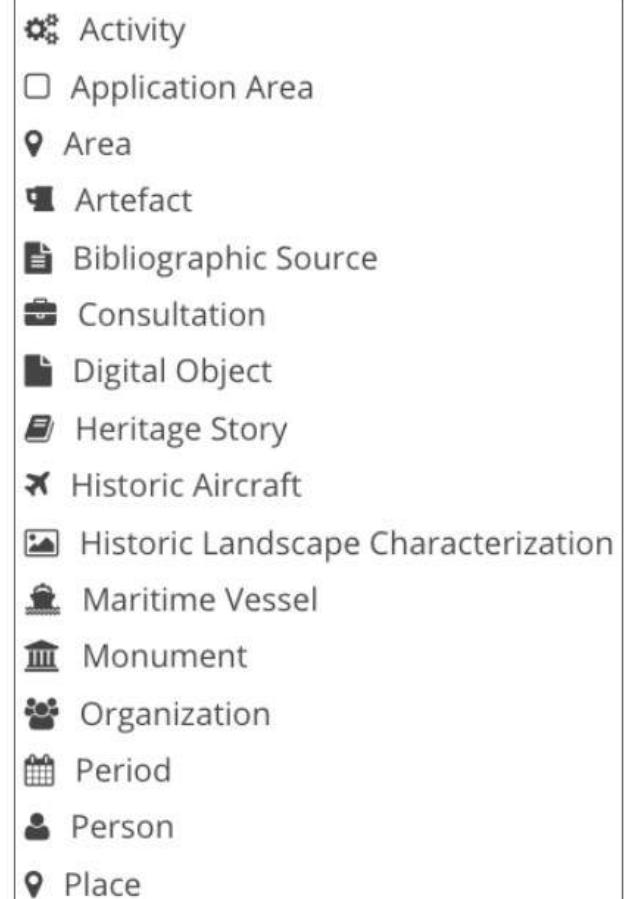
The screenshot shows the Arches search interface. On the left is a sidebar with various icons. At the top is a search bar with a magnifying glass icon and the word 'Search'. Below it is a text input field labeled 'Find a resource...'. Underneath these are two dropdown menus: 'Resource Type' and 'OA Type', both with a downward arrow. A red circle highlights the 'Resource Type' dropdown. Below these dropdowns is a message 'Results: 211107'. The main area displays two resource entries:

- [68008] 12. Archaeology  
A desk based assessment of 8 Albert Embankment was carried out by Museum of Lond 2009. There is a chance that remains of buildings associated with pottery manufacture survive along with features associated with the Medieval settlement of Lambeth Water.  
[Details](#) [Edit](#)
- [68009] 30-32 St Mary Axe, EC3: An Archaeological Assessment  
In August 1994 Archaeological Aspects was commissioned to undertake a desk based a EC3

One of the most basic filters you can apply is to select a specific Resource Type.

By accessing the drop-down list of Resources you can choose to view only specific types of records - for example, Monuments. Selecting this will immediately filter the main list of Resources so that only Monuments are visible.

In the Results list, each resource displayed contains an icon denoting its particular Resource Type.



Above the list of resources is the *Find a resource ...* text box. This will automatically filter the dataset as you insert a value, such as an identifier, a name, location or monument type, searching all fields for matching content.

The screenshot shows the Archaeology Data Service (ADS) interface. On the left is a sidebar with various filters and a search bar. The main area displays search results for 'Results: 83573' sorted 'Ascending'. The first result is a trial trench at 219-221 Balham High Road, SW17, undertaken by Phil Treveil for the Museum of London Archaeology Service in August 1997. The second result is a watching brief at Richmond Terrace Mews, where observation during building construction revealed part of a timber structure. The third result is an open area excavation at Lichfield Gardens, which found a large 'soft spot' that was either a quarry ditch or a dump for dumping waste. The fourth result is a trial trench at London Nautical School. Below the results is a navigation bar with page numbers 1, 2, 3, 4, ..., 2000, ..., 10000. To the right is a map of the southern United Kingdom, specifically the Thames Valley area, showing towns like High Wycombe, Marlow, Maidenhead, Slough, Reading, Bracknell, Farnborough, Aldershot, Woking, Guildford, Croydon, and Watford. The map includes roads, rivers, and green spaces.

## Retrieving a record using an ID

If you wish to retrieve a specific record to view and/or edit and have a value for an identifier, such as a ResourceID, a Legacy ID or even an ID with which it is cross-referenced, you can enter the value in the *Find a resource...* box above the results pane.

This screenshot shows the same ADS interface as the previous one, but with a red circle highlighting the 'Find a resource...' input field in the top search bar. The results pane shows 'Results: 194592' and the first result is an excavation at 84 London Road in Kingston upon Thames, undertaken by the Museum of London Archaeology Service. The map on the right shows the same area as before, with towns like Risborough, Great Missenden, Ches, High Wycombe, Marlow, Flackwell Heath, Henley-on-Thames, and Maidenhead.

The screenshot shows a search interface with a sidebar containing various icons. The main area has a search bar with 'CLO18957'. A dropdown menu titled 'Term Matches' is open, listing several entries, each with a context link in parentheses. Below the dropdown are links for 'Details', 'Edit', and 'Map'. To the right is a map of the Marlow area, with a 'Map Filter' button and an 'Advance' checkbox.

- CLO18957 (Consultation - System Reference Numbers)
- CLO10957 (Consultation - System Reference Numbers)
- CLO11957 (Consultation - System Reference Numbers)
- CLO12957 (Consultation - System Reference Numbers)
- CLO13057 (Consultation - System Reference Numbers)

[Details](#) [Edit](#) [Map](#) [Related Resources](#)

**Desk Based Assessment at Chalk Farm Road**  
Compass Archaeology carried out a supplementary assessment of archaeological impact of the proposed redevelopment at the Hawley Wharf site in Camden. It was...

The Elastic search mechanism will search the entire database for matching values, also returning close matches and similar values. A drop-down list will appear displaying these matching values with their context displayed in brackets. In this example, which is a Consultation Legacy ID, there is an exact match occurring as a *Consultation - System Reference Number*. Below this are listed similar values (in this case, similar numbers).

The screenshot shows the same search interface as above, but with a red arrow pointing to the 'Select' button next to the exact match 'CLO18957'. The rest of the interface is identical to the first screenshot.

Select the matching value. Note: should you select the option displayed directly above the *Term Matches* heading all records containing an exact match, but in any context, will be returned.

The screenshot shows the search interface after selecting the exact match 'CLO18957'. The results list now shows a single item: '121 Clapham Common North Side, Wandsworth SW4 9SP'. Below the results list is a circled 'Details' link, indicating it's the selected record.

Once the required value is selected, the Results list will filter to display only records containing that value - in this example, a single record. At this point you can choose to see a brief summary of the record by selecting the **Details** link; or you can open the record to edit its contents using the **Edit** link; or you can zoom the map display to the record's location using the **Map** link.

