

Waste Auditing

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Oak Hall Academy

5/18/2010- 5/26/2010

JJ Finley Elementary

6/1/2010- 6/11/2010

Lofton Vocational HS

5/28/2010-6/11/2010

Food Waste



Plastic Bags



Waxy Paper and Milk Cartons



Recyclables



Individual Plastic Packaging



Miscellaneous





Oak Hall Waste Audit

May 18, 2010 – May 26, 2010

Oak Hall

- Private school on Tower Road
- K-12
- No kitchen
- 355 students



Oak Hall

- Mostly food waste, pasteboard boxes and napkins/
parchment paper
 - Prepacked foods such as KFC, Moe's, Heavenly Ham

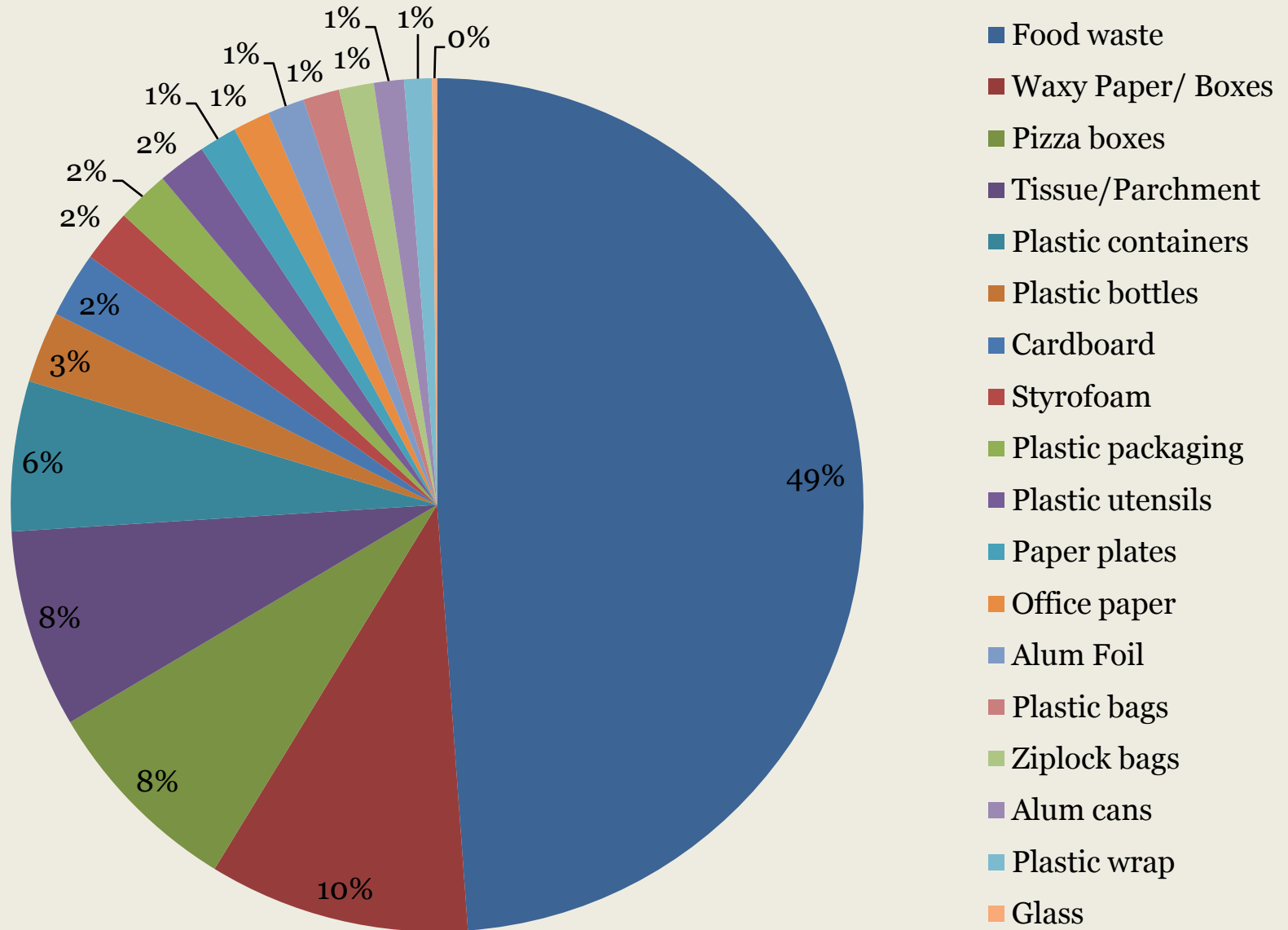


Waste Audit



Column1	Total Weight (lbs)	Average Daily Weight (lbs/day)
Food waste	90.70	18.14
Waxy Paper/ Boxes	18.36	3.672
Pizza boxes	14.40	2.88
Tissue/Parchment	13.95	2.79
Plastic containers	10.55	2.11
Plastic bottles	5.02	1.004
Cardboard	4.61	0.922
Styrofoam	3.71	0.742
Plastic packaging	3.70	0.74
Plastic utensils	3.40	0.68
Paper plates	2.65	0.53
Office paper	2.61	0.522
Alum Foil	2.60	0.52
Plastic bags	2.55	0.51
Ziplock bags	2.46	0.492
Alum cans	2.11	0.422
Plastic wrap	1.95	0.39
Glass	0.35	0.07
total	185.68	37.136

Oak Hall Waste Composition



Notable Points

- 18.14 pounds of Food Waste daily
 - 90.7 pounds a week,
 - 3265.2 pounds a year (based on 180 day school year).
- No cooking on site.
 - Increase in packaging
- Vending machines

J.J. Finley Elementary School

June 1, 2010 - June 11, 2010

J.J. Finley

- 1912 Nw 5th Ave,
Gainesville, FL 32603
 - Proximity to University
- 436 students
- Cafeteria does not have staff to separate waste
 - Zero waste days run by a volunteer
- Got Milk!
 - Note the differences between J.J. Finley and Oak Hall such as size, type, and possible source.

