

Recording Past and Present Land Use in Birmingham – the Historic Landscape Characterisation (HLC)

Part 2 – Data Visualisations

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Historic England



Birmingham City Council

Overview

- Continuing from **Part 1 – Project Overview**, this **second** presentation covering the Birmingham HLC and its uses, consists mainly of sequences of ‘thematic timeslice’ maps.
- The sequences illustrate the visualisation potential of HLC data and its ability to represent graphically various historic evolutions in an easy to understand, user friendly format, suitable for (almost) everyone, regardless of their level of previous knowledge of the subject matter.
- The ‘timeslices’ included in the slides, have been generated from the HLC database as thematic maps, using MapInfo GIS software, and aim to illustrate general or specific aspects of the historic development of Birmingham, as reflected by its land use changes captured by this HLC.

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1. Birmingham Landscape Character Areas

- This displays the current (2014) predominant character of the 111 historic landscape character areas of Birmingham, using broad land use type data.
- A noticeable difference can be observed between the overall character of the character areas located along the Tame and northern Rea valley corridors down into Central Birmingham, and the neighbouring character areas to the north (including Sutton Coldfield), south and east – which appear to be predominantly residential and/or recreational in their character.
- This is undoubtedly the result of differences in the historic landscape evolutions between these areas, that were captured by the original HLC records, from which the character areas were later on aggregated.

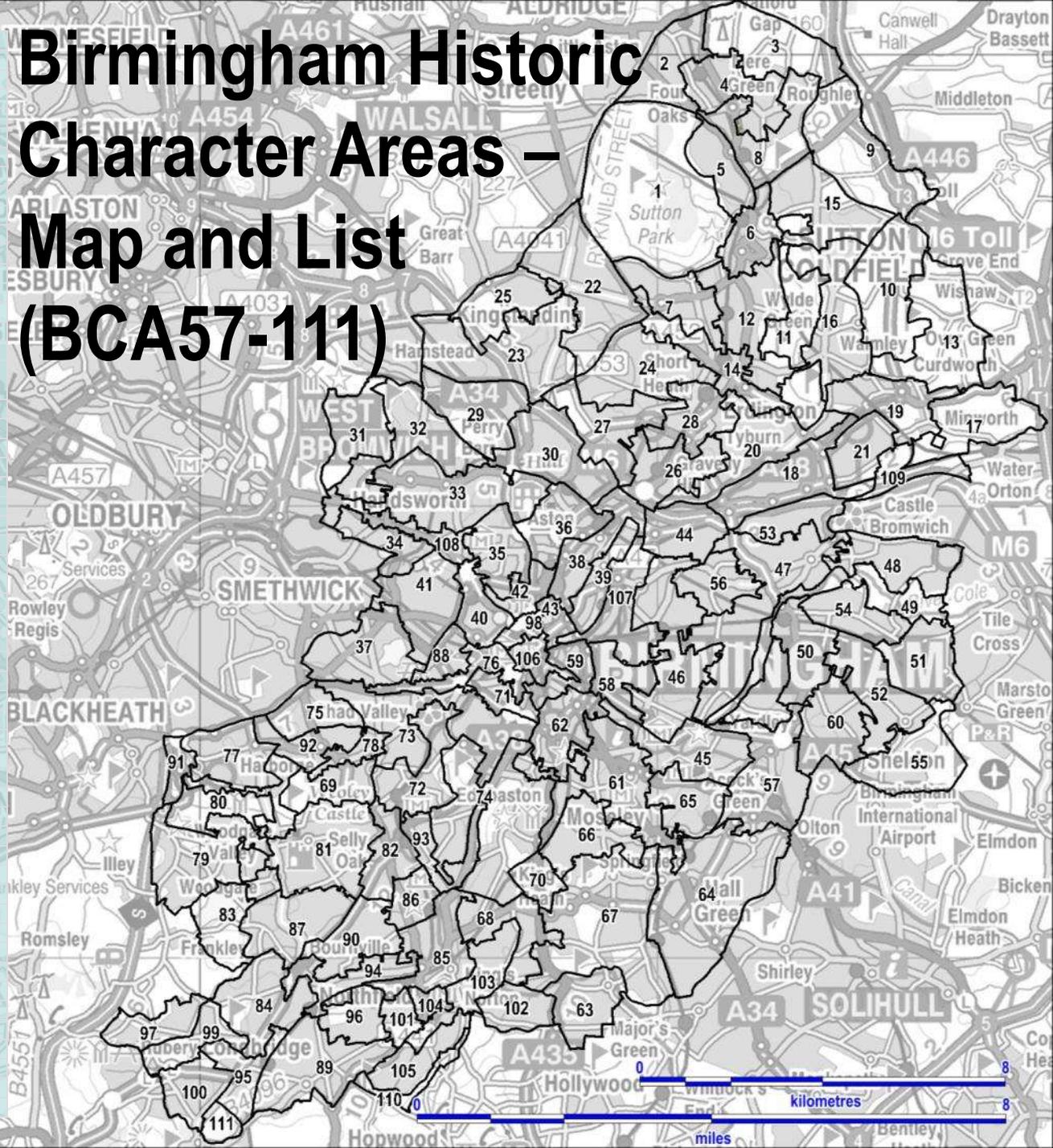
Birmingham Historic Character Areas – Map and List (BCA1-56)

- BCA1 Sutton Park
- BCA2 Four Oaks Common - Hook Hill
- BCA3 Hill Wood - Roughley
- BCA4 Hill - Little Sutton
- BCA5 Four Oaks Estate - Tudor Hill
- BCA6 Sutton Coldfield Centre - Maney
- BCA7 Boldmere
- BCA8 Four Oaks - Ley Hill - Mere Green - Moor Hall - Roughley
- BCA9 Slade Farm - Fox Hill - Ashfurlong Hall - High Heath - Withy Hill
- BCA10 Brookhouse Farm - Langley Hall/Heath - Signal Hayes - Peddimore Hall
- BCA11 Plantsbrook (Ebrook) Valley
- BCA12 Maney Hill - Wyld Green - Eastern Green Lanes
- BCA13 Ox Leys - Over Green - Wiggins Hill - Hurst Green - Walmley Ash
- BCA14 Chester Road
- BCA15 Whitehouse Common - Boot Hill - Reddicap Hill/Heath - Falcon Lodge
- BCA16 New Hall (Manor) Estates - Signal Hayes - Thimble End - Walmley
- BCA17 Minworth Sewage Treatment Works
- BCA18 Jaguar Plant - Fort Dunlop - The Fort Shopping Park - Bromford Lane
- BCA19 Minworth - Walmley Ash
- BCA20 Tyburn - Eastern Moor End Green - Jollyfields - Woodlands
- BCA21 Castle Vale Estate (Berwood)
- BCA22 North-Eastern Kingstanding Estate - Western Perry Common
- BCA23 South-Western Kingstanding Estate - Perry Beeches
- BCA24 Perry Common - Witton Lodge - Western Short Heath
- BCA25 Old Oscott - Queslett
- BCA26 Gravelly Hill - Erdington Slade - Wood End - Birches Green
- BCA27 (Upper) Witton - Stockland Green - Brookvale - Bleak Hills - Marsh Lane
- BCA28 Erdington Village
- BCA29 Hamstead Village - Tower Hill Estate - Perry Village/Hall/Park
- BCA30 Perry Barr - (Lower) Witton
- BCA31 Handsworth/Hilltop Golf Courses - Hill Top Farm - Handsworth Cemetery
- BCA32 The Austins - Hamstead - Cherry Orchard - Handsworth Wood - Heathfield
- BCA33 Central Handsworth - Handsworth Wood/Park - Church Hill - Birchfield
- BCA34 South Handsworth - North-Western Winson Green
- BCA35 Lozells - Newtown
- BCA36 Central & Western Aston - Western Duddeston - Aston Park
- BCA37 Rotton Park - Eastern Bearwood
- BCA38 Eastern & Northern Aston - Northern Nechells
- BCA39 Ashted - Duddeston - Nechells Green - Nechells Park
- BCA40 Central Birmingham's 'Jewellery Quarter' (Warstone - Hockley - Sandpits)
- BCA41 Winson Green - Gib Heath - Brookfields - All Saints - Icknield Loop/Port
- BCA42 Central Birmingham's 'Gun Quarter' - New Town Row
- BCA43 Central Birmingham's 'Learning Quarter'
- BCA44 Western Nechells - Northern Washwood Heath
- BCA45 Hay Mills/Hall - Red Hill - North Tyseley - South East Small Heath
- BCA46 Washwood Heath - Saltley - Bordesley Green - Little Bromwich - Small Heath
- BCA47 Hodgheill - Ward End - Alum Rock - Bordesley Green East - Yardley Fields
- BCA48 Buckland End - Shard End - Southern Castle Bromwich
- BCA49 Kingfisher (Cole Valley) Country Park
- BCA50 Yardley Village - Stechford
- BCA51 Tile Cross - Eastern Kitt's Green - Mackadown Lane
- BCA52 Northern Sheldon Village - Radleys - Garrett's Green - Meadway - Lea Hall
- BCA53 North Hodge Hill - Bromford Estate
- BCA54 Glebe Farm - Lea Hall - Kitts Green
- BCA55 Sheldon Village - Lyndon End - Wells Green - Sheldon Country Park
- BCA56 Alum Rock - Ward End - Eastern Washwood Heath

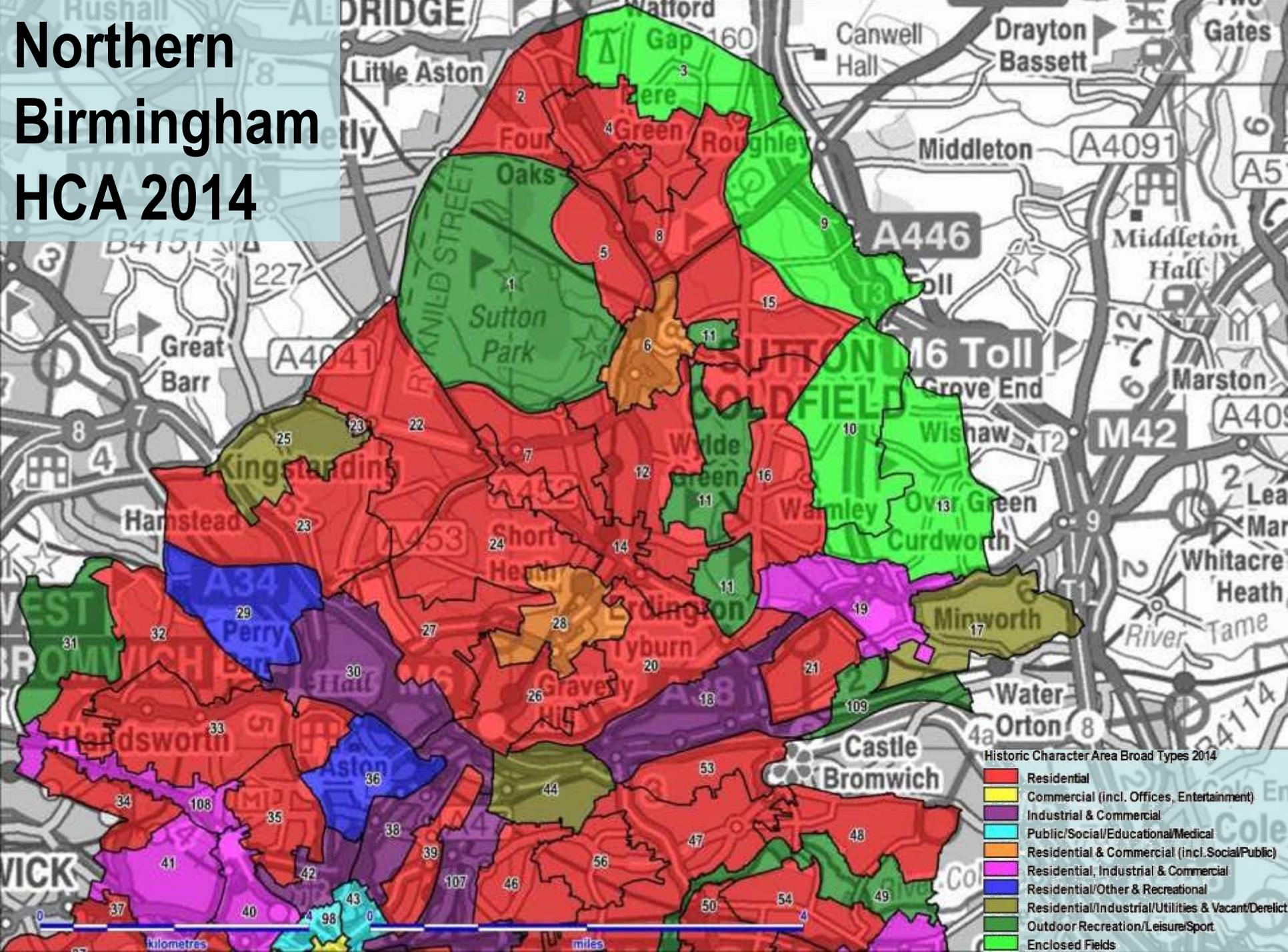


Birmingham Historic Character Areas – Map and List (BCA57-111)

- BCA57 South Yardley - Stockfield - Coventry Road - Acocks Green
- BCA58 Bordesley - Western Small Heath
- BCA59 Digbeth/Deritend (excl. High St.) - West Bordesley
- BCA60 Yardley Village - Cockshut Hill - Lyndon Green - Giberlstones - Lyndon End
- BCA61 Sparkhill - Sparkbrook - Hall/Showell Green - Balsall Heath - Moseley Village
- BCA62 Highgate - Balsall Heath
- BCA63 Highter's Heath - Warstock - Maypole - Hollywood
- BCA64 Southern Acock's Green - Fox Hollies - Hall Green - Eastern Yardley Wood
- BCA65 Tyseley - Greet - Shaftmoor Lane
- BCA66 Eastern Moseley - Wake Green
- BCA67 Springfield/Sarehole - Billesley/Common - Yardley Wood - Warstock
- BCA68 Alcester Lane's End - King's Heath - Brandwood End - Hazelwell
- BCA69 Harborne Village ('Town') - South Harborne
- BCA70 King's Heath High Street
- BCA71 Tennant Street - Lee Bank - Sherlock Street
- BCA72 Birmingham University - Queen Elizabeth Hospital
- BCA73 Northern, Eastern & Western Edgbaston
- BCA74 Selly, Calthorpe, Canon Hill, Moseley, Highbury & King's Heath Parks - Edgbaston Golf Course - Moor Green - Rea Valley
- BCA75 Beech Lanes - Lordswood - Ravenhurst
- BCA76 Central Birmingham's 'Entertainment District'
- BCA77 East Quinton - Ridgacre - World's End
- BCA78 Harborne High Street - Harborne Heath
- BCA79 World's End - Harts Green - California - Woodgate - Bartley Green - Kitwell
- BCA80 Woodgate Valley Country Park
- BCA81 Lodge Hill - Weoley Castle - Selly Oak
- BCA82 Selly Oak Village - Harborne Lane - Griffin's Hill
- BCA83 Frankley & Bartley Green Reservoirs - Senneleys Park
- BCA84 South-Western Northfield - Northern Longbridge
- BCA85 Stirchley - Cotteridge - Breedon Cross - Lifford
- BCA86 Cadbury's Bournville Works & Bournville Model Village
- BCA87 Shenley Fields - Ley Hill - Northfield Manor
- BCA88 Ladywood
- BCA89 Eastern Longbridge - Turves Green - Coombes Farm - West Heath
- BCA90 Griffin's Brook - Row Heath - Hay Green - Northern Northfield
- BCA91 Quinton Village - Southern Quinton
- BCA92 Court Oak - Queen's Park - Harts Green - Moorcroft
- BCA93 Bournbrook - Ten Acres
- BCA94 Northfield Village - Middleton Hall - Western Cotteridge
- BCA95 Longbridge Town (former Austin/Rover Longbridge Motor Works)
- BCA96 Western King's Norton
- BCA97 New Frankley in Birmingham
- BCA98 Central Birmingham's 'Civic & Business District'
- BCA99 Rubery - Hollymoor - Frankley Beeches
- BCA100 Rednal - Rednal Hill - Leach Green/Heath - Colmer's Farm
- BCA101 New House Farm Estate - South-Western King's Norton
- BCA102 Druids Heath - Monyhull - Maypole
- BCA103 Brandwood - Lindswoth/Broad Meadow - Walker's Heath - Masshouse Farm
- BCA104 King's Norton Village Green - Wharf Road - King's Norton Park
- BCA105 King's Norton Tree Estates (Hawkesley - Pool Farm - Primrose Hill)
- BCA106 Central Birmingham's Commercial & Historic Core
- BCA107 Eastern Nechells, Duddeston & Vauxhall/Ashted - Salfley - Bordesley Green
- BCA108 Middlemore Rd. - Holyhead Rd. - Soho Hill/Rd. - Villa Rd. - Hunters Rd.
- BCA109 Park Hall Nature Reserve - Castle Vale Football Ground/Equestrian Centre
- BCA110 Wast Hills Golf Centre - Red Hill - Walker's Heath Farm - Moundsley Park
- BCA111 Cofton Park

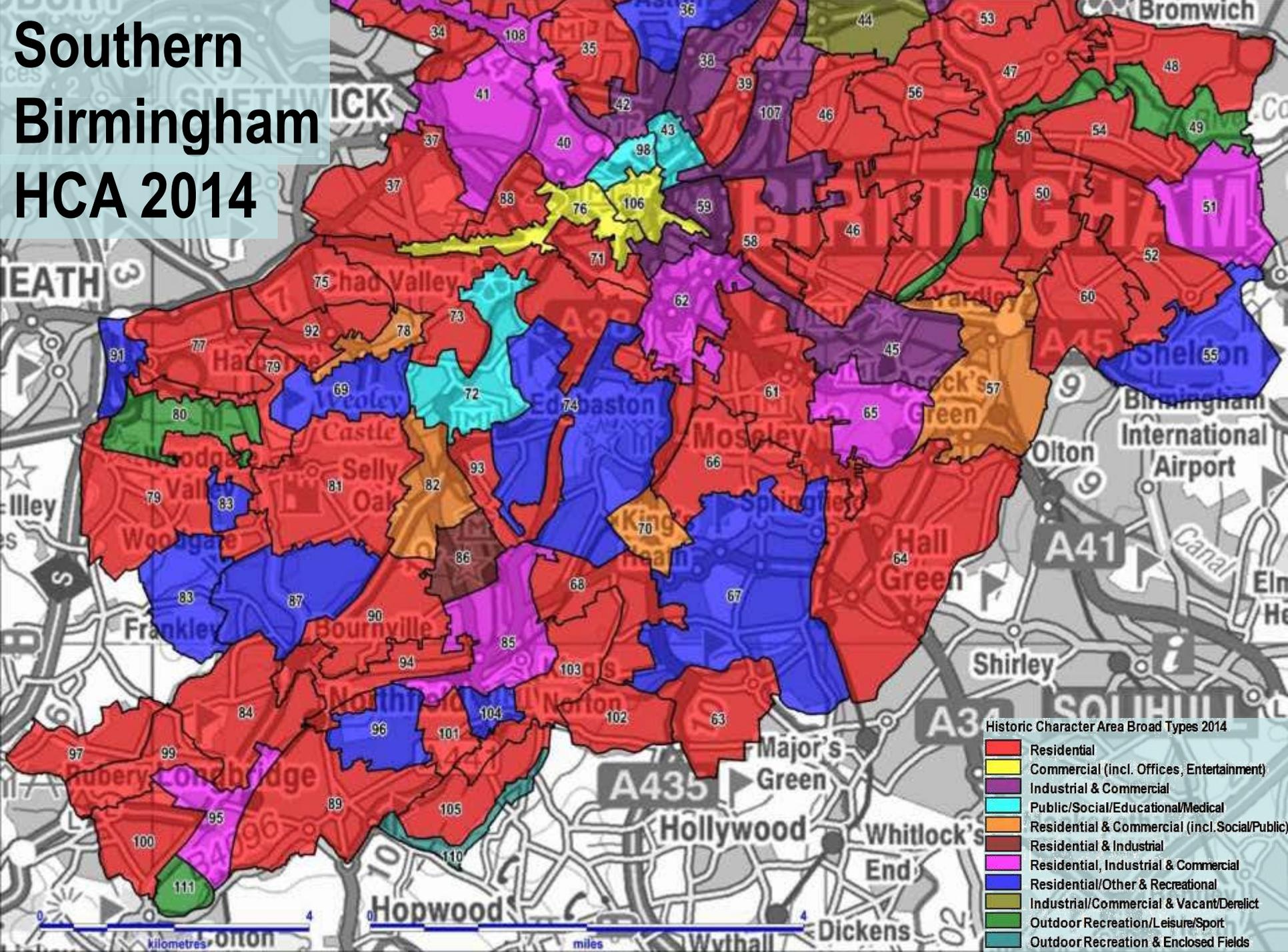


Northern Birmingham HCA 2014



- Historic Character Area Broad Types 2014
- Residential
 - Commercial (incl. Offices, Entertainment)
 - Industrial & Commercial
 - Public/Social/Educational/Medical
 - Residential & Commercial (incl. Social/Public)
 - Residential, Industrial & Commercial
 - Residential/Other & Recreational
 - Residential/Industrial/Utilities & Vacant/Derelict
 - Outdoor Recreation/Leisure/Sport
 - Enclosed Fields

Southern Birmingham HCA 2014



- Historic Character Area Broad Types 2014**
- Residential
 - Commercial (incl. Offices, Entertainment)
 - Industrial & Commercial
 - Public/Social/Educational/Medical
 - Residential & Commercial (incl. Social/Public)
 - Residential & Industrial
 - Residential, Industrial & Commercial
 - Residential/Other & Recreational
 - Industrial/Commercial & Vacant/Derelict
 - Outdoor Recreation/Leisure/Sport
 - Outdoor Recreation & Enclosed Fields

0 4 0 4
kilometres miles

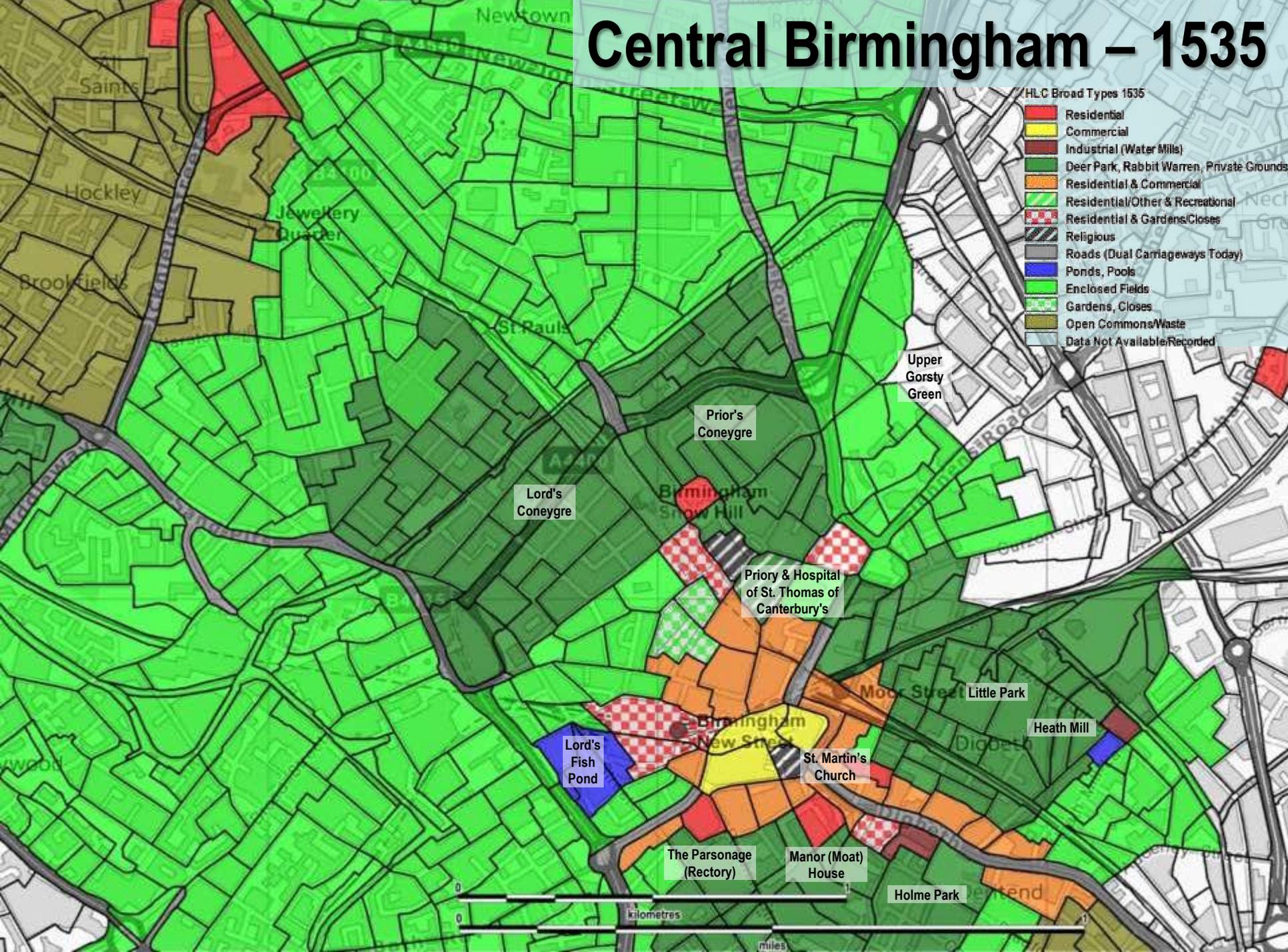
2. Seven Centuries of Landscape Evolution in Central Birmingham (1340-2014)

- This thematic map sequence aims to illustrate the evolution of the historic core of Birmingham and its surrounding areas, including Ladywood, Hockley, Digbeth and Deritend, and the Jewellery, Gun, Business, Entertainment and Learning 'Quarters'.
- The first two maps (1340 and 1535) are based on maps and plans of Medieval and Tudor Birmingham town/parish reconstructed by modern historians – and thus the neighbouring Aston parish to the East is left blank – while later maps rely on actual plans and maps of the city centre and its surroundings, from 1731 onwards, right up to the present day.
- *NOTE: The only roads recorded by the Birmingham HLC are the current dual carriageways – including their 'predecessors' along (part of) the same route – and also the motorways.*

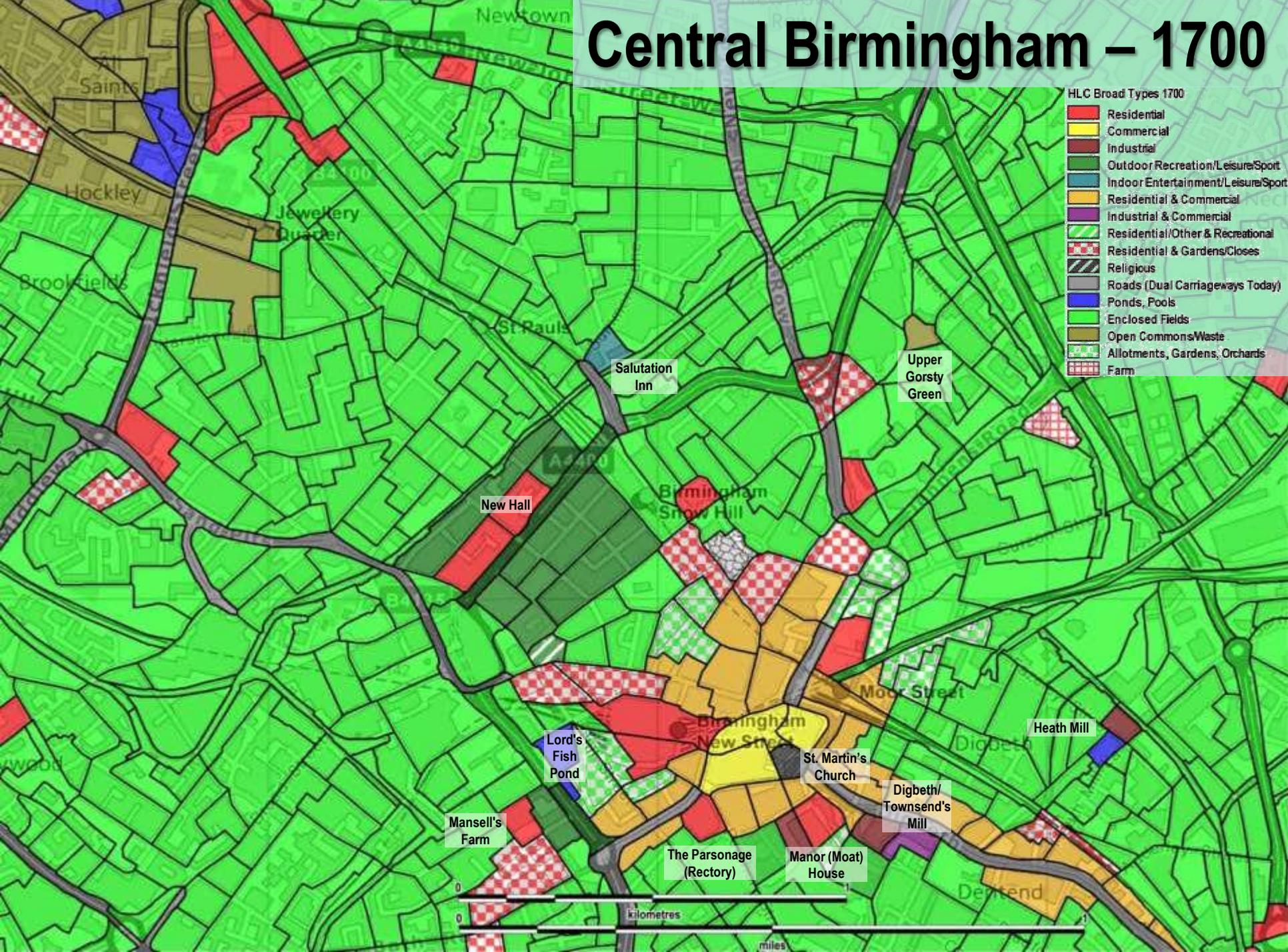
2. Seven Centuries of Landscape Evolution in Central Birmingham (cont'd)