## Thematic searches

The screenshot shows a search interface with a 'Search' bar and a 'Find a resource...' dropdown. Below these are two dropdown menus: 'QA Type' and 'Resource Type'. The 'Resource Type' menu is open, showing options like 'All resources', 'Activity', 'Application Area', etc., with 'Consultation' highlighted. A red arrow points to 'Consultation' with the word 'Select' written above it. To the right is a map of the Chiltern area, specifically around High Wycombe, with various locations labeled. A results panel on the left lists 'Excavation at 84 London Road' and 'Desk Based Assessment'.

Quick thematic searches can be executed using the *Find a resource* text box. Before entering a value...

This screenshot is similar to the one above, but the 'Resource Type' dropdown is circled in red. A red arrow points to the 'Consultation' option in the dropdown menu, which is highlighted in blue. The map and results panel are also visible.

Select a specific Resource Type to narrow your search.

The screenshot shows the search interface after selecting 'Consultation'. The 'Resource Type' dropdown now has 'Consultation' selected and is highlighted in green. The 'Results: 22325' text box is circled in red. The map and results panel are visible.

The Resource Type will appear in the Search text box to show this has been applied as a filter. The map display will zoom to the full extent of the Resource Type selected and you will see the individual records listed in the Results panel.

To add a further search filter, such as a location or a part of an address, insert a further value in the *Find a resource...* box.

The screenshot shows a search interface with a sidebar on the left containing icons for Home, Search, Filter, and Help. The main area has a search bar with a magnifying glass icon labeled 'Search'. Below the search bar is a dropdown menu with the following items:

- Consultation
- south dock bridge**

Below the dropdown are two buttons: 'QA Type ▾' and 'Resource Type ▾'. To the right of the dropdown are 'Map Filter' and 'Advanced' buttons. The results count is 'Results: 22325' with 'Clear Filters' and 'Ascending' buttons. A section titled '(Consultation)' lists '14 The Waldrons'. On the far right, there is a link 'External Cross References' with an 'Add e...' button.

Add a value to the *Find a resource...* box.

The screenshot shows the same search interface as above, but with a red arrow pointing to the top result in the dropdown menu. The dropdown now includes the following items:

- Consultation
- south dock bridge**
- south dock bridge**

A red box highlights the second 'south dock bridge' entry. Below the dropdown, a 'Term Matches' tab is selected, showing results like 'South Dock Bridge, Bank Street, London (Application Area - Location Descriptions)', 'South Dock (Heritage Asset - Addresses)', and 'Kingston Bridge (Dock Above Bridge) (Heritage Asset - ...)

A filtered list of matching and close-matching terms will appear in a drop-down panel under a heading of Term Matches. Each instance is accompanied by the context in which they can be retrieved (across various Resource Types). To retrieve all contexts where an exact match occurs, select the very top instance above the *Term Matches* heading.

The screenshot shows the search interface with the following filters applied:

- south dock bridge
- Consultation

The results count is 'Results: 1'. The single result is 'South Dock Bridge, Bank Street, London'. Below the result are 'Details', 'Edit', 'Map', and 'Related Resources' buttons. To the right of the results panel is a map showing the location of South Dock Bridge on Bank Street in London. The map includes labels for 'Yifang Fruit Tea', 'L'Occitane', '25 Bank Street', 'Obica', and 'ys DLR'.

The Results panel will filter to display only those records (in this example, Consultations) that contain an exact match to the value entered.

## Concepts

When you search on a value that happens to occur within a thesaurus, authority list or other item of reference data within the application, the drop-down list of matching values will include an additional tab entitled **Concepts**. Selecting the **Concepts** heading will display instances of the term, and similar terms, that appear in any thesauri, authority lists or other reference data within the application, allowing the user to perform thematic searches.

theatre

**Term Matches**      **Concepts**

Theatres Trust (Organization - Names)  
Australian born theatre architect. Mainly worked on London theatres. (Person - Descriptions)  
Victorian & Edwardian Theatres (Bibliographic Source - Bibliographic Source Names)

Details Edit Map Related Resources

**Term Matches** displays values, and similar values, occurring within all contexts within records.

theatre

**Term Matches**      **Concepts**

Theatre (Subjects)  
Theatre (Recreational)  
Cinema/Theatre (Ornamental, Parkland and Recreational)  
Cinematograph Theatre (Recreational)  
Electric Theatre (Recreational)

Details Edit Map Related Resources

**Concepts** displays instances of the term, and similar terms, within the application's reference data - in this example the *Subjects* list and the *Thesaurus of Monument Types*.

**Select**

**Concepts**

Theatre (Subjects)  
Theatre (Recreational)

Details Edit Map Related Resources

Select the most appropriate instance from the list.

The Results panel will immediately refresh and display only those records satisfying your search criteria. These criteria are represented as filters in the text box above the Results panel. Each record is represented by a marker on the display.

The screenshot shows a user interface for searching resources. On the left is a sidebar with various icons. In the center is a search bar with the placeholder "Search" and a dropdown menu showing a selected filter: "Theatre (Recreational)". Below the search bar are buttons for "QA Type" and "Resource Type". The main area displays "Results: 129" and a "Clear Filters" button. A "Related" dropdown is open. To the right is a map of London with green dots representing the locations of the search results. The map includes labels for Kilburn, ISLINGTON, WHITECHAPEL, HOLLOWAY, Kensington, Hammersmith, and PECKHAM. Below the map is a list of three resource entries:

- 291-293 Westbourne Grove (Victorian Theatre)
- Barra Hall Park (Victorian Country House)
- Russell Street (Early 20th Century Theatre & Concrete Framed Building)

Each entry includes a "Details" link, an "Edit" link, a "Map" link, and a "Related Resources" link.

To remove a search filter displayed in the search text box, select the X at the beginning of the filter's name.

Selecting the resource name of one of the records in the Results list will open the Resource Summary in a new tab (see below). To close the Summary, simply close the new tab.

**Note: As Resources open in a new tab when selected, be sure to close such tabs when they are no longer needed to avoid possible confusion when opening further resources.**

This screenshot shows the same interface as the previous one, but with a red arrow pointing to the "Map" link for the entry "Chalk Farm Road (Victorian Engine Shed)". The map on the right shows the location of Chalk Farm Road in North London, with a green dot marking the spot. The map labels include WIMBLEDON, BRIXTON, STREATHAM, MORDEN, and THORNTON HEATH. The sidebar on the left shows the "Related" dropdown again.

Depending upon user permissions, the entry in the Results pane also features an **Edit** link (to open the source record) and **Map** link (to zoom to the location in the map display).

