

## **Using NOMIS to determine the Rural-Urban Classification and Population for Output Areas for potential LEADER areas (ver2,170414)**

Potential LEADER areas need to be defined using 2011 Census Output Areas in order to determine the Rural-Urban Classification and population, which will be then used in considering eligibility, in discussion with local RDT contacts.

This step-by-step guide shows how this can be easily done, without any specific mapping or statistical expertise, or software, using the NOMIS on-line facility available via the Office for National Statistics.

NOMIS allows users to identify and select output areas on maps and very quickly extract the rural-urban classification and population figures, and then revise their selection if necessary.

Groups are strongly urged to use this system in order to get the information needed to define potential LEADER areas to submit to Defra for evaluation.

Groups should first simply identify the areas they wish to cover and select the output areas without worrying too much about whether the areas are rural or urban, as urban output areas can be taken out later in the process.

It is recognised that output areas are an artificial construct, which may not be recognisable on the ground. For the purposes of determining population, the LEADER area must be defined using output areas, as a “best fit” to the area that the Group wishes to cover in practise.

The version of the LEADER area as constructed using output areas is a necessary interim stage to determining the eligible area to be finally covered. Further details on determining eligibility will be made available in due course.

Further advice will be also available from the local RDT contact.

As a major development for urban-rural analysis, the 2011 Rural-Urban Classification has been integrated into NOMIS, a free ONS data service, to allow rural / urban analysis of 2011 Census data including for Output Areas.

This will be extremely helpful for Groups developing potential LEADER areas and in determining eligible areas and populations, prior to submitting a list of output areas to Defra.

This is a brief guide on how to use NOMIS for this purpose.

The NOMIS website is:

[www.nomisweb.co.uk](http://www.nomisweb.co.uk)

*It is recommended that you register as user though this is not essential*

You can construct a query, step by step via the *Wizard query* option, but by following the examples presented below you should be able to easily use the *Advanced query* facility

## nomis official labour market statistics



account	SUMMARY STATISTICS	DETAILED STATISTICS
<a href="#">sign in / register</a>	View a labour market profile of an area. Includes data on population, employment, unemployment, qualifications, earnings, benefit claimants and businesses. <ul style="list-style-type: none"> <li>▶ Regional and National</li> <li>▶ Local Authority (district/county areas)</li> <li>▶ Ward (smaller areas)</li> <li>▶ Local Enterprise Partnerships</li> <li>▶ 2010 Parliamentary Constituencies</li> </ul>	Create customised downloads from our full range of data sets. <ul style="list-style-type: none"> <li>▶ <a href="#">Wizard query</a> For beginners and casual users, query data one step at a time.</li> <li>▶ <a href="#">Advanced query</a> Query and download figures from a dataset.</li> </ul>
<b>need help?</b> <a href="mailto:support@nomisweb.co.uk">support@nomisweb.co.uk</a> 0191 334 2680 <a href="#">forum</a> <a href="#">ONS helpdesks</a> <a href="#">release dates</a> <a href="#">news</a>	<b>2011 CENSUS STATISTICS</b>	
<b>related links</b> <a href="#">National Statistics</a> <a href="#">Neighbourhood Statistics</a> <a href="#">more links...</a>	Data from the 2011 Census are now available on Nomis. <p><b>30 August 2013: This release consists of:</b></p> <ul style="list-style-type: none"> <li>• Local characteristics on health and unpaid care.</li> <li>• Detailed characteristics for demography and families.</li> <li>• Rural-urban classification with key statistics and quick statistics.</li> </ul> <p>▶ <a href="#">2011 Census Data on Nomis</a></p>	

### welcome to nomis

Nomis is a service provided by the Office for National Statistics, ONS, to give you free access to the most detailed and up-to-date UK labour market statistics from official sources.



## choose your dataset...

The rural / urban analysis is currently only available for 2011 Census Key Statistics and 2011 Census Quick Statistics.

### selection method

popular datasets

**by theme**

by geographic type

### by theme

Click on a dataset name to select it.

Data are not seasonally adjusted unless explicitly stated in the data set name.

