

## Temperature and Rainfall Recordings in South Yorkshire

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Graphs compiled by Mark Dudley MBNA

### A study of air and ground temperature, rainfall, and humidity and air temperature in a Victorian bear pit, in the Historic Gardens at Wentworth Garden Centre

This study is ongoing and will be used in the future to compare with the species recorded within the gardens. If the varying temperatures can show why certain species are moving further north because of changes in the climate, then this will help us to understand the biodiversity of the area, and how climatic changes affect the environment.

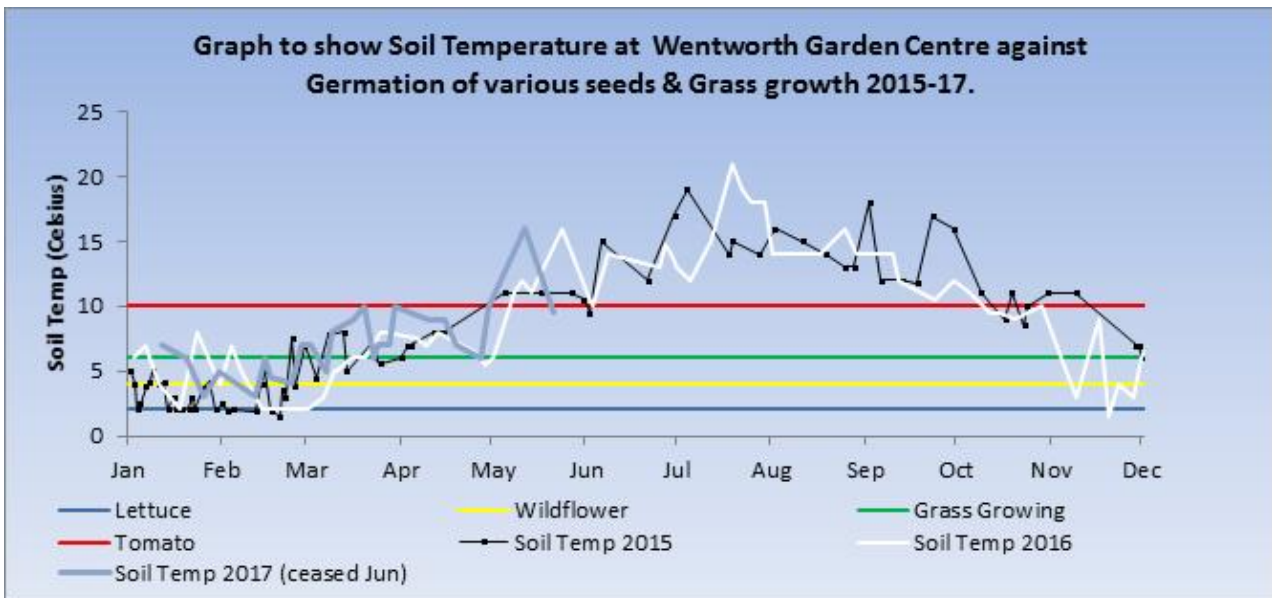


Figure 1

Figure 1 shows the variation in ground temperature over 2 ½ years

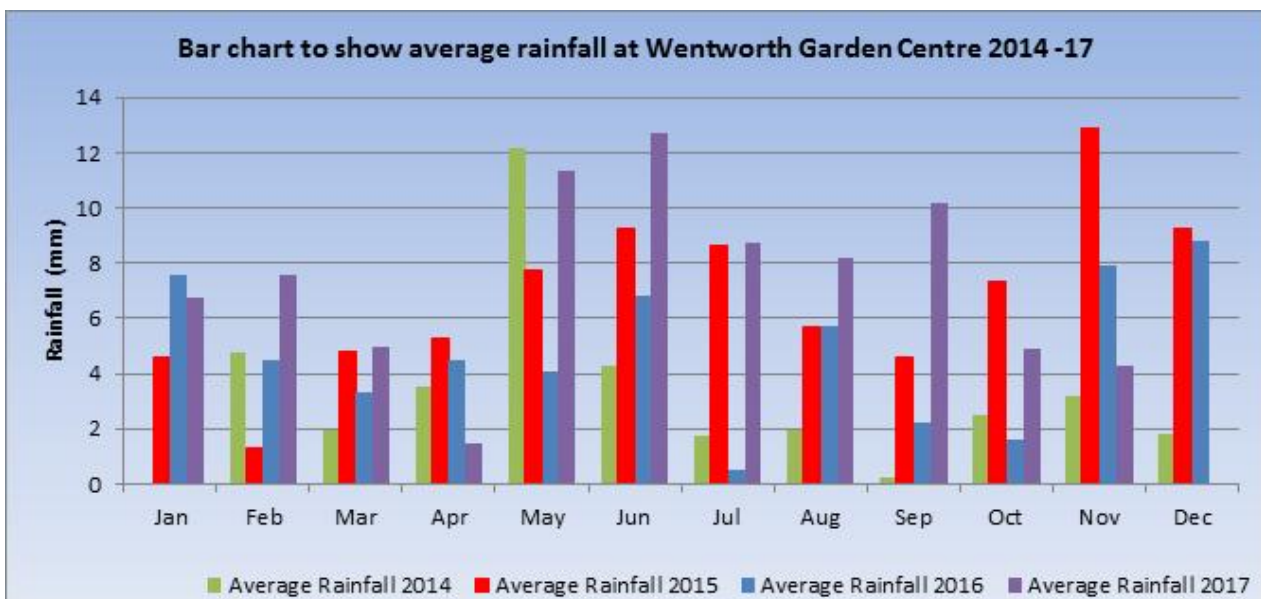


Figure 2

This graph shows the monthly variation in rainfall over a four year period

These next four graphs (figs. 3-6) are the recorded air temperature over four years; the thermometer was kept in the same shaded area away from direct sunlight and sheltered from the worst of the wind and rain

