## LITTER SURVEY IN VIRGINIA

by

Stephen N. Runkle Research Analyst

(The opinions, findings, and conclusions expressed in this report are those of the author and not necessarily those of the sponsoring agencies.)

Virginia Highway & Transportation Research Council
(A Cooperative Organization Sponsored Jointly by the Virginia
Department of Highways & Transportation and
the University of Virginia)
Charlottesville, Virginia
September 1976
VHTRC 77-R8

#### **ABSTRACT**

This report summarizes the findings of the litter survey for highways, urban areas, and recreational areas as specified in the "Virginia Litter Control Act". Litter samples from 61 highway sites, 11 urban sites, and 10 recreational sites geographically distributed throughout the state were obtained and sorted into categories as indicated in Table 1 of the report. Item count, volume, and weight were determined for each category for each litter sample.

For analysis purposes, data were summarized into product group categories for highways, urban areas, and recreational areas. These summarized data are shown in Tables 9, 10 and 11. While the percentage contributions vary somewhat between the types of areas mentioned, the same ten product groups account for approximately 80% or more of the litter for each type of area.

Statewide litter proportions by product groups were estimated for all types of areas combined, assuming various proportional contributions from each area type. These combined data, as shown in Tables 12-15, indicate that beer products (bottles, cans, cartons) constitute the largest proportion of litter, being about 29% by item count, 41% by weight, and 27% by volume. The next four major contributions by product group are soft drink products, grocery wrappers and containers, prepared food wrappers and containers, and snack food wrappers and containers, with the order of importance being different by item count, weight, and volume.

## LITTER SURVEY IN VIRGINIA

by

Stephen N. Runkle Research Analyst

### INTRODUCTION

During its last session, the General Assembly of Virginia passed the "Virginia Litter Control Act" (see Appendix), which in part assigned to the Department of Highways and Transportation the responsibility for conducting a survey of the types and kinds of litter being discarded in violation of the laws of the state. Important aspects of Section 10-201 of the Act considered relevant to the litter survey are indicated below.

- 1. The survey was to be completed by November 30, 1976.
- 2. The survey should include litter found throughout the state, including standard metropolitan statistical areas, and rural and recreational areas.
- 3. Results of the survey should indicate the amount of litter collected, and an analysis by item, weight, and volume, and, where practicable, the biodegradability of the types of products, packages, wrappings, and other containers composing the principal amounts of the litter collected.
- 4. The products whose packages, wrappings, and containers constitute the litter should include, but not be limited to, the following categories:
  - 1. Food for human or pet consumption
  - 2. Groceries
  - 3. Cigarettes and tobacco products
  - 4. Soft drinks and carbonated waters
  - 5. Beer and other malt beverages
  - 6. Wine
  - 7. Newspapers and magazines
  - 8. Paper products and household paper
  - 9. Glass containers
  - 10. Metal containers
  - 11. Plastic or fiber containers made of synthetic material
  - 12. Cleaning agents and toiletries
  - 13. Nondrug drugstore sundry products
  - 14. Distilled spirits
  - 15. Motor vehicle parts

In addition to stipulating the survey, the Litter Control Act also required that the Department of Conservation and Economic Development formulate a litter control program, and that the Department of Taxation develop a tax plan to fund the program that would place the burden on those industries that manufacture or handle products that contribute to the litter problem. Since the completion date for these last two requirements was also November 30, 1976, and since the tax plan developed must be dependent on the results of the litter survey, it was decided that the litter survey should be completed by August 15, 1976, with a report indicating the results to be available September 15, 1976.

### PURPOSE AND SCOPE

The primary purpose of this survey was to determine proportions of various types of litter as specified by the Litter Control Act.

The required completion date of August 15, 1976, imposed some limitations on the project. Litter collections necessarily took place during the spring and summer months, and thus the results likely reflect a seasonal bias whose magnitude is not known. In addition, any effects due to the bicentennial observance are not accounted for. Finally, because of the time constraint imposed, all litter sampled was collected in the normal collection procedures for the agency involved. For instance, samples from urban, incorporated areas were obtained from automated street sweepings or hand pickups normally performed.

It was not considered within the scope of this project to select samples in a manner and quantity required to predict litter item type proportions within prescribed confidence limits, although confidence levels are indicated in the discussion of the results. Instead, the selection of sampling locations was influenced basically by the desire to consider various highway types, as well as recreational and urban areas. To the extent possible, a randomization of locations was utilized for the highway samples. Also, representation of the various geographical areas within the state was desired.

The method of litter classification, the sampling procedures, and the survey results are discussed in the following three sections.

### LITTER CLASSIFICATION .

As stated above in the Introduction, the Virginia Litter Control Act indicated that litter be classified in at least 15 categories of items. An obvious reason for the classification is to enable equitable taxation of various industry groups for the funding of future litter control programs as indicated in Section 10-212 of the Act. On the basis of these factors, a detailed classification system was used. The general and subclassifications of the system used are shown in Table 1 (page 13). Notice that a subclassification may appear in more than one general classification as, for instance, grocery container, which may be paper, plastic, glass, or metal. The subclassifications were considered to be mutually exclusive so that an item was counted in only one. The system used allows for the summarization of the data in various ways - as, for example, by material types or product groups - depending on one's interest. The general classifications were chosen only to facilitate sorting, and as the study progressed some items were placed in subclassifications not entirely consistent with the material type. For instance, it was most convenient to classify oil cans with motor vehicle parts and not separately on the basis of the material the can was made from.

Most of the subclassifications are self-explanatory, but some discussion may clarify how certain items were classified.

Prepared food wrappers and containers - These items are usually associated with carryout restaurants such as chain hamburger operations and other fast food establishments.

Grocery wrappers and containers, and paper bags — Generally, an item in this classification would be a food container or wrapper of some sort, with the exception of the snack food items discussed below. Paper bags that could be identified as coming from a grocery store were included in the grocery classification.

Snack food wrappers and containers — Items in this category were normally paper or plastic bags or wrappers for products such as potato chips, nabs, or cookies. Obviously, the point of purchase of these items could be several sources, including vending machines.

Household paper or plastic - Items in these subclassifications would normally be paper towels, tissues, plastic food wrappers or bags, or plastic garbage can liners. To a lesser extent, items such as stationery and envelopes were included.

Other paper products - As indicated above, paper bags not identified as having come from a grocery store were counted under other paper products. The other subclassification with numerous items in this category was cardboard, much of which appeared to be utilized for packaging and shipping purposes.

Beer and soft drink can holders - These items are the plastic six-pack holders for soft drink and beer cans. No attempt was made to determine if the holder was utilized for beer or soft drink cans.

To achieve consistency from sample to sample, a crew of six people located at the Research Council sorted all samples obtained in the study. Normally the procedure was to sort major items such as bottles and cans near the sample location and to transport the remainder of the sample to Charlottesville for final sorting and weighing.

### SAMPLING

As discussed previously, all litter samples were collected by normal collection procedures utilizing personnel normally responsible for litter collection. Detailed sorting, as just indicated above, was performed by a crew from the Research Council.

In order to achieve the geographic balance desired, and to include recreational and urban areas, the sampling plan shown in Table 2 was developed at the beginning of the project. For various reasons some deviations from the proposed plan occurred as the study progressed. The actual sampling completed is shown in Table 3.

As shown, 82 samples were obtained in time to be included in the analysis presented in this report. Seventeen samples were unusable because of questionable collection procedures, improper identification, or disturbance of the samples in the storage area by animals. The greatest difference between the planned and actual sampling was for secondary roads and urban areas particularly shopping centers. It is felt that additional secondary road samples have been of only marginal value since 30 usuable samples were obtained, but additional urban samples would have been desirable had time permitted. For the usuable samples obtained, there was reasonably good geographic distribution throughout the state, particularly for the highway samples.

## SURVEY RESULTS

Locational information, the total number of items of litter, the total weight of the litter, the total volume of the litter, and the number of days the sample represents, i.e., the number of days since the last previous litter collection, were determined for each litter sample obtained and are included in a supplemental report entitled "Litter Survey in Virginia — Detailed Results".

For each usuable sample obtained, the litter was sorted as indicated in Table 1; and for each subclassification, the number of items of litter, the weight, and volume were determined. The item count was determined by simply counting the number of items in each subclassification after the sorting was completed. Weights for many of the subclassifications were determined by actual weighings; for the other subclassifications they were determined by conversion factors developed in the study. Volume was also determined by conversion factors developed in the study and, in order to represent the volume of litter as collected, it is intended to be defined as the volume of items of a given type as placed in a container without any compactive effort. The conversion factors determined are shown in Table 4.

duct group classifications by the various facility classifications for analysis purposes. An example of one of these summaries is shown in Figure 1, and the complete set is available for distribution in the supplemental report mentioned above. For inclusion in the present report, the data were further summarized into the general product group classifications as shown in Tables 5-7, 10, and 11. The summary procedure shown was agreed upon during a July 1976 meeting between the author and representatives from the Department of Taxation and the Department of Conservation and Economic Development. It should be mentioned that rounding errors at times cause total percentages, as shown in various tables, to be different from 100% by 0.2% or less.

# Highway Sample Results

Tables 5-7 show the survey results for the five highway classifications. Several things are evident from the results. First, the data are highly variable for product groups within each highway system as indicated by the standard deviations  $(\sigma)$ . Normally one could expect about 95% of the population to fall within ±2\sigma limits. Thus, because the standard error of the mean is related to the standard deviation by  $\sigma \bar{x} = \sigma / \sqrt{n}$ , larger sample sizes would be desirable in order to better predict the mean proportions for product groups, i.e., to reduce the standard error (ox). As an example, the 95% confidence limits for the estimated mean proportion for the beer product by item count for the secondary system (41.5%) is  $\pm 2\sigma \tilde{x}$ , or 3.8%, where the sample size is 30, and is  $\pm 7.6\%$  for the same product group for the urban interstate where the sample size is 7. In both cases the standard deviation  $(\sigma)$  is about 10.0%. It is worth noting that the variabilities do appear to be approximately equivalent by product group among the several highway classifications; thus in future surveys it may be desirable to have more balance in the sample sizes among the highway classifications.

Even though the data are variable, it is evident that proportions by product group change between highway classifications. For instance, beer products are clearly a higher proportion for the secondary system than for the interstate system. Thus, as will be discussed later, in order to combine the results for a single highway summary, it is necessary to consider the quantities of litter discarded annually on each highway system. It does appear, however, that the distinctions within the interstate and primary systems (urban-rural, arterial-nonarterial) were not necessary since the results within these two systems were fairly close.

Generally, more than 80% of the litter is accounted for by the first 10 product groups shown (down through household paper and plastic products), whether evaluated by item count, weight, or volume. This fact, it would seem, would be an obvious consideration in the development of a tax plan. Obviously, the proportions by product group change somewhat, depending on whether the quantification method is item count, weight, or volume. Regardless, the beer product group accounts for the greatest proportion in each case, with the exception of the urban and rural interstate breakdown by weight, where the automotive parts or products group accounts for slightly more than the beer product category.

Because the beer and soft drink product groups account for a large share of the total litter deposited along high-ways, it was considered worthwhile to show the proportions for subclassifications within these general categories. As can be seen, cans account for the largest proportions, except by weight, when bottles account for the largest proportions. With regard to the actual numbers, i.e., item count, the number of cans far exceeds the number of bottles.

The proportions of returnable versus nonreturnable bottles were determined for both beer and soft drink bottles. It was found that essentially 100% of the beer bottles were nonreturnable (only two returnable beer bottles were found in all samples), and 85% of the soft drink bottles were nonreturnable.

For approximately the last 40% of the samples collected, it was decided to determine the proportions of aluminum versus non-aluminum cans. For beer cans, 41% were aluminum and for soft drink cans, 10% were found to be aluminum.

# Estimates of Annual Highway Litter and Combined Highway Sample

In order to combine the highway results, the most appropriate method of estimating litter quantities by highway system was evaluated. Since for the data collected in the study there

was no clear relationship between vehicle mileage driven and litter quantities, it was decided the best approach would be to assume that the samples for each system were representative in general for that system, and to estimate the annual quantity of litter by highway system on the basis of the mileage in that system.

Thus, for each of the highway samples, annual estimates for item count, weight, and volume were computed by determining the ratio of one year (365 days) to the number of days represented by the sample and multiplying by the total item count, weight, and volume for the sample. These values were then averaged and multiplied by two (since each sample was from a 0.5-mile section) to obtain average quantities per mile of road for each highway system. These values are shown in Table 8. Also shown in Table 8 are the system mileage, the total annual quantity of litter per system (mileage x quantity per mile), and the percentage of the total annual quantity for all highways represented by the system quantity.

Utilizing the percentage figures shown in Table 8, the various highway samples can be combined by multiplying the percentage values by the product group percentages in Tables 5-7. The resulting figures are shown in Table 9. Obviously, the figures are fairly close to the secondary system figures because of the very high quantities of litter attributed to that system. It should be noted that the estimates per mile for the urban interstate appear very high because of extremely large amounts of litter at three sites. While these estimates may or may not be accurate, they have little influence on the combined highway litter proportions because of the low mileage in the urban interstate system.

Before concluding the discussion of the highway samples, the annual estimates of cubic yards per mile of roadway as shown in Table 8 can be compared to estimates from other studies. In the "National Study of the Composition of Roadside Litter" it was estimated that on Virginia's primary and interstate system approximately 25 ft. 3 of litter per mile is generated monthly. (1) This figure equates to about 11.1 yd. 3 per mile annually, which is not too different from the 8.8 yd. $^3$ , 14.4 yd. $^3$ , and 10.1 yd.3 shown in this study for rural, interstate, arterial, primary, and nonarterial primary, respectively. In a recent study by the Maintenance Division of the Virginia Department of Highways and Transportation, the estimates were 7.7 yd.3, 9.85 yd.3, and 5.74 yd.3 per mile for the interstate, primary, and secondary systems, which figures also are in full agreement with the present results, with the exception of that for the secondary system. (2) The lower estimates in the Maintenance Division

study may be attributable to the fact that the litter was collected in the winter months, while in the current study it was collected in the spring and summer, when litter is likely to be higher. In the Maintenance Division study, the annual estimate of total litter was 329,685 yd.<sup>3</sup>, and in this study it was 947,049 yd.<sup>3</sup> No doubt, the best estimate could be somewhere between these two values, or about 640,000 yd.<sup>3</sup>

# Urban Sample Results

Initially, consideration was given to evaluating urban samples on the basis of the method of collection and location, i.e., by automated street sweepers, hand pickup, and shopping centers. However, because a preliminary review of the data indicated that the proportions by product group were fairly close, the results were summarized together as shown in Table 10. As shown, even after combining sample types, the standard deviations for product groups are generally less than for the highway samples.