- + Annual Civil Service Employment Survey
- + Annual Population Survey/Labour Force Survey
- + Annual Survey of Hours and Earnings
- + Business Register and Employment Survey/Annual Business Inquiry
- **Census of Population**
  - + 2011 Census - Detailed Characteristics
  - + 2011 Census - Local Characteristics
  - + 2011 Census - Key Statistics
  - + 2011 Census - Ad-hoc Tables
  - + 2011 Census - Quick Statistics
  - + 2001 Census
  - + 1991 Census
  - + 1981 Census
- + Claimant Count
- + DWP Benefits
- + Jobcentre Plus Vacancies
- + Jobs density
- + Population Estimates
- + UK Business Counts
- + VAT Registrations & Stocks
- + Workforce Jobs

Select 2011 Census Key Statistics

## choose your dataset...

### selection method

popular datasets

**by theme**

by geographic type

### by theme

Click on a dataset name to select it.

Data are not seasonally adjusted unless explicitly stated in the data set name.

- + Annual Civil Service Employment Survey
- + Annual Population Survey/Labour Force Survey
- + Annual Survey of Hours and Earnings
- + Business Register and Employment Survey/Annual Business Inquiry
- **Census of Population**
  - + 2011 Census - Detailed Characteristics
  - + 2011 Census - Local Characteristics
  - **2011 Census - Key Statistics**
    - KS101EW - Usual resident population
    - KS102EW - Age structure
    - KS103EW - Marital and civil partnership status
    - KS104EW - Living arrangements
    - KS105EW - Household composition
    - KS106EW - Adults not in employment and dependent children and persons with long-term health problems or disability for all households
    - KS107EW - Lone parent households with dependent children
    - KS201EW - Ethnic group
    - KS202EW - National identity
    - KS204EW - Country of birth
    - KS205EW - Passports held
    - KS206EW - Household language
    - KS207WA - Welsh language skills
    - KS208WA - Welsh language profile
    - KS209EW - Religion
    - KS301EW - Health and provision of unpaid care
    - KS401EW - Dwellings, household spaces and accommodation type
    - KS402EW - Tenure
    - KS403EW - Rooms, bedrooms and central heating
    - KS404EW - Car or van availability
    - KS405EW - Communal establishment residents
    - KS501EW - Qualifications and students
    - KS601EW to KS603EW - Economic activity by sex
    - KS604EW - Hours worked
    - KS605EW to KS607EW - Industry by sex
    - KS608EW to KS610EW - Occupation by sex
    - KS611EW to KS613EW - NS-SeC by sex

Then click on *Usual resident population*

# KS101EW - Usual resident population

Population : All usual residents  
Unit of measure : Persons

- data source**  
change dataset...
- options**  
geography  
variable  
percent  
rural - urban  
**review selections**
- results**  
format / layout  
download data

**Tip:** Use the "options" menu on the left to make your s

## review selections

Below is a summary of your current selections :

**GEOGRAPHY** This needs to be selected  
**VARIABLE** All usual residents (default)  
**PERCENT** value (default)  
**RURAL** Total (default)  
**URBAN**

Click here to make selections...

On selecting for example "Usual resident population" you are then asked for the Geography. Click here for the list of geographies

Note that rural / urban analysis is only available for country, regions or local authorities

# KS101EW - Usual resident population

Population : All usual residents  
Unit of measure : Persons

- data source**  
change dataset...
- options**  
**geography**  
search  
**select using list**  
select areas within  
load / save selections  
user defined  
variable  
percent  
rural - urban  
review selections
- results**  
format / layout  
download data

show all available... ▾

## commonly used

- None ▾ 2011 output areas
- None ▾ 2011 super output areas - lower layer
- Some ▾ 2011 super output areas - mid layer
- All ▾ 2011 wards
- None ▾ built-up areas ⓘ
- None ▾ built-up areas including subdivisions ⓘ
- None ▾ countries
- None ▾ english parishes / welsh communities
- None ▾ local authorities: county / unitary
- None ▾ local authorities: district / unitary
- None ▾ national assembly for wales constituencies
- None ▾ national assembly for wales electoral regions
- None ▾ parliamentary constituencies 2010
- None ▾ regions ⓘ

## postcode

- None ▾ postcode areas
- None ▾ postcode districts
- None ▾ postcode sectors ⓘ

## health areas

- None ▾ clinical commissioning groups (england) ⓘ

Select the geography you require. In this case 2011 output areas. Specify "some"

# KS101EW - Usual resident population

Population : All usual residents  
Unit of measure : Persons

## data source

change dataset...

