

## **Chapter 14: Phase II -Introduction**

### **What is the purpose of Phase II?**

The purpose of the Missouri Waste Composition Study is to analyze the composition of the waste stream for the state of Missouri. Waste streams vary from district to district, depending on regional factors such as the number of cities and rural areas, population, economy, tourists attraction sites, climate, employment rates, and industry. During Phase I of this study (1996), Midwest Assistance Program (MAP) conducted 29 waste sorts in ten solid waste management district throughout the state.

Phase II is a continuation of this study. The purpose of Phase II (1997) was to collect solid waste data from the remaining 9 solid waste districts for a total of 19 districts (the University of Missouri at Columbia conducted a separate waste study for the 20th waste district). Information would then be available for every solid waste district in Missouri, and analysis of the entire Missouri waste stream would include all regions of the state.

As in Phase I, three seasonal sorts were conducted in the remaining 9 solid waste districts for a total of 27 sorts. Waste sorts conducted during both Phase I and II will only examine municipal solid waste. Industrial waste, construction and demolition waste, and special waste streams are not included in this study. Comparisons of Phase I and Phase II, as well as overall comparisons with other similar studies, will be examined in Chapter 24: Phase II- Summary.

### **Methodology**

The methodology used in this study is essentially the same as in *The Missouri Waste Composition Study: Municipal Solid Waste- Phase I (1996)*. Please refer to Chapter 2: Methodology for a complete description of the methodology.

### **Selection of Sorting Sites**

The criteria for selecting waste sort locations remained the same in Phase II: 1) selecting locations that were representative of the waste within that particular district, and 2) selecting locations which could be used as a guide for cities outside the district with

similar characteristics. Maps of Missouri landfills and transfer stations are on pages 9 and 10 of Phase I. The following locations were selected for Phase II:

Butler County Landfill	City of St. Joseph Landfill
West Plains Solid Waste Transfer Station	Farmer's Landfill
Phelps County Transfer Station	Rye Creek Sanitary Landfill
Modern Sanitation Transfer Station	Central Missouri Landfill, Inc.
Waste Management of St. Louis Recycling and Transfer Facility	

Chapters 15 through 23 describe the sort locations and provide the data from those waste sorts.

### **Sort Procedure**

The sort procedure used was the same as in Phase I. However, a few revisions were made and are worth noting:

- Instead of hiring temporary sorters at each site, sorters were interviewed and hired for the duration of the study. This revision was made in order to increase sort accuracy and to decrease training time. Three sorters were hired and remained for the first and second rounds of sorts. A second group of sorters were hired to work the third round. Like before, sorters were hired as subcontractors and were responsible for travel and expenses.
- In addition to documenting the items in the "Other Waste" category (see definition on page 14), the weight and volume were also recorded. The volume was based on identical 3 cubic-foot container.

The sorting procedure used was the same as the Second and Third Round Procedure of Phase I (See page 18 for details).

## Chapter 15: Poplar Bluff (Butler County Landfill)

### COMMUNITY PROFILE

The City of Poplar Bluff is located in Butler County and is located in the southeast section of the state (close to the Bootheel region). It is the largest city in the county and is also a center for industry and retail business for the surrounding areas. Poplar Bluff is a member of the Ozark Foothills Solid Waste Management District (District Q). The Butler County Landfill is located approximately 6 miles northwest of Poplar Bluff and receives waste from Butler and the surrounding counties (St. Francois County in particular). Poplar Bluff is located along Highway 67 and is 153 miles south of St. Louis, 194 miles east of Springfield, and 360 miles southeast of Kansas City.

#### Demographics:

	<b>Butler County</b>	<b>St. Francois County</b>
Area (sq. miles)	697.46	450
Population (1990)	38,795	50,147
Density (per sq. mile)	56	112
Pop. Change since 1980	2.8%	17.7%
Number of households	15,229	17,670
Persons per household	2.49	2.59
High school graduates	31%	62.5%
Median Family Income	\$20,516	\$25,044
Percent below poverty level	25%	16.9%

### *Solid Waste Collection*

The City of Poplar Bluff relies on private haulers for city waste services. Private haulers have the option of offering curbside recycling, but are not doing so currently. There is no zoning or territories for haulers.

### *Solid Waste Disposal*

Butler County Landfill is the only landfill in within District Q. The landfill accepts waste from Butler and the surrounding counties (Wayne, Stoddard, Ripley, St. Francois, etc.). The landfill receives approximately 104,000 tons of waste per year and the current tipping fee as of November 1997 is \$32.00 per ton.

