
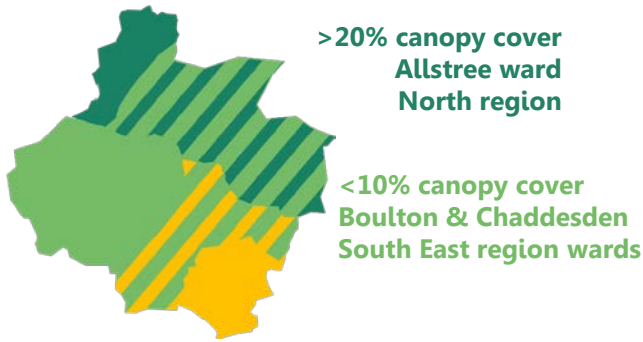


# The benefits of Derby's urban trees

## Quantity

 There are an estimated 255,000 trees in Derby. The canopy cover of Derby's wards ranges 3-26%.

 The most surveyed land use: residential  
 Land use with most tree cover: golf course



-  Trees provide a range of benefits in Derby
-  Derby's tree community is varied in its spread across the city, species, age structure, and health condition

## Type

At least 61 tree species in Derby; compared to other UK towns this is a good diversity



Most common trees (% of total):  
Leyland cypress (12), Sycamore (7), Silver birch (6)





Derby would benefit from more large trees



## Value


Each year, Derby's trees:

 Intercept 81,000 m<sup>3</sup> of rainfall, worth £79 k

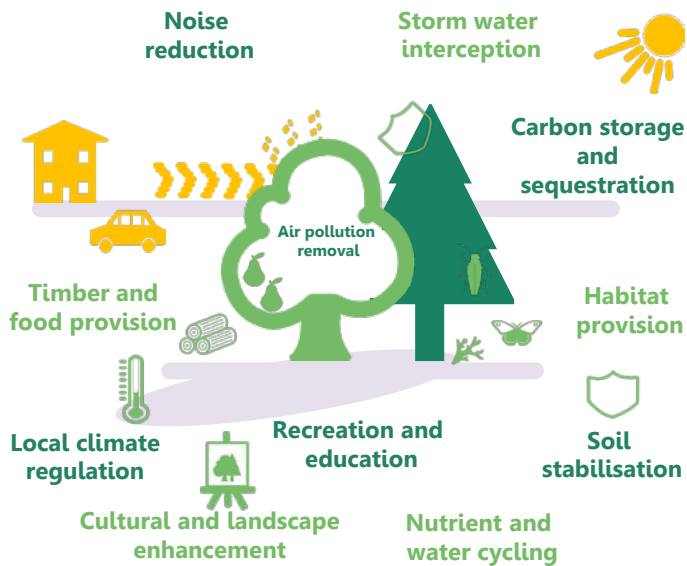
 Store 106,825 tonnes of carbon, equal to the emissions of 78,500 households, worth £95.9 million

CAVAT amenity value of all trees: £1,020 million

Remove 60 tonnes of air pollution, worth £278 k 







 Remove 3,233 tonnes of carbon from the air, worth £2.9 mill

## The benefits of urban trees



## Threats

 Only 16% of tree crowns were in excellent condition

	 Asian longhorn beetle	 Ramorum disease	 Chalara ash dieback
Present			
Impact (£ mill)	626	458	43

## Recommendations

-  Derby could increase fair and effective benefit delivery by increasing tree cover, and the number of large trees.
-  Improving the health and diversity of the tree community would help build resilience to pressures from emerging diseases and climate change.

