

## APPENDIX C: DETAILED BASELINE INFORMATION

### Human Health

	<b>Manchester</b>	<b>Salford</b>	<b>Trafford</b>	<b>National Comparison / Target</b>
Life Expectancy at birth	Male – 74.1 Female – 79.1 (2008-2010)	Male – 74.8 Female – 79.9 (2008-2010)	Male – 78.8 Female – 83.1 (2008-2010)	UK: Male – 77 Female – 81.3 (2008-2010)
Adult participation in regular exercise (Sport England Active People Survey) (April 2011 - April 2012)	35.9%	33.2%	40%	England 35.7%

### Biodiversity including Flora and Fauna

	<b>Manchester</b>	<b>Salford</b>	<b>Trafford</b>	<b>National Comparison / Target</b>
No. of Sites of Biological Importance (date)	36 (2012)	33 (2012)	50 (2011)	Not applicable
Total Area of Sites of Biological Importance (date)	304 ha (2012)	510.94 ha (2010/2011)	426.4 (2011)	Not applicable
Local Nature Reserves	8 LNRs, totalling 392ha (2012)	Blackleach Country Park (WLH/001) –	Broad Ees Dole 8.78ha Trafford Ecology Park 4.39ha	Natural England target 1 ha / 1000 population

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	Manchester	Salford	Trafford	National Comparison / Target
		41.0ha Kersal Dale (ESA/001) – 33.1ha Worsley Woods (WBO/001) – 41.3ha Clifton Country Park (SWI/001) – 77.9ha Kersal Moor (ESA/002) – 8.2ha Total area 201.5 ha (2011)	Total area 13.17ha (2011)  (0.05ha per 1000 population)	
The percentage of land designated as SSSI in favourable condition as a percentage of all land with SSSI status within the District	68% (2012) <sup>1</sup>	N/A	100% (2011)	GM average: 29.8%; NW average: 78.9%; England average: 69.7% (2006)
Priority Habitats	UK BAP Priority Habitats (2005): Acid grassland	UK Priority Habitats within Salford - 2008	Not monitored	Not applicable

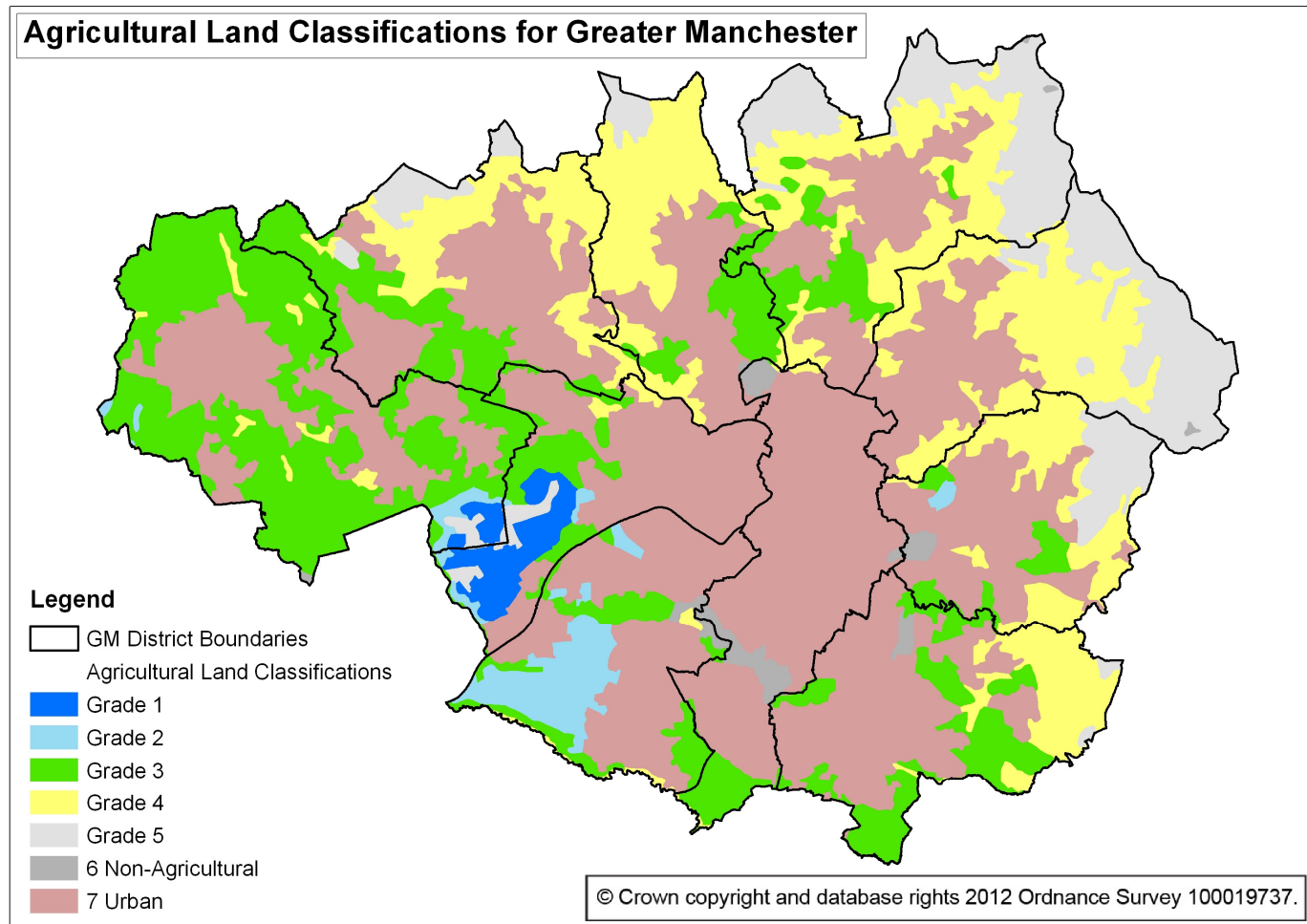
<sup>1</sup> <http://www.sssi.naturalengland.org.uk/Special/sssi/reportAction.cfm?Report=sdrt13&Category=C&Reference=1018>