### *Waste Reduction and Recycling Programs*

There are three major waste reduction programs offered by District Q to all cities in the District. These programs include a white-goods pickup , at least one drop-off site, and curbside pickup. An Institutional Generators Program was offered in October 1997 and will target mid-sized institutions who produce moderate amounts of commercial recyclables (schools, nursing homes, etc.). There are no current education programs or household hazardous waste facilities.

### *Butler County Landfill Results*

Information about sample size and composition are listed in tables 15-1 to 15-8.

**All weights are listed in pounds and all volumes are in cubic feet.**

## **SORT #1**

### **Sort Conditions**

The first sort was conducted February 3-5, 1997. An area just above the tipping cell (on a gravel road) was the sort location. The weather was rainy and cooler, so fewer samples were collected and the weight of the samples were heavier than usual.

<b>Statistics</b>	
<b>Estimated MSW (lbs) Collected by Site During Sampling Period</b>	1,781,380
<b>Total Sample Weight (lbs)</b>	2625
<b>Significance Test Results</b>	.000
<b>Number of Samples Collected</b>	10

<b>OTHER WASTE CATEGORIES</b>			
<b>Over-the-counter Medication (OTC)</b>	5	<b>Beauty/Hygiene Aerosol Products</b>	0
<b>Prescription Medication (Rx)</b>	3	<b>Household Cleaning Aerosol Products</b>	0
<b>Beauty/Hygiene Products</b>	8	<b>Gardening/Yard Care Products</b>	0
<b>Household Cleaning Products</b>	0	<b>Pet Groom Products</b>	0
<b>Sharps/Blades</b>	1	<b>Disposable Razors</b>	17
<b>Syringes</b>	10	<b>Alkaline Batteries</b>	9
<b>Hardware/Shop Products</b>	0	<b>Automobile Maintenance/Cleaning Products</b>	1
<b>Aerosol Cans</b>	4		
<b>Miscellaneous items:</b> 1 tube of contour putty, 13 bottles of gloss enamel, 1 package of bottle rockets, 1 container of propane.			
<b>Total Weight (lb): 10.5</b>			
<b>Total Volume (cubic ft.): .5</b>			

**BUTLER COUNTY LANDFILL (POPLAR BLUFF)  
SORT #1**

Sample #	Sample Size		Composition		Recycling Activities	Collection Location
	Weight	Volume	Res.	Comm.		
1	249.1	50.9	5%	95%	Drop-off/curbside	Poplar Bluff (city)
2	158.6	45.4	95%	5%	Drop-off	Butler Co. (rural locations)
3	258.1	52.5	95%	5%	Drop-off	Butler Co. (rural locations)
4	241.6	43.7	80%	20%	Curbside	Piedmont and surrounding areas
5	281.1	60.3	90%	10%	Drop-off/curbside	Poplar Bluff (rural)
6	277.6	46.4	100%	0%	Curbside	Ellsinore (in town)
7	275.6	42.3	90%	10%	Drop-off/curbside	Greenville (rural)
8	300.1	60.3	100%	0%	Drop-off/curbside	Poplar Bluff (in town)
9	328.6	55.3	20%	80%	Drop-off/curbside	Neelyville (rural)
10	255.1	44	50%	50%	None	Puxico and surrounding areas (mix)
<b>TOTALS</b>	<b>2625.5</b>	<b>500.9</b>				
<b>AVERAGE</b>	<b>262.55</b>	<b>50.09</b>	<b>72%</b>	<b>28%</b>		