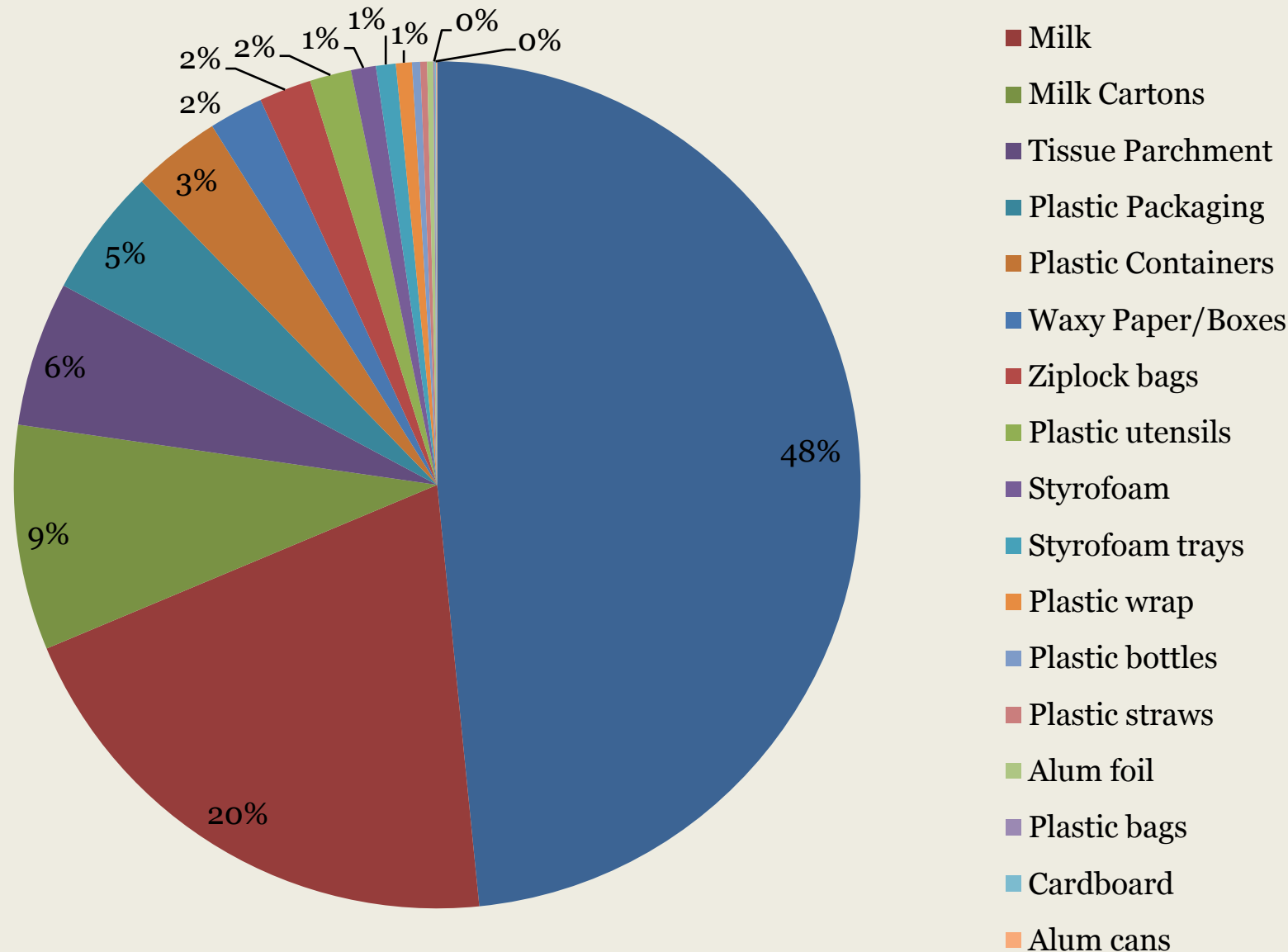


Waste Audit



Category	Total Weight (lbs)	Average Daily Weight (lbs/day)
Food Waste	476.61	52.957
Milk	199.56	22.173
Milk Cartons	84.55	9.394
Tissue Parchment	54.42	6.047
Plastic Packaging	48.36	5.373
Plastic Containers	33.2	3.689
Waxy Paper/Boxes	20.35	2.261
Ziplock bags	19.65	2.183
Plastic utensils	15.61	1.734
Styrofoam	9.35	1.039
Styrofoam trays	7.45	0.828
Plastic wrap	6	0.667
Plastic bottles	3.05	0.339
Plastic straws	2.55	0.283
Alum foil	2.3	0.256
Plastic bags	0.6	0.067
Cardboard	0.5	0.056
Alum cans	0.35	0.039
Total	984.46	109.384

J.J. Finley Elementary School Waste Composition



Notable Points

- 53lbs of Food Waste daily
 - 265 pounds a week,
 - 9540 pounds a year (based on 180 day school year confirmed by J.J. Finley).
- Larger contribution from the cafeteria, less from home vs. Oak Hall
 - Many items depend on how cafeteria staff packaged the food therefore explaining large ranges. Ex. styrofoam.
- I did not notice vending machines in J.J. Finley's cafeteria vs. Oak Hall. (only one visit due to school protocols.)

Lofton High School

May 28, 2010 – June 11, 2010

Lofton High School

- 3000 E. University Ave. Gainesville, FL 32641
- Public high school
- 271 students
- Cafeteria-style lunch
- Professional Academies Magnet School

