

GROWING MORE TREES FOR GREATER MANCHESTER

City of Trees

Making Trees Count-

<u>Using data to develop a strategy for Greater</u> <u>Manchester's Trees and Woodlands</u>

Bryan Cosgrove City of Trees



What is a City of Trees?

GROWING MORE TREES FOR GREATER MANCHESTER

City of Trees is an innovative and exciting movement set to re-invigorate Greater Manchester's landscape by transforming underused, unloved woodland and planting a tree for every person who lives there, within a generation.

City of trees is a movement, bringing together the public, private and third sectors, and the people of Greater Manchester.



Over 100 Partners & Growing all the Time								0			
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THE GOAL



GROWING MORE TREES FOR GREATER MANCHESTER

3m

trees, planted across the city region over the next two decades

1.5%

of land deemed as ready for planting, converted to woodland

2,000

hectares of currently unmanaged woodland brought into productive, beneficial state

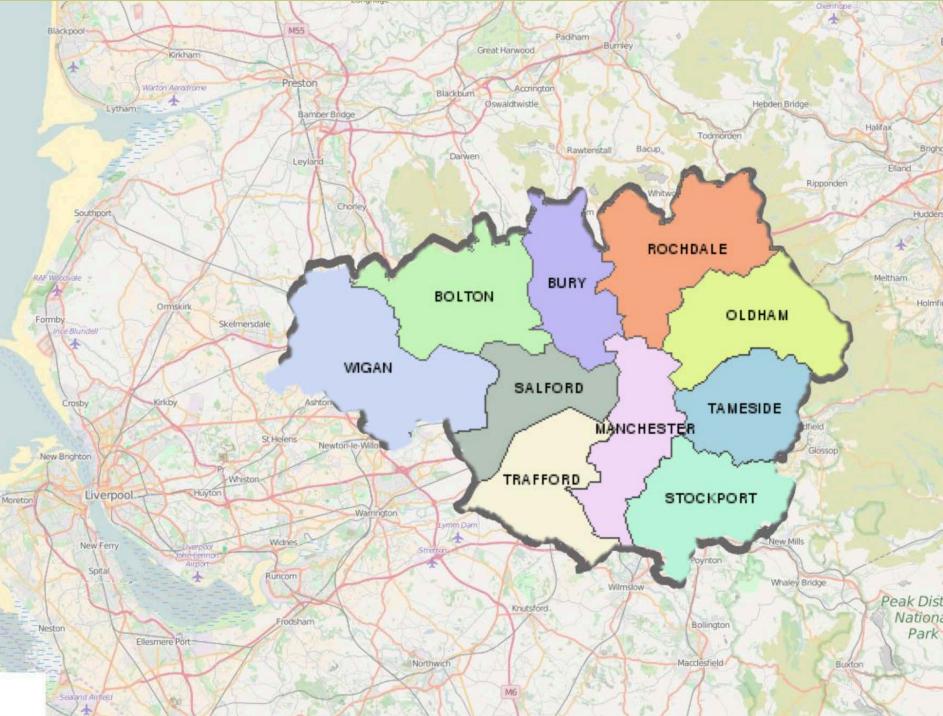




Manchester
CityofTreesA new Northern Forest

GROWING MORE TREES FOR GREATER MANCHESTER





Policy and Influence

Locally...

We are building relationships to unlock strategic support for both trees and woods across Greater Manchester and have the strong support of Andy Burnham, Mayor.



We are part of a number of strategic groups including the Low Carbon Hub, Natural Capital Group and Urban Pioneer, Catchment partnerships, GM Wetlands partnership, Greater Sport Activity Network and Natural Course.

We also co-ordinate the Greater Manchester Forests Partnership – a partnership of 10 local authorities and DEFRA to discuss and plan at a strategic level the development of trees and woodlands across the City region.

Delivering key agendas...

As well as delivering a wide number of community projects on the ground we also strive to ensure our work meets the key priorities of the region including air quality; health and wellbeing; flooding; climate change and resilience; low carbon; sustainable travel and skills and employment.



