

LocalView - Navigator Geographical Information System (GIS)

Viewing and selecting Census data

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2011 Census in LocalView

LocalView is an online map based tool that provides access to a wide range of geographical information. This version of LocalView allows you to view selected 2011 Census Key statistics for Output areas (OAs)¹ and Lower super output areas (LSOAs)².

This is what you see after you follow the link called ‘Census and population information in LocalView’ on the Birmingham Council website.

The screenshot shows the LocalView web application in a Windows Internet Explorer browser. The address bar displays <https://localview.birmingham.gov.uk/Planning/Sites/Census2011/>. The interface features a search bar on the left with the text "Search For an address" and a "Search" button. A toolbar at the top contains various map tools such as "Point", "Line", "Areas", "Clear all", "Default", "Identify", "Link", "Print", and "Help". A legend panel on the right side of the map shows the following layers:

- All Layers
- Background Mapping
- 2011 Output Areas
- 2011 Lower Super Output Areas

The map displays a street map of Birmingham with pink outlines representing the 2011 Census Output Areas and Lower Super Output Areas. Labels on the map include "Lapal", "Woodgate Valley Country Park", "Bartley Green", "Frankley", and "Westminster Fm".

Annotations with arrows point to specific features:

- Search For an address**: Points to the search bar.
- Zoom & Pan tool**: Points to the zoom and pan controls on the left side of the map.
- Bookmarks for wards**: Points to the "Bookmark" dropdown menu in the toolbar.
- Identify item on map**: Points to the "Identify" button in the toolbar.
- Legend**: Points to the legend panel on the right side of the map.

At the bottom of the page, there is a footer with the following text:

Planning & Growth Strategy,
 Planning & Regeneration,
birmingham.gov.uk/census
census@birmingham.gov.uk
 0121 303 4208

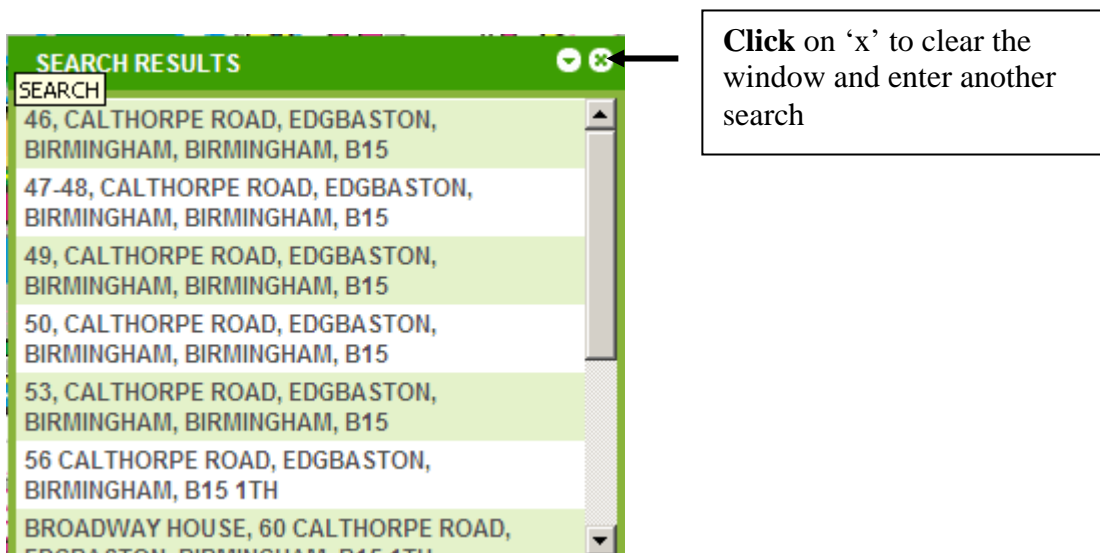
How to find a location

Use Search box



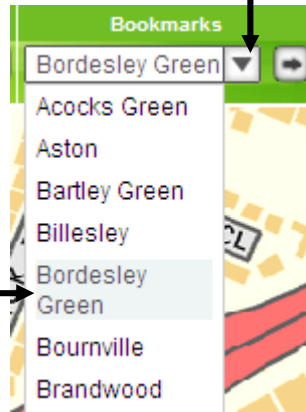
If there is only one match in the list, the map will automatically zoom to the location.
If more than one match is found a list will be presented and you can select the address you want from the list.