As with the highway samples, the first 10 product groups account for about 80% of the total litter. However, as one might expect, the proportions by product group are different than for the highway samples, with beer and soft drink products being less important and some other product groups having a larger proportional contribution. As expected, a very small proportion was attributed to automotive parts or products.

Estimates of total annual litter quantities for urban areas were extremely difficult to make because of limited information and varied practices from area to area. Furthermore, any data obtained referred only to normal city pickup methods, and thus did not consider quantities collected privately in shopping centers and other areas. Despite the difficulties involved, an annual estimate of 140,000 yd. of litter was determined for public cleanup efforts based on data from three cities expanded to a statewide total on the basis of proportional population of the three cities to total population in incorporated areas. It is estimated that this figure may be as high as 230,000 yd. if private pickup in shopping centers and other areas is included.

# Recreational Area Results

As with the urban samples, the results of the recreational areas were all summarized together. The results are shown in Table 11. Again, the first ten product groups account for more

than 80% of the total litter. As would be expected, the larger proportions are associated with beer, soft drink, and food related product groups.

No annual estimates of litter quantities were made based directly on the study results, since no basis was established for making such estimates. However, in a previous study for the state of Washington, it was estimated that park and recreational areas accounted for about 5% of the litter (3). Thus, using the cubic yard estimates previously determined for highway and urban samples of 640,000 yd. and 230,000 yd. the estimated annual total for recreational area facilities would be about 46,000 yd. Obviously, then, the percentage attributed to highways would be 70%, and that to urban areas would be 25%.

# Combined Litter Proportion Estimates by Product Group

One of the primary reasons for making annual estimates of litter by highways, urban areas, and recreational areas was to combine these three groups of data to statewide proportions by product group. This approach was necessary since the proportions by product group differed somewhat among the three groups of data just as they differed among the highway systems. Obviously, a great deal of judgement was used in determining the total quantity estimates and the resulting percentages of litter attributed to highways, urban areas, and recreational areas. Nevertheless, it is felt the combined figures as shown in Table 12 based on 70%, 25%, and 5% proportions for highways, urban areas, and recreational areas, respectively, are the best estimates of litter proportions by product group presently available in Virginia.

Because of the judgement involved in determining the combined estimate, the proportions of total litter attributed to highways and urban areas were varied in order to indicate the change in the combined proportions. Data assuming proportions of

- (1) 65% highways, 30% urban areas, and 5% recreational areas;
- (2) 60% highways, 35% urban areas, and 5% recreational areas; and
- (3) 75% highways, 20% urban areas, and 5% recreational areas,

are shown in Tables 13, 14, and 15. As shown, the effect on the combined proportions is generally no more than 1% or 2%, with the greatest change being 4%.

### BIODEGRADABILITY

Of the items making up the major proportions of litter in Virginia, paper items are the only ones for which biodegradability may be a possibility. The biodegradability of the various paper items is dependent on the item itself as well as the environmental conditions prevailing where the item is located. Thus, it is most difficult to establish rates of biodegradability for various paper items. (No information of this type was found in available literature.) The product group classifications in which biodegradability may have the greatest effect are household paper, newspapers or magazines, and, to a lesser degree, prepared food and grocery. However, it is felt that, within the normal time cycles for litter pickup (daily up to a year or less), very few litter items biodegrade fully.

## REFERENCES

- 1. "A National Study of Roadside Litter", Summary of a Report from the Highway Research Board of the Division of Engineering, National Research Council, National Academy of Sciences—National Academy of Engineering, prepared by Research Triangle Institute, Research Triangle Park, North Carolina. Keep America Beautiful, Inc., 99 Park Avenue New York, New York 10016, October 1969.
- 2. Results of Litter Survey Conducted in January 1976, supplied by R. L. Fink, Virginia Department of Highways and Transportation, April 4, 1976.
- 3. "A Report on Litter in the State of Washington", submitted to the Washington State Pepartment of Ecology, Olympia, Washington, by the URS Company, Seattle, Washington. June 1975.

¢

## TABLE 1 Litter Classifications

General Classification	Subclassification
Paper	Newspaper and Magazines Prepared Food Wrappers and Containers Grocery: Wrappers and Containers Paper Bags Snack Food Wrappers and Containers Cleaning Agents and Toiletries Containers Other Paper Products: Paper bags Cardboard Miscellaneous Beer and Soft Drink Cartons
Plastic	Prepared Food Wrappers and Containers Beer and Soft Drink Can Holders Grocery Wrappers and Containers Tobacco: Product Wrappers and Containers Cleaning Agents and Toiletries Containers Household Products Other Plastic Products
Glass	Soft Drink Bottles: Returnable Nonreturnable Beer Bottles: Returnable Nonreturnable Wine Bottles Liquor Bottles Grocery Wrappers and Containers Tobacco Product Wrappers and Containers Cleaning Agents and Toiletries Containers Other Glass Products
Metal	Soft Drink Cans: Aluminum Non-aluminum Beer Cans: Aluminum Non-aluminum Tab Can Tops Grocery Wrappers and Containers Tobacco Product Wrappers and Containers Cleaning Agents and Toiletries Containers Other Containers Other Metal Containers
Motor Vehicle Parts	Glass Plastic Metal Tires or Tire Pieces Other Motor Vehicle Parts Oil Cans
Unwrapped Food Products	
Miscellaneous	

TABLE 2
PLANNED DISTRIBUTION OF LITTER SAMPLES

General Classification	Subclassification	No.	Size	Distribution
Highways (rural)	Interstate – Urban Interstate – Rural Primary – Arterial Primary – Nonarterial Secondary	8 8 8 8 5 4 5	0.5 mile 0.5 mile 0.5 mile 0.5 mile 0.5 mile	Evenly distributed throughout 8 highway districts
Urban	Automated Street Sweepers Areas cleaned by hand Shopping Centers	111	Variable - several miles Variable Variable	One sample from each of 11 cities*  " " " " " " " " " " " " " " " " " " "
Recreational	State Parks City Parks County Parks Beaches and Marinas	01 01 01 01	Variable Variable Variable Variable	Fairystone and Pocahontas State Parks One sample from each of 2 cities. One sample from each of 2 counties
Total Number of Samples		118		

\* Cities included were Norfolk, Virginia Beach, Alexandria, Charlottesville, Richmond, Roanoke, Danville, Winchester, Bristol, Waynesboro, and Norton.

TABLE 3
ACTUAL DISTRIBUTION OF LITTER SAMPLES

General Classification	Subclassification	Number of Samples Obtained	Number of Usable Samples		Sici	Distribution of Usable Samples	Usable San	ıples		
ilighways (rurai)	Interstate - Urban Intorstate - Rural Primary - Arterial Primary - Nonarterial Secondary	<b>⊱</b> ᢒ ૹ ૹ ૹ	r 6 8 6 6 6	Bristol* Sulem 1 1 1 1 1 1 1 3 4	Lymchluurg 0 0 0 1 1	Stumton Culpeper 0 1 2 2 2 2 1 1 1 1 1 1 1 3 6		lichmond 2 1 1 1 1 5	Nichmend Fredericksburg Suffolk 2 0 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rrg Suffolk 2 1 1 1 1 3
Urban	Automated Street Sveepers Areas Cleaned by Hand Shopping Centers	827	က က 🗝	Charlottesville 1 0 1	))anville 1 0 0	Bristol 0 2 0 0	Alexandria 2 2 0 0		Nocfolk 0 1 0 0	Richmond 1 0 0
Recreational	State Parks City Parks, Playgrounds Zoo Botanical Gardens Beach	8) XX		Pocahontas State Park Charlottesville (3), Danville (1), Norfolk (2), Winehester (1) Norfolk Norfolk	e Park (3), Danville	(1), Norfolk	(2), Winch	ester (1)		3
Totals		100	2.8							

\* Eight Highway Construction Districts

TABLE 4 Conversion Factors for Weight and Volume

	" ITEM	Lb./Item	Lb./Ft.3	No./Ft3
Paper:	Newspaper Prepared Food Wrappers or Containers Paper Bags — Grocery Snack Food Wrappers or Containers Grocery Wrappers or Containers Beer and Soft Drink Cartons Tabocco Items Household Paper Paper Bags — Other than Grocery Other Paper Cardboard		0.84 1.04 0.66 1.14 1.18 2.22 2.54 1.27 1.74 2.06 2.14	
Plastie:	Prepared Food Wrappers or Containers Grocery Wrappers or Containers Cleaning Agents or Toiletries Six-Pack Helders Other Plastic Household Plastic		0.62 0.90 2.42 0.60 1.28 1.26	
Glass:	Returnable Beer and Soft Drink Bottles Nonreturnable Soft Drink Bottles Nonreturnable Beer Bottles Wine Bottles Liquor Bottles Grocery Containers Other Glass	0.99 0.45 0.47 1.03 0.86 0.46	    62,50	30.00 34.00 36.40 16.00 24.40 30.40
Metal:	Beer and Soft Drink Cans - Aluminum Beer and Soft Drink Cans - Non-Aluminum Grocery Containers Other Metal Aluminum Foil Oil Cans, Etc.	0.06 0.12 0.12	5.77 2.34	39.60 39.60 59.20 - - 18.40
Auto:	Plastic Metal Tire (Whole) Tire Parts		4,54 14,78 - 23,20	- 0.45 -
Other:	Building Materials, Etc. Cloth		6,89 5,58	-

TABLE 5

LITTER SURVEY RESULTS FOR HIGHWAYS BY ITEM COUNT RENCENTAGE BY PRODUCT GROUPS

: :		Urban Sample	Urban Interstate Sample Size = 7	* 0) -	Ru	Rural Interstate $N = 9$	erstat	e)	A	Arterial Primary N = 8	Prim = 8	ary	None	arteria N	Nonarterial Primary N = 7	nary		Secondary N = 30	ary 0	
Classification	Avg.	Standard S	Standard	Standard Standard Summation	l>	۲		1>	1>	٤	13	13	1;	,	13.5	1	"			4
	Ų.	De via mon	1011		٠.					>			×	>	<b>×</b>	×.	×	р Б	 <b>×</b>	× W
Beer: Cans	12.6	7.9	3.0		16.5		3.0		21.1	7.2	2.5		22.9		3.1		31.7	9.5	1.7	
Bottles	3.6	2.2	0.8		3.2		0.6		6.8	2.8	1.0	_	5.5	3.0	1.1	-		4.1	0.7	
Cartons ·	0.4	0.3	0.1		0.4	0.3	0.1			0.4	0.1		1.1	0.7	0.3		1.9	1.3	0.2	
Total Beer:	16.7	10.0	3.8	16.7	20.1	9.9	3.3	20.1	28.8	7.2	2.6	28.8	29.6		3, 7	29.6		10.5	1.9	41.5
Soft Drink: Cans	4.8	2.8	1.1		7.5	3.1	1.0		10.3	9.7	2.7		6.1	2,9	1.1		7.1	4.7	6.0	
Bottles	1.7	1.2	0.4		1.6	1.1	0.4		3.2	1.4	0.5		2.5	2.1	8.0		3.0	2.1	0.4	
Cartons	0.0	}	f		0.0	1	1		0.1	0.1	0.4		0.1	0.3	0.1		0.2	1.0	0.2	
Total Soft Drink;	6,5	3.1	1.2	23.2	9.2	3.7	1.2	29.3	13.6	7.4	2.6	42.4	8.8	3.0	1.1	38.4	10.4	4.9	0.9	51.9
Other Beer or Soft Drink Items	8.0	0.8	0.3	24.0	0.9	1.1	0.4	30.2	3.6	8.7	2.7	46.0.	1.3	1.0	0.4	39.7		1.8	0.3	53.7
Grocery	6.7	2.0	8.0	.30.7	5.9	2.0	0.7	36.1	8.1	1.6	0.6	54.1	9.6	4.1	1.6	49.3	10.5	3.3	0.6	64.2
Prepared Food	13.4	3.0	1.1	44.1	11.5	5.2	1.7	47.6	11.3	4.8	1.7	65.4	12.6	4.6	1.7	61.9		7.4	1.3	76.2
Snack Food	5.0	2.3	0.9	49.1	7.2	3.4	1.1	54.8	5.4	2.2	0.8	8.07	9.5	4.3	1.6	71.4	6.0	5.0	6.0	82.2
Tobacco	12.1	5.4	2.0	61.2	15.5	4.9	1.6	70.3	7.5	3.0	1.1	78.3	8.6	2.6	1.0	80.0	5.1	3.0	0,5	87.3
Automobile Parts or Products	8.2	6.5	2.5	69.4	10.6	10.0	3.3	80.9	4.0	4.1	1.5	82.3	2.0	1.4	0.5	82.0	0.4	0.3	0.1	87.7
Newspapers or Magazines	4.1	6.1	2.3	73.5	0.6	0.5	0.2	81.5	0.9	0.0	0.3	83.2	1.2	1.5	9.0	83.2	1.2	0.0	0.2	88.9
Household	11.8	6.7	2.5	85.3	8.2	2.5	0.8	89.7	6.2	3.6	1.3	89.4	9.9	4.2	1.6	89.8	4.5	3.6	9.0	93.4
Liquor	0.3	i	ı	85.5	0.2	0.5	0.1	89.9	9.0	0.3	0.1	90.0	0.3	0.3	0.1	90.1	0.7	0.6	0.1	94.1
Wine	0.1	ſ	1	85.6	0.1	0.1	1	90.0	0.2	0.3	0.1	90.2	0.1	0.2	0.1	90.2	0.3	0.5	0.1	94.4
Misc. Paper	8.7	6.2	2.4	94.3	4.7	3.7	1.2	94.7	5.0	6.5	2.3	95.2	5.4	3.4	1.3	95.6	3.2	2.9	0.5	97.6
Misc. Glass	0.0	ţ	Į	94.3	0.0	l	1	94.7	0.8	1.5	0.4	96.0	ı	1	ł	95.6	6.0	2	0	6.79
Misc. Plastic	3.1	3.0	1.3	97.4	2.0	1.4	0.5	96.7	2.4	1.7	9.0	98.4	1.9	0.9	0.3	97.5	1.2	1.2	6	99.1
Misc. Metal	8.0	1	ł	98.2	9.0	1.0	0.3	97.3	0.4	0.6	0.2	98.8	0.1		0.1	97.6	4.0		0	5 99
All Other .	2.0	1.1	ļ	100.2	2,9	3.9	1.3	100.2	1,3	1.9	0.7		2.5	.3	1.4	1001		2.0	-	

\*Symbols used in boxheads for columns to the right.