September marks the start of conker season. The conker is the seed of the horse chestnut tree. #SaturdayStats... https://t.co/wPhClbs9Oj — 1 day 22 hours ago









GROWING MORE TREES FOR GREATER MANCHESTER

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Our vision i the world to

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Greater Manchester Natural Capital Investment Plan

EXECUTIVE SUMMARY — JANUARY 2019

eftec, Environmental Finance and Countryscape to Greater Manchester Combined Authority (GMCA)

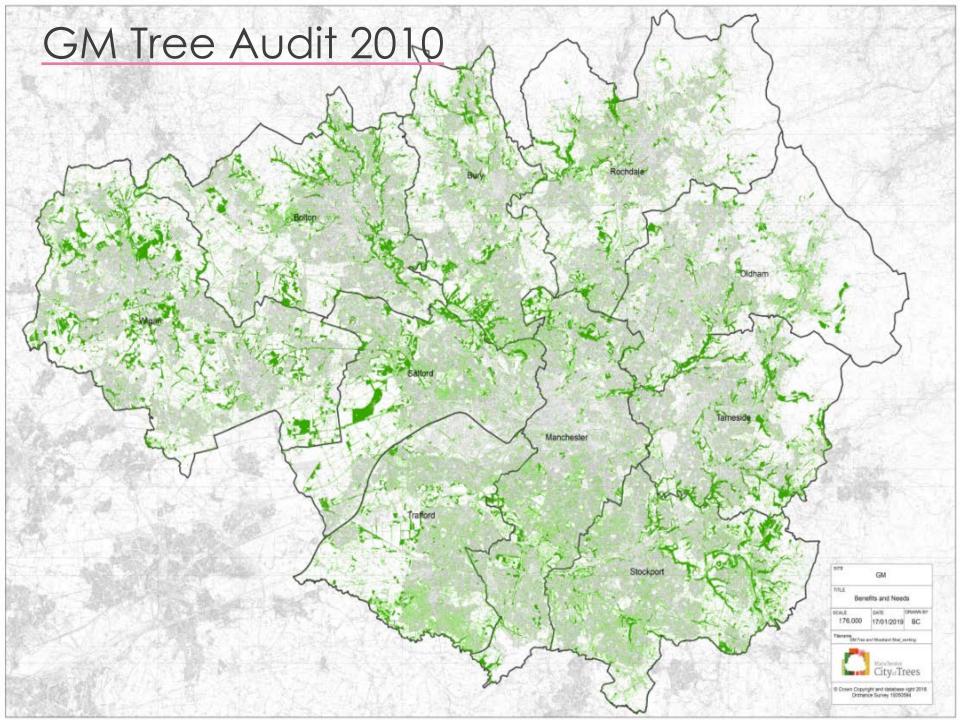














i-Tree is a combination of science and free tools that:

Quantifies the benefits and values of trees around the world.

Aids in tree and forest management and **advocacy**.

Shows potential **risks** to tree and forest health.

i-Tree Tools



i-Tree Landscape

Rapidly assess human and forest population information; threats to help prioritize areas for tree planting; protection.



i-Tree Canopy Easily estimate tree canopy and benefits using aerial photographs.

i-Tree Design

Parcel level analysis of current and future tree benefits.



i-Tree Eco

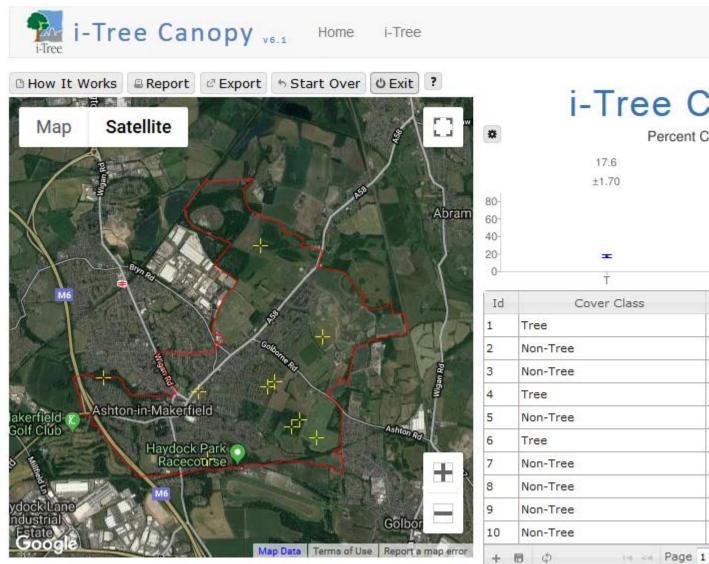
Flagship tool that quantifies the structure of, threats to, and benefits and values provided by forest populations globally.



