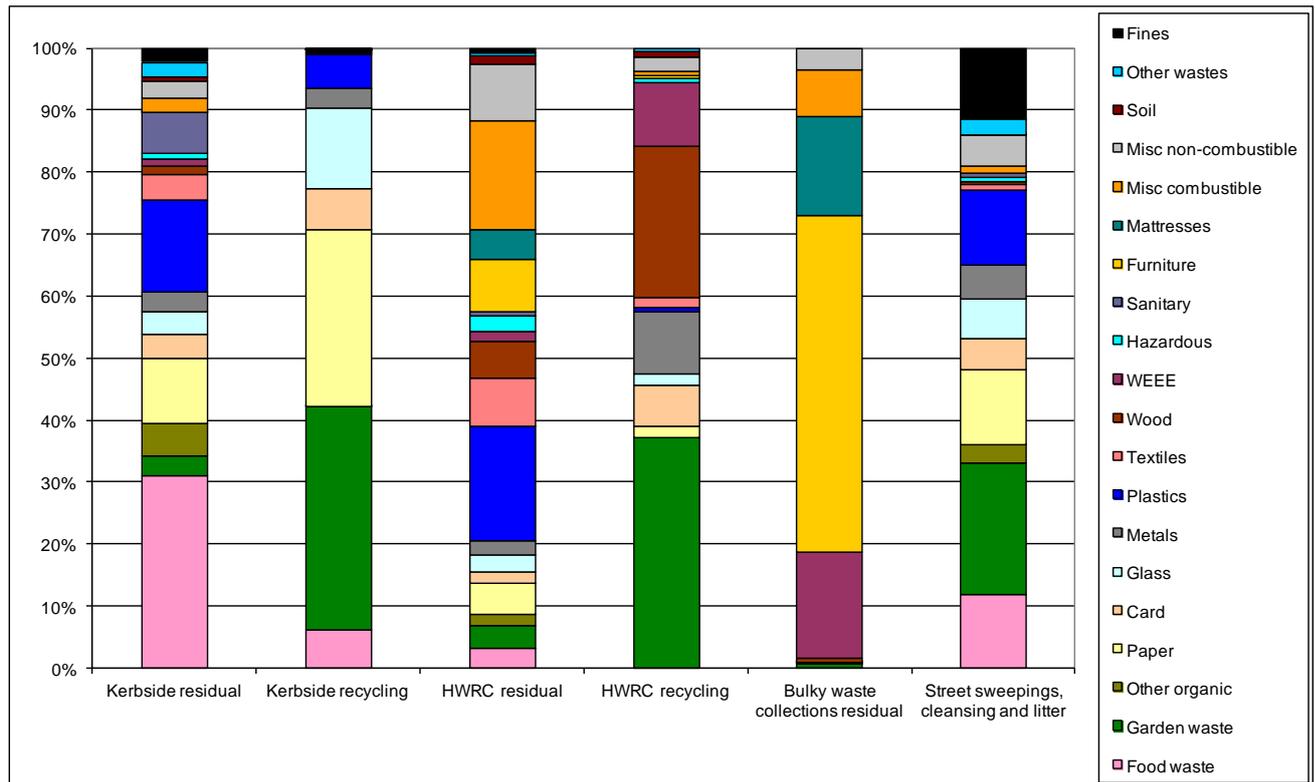


Defra EV0801 - National compositional estimates for local authority collected waste and recycling in England, 2010/11

This study presents national compositional estimates for local authority collected waste in England. Previous projects (Defra WR0119 and WR1002) have produced national estimates for the composition of local authority collected waste and recycling streams in England, which relate to the period 2006/07. The compositional estimates produced for this project relate to the period 2010/11.