**BUTLER COUNTY LANDFILL (POPLAR BLUFF)**

**SORT # 1**

CATEGORY	TOTALS		AVERAGE		PERCENTAGE	
	wt.	vol.	wt.	vol.	Pct. by wt.	Pct. by vol.
Cardboard	154.0	49.5	15.4	5.0	5.87%	9.88%
Newsprint	179.5	23.4	18.0	2.3	6.84%	4.67%
Magazines	97.0	8.2	9.7	0.8	3.70%	1.64%
High Grade	109.0	21.6	10.9	2.2	4.15%	4.31%
Mixed	444.5	94.3	44.5	9.4	16.93%	18.82%
<b>PAPER TOTALS</b>	<b>984.0</b>	<b>197.0</b>	<b>98.4</b>	<b>19.7</b>	<b>37.49%</b>	<b>39.32%</b>
Clear	60.0	5.1	6.0	0.5	2.29%	1.02%
Brown	26.5	3.3	2.7	0.3	1.01%	0.66%
Green	14.5	1.0	1.5	0.1	0.55%	0.20%
Other	32.0	2.8	3.2	0.3	1.22%	0.56%
<b>GLASS TOTALS</b>	<b>133.0</b>	<b>12.2</b>	<b>13.3</b>	<b>1.2</b>	<b>5.07%</b>	<b>2.44%</b>
Alum. Cans	36.0	11.3	3.6	1.1	1.37%	2.26%
Other Alum	31.0	11.8	3.1	1.2	1.18%	2.36%
Non ferrous	9.5	0.6	1.0	0.1	0.36%	0.12%
Food Cans	108.0	25.9	10.8	2.6	4.11%	5.17%
Ferrous	30.0	4.3	3.0	0.4	1.14%	0.85%
Oil Filters	0.0	0.0	0.0	0.0	0.00%	0.00%
<b>METAL TOTALS</b>	<b>214.5</b>	<b>53.9</b>	<b>21.5</b>	<b>5.4</b>	<b>8.17%</b>	<b>10.76%</b>
PET # 1	43.5	16.0	4.4	1.6	1.66%	3.19%
HDPE # 2	48.0	22.5	4.8	2.2	1.83%	4.48%
Film	104.5	41.7	10.5	4.2	3.98%	8.33%
Other Plastic	161.0	61.6	16.1	6.2	6.13%	12.30%
<b>PLASTIC TOTALS</b>	<b>357.0</b>	<b>141.8</b>	<b>35.7</b>	<b>14.2</b>	<b>13.60%</b>	<b>28.30%</b>
Food Waste	548.5	50.0	54.9	5.0	20.90%	9.98%
Wood Waste	9.0	1.3	0.9	0.1	0.34%	0.26%
Textiles	90.0	11.0	9.0	1.1	3.43%	2.20%
Diapers	124.5	12.6	12.5	1.3	4.74%	2.52%
Other Organics	72.5	12.9	7.3	1.3	2.76%	2.58%
<b>ORGANIC TOTALS</b>	<b>844.5</b>	<b>87.8</b>	<b>84.5</b>	<b>8.8</b>	<b>32.17%</b>	<b>17.53%</b>
Fines	50.0	5.6	5.0	0.6	1.90%	1.12%
Other Inorganics	31.5	2.2	3.2	0.2	1.20%	0.44%
<b>INORGANIC TOTALS</b>	<b>81.5</b>	<b>7.8</b>	<b>8.2</b>	<b>0.8</b>	<b>3.10%</b>	<b>1.56%</b>
<b>OTHER WASTE</b>	<b>10.5</b>	<b>0.5</b>	<b>1.1</b>	<b>0.1</b>	<b>0.40%</b>	<b>0.10%</b>
<b>GRAND TOTAL</b>	<b>2625.0</b>	<b>500.9</b>	<b>262.5</b>	<b>50.1</b>	<b>100.00%</b>	<b>100.00%</b>

TABLE 15-2

## **SORT #2**

### **Sort Conditions**

The second sort was conducted April 28-29, 1997. The sort location was the same as in Sort #1. The weather was sunny, mild and windy.

<b>Statistics</b>	
<b>Estimated MSW (lbs) Collected by Site During Sampling Period</b>	1,781,380
<b>Total Sample Weight (lbs)</b>	2374.6
<b>Significance Test Results</b>	.000
<b>Number of Samples Collected</b>	10

<b>OTHER WASTE CATEGORIES</b>			
<b>Over-the-counter Medication (OTC)</b>	7	<b>Beauty/Hygiene Aerosol Products</b>	1
<b>Prescription Medication (Rx)</b>	13	<b>Household Cleaning Aerosol Products</b>	2
<b>Beauty/Hygiene Products</b>	12	<b>Gardening/Yard Care Products</b>	0
<b>Household Cleaning Products</b>	1	<b>Pet Groom Products</b>	0
<b>Sharps/Blades</b>	0	<b>Disposable Razors</b>	18
<b>Syringes</b>	11	<b>Alkaline Batteries</b>	9
<b>Hardware/Shop Products</b>	1	<b>Automobile Maintenance/Cleaning Products</b>	0
<b>Aerosol Cans</b>	0		
<b>Miscellaneous items:</b> 1 polar pack (ice pack), 1 thermometer.			
<b>Total Weight (lb): 13.0</b>			
<b>Total Volume (cubic ft.): .5</b>			