More tools...

See all the i-Tree tools, past and present, listed here.





	17.6 ±1.70					
		+1.70	82.4 ±1.70			
	Ť	NT				
	Cover Class	Latitude	Longitude			
1	Ггее	53.49020	-2.65085			
ſ	Non-Tree	53.48924	-2.62262			
ſ	Non-Tree	53.48189	-2.63296			
1	Ггее	<mark>53.50364</mark>	-2.62384			
-	Non-Tree	53.49443	-2.61317			
ſ			-2.61854			
-	Ггее	53.48518	2.0100			
-	Tree Non-Tree	53.48518	-2.61430			
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-	Non-Tree	53.48409	-2.61430			

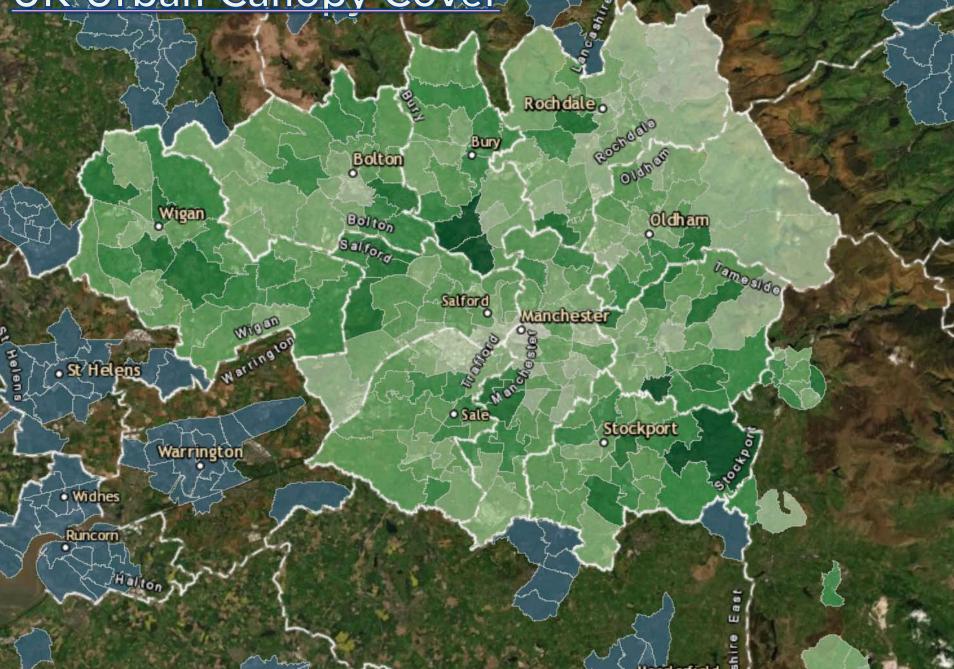
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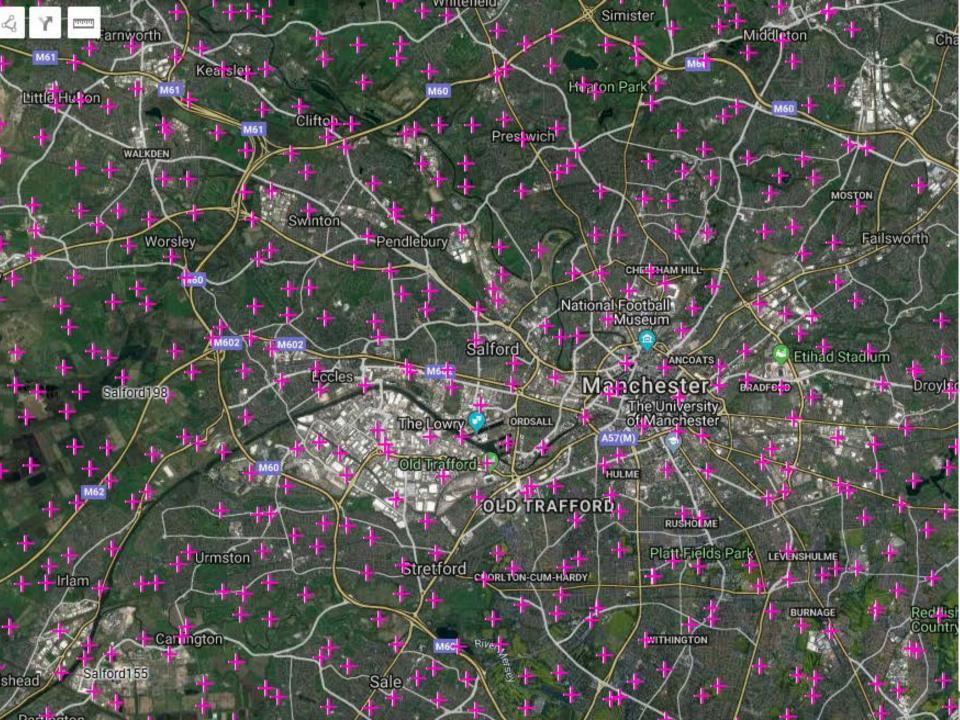
View 1 - 10 of 500