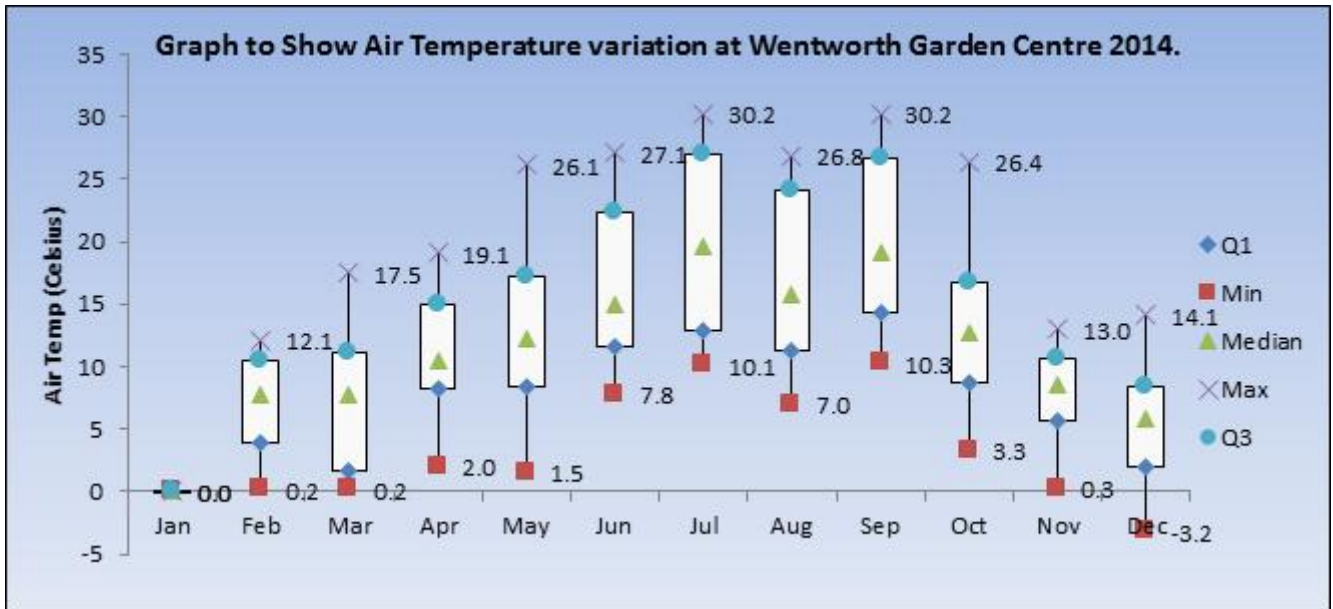


Figure 3

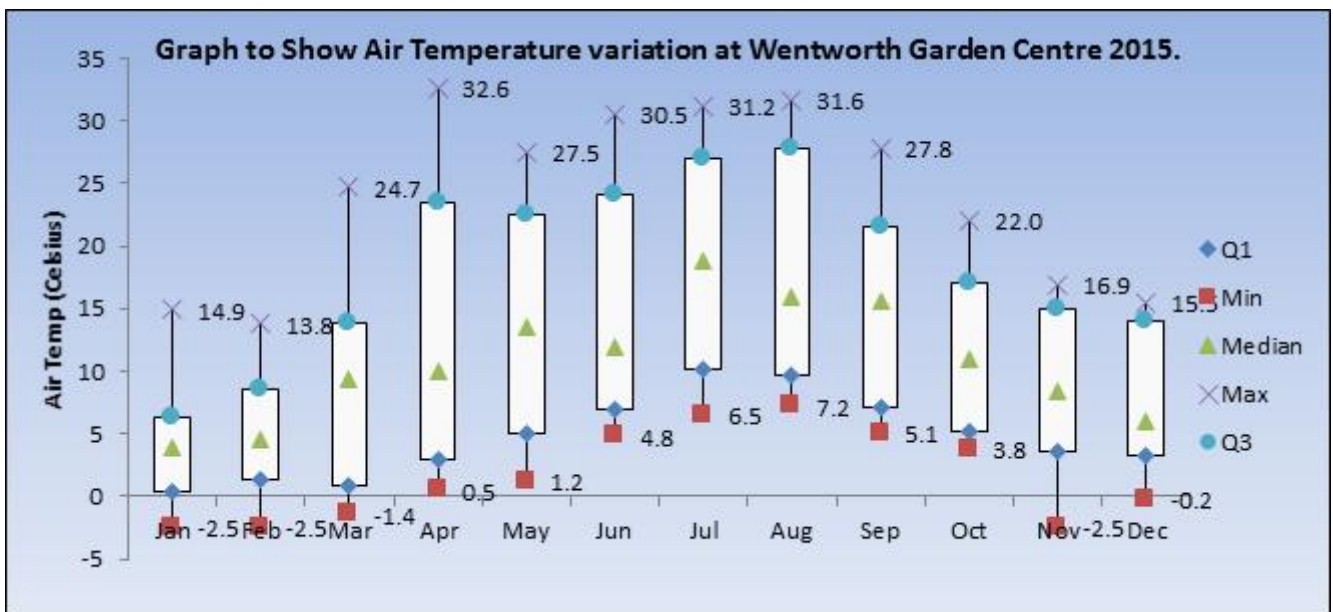


Figure 4