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	Manchester	Salford	Trafford	National Comparison / Target
	<p>Ancient and/or species-rich hedgerows</p> <p>Wet woodlands</p> <p>Lowland broadleaved woodland</p> <p>Lowland heathland</p> <p>Lowland meadows</p> <p>Unimproved neutral grassland</p> <p>Marshy grassland</p> <p>Managed greenspace</p> <p>Reedbed</p> <p>Rivers</p> <p>Canals</p> <p>Ponds &amp; Lodges</p>	<p>Wet woodland – 5.2ha</p> <p>Eutrophic Standing Waters – 18.9ha</p> <p>Lowland Dry Acid Grassland/ Lowland Heath – 20.3ha</p> <p>Lowland Raised Bog – 14.2ha</p> <p>Lowland Raised Bog (readily restorable) – 240.5ha</p> <p>Total – 299.1 (of which 63.2ha are within SBIs)</p>		

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### Soil



Map 1 Agricultural Land Classification across Greater Manchester

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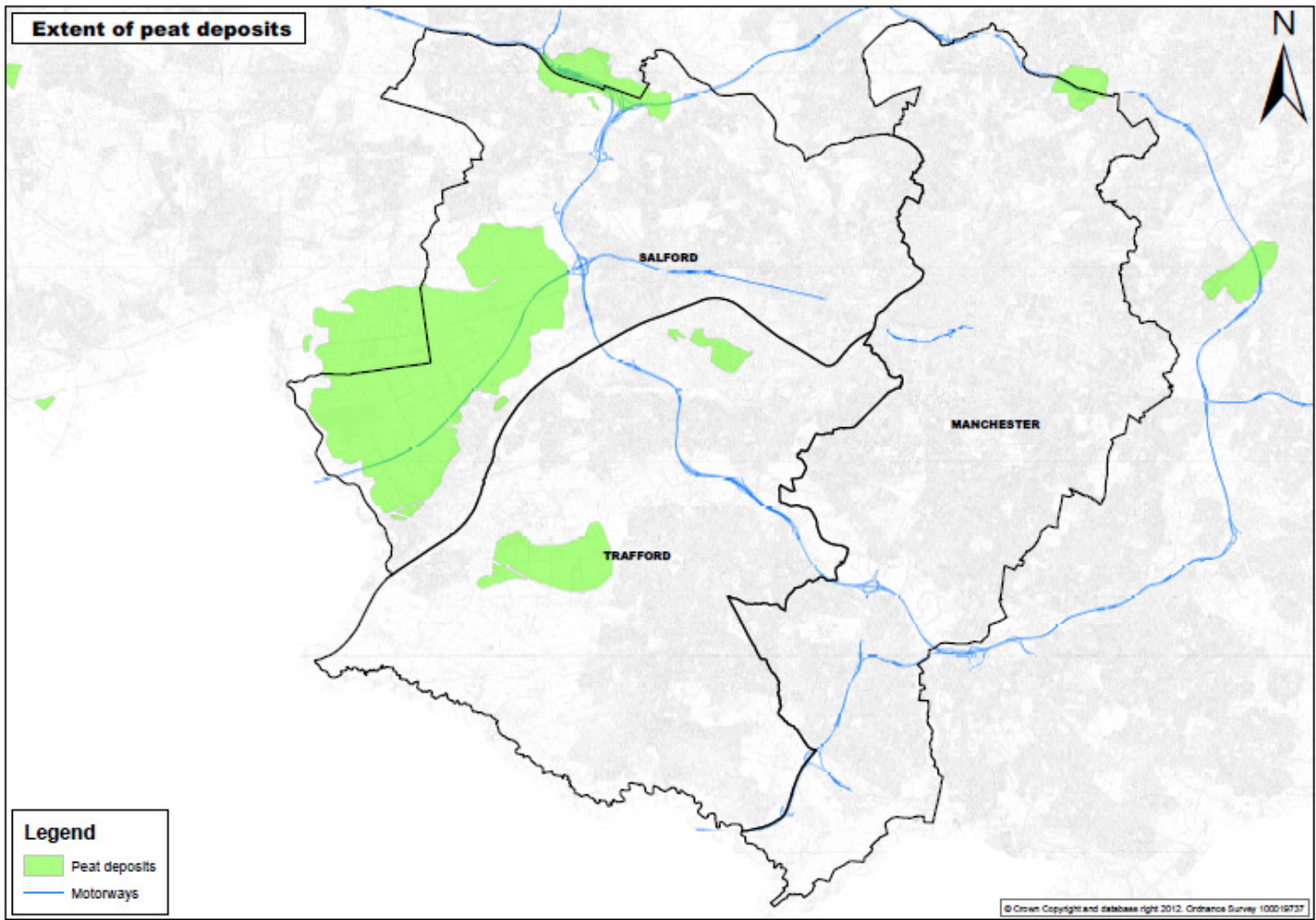
As can be seen on Map 1, Salford has a significant area of Grade 1 agricultural land (more than 1500 hectares) and Trafford has a significant area of Grade 2 agricultural land (more than 2300 hectares). Most of Manchester's best Grade 3 agricultural land is contained within the Manchester Airport site and not therefore available for agricultural purposes.