Feedback

UK Urban Canopy Cover







GM Canopy Assessments

■ GMTA % ■ iTree Eco % ■ iTree Canopy %



There are an estimated **11,321,386 trees** in Greater Manchester, which equates to just **15.7%** tree canopy cover.



Manchester Cityof Trees

#AllOurTrees

The most common species of trees in Greater Manchester are **Hawthorn**, **Sycamore** and **English Oak**.



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Trees in Greater Manchester remove **847 tonnes** of pollutants from our air each year.









Trees intercept **1,644,415m**³ of stormwater runoff per year in Greater Manchester.





Manchester Cityof Trees



Greater Manchester's trees sequester **56,530 tonnes** of carbon each year.

The current carbon storage of all trees is **1,573,013 tonnes.**







The total annual economic value of air pollution filtration, stormwater attenuation and carbon sequestration in Greater Manchester's trees is £33,298,891.



Manchester Cityof Trees

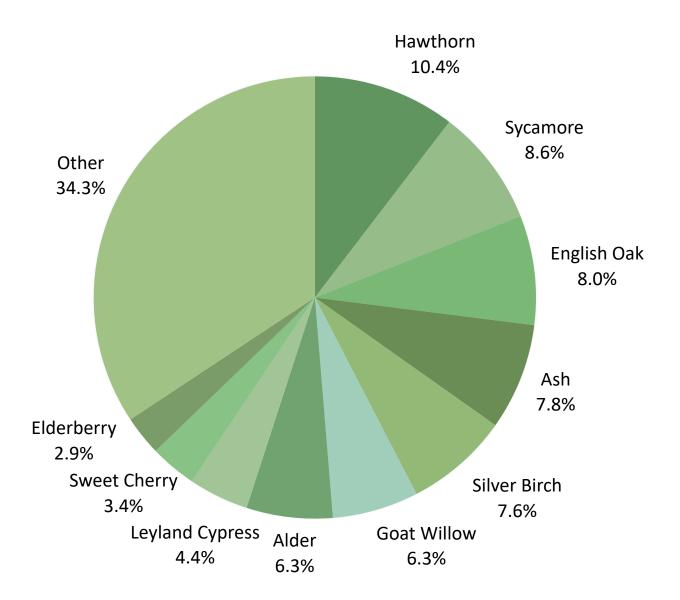


Approx. **1 million trees** are in danger of being lost in Greater Manchester due to pests and diseases such as Ash Dieback and Horse Chestnut Bleeding Canker.