**BUTLER COUNTY LANDFILL (POPLAR BLUFF) SORT # 2**

CATEGORY	TOTALS		AVERAGE		PERCENTAGE	
	wt.	vol.	wt.	vol.	Pct. by wt.	Pct. by vol.
Cardboard	157.1	54.2	15.7	5.4	6.62%	10.51%
Newsprint	169.5	25.0	17.0	2.5	7.14%	4.85%
Magazines	82.6	10.4	8.3	1.0	3.48%	2.02%
High Grade	71.8	18.0	7.2	1.8	3.02%	3.49%
Mixed	322.6	82.4	32.3	8.2	13.59%	15.97%
<b>PAPER TOTALS</b>	<b>803.6</b>	<b>190.0</b>	<b>80.4</b>	<b>19.0</b>	<b>33.84%</b>	<b>36.83%</b>
Clear	69.3	6.0	6.9	0.6	2.92%	1.16%
Brown	29.6	3.0	3.0	0.3	1.25%	0.58%
Green	13.6	0.6	1.4	0.1	0.57%	0.12%
Other	19.1	1.7	1.9	0.2	0.80%	0.33%
<b>GLASS TOTALS</b>	<b>131.6</b>	<b>11.3</b>	<b>13.2</b>	<b>1.1</b>	<b>5.54%</b>	<b>2.19%</b>
Alum. Cans	31.2	10.8	3.1	1.1	1.31%	2.09%
Other Alum	20.7	6.2	2.1	0.6	0.87%	1.20%
Non ferrous	8.5	0.9	0.9	0.1	0.36%	0.17%
Food Cans	102.4	20.4	10.2	2.0	4.31%	3.95%
Ferrous	28.1	3.9	2.8	0.4	1.18%	0.76%
Oil Filters	0.0	0.0	0.0	0.0	0.00%	0.00%
<b>METAL TOTALS</b>	<b>190.9</b>	<b>42.2</b>	<b>19.1</b>	<b>4.2</b>	<b>8.04%</b>	<b>8.18%</b>
PET # 1	44.4	20.8	4.4	2.1	1.87%	4.03%
HDPE # 2	62.5	29.0	6.3	2.9	2.63%	5.62%
Film	80.7	48.0	8.1	4.8	3.40%	9.30%
Other Plastic	174.5	67.5	17.5	6.8	7.35%	13.08%
<b>PLASTIC TOTALS</b>	<b>362.1</b>	<b>165.3</b>	<b>36.2</b>	<b>16.5</b>	<b>15.25%</b>	<b>32.04%</b>
Food Waste	509.8	49.0	51.0	4.9	21.47%	9.50%
Wood Waste	13.1	2.6	1.3	0.3	0.55%	0.50%
Textiles	73.0	16.0	7.3	1.6	3.07%	3.10%
Diapers	93.2	10.3	9.3	1.0	3.92%	2.00%
Other Organics	77.8	15.2	7.8	1.5	3.28%	2.95%
<b>ORGANIC TOTALS</b>	<b>766.9</b>	<b>93.1</b>	<b>76.7</b>	<b>9.3</b>	<b>32.30%</b>	<b>18.05%</b>
Fines	54.6	8.6	5.5	0.9	2.30%	1.67%
Other Inorganics	51.9	4.4	5.2	0.4	2.19%	0.85%
<b>INORGANIC TOTALS</b>	<b>106.5</b>	<b>13.0</b>	<b>10.7</b>	<b>1.3</b>	<b>4.48%</b>	<b>2.52%</b>
<b>OTHER WASTE</b>	<b>13.0</b>	<b>0.5</b>	<b>1.3</b>	<b>0.1</b>	<b>0.55%</b>	<b>0.10%</b>
<b>GRAND TOTAL</b>	<b>2374.6</b>	<b>515.9</b>	<b>237.5</b>	<b>51.6</b>	<b>100.00%</b>	<b>100.00%</b>

TABLE 15-4

**BUTLER COUNTY LANDFILL (POPLAR BLUFF)**  
**SORT # 2**

Sample #	Sample Size		Composition		Recycling Activities	Collection Location
	Weight	Volume	Res.	Comm.		
1	229.7	50.6	100%	0%	Drop-off	Poplar Bluff
2	244.6	58	100%	0%	Drop-off	Poplar Bluff
3	269.8	56.2	70%	30%	Drop-off	Poplar Bluff (general area)
4	250.3	57	70%	30%	Drop-off	Poplar Bluff (general area)
5	241.6	46.4	100%	0%	Drop-off	Poplar Bluff and county area)
6	166.8	46.3	100%	0%	Drop-off	Poplar Bluff and county area)
7	259	55.6	100%	0%	Both	Mountain View
8	213.3	48.4	100%	0%	Both	Mountain View
9	266.7	52.6	100%	0%	Drop-off	Poplar Bluff
10	232.8	44.8	100%	0%	Drop-off	Poplar Bluff
<b>TOTALS</b>	<b>2374.6</b>	<b>515.9</b>				
<b>AVERAGE</b>	<b>237.46</b>	<b>51.6</b>	<b>94%</b>	<b>6%</b>		

TABLE 15-3

### Sort #3

The third sort was conducted October 13-16, 1997. An area next to the tipping cell was selected as the sort location. The weather was rainy and cool.

