Tree Planting for Air Quality Improvement. Symondsbury CP

Scale @A3   1:30,000

0   500   1,000 m

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 followng indicators as a proxy of gratest 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/ 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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Legend

- AONB boundary
- Parish boundary

Tree planting priority
- 2 (less beneficial)
- 3
- 4
- 5
- 6 (more beneficial)