## options

### geography

search

**select using list**

select areas within

load / save selections

user defined

### variable

percent

rural - urban

review selections

## results

format / layout

download data

> choose area type > 2011 output areas

South Oxfordshire

tick all

un-tick all

Use map

To see a map of the area, click the map icon (🗺️) next to its name

- 🗺️ E00145678
- 🗺️ E00145679
- 🗺️ E00145680
- 🗺️ E00145681
- 🗺️ E00145682
- 🗺️ E00145683
- 🗺️ E00145684
- 🗺️ E00145685
- 🗺️ E00145686
- 🗺️ E00145687
- 🗺️ E00145688
- 🗺️ E00145689
- 🗺️ E00145690
- 🗺️ E00145691
- 🗺️ E00145693
- 🗺️ E00145694
- 🗺️ E00145695
- 🗺️ E00145696
- 🗺️ E00145697
- 🗺️ E00145698
- 🗺️ E00145699
- 🗺️ E00145700
- 🗺️ E00145701

You then need to specify which local authority district you require from a drop down list.

If the potential LEADER area straddles local authority boundaries you will need to do this separately for each local authority covered.

If you already know the codes for the output areas you are interested in you can select them from the list

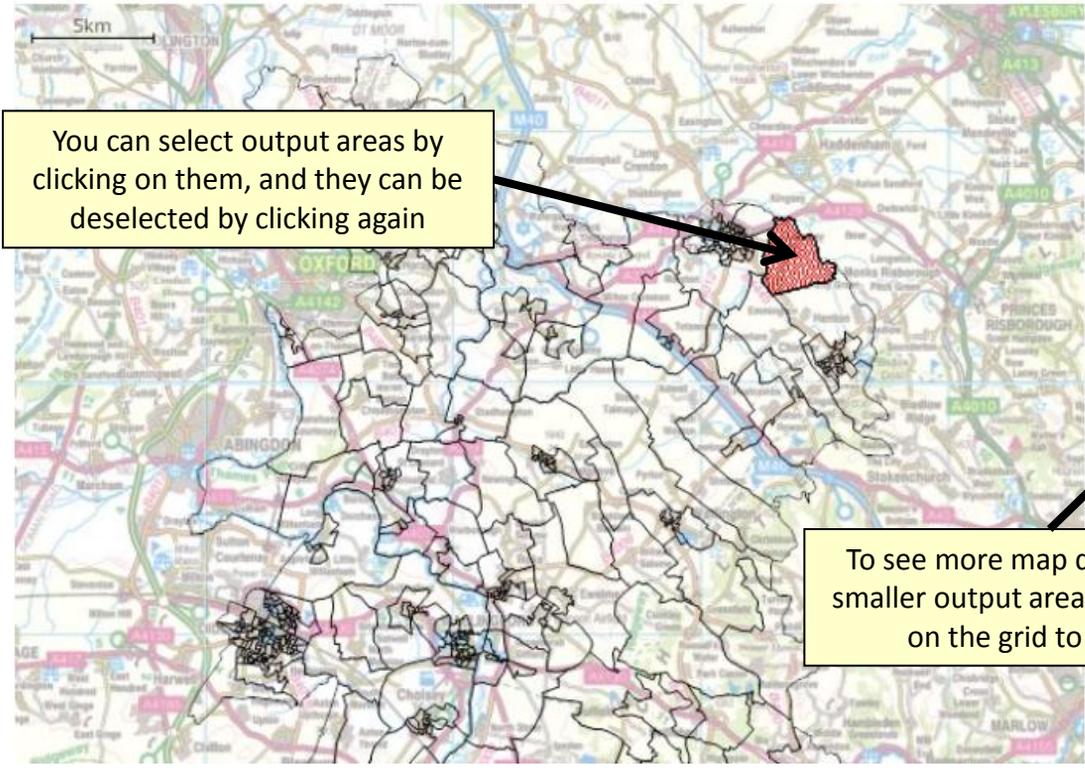
However there is also the option of selecting them on a map by ticking the box above

# resident population

> choose area type > 2011 output areas

South Oxfordshire    Use map

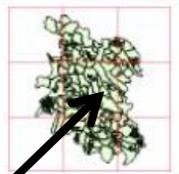
To see a map of the area, click the map icon (🗺️) next to its name.