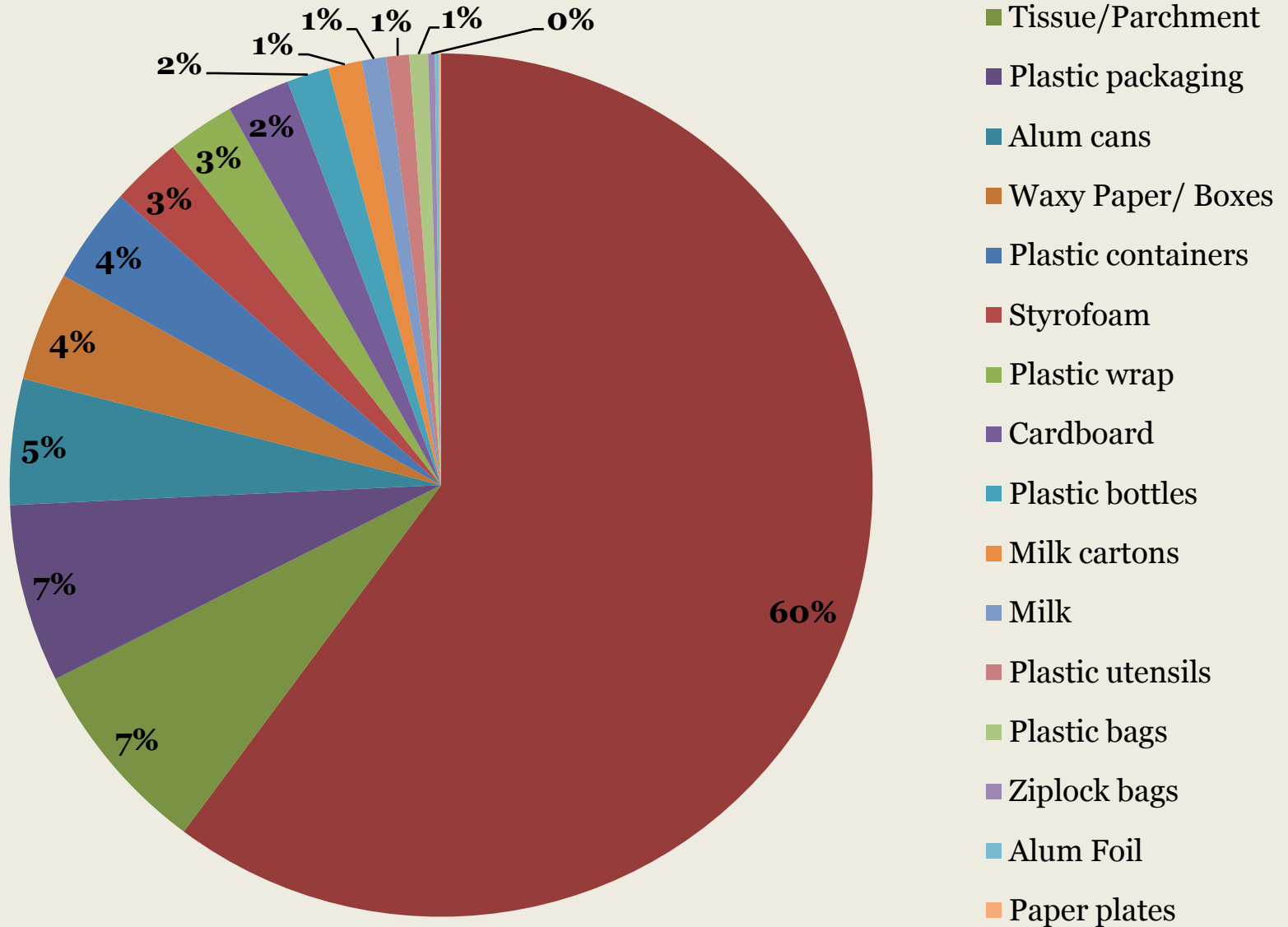


Waste Audit



Categories	Total Weight (lbs)	Average Daily Weight (lbs/day)
Food waste	244.28	24.428
Tissue/Parchment	30.11	3.011
Plastic packaging	27.1	2.71
Alum cans	19.1	1.91
Waxy Paper/ Boxes	16.61	1.661
Plastic containers	14.64	1.464
Styrofoam	10.8	1.08
Plastic wrap	10.25	1.025
Cardboard	9.6	0.96
Plastic bottles	6.4	0.64
Milk cartons	5.1	0.51
Milk	3.75	0.375
Plastic utensils	3.45	0.345
Plastic bags	2.85	0.285
Ziplock bags	1	0.1
Alum Foil	0.6	0.06
Paper plates	0.35	0.035
Plastic straws	0.15	0.015
		0
total	406.14	40.614