	<b>Manchester</b>	<b>Salford</b>	<b>Trafford</b>	<b>National Comparison / Target</b>
Agricultural Land	Grade 1 – 0 Grade 2 – 0 Grade 3 – 798 ha Grade 4 – 94 ha Grade 5 – 486 ha	Grade 1 – 1580 ha Grade 2 – 220 ha Grade 3 – 1556 ha Grade 4 – 203 ha Grade 5 – 386 ha	Grade 1 – 0 Grade 2 – 2342 ha Grade 3 – 1704 ha Grade 4 – 205 ha Grade 5 – 0 ha	England: Grade 1 – 354,644 ha Grade 2 – 1,849,258 ha Grade 3 – 6,291,711 ha Grade 4 – 1,840,315 ha Grade 5 – 1,100,784 ha <sup>2</sup>
% of dwellings built on brownfield land	90.7% (2009/10) 92.6% (2010/11) 89.3% (2011/12)	92% (2003/04 – 2010/12) 97.4% (2009/10) 86.5% (2010/11) 97.3% (2011/12)	88% (2004/05 – 2011/12) 81% (2009/10) 69% (2010/11) 61% (2011/12)	National target for 60% of all dwellings to be built on brownfield land has recently been removed.

Of particular note are the extensive peat deposits in Salford and Trafford, which are shown on map 2 below.

<sup>2</sup> All these figures can be found in Salford's latest SA (Publication Core Strategy)

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Map 2 Peat deposits across Manchester, Salford and Trafford

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### Water & Flood Risk

	Manchester	Salford	Trafford	National Comparison / Target
Water Quality – Classification of water courses under Water Framework Directive	Good – 3 (21%) Moderate – 9 (64%) Poor – 2 (14%) Bad – 0 (0%)	Good – 1 (12.5%) Moderate – 5 (62%) Poor – 1 (12.5%) Bad – 1 (12.5%)	Good – 1 (12.5%) Moderate – 4 (50%) Poor – 2 (25%) Bad – 1 (12.5%)	EU target for all watercourses to meet good ecological status or potential by 2027 (if not possible by 2015)
Water availability	Part of NW – classified by EA as an area at Low Water Stress	Part of NW – classified by EA as an area at Low Water Stress	Part of NW – classified by EA as an area at Low Water Stress	Not applicable
Properties in EA fluvial flood risk zones	See Manchester Table below	Flood Zone 2 – 12723 Flood Zone 3 – 2554	Flood Zone 2 – 2776 Flood Zone 3 - 554	Not available
Properties at risk of surface water flooding (0.3m or greater) <sup>3</sup>	See Manchester Table below	1 in 30 – 297 1 in 100 – 1014 1 in 200 - 1439	1 in 30 – 332 1 in 100 – 910 1 in 200 - 1800	Not available

<sup>3</sup> Data from the Greater Manchester Surface Water Management Plan Strategic Flood Map, Council Tax and LLPG

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<b>MANCHESTER</b>		
<b>Flooding Measure</b>	<b>All Residential Properties (Manchester)</b>	<b>Residential Properties in the worst 10% IMD (Manchester)</b>
Fluvial Flood Zone 2	8,884	1,908
Fluvial Flood Zone 3	2,829	870
Fluvial Flood Zones 2 & 3 Total	<b>11,713</b>	<b>2,778</b>
Ashton Canal, Bridgewater Canal, Rochdale Canal - Breach Zone A	1,737	1,507
Ashton Canal, Bridgewater Canal, Rochdale Canal - Breach Zone B	3,316	620
Ashton Canal, Bridgewater Canal, Rochdale Canal - Overtopping	14*	14*
Rochdale Canal breach zone in Oldham that extends into Manchester	477	412
Canal Flooding Total	<b>5,544</b>	<b>2,553</b>
Groundwater Flooding	7,968	249
Shallow Groundwater Flooding	1,161	46
Groundwater Rebound	6,503	0
Groundwater Flooding Total	<b>15,362</b>	<b>295</b>



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Surface Water 1:30 year storm, 0.3metre depth.	459	261
Surface Water 1:100 year storm, 0.3metre depth.	1,289	688
Surface Water 1:200 year storm, 0.3metre depth.	2,733	1,023
Surface Water 1:30 year storm, 0.1metre depth.	2,933	1,000
Surface Water 1:100 year storm, 0.1metre depth.	7,561	3,222
Surface Water 1:200 year storm, 0.1metre depth.	13,277	4,959

\* No overlap between overtopping and breaches.

Residential property data is taken from LLPG / Council Tax Records. Fluvial Flood Zones are from the Environment Agency Flood Map. Canal Flooding and Groundwater Flooding are taken from the Manchester Salford Trafford Hybrid SFRA. Surface Water Flooding is taken from the Greater Manchester Surface Water Management Plan Strategic Flood Map.

### Air Quality

The SEA of the National Flood and Coastal Erosion Risk Management Strategy concluded that significant impacts on air quality as a result of the strategy were unlikely to occur and therefore it was scoped out of the assessment.

Similarly, it is concluded that significant impacts on air quality as a result of the LFRMS are also unlikely to occur and therefore Air Quality is scoped out of this SEA.