To select an area, place your mouse over it and click.

You can zoom and navigate around by clicking the overview map below.

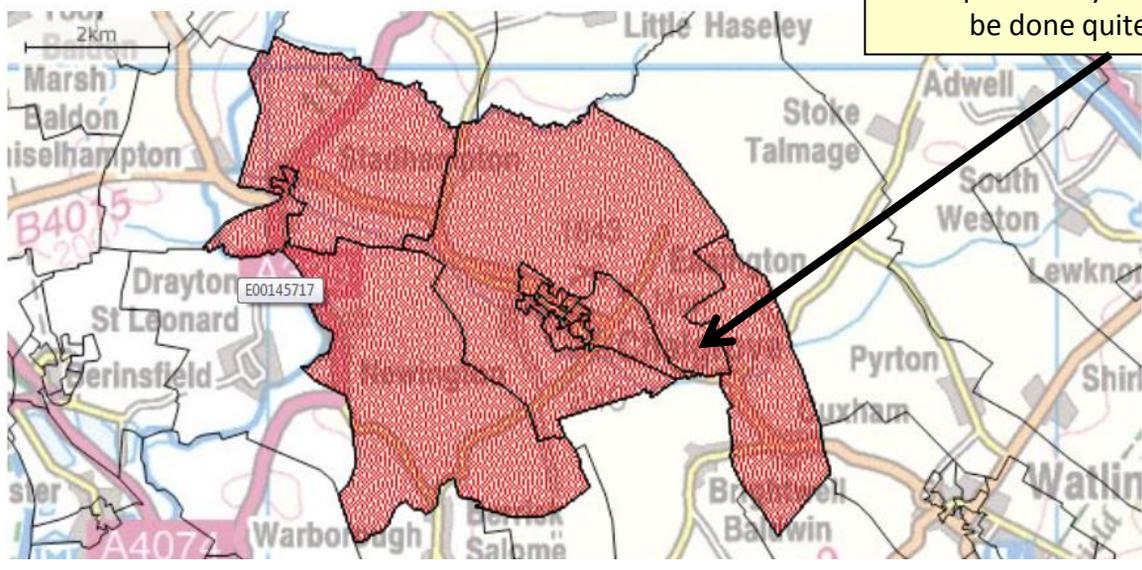
When zoomed in, use the 'zoom out' button to return to the original map view.



To see more map detail and the smaller output areas you can click on the grid to zoom in

South Oxfordshire    Use map

To see a map of the area, click the map icon (🗺️) next to its name.

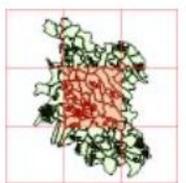


You can then build up the selection of output areas you want. This can be done quite quickly.

place your mouse over it and click.

You can zoom and navigate around by clicking the overview map below.

When zoomed in, use the 'zoom out' button to return to the original map view.



options

geography

- search
- select using list**
- select areas within
- load / save selections
- user defined