TABLE 6

LITTER SURVEY RESULTS FOR HIGHWAYS BY WEIGHT PERCENTAGES BY PRODUCT GROUPS

Product Group			Urban Interstate Sample Size = 7*	*/ */		ural l	Rural Interstate N = 9	age .	Ar	Arterial Primary N = 8	Prima = 8	ry	Nona	rterial N = '	Nonarterial Primary N = 7	ary		Secondary N = 30	ary	
Classification	Avg.	Standard Deviation	Standa <i>r</i> d Error	Standard Standard Summation Deviation Error	I×	р	ix o	l× s	l×	מ	ت بدا د	ix 3	ì×	ь	υ IX δ	1×	l×	ъ	l×	l×
Beer: Cans	11.9	7.2	2.7		13.0	6.6	2.2		14.4	5.1	1.8		18.0	3.6	1.4		24.3	10.8	0	
Bottles	13.1	9.2	3.5		11.4	7.2	2.4		21.4	8.4	3.0		6	10.7	4.0		25.0	11.9	2.2	
Cartons	0.5		0.2		0.6	9.0	0.2		1.4		2.1		0	1.8	0.7		2.9	2.3	0.4	
Total Beer:	25.5	14.6	5.5	25.5	25.0	11.2	3.8	25.0	37.2	10.0	3.5	37.2	0	10.5	-	40.0	52.1	13.5	2.5	52.1
Soft Drink: Cans	5.2		0.9		8.0	5.4	1.8		7.5	4.9	1.7	-	5.9	3.9	1.5		5.9	3.3	0.6	
Bottles	6.6	5.6	2.1		8.7	7.0	2.3		13.8	7.6	2.7		9.9	7.4	2.8		12.0	7.4	1.4	
Cartons	0.0	ı	1		0.0	1	1		0.0	1	1		0.4	1.2	0.5		0,1	0.2	0.4	
Total Soft Drink:	11.9	6.5	2.5	37.4	16.7	11.4	3.8	41.7	21.3	6.9	2.4	58.5	16.3	6.2	က	56.3		7.9	1.4	70.0
Other Beer or Soft Drink Items	0.1	0.1	Į	37.5	0.1	0.1	ı	41.8	0.1	0.2	0.1	58.6	0.1	0.1	i	56.4	0.1	0.1	1	70.1
Grocery		1.5	9.0	40.8	3.3	1.6	0.5	45.1	3.6	1.0		62.2	4.4	3.5	1.3	8.09	5.2		0.4	75.3
Prepared Food	2.0	1.0	0.4	42.8	2,1	1.2	0.4	47.2	_	8.0	0.3	63.9	1.7	1.1		62.5	1.9	1.6		77.2
Snack Food	0.4	0.2	0.1	43.2	0.5	0.1	1	47.7	0.4	0.2	0.1	64.3	0.7	0.5	0.2	63.2	9.0	0.4		77.8
Tobacco	1.1	0.5	0.2	44.3		1.1	0.4	49.5		0.2	0.1	64.9	1.0	0.6	0.2	64.2	0.5	0.4		78.3
Automotive Parts or Products	29.4	9.6	3.6	73.7	35.5	21.9	 س	85.0	20.1	12.8	4.5	85.0	15.3	12.2	4.6	79.5	3.4	7.1		81.7
Newspapers and Magazines	1.0	1.3	0.5	74.7	0.4	0.4	0.1	85.4		0.4	0.1	85.3	1.0	1.3	0.5	80.5	0.0	1.2	_	82,6
Household	3.0	2.8	1.0	77.7	1.5	8.0	0.3	86.9	1.4	1.4	0.5	86.7	1.1	1.0	4.0	81.6	1.3	2.0		83.9
Liquor	1.3	0.7	0.2	79.0	1.6	1.5	0.5	88.5	3.9			90.0	2.0	I. 5	0.6	83.6	4.5	3.8		88.4
Wine	1.6	1.9	0.7	80.6	0.5	0.5	0.2	89.0	1.6	2.1	8.0	92.2	1.0	1.1	0.4	84.6		2.9		90.6
Misc. Paper	7.7	5.1	1.9	88.3	3.2	3.3	1.1	92.2	_		_	95.1	6.7			91.3		5.3		95.0
Misc. Glass	0.0	1	1	88.3	0.0	1	1	92.2			0.3	95.7	0.0	1		91.3	0.2	9.0		
Misc. Plastic	1.0	1.2	0.5	89.3	1.3	1.2	0.4	93.5	0.5			96.2	0.5	0.3	0.1	91.8				
Misc. Metal	4.9	8.8	3,3	94.2	1.5	3.8	0.6	95.0			0.6	97.2	3,2			95.0				98.0
All Other	5.9.	4.3	1.6	100.1	5.1	5.4	1.8	1001		5.9		99.9	4.8			99.8	2.0		0.7	00.00
		_			_			_		_									١	

\*Symbols used in boxheads for columns to the right.

TABLE ?

LITTER SURVEY RESULTS FOR HIGHWAYS BY VOLUME PERCENTAGES BY PRODUCT GROUPS

mation $\overline{x}$ $\sigma$ $\sigma \overline{x}$ $e \overline{x}$ 17.7 7.5 2.5 2.5 3.7 1.6 0.5 1.3 0.4 1.3 1.3 0.4 1.5 2.6 2.6 2.6 1.7 0.6 1.5 2.6 1.7 0.6 1.5 2.6 1.7 0.6 1.5 2.6 1.5 2.6 1.5 2.6 1.5 2.6 1.5 2.6 1.5 2.6 2.6 1.5 2.6 1.5 2.6 1.5 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6	N = 9 $N = 7$	N = 30
Cans         L4.6         10.3         3.9         17.7         7.5         2.5           Bottles         5.0         3.4         1.3         3.7         1.6         6.5           Cartons         6.8         0.8         0.3         20.3         22.6         8.3         2.8         22.6           Total Beer:         20.3         1.5         20.3         22.6         8.8         4.4         1.5         22.6           Total Soft Drink Items         0.0         -         -         0.0         -         -         0.0         -           Cartons         0.0         -         -         0.0         2.6         1.7         0.6         0.7         34.1         1           Deer or Soft Drink Items         0.6         0.6         0.2         29.4         0.5         0.1         34.4         1.5         0.7         1.9           red Food         0.7         0.6         0.2         29.4         1.5         0.7         1.9         1.7         0.6           red Food         1.1         0.5         0.2         52.5         54.6         4.3         2.9         1.0         1.1         1.0         1.1         1.1	X Q QX EX X Q QX EX X	<u> </u>
Bottles         5.0         3.4         1.3         3.7         1.6         0.5           Cartons         0.8         0.8         0.3         1.3         1.3         1.5         0.4           Total Beer:         20.3         13.1         5.0         20.3         22.6         8.3         2.8         2.6         1.7         0.6           Drink: Cans         5.8         3.9         1.5         20.3         22.6         8.3         2.8         2.6         1.7         0.6           Cartons         0.0	7 7.5 2.5 20.6 8.5 3.0 21.5	α
Cartons         0.8         0.8         0.3         1.3         1.3         0.4           Total Beer:         20.3         13.1         5.0         20.3         22.6         8.3         2.8         2.6         1.5         8.8         4.4         1.5         2.6         1.7         0.6         2.6         1.7         0.6         2.6         1.7         0.6         2.6         1.7         0.6         2.6         1.7         0.6         2.6         1.7         0.6         2.6         1.7         0.6         2.6         1.7         0.6         2.6         1.7         0.6         2.6         1.7         0.6         2.6         1.7         0.6         2.6         1.7         0.6         2.6         1.7         0.6         2.6         1.7         0.6         2.6         1.7         0.6         2.6         1.7         0.6         0.6         0.2         2.9.4         0.5         0.3         0.1         3.4         1.1         0.6         0.6         0.6         0.2         29.4         0.5         0.3         0.1         3.4         1.1         0.6         0.6         0.6         0.6         0.6         0.6         0.6         0.6         0.6	7 1.6 0.5 7.0 3.2 1.1 5.3 3.7 1.	) m
Total Beer:  Total Beer:  5.8  3.9  1.5  Drink: Cans  Bottles  2.8  2.6  1.0  Cartons  O.0  Total Soft Drink: Items O.0  Total Soft Drink Items O.0  Soft	3 1.3 0.4 3.3 1.4 0.5 3.4 2.1	3.0
Bottles   2.8   2.6   1.0   2.6   1.7   0.6	3 22.6 8.3 2.8 22.6 31.0 9.3 3.3 30.3 10.3 3.	3 11.9 2.
Bottles         2.6         1.0         2.6         1.7         0.6           Cartons         0.0         — <td>8 4.4 1.5 9.2 5.5 1.9 5.5 2.4 0.</td> <td>7 3.7 0.7</td>	8 4.4 1.5 9.2 5.5 1.9 5.5 2.4 0.	7 3.7 0.7
Cartons         0.0	6 1.7 0.6 3.9 2.4 0.8 3.0	် 
Total Soft Drink:         8.5         5.1         1.9         28.8         11.5         5.7         1.9         34.1         34.1           Beer or Soft Drink Items         0.6         0.6         0.2         29.4         0.5         0.3         0.1         34.6           red Food         8.7         2.5         1.0         51.1         10.1         2.7         0.9         58.3           Food         1.4         0.5         0.2         52.5         2.1         0.8         0.3         60.4           co         2.1         1.4         0.5         0.2         52.5         2.1         0.8         0.3         60.4           co         2.1         1.3         0.5         54.6         4.3         2.9         1.0         64.7           co         2.1         1.3         0.5         54.6         4.3         2.9         1.0         64.7           co         3.8         4.3         1.6         61.4         11.2         10.4         3.5         7.9           co         6.4         2.4         73.8         5.8         1.4         6.7         1.7         0.6         7.8           co         6.4	0 0.1 0.1 - 0.5 1.3	2 0.6 0.
Beer or Soft Drink Items 0.6 0.6 0.2 29.4 0.5 0.3 0.1 34.6 17 34.6 18.7 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0	8   11.5   5.7   1.9   34.1   13.1   4.7   1.7   44.1   9.0   3.7   1.	3 4.6
red Food  8.7 2.5 1.0 51.1 10.1 2.7 0.9 58.3  Food  8.7 2.5 1.0 51.1 10.1 2.7 0.9 58.3  Food  1.4 0.5 0.2 52.5 2.1 0.8 0.3 60.4  co  1.5 0.5 54.6 4.3 2.9 1.0 64.7  cotive Parts or Products  8.6 6.4 2.4 73.8 5.8 2.1 0.7 83.6  r  Paper  13.3 9.0 3.4 87.7 5.7 3.5 1.2 89.8  Plastic  2.9 2.8 1.9 90.6 4.5 1.1 4.9 1.1 4.9 91.8  Plastic  Paper  Need Food  1.4 0.1 0.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	4 0.5 0.3 0.1 34.6 1.1 1.3 0.5 45.2 0.7 0.5 0.2 40.	7 0.6 0.1 45.
red Food  1.4 0.5 1.0 51.1 10.1 2.7 0.9 58.3  Food  2.1 1.3 0.5 52.5 2.1 0.8 0.3 60.4  co  2.1 1.3 0.5 54.6 4.3 2.9 1.0 64.7  notive Parts or Products  8.6 6.4 2.4 73.8 5.8 2.1 0.7 83.6  r  Paper  0.3 0.3 0.4 0.1 74.1 0.4 0.4 0.1 84.0  Paper  1.3 9.0 3.4 87.7 5.7 3.5 1.2 89.8  Plastic  2.9 2.8 1.9 1.7 0.6 7.8  Metal	4   13.6   6.4   2.1   48.2   18.1   5.4   1.9   63.3   17.2   9.2   3.	4.8 0.9 63.
Food  Food  1.4 0.5 0.2 52.5 2.1 0.8 0.3 60.4  co  2.1 1.3 0.5 54.6 4.3 2.9 1.0 64.7  notive Parts or Products  3.8 4.3 1.6 61.4 11.2 10.4 3.5 75.9  appers and Magazines  8.6 6.4 2.4 73.8 5.8 2.1 0.7 83.6  r  Paper  13.3 9.0 3.4 87.7 5.7 3.5 1.2 89.8  Plastic  2.9 2.8 7.1 0.6 4.3  Metal	1   10.1   2.7   0.9   58.3   8.7   3.4   1.2   72.0   7.1   2.7   1.0	1.0 72.
octive Parts or Products 6.8 4.3 1.6 61.4 11.2 [0.4 3.5 75.9 appers and Magazines 3.8 3.8 1.4 65.2 1.9 1.7 0.6 77.8 hold 8.6 6.4 2.4 73.8 5.8 2.1 0.7 83.6 r. 0.3 0.3 0.4 0.1 74.1 0.4 0.4 0.1 84.0 0.3 0.4 0.1 74.1 0.2 0.1 84.0 0.3 0.4 0.1 74.1 0.2 0.1 84.0 0.3 0.4 0.1 74.1 0.2 0.1 84.0 0.3 0.4 0.1 74.4 0.1 0.2 0.1 84.0 0.3 0.4 0.1 74.4 0.1 0.2 0.1 84.0 0.3 0.4 0.1 74.4 0.1 0.2 0.1 84.0 0.3 0.3 0.4 0.1 74.4 0.1 0.2 0.1 84.1 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	5   2.1   0.8   0.3   60.4   1.8   1.0   0.4   73.8   2.4   1.0   0.4	1.8 0.3
totive Parts or Products     6.8     4.3     1.6     61.4     11.2     10.4     3.5     75.9       papers and Magazines     3.8     3.8     1.4     65.2     1.9     1.7     0.6     77.8       hold     0.3     0.3     0.1     74.1     0.4     0.4     0.1     84.0       r     0.3     0.4     0.1     74.4     0.1     0.2     0.1     84.0       Paper     13.3     9.0     3.4     87.7     5.7     3.5     1.2     89.8       Class     0.0     -     -     87.7     0.0     -     89.8       Metal     0.1     0.6     4.5     4.1     1.4     94.3	6 4.3 2.9 1.0 64.7 1.1 0.4 0.2 74.9 1.6 0.7 0.3	9 0.6 0.1 75.
Papers and Magazines 3.8 1.4 65.2 1.9 1.7 0.6 77.8 shold construction of the construct	4 11.2 [10.4 3.5 75.9 7.7 5.9 2.1 82.6 4.3 3.1	3 2.6 0.5
hold 8.6 6.4 2.4 73.8 5.8 2.1 0.7 83.6 r. 0.3 0.3 0.1 74.1 0.4 0.4 0.1 84.0 0.3 0.3 0.4 0.1 74.4 0.1 0.2 0.1 84.0 0.3 0.3 0.4 0.1 74.4 0.1 0.2 0.1 84.1 0.3 0.0 87.7 5.7 3.5 1.2 89.8 Plastic 2.9 2.8 1.0 90.6 4.5 4.1 1.4 94.3 0.6 0.1 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.7 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	2 1.9 1.7 0.6 77.8 1.8 1.8 0.6 54.4 3.8 5.5 2.1	3.9 0.7
Paper 13.3 9.0 3.4 87.7 5.7 3.5 1.2 89.8 Flastic 2.9 2.8 1.0 90.6 4.5 4.1 1.4 94.3 Netal	8 5.8 2.1 0.7 83.6 5.2 4.7 1.7 89.6 3.5	3 9.2 1.7
Paper 13.3 9.0 3.4 87.7 5.7 3.5 1.2 89.8 Glass 0.0 — 87.7 0.0 — 89.8 Plastic 2.9 2.8 1.0 90.6 4.5 4.1 1.4 94.3	1 0.4 0.4 0.1 84.0 1.0 0.6 0.1 90.6 0.4 0.4 0.2	0 1.0 0.2 85.
13.3     9.0     3.4     87.7     5.7     3.5     1.2     89.8       0.0     -     -     87.7     .0.0     -     89.8       2.9     2.8     1.0     90.6     4.5     4.1     1.4     94.3       6.0     1.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0	4 0.1 0.2 0.1 84.1 0.6 0.8 0.3 91.2 0.3 0.4 0.2	7 1.1 0.2 86.
2.9 2.8 1.0 90.6 4.5 4.1 1.4 94.3 6.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	7 5.7 3.5 1.2 89.8 4.6 4.4 1.6 95.8 11.3 10.0 3.8	8.2 1.5 94.
2.9 2.8 1.0 90.6 4.5 4.1 1.4 94.3 6.0 1.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	7   .0.0   -   -   89.8   0.0   -   -   95.8   0.0   -	1 6
000 000 000 000	6 4.5 4.1 1.4 94.3 2.1 2.1 0.7 97.9 1.5 1.4 0.5	3.1 0.6 96.
0.01   1.01   1.02   1.04   0.05   1.04   0.05   1.	0.5 96.0 0.7 1.2 0.4 98.6 3.3 7.8 2.9	4.6 0.8 99
100.2 4.1 4.2 1.4 100.1	2 4.1 4.2 1.4 100.1 1.6 3.4 1.2 100.2 3.3 4.0 1.5 1	2.6 0.5 100.