Heritage Asset  
Heritage Asset: Chalk Farm Road (Victorian Engine Shed)

Names and Identifiers | Descriptions and Citations | Classifications and Dating | Location Data | Designation and Protection Status | Assessments | Images | Associated People and Organizations | Associated Resources | JSON

» Names

Name	Name Use Type	Name Currency
Chalk Farm Road (Victorian Engine Shed)	Primary	--

» External Cross References

Name	Source	Note
1258103	National Heritage List for England List Entry Number	--
TQ 28 SE 532	National Monuments Record Number	--

» System Reference Numbers

Resource ID: --  
Legacy ID: --  
Primary Reference Number: --

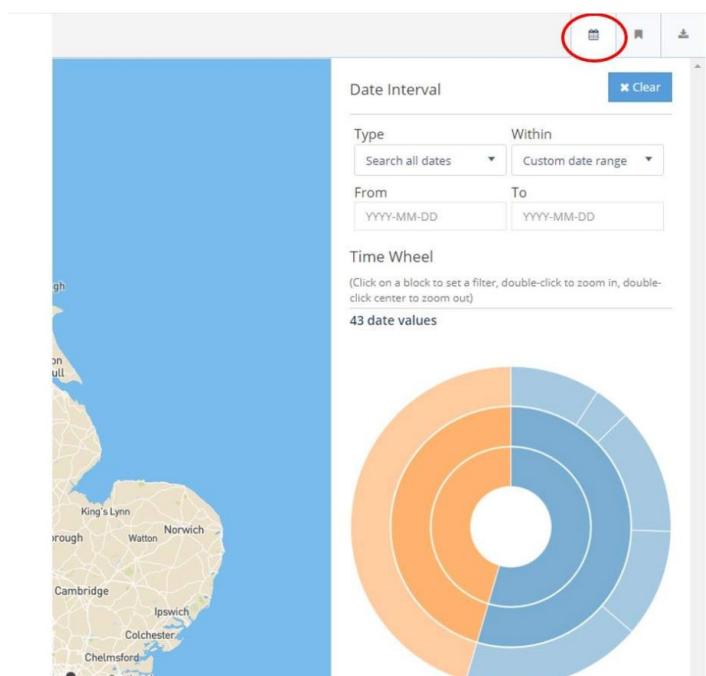
» Relationships

Parent Resource: Chalk Farm Road (Victorian Goods Yard)

## Date Interval / Time Wheel

You can apply a temporal criterion to your query by using the *Date Interval* and *Time Wheel* filters.

*Date Interval* gives you the option of creating the filter by hand, selecting a time-related facet for a specific Resource Type and adding either a set time parameter or a custom date range. Or you can use the time wheel.



Select the Date icon on the right of the screen to open the *Date Interval* and *Time Wheel* search panel.

The **Type** node accesses a list of date-related facets for each Resource Type.

This screenshot shows the 'Date Interval' node interface. On the right, there is a dropdown menu titled 'Type' which lists various date-related facets for 'Activity'. These include 'Associated People and Organizations - Association Start Date', 'Associated People and Organizations - Association End Date', 'Activity Timespan - Activity Start Date', and 'Activity Timespan - Activity End Date'. The 'Within' section shows a 'Custom date range' input field with a placeholder 'YYYY-MM-DD' and a 'Clear' button.

This screenshot shows the 'Date Interval' node interface. The 'Type' dropdown is set to 'Audit Metadata - ...'. The 'Within' section shows a 'Custom date range' input field with a placeholder 'YYYY-MM-DD' and a 'Clear' button. Below this, a 'Time Wheel' section is visible, showing a dropdown menu with options like 'Today', 'Last 7 days', 'Last 30 days', 'This week', 'This month', 'This quarter', and 'This year'. The 'Last 30 days' option is currently selected. A note at the bottom of the wheel says '(Click on a block to set a filter, double-click to zoom in, double-click center to zoom out)'. The '43 date values' label is also present.

You can either leave the **Within** node with its default value of **Custom date range**, or you can select a value from the drop-down list of pre-set parameters, which are best suited to audit-type queries.

Insert a date range by adding values to the **From** and **To** date nodes.

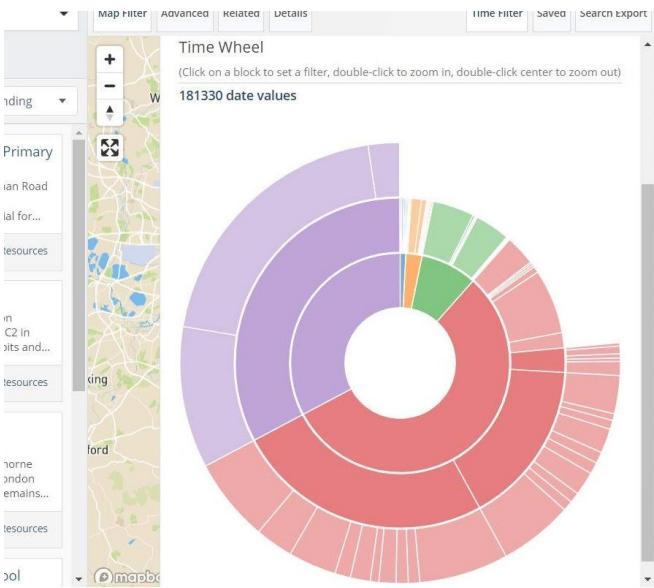
**Note:**

BC/BCE dates can be represented as minus values. For example, **From -2500 to -1000**.

AD/CE values up to 999 should be represented as four digits. For example, **From 0047 to 0998**.

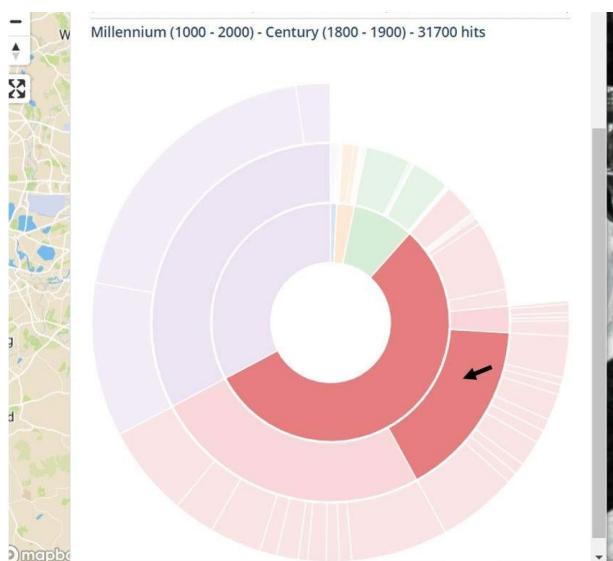
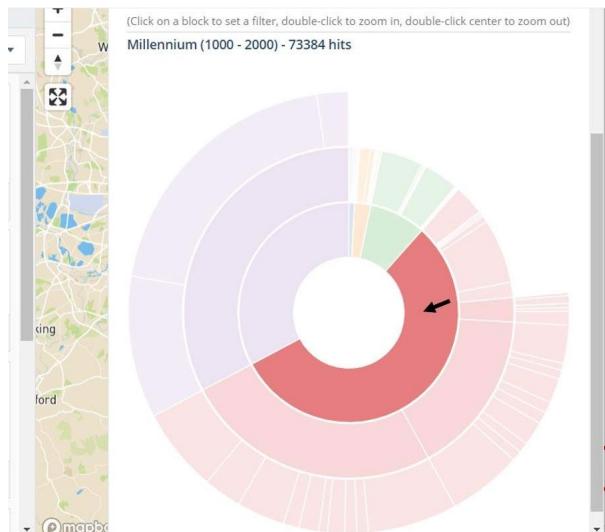
This screenshot shows the 'Date Interval' node interface. The 'Type' dropdown is set to 'Audit Metadata - ...' and the 'Within' section shows a 'Custom date range' input field. The 'From' field contains the value '2022-02-01' and the 'To' field contains the value '2022-03-03'. Below this, a 'Time Wheel' section is visible, showing a dropdown menu with options like 'Today', 'Last 7 days', 'Last 30 days', 'This week', 'This month', 'This quarter', and 'This year'. The '43 date values' label is also present.