variable

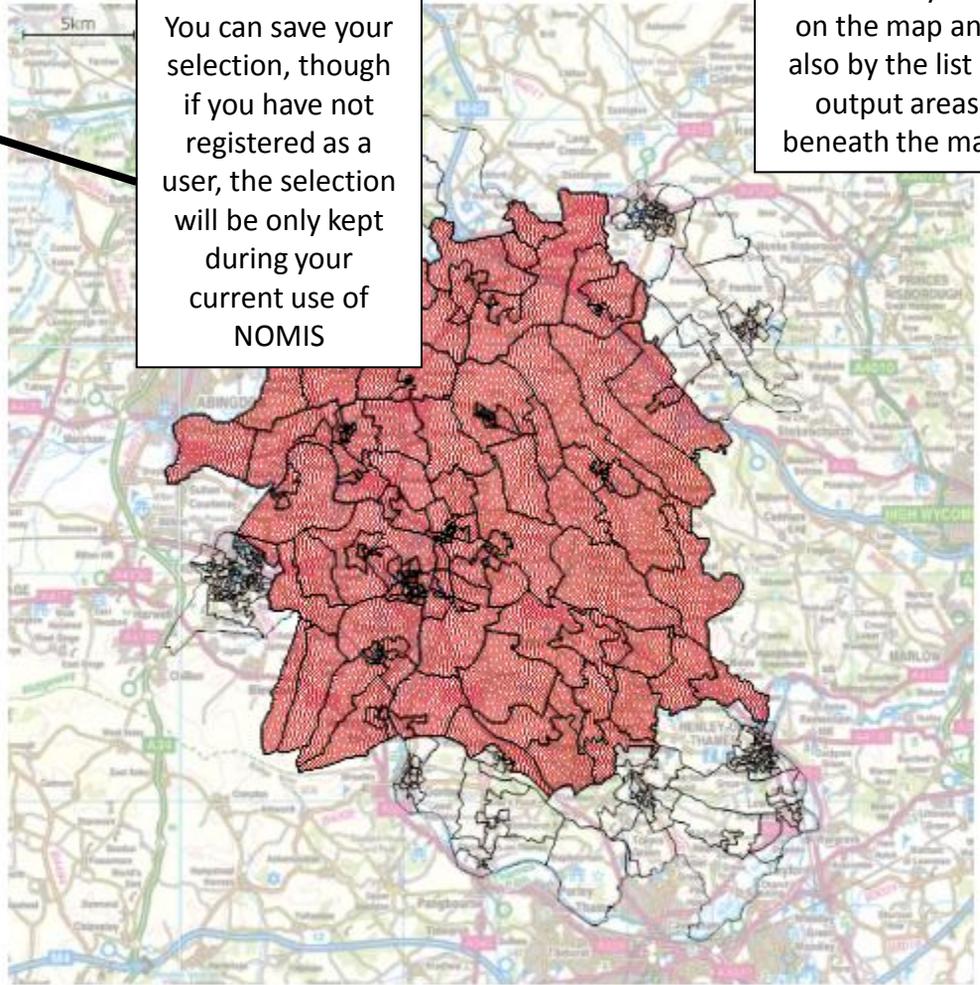
- percent
- rural - urban
- review selections

results

- format / layout
- download data

South Oxfordshire    Use map

To see a map of the area, click the map icon (🗺️) next to its name.



You can save your selection, though if you have not registered as a user, the selection will be only kept during your current use of NOMIS

Output areas selected by click on the map and also by the list of output areas beneath the map.

It may be quicker to identify a few output areas on the map and then find them in the list and tick a whole series of boxes to select neighbouring output areas, and then click on the map to switch off those not required.

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- 🗺️ E00145678
- 🗺️ E00145679
- 🗺️ E00145680
- 🗺️ E00145681
- 🗺️ E00145682
- 🗺️ E00145683
- 🗺️ E00145684
- 🗺️ E00145685
- 🗺️ E00145686

Each time you hover over an output area the code will be shown. So as an alternative approach you could initially skip the mapping stage and select all the output areas in the local authority to extract a look up table, and then afterwards select output areas on the map, with the knowledge of whether the output area you are looking at is rural or urban and what the population is.

- data source
- change dataset...
- options
- geography
- variable
- percent
- rural - urban
- review selections
- results
- format / layout
- download data

### Rural - Urban

This classification can only be used with the following geographies:

- Country
- Region
- Local Authority: District / Unitary
- Local Authority: County / Unitary

Tick to select all items in the column

- Total
  - Urban (total)
    - Urban major conurbation
    - Urban minor conurbation
    - Urban city and town
    - Urban city and town in a sparse setting
  - Rural (total)
    - Rural town and fringe
    - Rural town and fringe in a sparse setting
    - Rural village
    - Rural village in a sparse setting
    - Rural hamlet and isolated dwellings
    - Rural hamlet and isolated dwellings in a sparse setting

Select Urban and Rural (total)

After selecting the output areas, click on rural-urban

Then click on download data

### resident population

#### Your data is ready for Download

 [Download data for Excel 97-2003 \(.xls\)](#)

What next?

▶ New query

NOMIS will produce a spreadsheet to download.