\*Symbols used in boxheads for columns to the right.

TABLE 8

TOTAL HIGHWAY ANNUAL ITEM COUNT, WEIGHT, AND VOLUME ESTIMATES AND PROPORTIONS BY HIGHWAY SYSTEMS

	% of Total	2.1	0.7	2.4	6.5	88.3	
	₩ H	<u> </u>		<del></del>			
l a	Cu. Yd.	19,950	6, 538	22,939	61,872	835, 750	947,049
Volume	1	ļ					94
	1./ Mileage	100	743	1,593	6,126	42,859	
	Cu. Yd. Mile/ Year	199.5	8.8	14.4	10.1	T9.5	
	% of Total	2.0	0.9	2.9	7.2	87.0	
ght	Lb.	2,344,600	1,111,528	3,467,961	8,582,526	104,061,652	119,568,267
Weight	Mileage	100	743	1,593	6,126	42, 859	
	Lb./ Mile/ Year	23,446	1,496	2,177	1,401	2,428	
	% of Total	2.9	1.2	2.8	7.7	85.4	. <u></u>
Item Count	Items	23,411,200	9,334,309	. 22, 577, 589	61,688,820	683,086,742	800,098,660
Item	Mileage	100	743	1,593	6,126	42,859	
	Items/ Mile/ Year	234,112	12,563	14,173	10,070	15,938 42,859	
	System	Interstate Urban (1)	Interstate Rural	Arterial Primary	Nonarterial Primary	Secondary	Totals

. TABLE 9

COMBINED LITTER PROPORTIONS BY PRODUCT GROUPS FOR HIGHWAYS

Product Group	Item	Count		Weight	V	olume .
Classification	Avg. %	Summation	Avg.	Summation	Avg. %	Summation
Beer: Cans	29.8		23.2		25.0	
Bottles	7.8		24.2		4.1	
Cartons	1.7		2.7		5.4	,
Total Becr:	39.3	39.3	50.0	50.0	34.5	34.5
Soft Drink: Cans	7.0		6.0		5.7	
Bottles	3.0	,	11.8		. 3.4	
Cartons	0.2		0.1		0.2	
Total Soft Drink:	10.2	49.5	17.8	67.8	9.4	43.9
Other Beer or Soft Drink Items	1.8	51.3	0.1.	67.9	0.7	44.6
Grocery	10.2	61.5	5.0	72.9	. 17.9	62.5
Prepared Food	12.1	73.6	1.9	74.8	8.6	71.1
Snack Food	6.2	79.8	0.6	75.4	2.2	73.3
Tobacco	5.8	85.6	0.6	76.0	1.0.	74.3
Automotive Parts or Products	1.0	86.6	5.6	81.6	1.7	76.0
Newspapers or Magazines	1.3	87.9	0.9	82.5	4.0	80.0
Household .	5.0	92.9	1.3	83.8	4.4	84.4
Liquor	0.7	93.6	4.2	88.0	0.9	85.3
Wine	0.3	93.9	2.1	90.1	0.7	86.0
Misc. Paper	3.5	97.4	4.6	94.7	8.1	94.1
Misc. Glass	0.3	97.7	0.2	94.9	0.0	94.1
Misc. Plastic	1.3	99.0	0.8	95.7	2.5	96.6
Misc. Metal	0.8	99.8	2.1	97.8	2.2	98.8
All Other	0.4	100.2	2.3	100.1	1.4	100.2

TABLE 10

LITTER SURVEY RESULTS FOR URBAN AREAS PERCENTAGES BY PRODUCT GROUPS

Product Group		Item Sample	Count Size = 1	3*		We N	Weight N = 13			Volume N = 13	1e	
Classification	Avg.	Standard Deviation	Standard Error	Summation	×	Q	βX	ιχ	ıΧ	b	α N	n r× ·
Beer: Cans	4.4				1 7							
Bottles	9.0	0.9	0,2		4.1	6.5	1.8		0.7	1.2	0.3	
Cartons	0,2	•				٠,				•		
Total Beer:	5.2	- 4	1	5.2	1	•	٠.	16.9	_		- 1	2.8
Soft Drink: Cans	2.5	2.4	0.7			6.5	1.8			3.7	1.	
Bottles	<u>ار</u>		0.5	gife Blanca et et	10.7	•	•			•		
Cartons	0.0	ı	ı			,	ı		_		_	
Total Soft Drink:	3.6	•	0.8	8.8		13,6	3.8	35.9			_	
Other Beer or Soft Drink Items	2.7	5.2	1.5	11.5	9.0	1.4	0.4	36.5	9.0	1.0		13,9
Grocery	0.7	•	•	18.5				45.1	_	•	_	
Prepared Food	19.8		2.5	38,5				54.6	0	12.5	_	
Snack Food	13,3	•	•	51.6				59.8	_			
Tobacco	14.0	•	•	65.6				64.8	_	•	_	
Automotive Parts or Products	0.0	1	ı	65.6				65.1	_	1		•
Newspapers and Magazines	6.7		8.	72.3				70.2	_			
Household	12.9	8.9	•	85.2		ල ග	1.6	76.7	_	8.9	2.5	
Liquor	0.0	ı	1	85.2				77.0				
Wine	0.1	_		85,3				78.4	_			•
Misc. Paper .	9° 4			94.7				88.2	_			•
Misc. Glass	0.2			04.0				89.1	_			
Misc. Plastic	ლ ი	_		98.2				91.2	_			•
Misc. Metal	0,7	1.1	0.3	•				94.7	_			•
All Other	1,1	_		100.0				99.8		•		100.0

TABLE 11

LITTER SURVEY RESULTS FOR RECREATIONAL AREAS PERCENTAGES BY PRODUCT GROUP

Product Group		Sar	Item Count Sample Size =	10*		) BZ	Weight N = 10			O N	Volume N = 10	
Classification	$\overset{ ext{Avg.}}{\mathbb{Z}}$	Standard Deviation	Standard Error	Summation	· I×	р	NX D	ıχ	l×	ъ	O X	ε×Ι
Beer: Cans	6.4	1 .					1		- 1		- 1	
	60.00						_		•	•	•	
Cartons	0,3	0.5	0.2		9.0	6.0	(C)		) er	# G	) (င ) (င	
Total Beer:	10.4		_	10.4				28,0	, ,			Γ. 9.
Soft Drink: Cans	6.4				0				1	4 .	۰ ا	4
Bottles	6. 2.	0	•		20.2	16.6	5.2		7.7	11,4	S	
Cartons	0.0	f	1			ı	1			ı	ı	
Total Soft Drink:	9.3	۰	2.4	19,7	31,0	18,1	5.7	59.0		16.1		32.8
Other Beer or Soft Drink Items	1,7	1.9			0,1	١.	1 1	٠ ا		4.		ر ا
Grocery	10.0	•	1.9	31.4	7.4			_	Ö	່ເລ		4
Prepared Food	28.4	r.			10.4				_			ြဲ
Snack Food	19.0	•			2.6	•		_	30.			9
Tobacco	၀ က်	•	0.5	83.8	1.2	•		_	_			်မ
Automotive Parts or Products	0.0	1	1	•	8.0	•		_	_			_
Newspapers and Magazines	· 0 ·	6°0	0.3	84.2	1.0	2.6	0.8	82.5	2.6	5.2	1.6	89.6
Household	ત્રા ∞	•	1.8		1.2	•		_	_			_;
Liquor	0.0		!	•	0,3	•		_	_		-	֓֡֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓
Wine	.9 0		_	89.6	11.0	•		_	_			່ຕໍ
Misc. Paper	۲.	0.0	2.8	•	2.6			97.6	_			
Misc. Glass	s o			. 98.1	0.4	•		98,0	_	1	ı	~
Misc. Plastic	1.0			99.1	0.0			98.5		•		98.8
Misc. Metal	0. 5				1.0			99.5	_	2.0		်တ
All Other	0			93.9	0.7		9				0.2	່ ໘ໍ
						. !		•				

\*Symbols used in boxheads for columns to the right.

TABLE 12

COMBINED LITTER PROPORTIONS BY PRODUCT GROUPS
70% Highways, 25% Urban Areas, 5% Recreational Areas