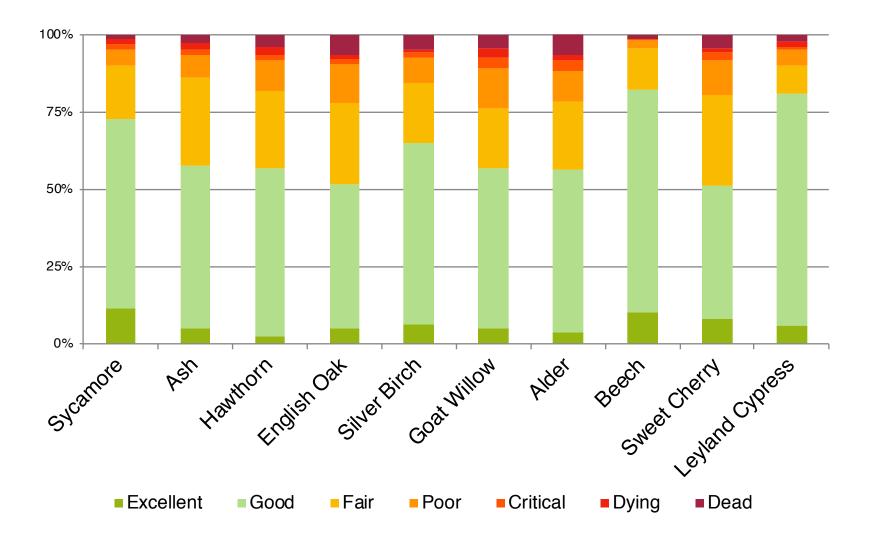






Species	% Population	% Leaf Area	Dominance Value	
Sycamore	8.6	16.9	25.5	
Ash	7.8	8.8	16.6	
Hawthorn	10.4	5.6	16	
English Oak	8	7.8	15.7	
Silver Birch	7.6	6	13.6	
Goat Willow	6.3	5.6	12	
Alder	6.3	4.7	11	
Beech	2.8	7.7	10.5	