- **Despite any limitations and inaccuracies, this sequence illustrates well historic evolutions of central Birmingham's landscape such as:**
 - **Its late Medieval landscape dominated by a mixture of enclosed fields, deer parks and rabbit warrens, commons and waste.**
 - **Its fast urban growth from the 1700s onwards, and the evolving ratio between residential, commercial and residential land uses.**
 - **The development and evolution of the Jewellery Quarter area's character, as reflected by changes in its dominant land use types.**
 - **The impact of the arrival of canals, railways and (later on) dual-carriageway roads upon the location and nature of industry, trade and housing located along, around and in-between them.**
 - **The huge post-war changes: the creation of Ring Roads and the Bull Ring, the decline of manufacturing and the disappearance of mixed industrial and residential areas (the 'slum clearance').**

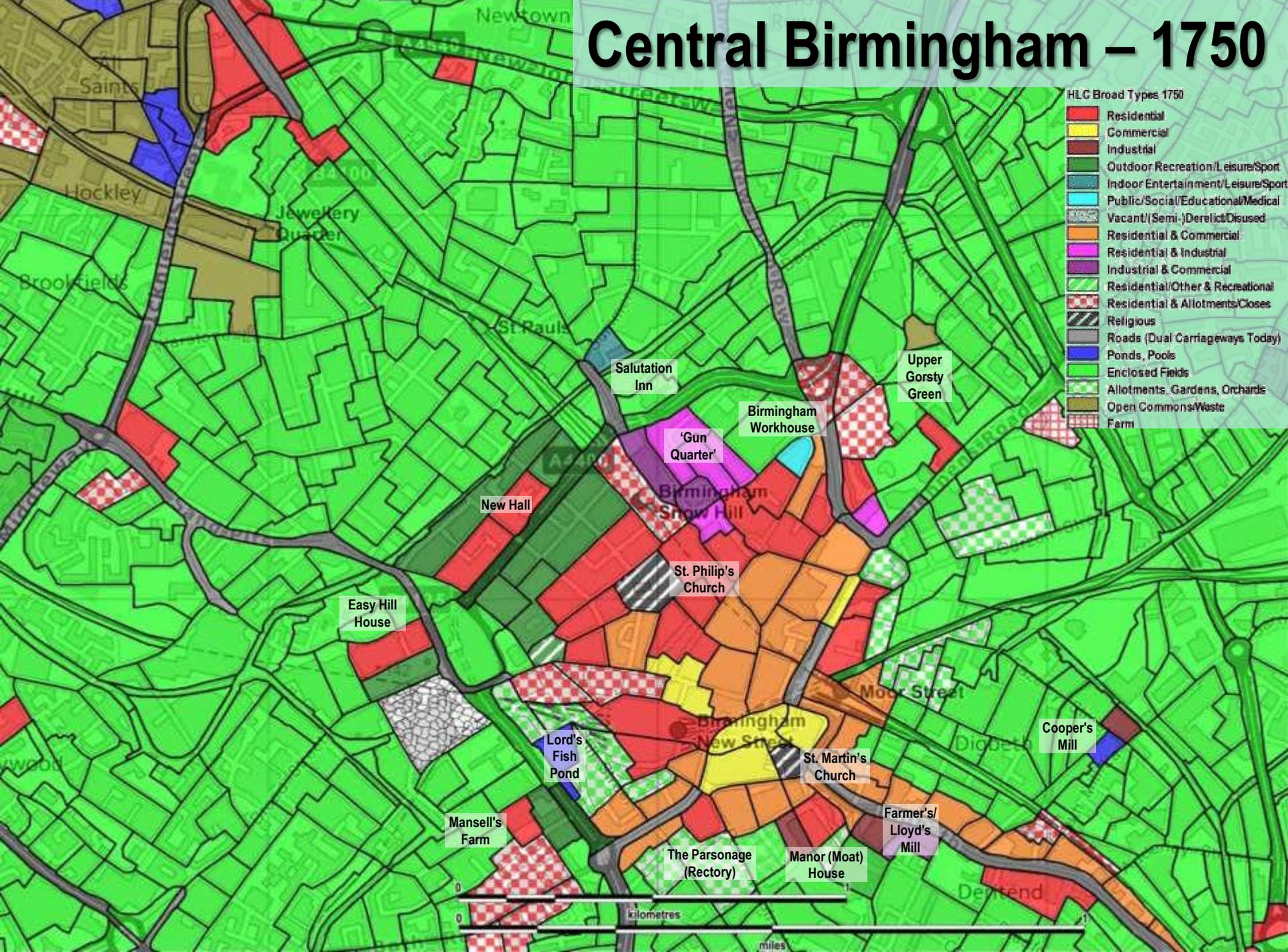
Central Birmingham – 1535



Central Birmingham – 1700



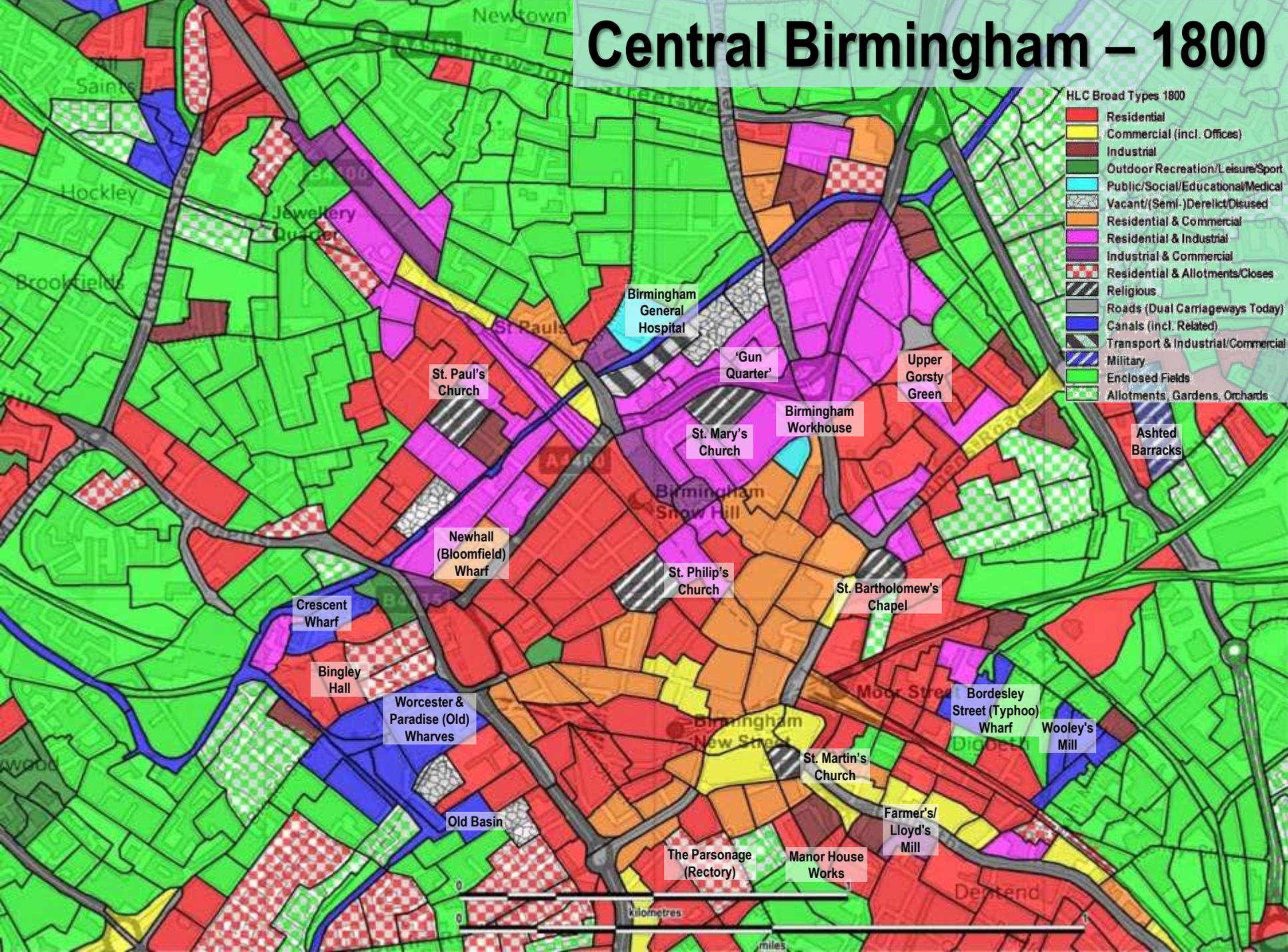
Central Birmingham – 1750



- HLC Broad Types 1750
- Residential
 - Commercial
 - Industrial
 - Outdoor Recreation/Leisure/Sport
 - Indoor Entertainment/Leisure/Sport
 - Public/Social/Educational/Medical
 - Vacant/(Semi-)Derelict/Disused
 - Residential & Commercial
 - Residential & Industrial
 - Industrial & Commercial
 - Residential/Other & Recreational
 - Residential & Allotments/Closes
 - Religious
 - Roads (Dual Carriageways Today)
 - Ponds, Pools
 - Enclosed Fields
 - Allotments, Gardens, Orchards
 - Open Commons/Waste
 - Farm

0 0 kilometres miles

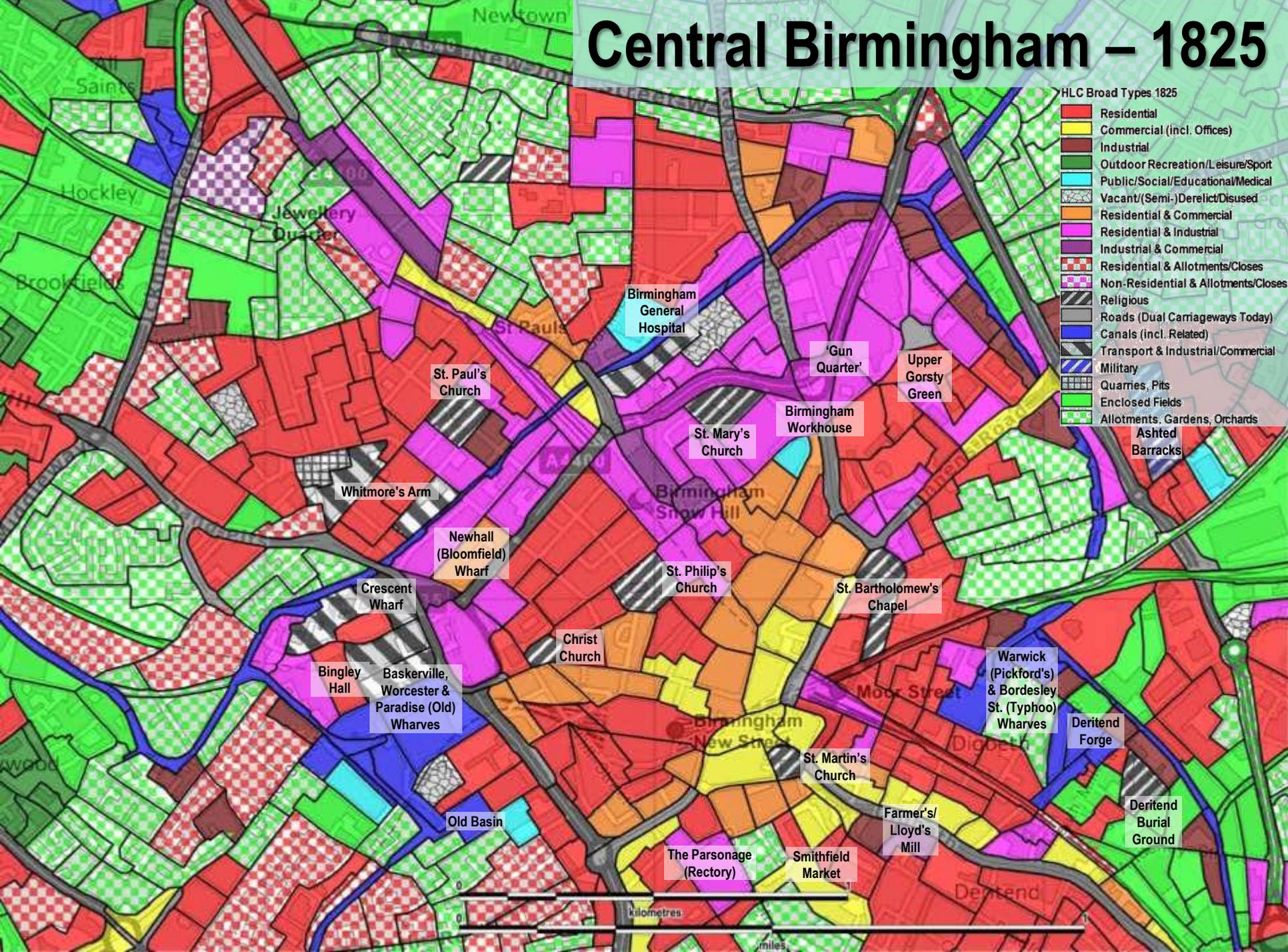
Central Birmingham – 1800



- HLC Broad Types 1800**
- Residential
 - Commercial (incl. Offices)
 - Industrial
 - Outdoor Recreation/Leisure/Sport
 - Public/Social/Educational/Medical
 - Vacant/(Semi-)Derelict/Disused
 - Residential & Commercial
 - Residential & Industrial
 - Industrial & Commercial
 - Residential & Allotments/Closes
 - Religious
 - Roads (Dual Carriageways Today)
 - Canals (incl. Related)
 - Transport & Industrial/Commercial
 - Military
 - Enclosed Fields
 - Allotments, Gardens, Orchards



Central Birmingham – 1825

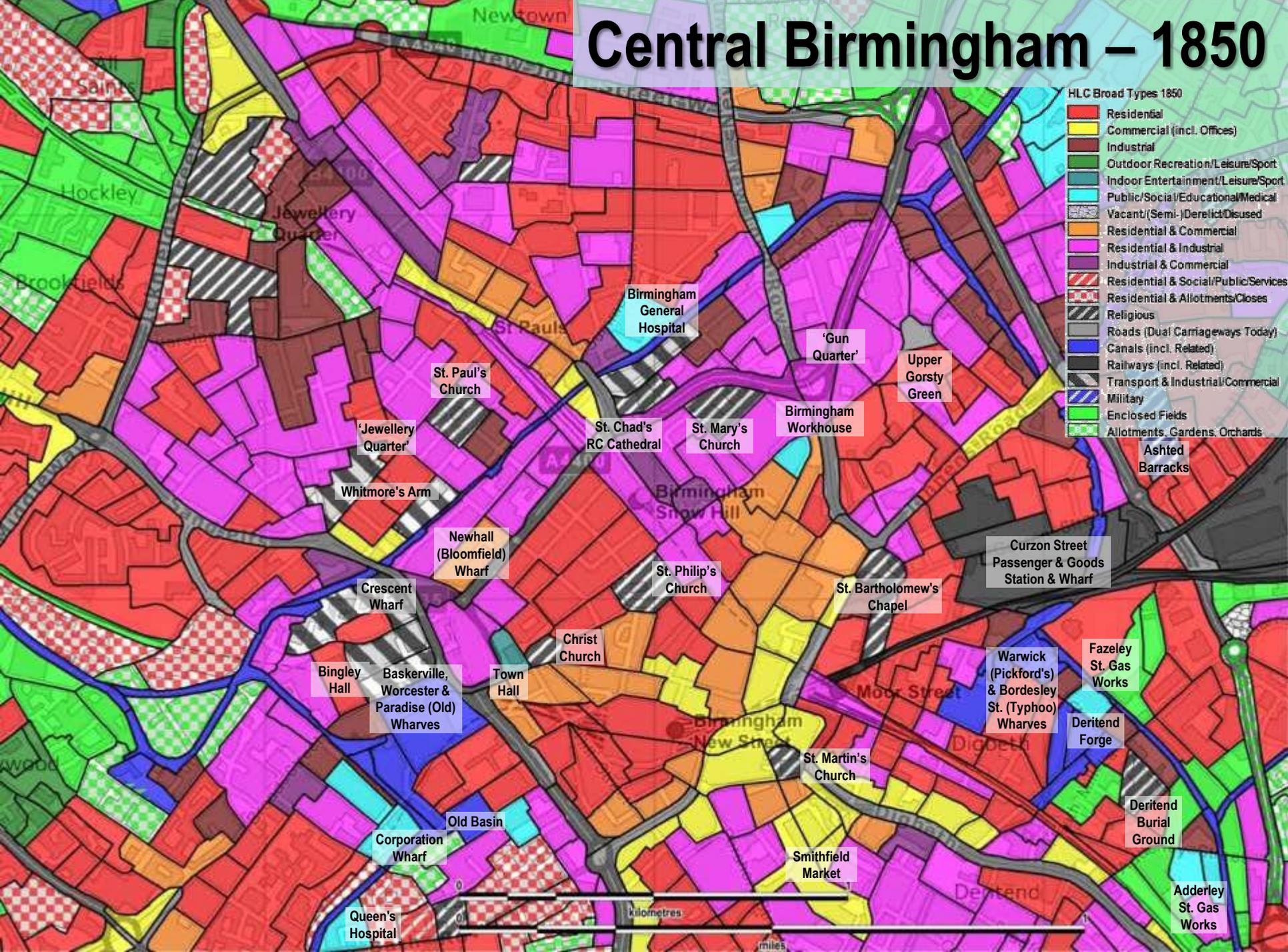


- HLC Broad Types 1825**
- Residential
 - Commercial (incl. Offices)
 - Industrial
 - Outdoor Recreation/Leisure/Sport
 - Public/Social/Educational/Medical
 - Vacant/(Semi-)Derelict/Disused
 - Residential & Commercial
 - Residential & Industrial
 - Industrial & Commercial
 - Residential & Allotments/Closes
 - Non-Residential & Allotments/Closes
 - Religious
 - Roads (Dual Carriageways Today)
 - Canals (incl. Related)
 - Transport & Industrial/Commercial
 - Military
 - Quarries, Pits
 - Enclosed Fields
 - Allotments, Gardens, Orchards

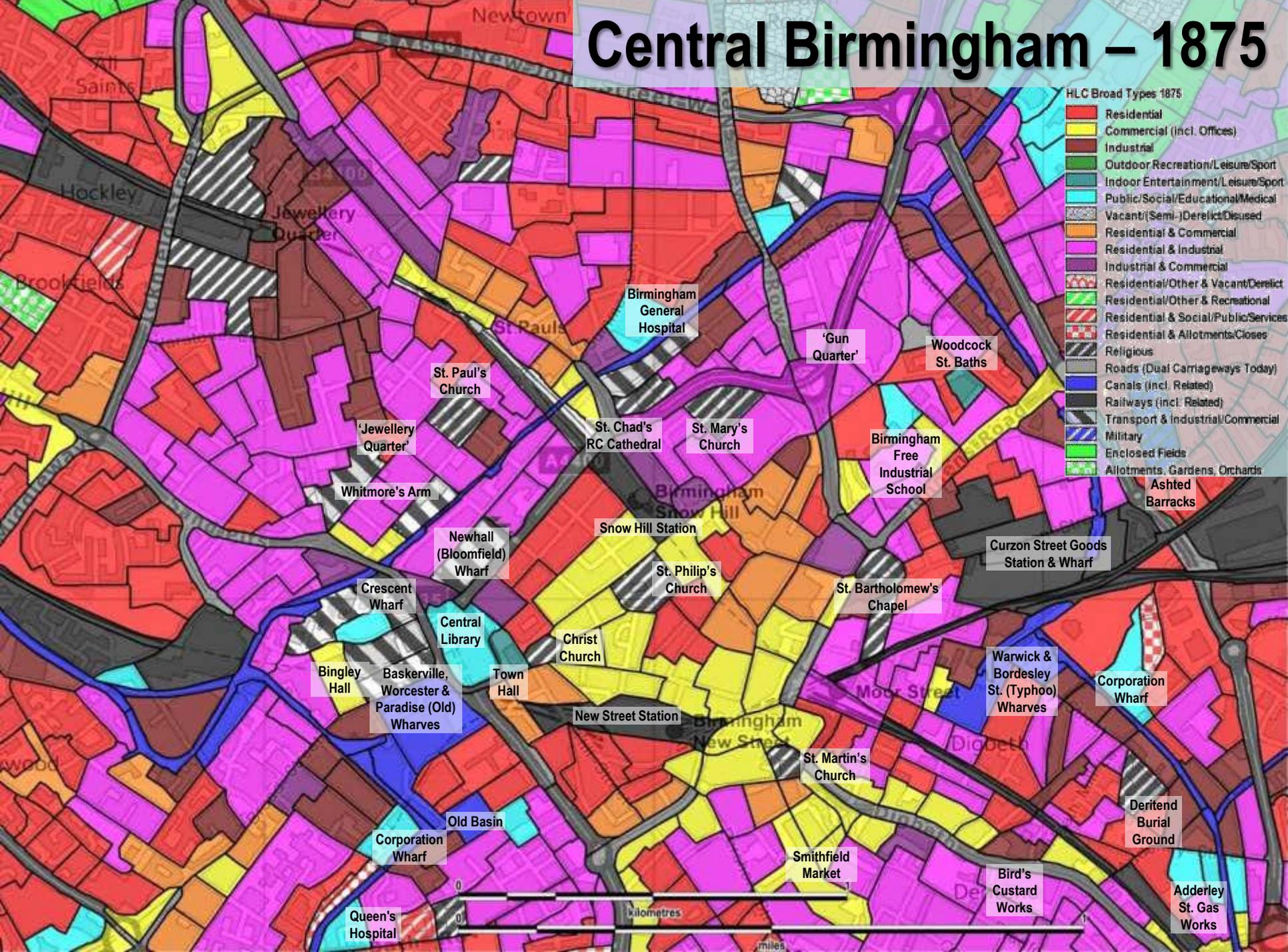
Birmingham General Hospital
 Birmingham Workhouse
 Birmingham Snow Hill
 Birmingham New Street
 Birmingham
 St. Paul's Church
 St. Mary's Church
 St. Philip's Church
 St. Bartholomew's Chapel
 St. Martin's Church
 St. Paul's
 'Gun Quarter'
 Upper Gorsty Green
 Ashted Barracks
 Deritend Forge
 Deritend Burial Ground
 Farmer's/Lloyd's Mill
 Smithfield Market
 The Parsonage (Rectory)
 Old Basin
 Baskerville, Worcester & Paradise (Old) Wharves
 Bingley Hall
 Crescent Wharf
 Newhall (Bloomfield) Wharf
 Whitmore's Arm
 Jewellery Quarter
 Moor Street
 Digbeth
 Deritend

kilometres
 miles

Central Birmingham – 1850



Central Birmingham – 1875



- HLC Broad Types 1875**
- Residential
 - Commercial (incl. Offices)
 - Industrial
 - Outdoor Recreation/Leisure/Sport
 - Indoor Entertainment/Leisure/Sport
 - Public/Social/Educational/Medical
 - Vacant/Semi-Derelict/Disused
 - Residential & Commercial
 - Industrial & Commercial
 - Residential/Other & Vacant/Derelict
 - Residential/Other & Recreational
 - Residential & Social/Public Services
 - Residential & Allotments/Closes
 - Religious
 - Roads (Dual Carriageways Today)
 - Canals (incl. Related)
 - Railways (incl. Related)
 - Transport & Industrial/Commercial
 - Military
 - Enclosed Fields
 - Allotments, Gardens, Orchards



Queen's Hospital

Bingley Hall
Baskerville, Worcester & Paradise (Old) Wharves

Crescent Wharf
Central Library

Whitmore's Arm
Newhall (Bloomfield) Wharf

'Jewellery Quarter'

St. Paul's Church

Town Hall
Christ Church

Snow Hill Station
St. Philip's Church

St. Chad's RC Cathedral

Birmingham General Hospital

St. Martin's Church

St. Bartholomew's Chapel

Birmingham Free Industrial School

'Gun Quarter'

Woodcock St. Baths

Warwick & Bordesley St. (Typhoo) Wharves

Curzon Street Goods Station & Wharf

Corporation Wharf

Deritend Burial Ground

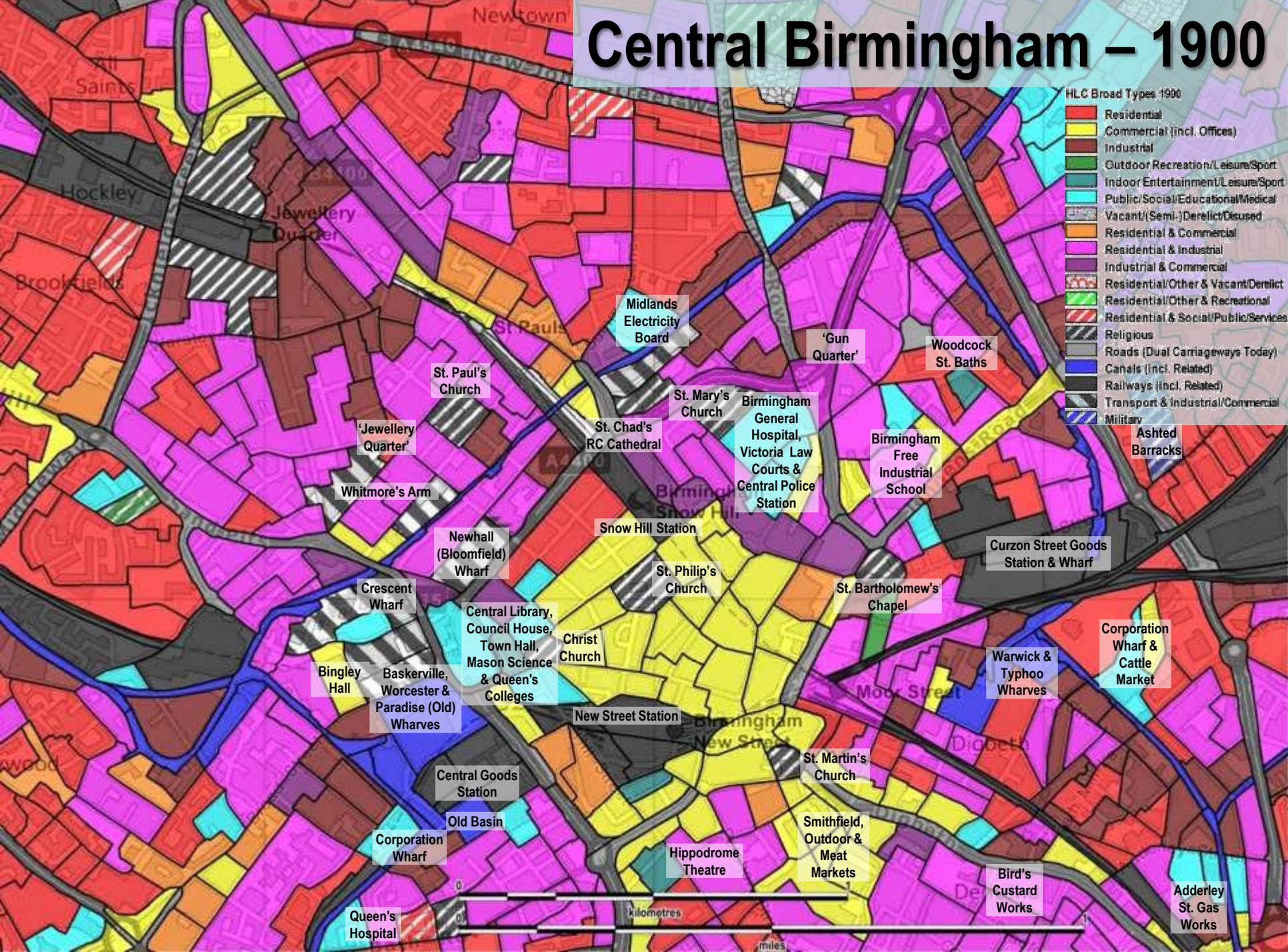
Adderley St. Gas Works

Bird's Custard Works

Smithfield Market

Ashted Barracks

Central Birmingham – 1900

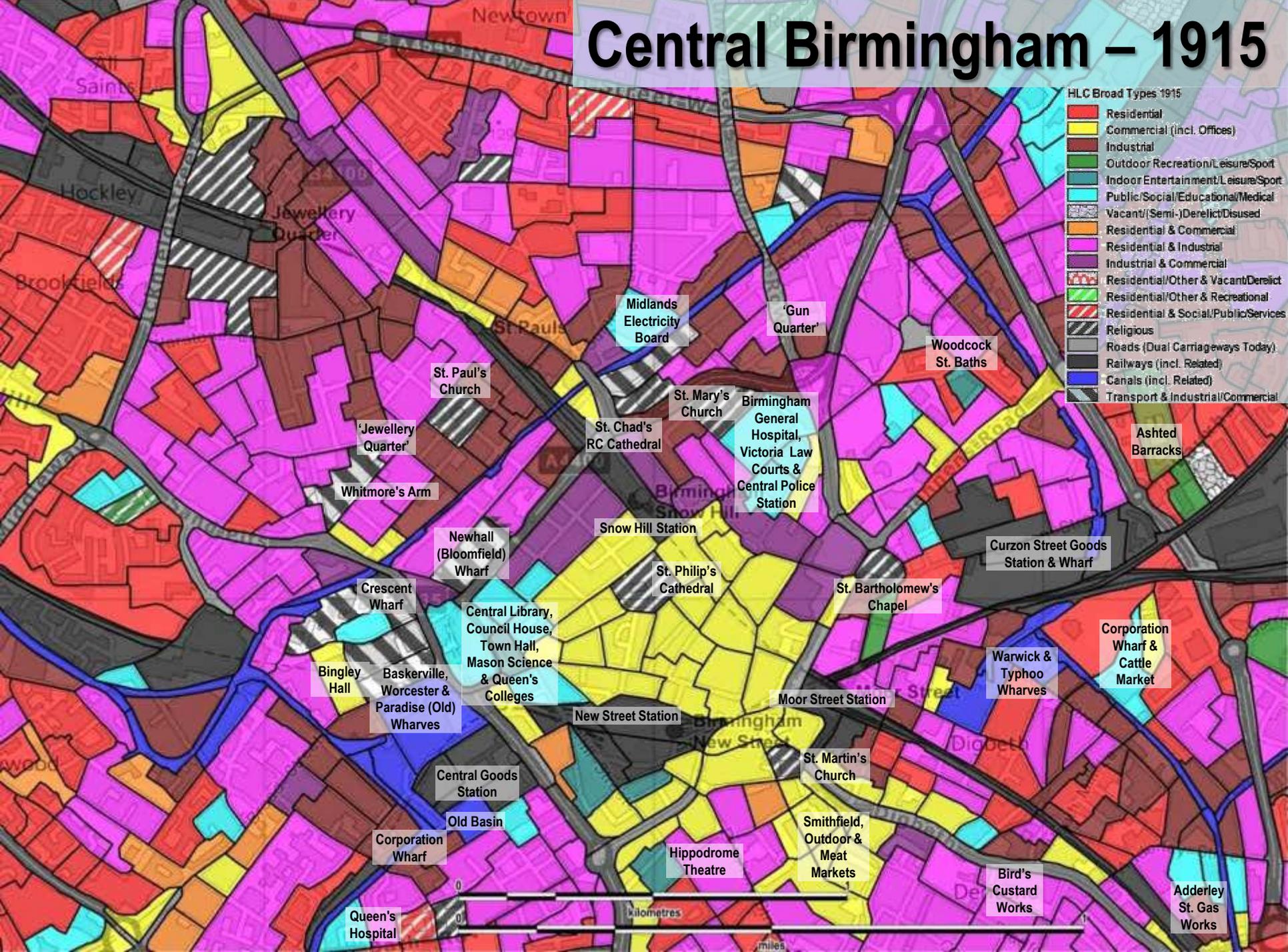


- HLC Broad Types 1900**
- Residential
 - Commercial (incl. Offices)
 - Industrial
 - Outdoor Recreation/Leisure/Sport
 - Indoor Entertainment/Leisure/Sport
 - Public/Social/Educational/Medical
 - Vacant/(Semi-)Derelict/Deused
 - Residential & Commercial
 - Residential & Industrial
 - Industrial & Commercial
 - Residential/Other & Vacant/Derelict
 - Residential/Other & Recreational
 - Residential & Social/Public/Services
 - Religious
 - Roads (Dual Carriageways Today)
 - Canals (incl. Related)
 - Railways (incl. Related)
 - Transport & Industrial/Commercial
 - Military

