

# Tree Planting for Air Quality Improvement. Bradpole CP

Scale @A3 1:15,000



Compiled by neetmaps on 20/8/2020

This map shows where it would be most beneficial to plant trees in areas of most need and poorest air quality. The following method has been used

**Air Quality:**  
PM10 & PM2.5 Datasets from <https://uk-air.defra.gov.uk/data/pcm-data> at the 1km level were downloaded and "scored" from 1 to 5 (5 being poorest quality).  
Normalised scores for PM10 and PM2.5 were added together and the results cut into 3 bands from 1 (least) to 3 (highest) pollution level.

**Health:**  
To understand where the greatest health risk is, we have used the following indicators as a proxy of greatest risk:  
# Emergency Hospital Admissions for Coronary Heart Disease  
# Emergency Hospital Admissions for COPD  
# Number of 15 year olds who regularly smoke  
# Number of over 65 year olds

Data from Public Health England website [www.localhealth.org.uk/](http://www.localhealth.org.uk/) at the parish level was obtained, normalised and an "average" risk applied to each Parish based on all 4 indicators. This was in turn cut into 3 bands across the AONB from 1 (least) risk to 3 (highest) risk.

Finally, both Air Quality and Health Risk were added together to produce a map showing the higher scores representing most need and poorest air quality and the lower scores representing least need and best air quality.

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