Statistics	
Estimated MSW (lbs) Collected by Site During Sampling Period	1,781,380
Total Sample Weight (lbs)	3145.5
Significance Test Results	.000
Number of Samples Collected	12

OTHER WASTE CATEGORIES			
Over-the-counter Medication (OTC)	3	Beauty/Hygiene Aerosol Products	1
Prescription Medication (Rx)	2	Household Cleaning Aerosol Products	0
Beauty/Hygiene Products	1	Gardening/Yard Care Products	0
Household Cleaning Products	2	Pet Groom Products	0
Sharps/Blades	3	Disposable Razors	24
Syringes	19	Alkaline Batteries	50
Hardware/Shop Products	0	Automobile Maintenance/Cleaning Products	0
Aerosol Cans	2		
Miscellaneous items: 1 book of matches.			
Total Weight (lb): 9.2			
Total Volume (cubic ft.): 0.3			

**BUTLER COUNTY LANDFILL (POPLAR BLUFF)  
SORT # 3**

Sample #	Sample Size		Composition		Recycling Activities	Collection Location
	Weight	Volume	Res.	Comm.		
1	301.9	57.5	50%	50%	None	Puxico
2	288.3	58.3	90%	10%	None	Fisk
3	304.8	58.2	95%	5%	Drop-off	Poplar Bluff
4	339.7	58.8	95%	5%	Drop-off	Poplar Bluff
5	290.8	52	90%	10%	Drop-off	Poplar Bluff
6	220.1	48.8	90%	10%	Drop-off	Poplar Bluff
7	237	48.9	90%	10%	Drop-off	Poplar Bluff
8	234.2	62.4	90%	10%	Drop-off	Poplar Bluff
9	247.9	54	100%	0%	Curbside/Drop-off	Piedmont
10	215.2	54.75	100%	0%	Drop-off	Poplar Bluff
11	237.8	66.25	95%	5%	Drop-off	Broseley (rural), Poplar Bluff
12	219.1	48.1	50%	50%	Curbside/Drop-off	Mountain View
<b>TOTALS</b>	<b>3145.5</b>	<b>668</b>				
<b>AVERAGE</b>	<b>262.125</b>	<b>55.7</b>	<b>86%</b>	<b>14%</b>		