Product Group Classification	Des last Cons	Ite	m Count		Weight		Volume
Bottles	`		Summation		Summation		Summation
Cartens         1.3         29.3         29.3         40.6         40.6         26.8         26.4         26.8         26.8         26.8         26.8         26.8         26.8         26.8         26.8         26.8         26.8         26.2         26.8         26.2         26.8         26.2         26.8         26.2         26.8         26.2         26.8         26.2         26.6         26.8         26.2         26.6         26.2         26.6         26.2         26.6         26.2         26.2         26.2         26.2         26.2         26.2         26.2         26.2         <	Beer: Cans	22.3		19.6		19.5	
Cartens         1.3         29.3         29.3         40.6         40.6         26.8         26.4         26.8         26.8         26.8         26.8         26.8         26.8         26.8         26.8         26.2         26.8         26.2         26.8         26.2         26.2         26.6         26.2         26.6         26.2         26.6         26.2         26.6         26.2         26.6         26.2         26.6         26.2         26.6         26.2         26.2         26.2         26.2         26.2         26.2         26.2         26.2         26.2         26.2         <	Bottles			18.9		3.3	
Soft Drink: Cans       5.8       6.8       5.4         Bottles       2.5       11.9       3.1         Cartons       0.1       0.1       0.2         Total Soft Drink:       8.5       37.8       18.8       59.4       8.7       35.5         Other Beer or Soft Drink Items       2.0       39.8       0.2       59.6       0.7       36.2         Grocery       9.4       49.2       6.0       65.6       17.8       54.0         Prepared Food       14.8       64.0       4.2       69.8       12.4       66.4         Snack Food       8.6       72.6       1.9       71.7       4.0       70.4         Tobacco       7.8       80.4       1.7       73.4       1.6       72.0         Automotive Parts or Products       0.7       81.1       4.0       77.4       1.2       73.2         Newspapers or Magazines       2.6       83.7       2.0       79.4       4.8       78.0         Household       7.0       90.7       2.6       82.0       5.9       83.9         Liquor       0.5       91.2       3.0       85.0       0.7       85.3         Misc. Paper       5.2 <td>· Cartons</td> <td>1.3</td> <td></td> <td></td> <td></td> <td></td> <td></td>	· Cartons	1.3					
Bottles       2.5       0.1       0.1       0.2       3.1       0.2         Total Soft Drink:       8.5       37.8       18.8       59.4       8.7       35.5         Other Beer or Soft Drink Items       2.0       39.8       0.2       59.6       0.7       36.2         Grocery       9.4       49.2       6.0       65.6       17.8       54.0         Prepared Food       14.8       64.0       4.2       69.8       12.4       66.4         Snack Food       8.6       72.6       1.9       71.7       4.0       70.4         Tobacco       7.8       80.4       1.7       73.4       1.6       72.0         Automotive Parts or Products       0.7       81.1       4.0       77.4       1.2       73.2         Newspapers or Magazines       2.6       83.7       2.0       79.4       4.8       78.0         Household       7.0       90.7       2.6       82.0       5.9       83.9         Liquor       0.5       91.2       3.0       85.0       0.7       85.3         Misc. Paper       5.2       96.7       5.8       93.2       8.2       93.5         Misc. Plastic	Total Beer:	29.3	29.3	40.6	40,6.	26.8	26.8
Cartons         0.1         0.1         18.8         59.4         8.7         35.5           Other Beer or Soft Drink Items         2.0         39.8         0.2         59.6         0.7         36.2           Grocery         9.4         49.2         6.0         65.6         17.8         54.0           Prepared Food         14.8         64.0         4.2         69.8         12.4         66.4           Snack Food         8.6         72.6         1.9         71.7         4.0         70.4           Tobacco         7.8         80.4         1.7         73.4         1.6         72.0           Automotive Parts or Products         0.7         81.1         4.0         77.4         1.2         73.2           Newspapers or Magazines         2.6         83.7         2.0         79.4         4.8         78.0           Household         7.0         90.7         2.6         82.0         5.9         83.9           Liquor         0.5         91.2         3.0         85.0         0.7         84.6           Wine         0.3         91.5         2.4         87.4         0.7         85.3           Misc. Plastic         1.8 <t< td=""><td>Soft Drink: Cans</td><td>5.8</td><td></td><td>6.8</td><td></td><td>5.4</td><td></td></t<>	Soft Drink: Cans	5.8		6.8		5.4	
Total Soft Drink:         8.5         37.8         18.8         59.4         8.7         35.5           Other Beer or Soft Drink Items         2.0         39.8         0.2         59.6         0.7         36.2           Grocery         9.4         49.2         6.0         65.6         17.8         54.0           Prepared Food         14.8         64.0         4.2         69.8         12.4         66.4           Snack Food         8.6         72.6         1.9         71.7         4.0         70.4           Tobacco         7.8         80.4         1.7         73.4         1.6         72.0           Automotive Parts or Products         0.7         81.1         4.0         77.4         1.2         73.2           Newspapers or Magazines         2.6         83.7         2.0         79.4         4.8         78.0           Household         7.0         90.7         2.6         82.0         5.9         83.9           Liquor         0.5         91.2         3.0         85.0         0.7         84.6           Wine         0.3         91.5         2.4         87.4         0.7         85.3           Misc. Paper         5.2	Bottles	2.5		11.9	· .	3.1	
Other Beer or Soft Drink Items         2.0         39.8         0.2         59.6         0.7         36.2           Grocery         9.4         49.2         6.0         65.6         17.8         54.0           Prepared Food         14.8         64.0         4.2         69.8         12.4         66.4           Snack Food         8.6         72.6         1.9         71.7         4.0         70.4           Tobacco         7.8         80.4         1.7         73.4         1.6         72.0           Automotive Parts or Products         0.7         81.1         4.0         77.4         1.2         73.2           Newspapers or Magazines         2.6         83.7         2.0         79.4         4.8         78.0           Household         7.0         90.7         2.6         82.0         5.9         83.9           Liquor         0.5         91.2         3.0         85.0         0.7         84.6           Wine         0.3         91.5         2.4         87.4         0.7         85.3           Misc. Paper         5.2         96.7         5.8         93.2         8.2         93.5           Misc. Plastic         1.8	Cartons	0.1		0.1		0.2	
Grocery       9,4       49.2       6.0       65.6       17.8       54.0         Prepared Food       14.8       64.0       4.2       69.8       12.4       66.4         Snack Food       8.6       72.6       1.9       71.7       4.0       70.4         Tobacco       7.8       80.4       1.7       73.4       1.6       72.0         Automotive Parts or Products       0.7       81.1       4.0       77.4       1.2       73.2         Newspapers or Magazines       2.6       83.7       2.0       79.4       4.8       78.0         Household       7.0       90.7       2.6       82.0       5.9       83.9         Liquor       0.5       91.2       3.0       85.0       0.7       84.6         Wine       0.3       91.5       2.4       87.4       0.7       85.3         Misc. Paper       5.2       96.7       5.8       93.2       8.2       93.5         Misc. Plastic       1.8       98.8       1.1       94.7       2.5       96.0         Misc. Metal       0.8       99.6       2.4       97.1       1.9       97.9	Total Soft Drink:		37.8	18.8		8.7	35.5
Prepared Food         14.8         64.0         4.2         69.8         12.4         66.4           Snack Food         8.6         72.6         1.9         71.7         4.0         70.4           Tobacco         7.8         80.4         1.7         73.4         1.6         72.0           Automotive Parts or Products         0.7         81.1         4.0         77.4         1.2         73.2           Newspapers or Magazines         2.6         83.7         2.0         79.4         4.8         78.0           Household         7.0         90.7         2.6         82.0         5.9         83.9           Liquor         0.5         91.2         3.0         85.0         0.7         84.6           Wine         0.3         91.5         2.4         87.4         0.7         85.3           Misc. Paper         5.2         96.7         5.8         93.2         8.2         93.5           Misc. Glass         0.3         97.0         0.4         93.6         0.0         93.5           Misc. Plastic         1.8         98.8         1.1         94.7         2.5         96.0           Misc. Metal         0.8         99.6	Other Beer or Soft Drink Items		1	0.2	59.6	0.7	Į.
Snack Food       8.6       72.6       1.9       71.7       4.0       70.4         Tobacco       7.8       80.4       1.7       73.4       1.6       72.0         Automotive Parts or Products       0.7       81.1       4.0       77.4       1.2       73.2         Newspapers or Magazines       2.6       83.7       2.0       79.4       4.8       78.0         Household       7.0       90.7       2.6       82.0       5.9       83.9         Liquor       0.5       91.2       3.0       85.0       0.7       84.6         Wine       0.3       91.5       2.4       87.4       0.7       85.3         Misc. Paper       5.2       96.7       5.8       93.2       8.2       93.5         Misc. Glass       0.3       97.0       0.4       93.6       0.0       93.5         Misc. Plastic       1.8       98.8       1.1       94.7       2.5       96.0         Misc. Metal       0.8       99.6       2.4       97.1       1.9       97.9	Grocery		,		65.6		
Tobacco         7.8         80.4         1.7         73.4         1.6         72.0           Automotive Parts or Products         0.7         81.1         4.0         77.4         1.2         73.2           Newspapers or Magazines         2.6         83.7         2.0         79.4         4.8         78.0           Household         7.0         90.7         2.6         82.0         5.9         83.9           Liquor         0.5         91.2         3.0         85.0         0.7         84.6           Wine         0.3         91.5         2.4         87.4         0.7         85.3           Misc. Paper         5.2         96.7         5.8         93.2         8.2         93.5           Misc. Glass         0.3         97.0         0.4         93.6         0.0         93.5           Misc. Plastic         1.8         98.8         1.1         94.7         2.5         96.0           Misc. Metal         0.8         99.6         2.4         97.1         1.9         97.9	Prepared Food			4.2		12.4	66.4
Automotive Parts or Products       0.7       81.1       4.0       77.4       1.2       73.2         Newspapers or Magazines       2.6       83.7       2.0       79.4       4.8       78.0         Household       7.0       90.7       2.6       82.0       5.9       83.9         Liquor       0.5       91.2       3.0       85.0       0.7       84.6         Wine       0.3       91.5       2.4       87.4       0.7       85.3         Misc. Paper       5.2       96.7       5.8       93.2       8.2       93.5         Misc. Glass       0.3       97.0       0.4       93.6       0.0       93.5         Misc. Plastic       1.8       98.8       1.1       94.7       2.5       96.0         Misc. Metal       0.8       99.6       2.4       97.1       1.9       97.9	Snack Food		1	1.9		4.0	i
Newspapers or Magazines       2.6       83.7       2.0       79.4       4.8       78.0         Household       7.0       90.7       2.6       82.0       5.9       83.9         Liquor       0.5       91.2       3.0       85.0       0.7       84.6         Wine       0.3       91.5       2.4       87.4       0.7       85.3         Misc. Paper       5.2       96.7       5.8       93.2       8.2       93.5         Misc. Glass       0.3       97.0       0.4       93.6       0.0       93.5         Misc. Plastic       1.8       98.8       1.1       94.7       2.5       96.0         Misc. Metal       0.8       99.6       2.4       97.1       1.9       97.9	Tobacco .	1	1	1.7			
Household       7.0       90.7       2.6       82.0       5.9       83.9         Liquor       0.5       91.2       3.0       85.0       0.7       84.6         Wine       0.3       91.5       2.4       87.4       0.7       85.3         Misc. Paper       5.2       96.7       5.8       93.2       8.2       93.5         Misc. Glass       0.3       97.0       0.4       93.6       0.0       93.5         Misc. Plastic       1.8       98.8       1.1       94.7       2.5       96.0         Misc. Metal       0.8       99.6       2.4       97.1       1.9       97.9	Automotive Parts or Products						
Liquor       0.5       91.2       3.0       85.0       0.7       84.6         Wine       0.3       91.5       2.4       87.4       0.7       85.3         Misc. Paper       5.2       96.7       5.8       93.2       8.2       93.5         Misc. Glass       0.3       97.0       0.4       93.6       0.0       93.5         Misc. Plastic       1.8       98.8       1.1       94.7       2.5       96.0         Misc. Metal       0.8       99.6       2.4       97.1       1.9       97.9	Newspapers or Magazines						
Wine       0.3       91.5       2.4       87.4       0.7       85.3         Misc. Paper       5.2       96.7       5.8       93.2       8.2       93.5         Misc. Glass       0.3       97.0       0.4       93.6       0.0       93.5         Misc. Plastic       1.8       98.8       1.1       94.7       2.5       96.0         Misc. Metal       0.8       99.6       2.4       97.1       1.9       97.9	•						
Misc. Paper       5.2       96.7       5.8       93.2       8.2       93.5         Misc. Glass       0.3       97.0       0.4       93.6       0.0       93.5         Misc. Plastic       1.8       98.8       1.1       94.7       2.5       96.0         Misc. Metal       0.8       99.6       2.4       97.1       1.9       97.9			,				
Misc. Glass       0.3       97.0       0.4       93.6       0.0       93.5         Misc. Plastic       1.8       98.8       1.1       94.7       2.5       96.0         Misc. Metal       0.8       99.6       2.4       97.1       1.9       97.9			ł		1		•
Misc. Plastic       1.8       98.8       1.1       94.7       2.5       96.0         Misc. Metal       0.8       99.6       2.4       97.1       1.9       97.9	•	3					,
Misc. Metal 0.8 99.6 2.4 97.1 1.9 97.9	1						
		1	ì				
All Other [ 0.6   100.2   2.9   100.0   2.2   100.1			1				1
	All Other	0.6	100.2	2.9	100.0	2,2	100.1

TABLE 13

COMBINED LITTER PROPORTIONS BY PRODUCT GROUPS 65% Highways, 30% Urban Areas, 5% Recreational Areas

Drodu at Chaus	Ite	m Count		Weight	V	olume
Product Group Classification	Avg.	Summation	Avg. %	Summation	Avg.	Summation
Beer: Cans Bottles	21.0 5.4		19.1 17.9		18.6 3.1	
Cartons Total Beer:	1.2 27.6	27.6	2.1 39.0	39.0	3.8 25.5	25.5
Soft Drink: Cans Bottles	$\begin{array}{c} 5.6 \\ 2.4 \end{array}$		6.9 11.9		5,3 3,1	
Cartons Total Soft Drink:	0.1 8.1	35.7	0.1 18.8	57.8	$0.2 \\ 8.6$	34.1
Other Beer or Soft Drink Items Grocery	$\frac{2.1}{9.2}$	37.8 47.0	$\begin{array}{c} 0.2 \\ 6.2 \end{array}$	$\begin{array}{c} 58.0 \\ 64.2 \end{array}$	$0.7 \\ 17.8$	34.8 52.6
Prepared Food Snack Food	$\begin{array}{c} 15.2 \\ 9.0 \end{array}$	62.2 71.2	$egin{array}{c} 4.6 \ 2.1 \end{array}$	68.8 70.9	13.0 $4.3$	65.6- 69.9
Tobacco Automotive Parts or Products	8.2 0.6	79.4	1.9 3.8	72.8 $76.6$	1.7 1.1	71.6
Newspapers or Magazines Household	$\frac{2.9}{7.4}$	82.9 90.3	2.2 2.9	78.8 81.7	$\frac{5.0}{6.2}$	77.7 83.9
Liquor Wine	0.5 0.3	90.8 91.1	$\frac{2.8}{2.3}$	84.5 86.8	0.6 0.6	84.5 85.1
Misc. Paper Misc. Glass	5.5 0.3	96.6 96.9	6.1	92.9 93.3	8.2 0.0	93.3 93.3
Misc. Glass Misc. Plastic Misc. Metal	1.9 0.8	98.8 99.6	1,2 2,5	94.5 $97.0$	2.6 1.8	95.9 97.7
All Other	0.6	100.2	3.1	100.1	2.4	100.1

TABLE 14

COMBINED LITTER PROPORTIONS BY PRODUCT GROUPS 60% Highways, 35% Urban Areas, 5% Recreational Areas

Dreduct Crown	Ite	m Count		Weight	v	Volume	
Product Group Classification	Avg.	Summation	Avg.	Summation	Avg.	Summation	
Beer: Cans	19.7		18.5	ere identificação (de 1977) del los fluorendes e mança de embero aprimer es par	17.7		
Bottles	5.1		16.9		2.9		
Cartons	1.1		2.0		3.6		
· Total Beer:	25.9	25,9	37,3	37.3	24.2	24.2	
Soft Drink: Cans	5.4		7.0		5.2		
Bottles	2.3		11.8		3.0		
Cartons	0.1		0.1		0.2		
Total Soft Drink:	7.8	33.7	18.9	56.2	8.4	32.6	
Other Beer or Soft Drink Items	2.1	35.8	0.3	56.5	0.7	33,3	
Grocery	9.1	44.9	6.4	62,9	17.7	51.0	
Prepared Food	15.6	60.5	5.0	67.9	13.6	64.6	
Snack Food	9.3	69.8	2.3	70.2	4.7	69.3	
Tobacco	8.6	78.4	2.2	72.4	1.8	71.1	
Automotive Parts or Products	0.6	79.0	3.5	, <b>75.</b> 9	1.0	72.1	
Newspapers or Magazines	3.2	82.2	2.4	78.3	5.2	77.3	
Household	7.8	90.0	3.1	81.4	6.5	83.8	
Liquor	0.4	90.4	2.6	84.0	0.6	84.4	
Wine	0.2	90.6	2.3	86.3	0.6	85.0	
Misc. Paper	5.8	96.4	6.3	92.6	8.3	93,3	
Misc. Glass	0.3	96.7	0.5	93.1	0.0	93.3	
Mise. Plastie	2.0	98.7	1.2	94.3	2.6	95.9	
Misc. Metal	0.8	99.5	2.5	96.8	1.8	97.7	
All Other	0.6	100.1	3.2	100.0	2.5	100.2	
						<u> </u>	