The Time Wheel is a graphic representation of all the resources in the database organized chronologically. Placing your cursor on the wheel in different areas displays a time period (millennium/century/decade) and the number of records falling within it. A mouse-click will retrieve those records.



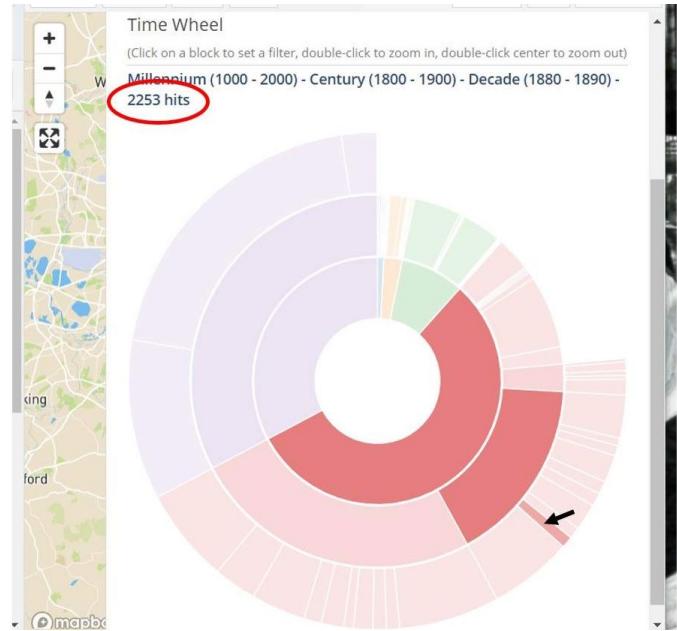
The size of each segment is dictated by the number of records attributed to each millennia. The larger the segment, the greater the number of records that will be returned. Place your cursor on one of the segments and the display will show the millennium you have chosen and how many records (or number of 'hits') within the data set fall within that period. If you wish to retrieve these records, select the millennium with a mouse-click.

The wheel represents the entire data set and is divided into three concentric rings divided into segments. The centre ring's segments each represent Millennia relating to a proportion of the data set.



The middle one of the three rings represents centuries, the segments varying in size according to how many records are attributed to each. By placing your cursor on one of the centuries relating to the millennium already highlighted, you can see the number of records, or hits, that will be returned should you select this period. If you wish to retrieve these records, select the century with a mouse-click.

The outer ring represents the decades within each century, the segments varying in size according to how many records are attributed to each. By placing your cursor on one of the decades relating to the century and millennium already highlighted, you can see the number of records, or hits, that will be returned should you select this decade. If you wish to retrieve these records, select the decade with a mouse-click.



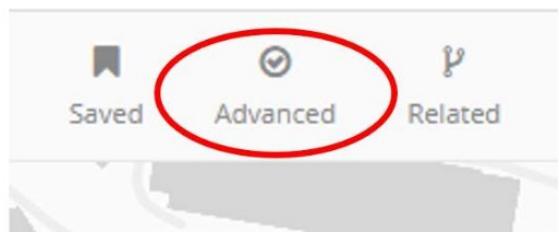
Whilst this method of retrieval can result in very large result sets, these can be refined by adding further filters via the map interface, the Quick or Advanced search facilities.

**Remember to remove any unwanted filters from the Search box before you begin a new search.**

# Advanced Search

To build a query using one or more textual attributes:

Select the Advanced icon at the top of the screen.



This will open a panel on the right-hand side of the screen that enables the user to select the Resource they wish to search (e.g. Monument).

A screenshot of the 'Advanced Search' interface. On the left, there is a list of search results with titles like 'Title Unknown', 'The Geffrye Museum Almshouses', and 'Victoria Lodge, Victoria Gate, Hyde Park, W2, City of Westminster: An Archaeological Evaluation'. Each result has 'Details' and 'Edit' buttons. On the right, there is a large central area with a 'Clipboard with Checkmark' icon and the text 'Advanced Search'. Below this, it says 'With Advanced Search you can build more sophisticated search queries. Select the search facets you wish to query from the list on the right. Then enter your criteria to customize your search filters'. To the right of this central area is a vertical sidebar titled 'Search Facets' containing a 'Find ...' input field and a list of facet categories: 'Maritime Vessel &gt;', 'Monument &gt;', 'Addresses', 'Area Assignments', 'Associated Activities', 'Associated Archives', 'Associated Consultations', 'Associated Digital File(s)', and 'Associated Monuments, Areas and Artefacts'. At the very bottom of the page, there is a note: 'Note: At the top of this panel is a Search Facets field that enables you to insert a keyword or Facet name to retrieve a list of matching options across the various Arches for HERs Resources.'

A screenshot of the 'Advanced Search' interface, focusing on the 'Search Facets' panel. The panel lists several facet categories: 'Maritime Vessel &gt;', 'Monument &gt;', 'Addresses', 'Area Assignments', 'Associated Activities', 'Associated Archives', 'Associated Consultations', 'Associated Digital File(s)', and 'Associated Monuments, Areas and Artefacts'. Each category has a small arrow icon to its right, indicating it can be expanded.

Each Resource title is accompanied by an arrow icon. Selecting this will expand a list of the various facets attributed to the specific Resource Type.

Note: At the top of this panel is a **Search Facets** field that enables you to insert a keyword or Facet name to retrieve a list of matching options across the various Arches for HERs Resources.

Each facet represents a branch or a card within the resource, each of which will contain one or more nodes that can be used as search parameters.

Select a Facet to open the search panel.