TABLE 15-5

**BUTLER COUNTY LANDFILL (POPLAR BLUFF)**

**SORT # 3**

CATEGORY	TOTALS		AVERAGE		PERCENTAGE	
	wt.	vol.	wt.	vol.	Pct. by wt.	Pct. by vol.
Cardboard	210.0	70.3	17.5	5.9	6.68%	10.51%
Newsprint	220.0	35.9	18.3	3.0	6.99%	5.36%
Magazines	173.0	17.0	14.4	1.4	5.50%	2.54%
High Grade	82.1	19.5	6.8	1.6	2.61%	2.91%
Mixed	467.5	114.0	39.0	9.5	14.86%	17.06%
<b>PAPER TOTALS</b>	<b>1152.6</b>	<b>256.5</b>	<b>96.0</b>	<b>21.4</b>	<b>36.64%</b>	<b>38.38%</b>
Clear	108.8	5.5	9.1	0.5	3.46%	0.82%
Brown	42.7	3.1	3.6	0.3	1.36%	0.46%
Green	9.1	1.1	0.8	0.1	0.29%	0.16%
Other	22.5	1.6	1.9	0.1	0.72%	0.24%
<b>GLASS TOTALS</b>	<b>183.1</b>	<b>11.2</b>	<b>15.3</b>	<b>0.9</b>	<b>5.82%</b>	<b>1.68%</b>
Alum. Cans	53.4	21.6	4.5	1.8	1.70%	3.23%
Other Alum	24.2	6.9	2.0	0.6	0.77%	1.03%
Non ferrous	5.2	0.7	0.4	0.1	0.16%	0.10%
Food Cans	132.1	25.1	11.0	2.1	4.20%	3.76%
Ferrous	41.9	6.0	3.5	0.5	1.33%	0.90%
Oil Filters	2.0	0.1	0.2	0.0	0.06%	0.01%
<b>METAL TOTALS</b>	<b>258.8</b>	<b>60.4</b>	<b>21.6</b>	<b>5.0</b>	<b>8.23%</b>	<b>9.04%</b>
PET # 1	60.2	34.5	5.0	2.9	1.91%	5.16%
HDPE # 2	71.6	45.7	6.0	3.8	2.28%	6.84%
Film	129.4	64.3	10.8	5.4	4.11%	9.61%
Other Plastic	183.2	85.5	15.3	7.1	5.82%	12.79%
<b>PLASTIC TOTALS</b>	<b>444.4</b>	<b>229.9</b>	<b>37.0</b>	<b>19.2</b>	<b>14.13%</b>	<b>34.40%</b>
Food Waste	591.9	54.5	49.3	4.5	18.82%	8.15%
Wood Waste	19.5	3.9	1.6	0.3	0.62%	0.58%
Textiles	99.4	17.5	8.3	1.5	3.16%	2.62%
Diapers	150.5	9.6	12.5	0.8	4.78%	1.43%
Other Organics	60.5	10.4	5.0	0.9	1.92%	1.56%
<b>ORGANIC TOTALS</b>	<b>921.8</b>	<b>95.8</b>	<b>76.8</b>	<b>8.0</b>	<b>29.30%</b>	<b>14.34%</b>
Fines	119.1	10.6	9.9	0.9	3.79%	1.58%
Other Inorganics	56.6	3.6	4.7	0.3	1.80%	0.54%
<b>INORGANIC TOTALS</b>	<b>175.7</b>	<b>14.2</b>	<b>14.6</b>	<b>1.2</b>	<b>5.59%</b>	<b>2.12%</b>
<b>OTHER WASTE</b>	<b>9.2</b>	<b>0.3</b>	<b>0.8</b>	<b>0.03</b>	<b>0.29%</b>	<b>0.04%</b>
<b>GRAND TOTAL</b>	<b>3145.5</b>	<b>668.3</b>	<b>262.1</b>	<b>55.7</b>	<b>100.00%</b>	<b>100.00%</b>

TABLE 15-6

## **SORT SUMMARY**

### **Seasonal variations**

- The food waste and fines categories were higher in the third round of sorts than round one or two. This was due to the large number of fast food routes collected in this sampling period.
- Food waste and diapers were slightly higher. This seems to be the tendency in areas that are predominately rural.
- The paper totals were larger in the third round due to heavy rains (the water makes the paper heavier).

### **Sort results**

- Chart 15-1 graphically compares the three seasonal sort results and shows the average waste composition, by major category, for Poplar Bluff.
- The sample data for all Poplar Bluff waste sorts are listed on Table 15-7.
- The sort results for Poplar Bluff are listed on Table 15-8.
- The summary of statistical relevance for the Poplar Bluff sorts is located on page 244.
- The total for all “other wastes” found during the Poplar Bluff sorts is on page 244.

**All weights are in pounds and volumes are listed in cubic feet.**

Comparisons of the Poplar Bluff's waste stream to previous studies and other communities can be found in Chapter 24.