TABLE 15

COMBINED LITTER PROPORTIONS BY PRODUCT GROUPS 75% Highways, 20% Urban Areas, 5% Recreational Areas

	Ite	m Count	. W	'eight	Vol	ıme
Product Group Classification	Avg.	Summation	Avg.	Summation	Avg.	Summation
Beer: Cans	23.6		20.2		20.5	
Bottles	6.2		19.9		3.5	
Cartons	1.3		2.2		4.3	
Total Beer:	31.0	31.0	42.3	42.3	28.2	28.2
Soft Drink: Cans	6.1	6	6.7		5.5	
Bottles	2.6		12.0		3.2	
Cartons	0.2		0.1		0.2	
Total Soft Drink:	8.8	39.8	18.7	61.0	9.0	37.2
Other Beer or Soft Drink Items	2.0	41.8	0.2	61.2	0.7	37.9
Grocery	9.5	51.3	5.8	67.0	17.9	55.8
Prepared Food	14.5	65.8	3.8	70.8	11.8	67.6
Snack Food ,	8.3	74.1	1.6	72.4	3.7	71.3
Tobacco	7.4	81.5	1.5	73.9	1.4	72.7
Automotive Parts or Products .	0.8	82.3	4.3	78.2	1.3	74.0
Newspapers and Magazines	2.3	84.6	1.8	80.0	4.6	78.6
Household	6.6	91.2	. 2.3	8 <b>2.</b> 3	5.6	84.2
Liquor	0.5	91.7	3.2	85.5	0.7	84.9
Wine .	0.3	92.0	2.4	87.9	0.7	85.6
Misc. Paper	4.9	96.9	5.5	93.4	8.1	93.7
Misc. Glass	0.3	97.2	0.4	93.8	0.0	93.7
Misc. Plastic	1.7	98.9	1.0	94.8	2.5	96.2
Misc. Metal	0.8	99.7	2.3	97.1	1.9	98.1
All Other	0.5	100.2	2.8	99.9	2.0	100.1

CLASSIFICATION	1-64 Richmond	puo	1-95 Petersburg	5 burg	1-81 Bristol	itol	I-I	I-581 · Romoke	1-264 Norfolk	64 Jolk	J-t Ham	1-64 Hampton	1-95 Fairfax	g á
	No.	ક્ક	No.	ŵ,	No.	کو	No.	£F	No.	£E	N.	£°	No.	Ec
BEER: Cans: aleminem nonaleminem	569	 	140	7.1	120	x x v <del>i</del>	103 1.6	25 E	1161	11. 6	458	29.6	409 310	3.1
Bothes: returnable nonretarnable Carlons Total	131 27 727	1.9 0.4 10.3	212	3.6 0.1 10.7	110 0 330	5.3	° 88 5	. 8. 9. 7. 7. 7. 7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	287 187 1875	12.0 17.3	115 111 584	37.4	0 98 0 7 13 30 0	9.2 9.3 8.5
Wor't DRINK: Cans: abencianes nondeminan Bottles: returnable nonreternable Cartons Total	184 4 79 0	2.6 0.1 1.1 3.8	71 12 68 0 151	3.6 0.6 3.4 7.6	6 21 21 34 34 235	8.6 1.0 1.6	91 52 0 52 91 52 0 52	3.5 	354 0 74 0	5.0 8.0	121 121 142 143 143 143 143 143 143 143 143 143 143	8.00 1.00 1.00 1.00	66 152 5 48 2 273	2.10 0.00 8.00
PLASTIC SIX PACK HOLDERS:	49	0.7	11	6.0	7	0.3	16	6.0	20	e e	36	2.3	13	0,1
TAB CAN OPENERS:	1	'	0	,	0	,	0		0	,	0	,	0	
GROCERY: Paper: Daper bags other Plastic Metal Glass Tetal	271 157 95 40 0	8.2 0.6 7.7	55 2 1 4 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	x .0 .0 .4	29 52 16 14 14	1,4 2,5 0,8 0,7	53 20 20 10 0 103	5.6 1.1 1.1 0.6 - 5.9	504 101 184 185 183	6.3 2.0 1.2 0.2 0.2	32 111 27 3 0 73	0.0.7 1.7 7.4 7.5	464 137 135 57 5 798	1.4 1.4 0.6 0.1 8.1
PREFARED FOOD: Paper Plastic Total	775 45 <i>7</i> 1232	11.0 6.4 17.5	102 98 200	5.1 4.9 10.1	138 147 285	6,7 7,1 13,7	175 48 223	10.0 2.7 12.7	785 612 1397	9.9 7.7 7.6	99 59 158	6,4 3,8 10,2	586 640 1226	5.9 6.5 12.4
SNACK FUOD: Paper	585	8,3	149	7.5	26	9.4	ŗ	i~	82.8	<u>.</u> :	£5	0.7	125	1.3
TOBACCO: Paper Plastic Metal Total	652 0 0 652	9.2	391 1 0 392	19.7 0.1 - 19.8	295 0 0 0 295	14.2	263 2 0 2 0 265	15.0 0.1 - 15.1	306 0 0 0 0 0 0 0	10,1	209 0 1 210	13.5 - 0.1 13.6	266 0 266 266	2.7
AUTOMOTIVE: Glass Metal: oil cans other labber: tree	13,800	0.5	0 0 25 371	1.3	0 0 0 201	- - - - -	0 9 5 140	2.0 2.0 2.0 2.0	255 366 566	0.0 0.3	0 16 19 100	1.0	0 63 70 129	0.6 0.7 1.3
other Plastic: anti-freeze other Total	2 0 2 2 0 3	- ရ ဝ ၊ ဂi	39 s 0	0.1	0 0 105	6	20 50 50 50 50 50 50 50 50 50 50 50 50 50	1.6 - 11.5	0 0 127	1	0 0.	1 1 x	0 16 9	2.0
NEWSPAPER:	294	61	x	0.4	233		88	21	253	3,2	0		1734	17.5
HOUSEHOLD: Plastic Paper (incl. alam feil)	394 785	5.6	0 196	9.9	1+	2.0	253	5. E	1722	21.7	84	51 61 20 %	90 1205	0.9
MISC, PAPER: Cardioard Cher. paper bags)	986	1.1.0	579 C	3,1	28 250	1.3 12.0	96	5,4	20†	5, 1	23	1.5 5.5	1031 728	10.4
WINE BOTTLES.	-	٠,	-	0.1	21	i.	Ÿ	: ° 0	52	8.0	0	'	x	0, 1
TRUCOR BOTTE 1S.	10		-	5.0	Ŀ	6,3		1.1	1.0	0.1	-	e . c	10	5,1
MISC, GLASS.	0	,	=	,	-		t		а		0	,	Û	
MSC, PIASHC;	141	0.0	ję;	r n	E	6,5	29	 -:	=	-	Ξ	ı	7.3×	7,5
MisC, METAll, Cans	0 27	-0.2	II **	9.6	0 0	, ,	e g	, m	io.	6, 1	0	-	90	6.0
CUEANING AGENT TO LETTHES CONTAINERS	ę		7	0.1	0	,	21	0.1	10	0,1	Ú		11	0.1
CAWANDED ANDE	2	,	Ξ	-	5	'	ij	-	Ť	'	0	-	U.	-
C THE TOP	155	51 51	62	e. I	21	1.2	9.1	6.0	59.1	2.1	FEE	2.1	416	4.2
ROTAL A	7054	100	1980 1	100.3	2,4755 -	99.8	1750	190.0	7050	190, 1	1546	101,0	1686	100.1

Example of detailed summary-item counts and proportions by product Rimmro 1

### APPENDIX

## VIRGINIA LITTER CONTROL ACT

Sec. Sec. 10-197. Title. 10-206. Further duties of Department. 10-198. Legislative findings; purpose; intent. 10-207. Private organizations to cooperate in 10-199. Definitions. anti-litter campaign. 10-208. Authority of Department to contract. 10-200. Rules and regulations; Administrative 10-209. Penalty for violation of chapter. Process Act. 10-201. Collection and survey of litter. 10-210. Notice to public required. 10-201.1. Litter tax. 10-211. Allowing escape of load material; penalty. 10-202. Enforcement of chapter. 10-212. Tax study. 10-203. Litter receptacles; placement; penalty for violations. 10-213. Preemption of certain local ordinances. 10-204. Litter bag. 10-205. Responsibility for removal of litter from receptacles.

- § 10-197. Title. This chapter shall be known and may be cited as the "Virginia Litter Control Act." (1976, c. 757.)
- § 10-198. Legislative findings; purpose; intent. A. The General Assembly finds that the population of Virginia is increasing steadily requiring vigilance on the part of government to protect the public health and safety as well as to maintain a healthful, clean and beautiful environment. The proliferation and accumulation of litter discarded throughout the State impairs these objectives and constitutes a public hazard, and in addition, litter tends to damage the economy of the State by making it less attractive to tourists and newcomers. There is an imperative need to anticipate, plan for, and accomplish effective litter control through a state-developed and coordinated plan of education, control, prevention and elimination.
- B. The General Assembly declares that it is the purpose of this chapter to accomplish litter control throughout the State by delegating to and vesting in the Department of Conservation and Economic Development, authority to conduct a continuous program to control, prevent and eliminate litter from the State to the maximum practical extent. Every department of State government and all governmental units and agencies of the Commonwealth shall cooperate with the Department in the administration and enforcement of this chapter.
- C. This chapter is intended to add to and to coordinate existing litter control and removal efforts, and not terminate existing efforts nor, except as specifically stated, to repeal or affect any State law governing or prohibiting litter or the control and disposition of waste. (1976, c. 757.)

§ 10-199 § 10-201

§ 10-199. Definitions. — As used in this chapter:

A. "Department" means the Department of Conservation and Economic Development;

B. "Disposable package or container" means all packages or containers intended or used to contain solids, liquids or materials and so designated;

C. "Litter" means all waste material including but not limited to disposable packages or containers but not including the wastes of the primary processes of mining, logging, sawmilling, farming, or manufacturing;

D. "Litter bag" means a bag, sack, or other container made of any durable material which is large enough to serve as a receptacle for litter inside the vehicle or watercraft of any person. It is not necessarily limited to the state-approved litter bag but shall be similar in size and capacity;

E. "Litter receptacle" means those containers prescribed by the Department and which may be standardized as to size, shape, capacity, and color and which shall bear the State anti-litter symbol, as well as any other receptacles suitable for the depositing of litter;

F. "Person" means any natural person, corporation, partnership, association, firm, receiver, guardian, trustee, executor, administrator, fiduciary, or representative or group of individuals or entities of any kind;

G. "Public place" means any area that is used or held out for use by the public

whether owned or operated by public or private interests;

- H. "Sold within the State" or "sales of the business within the State" means all sales of retailers engaged in business within the State and all sales of products for use and consumption within the State in the case of manufacturers and wholesalers;
- I. "Vehicle" includes every device capable of being moved upon a public highway and in, upon, or by which any person or property may be transported or drawn upon a public highway, except devices moved by human power or used exclusively upon stationary rails or tracks; and
- J. "Watercraft" means any boat, ship, vessel, barge, or other floating craft. (1976, c. 757.)
- § 10-200. Rules and regulations; Administrative Process Act. In addition to its other powers and duties, the Department shall have the power to propose and to adopt rules and regulations necessary to carry out the provisions, purposes and intent of this chapter pursuant to the Administrative Process Act, § 9-6.14:1 et seq. of the Code of Virginia. (1976, c. 757.)
- § 10-201. Collection and survey of litter. The Department of Highways and Transportation shall make a collection and survey of litter to be completed by November thirtieth, nineteen hundred seventy-six, of the types and kinds of litter that are discarded in violation of the laws of the State. The survey shall include litter found throughout the State, including Standard Metropolitan Statistical Areas and rural and recreational areas. To the fullest extent possible, in Standard Metropolitan Statistical Areas the Department of Highways and Transportation shall make use of local litter and trash collection services through arrangements with local governing bodies and appropriate agencies, in the discharge of the duties imposed by this section. The Department of Highways and Transportation shall report to the Governor, the General Assembly and the Department as to the amount of litter collected pursuant to this section and shall include in its report an analysis by item, weight and volume, and, where practicable, the biodegradability of the types of products, packages, wrappings and containers which compose the principal amounts of the litter collected. The products whose packages, wrappings and containers constitute the litter shall include, but not be limited to the following categories:
  - 1. Food for human or pet consumption.

§ 10-201.1 § 10-203

2. Groceries.

.3. Cigarettes and tobacco products.4. Soft drinks and carbonated waters.

5. Beer and other malt beverages.

6. Wine

7. Newspapers and magazines.

8. Paper products and household paper.

Glass containers.
 Metal containers.

11. Plastic or fiber containers made of synthetic material.

12. Cleaning agents and toiletries.

13. Nondrug drugstore sundry products.

14. Distilled spirits.

15. Motor vehicle parts. (1976, c. 757.)

§ 10-201.1. Litter tax. — A. There is hereby levied and imposed upon every person in the State engaged in business as a manufacturer, wholesaler, distributor or retailer of products enumerated in § 10-201 an annual litter tax of

two dollars and fifty cents.

B. The tax imposed hereunder shall be collected annually by the Department of Taxation in the same manner as the income tax imposed under chapter 4 (§ 58-151.01 et seq.) of Title 58, as provided by regulations promulgated by such Department. Such regulations shall not be subject to the Administrative Process Act, chapter 1.1:1 (§ 9-6.14:1 et seq.) of Title 9 of the Code of Virginia. All pertinent provisions of Title 58 relating to administration and collection of income taxes shall be applicable, mutatis mutandis. (1976, c. 757.)

Effective date. — Clause 2 of the 1976 act adding this chapter provides that "the tax imposed by § 10-201.1 shall be only effective for

taxable years beginning in the year nineteen hundred seventy-six."