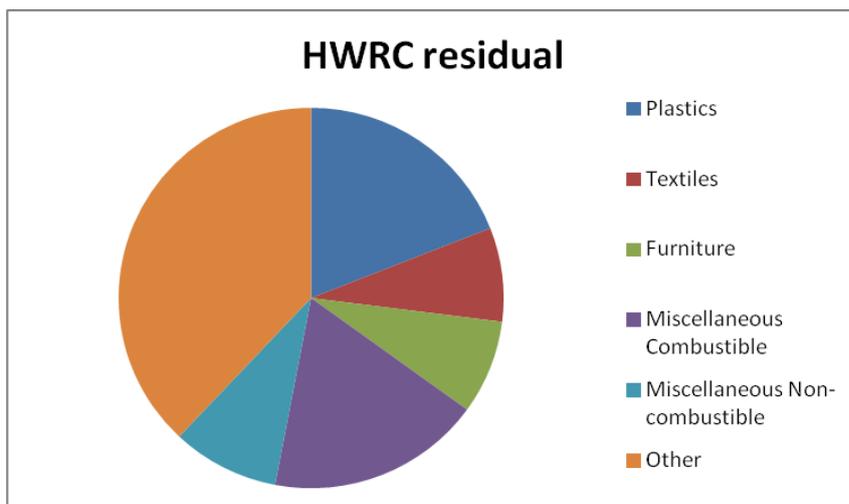
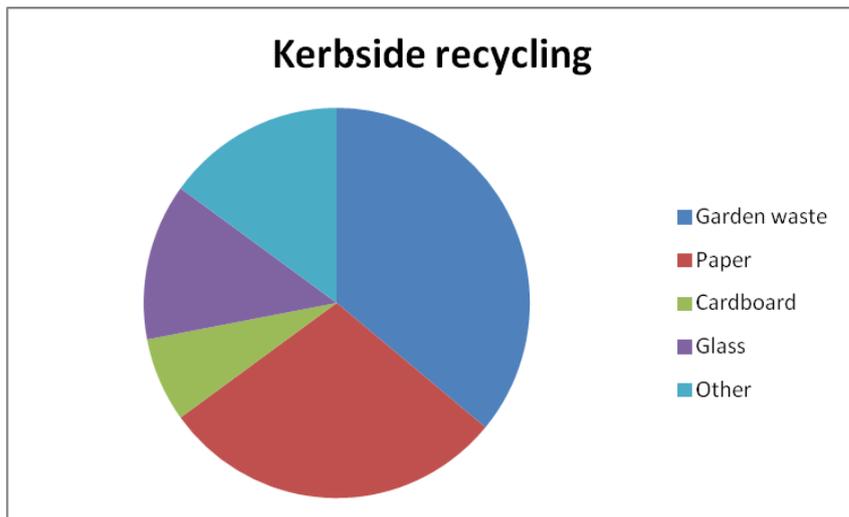
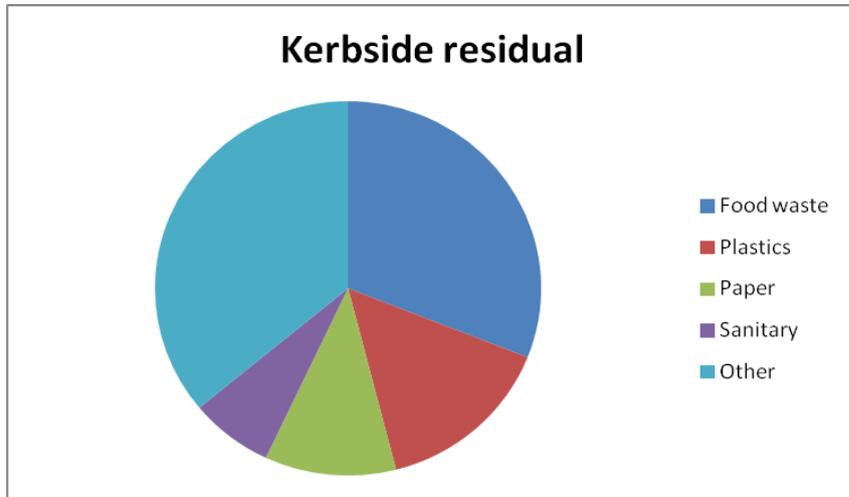
The composition of the main household residual and recycling streams are illustrated in the following chart.

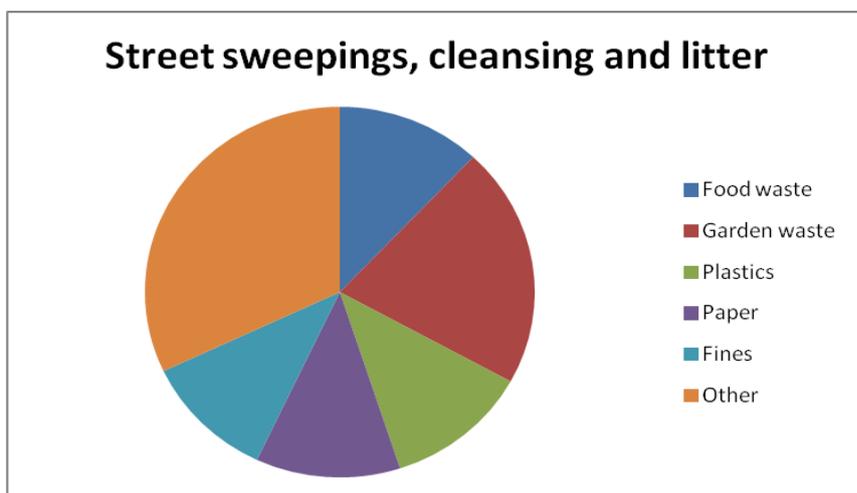
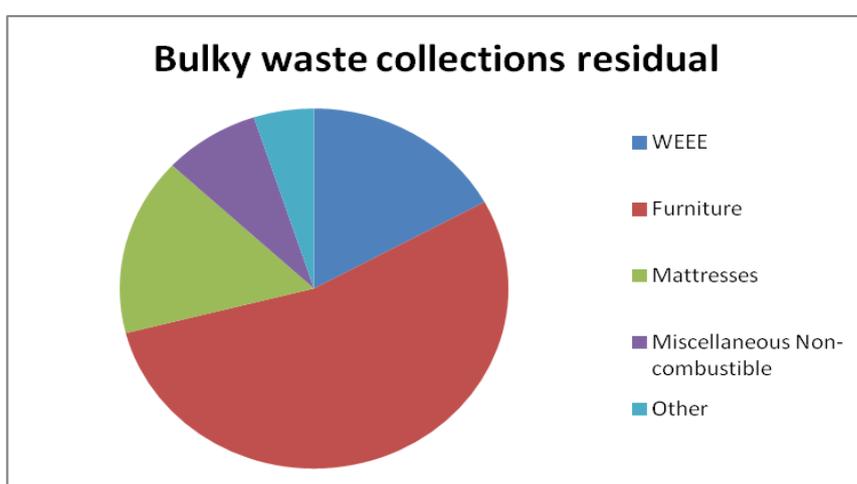
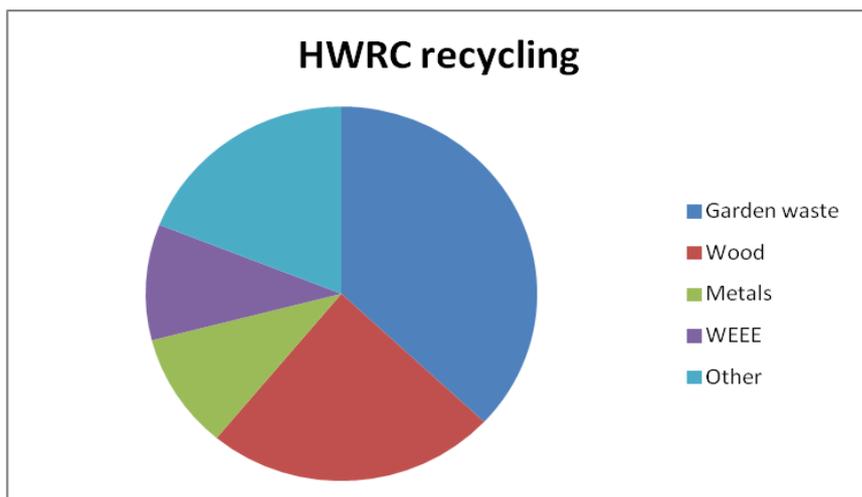