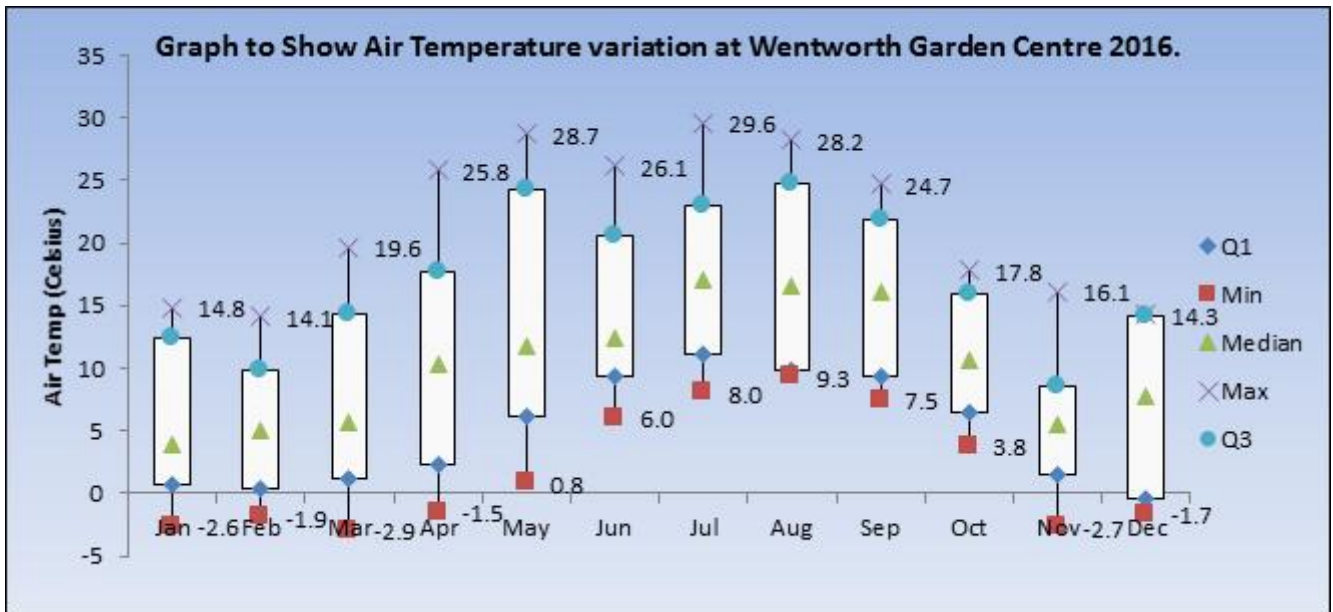


Figure 5

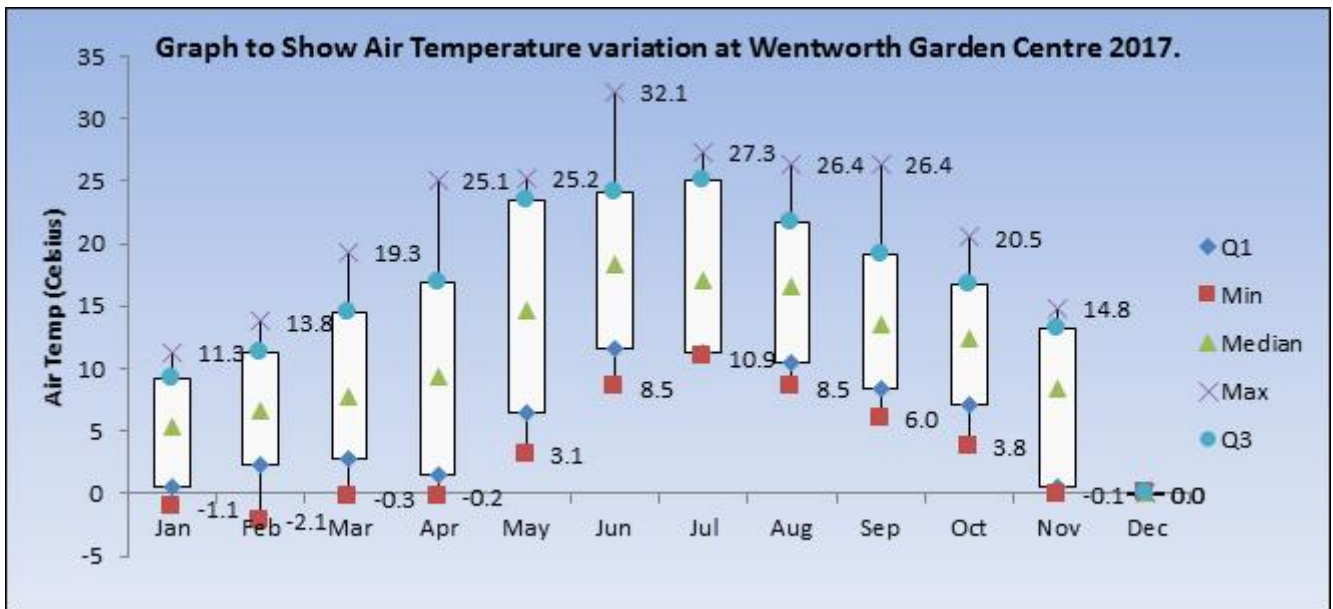


Figure 6

The next three graphs (figures 7-9) refer to humidity and air temperature in an old Victorian bear pit