If no matching address is found the following message will be given 'There are no matches for your query'



Use Bookmarks

1. Click on arrow head to reveal a list of available bookmarks



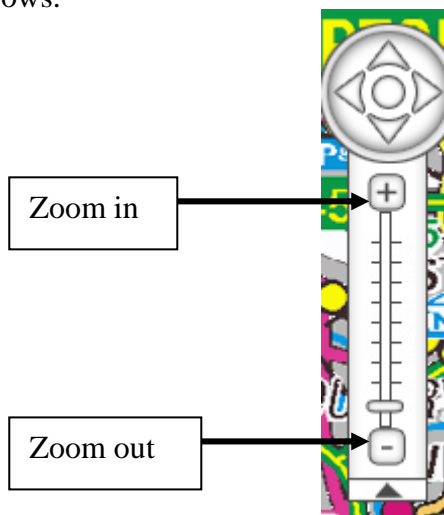
3. Click on the right pointing arrow to go to the ward location on the map

2. Click on Ward that you want.

Use Zoom & Pan

This tool allows you to move around maps quickly, panning North, South, East or West using the arrows.

zooms in
zooms out



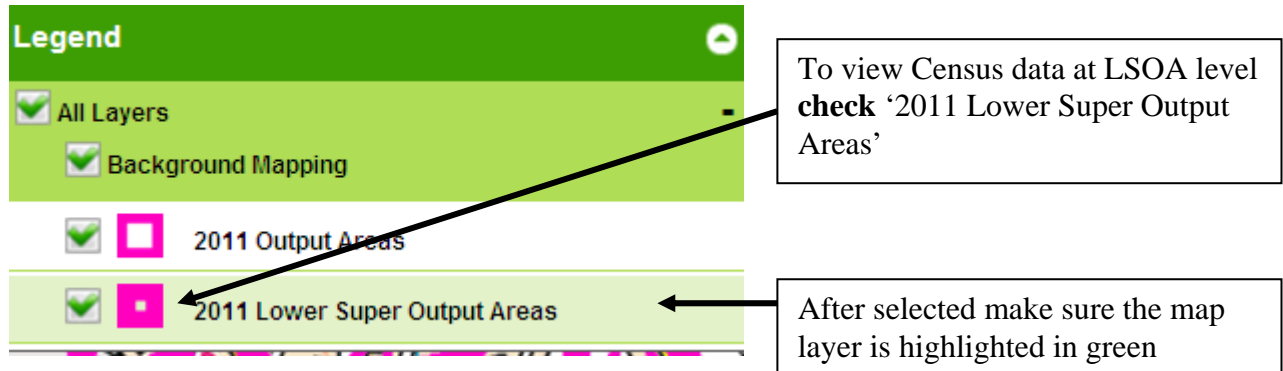
You can also 'Pan' around by clicking on the map, holding and moving the mouse and releasing the mouse when you get to the desired location.

How to view Census data

You can view and extract a small selection of 2011 small area Census statistics from LocalView, by using the legend to select Maplayers³.

The legend contains 3 Maplayers, Background mapping, 2011 Output (OA) and Lower Super Output Areas (LSOA).