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### Climatic Factors

	Manchester		Salford		Trafford		National Comparison / Target	
Greenhouse Gas Emissions: Per capita emissions by sector (tonnes) (2010)							UK	
	Industry & Commercial	2.80	Industry & Commercial	2.20	Industry & Commercial	5.20	Industry & Commercial	2.70
	Domestic	1.90	Domestic	2.20	Domestic	2.50	Domestic	2.40
	Road Transport	1.00	Road Transport	1.30	Road Transport	1.20	Road Transport	1.60
	Per capita - Total	5.70	Per capita - Total	5.80	Per capita - Total	8.90	Per capita - Total	6.60

Research<sup>4</sup> has shown that large parts of the 3 authorities are more vulnerable than the national average to both flood risk and risk associated with heatwaves. This is based on the communities' vulnerability (for example age and income profiles), the hazard (likelihood of a flood occurring) and the exposure (e.g. type of dwelling).

### Population

	Manchester	Salford	Trafford	National Comparison / Target
Total Population (2011) census	503,100	233,900	226,600	Not Applicable
Population increase (2001-2011)	19%	7.8%	7.8%	Regional growth in Greater Manchester: 6.61%. National growth: 6.98% <sup>5</sup>

<sup>4</sup> Lindley et al 2011 'Climate change, justice and vulnerability' Joseph Rowntree Foundation

<sup>5</sup> <http://www.manchesterconfidential.co.uk/News/The-2011-Census-Greater-Manchester-Results>

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	Manchester		Salford		Trafford		National Comparison / Target	
Migration	41,590 inward; 38,890 outward (net gain 2,700) <sup>6</sup> (2007)		UK 12200 inward; 12000 outward (net gain 200) International 3600 inward; 1200 outward (net gain 2400) (2009-10) <sup>7</sup>		Internal migration inward: 8930 outward: 9450 (net gain -520); International migration inward: 1570 outward: 2070 (net gain - 500) (2007)		Not applicable	
Age – Proportion of population at different ages (Census 2011)	0 – 4	7.2%	0 – 4	7.0%	0 – 4	6.6%	England and Wales:	
	5 – 9	5.7%	5 – 9	5.6%	5 – 9	6.2%	0 – 4	6.2%
	10 – 14	5.3%	10 - 14	5.6%	10 - 14	6.2%	5 – 9	5.6%
	15 - 19	7.6%	15 - 19	6.5%	15 – 19	6.0%	10 – 14	5.8%
	20 - 24	13.3%	20 – 24	8.3%	20 – 24	5.2%	15 – 19	6.3%
	25 – 29	11.3%	25 – 29	9.0%	25 – 29	6.1%	20 – 24	6.8%
	30 – 34	8.9%	30 – 34	7.4%	30 – 34	6.6%	25 – 29	6.8%
	35 – 39	6.8%	35 – 39	6.6%	35 – 39	7.2%	30 – 34	6.6%
	40 – 44	6.5%	40 – 44	6.9%	40 – 44	7.9%	35 – 39	6.7%
	45 – 49	5.7%	45 – 49	6.9%	45 – 49	8.0%	40 – 44	7.3%
							45 – 49	7.3%

<sup>6</sup> ONS 2007 Mid year estimate

<sup>7</sup> Source ONS Population mid year estimates 2001 and 2010

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	Manchester		Salford		Trafford		National Comparison / Target	
	50 – 54	4.8%	50 – 54	6.0%	50 – 54	6.8%	50 – 54	6.4%
	55 – 59	3.9%	55 – 59	5.0%	55 – 59	5.6%	55 – 59	5.7%
	60 – 64	3.6%	60 – 64	5.3%	60 – 64	5.6%	60 – 64	6.0%
	65 – 69	2.6%	65 – 69	4.1%	65 – 69	4.3%	65 – 69	4.8%
	70 – 74	2.3%	70 – 74	3.4%	70 – 74	3.8%	70 – 74	3.9%
	75 – 79	1.9%	75 – 79	2.7%	75 – 79	3.2%	75 – 79	3.2%
	80 – 84	1.4%	80 – 84	2.0%	80 – 84	2.5%	80 – 84	2.4%
	85 – 89	0.8%	85 – 89	1.3%	85 – 89	1.5%	85 – 89	1.5%
	90 and over	0.4%	90 and over	0.6%	90 and over	0.8%	90 and over	0.8%
Deprivation – Rank in the 2010 Index of Multiple Deprivation	2010 Manchester ranked 4 <sup>th</sup>		2010 Salford ranked 26 <sup>th</sup>		2010 Trafford ranked 190		Not applicable	
Properties at risk of fluvial flooding in 10% most deprived areas (EA flood zones)	See Manchester Table under “Water & Flood Risk” section above		Flood Zone 2 – 4507 Flood Zone 3 – 2012		Flood Zone 2 – 71 Flood Zone 3 – 0		Not available	

