

Metadata for Access Integration data

Version 2 – 2nd April 2009

Datasets contained in the aggregated data:

- Agri-environment scheme permissive access (routes and open access)
- CROW access land (including registered common land and Section 16)
- Country Parks
- Cycleways (Sustrans Routes) including Local/Regional/National and Link Routes
- Doorstep Greens
- Local Nature Reserves
- Millennium Greens
- National Nature Reserves (accessible sites only)
- National Trails
- Public Rights of Way
- Forestry Commission 'Woods for People' data
- Village Greens – point data only

Data fields

The final layer is called “v3FINAL_England_Integrated_Access_layer” and is located within the “Integrated_Access_datasets” ESRI File Geodatabase

LSOA Area – Area (in hectares) of the LSOA

PolynonS4 – for each LSOA, the aggregated and merged area of all the polygon data apart from Section 4 CROW access

S4erased – for each LSOA, the area of Section 4 CROW access *where this does not overlap* with any of the other categories of access

Polytotal – for each LSOA, the total area of access land.

LinearTot – for each LSOA, the total length in metres of all the linear access (PRoW / National Trails / Cycleways / Ag-env permissive paths)

Lin_Area – the above figure converted to an area, assuming average 3m wide path (total in meters x 3 / 0.0001 to give area in hectares)

VGren_Area – the area of village green in each LSOA – this is point based data, and therefore separate from the above categories

TotalAcces – for each LSOA the total amount of accessible land (i.e from all of the categories above)

PerAccess – the percentage of the LSOA that is under access ($((100/LSOA) * TOTAL)$)

AREARank1 – all LSOAs in England ranked by the amount of access they contain from 1(good) to 32,482(poor) : Note there are 5,128 LSOAs with no access, these are ranked as 32,482

PERRank1 – all LSOAs in England ranked by the percentage of their area covered by access, again from 1 to 32,482. As before no access = Rank of 32,482

Displaying the data

Feel free to use the data in whatever way you like, listed below are the scales / legends that I used when compiling the national maps.

LSOA – area covered by access:

The Total field is displayed using graduated colours classified by the “Geometric Interval” method in ArcMap. This is useful when you have a wide spread of data values as it allows both high and low values to be shown at the same detail.

Zero values are saved out and displayed as a separate dataset in black

LSOA – ranked by % cover of access:

The AREARank1 field is displayed using graduated colours classified by the “Equal Interval” method – I have used 8 classes to give a 12.5% interval ($100 / 8$). This gives you the bottom 12.5% to the top 12.5% of LSOAs in England.

Again, zero values are first stripped out (using Definition Query "AREARank1" >32,482) and displayed as a separate feature class in black.

Creating regional cuts of the data

You may want to create regional cuts of the data, in order to compare LSOA's within your region, instead of looking at the national picture.

To do this (using a copy of the national data saved to your local Drive):

- Select out the LSOA's that fall within your region (or compare with the previous dataset) and export to a new dataset.
- Make a note of the number of LSOA's in the region, and then query the data to find out how many of the LSOA's have no access.
- Create two new fields Reg_Area_Rank and Reg_Per_Rank
- Export the attribute table to a dbf file
- Load the dbf in Excel, select all the records and sort descending on the Total Access field
- Starting with the LSOA with the most access, populate the Reg_Area_Rank field. Give the LSOA with most access a rank of 1, the next most access as 2 etc (once you have added 1 & 2, you can highlight them in Excel and drag downwards to auto populate the rest of the values) – when you get to the first record with no access, assign this and all other records with no access a rank value of the last record (i.e the total number of LSOA's in your region)
- Repeat the last two steps for the PerAccess field, populating the Reg_Per_Rank column
- Delete all fields in the dbf apart from LSOA04CD, Reg_Area_Rank and Reg_Per_Rank
- Ensuring that all records are selected, save the dbf
- In ArcGIS open your new regional dataset and the dbf file
- Join the two on the LSOA04CD field using the “Join Attributes from a table” method
- Re-export to a new dataset and delete the duplicated fields
- Display the data as described in the previous section