

# **OUTPUT AREA 2011 TO LOWER LAYER SUPER OUTPUT AREA 2011 TO MIDDLE LAYER SUPER OUTPUT AREA 2011 TO LOCAL AUTHORITY DISTRICT 2011 (E+W) LOOKUP**



Title	Output Area 2011 to Lower Layer Super Output Area 2011 to Middle Layer Super Output Area 2011 to Local Authority District 2011 (E+W) Lookup
Alternative title	Output Area 2011 to Lower Layer SOA 2011 to Middle Layer SOA 2011 to LAD 2011 (E+W) Lookup
Alternative title	OA11_LSOA11_MSOA11_LAD11_EW_LU
Abstract	<p>This is a Lookup file between Output Areas and Lower Layer Super Output Areas and Middle Layer Super Output Area and Local Authority District at December 2011 in England and Wales.</p> <p>The 2001 Output Areas and Super Output Areas were maintained using 2011 Census data and are referred to as 2011 Output Areas and Super Output Areas.</p> <p>2001 OAs were modified where:</p> <ul style="list-style-type: none"> <li>- their 2011 population fell below 100 persons or 40 households: in which case it was merged with another OA.</li> <li>- their 2011 population rose above 625: in which case it was split into two or more OAs</li> <li>- they were aligned to local authority boundaries that had changed between 2003 and 2011.</li> <li>- they were independently assessed as lacking social homogeneity when they were created for 2001.</li> </ul> <p>Super Output Areas (SOAs) are a geographic hierarchy designed to improve the reporting of small area statistics. The 34,753 Lower Layer SOAs in England (32,844) and Wales (1,909) were built from groups of Output Areas that were created in 2003 and maintained in 2011. The LSOAs take into account the changes made at OA level and their boundaries are constrained to the 2011 Local Authority District boundaries. These changes mean that where possible, the LSOAs stay within the minimum and maximum ranges. They have a minimum of 1,000 residential population (an average of 1,600) and 400 households (an average of 650). The majority of Lower Layer SOAs have not changed since 2004, allowing time-series comparison of statistics at that level. Lower Layer SOAs are used as the building block for Middle Layer SOAs and several other geographies e.g. Cancer Networks.</p> <p>In consultation with local authorities, the 7,201 Middle Layer SOAs in England (6,791) and Wales (410) were built from groups of Lower Layer SOAs and are constrained by the 2011 local authority boundaries. They have a minimum of 5,000 residential population (an average of 7,700) and 2,000 households (an average of 3,200). Please note though that E02006781 (Isles of Scilly 001) is much smaller than this, but has been included as a pseudo-MSOA to give complete national coverage. Users should be aware of this when using MSOAs for statistical presentation. The majority of Middle Layer SOAs have not changed since 2004, allowing time-series comparison of statistics at that level.</p> <p>Local Authority Districts (LADs) is a generic term to describe the 'district' level of local government in England and Wales. It includes non-metropolitan districts, metropolitan districts, unitary authorities and London boroughs in England; and Welsh unitary authorities. The areas are made up of whole electoral wards/divisions.</p> <p>Please also note that the file format is .csv or .txt. This means that when importing the file into Access, you will need to set the delimiter to double quotes, so that all names within the file are displayed correctly.</p> <p>Due to the file containing Welsh characters, the file format of .csv and .txt cannot display them correctly so a .xls file has been supplied which shows the characters in their correct form.</p>

## **Unique resource identifier**

### **Identifier**

Code OA11\_LSOA11\_MSOA11\_LAD11\_EW\_LU

Dataset English  
Language

### **OnLine resource**

OnLine resource [Guide to the Output Areas](#)

### **OnLine resource**

OnLine resource [Guide to Super Output Areas](#)

### **OnLine resource**

OnLine resource [Guide to Beginner's Guide - Administrative](#)