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### Housing and Employment

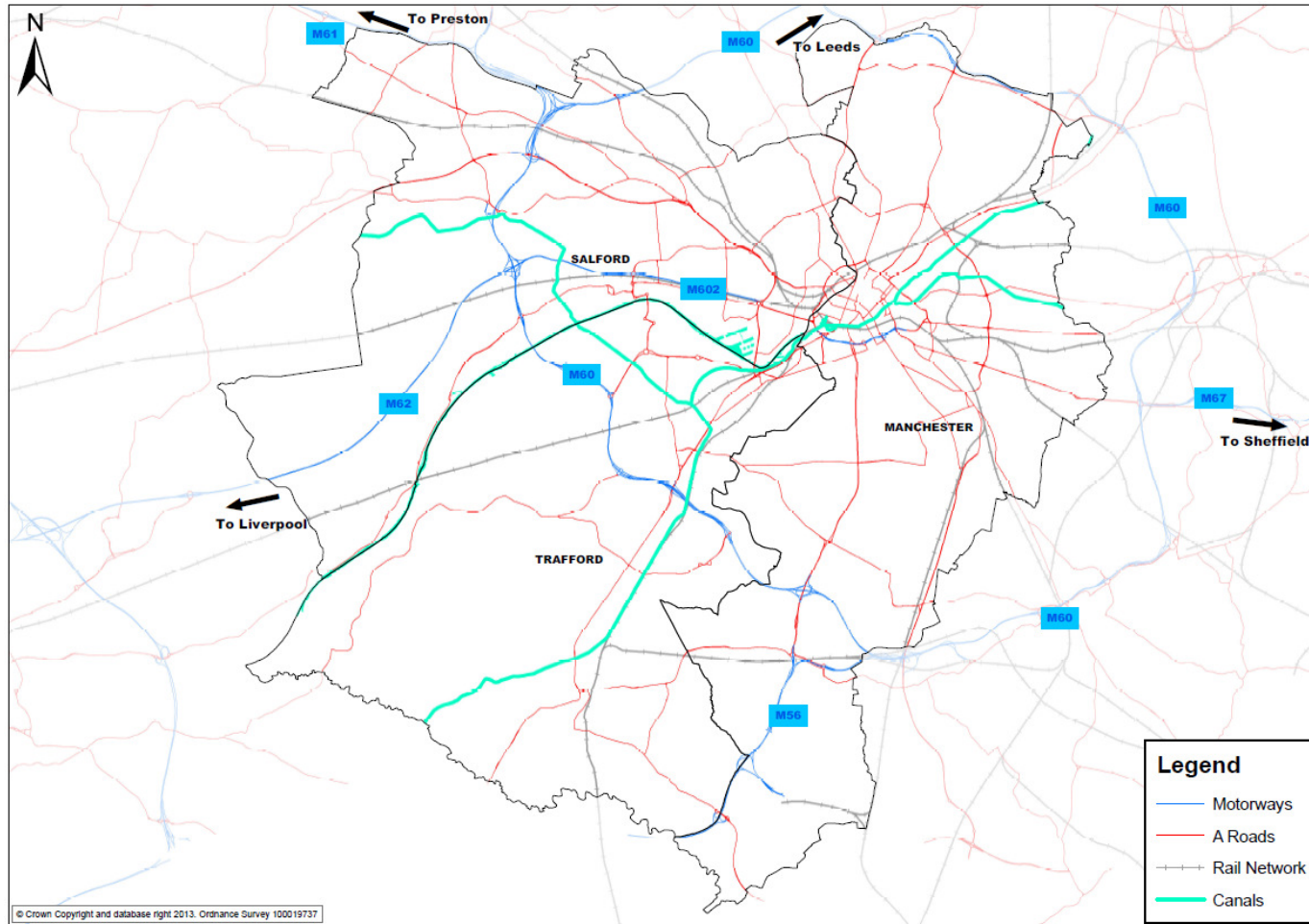
	Manchester	Salford	Trafford	National Comparison / Target																																								
Net additional dwellings	Total 21,513; (2003/04 – 2010/11) – average 2689 pa	Average 1503 <sup>8</sup> pa (2003/04 – 2010/11)	Average 551 (2003/04 – 2010/11)	Not applicable																																								
Type of household space (2011 census data)	<table><tr><td>Detached</td><td>4.96%</td></tr><tr><td>Semi-detached</td><td>30.31%</td></tr><tr><td>Terraced</td><td>30.18%</td></tr><tr><td>Flats</td><td>34.51%</td></tr><tr><td>Caravan</td><td>0.04%</td></tr></table>	Detached	4.96%	Semi-detached	30.31%	Terraced	30.18%	Flats	34.51%	Caravan	0.04%	<table><tr><td>Detached</td><td>8.55%</td></tr><tr><td>Semi-detached</td><td>34.35%</td></tr><tr><td>Terraced</td><td>28.21%</td></tr><tr><td>Flats</td><td>28.80%</td></tr><tr><td>Caravan</td><td>0.09%</td></tr></table>	Detached	8.55%	Semi-detached	34.35%	Terraced	28.21%	Flats	28.80%	Caravan	0.09%	<table><tr><td>Detached</td><td>15.02%</td></tr><tr><td>Semi-detached</td><td>43.99%</td></tr><tr><td>Terraced</td><td>21.52%</td></tr><tr><td>Flats</td><td>19.44%</td></tr><tr><td>Caravan</td><td>0.03%</td></tr></table>	Detached	15.02%	Semi-detached	43.99%	Terraced	21.52%	Flats	19.44%	Caravan	0.03%	England: <table><tr><td>Detached</td><td>22.26%</td></tr><tr><td>Semi-detached</td><td>30.71%</td></tr><tr><td>Terraced</td><td>24.49%</td></tr><tr><td>Flats</td><td>22.11%</td></tr><tr><td>Caravan</td><td>0.43%</td></tr></table>	Detached	22.26%	Semi-detached	30.71%	Terraced	24.49%	Flats	22.11%	Caravan	0.43%
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Employment rate of working age (16-64) population (October 2012)	58.7%	67.3%	71.3%	UK – 70.2%																																								
Unemployment rate (October 2012)	12.8%	10.0%	7.4%	UK – 8.1%																																								