Lofton High School Waste Composition



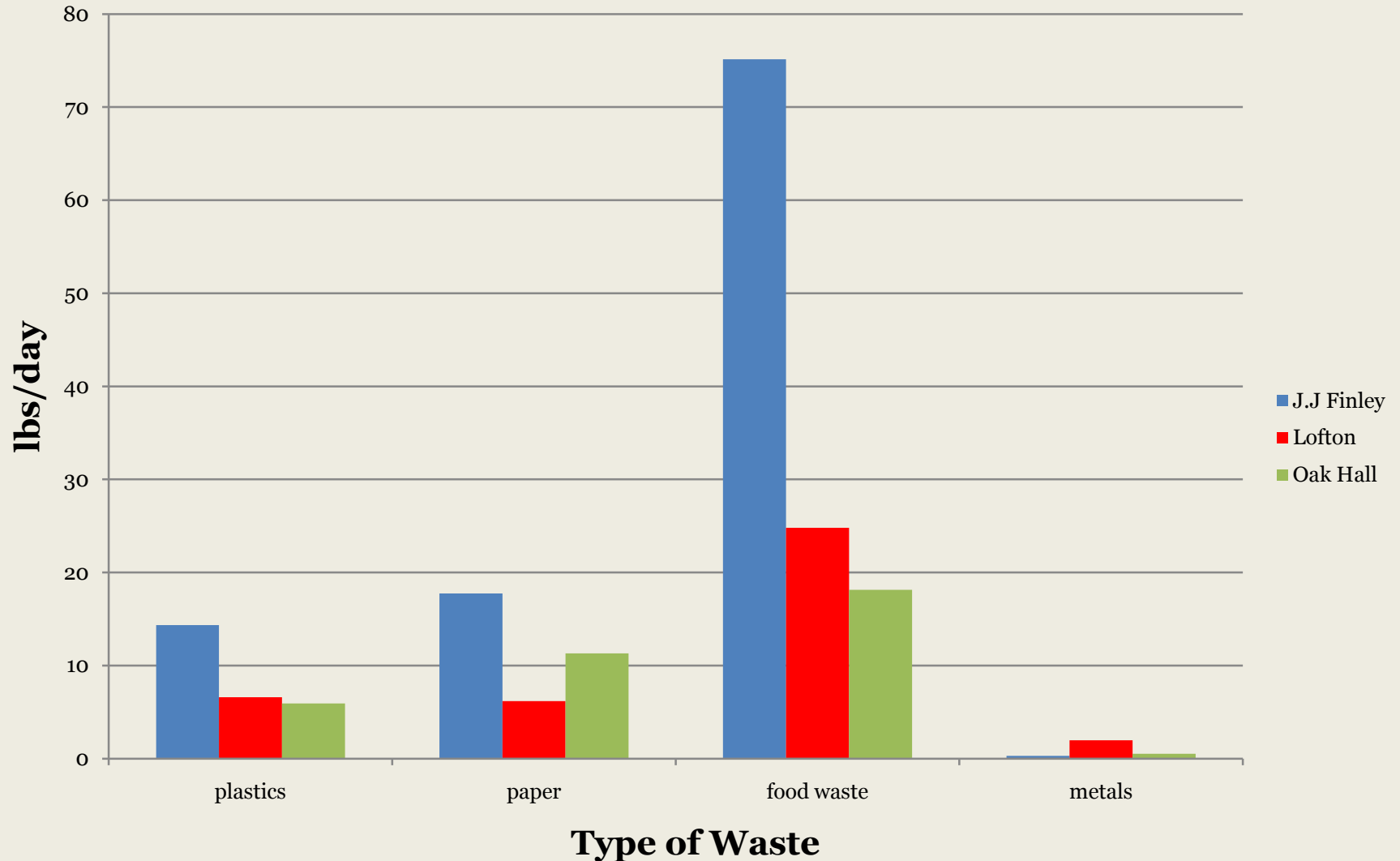
Notable Points

- 24.43 lbs of Food Waste daily
 - 122.15 pounds a week,
 - 4397.4 pounds a year(based on 180 day school year confirmed by J.J. Finley).
- Larger contribution from the cafeteria.
- More kitchen waste than J.J. Finley, whose kitchen manager said they produce almost no waste in the kitchen while preparing food.