§ 10-202. Enforcement of chapter. — The Department may designate its trained employees to be vested with police powers to enforce and administer the provisions of this chapter and all rules and regulations adopted hereunder. The Department shall also have authority to contract with other State and local governmental agencies having law-enforcement powers for services and personnel reasonably necessary to carry out the provisions of this chapter. In addition, all law-enforcement officers in the Commonwealth of Virginia and those employees of the Commission of Game and Inland Fisheries vested with police powers shall enforce the provisions of this chapter and all rules and regulations adopted hereunder and are hereby empowered to arrest without warrant, persons violating any provision of this chapter or any of the rules and regulations adopted hereunder. All of the foregoing enforcement officers may serve and execute all warrants and other process issued by the courts in enforcing the provisions of this chapter and rules and regulations adopted hereunder. (1976, c. 757.)

\$ 10-203. Litter receptacles; placement; penalty for violations. — A. On or after July one, nineteen hundred seventy-seven, the Department shall design and adopt by rule or regulation one or more types of litter receptacles which are reasonably uniform as to size, shape, capacity and color, for wide and extensive distribution throughout the public places of the State. Each such litter receptacle shall bear an anti-litter symbol designed and adopted by the Department. All litter receptacles shall be designed to attract attention and to encourage their use.

§ 10-204 § 10-206

B. Litter receptacles of the uniform design shall be placed along the public highways of the State and at all parks, campgrounds, trailer parks, drive-in restaurants, gasoline service stations, parking lots, shopping centers, retail store parking lots, parking lots of major industrial and business firms, marinas, boat launching areas, boat moorage and fueling stations, public and private piers, beaches and bathing areas, and other public places within the State as specified by rule or regulation of the Department. The number of such receptacles required to be placed as specified herein shall be determined by a formula adopted by the Department and related to the need for such receptacles.

C. A person owning or operating any establishment or public place in which litter receptacles of the uniform design are required by this section shall procure and place such receptacles at his own expense on the premises in accord with

rules and regulations adopted by the Department.

D. Any person who fails to place and maintain such litter receptacles on the premises in the number and manner required by rule or regulation of the Department, or who violates the provisions of this section or rules or regulations adopted hereunder shall be subject to a fine of fifteen dollars for each day of violation. (1976, c. 757.)

- § 10-204. Litter bag. The Department may design and produce a litter bag bearing the State anti-litter symbol and a statement of the penalties prescribed for littering. Within one year after the effective date of this chapter, such litter bags may be distributed by the Division of Motor Vehicles at no charge to the owner of every licensed vehicle in the State at the time and place of the issuance of license or renewal thereof. The Department may make such litter bags available to the owners of watercraft in the State and may also provide such litter bags at no charge for tourists and visitors at points of entry into the State and at visitor centers to the operators of incoming vehicles and watercraft. (1976, c. 757.)
- § 10-205. Responsibility for removal of litter from receptacles. The responsibility for the removal of litter from receptacles placed at parks, beaches, campgrounds, trailer parks, and other public places shall remain upon those State and local agencies now performing litter removal services. The removal of litter from litter receptacles placed on private property used by the public shall remain the duty of the owner or operator of such private property. (1976, c. 757.)
- § 10-206. Further duties of Department. In addition to the foregoing duties the Department shall:

A. Serve as the coordinating agency between the various industry and business organizations seeking to aid in the anti-litter effort;

B. Recommend to local governing bodies that they adopt ordinances similar to

the provisions of this chapter;

C. Cooperate with all local governments to accomplish coordination of local anti-litter efforts;

D. Encourage, organize, and coordinate all voluntary local anti-litter campaigns seeking to focus the attention of the public on the programs of the State to control and remove litter;

E. Investigate the availability of, and apply for, funds available from any private or public source to be used in the program provided for in this chapter;

F. Allocate funds annually for the study of available research and development in the field of litter control, removal, and disposal, as well as study methods for implementation in the State of such research and development. In addition, such fund may be used for the development of public educational programs concerning the litter problem. Grants shall be made available for these purposes to those persons deemed appropriate and qualified by the Board of the Department;

§ 10-207 § 10-212

• G. Investigate the methods and success of other techniques in the control of litter, and develop, encourage and coordinate programs in the State to utilize such successful techniques as may aid in the control and elimination of litter; and

H. Report to the Governor and the General Assembly by December fifteenth, nineteen hundred seventy-six, on its proposed plan of litter control. (1976, c. 757.)

- § 10-207. Private organizations to cooperate in anti-litter campaign. To aid in the statewide anti-litter campaign, all business, industry and private organizations which are active in anti-litter efforts are requested to cooperate with the Department so that the State anti-litter campaign may be made more effective. (1976, c. 757.)
- § 10-208. Authority of Department to contract. The Department shall have the authority to make and enter into contracts with other State agencies, local agencies, or local governing bodies, to carry out the purposes and provisions of this chapter. (1976, c. 757.)
- § 10-209. Penalty for violation of chapter. Every person convicted of a violation of this chapter for which no penalty is specially provided shall be punished by a fine of not more than twenty-five dollars for each such violation. (1976, c. 757.)
- § 10-210. Notice to public required. On and after July one, nineteen hundred seventy-seven, pertinent portions of this chapter shall be posted along the public highways of the State and at public highway entrances to the State and in all campgrounds and trailer parks, at all entrances to State parks, forest lands, recreational areas, at all public beaches, and at other public places in the State where persons are likely to be informed of the existence and content of this chapter and the penalties for violating its provisions. (1976, c. 757.)
- § 10-211. Allowing escape of load material; penalty. No vehicle shall be driven or moved on any highway unless such vehicle is constructed or loaded to prevent any of its load from dropping, sifting, leaking or otherwise escaping therefrom. Provided, however, that sand or any substance for increasing traction during times of snow and ice may be dropped for the purpose of securing traction, or water or other substance may be sprinkled on a roadway in the cleaning or maintaining of such roadway by the State or local government agency having that responsibility. Any person operating a vehicle from which any glass or objects have fallen or escaped, which could constitute an obstruction or damage a vehicle or otherwise endanger travel upon such public highway shall immediately cause the highway to be cleaned of all glass or objects and shall pay any costs therefor. Violation of this section shall constitute a Class 1 misdemeanor. (1976, c. 757.)

Cross reference. — As to punishment of Class 1 misdemeanors, see § 18.2-11.

- § 10-212. Tax study. The Department of Taxation, in conjunction with the Department of Conservation and Economic Development shall conduct a study to determine the best method of taxation whereby the burden of administering this chapter will fall on those industries that manufacture or handle products that contribute to the litter problem. The departments shall consider methods of taxation that are fair and equitable, administratively practicable and that avoid multiple taxation of the designated tax base. The results of such study shall be included as part of the report required by § 10-201. (1976, c. 757.)
- § 10-213. Preemption of certain local ordinances. The provisions of this chapter shall supersede and preempt any local ordinance not enacted prior to January one, nineteen hundred seventy-six, which requires a deposit on a disposable container or package. This section shall expire on June thirtieth, nineteen hundred seventy-seven. (1976, c. 757.)

§ 18.2-140. Destruction of trees, shrubs, etc.; depositing trash. — It shall be unlawful for any person to pick, pull, pull up, tear, tear up, dig, dig up, cut, break, injure, burn or destrey, in whole or in part, any tree, shrub, vine, plant, flower or turf found, growing or being upon the land of another, or upon any land reserved, set aside or maintainted by the State as a public park, or as a refuge or sanctuary for wild animals, birds or fish without having previously obtained the permission in writing of such other or his agent or of the superintendent or custodian of such park, refuge or sanctuary so to do, unless the same be done under the personal direction of such owner, his agent, tenant or lessee or superintendent or custodian of such park, refuge or sanctuary.

Any person violating this section shall be guilty of a Class 3 misdemeanor; provided, however, that the approval of the owner, his agent, tenant or lessee, or the superintendent or custodian of such park or sanctuary afterwards given in writing or in open court shall be a bar to further prosecution or suit. (Code

1950, § 18.1-178; 1960, c. 358; 1975, cc. 14, 15; 1976, c. 757.)

The 1976 amendment deleted "or to deposit any trash, debris, garbage or litter thereon" near the middle of the first paragraph.

## LITTER SURVEY IN VIRGINIA - DETAILED RESULTS

þ

Stephen N. Runkle Research Analyst (The opinions, findings, and conclusions expressed in this report are those of the author and not necessarily those of the sponsoring agencies.)

Virginia Highway & Transportation Research Council
(A Cooperative Organization Sponsored Jointly by the Virginia Department of Highways and Transportation and the University of Virginia)

Charlottesville, Virginia

January 1977

"Litter Survey in Virginia — Detailed Results"

ŝ

Stephen N. Runkle Research Analyst

and the results of the data analyses were published in the report "Litter Survey in Virginia". (1) During its last session, the General Assembly of Virginia passed the "Virginia Litter In the report it was indicated that the detailed survey data would be made available at a later Control Act", which in part assigned to the Department of Highways and Transportation the violation of the laws of the state. This survey was completed during the summer of 1976, responsibility for conducting a survey of the types and kinds of litter being discarded in

down into several product group classifications for each of the sites included in the survey. The purpose of the present report is simply to present the detailed data as broken

ways, secondary highways, urban areas, and recreational areas. Tables 1 - 7 contain locational data for all sites within the seven types of areas mentioned as well as gross sample information Also indicated in Tables 1 - 7 are the numbers of days of litter accumulation at the sites repreindicating the total weight, cubic yards, and number of items contained in each of the samples. highways, rural interstate highways, arterial primary highways, non-arterial primary high-The data are grouped into seven general categories, depending on the types of areas from which the samples were obtained. These general categories include urban interstate sented by the samples.

For each of the seven area types, the data for each sample were sorted into detailed i.e., item count, weight, and volume, the proportions of the samples falling in the product group classifications were computed. Summaries from the computations are presented in product group classifications on the basis of item count, weight, and volume.

TABLE 1

LOCATIONAL AND GENERAL SAMPLE DATA - URBAN INTERSTATE

	Site		Number of	Weight.	Volume	£	
Route	City	Location	Items	(Lbs.)	(Cu. Ft.)	Days	AVD
I-64	Richmond	MP. 16.60 - 17,10	7054	646.7	187, 6	9	58,730
I-95	Petersburg	MP. 13.90 - 14.40	1982	220.6	29.8	જ	18,680
I-81	Bristol	MP. 6.00 - 6.50	2075	224.5	45.1	0.2	16,430
1-581	Roanoke	MP. 1.80 - 2.30	1750	134.8	45.7	47	30,900
I-264	Norfolk	MP. 3.70 - 4.20	8119	546.7	169.0	98	75,750
I-64	Hampton	MP. 14.10 - 14.60	1546	195.4	34.8	8	34,455
I-95	Fairfax	MP. 12.50 - 13.00	3 9891	1216.6	461,4	183	100,750

TABLE 2

LCCATICNAL AND GENERAL SAMPLE DATA - RURAL INTERSTATE

Route	Site	Location	Number of Items	Weight (Lbs.)	Volume (Cu. Ft.)	Days	AVD
				`	,		
I-64	Louisa	MP. 5.05 - 5.55	985	136.0	21,0	44	10,170
1-77	Bland	MP. 2.80 - 3.20	849	68.5	11.3	.02	5,670
I-85	Dinwiddie	MP. 13, 70 - 14, 20	1527	198.4	38,0	ı	10,035
I-81	Shenandoah	MP. 19, 36 - 19, 86	1511	189.3	20.0	26	10,660
I-64	York	MP. 16,80 - 17,30	1358	183.7	36,4	n 61	15,000
I-95	Spotsylvania	MP. 14, 40 - 14, 90	1203	105.6	36,4	80	31,045
I-81	Montgomery	MP. 15.20 - 15.70	788	59.0	14.2	84	16,555
I-66	Pr. William	MP. 9.60-10.10	1569	208.6	16.8	48	18,555
I-81	Frederick	MP. 7.20 - 7.70	678	81.7	15.8	92	13,815

TABLE 3

LOCATIONAL AND GENERAL SAMPLE DATA - ARTERIAL PRIMARY

	AVD	2,810	5,370	6,925	6,770	8,240	8,745	5,665	28,500
	Days		09	42	365	69	82	41	73
Volume	(Cu. Ft.)	27.0	17.6	₹ Î. 2Z	98.4	41,0	11,9	48.6	43,4
Weight	(Lbs.)	165,2	84.0	132,6	469,5	265,2	54.7	310,7	9 *891
Number of	Items	1495	622	1182	2419	1419	429	1718	1239
	Location	MP. 10.90 - 11.40	MP. 15.00 - 15.50	MP. 11.37 - 11.87	MP. 46.31 - 46.81	MP. 31.80 - 32.30	MP. 4.00 - 4.50	MP. 8.88 - 9.38	MP. 2.36 - 2.86
Site	County	Essex	Rockingham	Amelia	Tazewell	Pittsylvania	Bedford	Northampton	Loudoun
	Route	17	33	360	460	29	460	13	7

TABLE 4

LOCATIONAL AND GENERAL SAMPLE DATA - NONARTERIAL PRIMARY

	Site		Number of	Weight	Volume	É	¥
Route	County	Location	Items	(Lbs.)	(Cu. Ft.)	Days	AVD
33	New Kent	MP. 5.80 - 6.30	2387	389.1	0 *09	99	4,345
3.	Westmoreland	MP. 19.35 - 19.85	841	92.6	20.2	69	3,160
501	Campbell	MP. 18, 68 - 19, 18	681	123.0	21.8	99	5,450
522	Culpeper	MP. 6.60 - 7.10	609	42,8	14, 7	29 χ	5,115
10	Surry	MP. 11, 68 - 12, 18	745	83.1	22,6	09	1,550
42	Augusta	MP. 16.80 - 17.30	382	46.1	8.7	89	7,575
21	Wythe	MP. 18.50 - 19.00	353	30.8	12, 1	91	3,170

