

## Appendix 1 Waste Compositional Analysis

A Waste Compositional Analysis (WCA) looks at the type of waste that is left in the residual black bin. It is used to analyse what residents are throwing away and helps the waste management teams plan how to manage this material. For example the 3 Councils receive an income from some of the recyclates which helps to offset the costs of the service, the WCA identifies how much of this material is left in the residual bins.

WCA have been completed by M.E.L research in 2009, 2014 and 2016/17. Analysis is completed two times a year, normally in spring and autumn to provide statistical validity. Researches sample 50 properties from 5 streets across each authority. The method used in these WCA's is to empty residents wheeled bins into dumpy bags to remove and analysed before the waste is crushed by an RCV.

Figure 1: BMBC Waste Composition

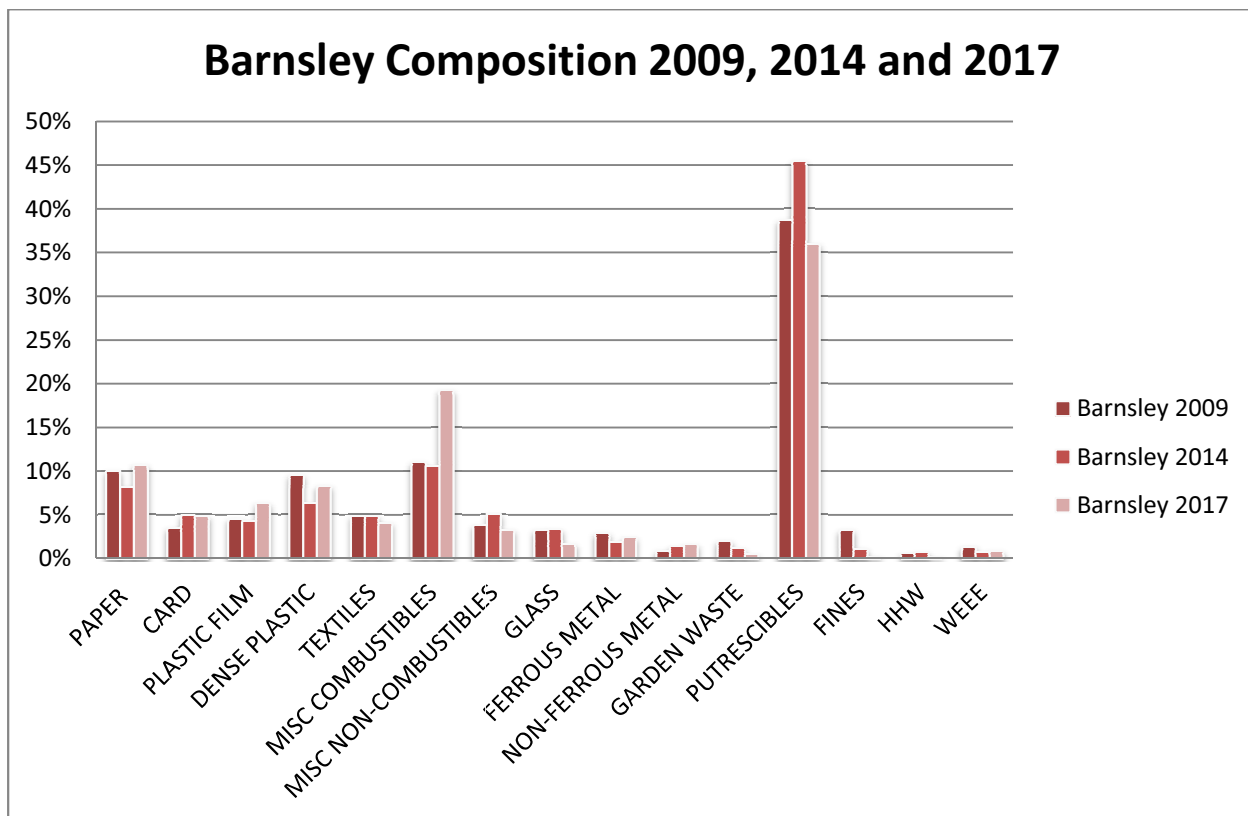


Figure 2: DMBC Waste Composition

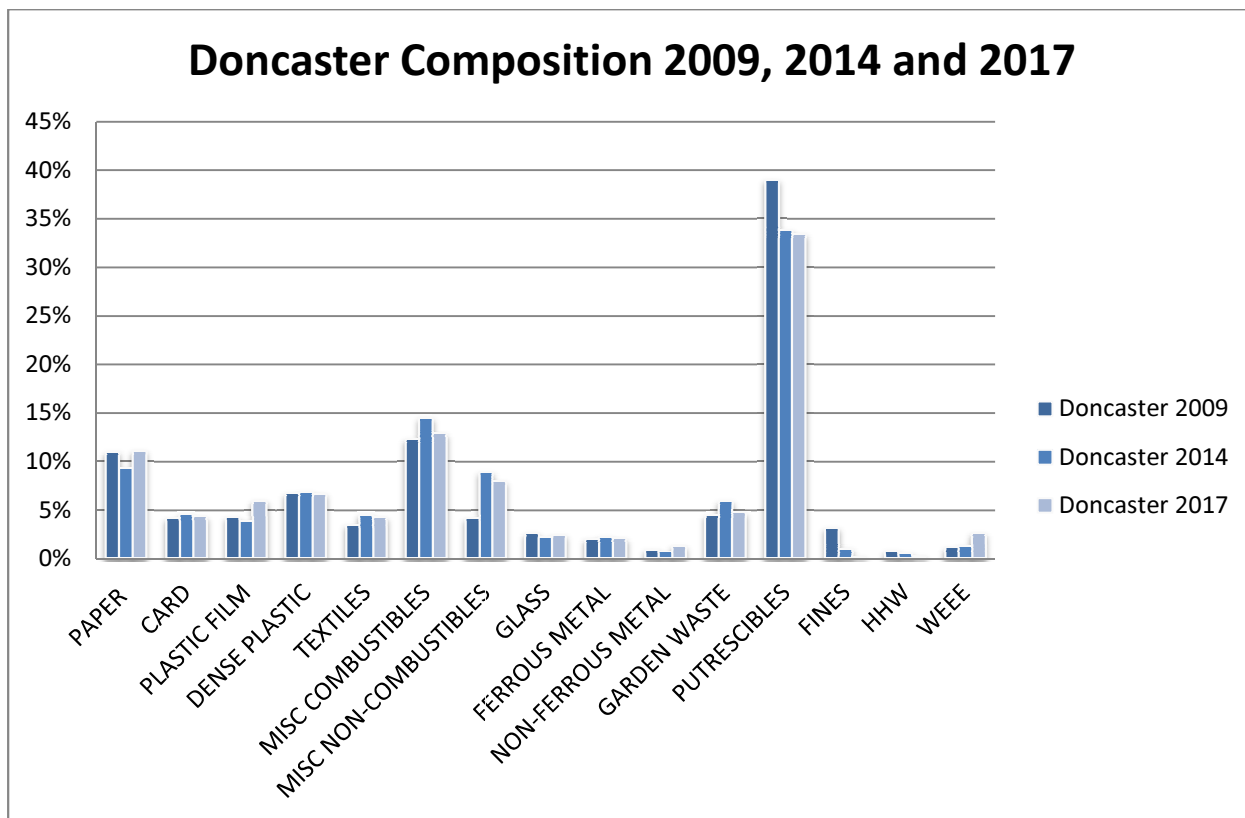
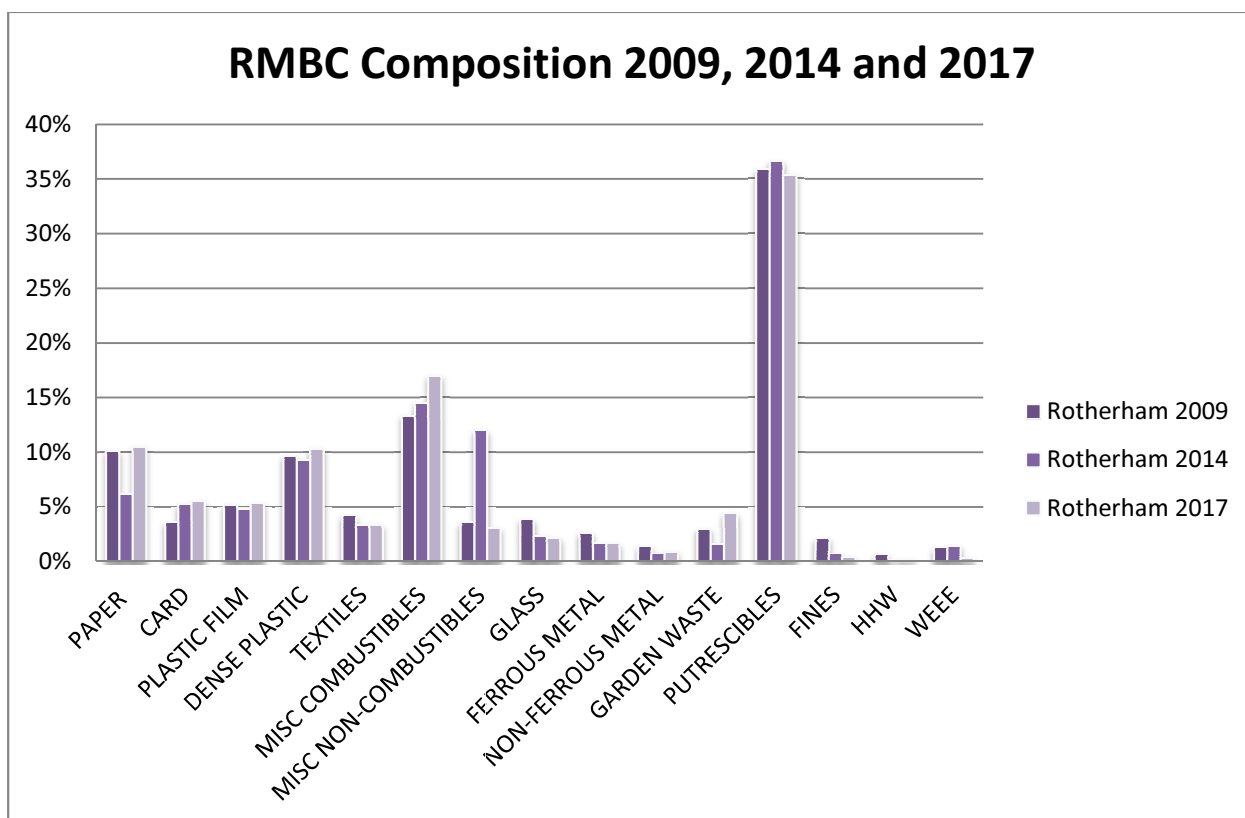


Figure 3: RMBC Waste Composition



Figures 3,4 and 5 show the composition over the 3 separate analysis compositions have remain relatively stable, Putrescible food waste remains the main composition of the waste bin. Targeting this waste though efforts such as the love food hate waste campaign could have the greatest impact in reducing overall household waste arising's.