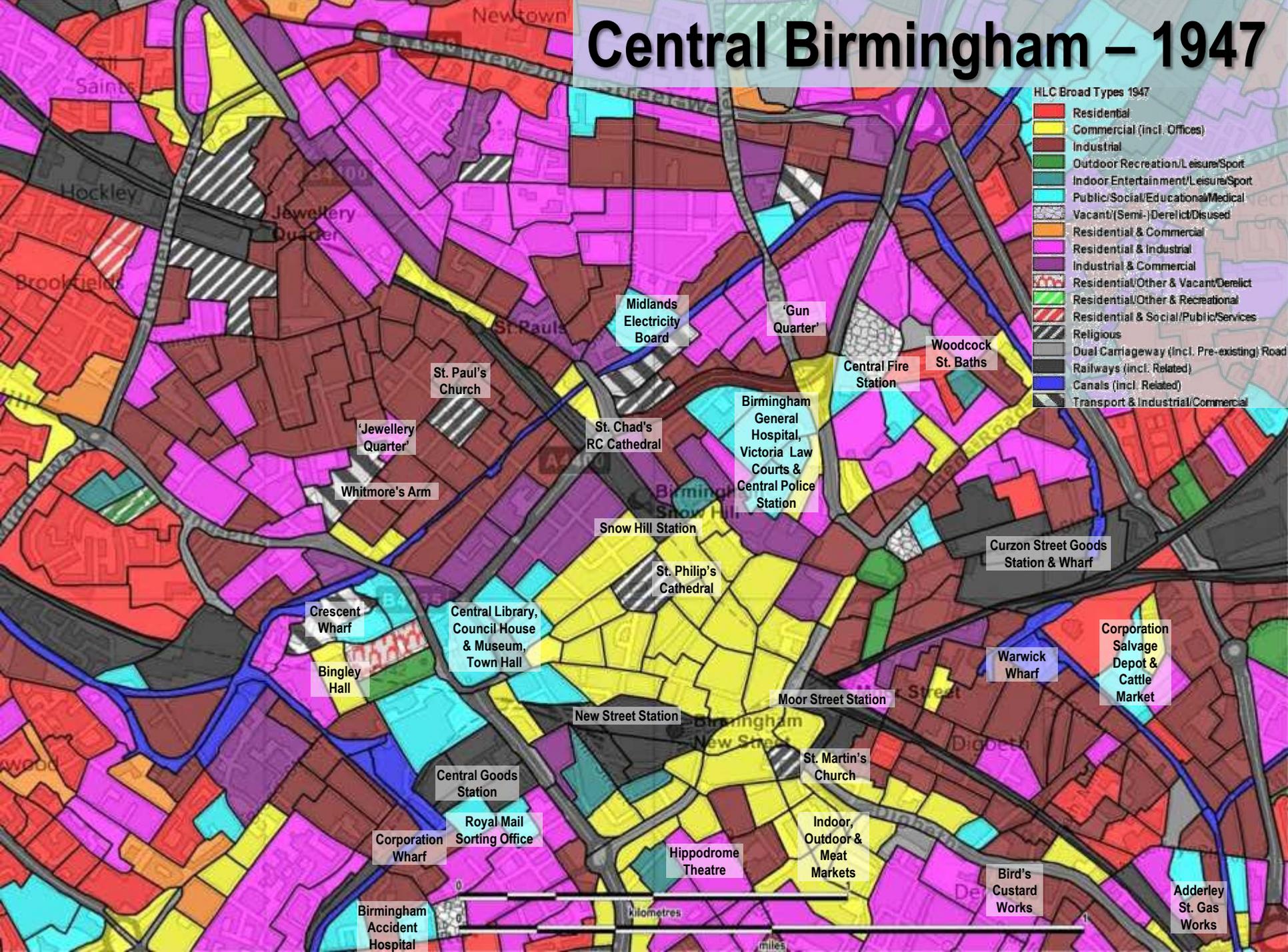
Midlands Electricity Board
'Gun Quarter'
Woodcock St. Baths
St. Paul's Church
St. Mary's Church
Birmingham General Hospital, Victoria Law Courts & Central Police Station
Birmingham Free Industrial School
Ashted Barracks
Jewellery Quarter
Whitmore's Arm
St. Chad's RC Cathedral
Snow Hill Station
St. Philip's Church
Curzon Street Goods Station & Wharf
Newhall (Bloomfield) Wharf
St. Bartholomew's Chapel
Corporation Wharf & Cattle Market
Crescent Wharf
Central Library, Council House, Town Hall, Mason Science & Queen's Colleges
Christ Church
Warwick & Typhoo Wharves
Bingley Hall
Baskerville, Worcester & Paradise (Old) Wharves
New Street Station
St. Martin's Church
Smithfield, Outdoor & Meat Markets
Central Goods Station
Old Basin
Corporation Wharf
Hippodrome Theatre
Queen's Hospital
Bird's Custard Works
Adderley St. Gas Works



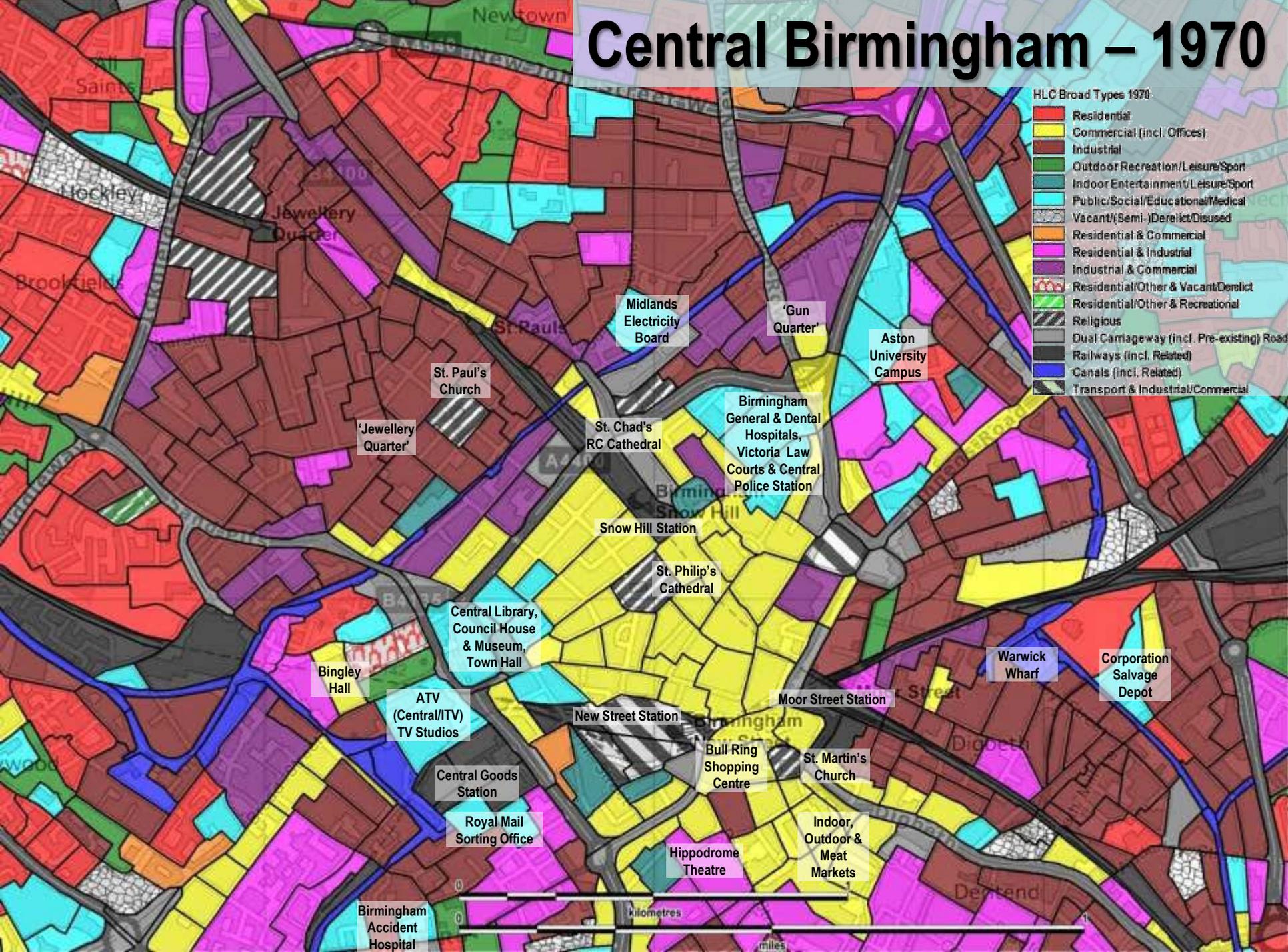
Central Birmingham – 1915



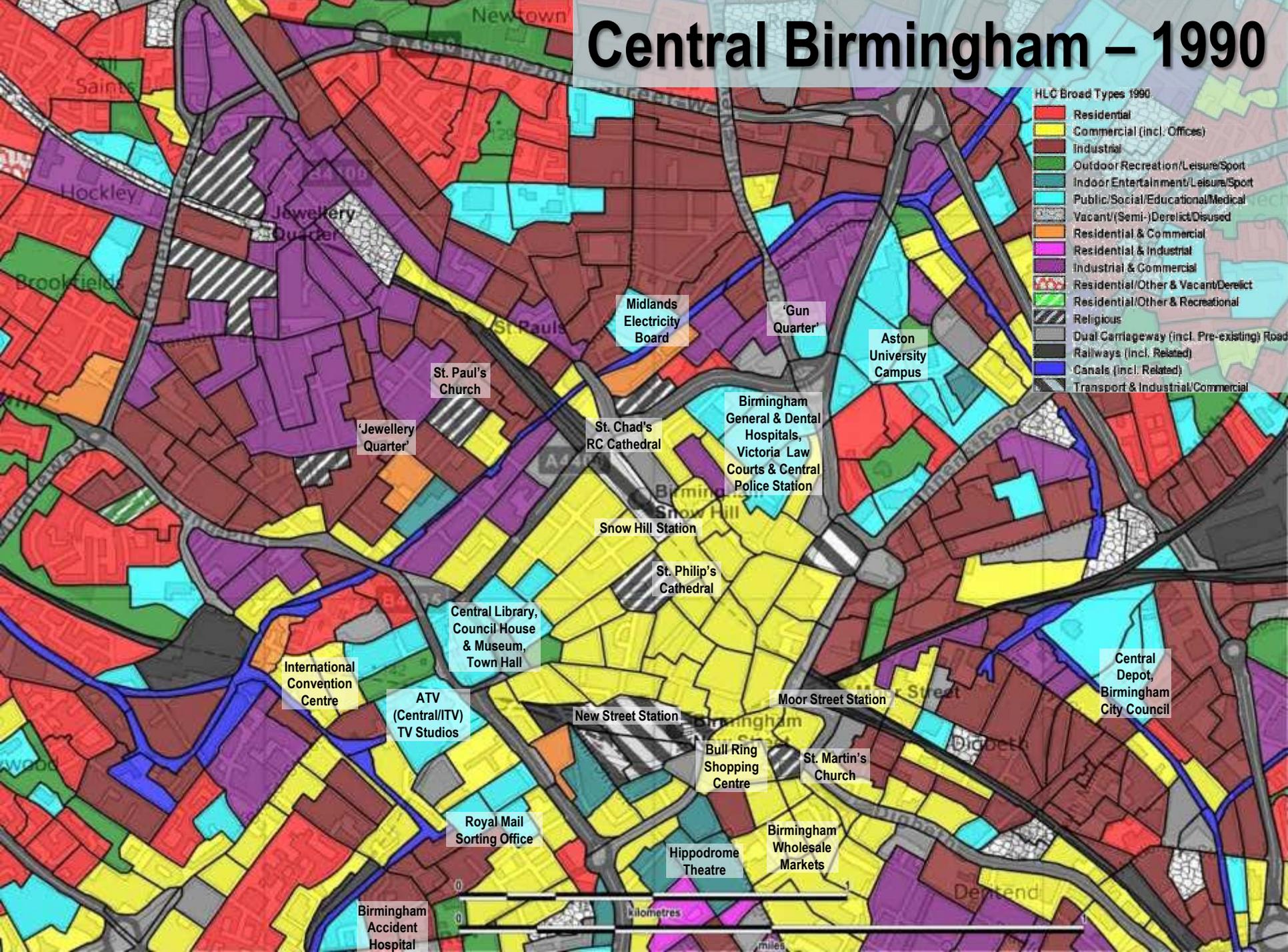
Central Birmingham – 1947



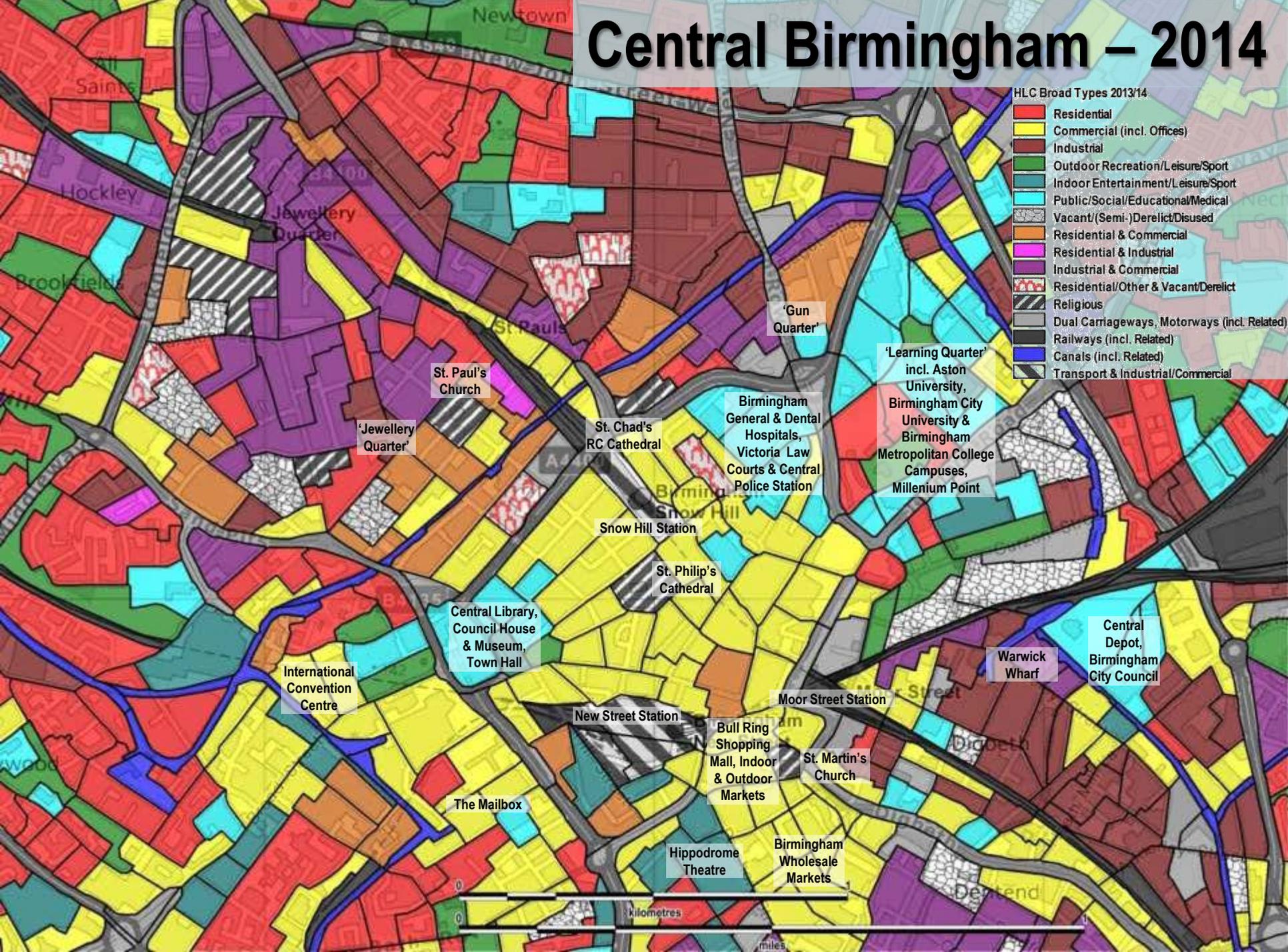
Central Birmingham – 1970



Central Birmingham – 1990



Central Birmingham – 2014



- HLC Broad Types 2013/14**
- Residential
 - Commercial (incl. Offices)
 - Industrial
 - Outdoor Recreation/Leisure/Sport
 - Indoor Entertainment/Leisure/Sport
 - Public/Social/Educational/Medical
 - Vacant/(Semi-)Derelict/Disused
 - Residential & Commercial
 - Residential & Industrial
 - Industrial & Commercial
 - Residential/Other & Vacant/Derelict
 - Religious
 - Dual Carriageways, Motorways (incl. Related)
 - Railways (incl. Related)
 - Canals (incl. Related)
 - Transport & Industrial/Commercial

'Gun Quarter'
 Birmingham General & Dental Hospitals, Victoria Law Courts & Central Police Station
 'Learning Quarter' incl. Aston University, Birmingham City University & Birmingham Metropolitan College Campuses, Millenium Point
 St. Paul's Church
 'Jewellery Quarter'
 St. Chad's RC Cathedral
 Birmingham City Council
 Snow Hill Station
 St. Philip's Cathedral
 Central Library, Council House & Museum, Town Hall
 International Convention Centre
 New Street Station
 Moor Street Station
 Bull Ring Shopping Mall, Indoor & Outdoor Markets
 St. Martin's Church
 The Mailbox
 Hippodrome Theatre
 Birmingham Wholesale Markets
 Warwick Wharf
 Central Depot, Birmingham City Council

kilometres
 miles

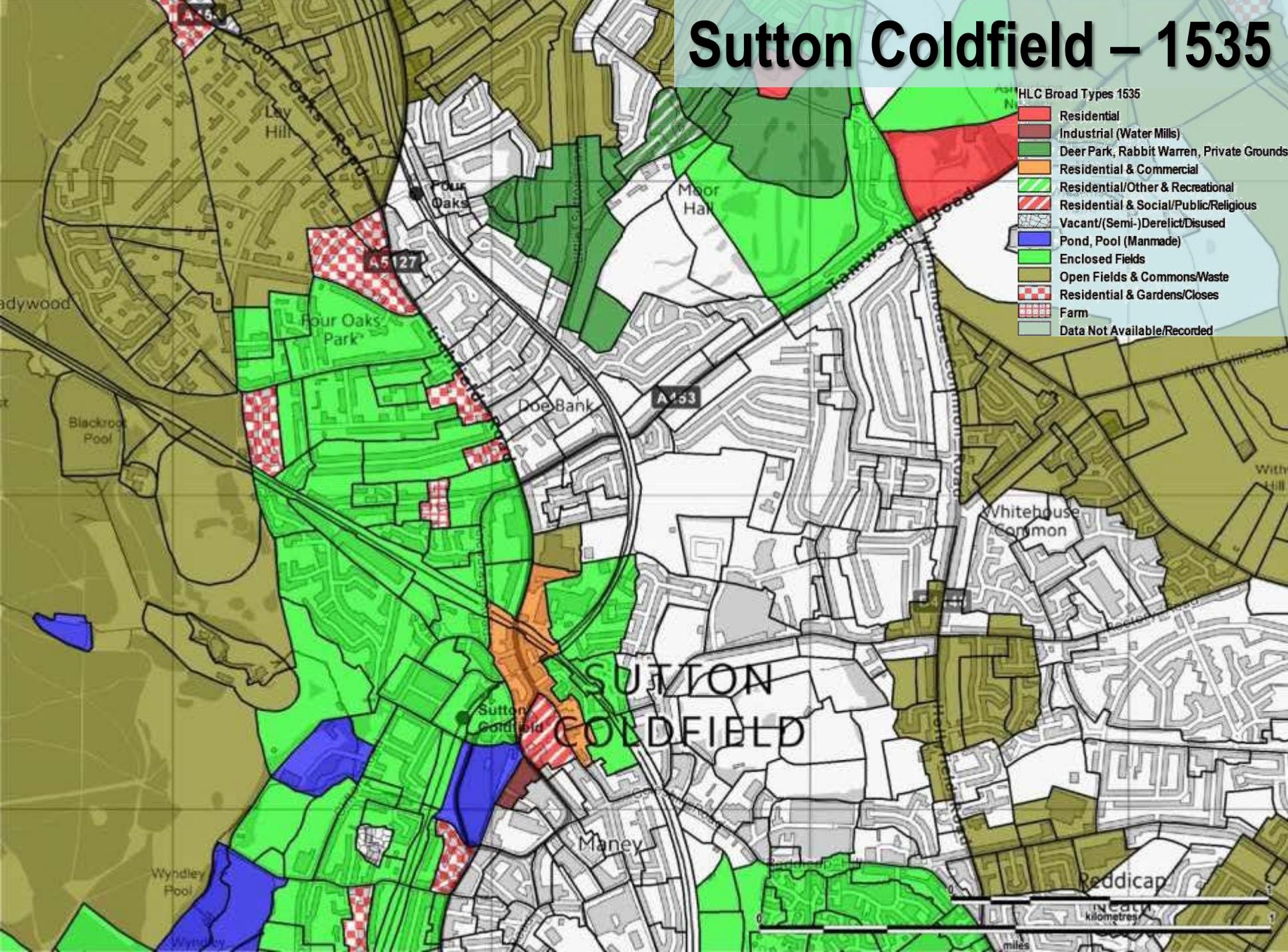
3. Five Centuries of Landscape Evolution in Central Sutton Coldfield (1535-2014)

- This thematic map sequence aims to illustrate the evolution of the historic centre of Sutton Coldfield and surrounding areas mainly to the East and North, such as Doe Bank, Four Oaks, Ley Hill, Moor Hall, Whitehouse Common, Reddicap Heath, Maney and the eastern end of Sutton Park.
- The first map (1535) is entirely based on 'extrapolated' HLC data – as no maps of Tudor Sutton Coldfield are available, either original or modern reconstructions, which also explains the areas left white.
- Later maps in the sequence rely on actual plans and maps of the city centre and its surrounds, from the 1750s onwards, right up to the present day.