The screenshot shows a search interface. On the right, there is a vertical list of facets: 'Bibliographic Source Citation', 'Capture Scale', 'Components', 'Construction Phases' (which is circled in red), 'Coordinate System', 'Current Base Map', 'Descriptions', and 'Designation and Protection Assignment'. On the left, there is a search panel with fields for 'Construction Phase Date Qualifier', 'Phase Description' (with a dropdown set to 'Like'), 'Confidence of Dating', 'Main Construction Material', and 'Construction Method'. Below these are dropdown menus for 'References' and 'Select a resource', and fields for 'Construction Phase End Date' (set to 'overlaps') and 'Monument Type' (set to 'Equals' with 'Public House' selected).

The search panel contains the following fields:

- Construction Phase Date Qualifier
- Phase Description (dropdown set to Like)
- Confidence of Dating
- Main Construction Material
- Construction Method

Each information field, or node, requires the selection of a query condition term (Like/Not Like/Equals/Not) to define the parameters of the search. Where an information field contains uncontrolled data (i.e. free text descriptions) the choice of *Like/Not Like* enables the use of key words in the search.

Fields controlled by thesauri and authority lists will only contain the *Equals* and *Not* choice of condition.

Insert node values.

The search panel shows the following configuration for 'Monument Type':

- Condition: Equals
- Value: Public House

Note: When selecting thesaurus terms the search will retrieve results for that term only and will not search across a hierarchy. Select additional instances of the appropriate card to include additional terms.

The search panel includes fields for 'Association Start Date' (set to > 1998-01-01) and 'Association End Date' (set to < 1998-12-31). To the right, there is a vertical list of facets: 'As: Art', 'As: ', and 'Au'.

NOTE: Arches for HERs uses the Extended Date Time Format (EDTF) – ISO 8601 (extension) – where nodes contain date values: **YYYY-MM-DD**

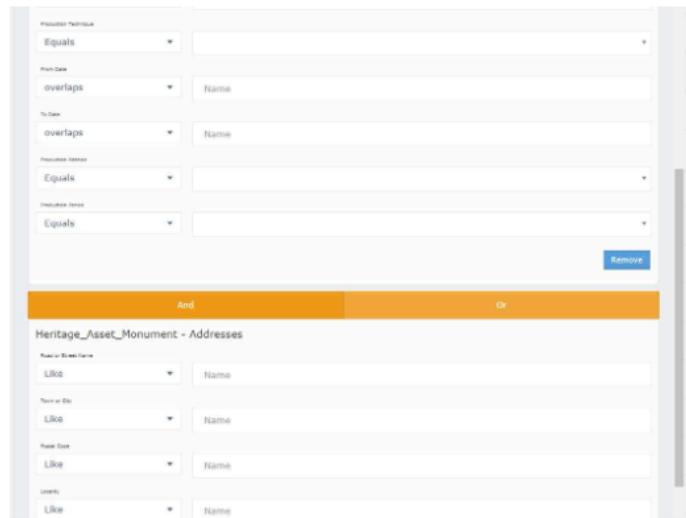
Note:

BC/BCE dates can be represented as minus values. For example, **From -2500 to -1000**.

AD/CE values up to 999 should be represented as four digits. For example, **From 0047 to 0998**.

Select further Facets (or another instance of the same Facet if you wish to search on multiple values for the same Node) as required.

As each further Facet is selected, the new query card opens below the existing card. The two cards are separated by a bar containing two query operators: **And** and **Or**.



These enable the user to define the relationship between the selected search parameters. The default value is *And*, which means the search will retrieve records containing both specified parameters. By selecting *Or*, the user will be searching for all records where instances of both parameters occur, even where they are not both in the same record. This can be useful if you wish to search for multiple values that occur in the same node (for example, *Monument Type = Theatre OR Monument Type = Cinema*).

The application will filter the data each time you add a search parameter.

Results will appear in the panel on the left of the screen.

The screenshot shows the search results panel with the following details:

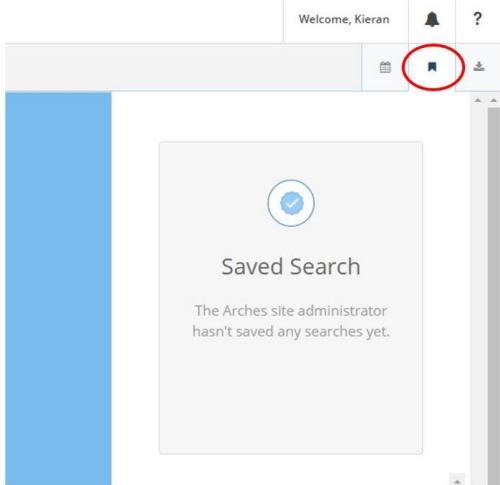
- Search Bar:** Advanced Search
- Filter Options:** Resource Type, QA Type
- Results:** 204
- Buttons:** Clear Filters, Ascending
- Result Cards:**
  - Mecca Bingo Hall (Edwardian Theatre):** Record created from Imported Listed Buildings On-line dataset 11-Jan-2006; see linked Designation record for full details.
  - St Peter's Chapel (Georgian Chapel):** The building was originally constructed in 1766 as a proprietary Church of England chapel and named the 'Charlotte Chapel'. The building was sold and became a chapel of ease to St Peter, Eaton Square in 1849 and was renamed 'St Peter's Chapel'. In 1921-2, the building was...
  - New Victoria Theatre (Early 20th Century Cinema):** This Grade II\* Listed theatre was formerly the New Victoria Cinema, and was built by E Wamsley Lewis and D E Trent.
  - 12 Dalston Lane (Georgian Rubbish Pit):** Dalston Theatre was built in 1898, and demolished in 2007. During its lifetime it had been a circus, a theatre, one of the earliest 2,000 seat cinemas in Britain, a car auction room and a nightclub. Excavations on the site recorded evidence of a stable block and basement, as well as...
- Search Facets Panel:** Includes sections for References, Construction Phase End Date, Confidence of Interpretation, Monument Type, Construction Phase Display Date, Construction Phase Type, and Construction Phase Start Date. It also includes an 'And' operator between the first two facets.
- Right-hand sidebar:** Logout, Kieran, Alerts, Help, Time Filter, Saved, Search Export, and a list of facets: Bibliographic Source Citation, Capture Scale, Components, Construction Phases, Coordinate System, Current Base Map, Descriptions, Designation and Protection Assignment, and External Cross References.

To remove one of the search cards, select the **Remove** button at the bottom right-hand corner.

Before starting a fresh search, make sure you remove the *Advanced search* filter from the Quick search field at the top-left of the search interface.

## Saved Searches

Saved searches allow the user to view existing queries that have been prepared and made available by a system administrator. These might be searches such as complex audit queries that need to be executed on a regular basis. Selecting the search will retrieve a new, up-to-date set of results.



Select the *Saved Searches* icon on the right of the screen and a panel will open displaying a list of existing searches shared by the system administrator. Select the required search to retrieve results.