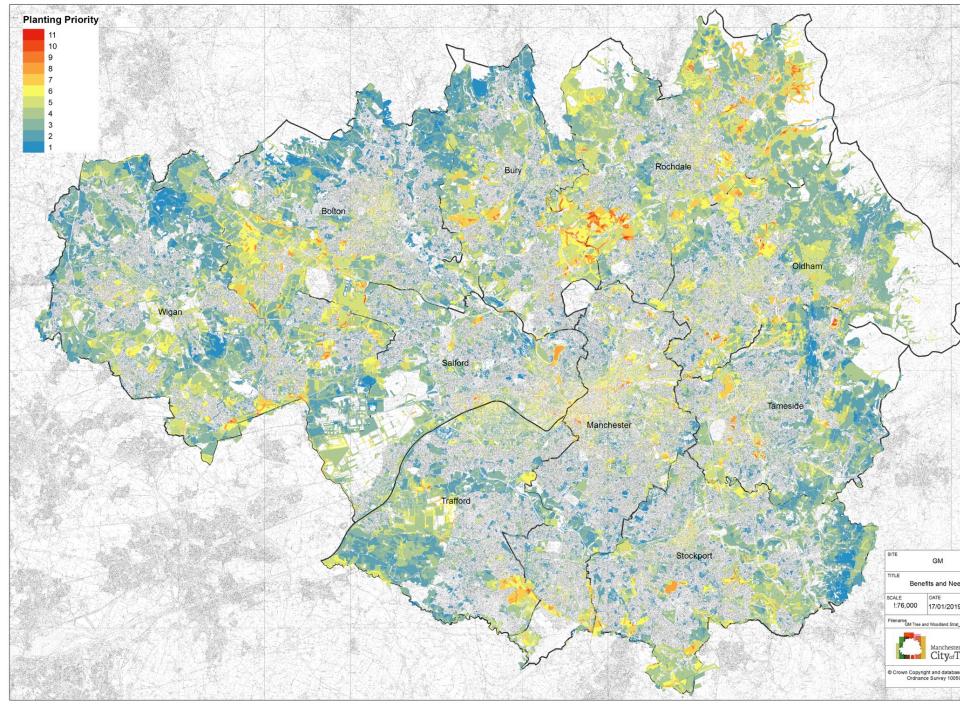


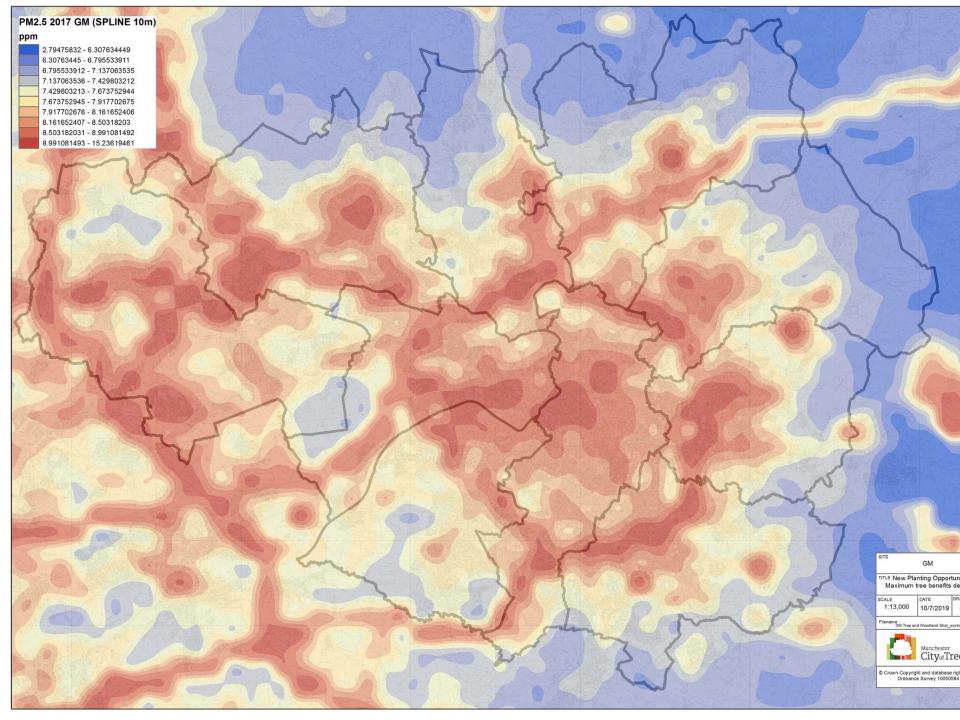
All Our Trees

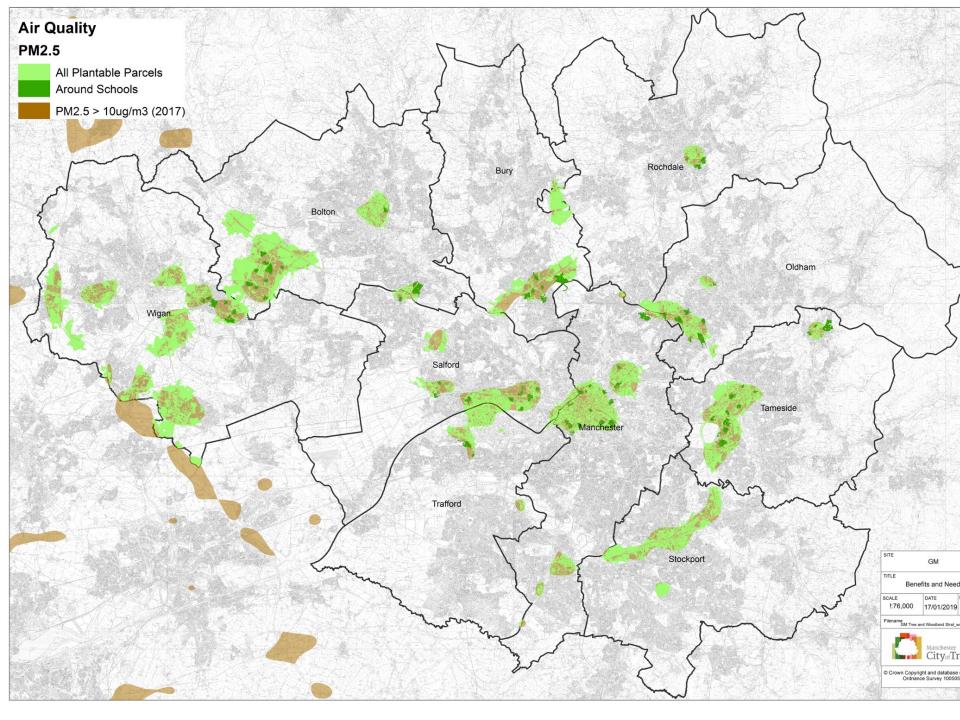
Greater Manchester's Tree and Woodland Strategy