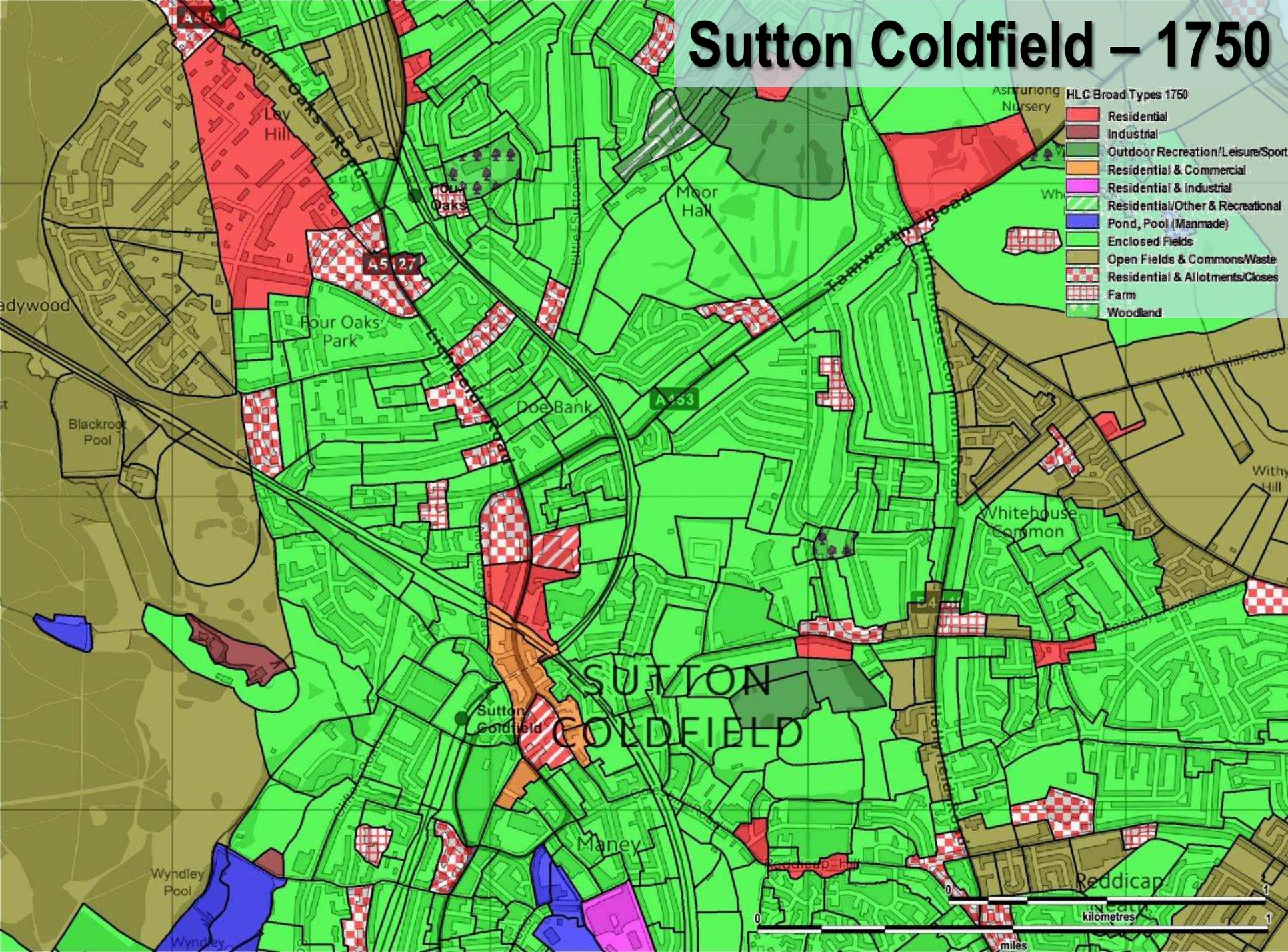
3. Five Centuries of Landscape Evolution in Central Sutton Coldfield (cont'd)

- **Despite its limitations and inaccuracies, this map sequence illustrates well historic evolutions of central Sutton Coldfield's landscape such as:**
 - **A Tudor landscape of surviving commons and open fields, Moor Hall and its rabbit warren, Sutton Park and encroachments into it.**
 - **The gradual further encroachment into Sutton Park by Four Oaks Hall and its expanding parkland between 1677 and 1827.**
 - **The parliamentary enclosure of all the surviving commons in the mid-1820s, except for Sutton Park (due to its special legal status).**
 - **The post-1850 accelerated urban growth, as the railway arrives – including the Four Oaks Park estate – and the parallel evolution of Sutton Park towards a predominantly recreational character.**
 - **The massive post-1920 residential expansion giving the town its current character, expansion concluded – for the area shown here – with the post-1990 re-development of St. George's Barracks site.**