# POPLAR BLUFF RESULTS BY WEIGHT

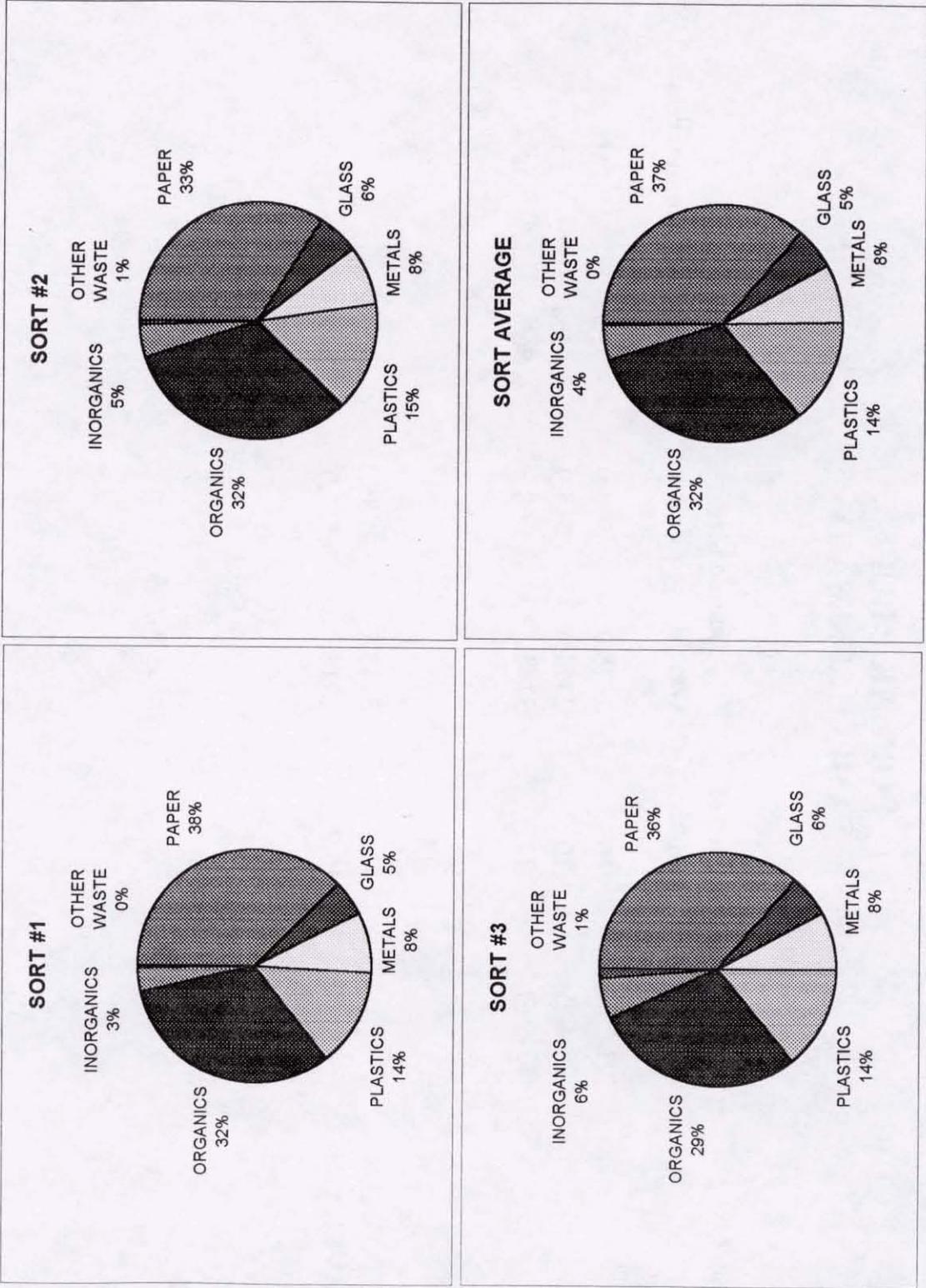


CHART 15-1

CATEGORY	<b>POPLAR BLUFF</b>						<b>SUMMARY</b>	
	SORT # 1		SORT # 2		SORT # 3		AVERAGE	
	WT.	VOL.	WT.	VOL.	WT.	VOL.	WT.	VOL.
Cardboard	5.9%	9.9%	6.6%	10.5%	6.7%	10.5%	6.4%	10.3%
Newsprint	6.8%	4.7%	7.1%	4.9%	7.0%	5.4%	7.0%	5.0%
Magazines	3.7%	1.6%	3.5%	2.0%	5.5%	2.5%	4.3%	2.1%
High Grade	4.2%	4.3%	3.0%	3.5%	2.6%	2.9%	3.2%	3.5%
Mixed	16.9%	18.8%	13.6%	16.0%	14.9%	17.1%	15.2%	17.3%
<b>PAPER TOTALS</b>	<b>37.5%</b>	<b>39.3%</b>	<b>33.8%</b>	<b>36.9%</b>	<b>36.6%</b>	<b>38.4%</b>	<b>36.2%</b>	<b>38.2%</b>
Clear	2.3%	1.0%	2.9%	1.2%	3.5%	0.8%	2.9%	1.0%
Brown	1.0%	0.7%	1.2%	0.6%	1.4%	0.5%	1.2%	0.6%
Green	0.6%	0.2%	0.6%	0.1%	0.3%	0.2%	0.5%	0.2%
Other	1.2%	0.6%	0.8%	0.3%	0.7%	0.2%	0.9%	0.4%
<b>GLASS TOTALS</b>	<b>5.1%</b>	<b>2.4%</b>	<b>5.5%</b>	<b>2.2%</b>	<b>5.8%</b>	<b>1.7%</b>	<b>5.5%</b>	<b>2.1%</b>
Alum. Cans	1.4%	2.3%	1.3%	2.1%	1.7%	3.2%	1.5%	2.6%
Other Alum	1.2%	2.4%	0.9%	1.2%	0.8%	1.0%	0.9%	1.5%
Non ferrous	0.4%	0.1%	0.4%	0.2%	0.2%	0.1%	0.3%	0.1%
Food Cans	4.1%	5.2%	4.3%	4.0%	4.2%	3.8%	4.2%	4.2%
Ferrous	1.1%	0.9%	1.2%	0.8%	1.3%	0.9%	1.2%	0.8%
Oil Filters	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
<b>METAL TOTALS</b>	<b>8.2%</b>	<b>10.8%</b>	<b>8.0%</b>	<b>8.2%</b>	<b>8.2%</b>	<b>9.0%</b>	<b>8.2%</b>	<b>9.3%</b>
PET # 1	1.7%	3.2%	1.9%	4.0%	1.9%	5.2%	1.8%	4.2%
HDPE # 2	1.8%	4.5%	2.6%	5.6%	2.3%	6.8%	2.2%	5.8%
Film	4.0%	8.3%	3.4%	9.3%	4.1%	9.6%	3.9%	9.1%
Other Plastic	6.1%	12.3%	7.3%	13.1%	5.8%	12.8%	6.4%	12.7%
<b>PLASTIC TOTALS</b>	<b>13.6%</b>	<b>28.3%</b>	<b>15.2%</b>	<b>32.1%</b>	<b>14.1%</b>	<b>34.4%</b>	<b>14.3%</b>	<b>31.9%</b>
Food Waste	20.9%	10.0%	21.5%	9.5%	18.8%	8.2%	20.3%	9.1%