<sup>8</sup> Salford Publication Core Strategy Sustainability Appraisal

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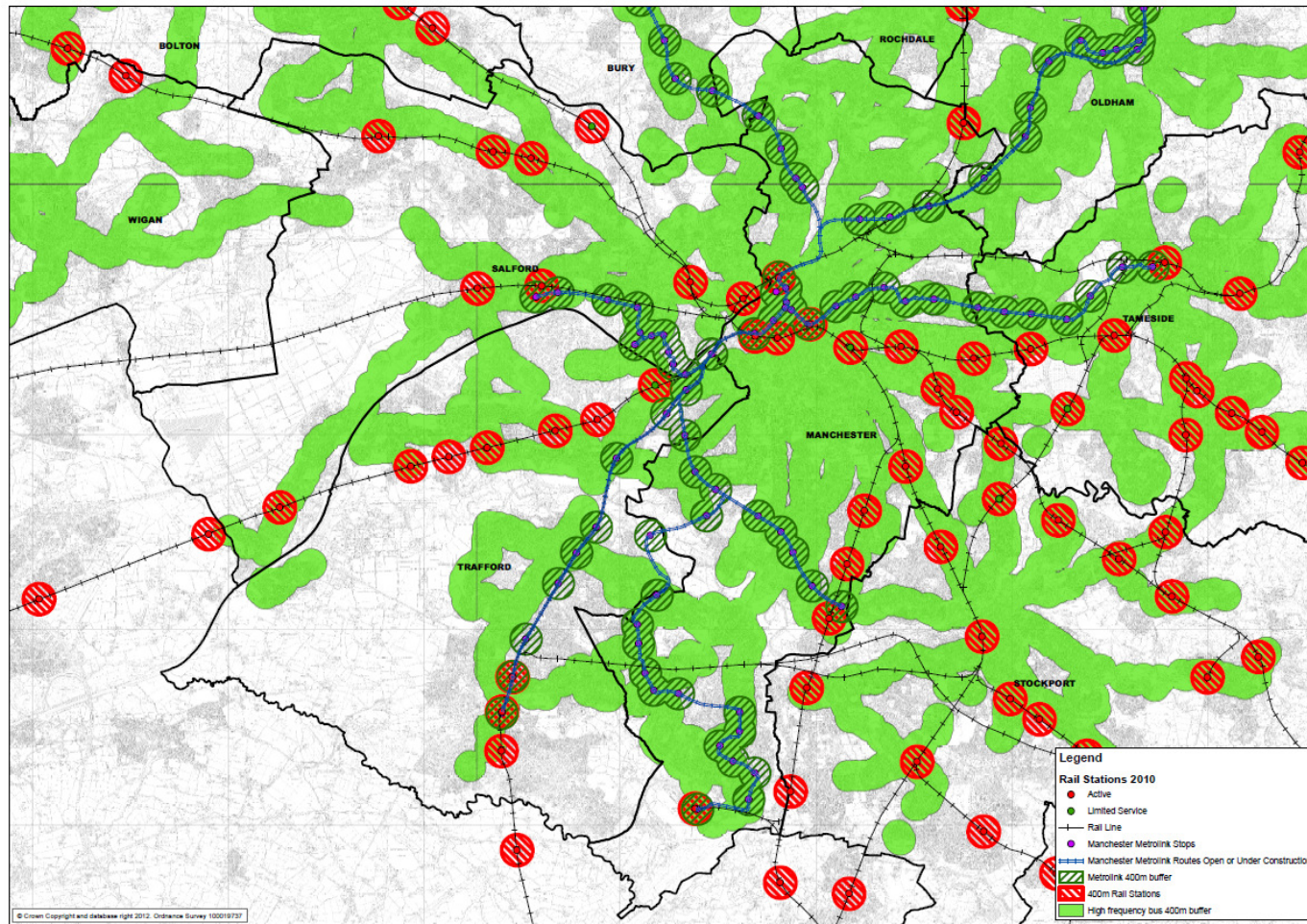
### Infrastructure and Material Assets

#### Transport network



Map 3 Key Road and Rail Links

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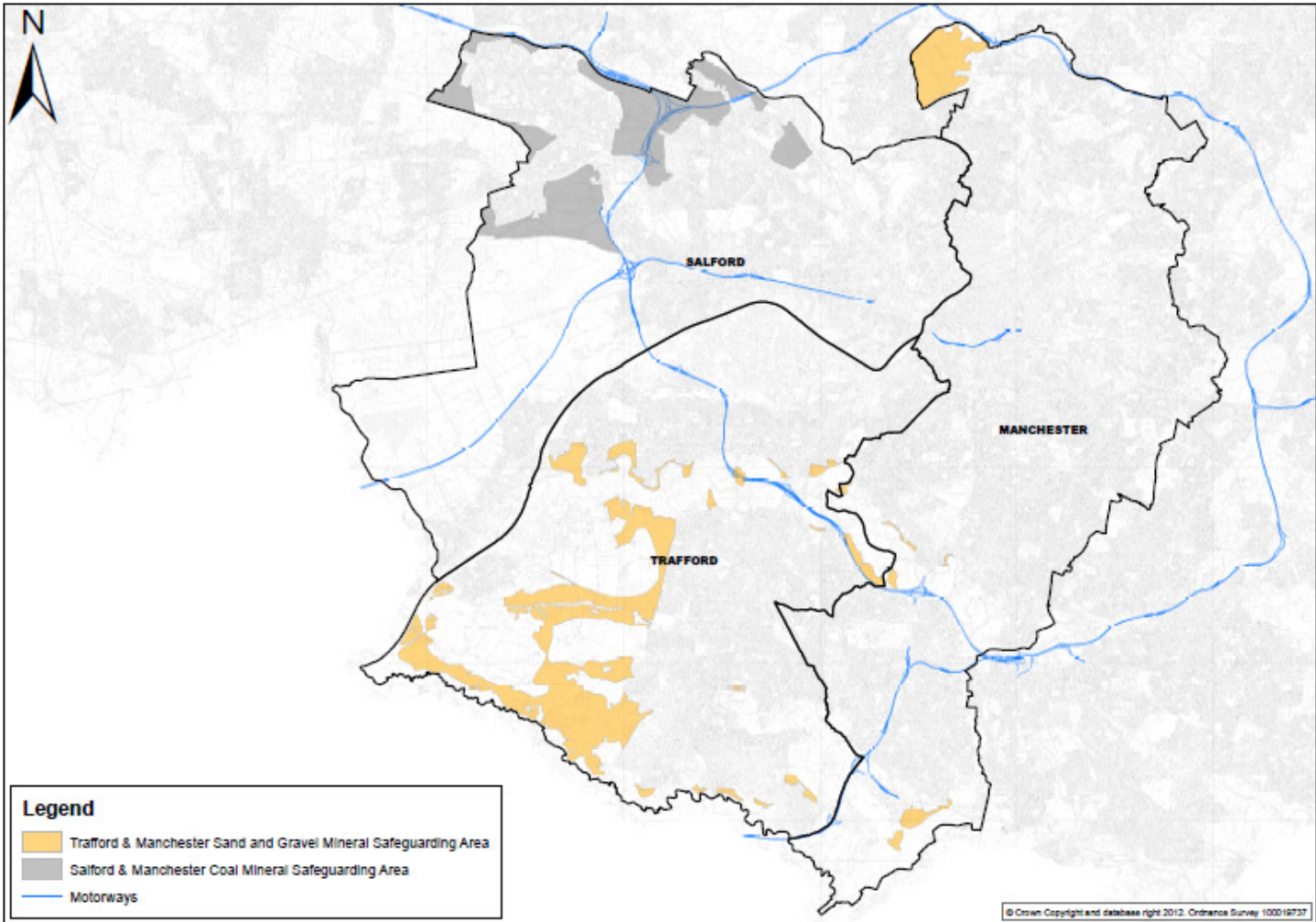