- data source
- change dataset...
- options
- geography
- variable
- percent
- rural - urban
- review selections
- results
- format / layout
- download data

## KS101EW - Usual resident population

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population	All usual residents		
units	Persons		
date	2011		
variable	All usual residents		
2011 output area	Total	Urban (total)	Rural (total)
E00145682	336	0	336
E00145683	357	0	357
E00145685	310	0	310
E00145686	364	0	364
E00145687	277	0	277
E00145689	314	0	314
E00145690	356	0	356
E00145694	232	0	232
E00145695	283	0	283
E00145696	332	0	332
E00145697	299	0	299
E00145698	326	0	326
E00145699	208	0	208
E00145700	280	0	280
E00145701	343	0	343
E00145702	425	0	425
E00145703	357	0	357
E00145704	457	0	457
E00145705	354	0	354
E00145706	308	0	308
E00145707	270	0	270
E00145708	388	0	388
E00145709	277	0	277
E00145710	395	0	395
E00145711	224	0	224
E00145712	266	0	266
E00145713	297	0	297
E00145714	254	0	254
E00145715	267	0	267
E00145716	102	0	102
E00145717	342	0	342
E00145718	130	0	130
E00145719	360	0	360
E00145720	313	0	313
E00145721	357	0	357
E00145722	317	0	317
E00145723	342	342	0
E00145724	312	312	0
E00145725	264	264	0
E00145727	305	305	0
E00145729	140	0	140
E00145730	333	0	333
E00145731	292	0	292

The generated spreadsheet will list all the selected output areas, with the population split between Urban and Rural, and you can then sum the columns to determine the total rural population

Click on geography if you wish to revise or add to the selection

population

The screenshot shows the 'data source' menu on the left with 'geography' selected. The 'commonly used' list on the right contains various area types, with '2011 output areas' selected. Other options include '2011 super output areas - lower layer', '2011 super output areas - mid layer', '2011 wards', 'built-up areas', 'built-up areas including subdivisions', 'countries', 'english parishes / Welsh communities', 'local authorities: county / unitary', 'local authorities: district / unitary', 'national assembly for wales constituencies', 'national assembly for wales electoral regions', 'parliamentary constituencies 2010', and 'regions'. Below this is a 'postcode' section with options for 'postcode areas', 'postcode districts', and 'postcode sectors'.

Should you wish to change the selection, you can go back via *select using list* and then clicking again on *2011 output areas*

## KS101EW - Usual resident population

Population : All usual residents  
Unit of measure : Persons

The screenshot shows the 'choose area type' dropdown set to '2011 output areas'. Below it, a dropdown menu shows 'South Oxfordshire' selected. To the right are 'tick all', 'un-tick all', and 'Use map' buttons. A list of output areas follows, each with a checkbox and a map icon. The list includes areas like E00145678, E00145679, E00145680, E00145681, E00145682, E00145683, E00145684, E00145685, E00145686, E00145687, E00145688, E00145689, E00145690, E00145691, E00145693, E00145694, E00145695, E00145696, E00145697, E00145698, E00145699, E00145700, E00145701, E00145702, E00145703, E00145704, E00145705, E00145706, E00145707, E00145708, and E00145709.

You can select or deselect output areas using the list or going back to the mapping facility via *Use map*.

You will need to select the local authority district again, or select a different one.

Output areas are only listed by local authority, so if a potential LEADER area straddles different local authorities you will need to toggle between lists and maps, but the system will allow you to do this.

# KS101EW - Usual resident population

Population : All usual residents  
Unit of measure : Persons

## data source

change dataset...