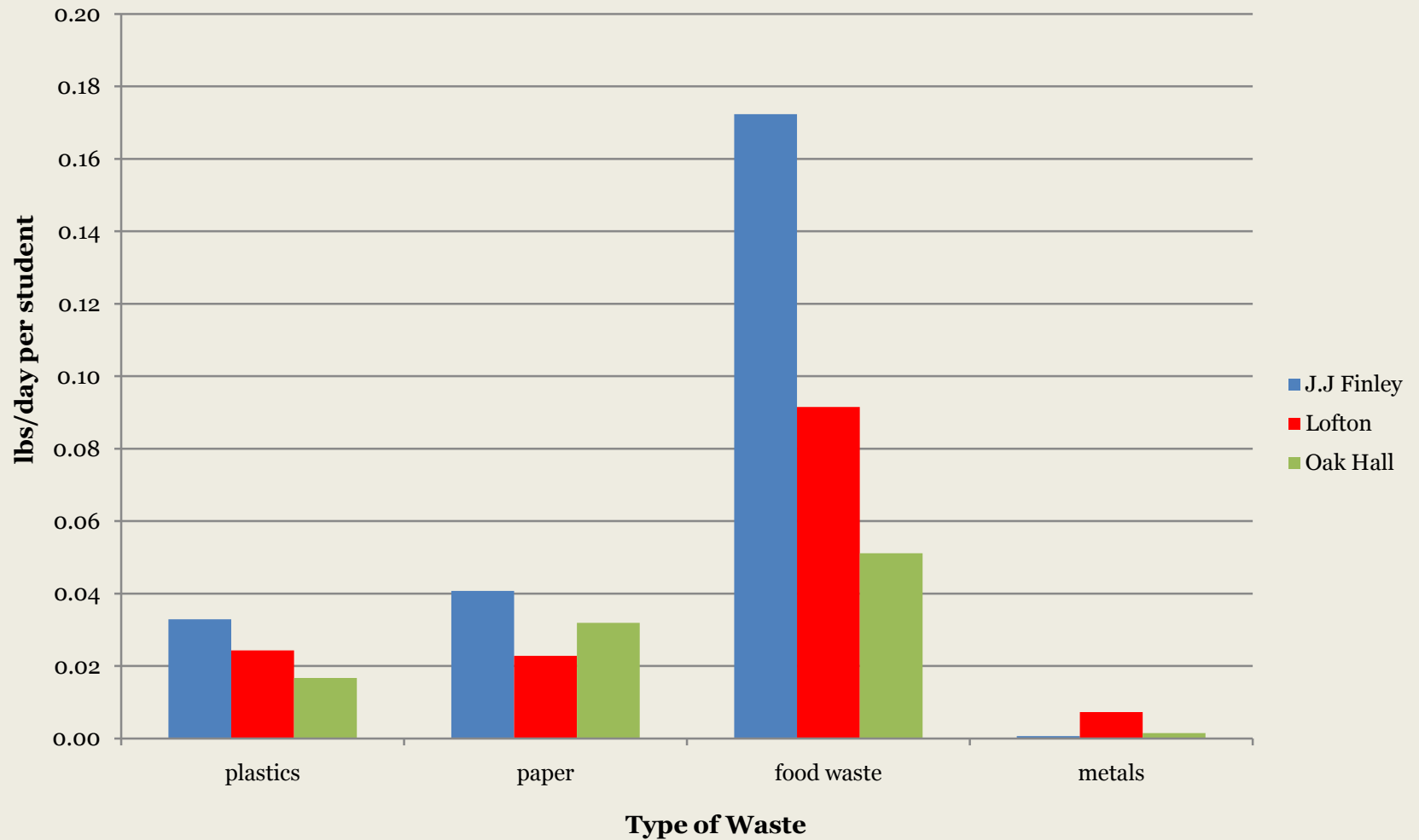
Comparative Study

Oak Hall, J.J. Finley Elementary, Lofton H.S.

Comparison of Average Daily Weight



Average Waste Per Student



Implications

- In all three schools at least 85% of the waste can be diverted away from landfills
- The manner in which the food is provided plays a large factor in the type of waste
- Food Waste is the largest component in all three schools

Questions/Comments

Thank You