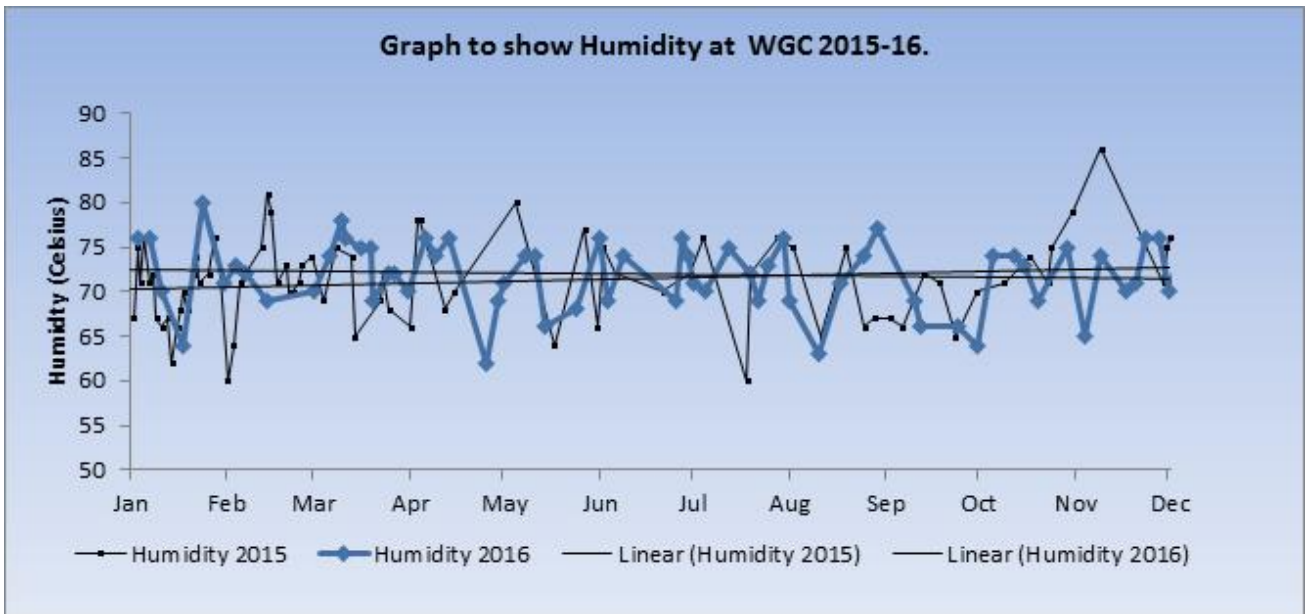


Figure 7

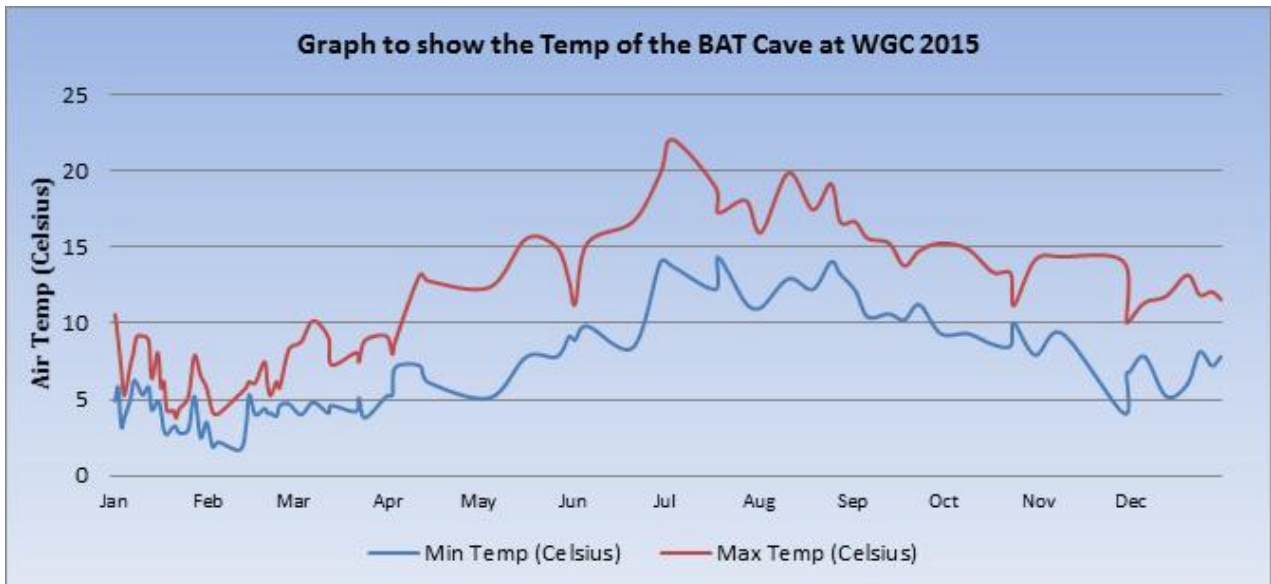