Map 4 Public Transport: Rail, tram and high frequency bus routes



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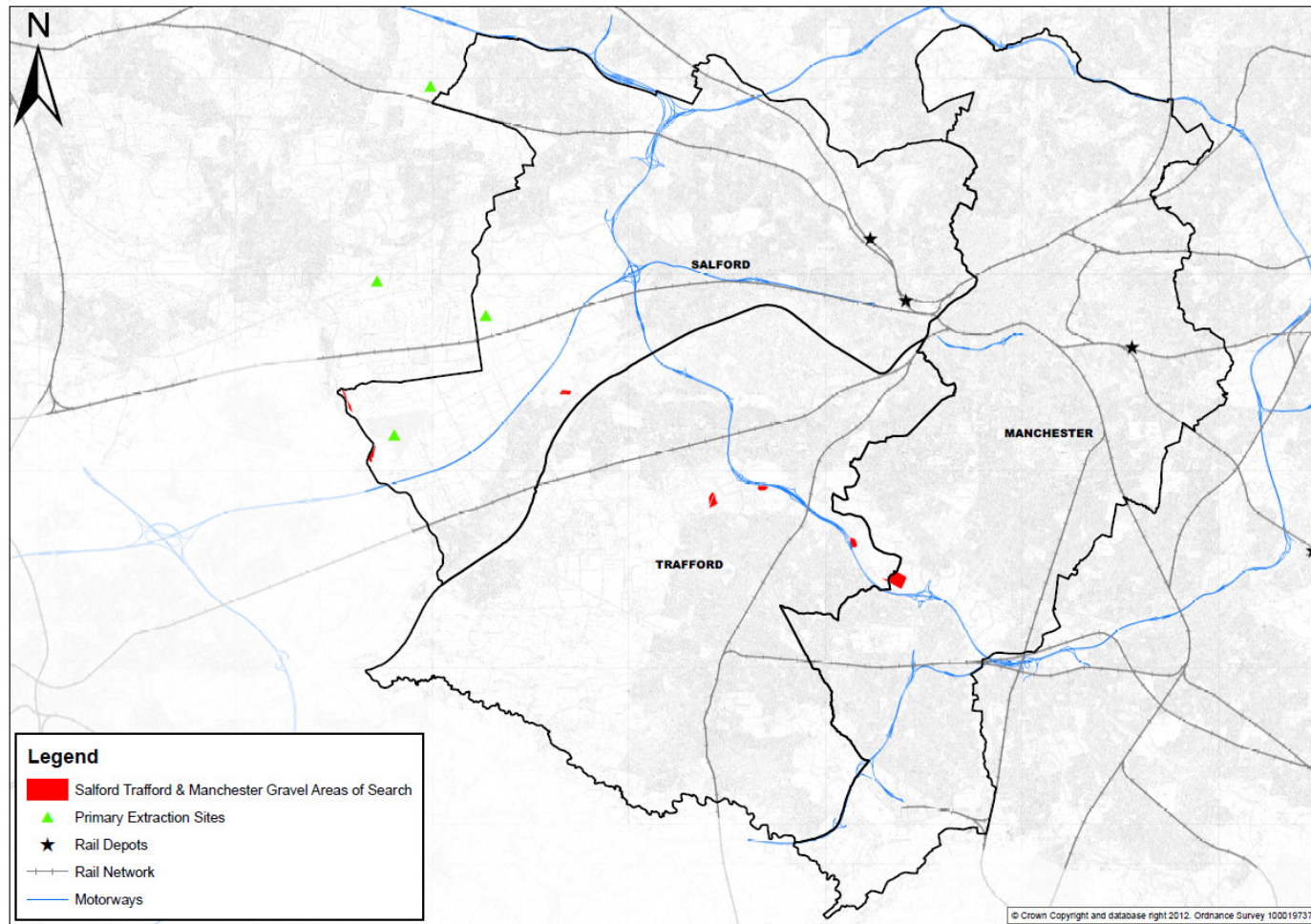
Minerals