1) To view Census data at LSOA level uncheck the '2011 Output Areas' box



Legend

- All Layers
- Background Mapping
- 2011 Output Areas
- 2011 Lower Super Output Areas

To view Census data at LSOA level check '2011 Lower Super Output Areas'

After selected make sure the map layer is highlighted in green

:

2) Click on 'Identify' Tool (found on the tool bar)



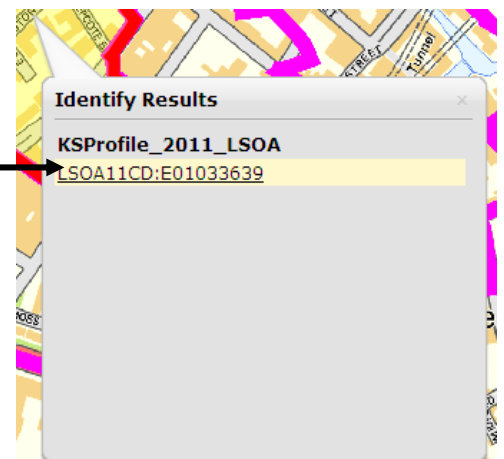
3) **Navigate** to LSOA by a method of your choice

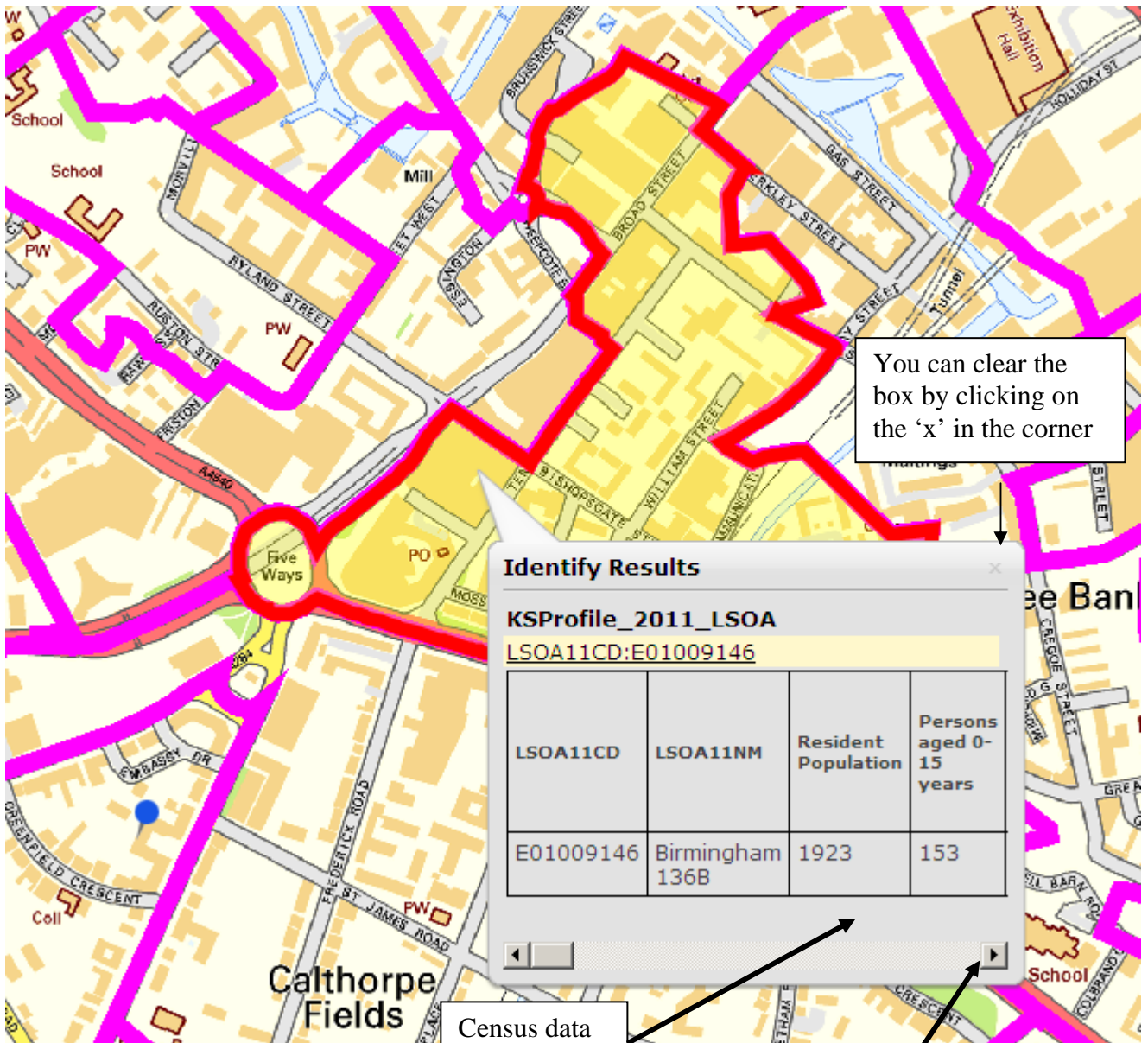
4) **Click** anywhere within the LSOA boundary