## options

### geography

search

select using list

select areas within

load / save selections

user defined

## variable

percent

rural - urban

review selections

## results

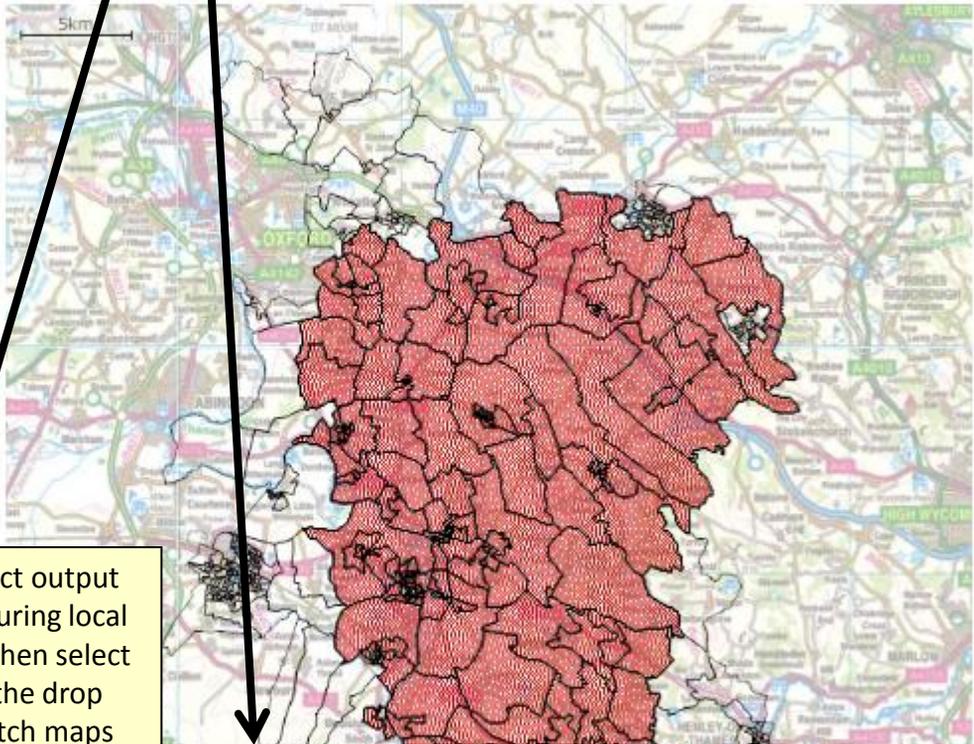
format / layout

download data

> choose area type > 2011 output areas

South Oxfordshire     Use map

To see a map of the area, click the map icon (🗺️) next to its name.



Revised map by selecting and deselecting output areas

If you wish to select output areas in a neighbouring local authority you can then select the authority in the drop down list and switch maps

Vale of White Horse     Use map

To see a map of the area, click the map icon (🗺️) next to its name.



## PLEASE NOTE:

NOMIS can be a little temperamental and it may not work switching between local authority areas, and you could lose your original selection, but it does work most of the time.

## KS101EW - Usual resident population

Population : All usual residents  
Unit of measure : Persons

The screenshot shows the 'data source' section with the breadcrumb '> choose area type > 2011 output areas'. Below this is a dropdown menu set to 'Vale of White Horse', with 'tick all' and 'un-tick all' buttons, and a 'Use map' checkbox. A note says 'To see a map of the area, click the map icon (📍) next to its name.' A list of 20 local authority areas follows, each with a checkbox and a map icon. The 'select using list' option in the left-hand 'options' menu is highlighted in red. A yellow callout box with a black border contains the text: 'Or you can switch authority area via *select using list* and selecting the local authority from the drop down list'. Two black arrows point from this callout box to the 'select using list' option and the dropdown menu.

data source > choose area type > 2011 output areas

change dataset...

options

geography

search

**select using list**

select areas within

load / save selections

user defined

variable

percent

rural - urban

review selections

results

format / layout

download data

Vale of White Horse    Use map

To see a map of the area, click the map icon (📍) next to its name.

- 📍 E00146108
- 📍 E00146109
- 📍 E00146110
- 📍 E00146111
- 📍 E00146112
- 📍 E00146113
- 📍 E00146114
- 📍 E00146115
- 📍 E00146117
- 📍 E00146118
- 📍 E00146119
- 📍 E00146120
- 📍 E00146122
- 📍 E00146123
- 📍 E00146124
- 📍 E00146125
- 📍 E00146126
- 📍 E00146127
- 📍 E00146128

Or you can switch authority area via *select using list* and selecting the local authority from the drop down list

You can at all stages save your selections, and when satisfied you can repeat the process to produce a new spreadsheet with the data.

You should send the final spreadsheet listing the output areas (with the population and rural-urban classification information) to Defra via your local RDT contact

Where possible you should provide mapping showing your intended area, and you should explain whether in practise the intention is cover output areas wholly or otherwise indicate where output areas are an approximation or “best fit” of the intended area to be covered.