Map 5 Mineral Safeguarding Areas



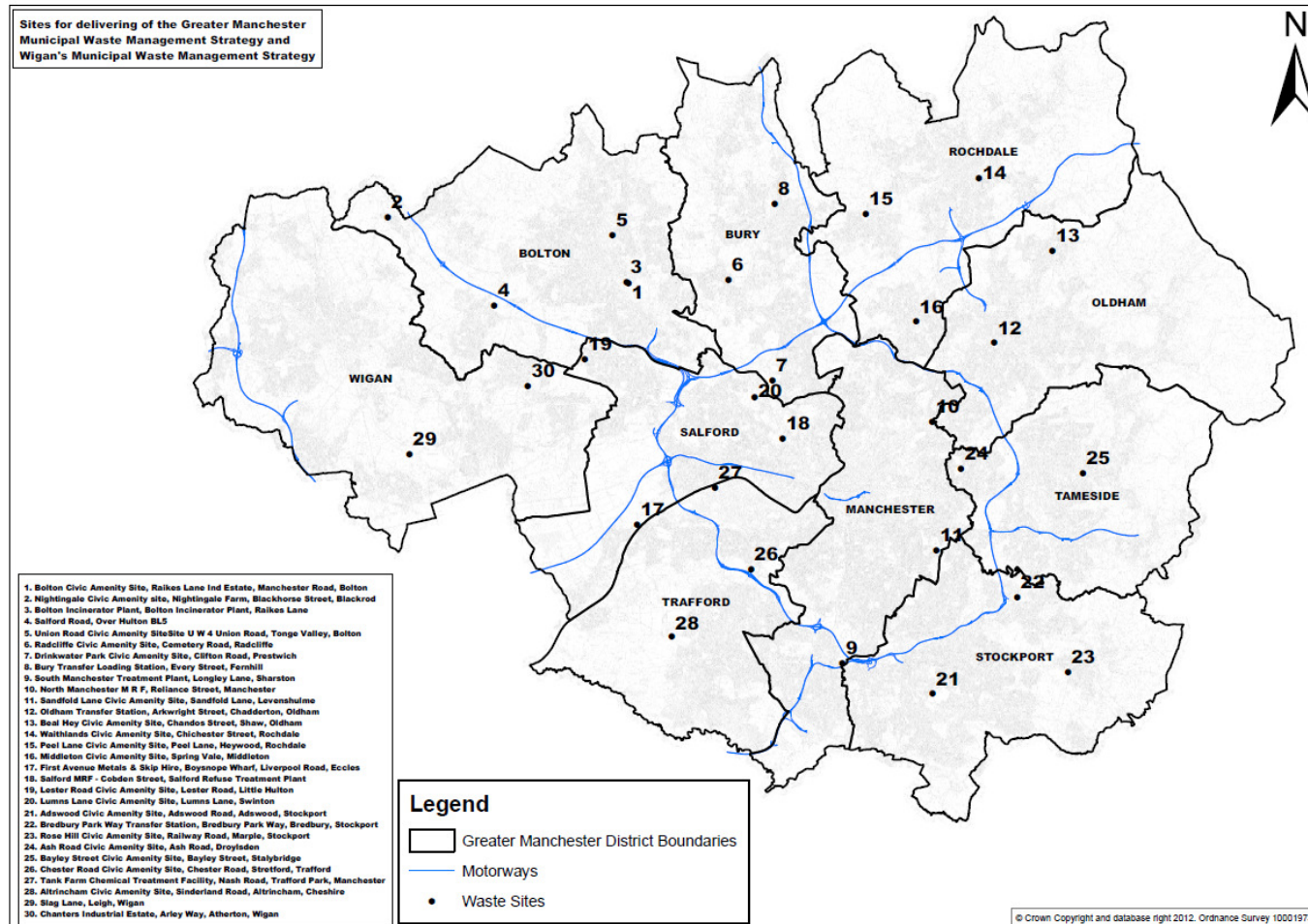
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Map 6 Mineral extraction sites, areas of search and rail depots

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### Waste management



Map 7 Waste management sites

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### Cultural Heritage

	Manchester		Salford		Trafford		National Comparison / Target
Listed Buildings	Grade I	15	Grade I	6	Grade I	6	3.2% (997) of England's grade I and II listed buildings are "at risk"
	Grade II*	82	Grade II*	13	Grade II*	9	
	Grade II	794	Grade II	211	Grade II	325 (1% at risk)	
	Total	891	Total	230	Total	340	
	7 grade 1 or II* listed buildings at risk of decay in 2012, excluding places of worship		(10 considered to be 'at risk' in 2012)		(1 considered to be at risk in 2012)		
Scheduled Ancient Monuments	6		3		1		Not applicable
Conservation Areas	34		16 (5 considered to be 'at risk' in 2012)		21 (2012) (5 considered to be at risk in 2012)		Not applicable
No. of parks and gardens registered by English Heritage	8 - 0 at risk of decay		2		3 (2006)		Not applicable

### Landscape

There are no national landscape designations covering the 3 authorities and, in line with government guidance, there are no local landscape designations (though conservation areas are designated as discussed under cultural heritage).

The national character areas covering the area are Manchester Conurbation, Lancashire Coal Measures, Mersey Valley and Shropshire, Cheshire & Staffordshire Plain.