## Related Resources

Within Arches, the relationships between Resources (for example, a Monument may be associated with another Monument, an Activity, several Bibliographic Sources, People and Organizations etc.) can be viewed and explored by means of a graphical interface. This interface can be viewed by selecting the *Related Resources* link either in the Search Results panel for each Resource, or in the Resource Manager tree view whilst viewing or editing a Resource.

A screenshot of the Arches interface showing the 'Related Resources' feature. On the left, the main search results panel shows two items: 'Excavation at 84 London Road' and 'Desk Based Assessment at Chalk Farm Road'. The 'Excavation at 84 London Road' item has a 'Related Resources' link highlighted with a red circle. On the right, a detailed view of the 'Excavation at 84 London Road' resource is shown. This view includes a 'Manage' tab, a title 'Excavation at 84 London Road', and a tree view of related resources. The 'Activity Names' and 'Activity Descriptions' nodes are highlighted with green boxes. A second red circle highlights the '% Related Resources' node in the tree. Other sections visible include 'Names and Identifiers', 'External Cross References', 'System Reference Numbers', 'Relationships', and 'Record Status'.

Selecting *Related Resources* will open a panel containing a graphical display representing the Resource and its related Resources, which are colour-coded to represent the different Resource

Types (For example, Green = Monument; Brown = Bibliographic Source; Pink = Organization etc.). As well as being represented graphically, an Info panel will open listing the associated Resources and stating the nature of the association between the Resources.

Search

Activity

QA Type Resource Type

Results: 20460 Clear Filters Ascending

Excavation at 84 London Road  
An Archaeological evaluation of the land at 84 London Road, Kingston upon Thames was carried out by Museum of London Archaeology Service, at the time when the land was a vacant...  
Details Edit Map Related Resources

Desk Based Assessment at Chalk Farm Road  
Compass Archaeology carried out a supplementary assessment of archaeological impact of the proposed redevelopment at the Hawley Wharf site in Camden. It was...  
Details Edit Map Related Resources

Desk Based Assessment at St. Georges Gardens  
Identified by Mrs B. Holmes in 'The London Burial Grounds: notes on their history from the earliest times to the present day' (1896). Covering about 1.25 acres, this area is laid out a...  
Details Edit Map Related Resources