The LSOA code will be presented in a box

5) **Follow** the link

The census data will be presented





Use the sliders to scroll across to see all of the data available in LocalView.

You can also **view a group of LSOAS or OAs in LocalView**

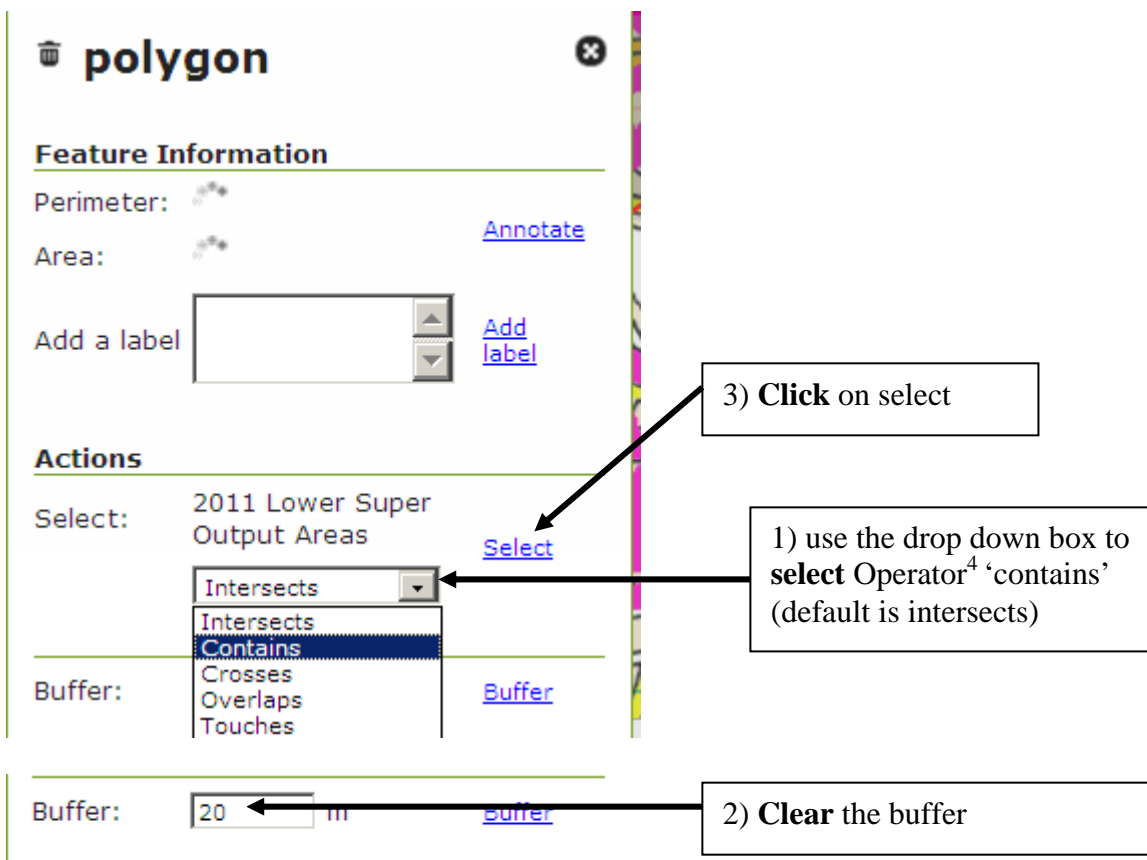
Click on the ‘Create polygon tool’ to define your area →



Make sure the required map layer is highlighted in light green.