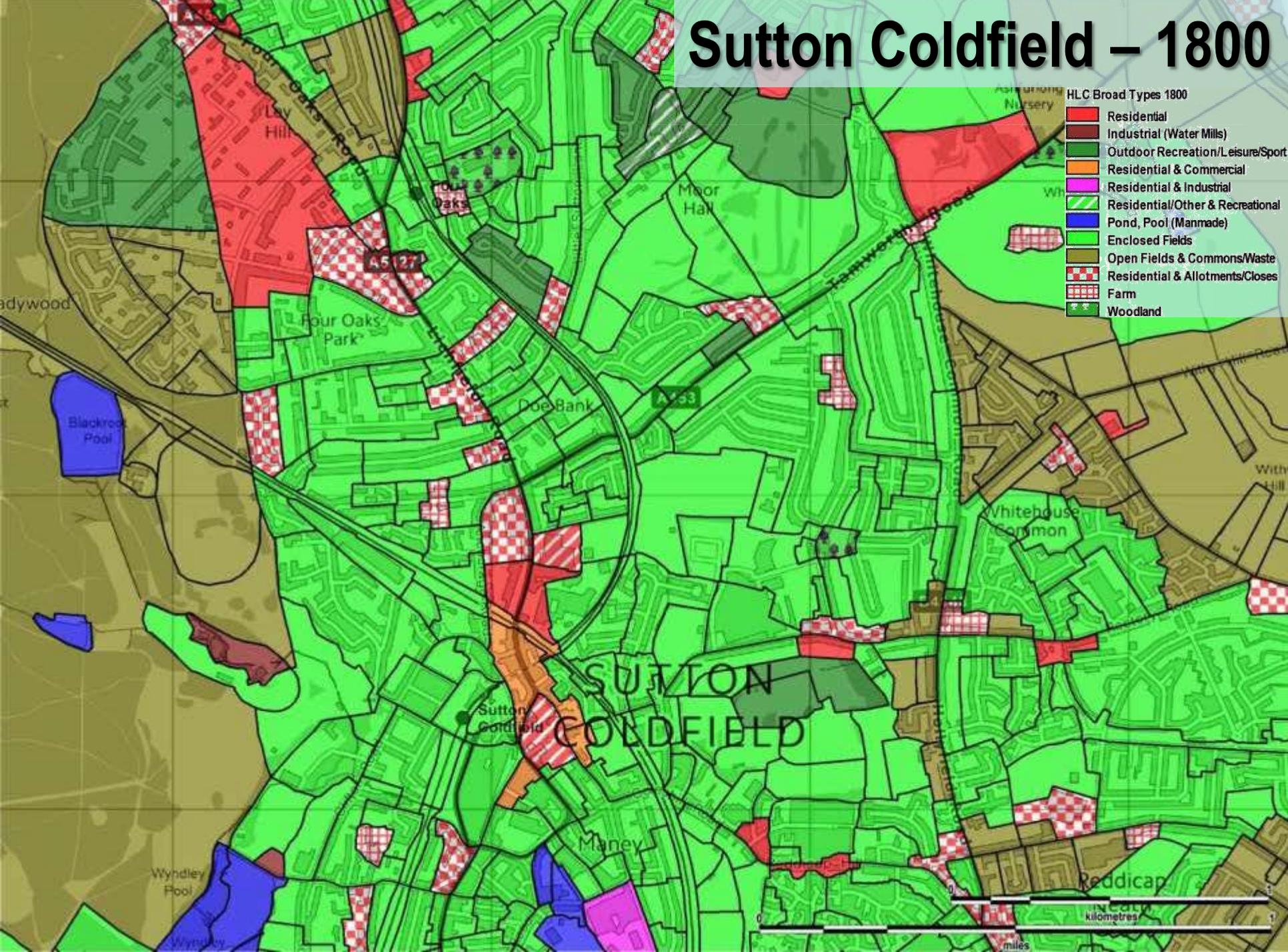
Sutton Coldfield – 1535



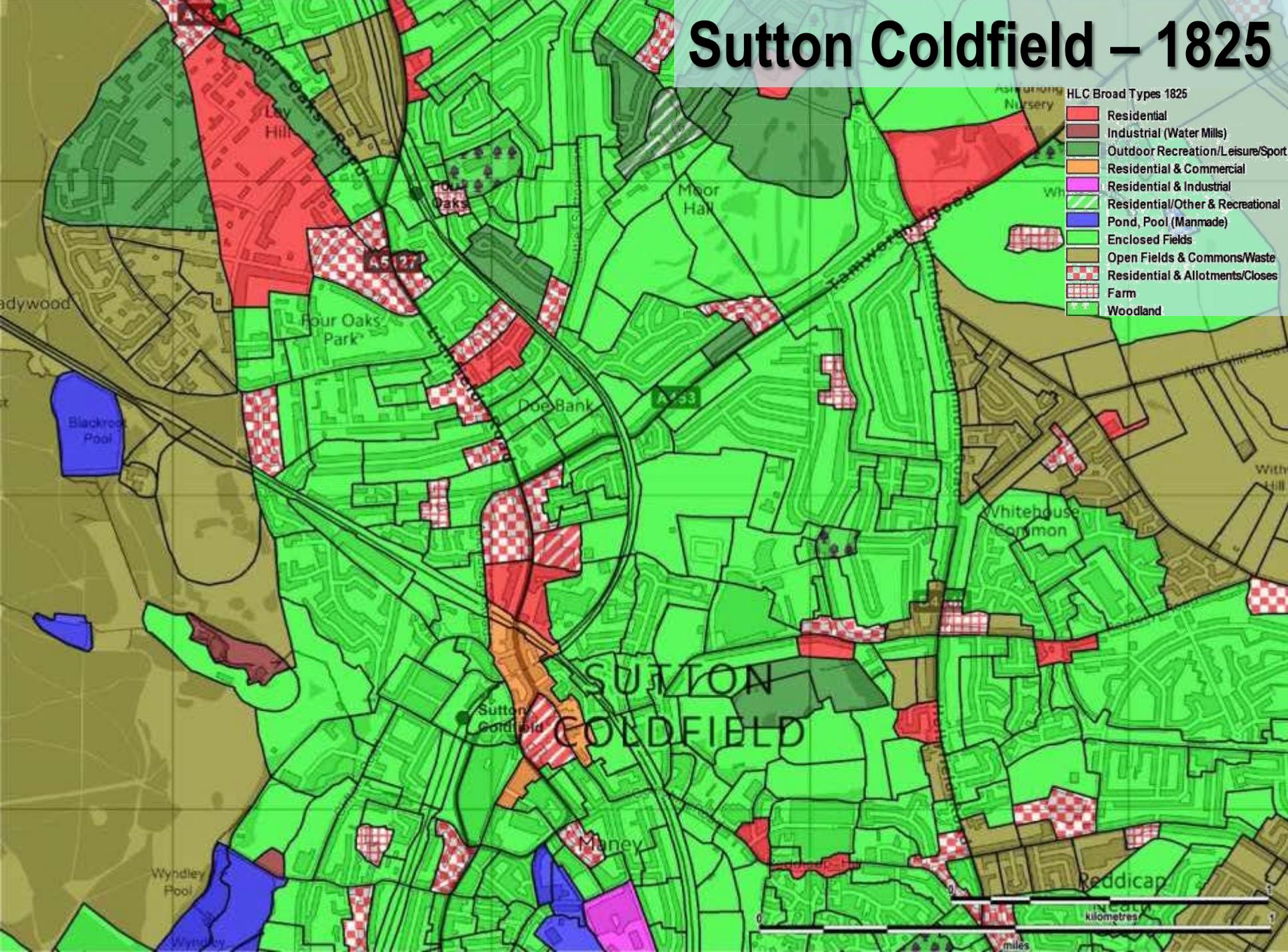
Sutton Coldfield – 1750



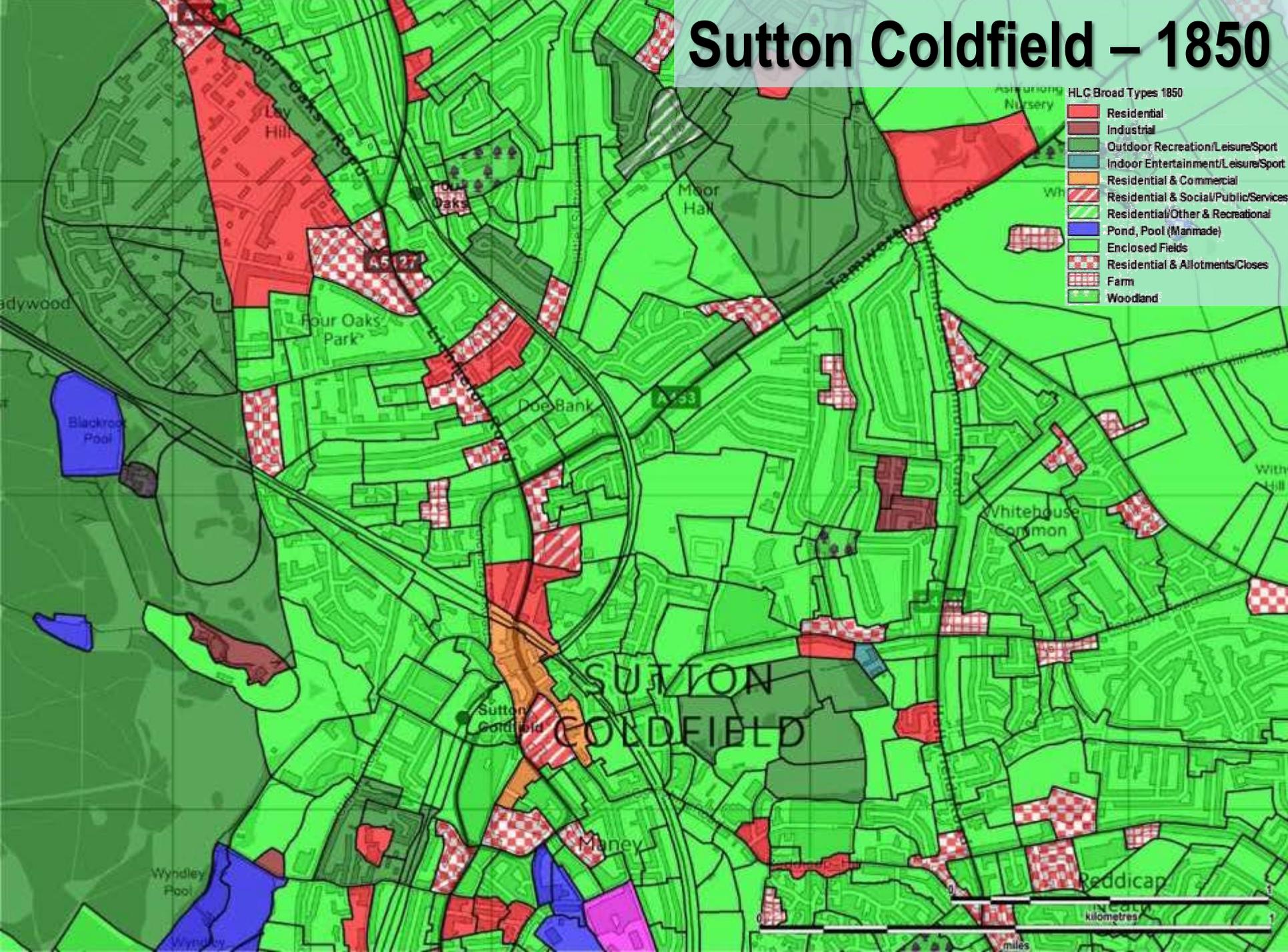
Sutton Coldfield – 1800



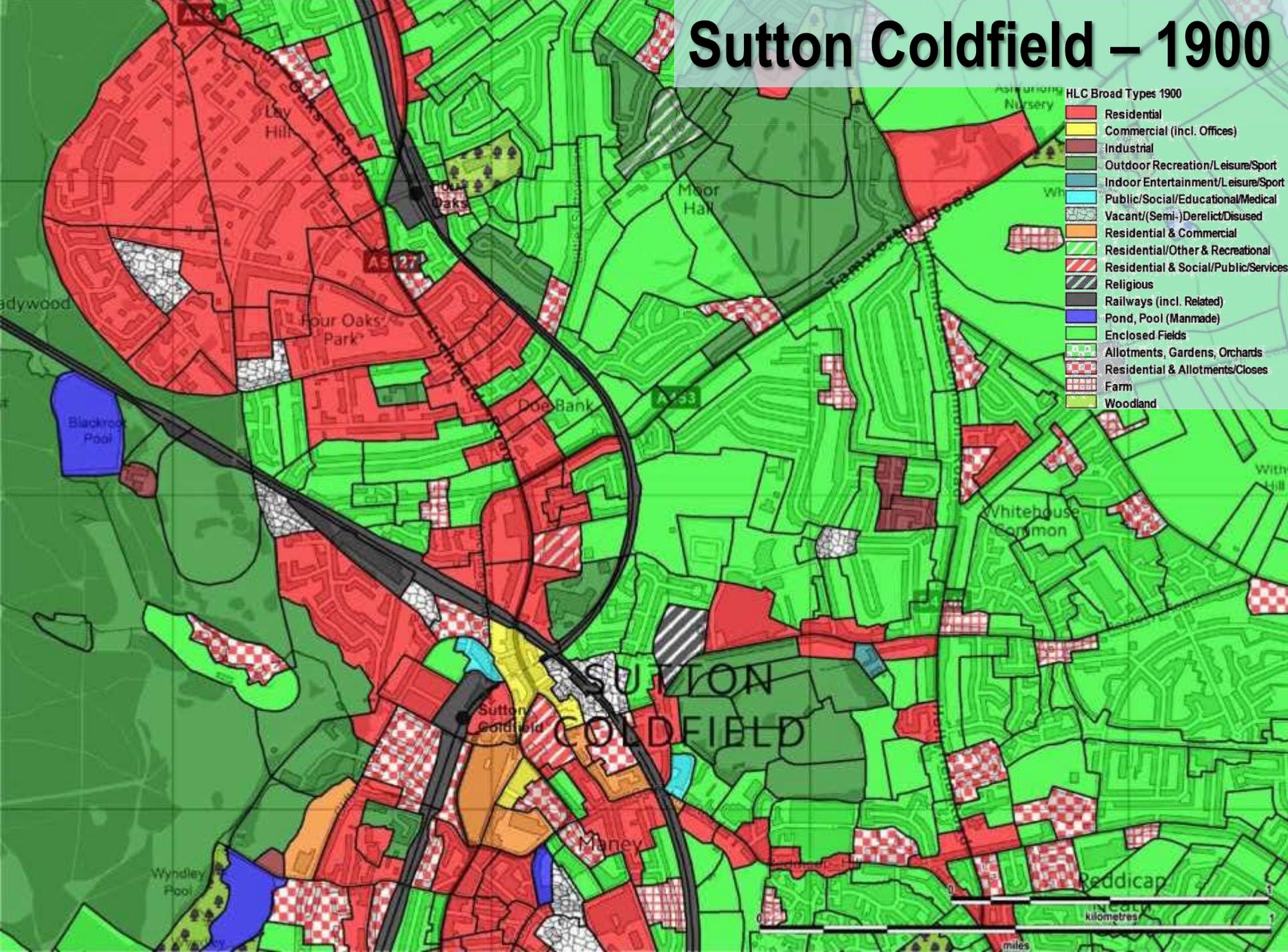
Sutton Coldfield – 1825



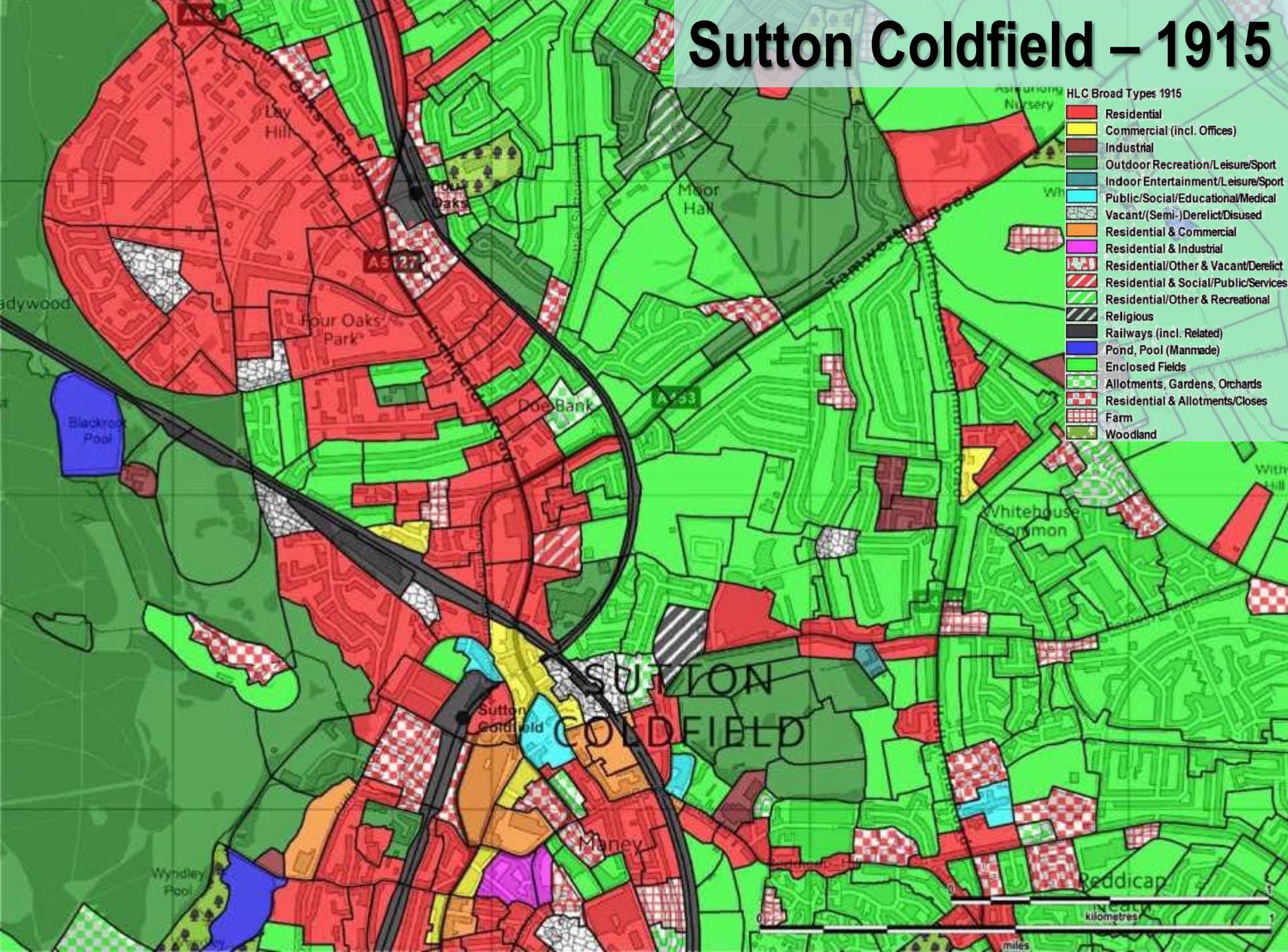
Sutton Coldfield – 1850



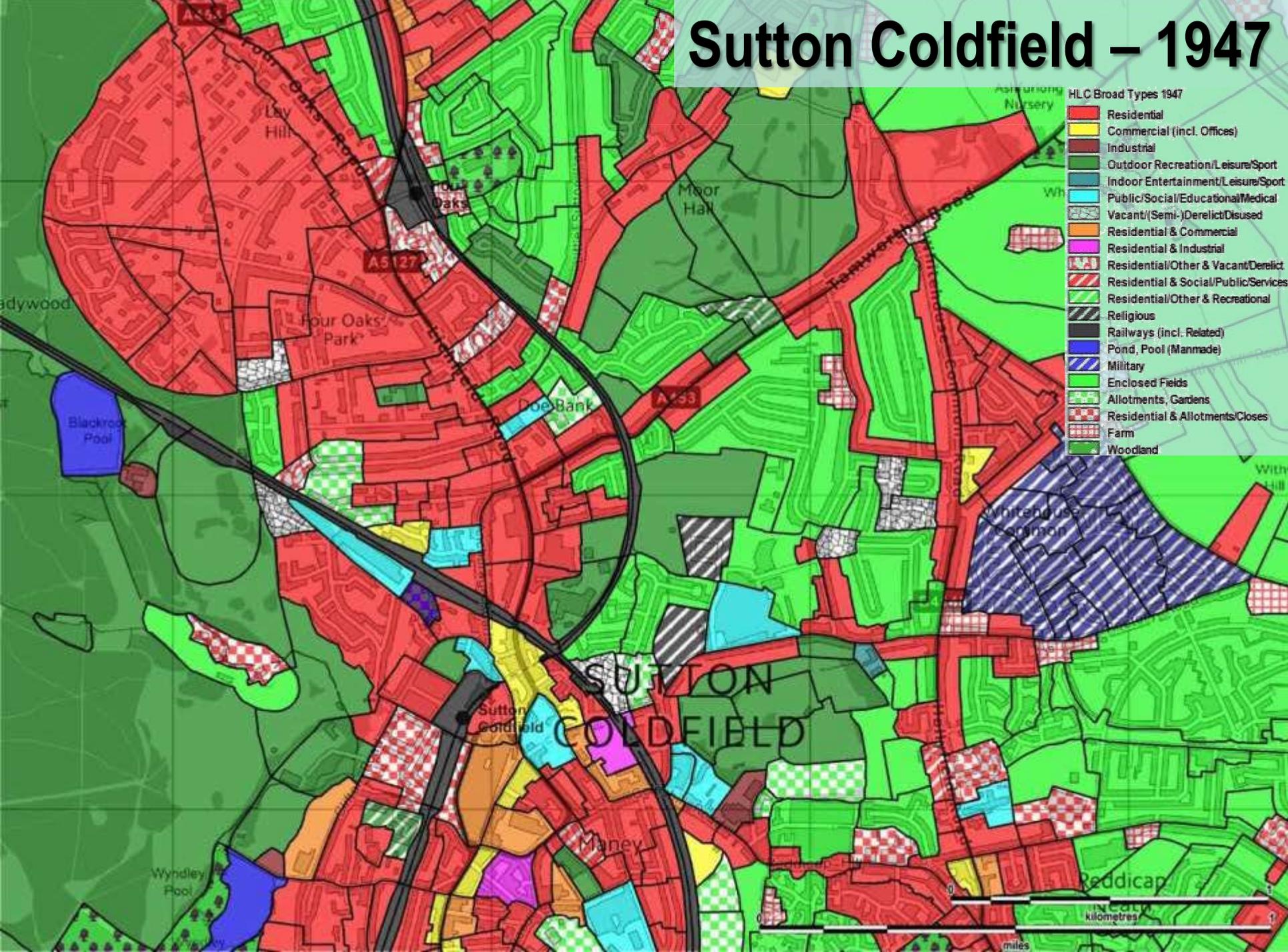
Sutton Coldfield – 1900



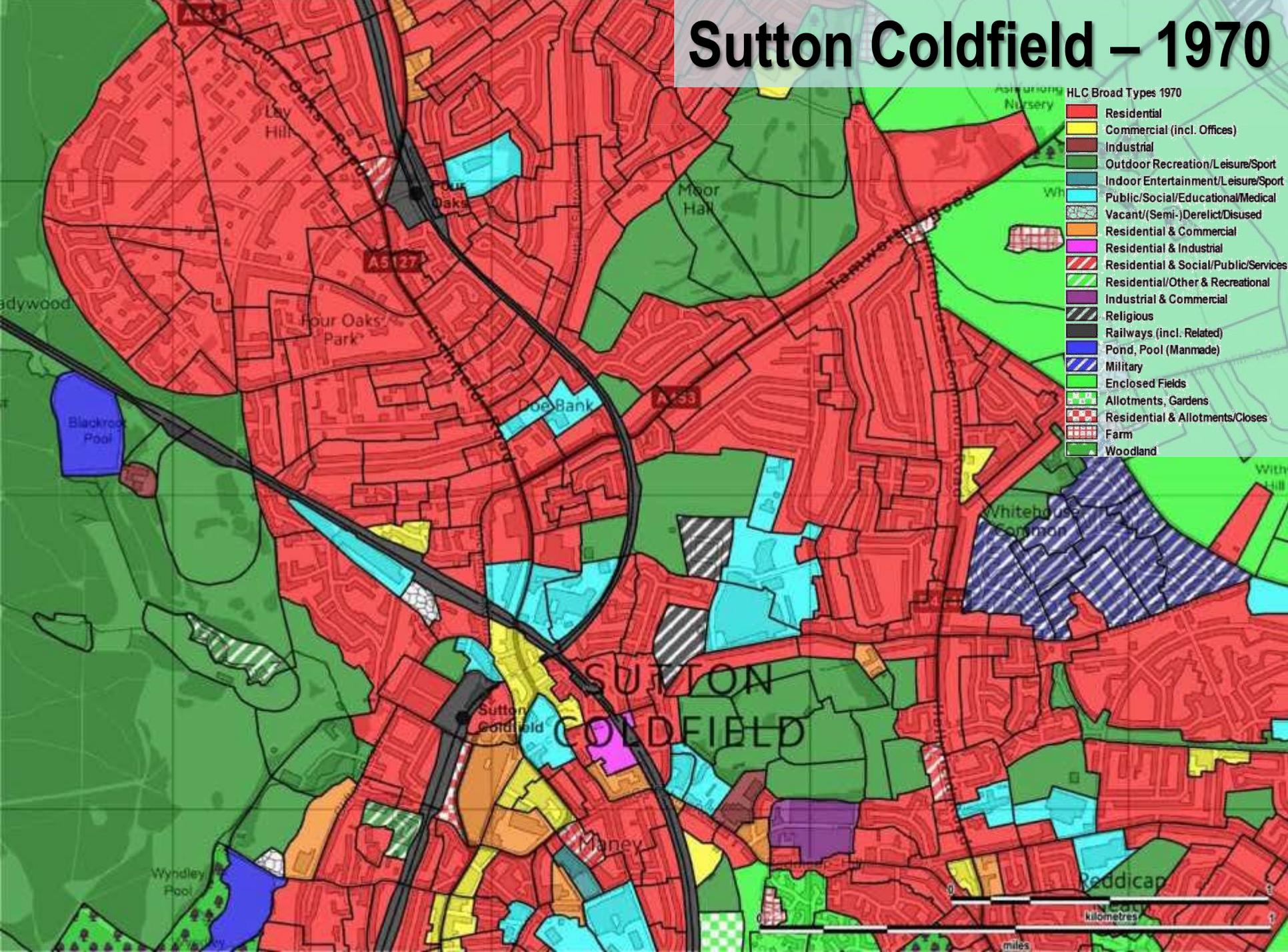
Sutton Coldfield – 1915



Sutton Coldfield – 1947



Sutton Coldfield – 1970

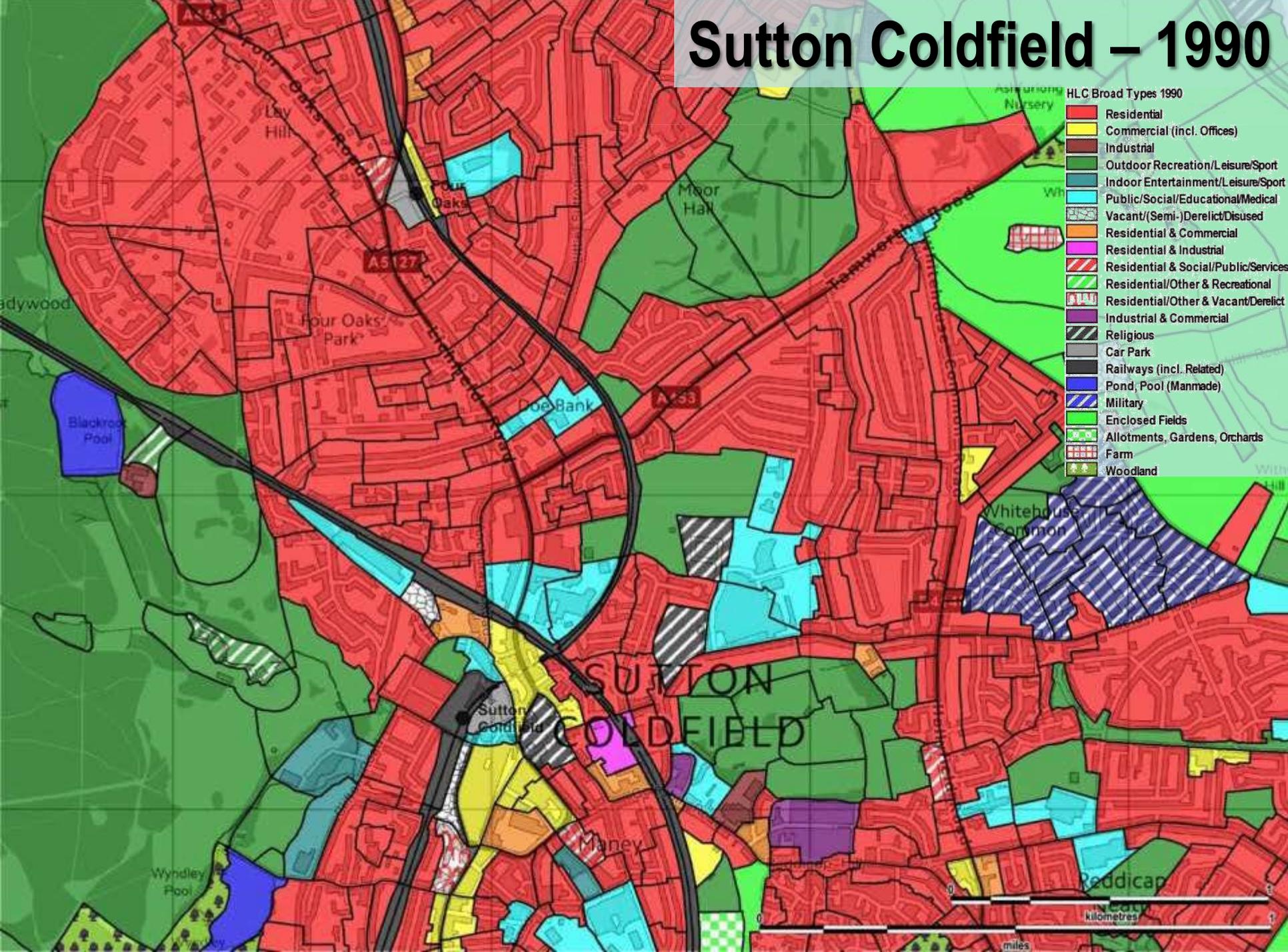


HLC Broad Types 1970

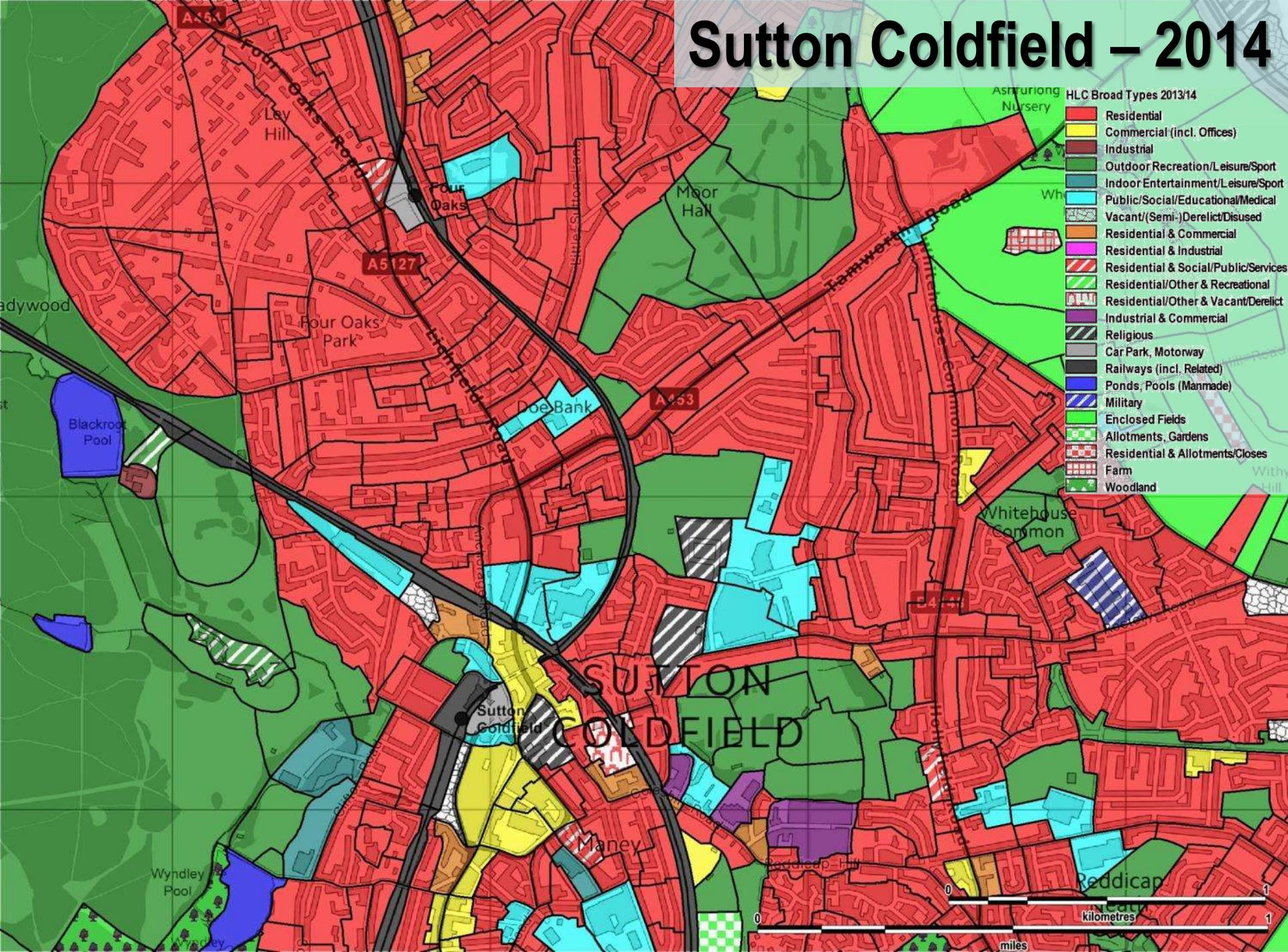
- Residential
- Commercial (incl. Offices)
- Industrial
- Outdoor Recreation/Leisure/Sport
- Indoor Entertainment/Leisure/Sport
- Public/Social/Educational/Medical
- Vacant/(Semi-)Derelict/Disused
- Residential & Commercial
- Residential & Industrial
- Residential & Social/Public/Services
- Residential/Other & Recreational
- Industrial & Commercial
- Religious
- Railways (incl. Related)
- Pond, Pool (Manmade)
- Military
- Enclosed Fields
- Allotments, Gardens
- Residential & Allotments/Closes
- Farm
- Woodland



Sutton Coldfield – 1990



Sutton Coldfield – 2014



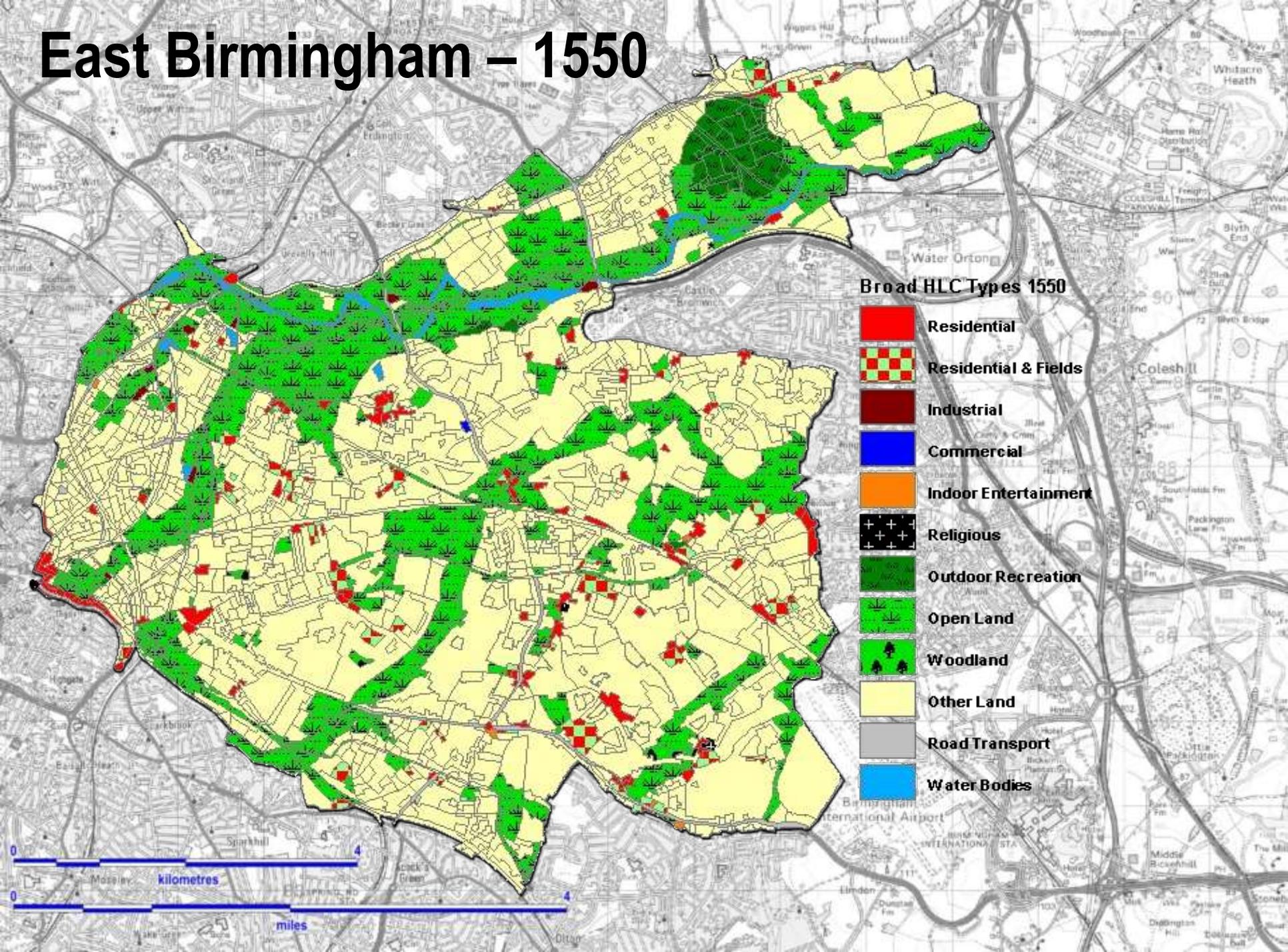
4. Four-and-a-Half Centuries of Landscape Evolution in Eastern Birmingham (1550-2012)

- This thematic map sequence was generated from a customised selection of individual HLC types (sub-types). It only covers the area characterised during the first year of the Birmingham HLC (2012), a substantial area (over 5,900 ha) nevertheless, stretching from Digbeth and Aston in the west, to Minworth in the north-east, and Sheldon and South Yardley to the south-east.
- The first map (1550) is entirely based on 'extrapolated' HLC data, as no Tudor era maps of this area are available, either originals or modern reconstructions; this also explains the areas marked 'Other Land'.
- The second map (1750) relies on a mixture of 'extrapolations' and the 1750s maps of the Aston parish by John Tomlinson. All the later maps are based on data captured from actual maps of the area, right up to the present day.

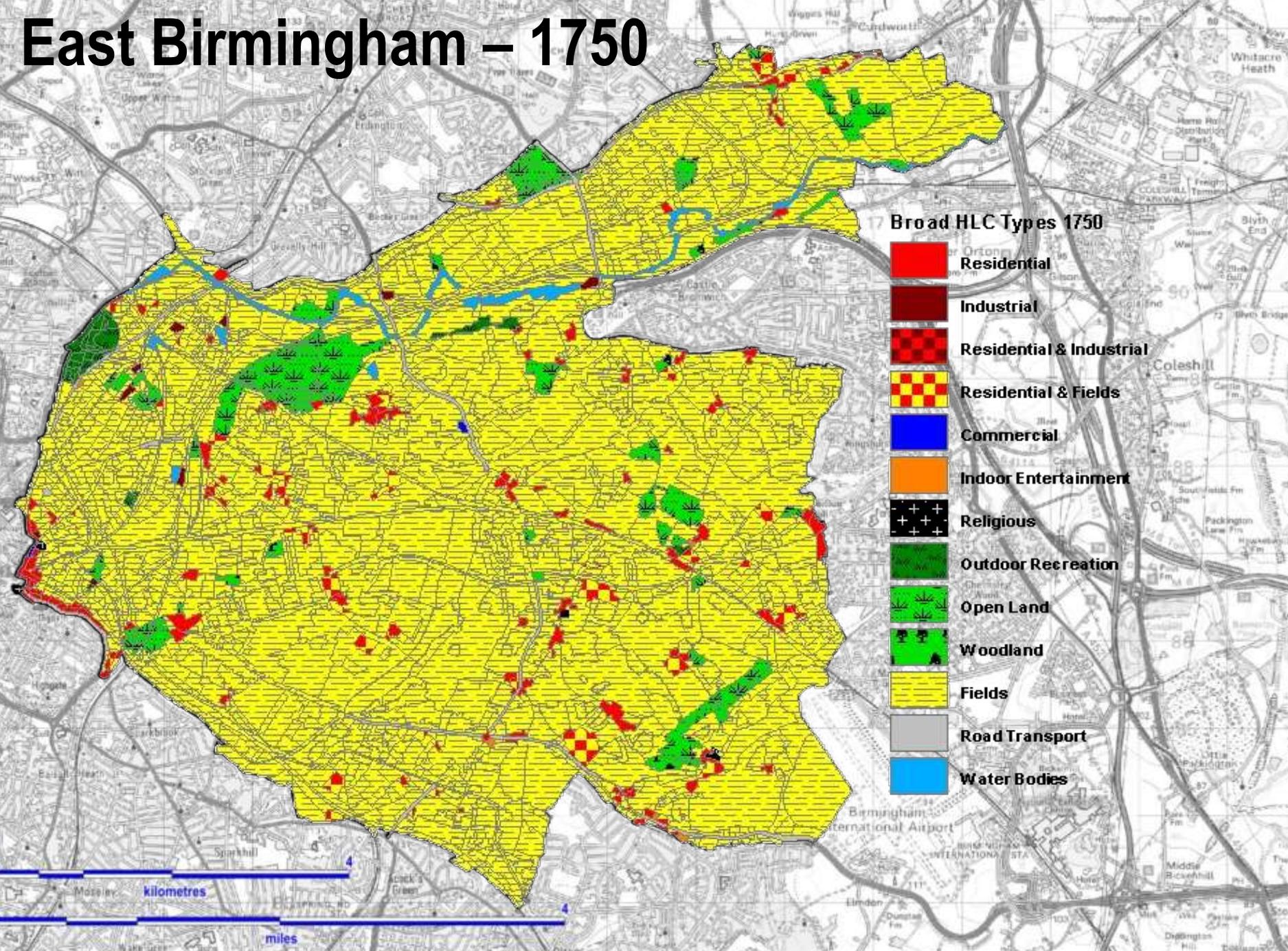
4. Four-and-a-Half Centuries of Landscape Evolution in Eastern Birmingham (cont'd)

- **Despite its limitations and inaccuracies, this map sequence illustrates well historic evolutions of Eastern Birmingham's landscape such as:**
 - **A Tudor landscape of scattered settlements, surviving open land (commons and strip fields) and Park Hall's New Park in Minworth.**
 - **The gradual enclosure of this open land (completed by the 1830s), dis-emparkment of New Park and creation of Aston Park (1620s).**
 - **The relentless expansion of Birmingham's built-up land from the 1700s onwards, until it gradually 'swallows up' the entire area.**
 - **The impact of canals and railways upon the location, rate and character of this urban expansion eastwards.**
 - **The gradual conversion of any surviving areas of farmland into gardens/allotments and various outdoor recreational spaces.**
 - **The 'sudden' massive expansion of sewage farms along the Tame after 1880 and their equally fast 'retreat' into the Minworth corner.**

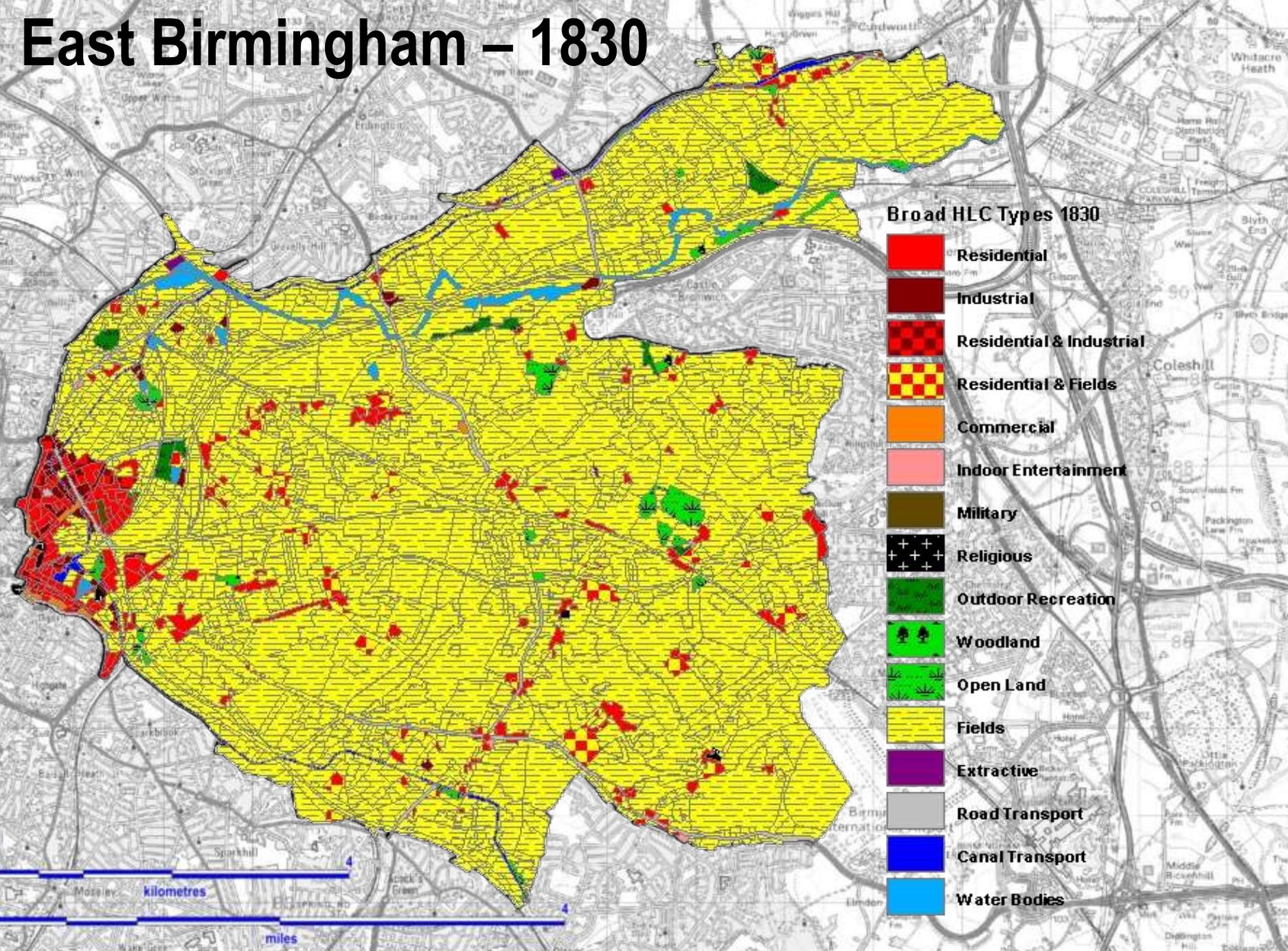
East Birmingham – 1550



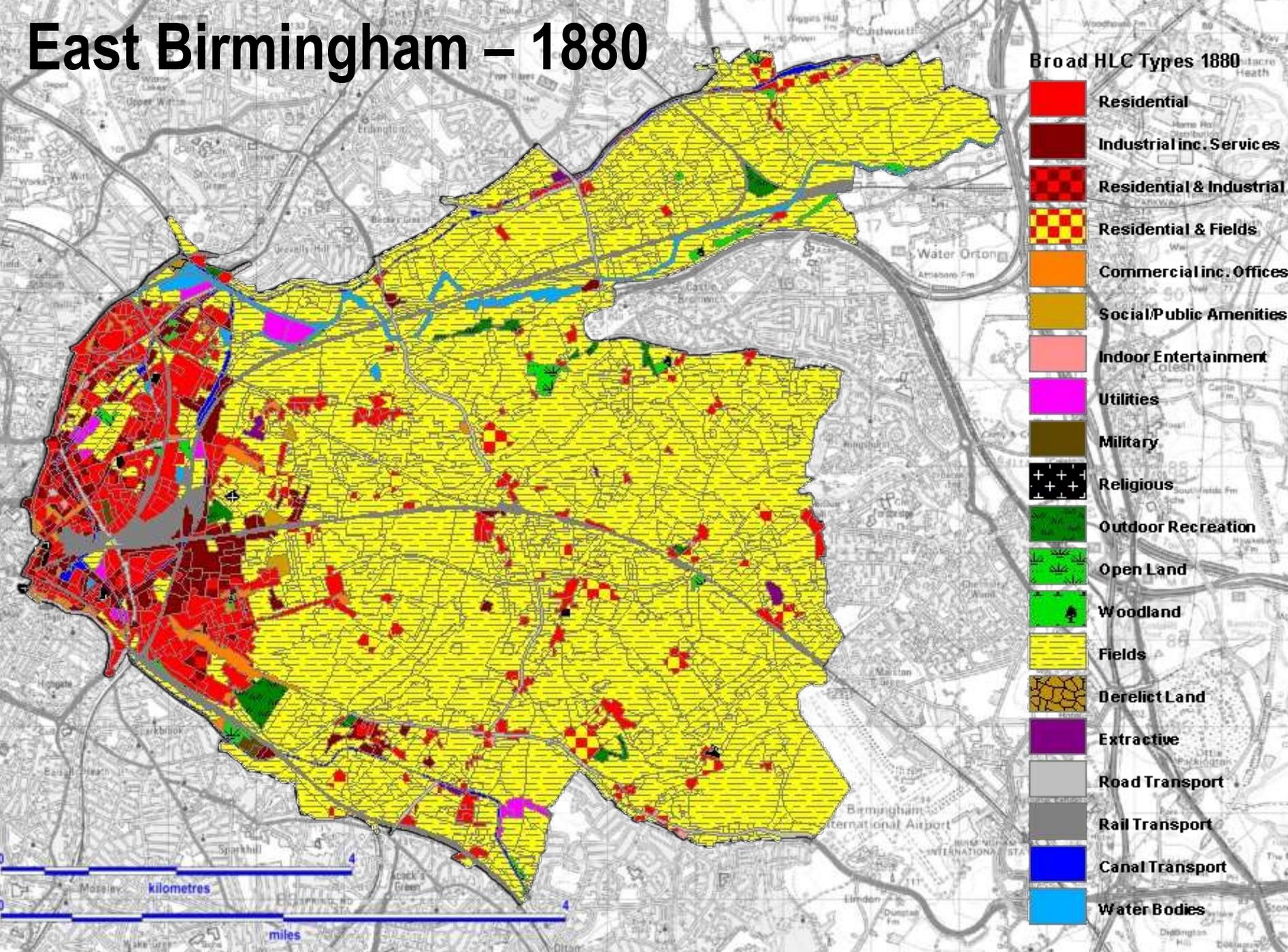
East Birmingham – 1750



East Birmingham – 1830

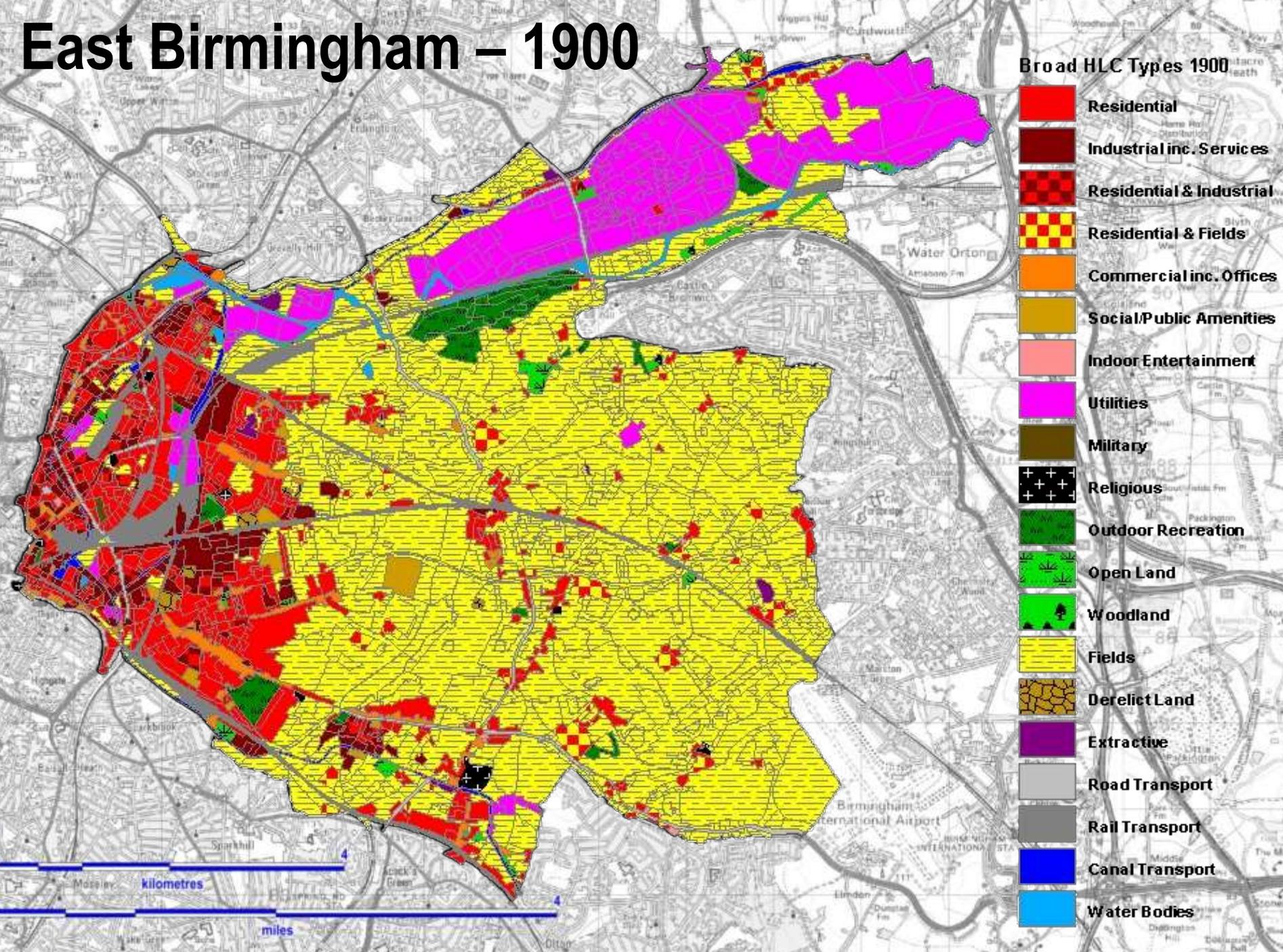


East Birmingham – 1880

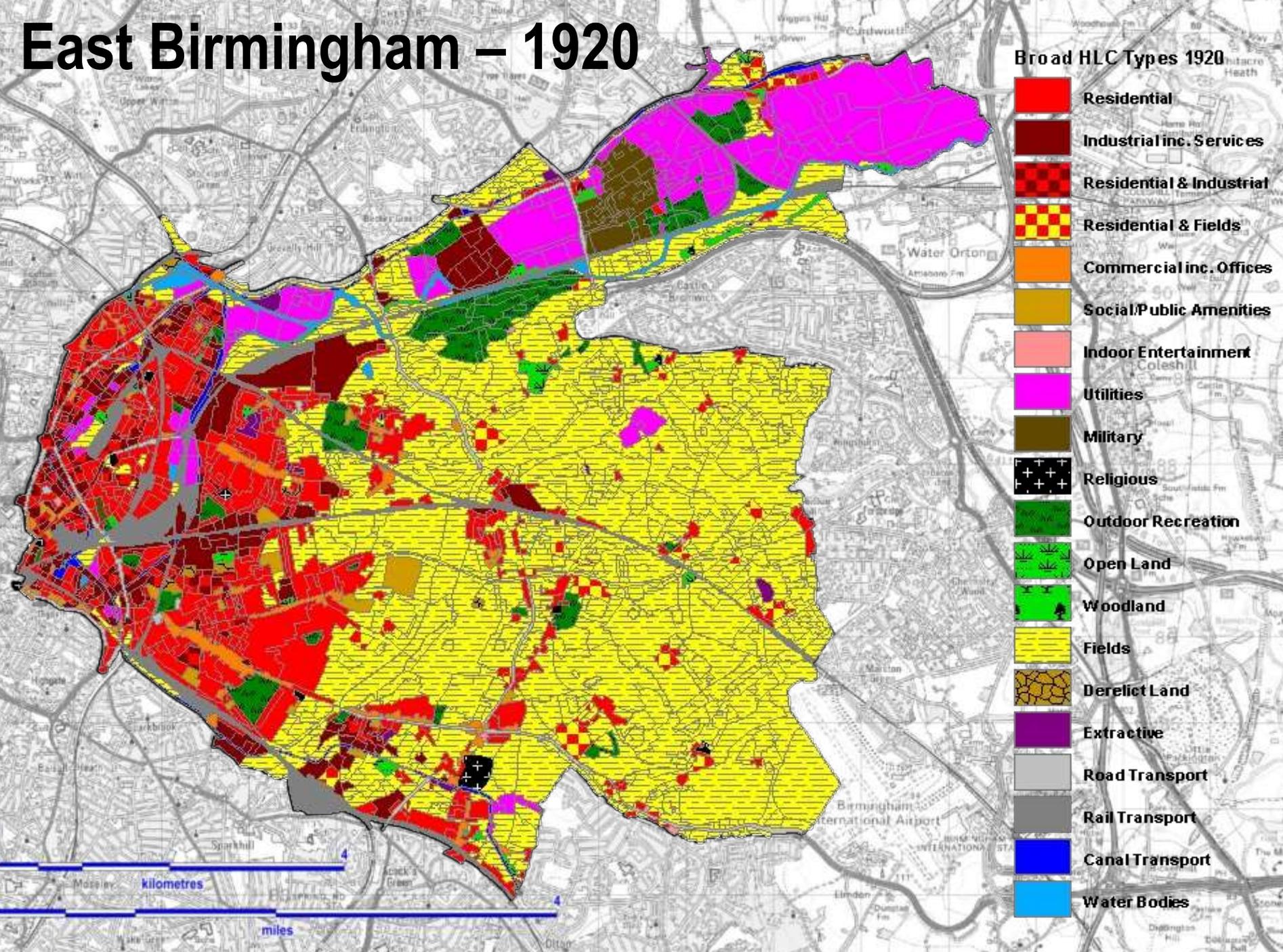


- Broad HLC Types 1880**
- Residential
 - Industrial inc. Services
 - Residential & Industrial
 - Residential & Fields
 - Commercial inc. Offices
 - Social/Public Amenities
 - Indoor Entertainment
 - Utilities
 - Military
 - Religious
 - Outdoor Recreation
 - Open Land
 - Woodland
 - Fields
 - Derelict Land
 - Extractive
 - Road Transport
 - Rail Transport
 - Canal Transport
 - Water Bodies