Heritage Activity at King George Pumpine

< 1 2 3 4 ... 2000 >

Map Filter Advanced Related Details

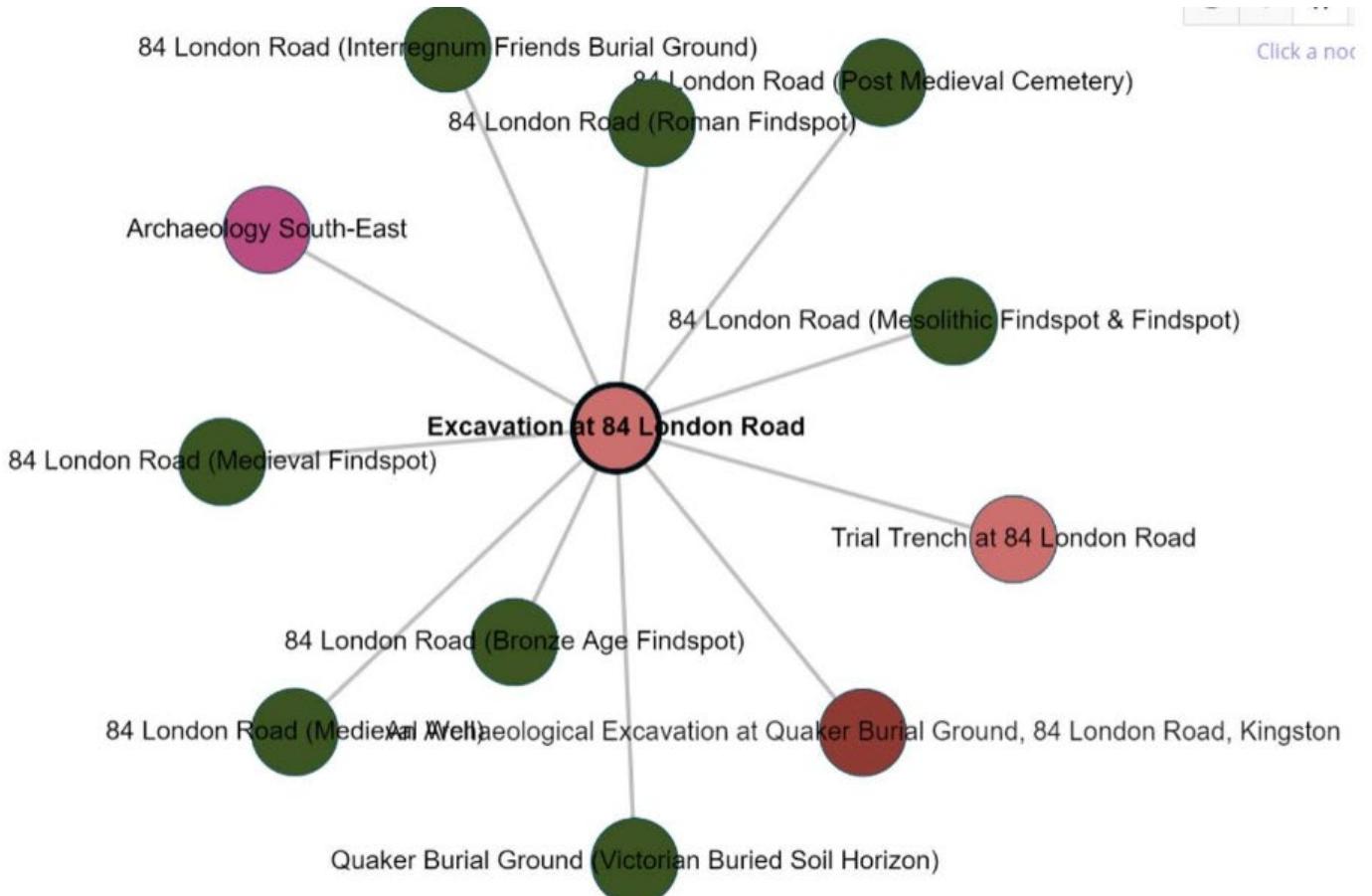
Click a node/edge for info

**Excavation at 84 London Road**

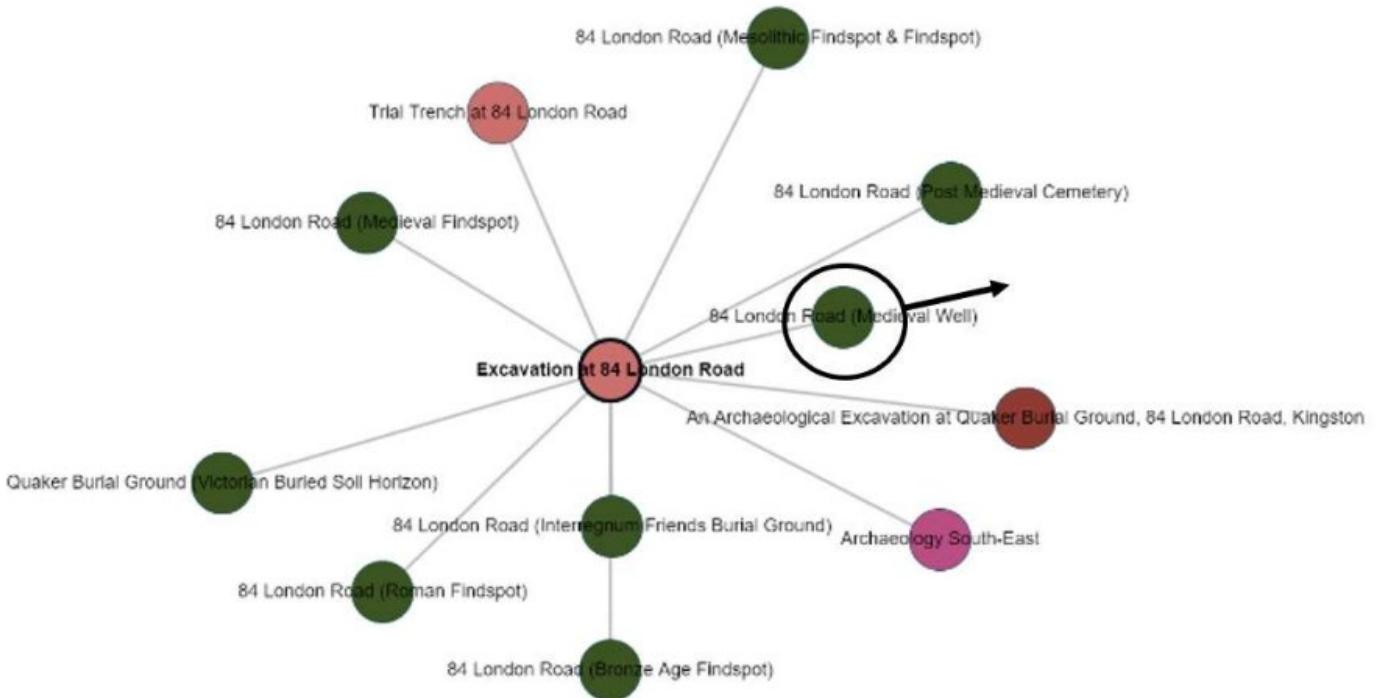
Activity Report | Edit

Relationships 11 / 11 relationships shown

- P14\_carried\_out\_by > Archaeology South-East
- P15\_was\_influenced\_by > Trial Trench at 84 London Road
- P12\_occurred\_in\_the\_presence\_of > 84 London Road (Post Medieval Cemetery)
- P12\_occurred\_in\_the\_presence\_of > 84 London Road (Roman Findspot)
- P12\_occurred\_in\_the\_presence\_of > 84 London Road (Mesolithic Findspot & Findspot)
- P12\_occurred\_in\_the\_presence\_of > 84 London Road (Bronze Age Findspot)
- P12\_occurred\_in\_the\_presence\_of > 84 London Road (Medieval Findspot)



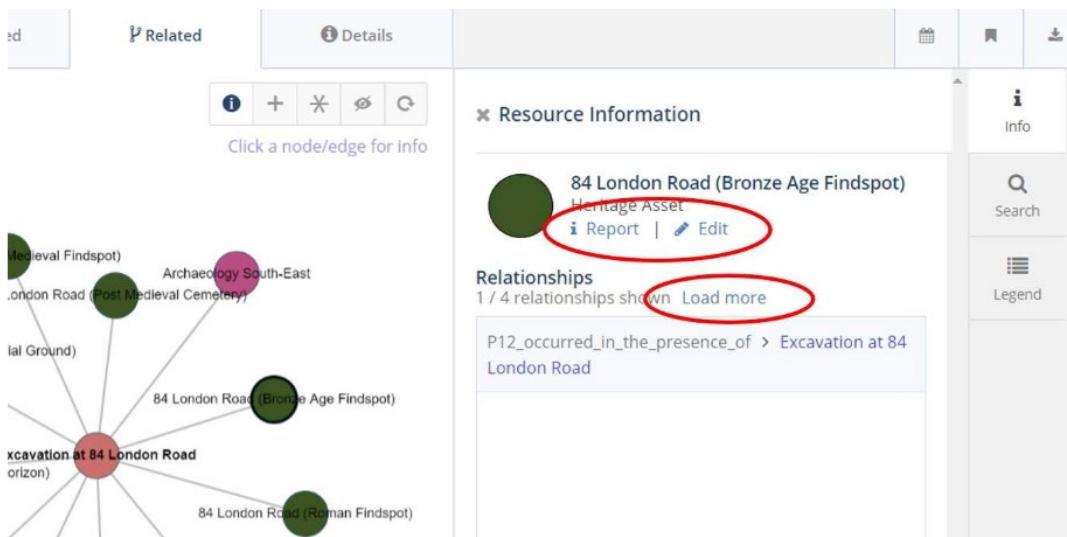
For greater clarity where Resource names may overlap, or a very large number of resources are represented, the elements of the graphical interface can be re-arranged by selecting them with your cursor and dragging them to a new location.



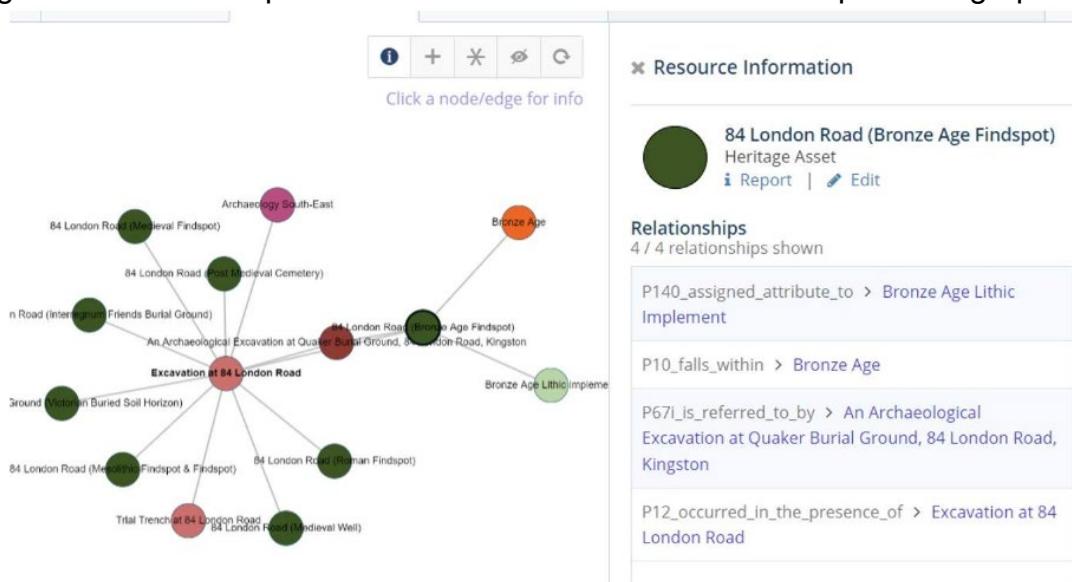
Any of the associated resources can be selected, either via the graphical interface or from the list in the Info panel.