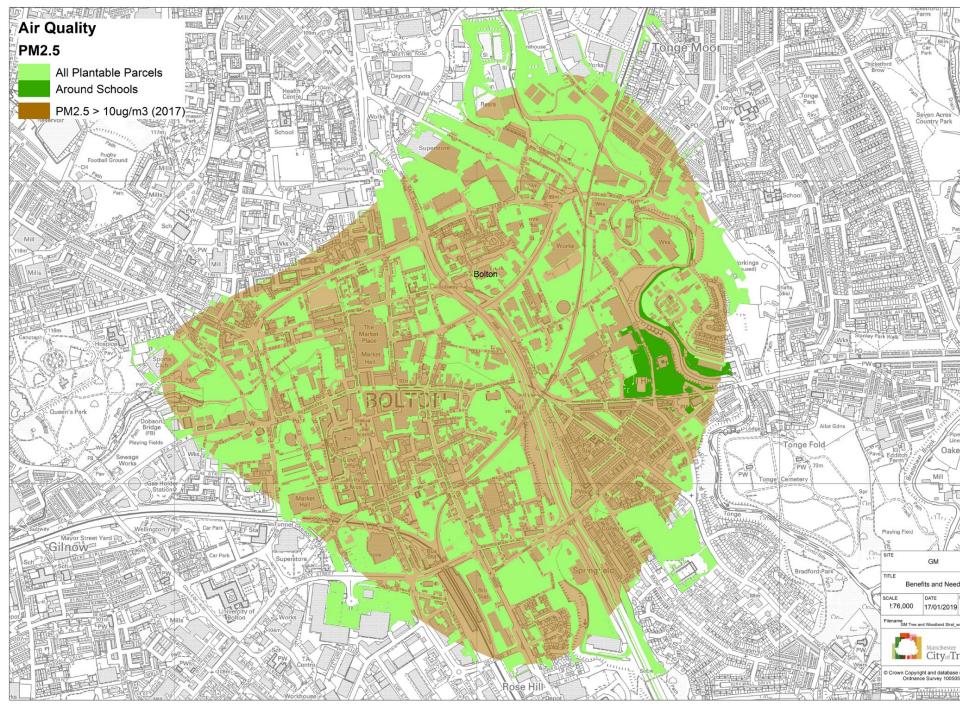
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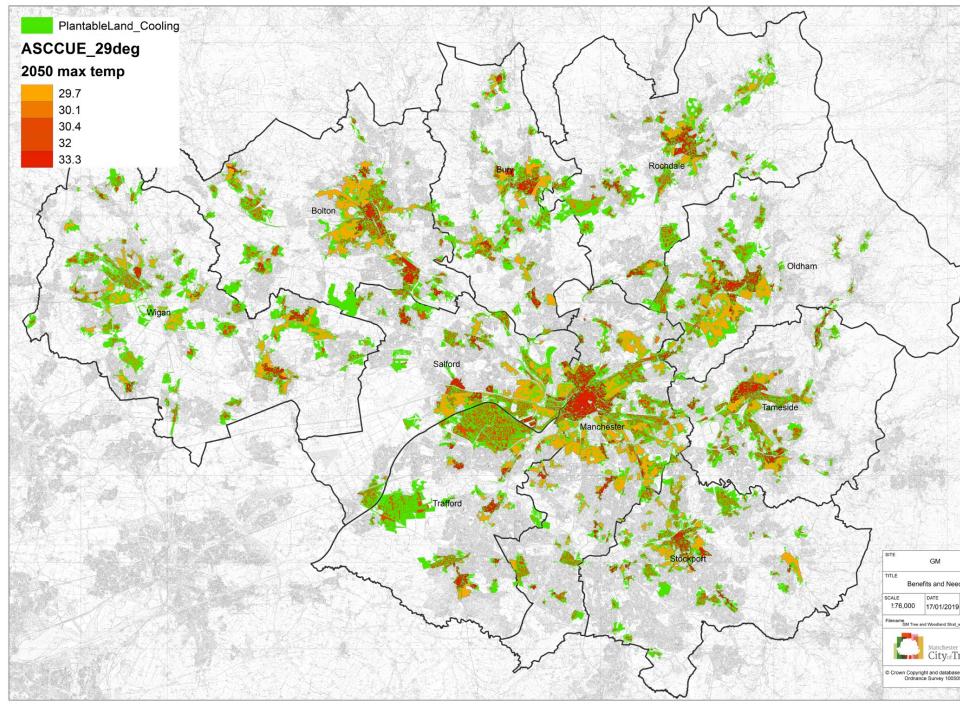
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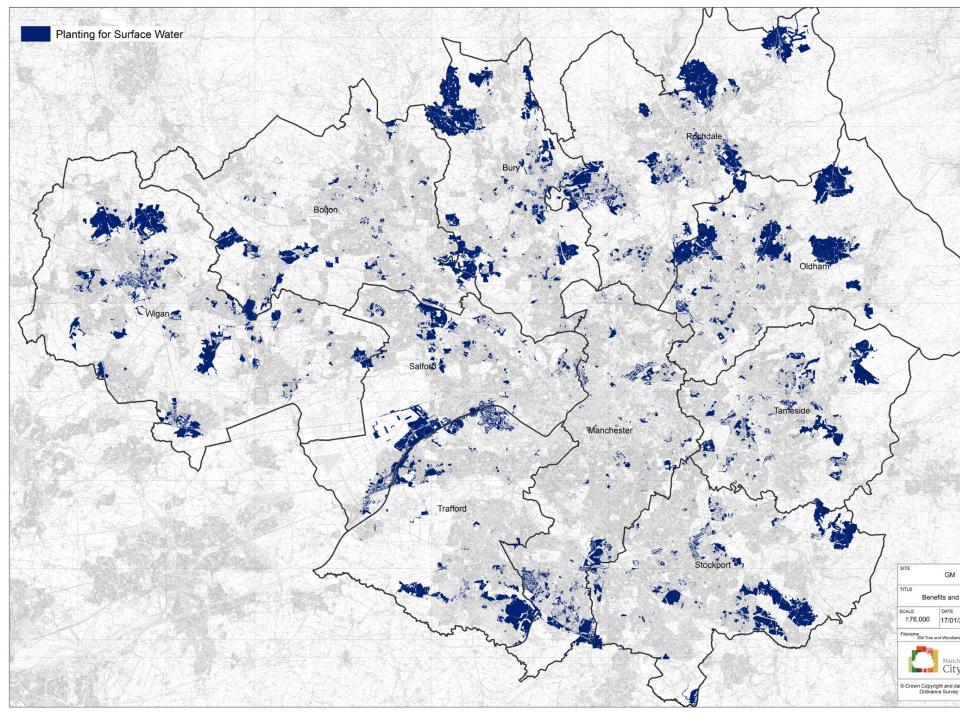