Figure 8

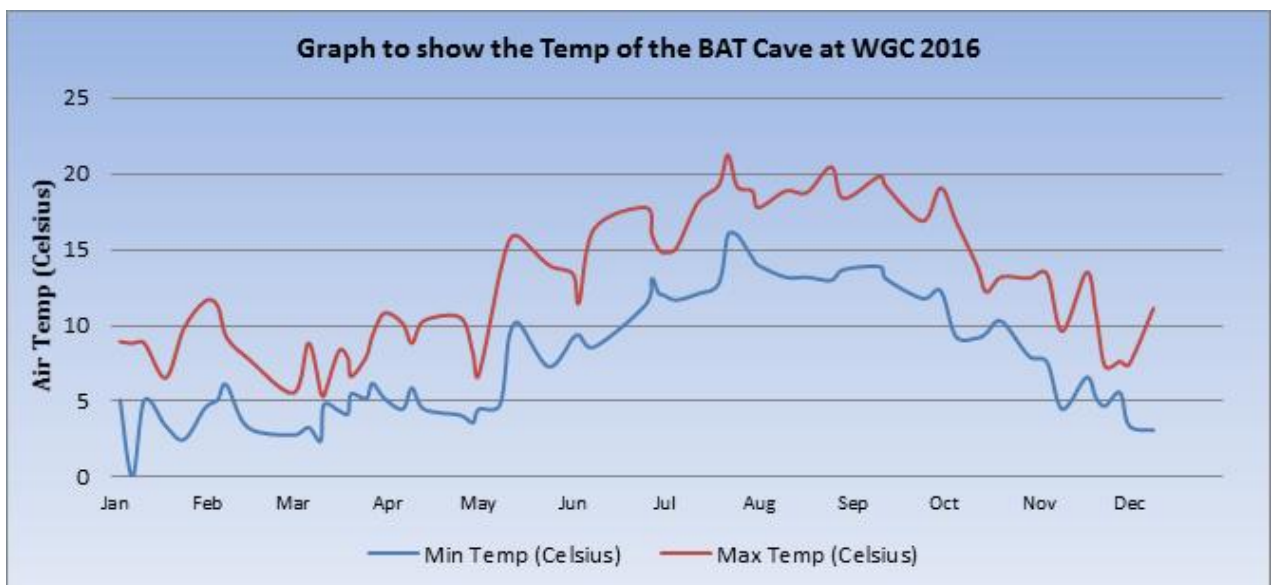


Figure 9