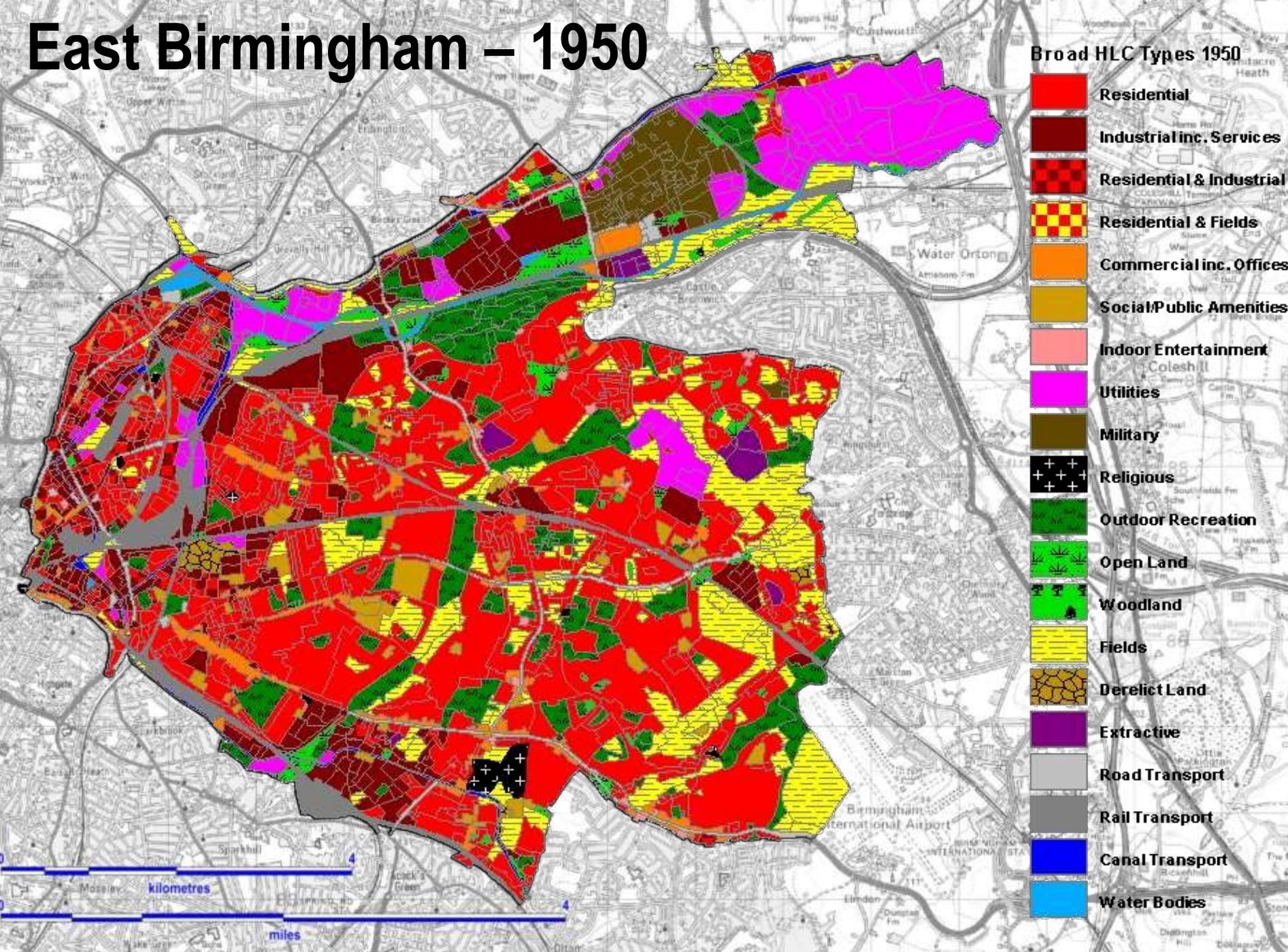
East Birmingham – 1900



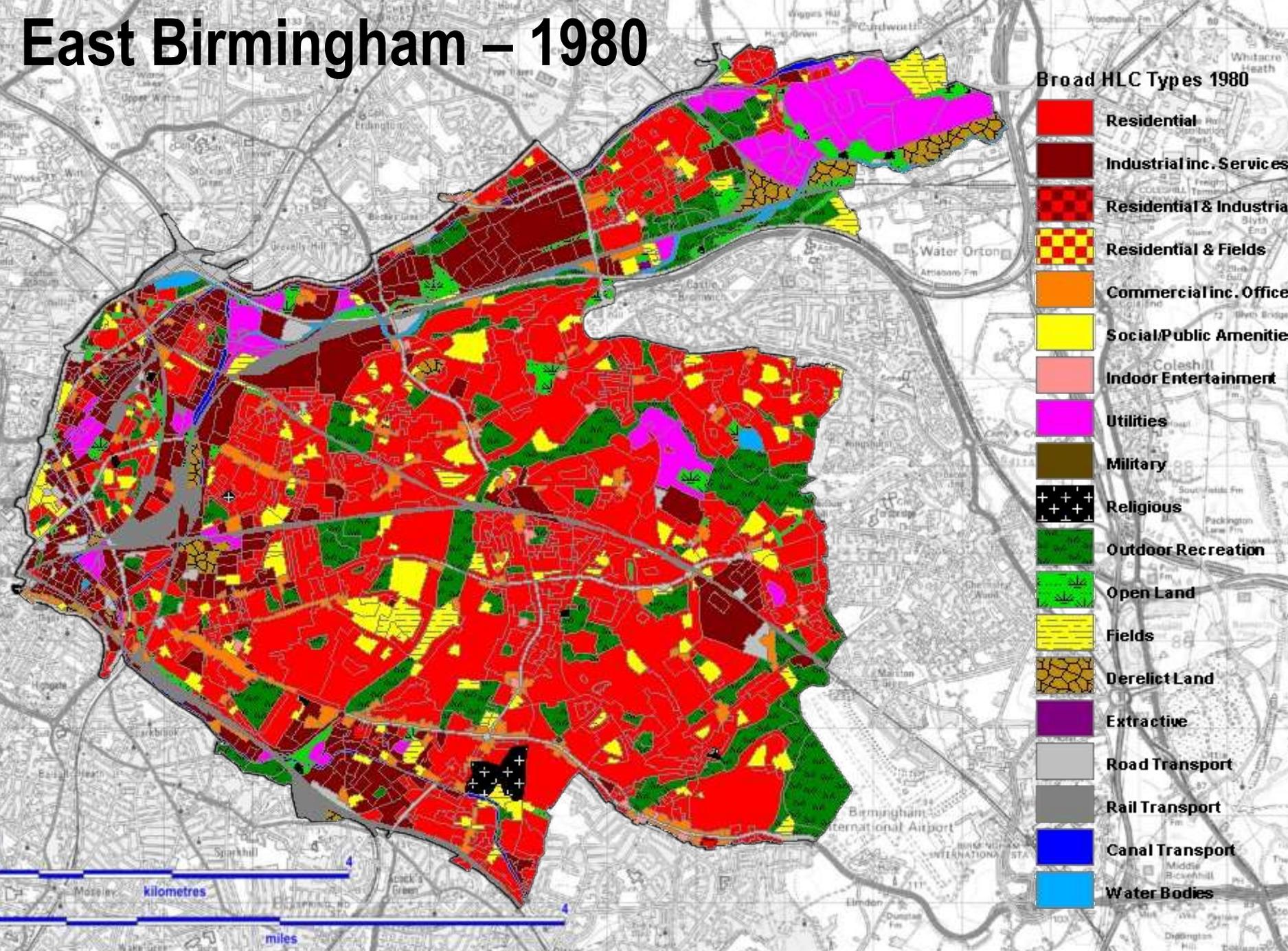
East Birmingham – 1920



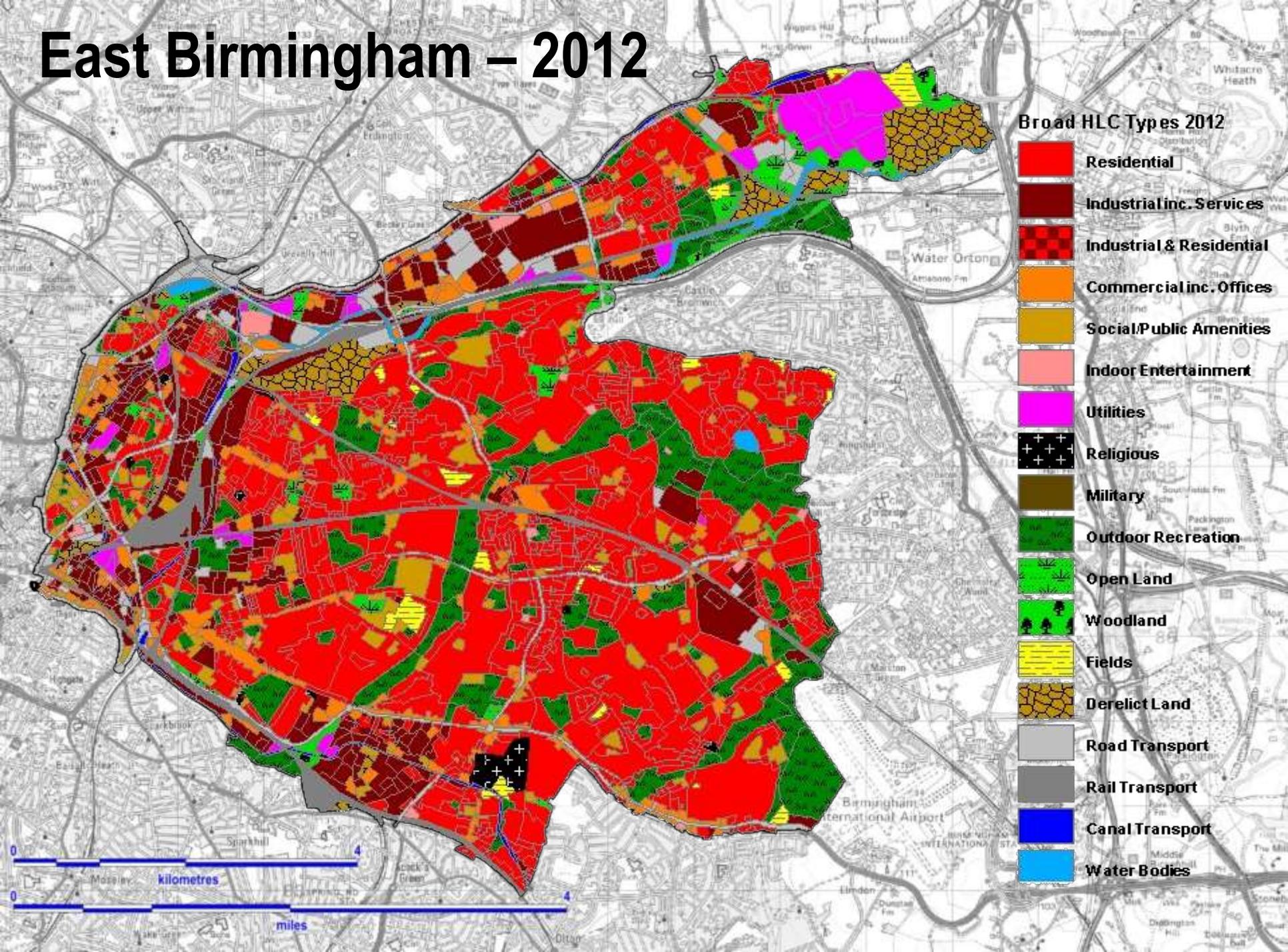
East Birmingham – 1950



East Birmingham – 1980



East Birmingham – 2012



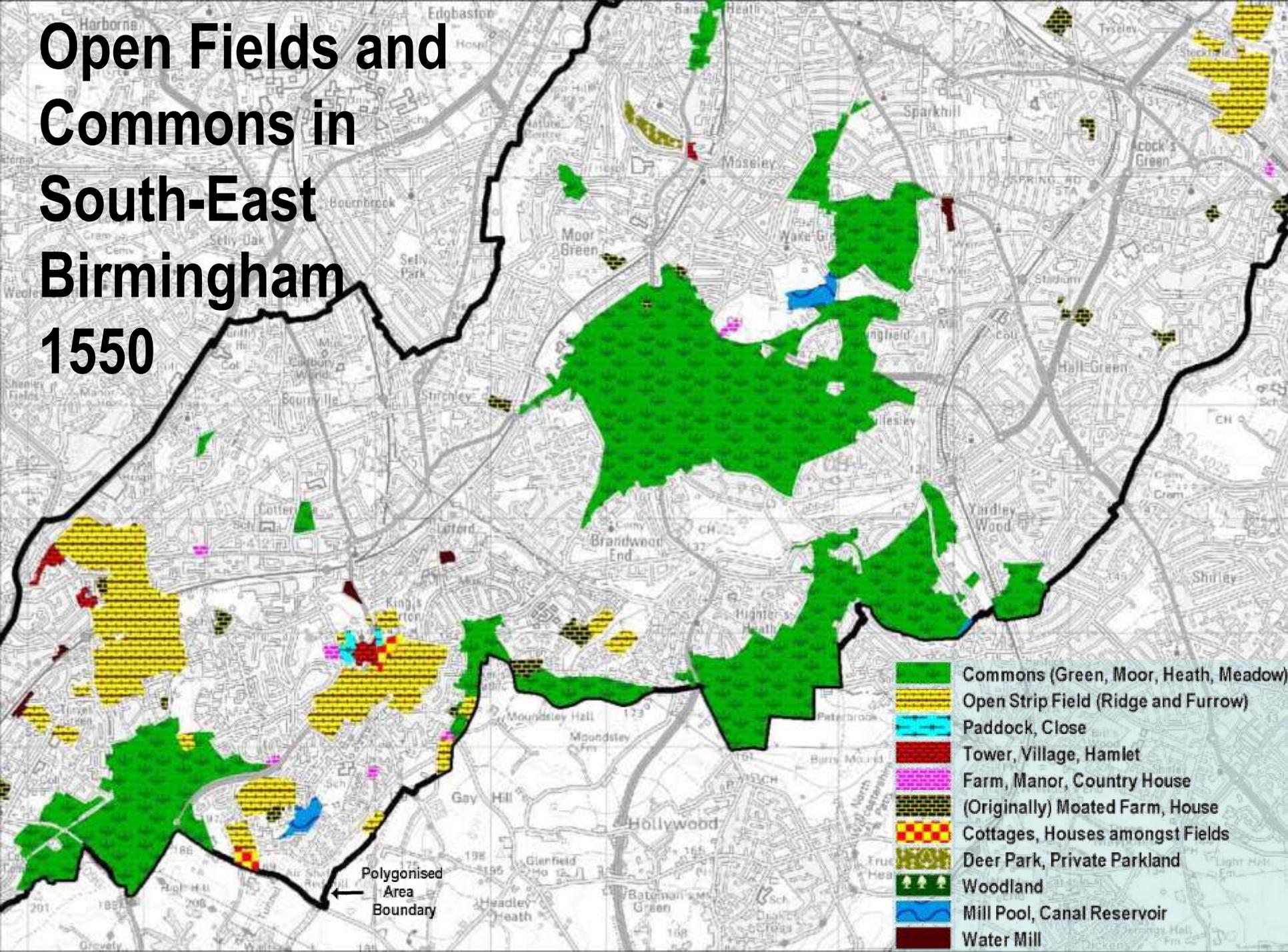
5. The Enclosure of Open Commons and Strip Fields in South-East Birmingham (1550-1830)

- This thematic map sequence was generated from a custom selection of recorded individual HLC types (sub-types), and it aims to illustrate the gradual enclosure of the open commons/waste and strip fields, which survived in the historic parishes of Yardley, King's Norton and Northfield in South-Eastern Birmingham, right up to the early 19th c.
- The first three maps (1550, 1750 and 1800) are largely based on extrapolated HLC data, as no contemporary detailed maps of the three parishes exist, either as historic originals or modern reconstructions, apart from a modern attempt at mapping the 1772 enclosure of King's Norton's commons, using documentary sources.
- The 1830 map is based on data captured from existing 1840s tithe maps (and the Yardley enclosure map) – and so the land use types it depicts are more accurate.

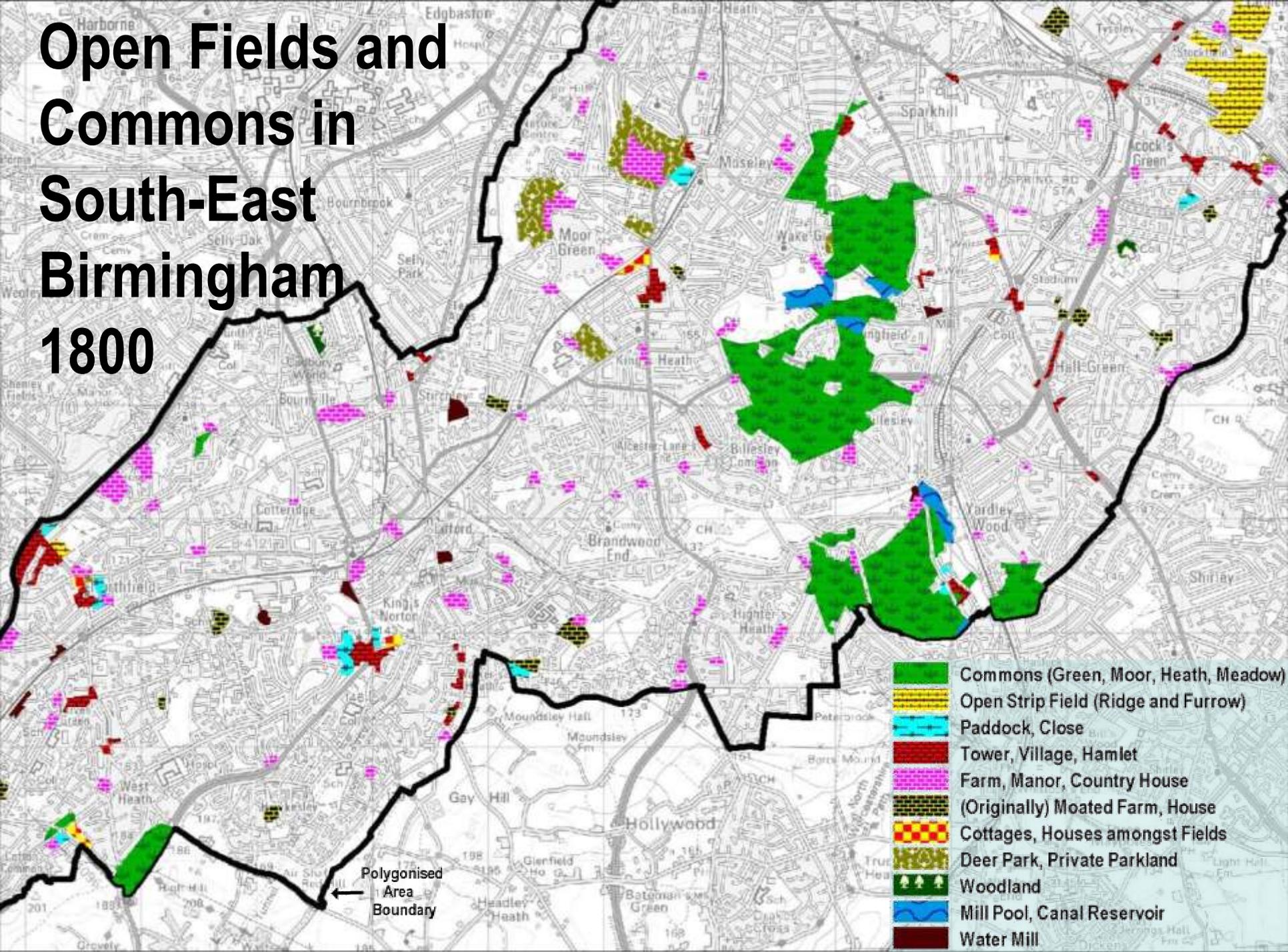
5. The Enclosure of Open Commons and Strip Fields in South-East Birmingham (cont'd)

- **Despite its limitations and inaccuracies, this map sequence illustrates well historic evolutions of South-East Birmingham's landscape such as:**
 - **A Tudor landscape of surviving open commons/waste and strip fields, small scattered settlements and moated halls/farms.**
 - **The gradual enclosure of the remaining open land, completed in King's Norton parish in 1772, in Yardley in 1833, and more gradually in Northfield (which lacks a parliamentary enclosure act).**
 - **The development of substantial country houses and surrounding parkland at Moor Green Hall, Moseley Hall and Park (1630s) and King's Heath House (post-1775).**
 - **The growth of settlement centres along the main roads turnpiked during the 18th c. (e.g. Bristol Road, Stratford Road).**

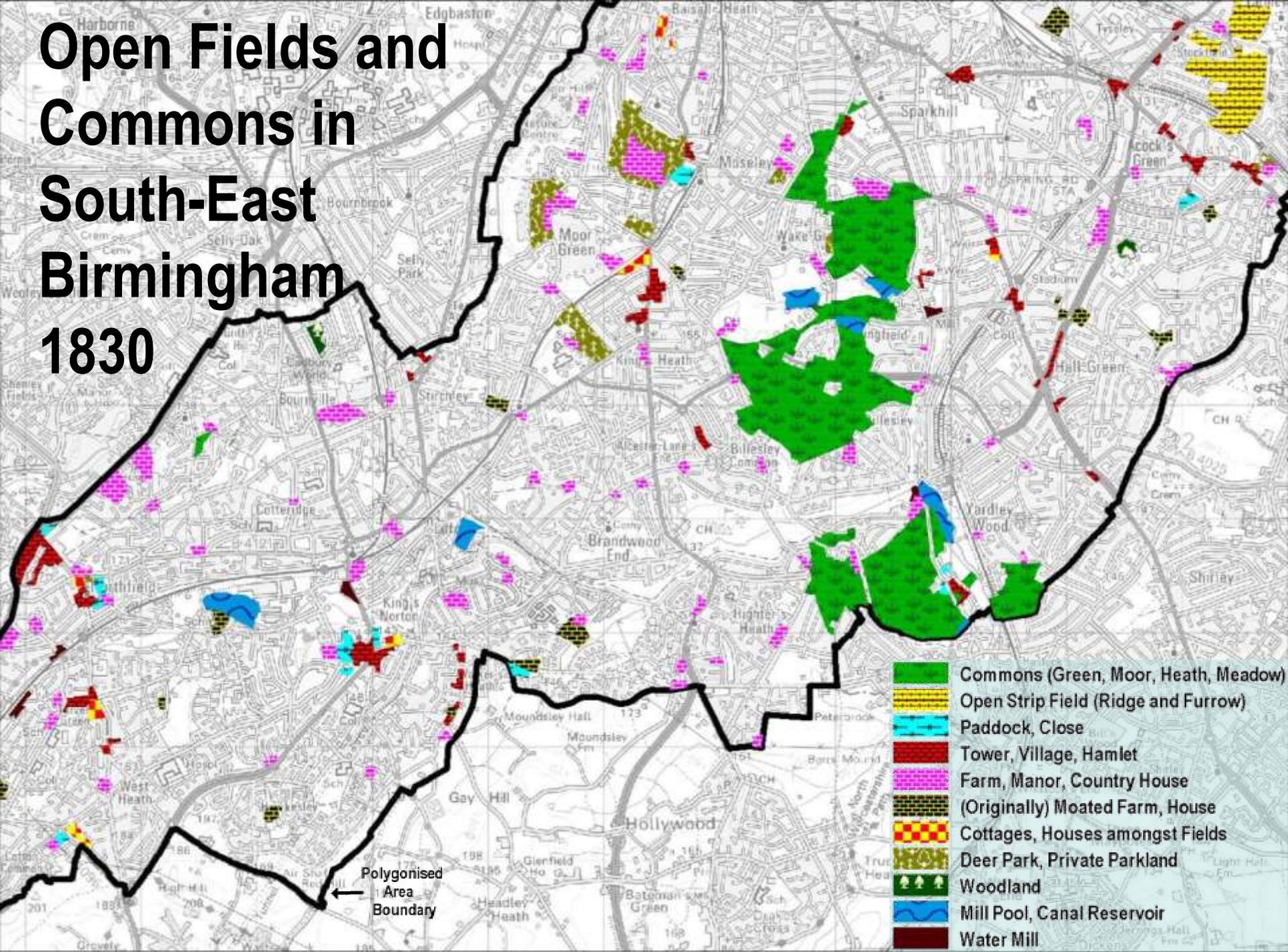
Open Fields and Commons in South-East Birmingham 1550



Open Fields and Commons in South-East Birmingham 1800



Open Fields and Commons in South-East Birmingham 1830



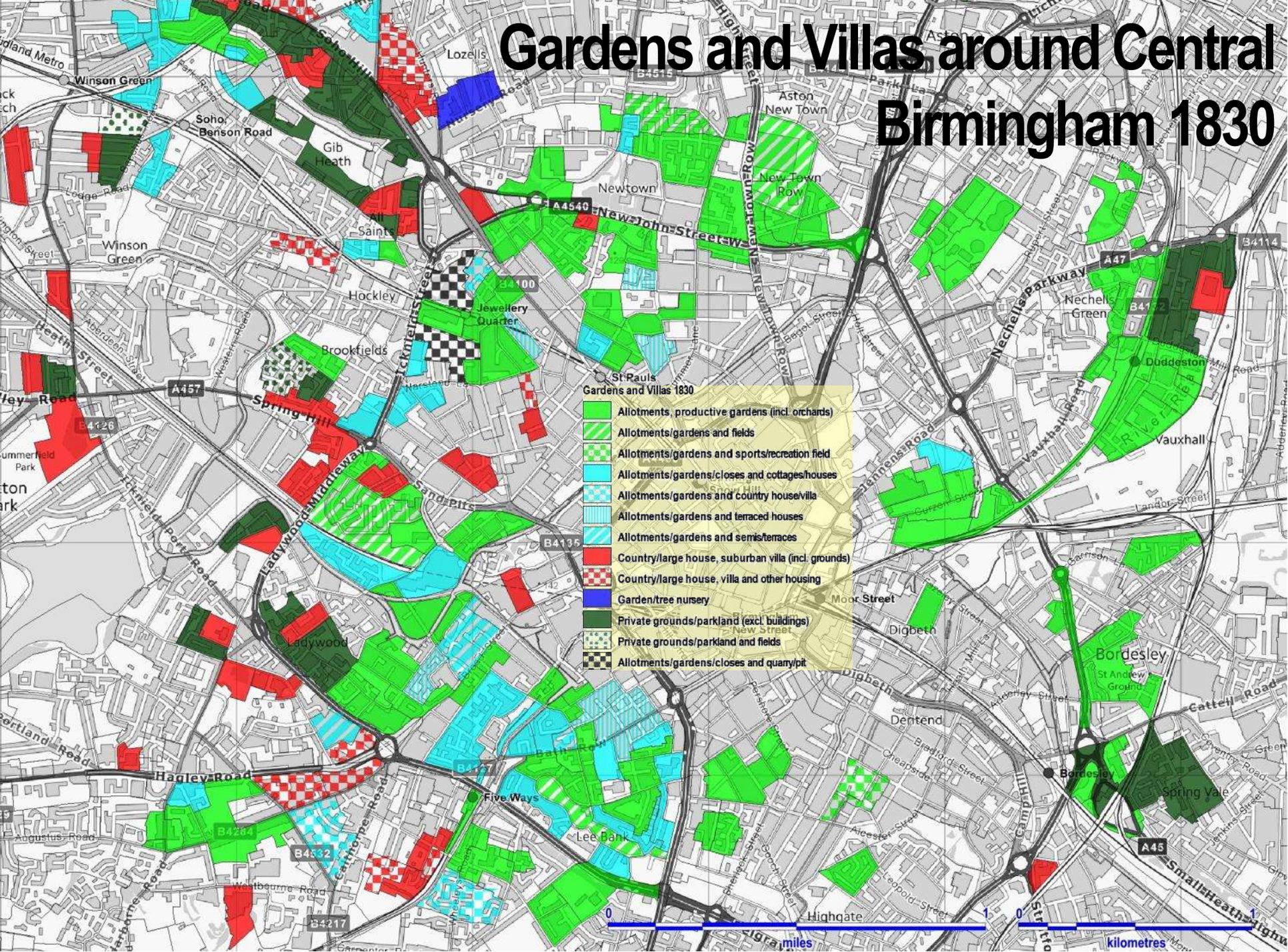
- Commons (Green, Moor, Heath, Meadow)
- Open Strip Field (Ridge and Furrow)
- Paddock, Close
- Tower, Village, Hamlet
- Farm, Manor, Country House
- (Originally) Moated Farm, House
- Cottages, Houses amongst Fields
- Deer Park, Private Parkland
- Woodland
- Mill Pool, Canal Reservoir
- Water Mill