The most important components of these streams, in terms of percentage arisings within each stream, are summarised as follows:

- Kerbside residual: Food waste (31%), Plastics (15%), Paper (11%), Sanitary (7%)
- Kerbside recycling: Garden waste (36%), Paper (29%), Glass (13%), Cardboard (7%)
- HWRC residual: Plastics (19%), Miscellaneous Combustible (18%), Miscellaneous Non-combustible (9%), Furniture (8%), Textiles (8%)
- HWRC recycling: Garden waste (37%), Wood (24%), WEEE (10%), Metals (10%)
- Bulky waste collections residual: Furniture (54%), WEEE (17%), Mattresses (16%), Miscellaneous Non-combustible (8%)
- Street sweepings, cleansing and litter: Garden waste (21%), Paper (12%), Plastics (12%), Food Waste (12%), Fines (11%).

Detailed compositional assessments of all these waste and recycling streams are included in the project report. Pie charts illustrating the composition of these waste and recycling streams, by the main components mentioned above, are presented here:





Although it is beyond the scope of this project to comment on differences between the two sets of estimates, some descriptive comparisons in waste arisings and composition found nationally in England between 2006/07 and 2010/11 are included in this report. Some trends between 2006/07 and 2010/11 that are interesting to note are:

- Household waste arisings have decreased, from 1,198 kg/hh/yr (2006/07) to 1,055 kg/hh/yr (2010/11)

- Reductions are particularly prominent in the kerbside and HWRC streams, which have both also shown an increase in recycling tonnages, alongside decreasing residual waste tonnages
- Local authority collected commercial waste arisings have significantly decreased, from 2,565,112 tonnes (2006/07) to 1,658,312 tonnes (2010/11)
- Bring site recycling has decreased somewhat, from 31 to 23 kg/hh/yr.

Changes in tonnage arisings for England 2010/11 in comparison to 2006/07, for all household waste and recycling, are shown in the following table for some of the main material types. Household residual waste tonnages have reduced for all the material types listed. Household recycling tonnages have increased for all the listed material types apart from paper. Overall tonnages for household residual plus recycling have decreased for all of the listed material types, apart from garden waste.

Category	Residual	Recycling	Net change
Food Waste	Decreased by 1,161,000 tonnes	Increased by 348,000 tonnes	Decreased by 813,000 tonnes
Garden Waste	Decreased by 557,000 tonnes	Increased by 776,000 tonnes	Increased by 219,000 tonnes
Paper	Decreased by 750,000 tonnes	Decreased by 102,000 tonnes	Decreased by 853,000 tonnes
Glass	Decreased by 329,000 tonnes	Increased by 247,000 tonnes	Decreased by 83,000 tonnes
Plastics	Decreased by 318,000 tonnes	Increased by 232,000 tonnes	Decreased by 86,000 tonnes
All others materials	Decreased by 1,099,000 tonnes	Increased by 552,000 tonnes	Decreased by 547,000 tonnes
OVERALL	Decreased by 4,215,000 tonnes	Increased by 2,052,000 tonnes	Decreased by 2,163,000 tonnes

Further details about this study's findings can be found in the report.