Wood Waste	0.3%	0.3%	0.6%	0.5%	0.6%	0.6%	0.5%	0.5%
Textiles	3.4%	2.2%	3.1%	3.1%	3.2%	2.6%	3.2%	2.6%
Diapers	4.7%	2.5%	3.9%	2.0%	4.8%	1.4%	4.5%	1.9%
Other Organics	2.8%	2.6%	3.3%	2.9%	1.9%	1.6%	2.6%	2.3%
<b>ORGANIC TOTALS</b>	<b>32.2%</b>	<b>17.5%</b>	<b>32.3%</b>	<b>18.1%</b>	<b>29.3%</b>	<b>14.3%</b>	<b>31.2%</b>	<b>16.4%</b>
Fines	1.9%	1.1%	2.3%	1.7%	3.8%	1.6%	2.8%	1.5%
Other Inorganics	1.2%	0.4%	2.2%	0.9%	1.8%	0.5%	1.7%	0.6%
<b>INORGANIC TOTALS</b>	<b>3.1%</b>	<b>1.6%</b>	<b>4.5%</b>	<b>2.5%</b>	<b>5.6%</b>	<b>2.1%</b>	<b>4.5%</b>	<b>2.1%</b>
<b>OTHER WASTE</b>	<b>0.4%</b>	<b>0.1%</b>	<b>0.5%</b>	<b>0.1%</b>	<b>1.4%</b>	<b>0.3%</b>	<b>0.4%</b>	<b>0.1%</b>
<b>SORT TOTALS</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

TABLE 15-8

Poplar Bluff Statistical Summary	
Estimated MSW (lbs) Collected by Site During Sampling Period	5,344,140
Total Sample Weight (lbs)	8145.6
Significance Test Results	.000
Number of Samples Collected	32
Mean Sample (lbs) and Confidence Interval (95%)	253.52 (+/-) 14.37

Poplar Bluff "Other Waste" Summary			
Over-the-counter Medication (OTC)	15	Beauty/Hygiene Aerosol Products	2
Prescription Medication (Rx)	18	Household Cleaning Aerosol Products	2
Beauty/Hygiene Products	21	Gardening/Yard Care Products	0
Household Cleaning Products	3	Pet Groom Products	0
Sharps/Blades	4	Disposable Razors	59
Syringes	40	Alkaline Batteries	68
Hardware/Shop Products	1	Automobile Maintenance/Cleaning Products	1
Aerosol Cans	6		
<b>Miscellaneous items:</b> 1 tube of contour putty, 13 bottles of gloss enamel, 1 package of bottle rockets, 1 container of propane.,1 polar pack (ice pack), 1 thermometer, 1 book of matches..			
<b>Total Weight (lb): 32.7</b> <b>Total Volume (cubic ft.): 1.3</b>			