Click on the map and define your area by clicking on the mouse, double click to close the area and end (there are on screen instructions to help).

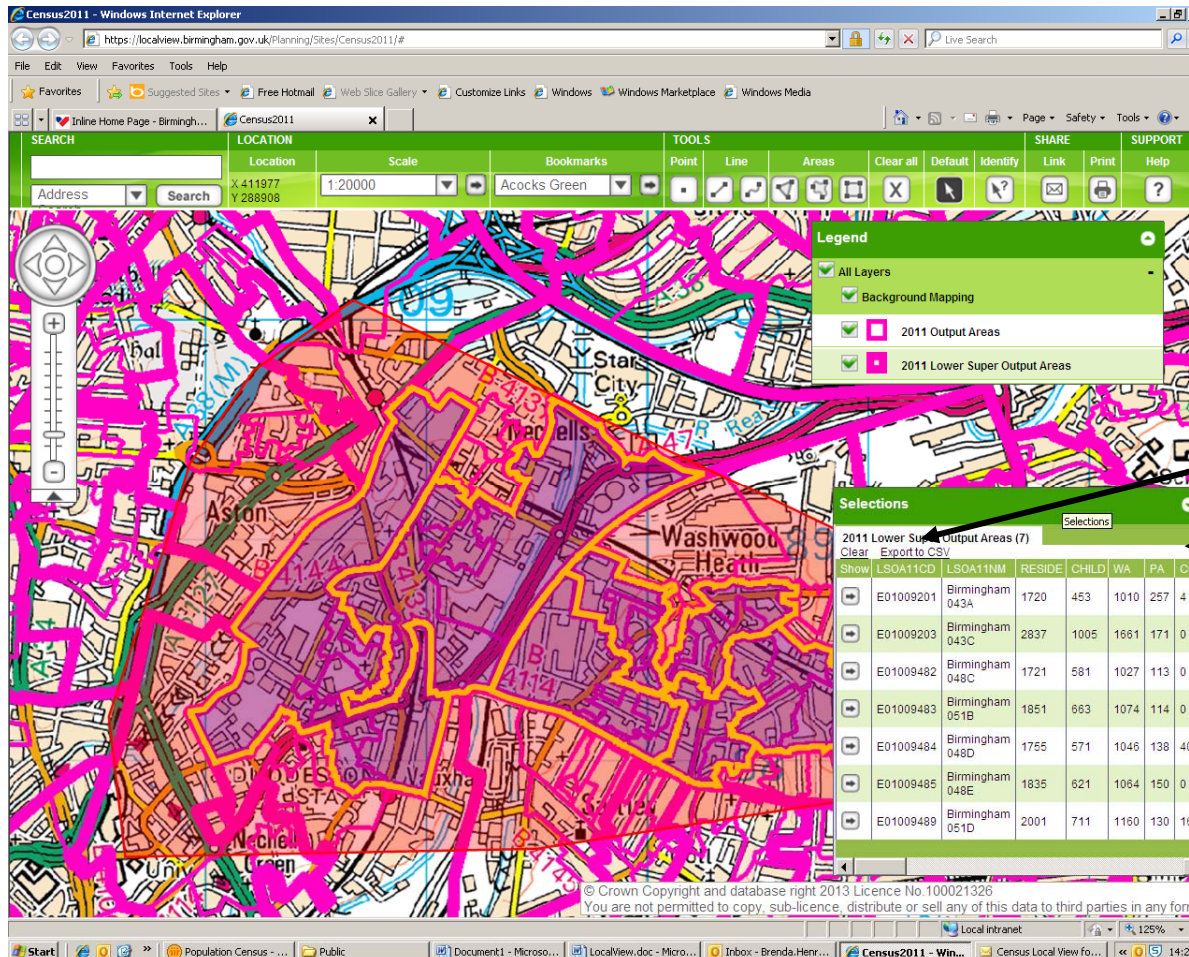
A box will appear, where you will **change** the Operator from ‘intersects’ to ‘contains’, clear the buffer and then **click** on ‘select’