Advanced	Related	Details	
Click a node/edge for info			
<b>Resource Information</b> 84 London Road (Bronze Age Findspot) Heritage Asset <a href="#">Report</a>   <a href="#">Edit</a>			
<b>Relationships</b> 1 / 4 relationships shown <a href="#">Load more</a> P12_occurred_in_the_presence_of > Excavation at 84 London Road			
<b>Info</b> Search Legend			

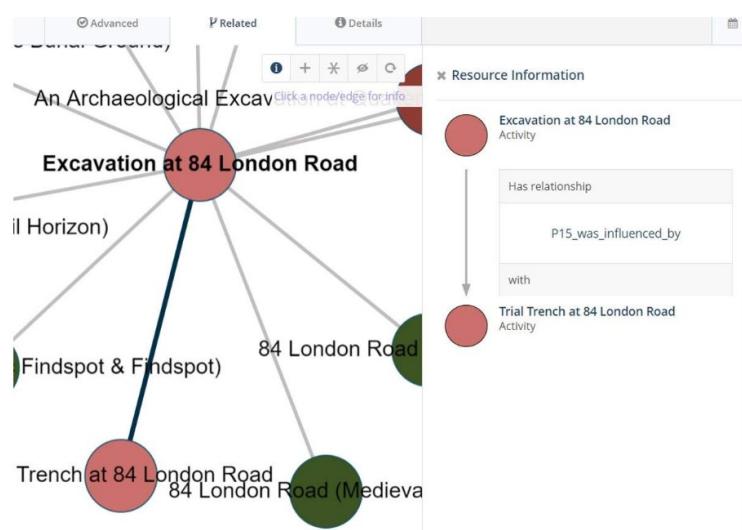
Selecting a Resource will give you the option to view a **Report** for the selected Resource, or open the Resource Manager to **Edit** the Resource. In Addition to displaying the relationship with the original Resource, the info panel will display how many other relationships this particular Resource has.



Selecting the **Load More** option will add these additional relationships to the graphical display.



Selecting one of the Connectors between Resources will display the specific relationship represented in the *Info* panel.



There are a number of tools available at the top of the display to facilitate further interaction with the graphical interface. Note: When selected, each tool remains active until an alternative is selected.



The **Info** icon is set as default, activating the contents of the *Info* panel when a Resource or Connector is selected.



The **Show More Relationships** icon, when selected, allows the user to then select one of the Resources in the display to add their additional relationships to the graphical interface.



The **Refocus** icon, when selected, allows the user to select a Resource and re-set the graphical interface to display only those relationships directly associated with it.



The **Remove** icon, when selected, allows the user to select a Resource and remove it from the graphical interface. NOTE: This only removes the Resource from the display and does not edit the relationship between Resources.



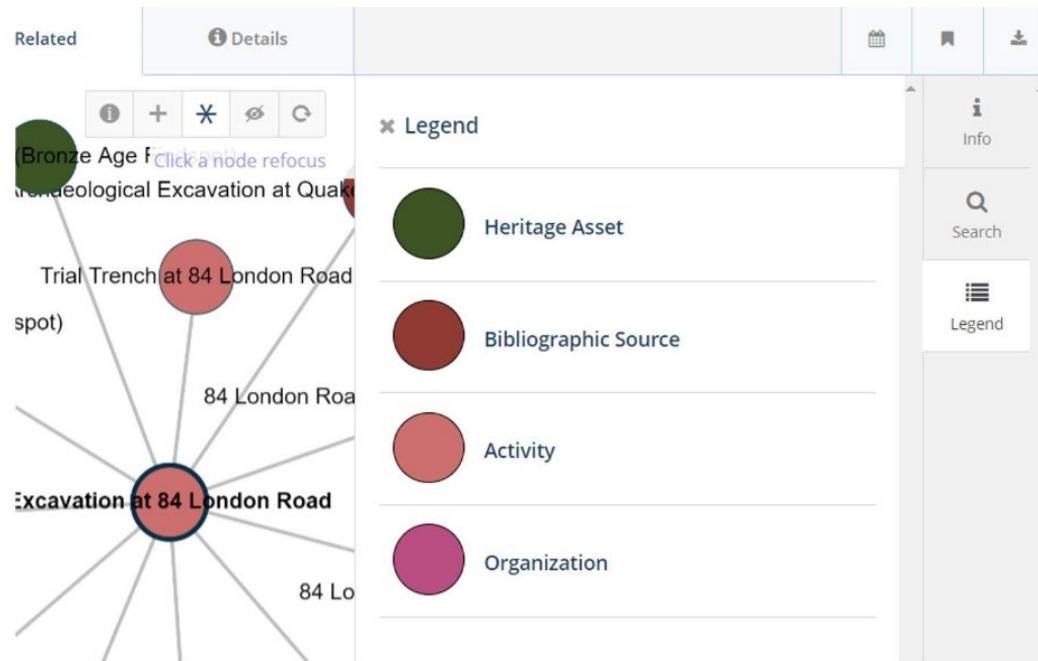
**Refresh/Reload** the graphical interface.

In addition to the tool bar at the top-right of the display, there are options available on the right of the screen. The *Info* panel opens automatically when a Resource or Connector is selected.

The screenshot shows the 'Search Network' interface. On the left, a vertical list of resources is visible, including 'Excavation at 84 London Road', 'Archaeology South-East', '84 London Road (Mesolithic Findspot & Findspot)', and 'An Archaeological Excavation at Quaker Burial Ground, 84 London Road, Kingston'. In the center, a main panel displays a list of resources with their details: 'Excavation at 84 London Road' (Activity, 11 / 11 relationships shown), 'Archaeology South-East' (Organization, 1 / 506 relationships shown, with a 'Load more' link), '84 London Road (Mesolithic Findspot & Findspot)' (Heritage Asset, 1 / 5 relationships shown, with a 'Load more' link), and 'An Archaeological Excavation at Quaker Burial Ground, 84 London Road, Kingston' (Bibliographic Source). On the right, a sidebar contains three panels: 'Info' (selected), 'Search' (with a magnifying glass icon), and 'Legend' (with a grid icon).

The **Search** panel allows you to search the currently displayed network of related Resources.

The *Legend* provides a key to the colour-coded resources currently represented in the graphical interface.



For further information about Arches, its origins, development and user community, visit the Arches project website at this URL.

<https://www.archesproject.org/>