Polygonised Area Boundary

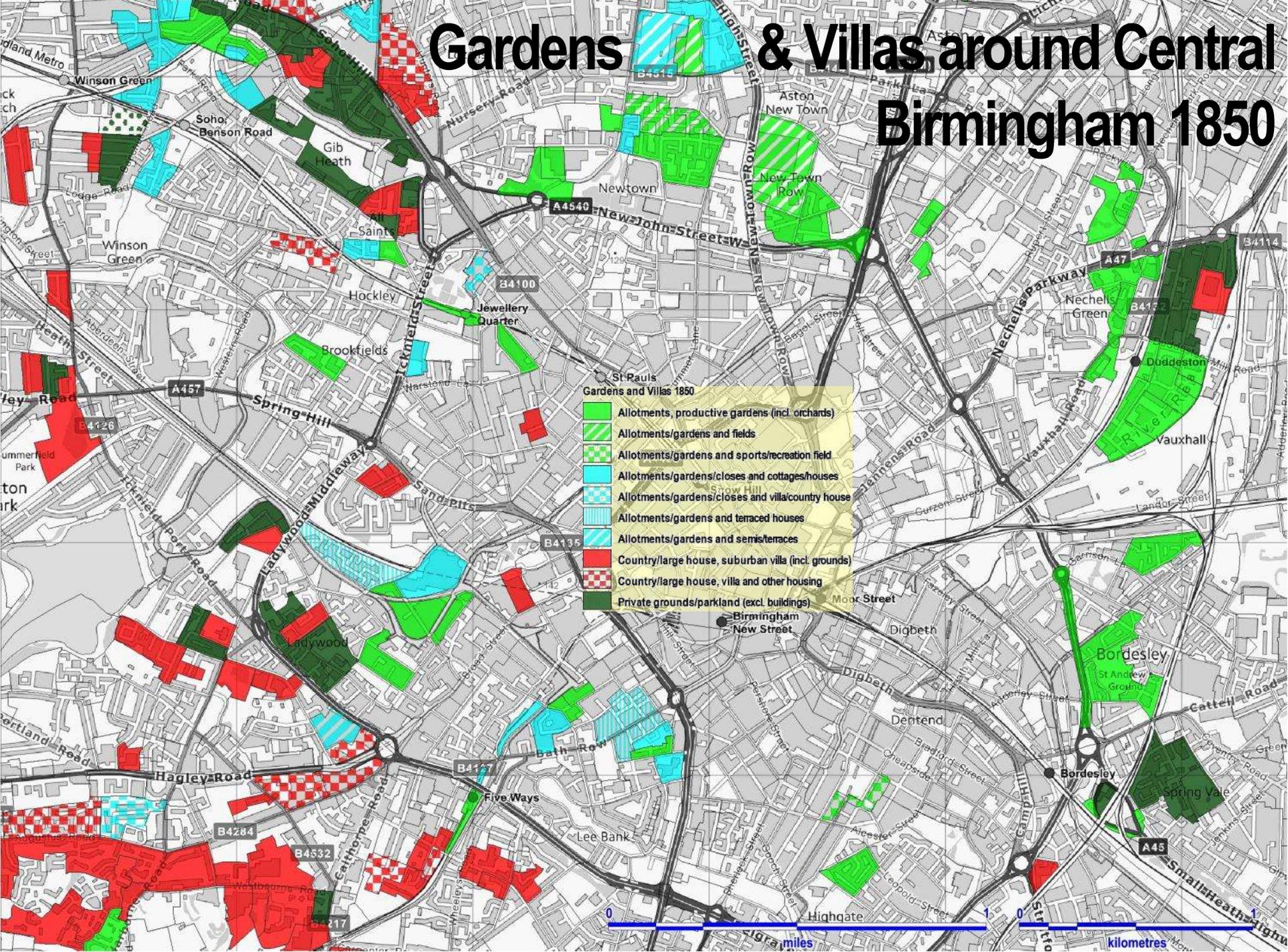
6. Allotment Gardens, Country Houses and Villas around Central Birmingham (1830-1880)

- This thematic map sequence was generated from a custom selection of recorded individual HLC types (sub-types), and it aims to illustrate how the 'halo' of productive/allotment gardens and suburban villas/country houses surrounding the city centre in the early 19th c. were gradually being swallowed up by the outward expansion of the built-up areas of Birmingham (housing and industrial) in the following decades.
- The 1830 and 1850 data comes from the detailed 1828 and 1855 plans of Birmingham surveyed by Pigott Smith. Besides the disappearance of working gardens, country houses and their grounds (Soho, Ladywood and Duddeston House) and villas from areas close to Birmingham itself, the 1880 map also shows along its western edge, the expansion of the suburban villas and large detached houses in northern Edgbaston, and the emergence of the extensive grounds around the New Birmingham Workhouse (today's City Hospital) and the Birmingham Mental Asylum.

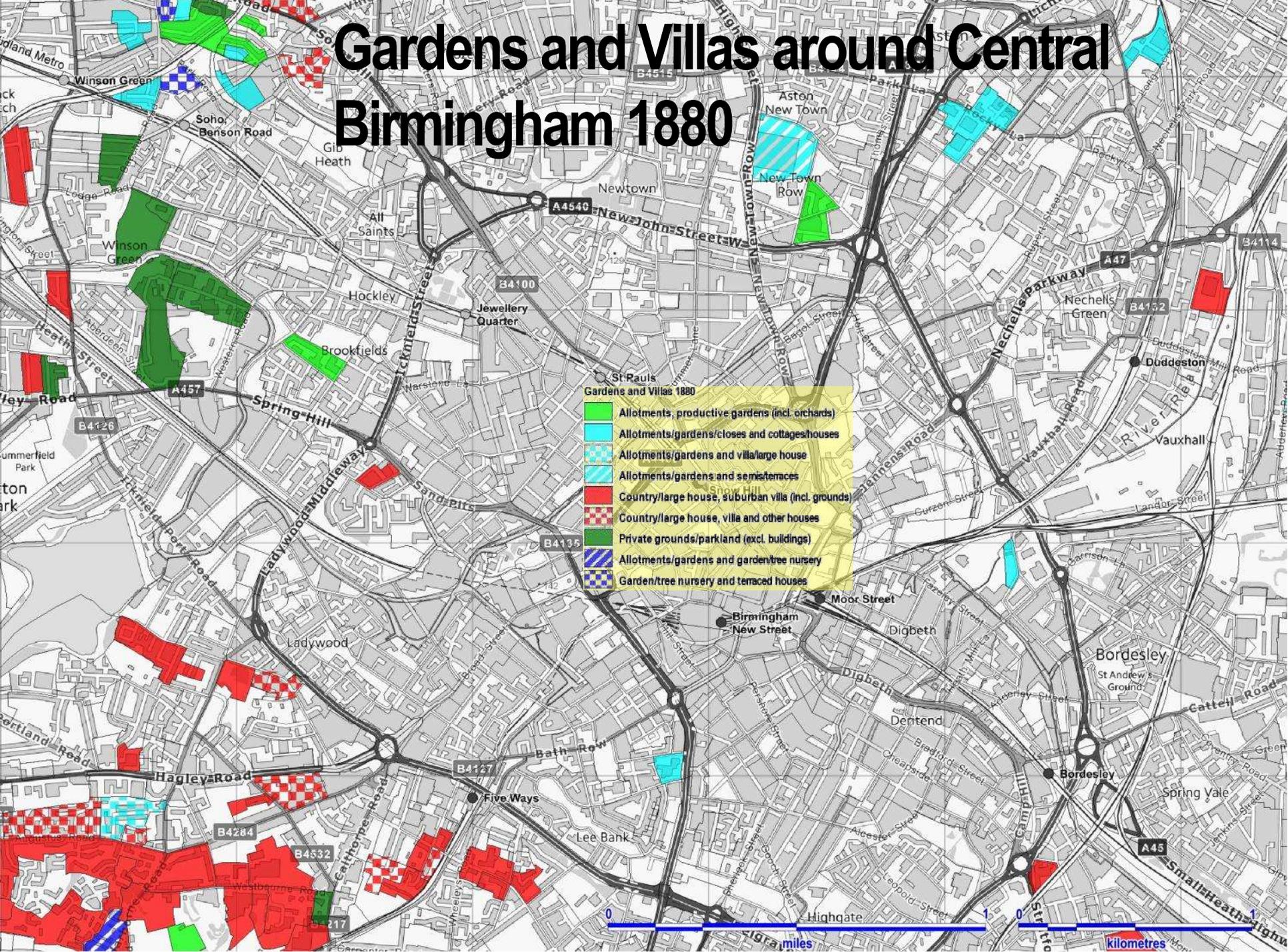
Gardens and Villas around Central Birmingham 1830



Gardens & Villas around Central Birmingham 1850



Gardens and Villas around Central Birmingham 1880



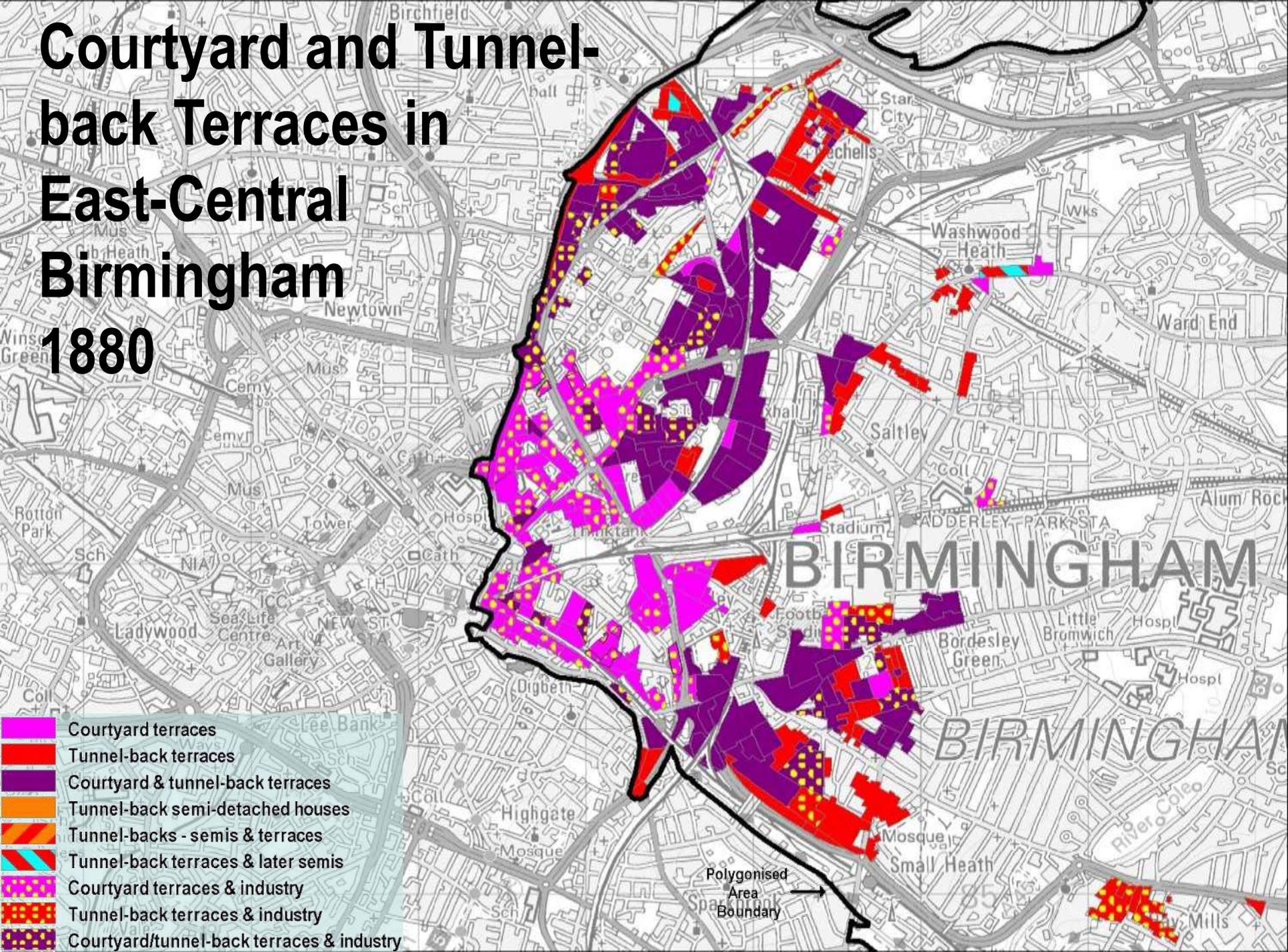
7. The Evolution of Victorian and Edwardian Age Terraces in East-Central Birmingham (1880-2013)

- This 'thematic' map sequence was generated from a customised selection of individual HLC types (sub-types) and it only covers the area characterised during the first year of the Birmingham HLC (2012).
- It aims to illustrate the evolution of the two main types of 19th c. working class housing built in Birmingham: **courtyard** and **tunnel-back terraces**. 'Courtyard' terraces – which included the much maligned 'back-to-backs' – have completely disappeared from Birmingham as a result of post-war 'slum clearance' (with one notable exception), while a significant number of 'tunnel-backs' still survive throughout the city.
- All the maps in this sequence are based on data captured from actual maps of the area, right up to the present day.

7. The Evolution of Victorian and Edwardian Age Terraces in East-Central Birmingham (cont'd)

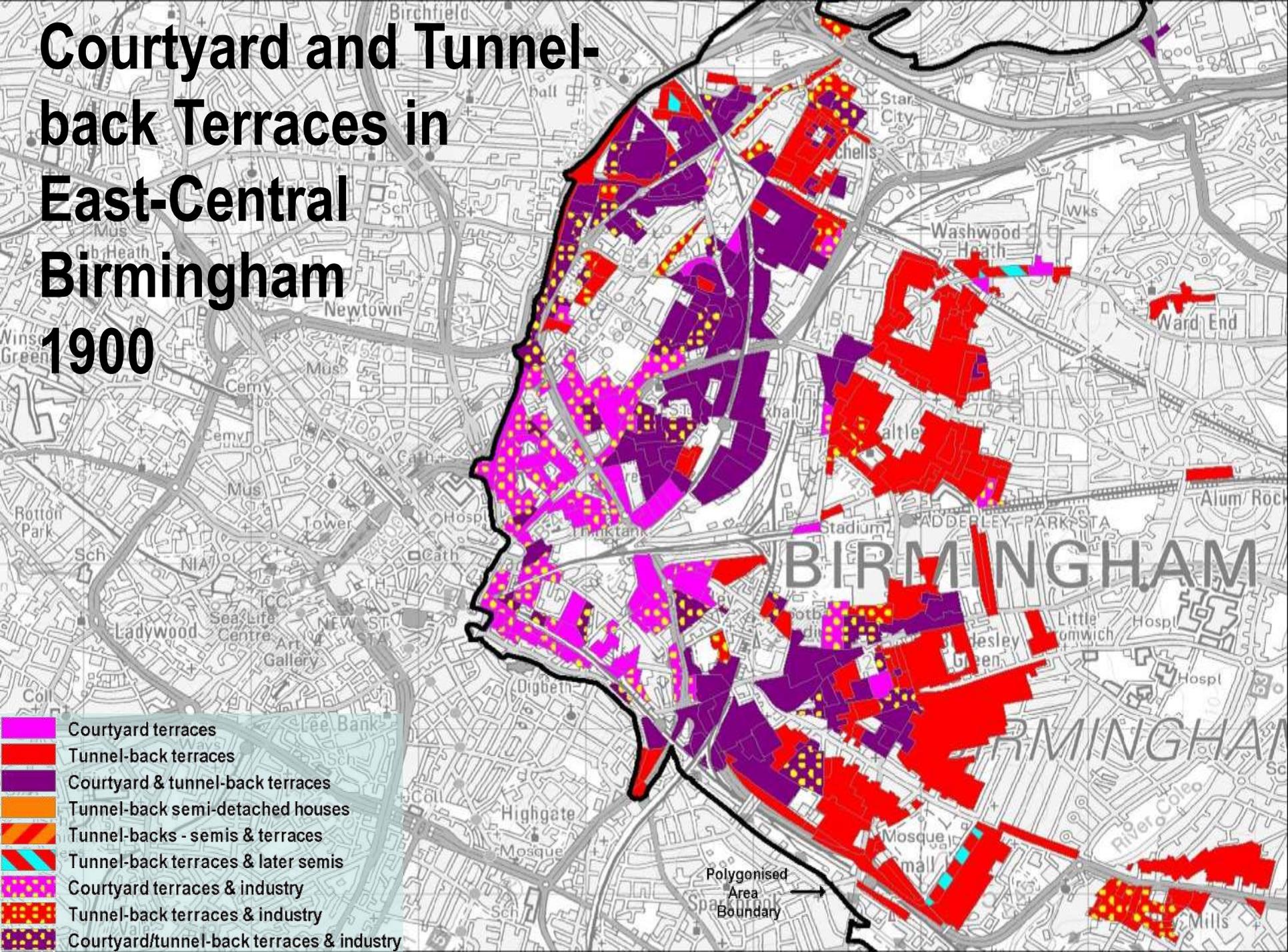
- Despite its limitations and inaccuracies, this map sequence illustrates well the evolution of East-Central Birmingham's 19th c. terraces:
 - To start with (1880) 'courtyard' terraces – on their own or mixed with 'tunnel-back terraces' or industrial premises – predominate in this area, especially along its earlier built western edge.
 - As the building of 'back-to-backs' had been banned in Birmingham since 1876, later maps show only 'tunnel-back' terraces expanding eastwards until 1915, after which they also are not built any more.
 - The 'clearance' of the courtyards starts after 1920 and amplifies after 1950, until all have been eliminated; any 'tunnel-back' terraces that were mixed amongst them, also disappear as a result of this.
 - Furthermore, post-war re-development also eliminates the mixture of terraces and industry that was characteristic of so many Victorian and Edwardian working class neighbourhoods.

Courtyard and Tunnel-back Terraces in East-Central Birmingham 1880

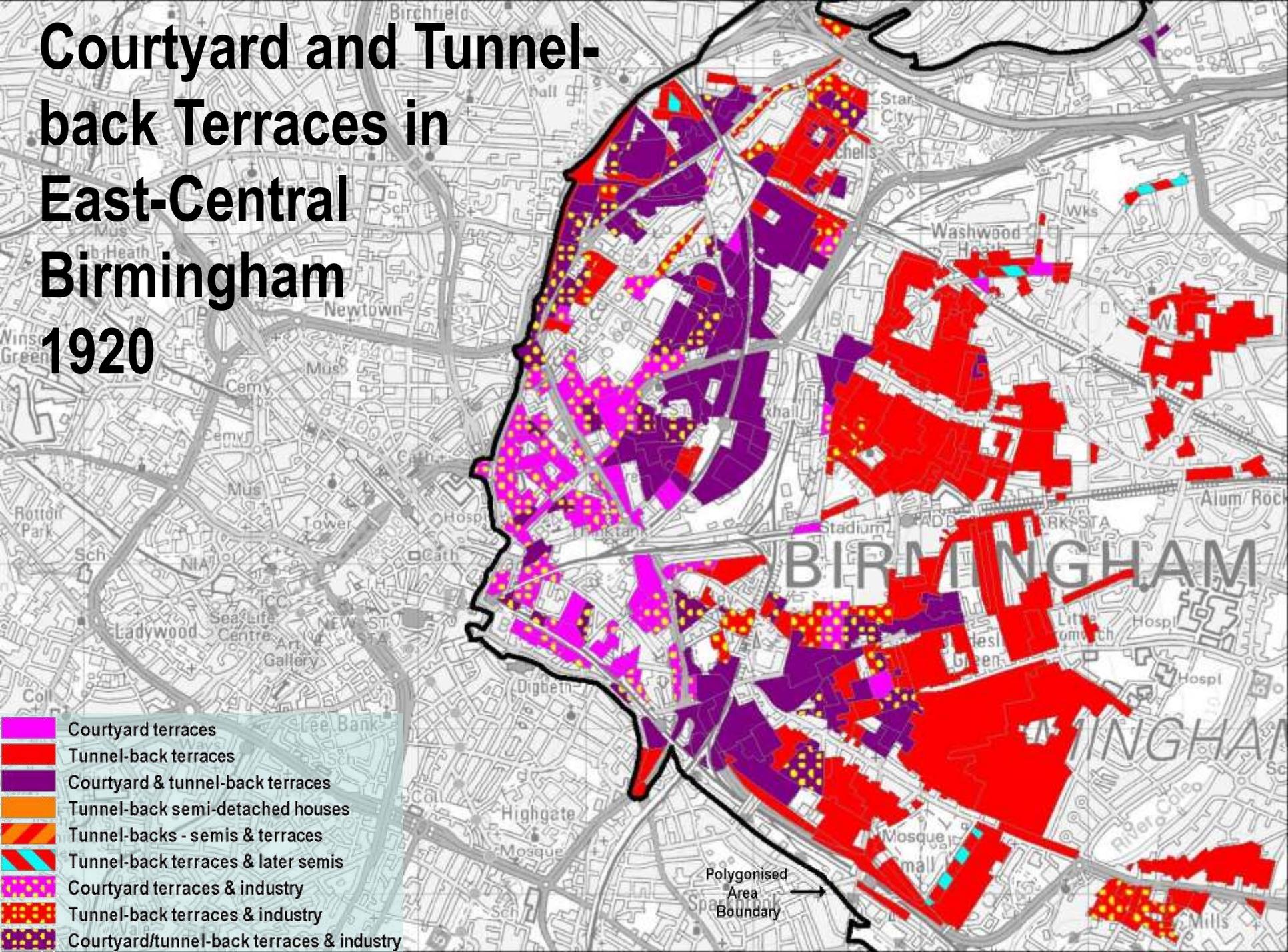


- Courtyard terraces
- Tunnel-back terraces
- Courtyard & tunnel-back terraces
- Tunnel-back semi-detached houses
- Tunnel-backs - semis & terraces
- Tunnel-back terraces & later semis
- Courtyard terraces & industry
- Tunnel-back terraces & industry
- Courtyard/tunnel-back terraces & industry

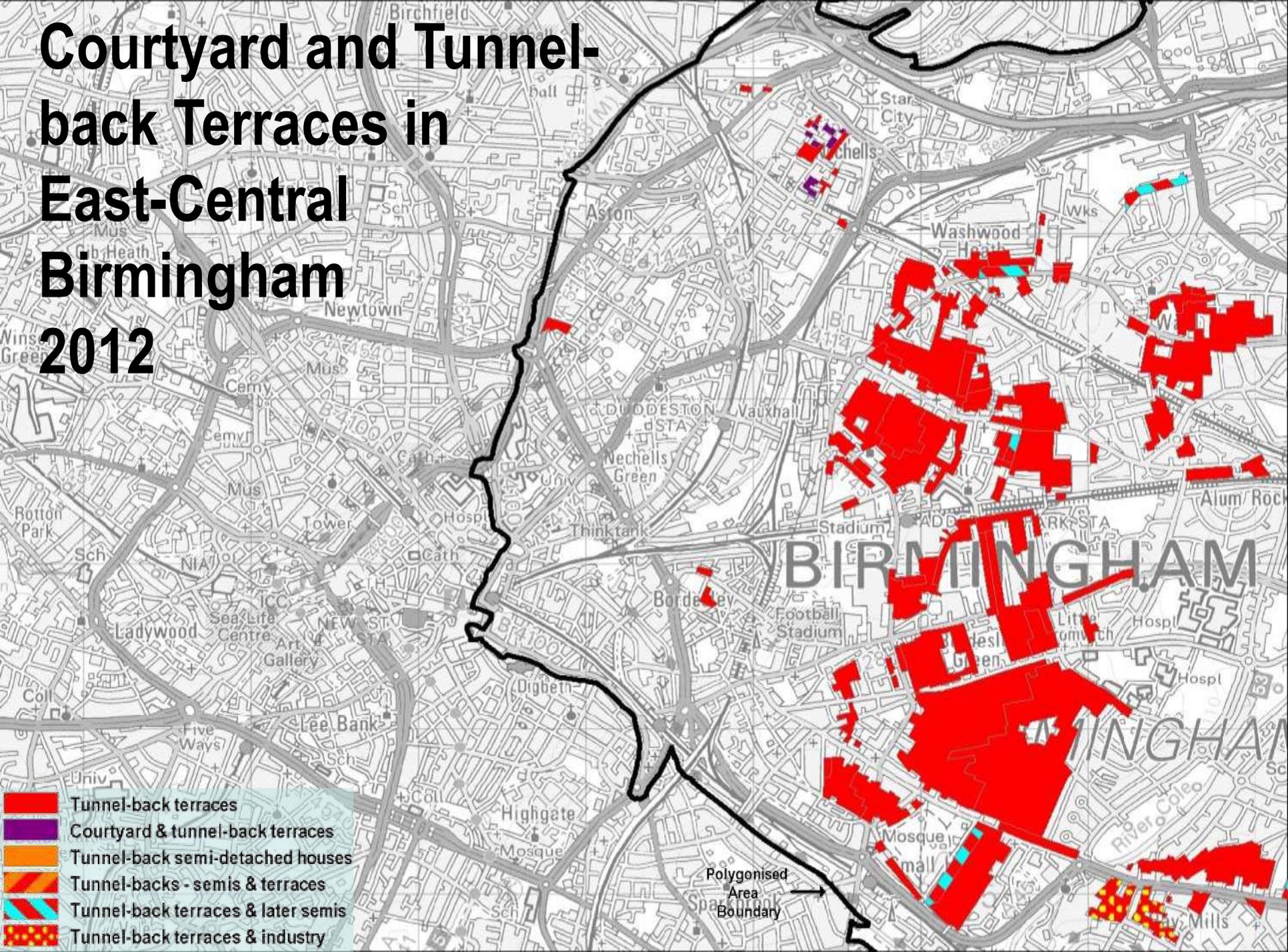
Courtyard and Tunnel-back Terraces in East-Central Birmingham 1900



Courtyard and Tunnel-back Terraces in East-Central Birmingham 1920



Courtyard and Tunnel-back Terraces in East-Central Birmingham 2012



- Tunnel-back terraces
- Courtyard & tunnel-back terraces
- Tunnel-back semi-detached houses
- Tunnel-backs - semis & terraces
- Tunnel-back terraces & later semis
- Tunnel-back terraces & industry

Polygonised Area Boundary

8. The Evolution of Vehicle Manufacturing in East-Central Birmingham (1900-2013)

- This thematic map sequence was generated using MapInfo in 2013 from a custom selection of individual HLC types (sub-types) captured during the previous year – and as such it only covers the Birmingham area characterised by Dec 2012.
- The sequence aims to illustrate the evolution of vehicle manufacturing in East-Central Birmingham, where a lot of this sector was (and still is) based. This sector included the manufacture (and repair) of railway carriages and wagons, bicycles and motorbikes, cars and vans, as well as various components and spares for them (e.g. tyres, engines and lights), and even aircraft (during World War Two) and related parts.
- All the maps in this sequence are based on data captured from actual maps of the area, right up to the present day, and also from additional online research, but dating accurately when industrial facilities started, closed down or changed production profile is not always possible.

8. The Evolution of Vehicle Manufacturing in East-Central Birmingham – the Early Years

- In 1900, this sector consisted largely in this area, of 3 railway carriage and wagon works: Saltley (1845 to 1962), Midland at Landor Street (post-1853 to 1912) and Britannia at Adderley Park (1853 to 1908).
- By 1915, the new automotive industry was expanding fast, producing:
 - Bicycles and motorbikes at BSA's Small Heath Works (1908-10 to 1957-73), cycle components at Perry's Tyseley Works (1913 to 1962, later on motor accessories until 2004 as Tenneco-Walker UK).
 - Cars and commercial vehicles at Wolseley's Adderley Park Works (1901 to 1972).
- In the manufacture (and repair) of railway vehicles, the Washwood Heath Works (1912 to 2005, later Metro-Cammell and then Alstom) replaced the Landor Street site, while the Adderley Park Works were taken over (by 1912) by the Wolseley Motor Co.