The screenshot shows the 'polygon' tool interface with the following elements and annotations:

- Feature Information:** Perimeter and Area fields with 'Annotate' links.
- Add a label:** A text input field with 'Add label' links.
- Actions:**
 - Select:** A dropdown menu showing 'Intersects' (selected) and 'Contains' (highlighted). An annotation box points to this dropdown: "1) use the drop down box to select Operator⁴ 'contains' (default is intersects)".
 - Buffer:** A dropdown menu showing 'Intersects', 'Crosses', 'Overlaps', and 'Touches'. A 'Buffer' link is next to it.
- Bottom Buffer:** A field showing '20 m' with a 'Buffer' link. An annotation box points to this field: "2) Clear the buffer".
- Right Side:** A 'Select' link. An annotation box points to it: "3) Click on select".

The map highlights the lower super output areas that have been selected and the selections box appears, you can either view a list of the selected LSOAs in Local view by using the scroll bars or export to CSV.



The screenshot shows the 'Census2011' web application in Internet Explorer. The map displays Birmingham with several LSOAs highlighted in pink and orange. A 'Selections' table is open on the right, showing a list of 7 selected LSOAs with their respective population statistics. The table has columns for LSOA11CD, LSOA11NM, RESIDE, CHILD, WA, PA, and COL.

Show	LSOA11CD	LSOA11NM	RESIDE	CHILD	WA	PA	COL
<input type="checkbox"/>	E01009201	Birmingham 043A	1720	453	1010	257	4
<input type="checkbox"/>	E01009203	Birmingham 043C	2837	1005	1661	171	0
<input type="checkbox"/>	E01009482	Birmingham 048C	1721	581	1027	113	0
<input type="checkbox"/>	E01009483	Birmingham 051B	1851	663	1074	114	0
<input type="checkbox"/>	E01009484	Birmingham 048D	1755	571	1046	138	40
<input type="checkbox"/>	E01009485	Birmingham 048E	1835	821	1064	150	0
<input type="checkbox"/>	E01009489	Birmingham 051D	2001	711	1160	130	16

Click here to export to CSV

Selections box, displays a list of LSOAs contained in the boundary that was drawn.

Use the scroll bars to view all of the data available in local view

How to export the data in EXCEL

If you have selected more than one OA or LSOA you will need to sum the columns, don't forget to sum 'Area in hectares'.

Copy the column headings and the summed (total) for the column headings from the CSV file and paste into the EXCEL template available on the Birmingham Council Website:

'KS Profile for bespoke areas'

Open the EXCEL workbook and follow instructions on the 'read me tab' at the bottom of the page. This workbook will provide you with a single formatted page of Census data and comparisons with Birmingham and England.

Notes

1. An output area (OA) is the lowest level of geography for which 2011 Census statistics are available for. There are 3,223 OAs in Birmingham with an average population size of 330 people.

2. A lower super output area (LSOA) is made up of around 5 OAs, in Birmingham we have 639 LSOAs with an average population size of 1,680.

3. Map Layers

Map layers is a list of location based information that are available. You can choose layers by ticking the relevant checkbox.

Layers available in '2011 Census Key Statistics in Local View' are:

'Background mapping',

'Output area'

'Lower super output area;

4. Local view uses 7 operators to select OAs or LSOAs.

There is only one relevant to the Census version of the mapping package – 'Contains'. 'Contains' selects all whole LSOAs or OAs that fall within the boundary that has been drawn.

If the default operator ('Intersects') is selected, any LSOAs (whether whole or part) that are included or crosses the boundary that has been drawn, will be selected.