## **Spatial Reference System**

### **Reference system**

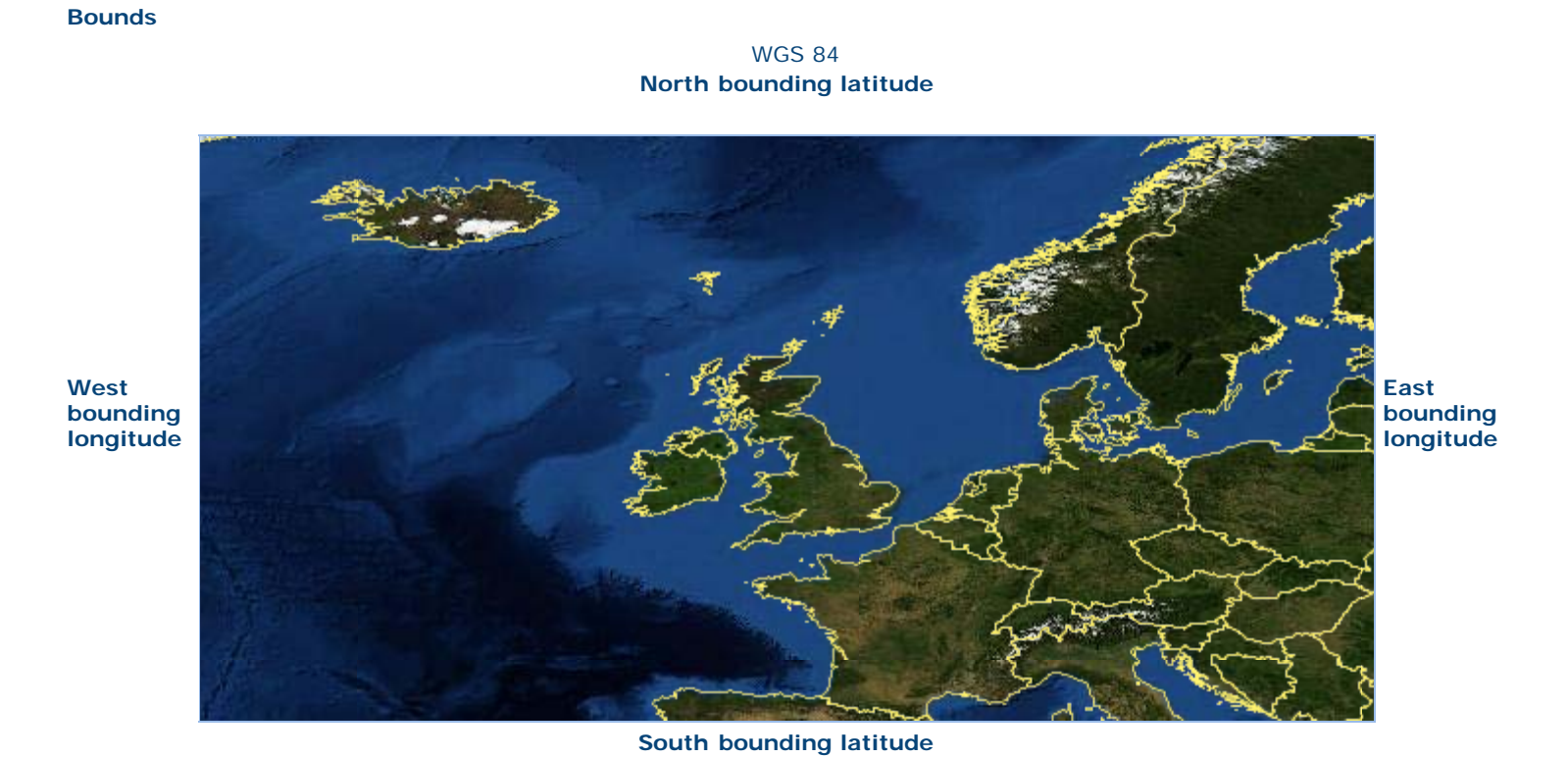
#### **Reference system identifier**

Identifier	
Identifier	OSGB 1936 / British National Grid (EPSG:27700)
Codespace	EPSG

Topic category	
Topic category code	Society

Keyword	Output Area, OA , Lower Layer Super Output Area, LSOA , Lower Layer SOA, Middle Layer SOA , Middle Layer Super Output Area, MSOA , Local Authority District, LAD , London Borough, LONB , Metropolitan District, MD , Non-metropolitan District, NMD , Unitary Authority, UA , England and Wales, EW, E+W , Wales, WA, Wal , England, Eng, EN .
Keyword	Administrative units , Geographical names (theme).

Geographic element



Temporal Extent	
Temporal Extent	
Temporal Extent	
Time period	
Begin date	2011-12-31 2011-12-31
End date	2011-12-31 2011-12-31

Dataset Reference Date

<b>Date</b>	
Date	2011-12-31
Date type	<b>Publication:</b> Date identifies when the resource was issued
Frequency of update <b>As needed:</b> Data is updated as deemed necessary	
<b>Data quality info</b>	
<b>Data quality</b>	
<b>Scope</b>	
Scope	
Hierarchy level	<b>Dataset:</b> Information applies to the dataset
<b>Report</b>	
<b>Domain consistency</b>	
<b>Result</b>	
<b>Conformity</b>	
<b>Specification</b>	
<b>Citation</b>	
Title	COMMISSION REGULATION (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services
<b>Date</b>	
<b>Date</b>	
Date	2010-12-08
Date type	<b>Publication:</b> Date identifies when the resource was issued
<b>Explanation</b>	
Explanation	<a href="http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2010:323:0011:0102:EN:PDF">http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2010:323:0011:0102:EN:PDF</a>
<b>Degree</b>	
Degree	true
<b>Lineage</b>	
<b>Lineage</b>	
Lineage	<p>97.4% of the 2001 OAs are unchanged in the 2011 set of OAs. Changes to the 2.6% of the 2001 OAs that did change were where they were either split or merged as a result of significant population change, to align with local authority boundaries changed since 2003, or where they were changed to improve their social homogeneity.</p> <p>The 2011 Lower Layer Super Output Areas were created by applying 2011 Census population data to the 2001 LSOAs. Only 1.1% of the 2001 LSOAs were changed as a result of population change since 2001.</p> <p>The 2011 Middle Layer Super Output Areas were created by applying 2011 Census population data to the 2001 MSOA's. Only 0.1% of the 2001 MSOA's were changed as a result of population changes since 2001.</p> <p>The Local Authority District names were taken from the Statutory Instrument (SI) and the codes were created by ONS.</p>
<b>Data format</b>	
<b>Format</b>	

Name	.csv
Version	v2

Data format

Format	
Name	.txt
Version	v2

Resource constraints

Legal constraints	
Use constraints	Licence
Use constraints	Copyright Statement to be used in conjunction with the 'Open Government Licence'
Use constraints	Contains National Statistics data © Crown copyright and database right [2012]
Access Constraints	<b>Other restrictions:</b> Limitation not listed
Limitations on public access	Other Restrictions

Resource constraints

Constraints	
Use constraints	<a href="#">Link to the Open Government Licence</a>

Responsible organisation

Organisation name	Office for National Statistics
Contact Position	ONS Geography Customer Services
Responsible Party Role	<b>Point of contact:</b> Party who can be contacted for acquiring knowledge about or acquisition of the resource

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Metadata point of contact

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Contact	ONS Geography Customer Services

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Metadata Date 2012-11-02T08:51:23

File identifier 1ef0f33c-95ac-4ad4-a8dd-60557a1ed1ec

Metadata language English

Resource Type **Dataset:** Information applies to the dataset