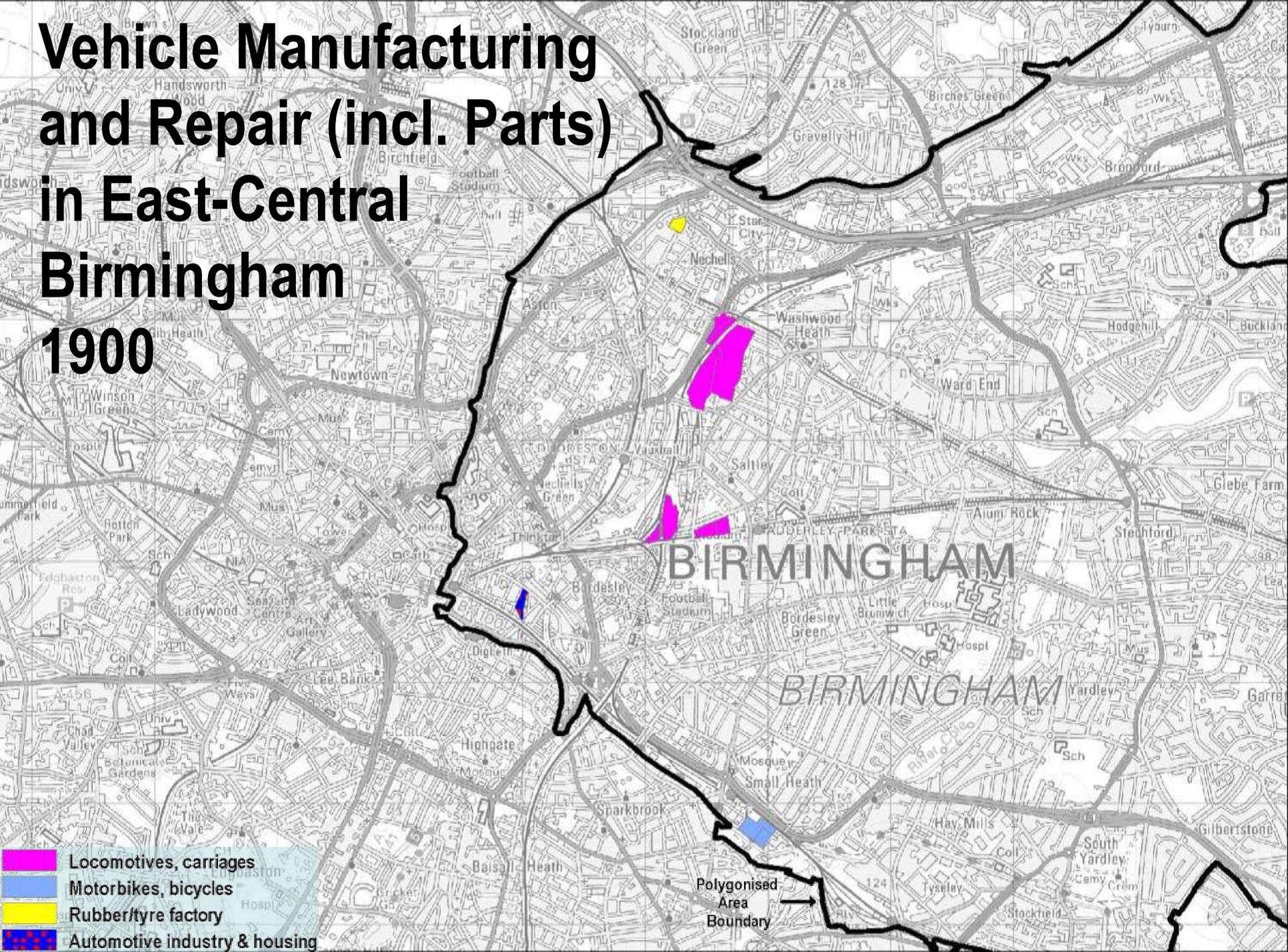
8. The Evolution of Vehicle Manufacturing in East-Central Birmingham – the Glory Years

- **The inter-war years saw a massive increase in the automotive sector:**
 - **Bicycles and motorbikes at CWS (Co-operative)'s Federal Works (1918-20 to 1960s) and BSA's Waverley Works (motorbikes from 1921, bicycles after 1945 until to ca. 1957-73).**
 - **Cars and commercial vehicles at Wolseley's Ward End (Washwood Heath) Works (1919 to 2009, as LDV) and Singer Motors' Small Heath Works (1926-27 to post-1956).**
 - **Tyres at Dunlop's Fort Dunlop plant (1917 to ca. 1985-90), bicycle tubes at Reynolds' Hay Hall Works (1917-20 to 2007) and motor accessories at Wilmot Breeden's Tyseley plant (ca. 1928 to 1978).**
- **By the 1950s, the automotive sector reached its peak in this area, with the arrival of the Castle Bromwich car body/assembly plant (1945 to this date, as Jaguar) and the nearby Hardy Spicer & Co.'s Chester Road automotive accessories works (1957-59 to this date, as GKN Driveline).**

8. The Evolution of Vehicle Manufacturing in East-Central Birmingham – the Decline Years

- **After 1960, the vehicle manufacturing sector enters into decline, so by 1980, the only surviving significant industrial sites in this area were:**
 - **Railway: Metro-Cammell's (later Alstom) Washwood Heath plant.**
 - **Automotive: Jaguar's Castle Bromwich car plant, British Leyland's (later LDV) Washwood Heath (Ward End) van plant.**
 - **Parts and accessories: Fort Dunlop tyre plant, Reynolds Tube's Hay Hall Works (cycle tubes), GKN Driveline's Chester Road automotive accessories works and Tenneco-Walker's Tyseley exhaust factory.**
- **The decline continued so that by 2014, the Jaguar and GKN Driveline plants were the only significant automotive facilities left in this area.**
 - **Dunlop Aircraft Tyres is a small remnant of the huge Fort Dunlop site, Reynolds Tube moved to a new site in 2007, while Tenneco-Walker is now only a parts wholesale warehouse (since 2004).**

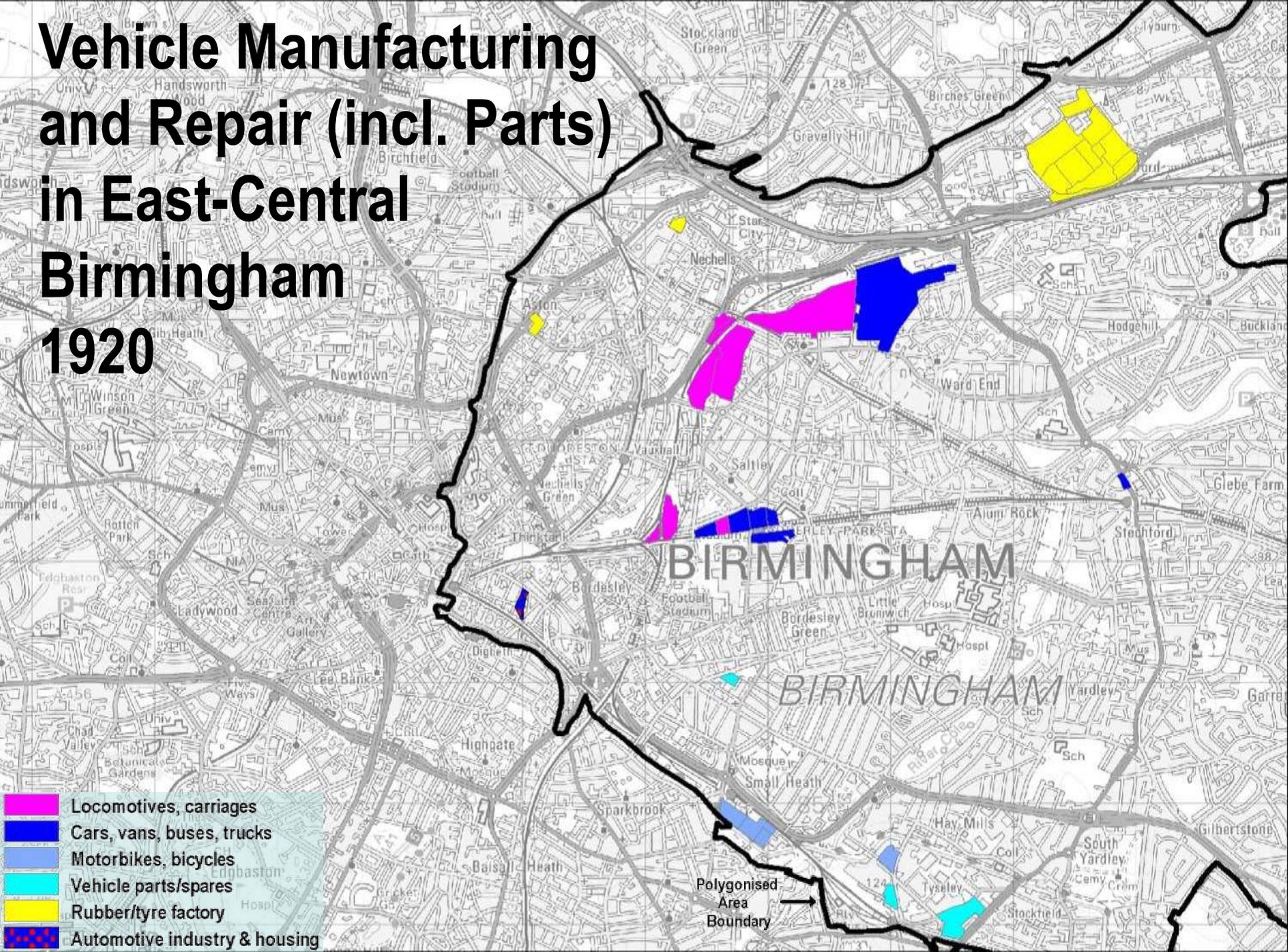
Vehicle Manufacturing and Repair (incl. Parts) in East-Central Birmingham 1900



- Locomotives, carriages
- Motorbikes, bicycles
- Rubber/tyre factory
- Automotive industry & housing

Polygonised Area Boundary

Vehicle Manufacturing and Repair (incl. Parts) in East-Central Birmingham 1920

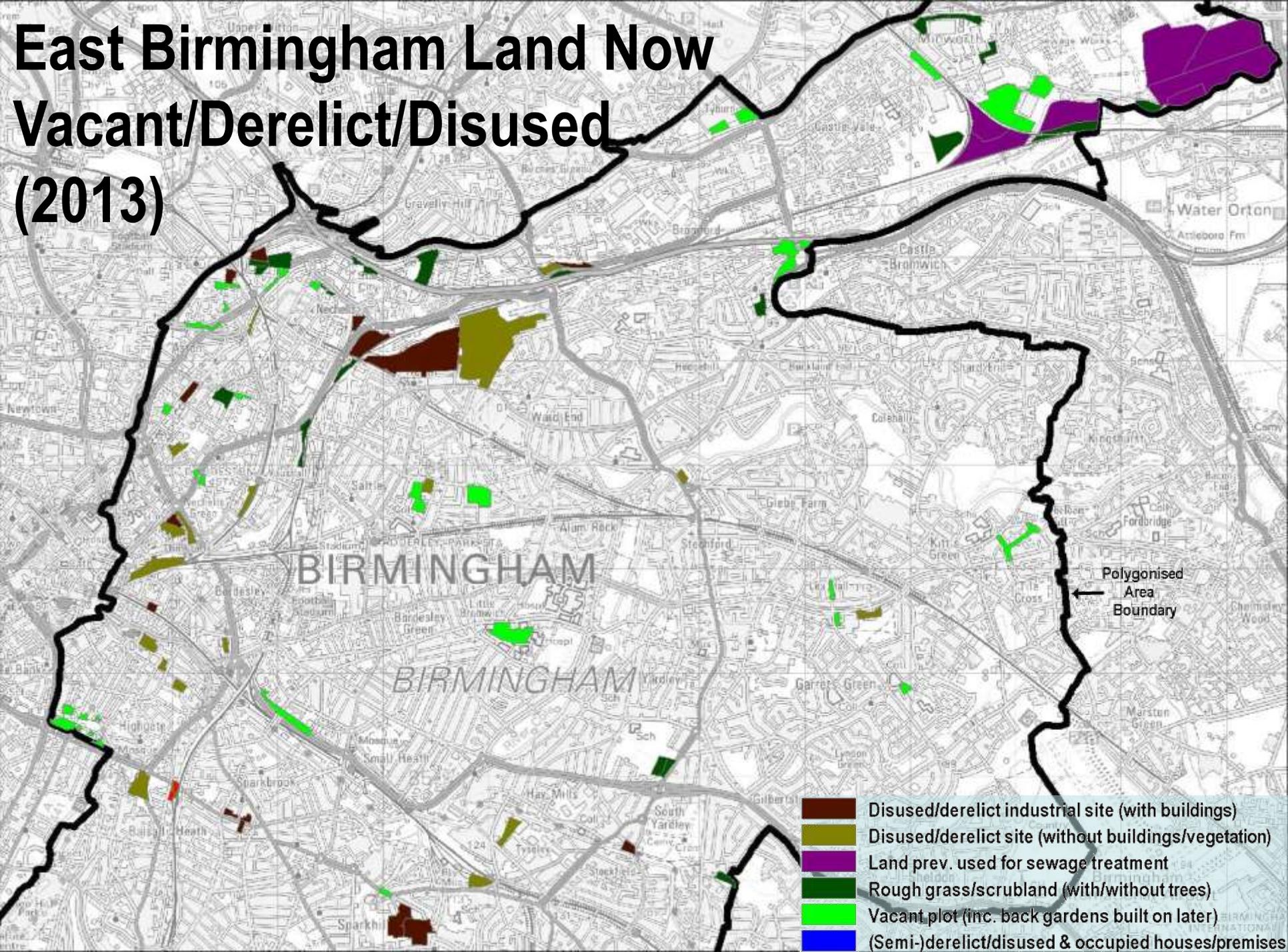


- Locomotives, carriages
- Cars, vans, buses, trucks
- Motorbikes, bicycles
- Vehicle parts/spares
- Rubber/tyre factory
- Automotive industry & housing

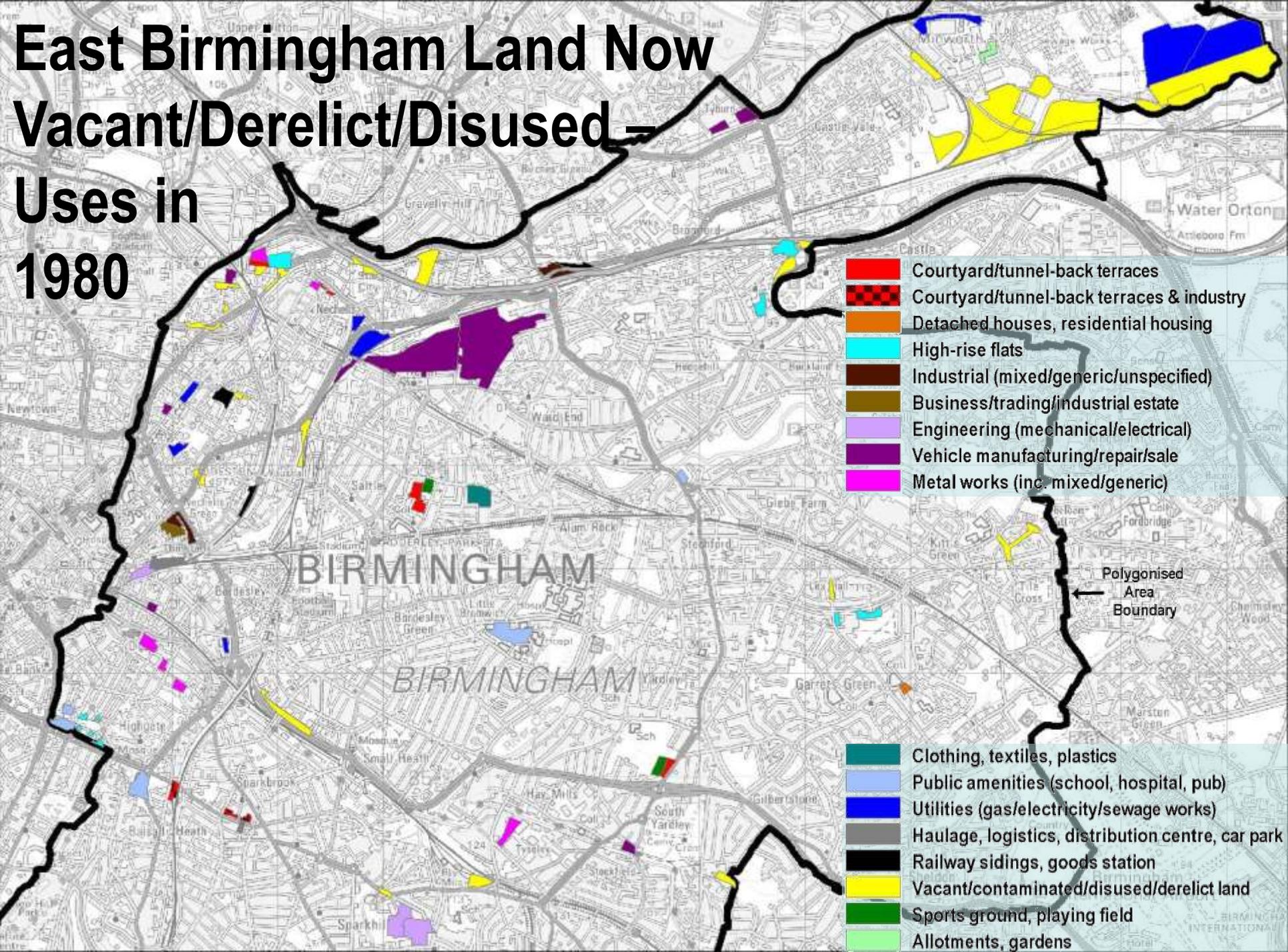
9. Previous Uses of Land Currently Vacant/(Semi-) Derelict/Disused in East Birmingham (1950-2013)

- **This thematic map sequence was generated from a custom selection of individual HLC types (sub-types). Using reverse chronological order, it aims to illustrate the past uses of land recorded by the Birmingham HLC as being currently vacant/underused or (semi-)derelict/disused – including contaminated land. Most of such land was previously either:**
 - **filter/sludge beds of the Minworth sewage treatment plant;**
 - **utility sites (e.g. Washwood Heath Gas Works);**
 - **industrial premises, some very large (e.g. LDV and Metro-Cammell/Alstom in Washwood Heath, or Lucas Battery Works in Sparkhill).**
- **All the maps in this sequence are based on data captured from actual maps of the area, right up to the present day, and also from additional online research, but dating accurately when e.g. factories or utilities closed down and their site became derelict, is not always possible.**

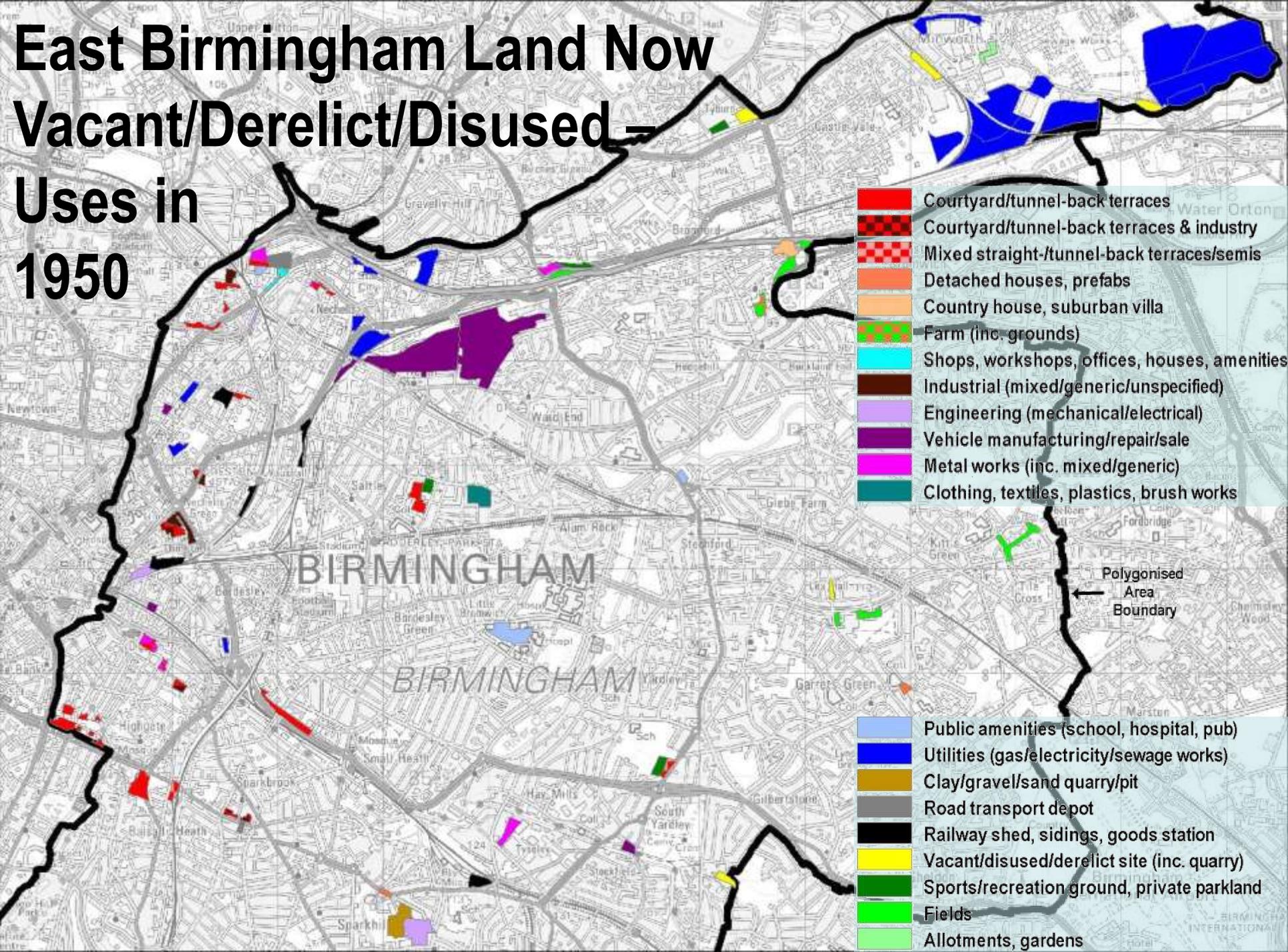
East Birmingham Land Now Vacant/Derelict/Disused (2013)



East Birmingham Land Now Vacant/Derelict/Disused – Uses in 1980



East Birmingham Land Now Vacant/Derelict/Disused – Uses in 1950

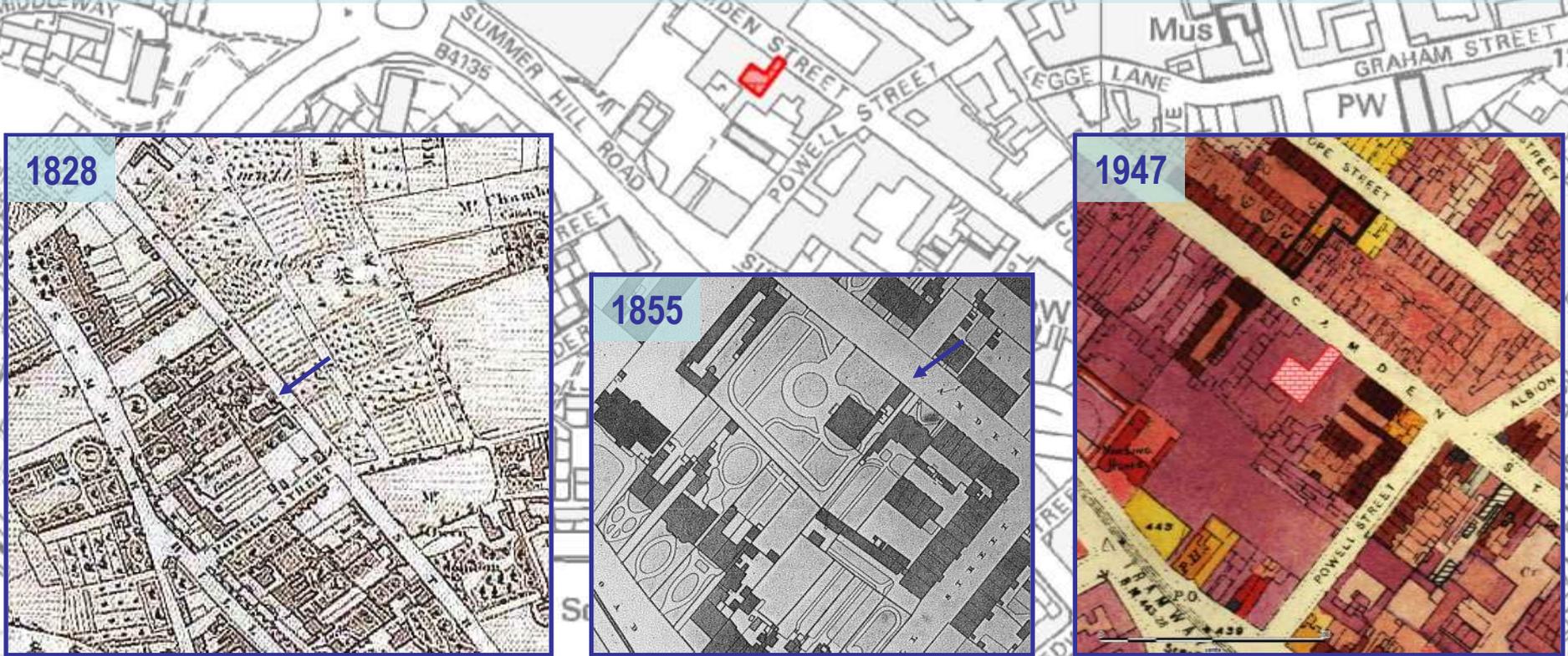


10. The 'Story' of Two Jewellery Quarter Sites

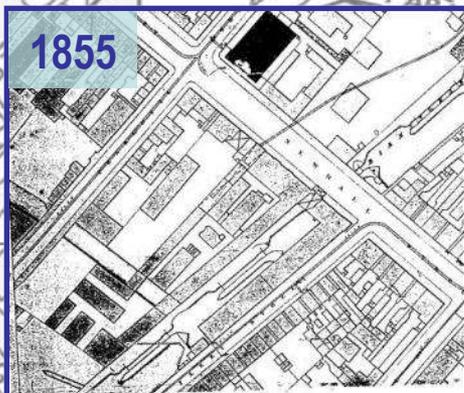
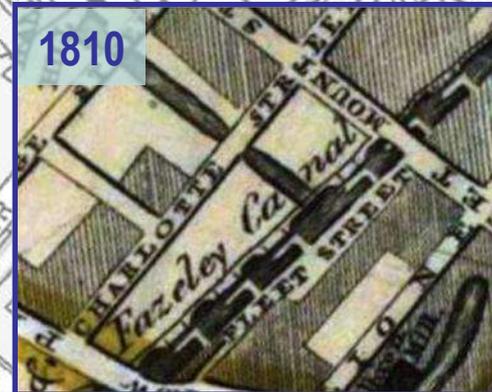
- While HLC output is best 'seen from a distance' as a rule, the captured data and accompanying maps can also help 'tell the story' of individual sites of historic interest, even where there is not much left to see today. And the 'Jewellery Quarter' area (Hockley-Warstone-Sandpits) has seen many such land use changes over the last quarter of a millennium.
- The square of Heaton House rising from the middle of a (now derelict and inaccessible) industrial site, as shown on modern aerial photos – and its depiction on Pigott Smith's 1825 and 1855 maps as a small suburban villa – looked unusual enough to invite a closer look during the recording of the Birmingham HLC.
- The number and variety of historic land use changes witnessed by this site – containing in 2013 a hotel (Travelodge), offices (MADE) and a pub, while part of it was still vacant – encapsulates perfectly how HLC data can even be used to tell the 'story' of an individual site.

Heaton House, 121-37 Camden St. (in HBM4522)

- (One of) the last surviving suburban villa(s) in the Jewellery Quarter, Heaton House was built around 1795-1805 and is first clearly depicted (with its coach house and grounds) on Pigott Smith's plan of 1828.
- By the 1880s its grounds were encroached by courtyard terraces and industry, and by the 1890s the house and coach house became part of a factory and stayed that way until c. 2000 when both became derelict.



Travelodge Hotel & MADE Offices, Charlotte St., (HBM4551)



Note: The 1778 and 1839 maps shown are both © Mapseeker.co.uk

Travelodge Hotel & MADE Offices, Charlotte St.

HLC UID	Name		
HBM4551	Travelodge & MADE, Charlotte St. (E) - Newhall St. (S) - Newhall Sq.		
Broad Type		HLC Type	Confidence
Commercial (inc. Offices, Retail, Wholesale)		Offices & hotel/inn	Certain
Period	1998 AD to 2006 AD		
Previous Types			
Previous Broad Type		Previous HLC Type	Confidence
Indoor Entertainment		Museum, art gallery	Certain
	1951 AD		
	Birmingham Museum of Science & Industry - closed in 1997. Also incl. Invicta aluminium foundry.		
Industrial (inc. Trading, Services, Storage)		Metal surface coatings (exc. paint)	Certain
	1902 AD to 1910 AD		
	Elkington & Co. Ltd. silver electroplating works - extends over most of the site.		
Industrial (inc. Trading, Services, Storage)		Electroplating works & canal wharf	Certain
	1838 AD to 1840 AD		
	Incl. saw mill.		
Industrial (inc. Trading, Services, Storage)		Works/warehouse/depot/trading & canal wharf	Certain
	1809 AD to 1815 AD		
	Whitmore's Arm canal built in 1809.		
Vacant, Derelict, Disused Land		Vacant plot (incl. back gardens built on later)	Certain
	1780 AD to 1805 AD		
Enclosed (Farm) Land		Irregular, piecemeal enclosure	Certain
	1540 AD to 1699 AD		
	Part of New Hall estate after 1560.		
Outdoor Recreation		Medieval deer park, rabbit warren (coneygre)	Probable
	1066 AD to 1539 AD		
	Lord's Coneygre.		
Area (Hectares)	1.19		