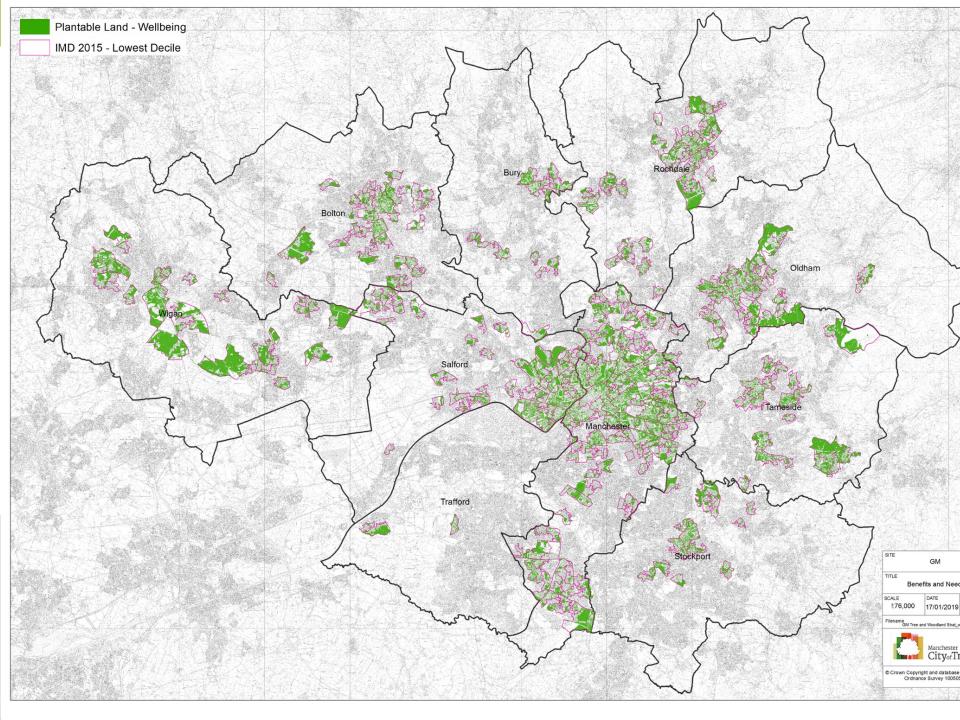














All Our Trees

Greater Manchester's Tree and Woodland Strategy

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Thank you



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