## TABLE 5

## LOCATIONAL AND GENERAL SAMPLE DATA - SECONDARY

	Site	9	Number of	Weight	Volume	Dava	AVD
noni	County	rocation	neins	(1003.)	(cu. ft.)	,	
651	Chesterfield	Rt. 604 - 0.5 ml. South	1782	532,3	67.1	25	972
626	Brunswick	MP, 6.25 - 6.75	1744	257.6	51.5	370	364
622	Amherst	Between Rt. 1024 & Rt. 29	2539	247.4	54.6	123	3919
703	Albemarle	Rt. 29 - 0,5 mi. West	583	145.9	19.5	40	702
605	Lancaster	Rt. 3 - 0.5 ml. North	4408	757.5	166.4	69	729
652	Caroline	MP. 10.90 - 11.40	2102	406.5	65.7	50	278
612	Augusta	Between Rt. 906 & Rt. 907	589	87.7	18.6	127	1292
657	Clark	Rt. 340 - 0,5 mi, West	1050	107.4	35.1	4	523
625	Nottoway	Between Rt. 600 & Rt. 650	260	8.66	16.2	213	198
623	Rockingham	Between Elkton C. L. & Rt. 634	1566	231.8	55, 1	30	472
632	Coochland	Between Rt. 6 & 1-64	1392	189.5	47.8	55	1520
607	Louisa	Rt, 250 - 0,5 mi, North	955	146.3	36.0	44	183
621	Culpeper	Rt, 229 - 0.5 mi. East	729	95.5	17.6	42	467
637	Hanover	Between Rt. 656 & Rt. 652	1062	91.3	25.2	56	1714
643	Fauquier	Warrenton C. L Rt. 670	1956	200.4	47.1	147	2958
229	Campbell	Lynchburg C. L 0.5 mi. South	1334	183,6	41.5	146	848
813	Wise	Rt, A-58 - 0,5 mi. East	1932	398.3	70.0	365	1653
909	Sussex	Rt, 40 - 0,5 mi, South	1163	138, 4	29.4	57	537
647	Suffolk	Between Rt. 32 & Rt. 13	2180	235.6	72.4	274	262
630	York	· Between Rt. 17 & Rt. 173	2489	296.5	96.3	34	2653
620	Fairfax	Rt. 123 - 0.5 mi. South	1392	179.8	8.09	157	9963
614	Botetourt	Rt. 622 - 0.5 mi. East	479	71.5	11.1	93	177
614	Patrick	Rt. 645 - 0.5 ml. North	390	37.4	14.0	104	215
750	Pittsylvania	0.1 mi. West Danville C. L 0.6 mi. West Danville C. L.	2805	293.2	92.0	123	536
738	Pulaski	Pulaski C. L 0.5 mi, South	3073	380.5	75.7	114	491
641	Loudoun	Rt. 7 - 0.5 ml. South	2379	497.4	9.96	63	855
742	Wytho	Rt. 642 - 0.5 ml. South	335	29.8	12,4	92	30°E
603	Halifax	Rt, 864 - Rt, 647	2327	379.7	55.5	124	930
655	Bedford	Rt. 122 - 0.5 mi. East	1927	277.2	98.2	83	440
740	Washington	Rt. 609 - 0.5 mi. North	1816	264.4	00.0	87	522

.

TABLE 6

LOCATIONAL AND GENERAL SAMPLE DATA - URBAN AREAS

T/O							[	I			<b>1</b>	,	
Days	1	14					-			21	1	н	1
Volume (Cu. Ft.)	6.64	12, 75	1,83	53,23	10.25	2, 13	2.67	4, 93	10,32	14,08	4.28	16, 14	20.85
Weight (Lbs.)	13,65	41.60	2,21	88.71	20.85	4,53	7.27	10,85	11, 03	24,38	7.88	27.06	48.70
Number of Items	381	717	148	942	214	176	258	517	663	735	296	1127	487
Mileage	0.6	2.0	12.0	0.5	0.5	0.5	1.0	1.0	l .	3.0*	5.5*	5.0*	8.5*
Type of Sample	Hand Pick-up	Hand Pick-up	Elephant Vacs	Hand Pick-up	Hand Cart	Hand Pick-up	Hand Pick-up	Hand Pick-up	Shopping Center	Street Sweeper	Street Sweeper	Street Sweeper	Street Sweeper
City	Alexandria	Sullins College Bristol	Alexandria	Richmond	Alexandria	Bristol Downtown	Norfolk Granby Street	Norfolk Tidewater	Charlottesville Barracks Road	Danville	Charlottesville	Richmond	Alexandria

\*curb miles

TABLE 7

LOCATIONAL AND GENERAL SAMPLE DATA - RECREATIONAL AREAS

Location	Number of Items	Weight (Lbs.)	Volume (Cu. Ft.)	Days
Washington Park Charlottesville	358	51,30	8, 02	П
McIntire Park Charlottesville	924	19, 70	10,58	1
Belmont Park Charlottesville	88	13, 09	1,44	Н
Danville Playground	2134	86.42	32, 75	2
Norfolk Zoo	1168	45.25	25.01	1
Norfolk Botanical Gardens	1420	50.95	29,97	1
Norfolk Lakewood	166	6.02	3,30	1
Norfolk City Park	168	12.03	2,93	1
Winchester Park	686	37.19	15,45	1
Pocohantas Campgrounds	82	4.11	26 *0	1

CLASSIRICATION	l-64 Richmond	i send	I- Peter	I-95 Petersburg	I-81 Bristol	in stol	Ro	1-531 Rosmoke	1-2 Nor	1-264 Norfolk	Han	1-64. Hampton	I-95 Fairfax	95 fax
	Ño.	ę\$:	No.	₩	No.	يع	No.	₽Ķ	No.	%	No.	89	No.	₽÷
BEER: Cans: aluminum notaliminum	569	8.	140	7.1	120 100	8.8 8.8	102 91	5.8	1971	14.6	458	29.6	409	4.1
boules: returnable nonreturnable Cartons Total	131 27 727	1.9 0.4 10.3	71 71 1 212	3.6 0.1 10.7	110 0 330	5,3 15,9	58 13 264	3.3 0.7 15.1	187 27 1375	2.4 0.3 17.3	0 115 11 584	7.4	98 23 840	1.0 0.2 8.5
SOFT DRINK: Cans: aluminum					٠		6	0					g.	2
Pottle	184	2. 6	7 5	9 9 6 0	178	. w .	25.	3.0	394	5.0	127	8.3	152	
nonreturnable	. 67	1.1	89	. v.	34	1.6	31	1.8	74	0.9	1 21	. 8.0	ი <del>გ</del>	0,1
Carlons Trail	267	3.8	151	7.6	239	11.5	85	4.9	468	5.9	142	9.2	2 27 22	2.8
PLASTIC SK PACK HOLDERS:	49	0.7	21	6.0	7	0,3	16	6.0	20	0.3	36	2.3	13	0.1
TAB CAN OPENERS:	1	-	0		0		0	'	0	'	0		0	,
CHOCERY, Dances, second L.	E	6	٤		É	]				į,	,			
onocant: Paper bags other Plastic Metal	271 157 95 40	აყ. აფია	35 14 14 14	0.0 0.7	25 25 41 41	4.2.2.0	2007 1007 1008	8 H H C	504 161 96		27 133	1.7	464 137 135	4.1.1.c
Glass Total	613	8.7	93	4.6	112	1 10	103	9.6	783	9.8	0 62		798	0.0
PREPARED FOOD: Paper Plastic Total	775 457 1232	11.0 6.4 17.5	102 98 200	5.1 4.9 10.1	158 147 285	6.7	175 48 223	10.0 2.7 12.7	785 612 1397	9.9 7.7 7.6	99	6.4	586 640 1226	5.9 6.5 12.4
SNACK FUOD: Paper,	587	8.3	149	7.5	95	4.6	83	4.7	378	4.8	62	4.0	125	1.3
TOBACCC: Paper Plastic	652	2	291 1	19.7	295	14.2	263 2	15.0 0.1	908	10,1	209	13.5	266	2,7
Metal . Total	652	9.2	392	19.8	295	14.2	0 265	15.1	806	10.1	210	0.1 13.6	266	2,7
AUTOMOTIVE: Glass	00		00		00	-	0	, ,	0 5	, ;	0		0 5	, ,
Buthon ten	38	0.5	25	1.3	005	1 1 0	82.5	.00	98	0.00	19	110	20.5	0.7
monet: ure	88	0.4		• •	0		821	1,6	20	š ,	30		621	F. 7
Flastic: anti-frocze other	0	1 0	81 8	0.1	0	, ,	0	, ;	0	,	.0		91	0.2
NEWSDADED.	307	6.3	080	20.1	102	7.6	707	11.5	127	1.6	135	8.7	287	6,1
	107	,	0	*,	3	7:	83	2.2	253	3.2	0		1734	17.5
	394 785	5.6	196	9.0	41	2.0	253	14.5	1732	21.7	43	6. 6. 6. 8.	90 1205	0.9 12.2
MISC, PAPER; Cardboard Other (incl. paper bags)	986	14.0	62	3.1	28 250	1.3	95 0	5,4	402 0	5.1	23 8	1.5	1031 728	10.4 7.4
WINE BOTTLES.	-	,	1	0,1	2	0.1	ιo	0,3	25	0.3	0		s	0.1
LIQUOR BOTTLES.	ß	0.1	4	0,2	7	0.3	1	0.1	10	0.1	4	0.3	10	0.1
MISC, GLASS.	0	_	0	1	1	-	0		c	'	0	,	0	,
MISC, PLASTIC:	141	2.0	26	3.8	134	6.5	33	1.9	0	ı	0	,	738	7.5
MISC, METAL: Cans Other	12	0.2	11	0.6	00	1 1	.99	3.8	က	0.1	0	,	00	0.9
CLEANING AGENT TOILETRIES CONTAINERS.	0	-	88	<b>7.</b> 0		'	2	0.1	. 10	0.1	0	,	11	0.1
UNWIANPED FOOD;	0	-	O.	'	C	,	0	_	0		0	,	0	
отнева	155	2.2	19	1,0	25	1.2	16	0.0	169	2.1	33	2,1	416	4.2
יואידאַ ד.	705⁴	0.00	1982	100.2	2075	8.66	1750	100.0	7950	1001	1546	101.0	9891	100.1

CJASSIFICATION	l-64 Louisa	1 1	1-77 Bland	]	I-8.	I-85 Dinwiddie	1-81 Shenendoah	doah	I-64 York		I-95 Spotsylvania	vania	I-81 Monte	I-81 Montgomery	I-66 Pr. William	; lliam
	No.	8	No.	%	No.	8	No.	ž	No.	88	No.	%	No.	8	Š.	84
BEER: Cans: alum	155	15.7	77	9.1	325	21.3	33.8	2.4	458	33.7	88 67	7.3	69	8.8 9.1	216 157	13.8
Bottles: returnable nonreturnable	99		12	1.4	40	2.6	15	1.0	20	3.7	27	2.2	22	8	90.	5. :
Cartons Total	9 220	0.9	3	0.4 10.8	2 367	0.1 24.0	1 87	5.5	0 508	. 37.4	5	0.4	3 166	0.4	15 478	30.5
SOFT DRINK: Cans: alum	52	5.3	53	6.2	134	8.8	2	0,3	111	8.2	46	8.8	e .	0.4	138	1:1
hon-alum Bottles: returnable	7	•	0	•	3	0.3	4. 0	8.1.			17 5	6.0	102	0.1	ဂ္ဂ ၈	0.2
nonreturnable	210	2 1	% O	0.2	ရှ ၀ ၁	0.1	ж <b>э</b>	0.5	90	4.0	. 27		5° 0	2.9	<del>1</del> 4	2.8 0.1
PLASTIC SIX PACK HOLDERS.	11	7.2	55	6.5	149	8.6	69	8.8	118	8.7	149	12.4	129	16.4	116	c
TAB CAN OPENERS.	-		39	9 6	c		6	1		'		'			-	,
	, 		;		,		,		,		,		,		>	
GROCERY: Paper: paper bags other	0 9	0.6	8 OI	0.9	38	2.5	E 01	0.8 0.6	28 76	2.1 5.6	21		11	۱ <del>۲</del>	30	1.3
Plastic Metal	50 20	2.0	8 8	0.9	တယ	0.5	20		00	1 1	13 33	2.7	11	1.4	38	2.0
Glass Total	92 0	5.6	۳ <u>۲</u>	6.4	5 103	6.7	33 0	2.1	1 105	7.7	1 89		36 0	3.3	103	6.6
PREPARED FOOD: Paper Plastic Total	32 50 82	8.3 8.3	43 0 43	5.1	196 99 295	12.8 6.5 19.3	52 74 126	3.3 4.7 8.0	93 25 118	6.8 1.8 8.7	73 63 136	6.1 5.2 11.3	58 27 85	7.4 3.4 10.8	102 225 327	6.5 14.3 20.8
SNACK FOOD: Paper	100	10.2	99	7.8	72	4.7	212	13.5	53	3.9	09	5.0	63	8.0	47	3.0
TOBACCO: Paper	126	12.8	144	17.0	193	12.6	355	22.6	133	9.6	159	13.2	182	23.1	168	10.7
Flastic Metal			o =	0.1	-0	7.0			0	1 1		1 1	00	1 1	o -	0.1
Tota l	126	12.8	145	17.1	194	12.7	355	22.6	133	8.6	159	13.2	182	23.1	691	10.8
AUTOMOTIVE: Glass Metal: oil cans	2 2	0.2	0		0 01	0.7	0 4	0.2	111	0.1 0.8	0 25	2.1	0 9	0.8	0 4	0.3
	17	1.7	1.7	9.0	‡ 17		15	1.0	2 7 7 23	1.7	18	1.5	00	1 1	15	1.0
all coord	50	;	0	'			0	· ·	0	;		. 1	00	•		0.0
Flastic: anti-freeze other	9	9.0	9	0.7	0	•	0	ı	7	0.1	0		0		7	0.4
Tonl	76	9.5	125	14.7	62	7	551	35.1	82	6.0	124	10.3	9	0.8	16	5.8
NEWSPAPER;	9	9.0	0	'	20	1.3	ı,	0.3	13	1.0	3	0.2	0	7	-	÷.0
HOUSEHOLD: Plastic Paper (incl., alum foil)	126	12.8	99	7.8	0 137	9.0	26 71	1.7	27 119	8.8	91	0.6	43	8 . 10 . 10 .	34	c: 4.
MISC, PAPER: Cardboard Other (incl. paper bags)	27	2.7	10 8	1.2 0.9	52 12	3.4 0.8	12 0	8.0	24 17	1.8	45 112	3.7 9.3	43	5.5	32 15	2.0
WINE BOTTLES:	1	0.1	0	1	1	0.1	0	1	2	0.1	0	ı	0		-	0.1
LIQUOR BOTTLES.	7	0.2	4	0.5	α.	0.1	81	0.1	1	0.1	2	2.0	О.	'	1-	0.4
MISC, GLASS:	0	1	0	1	0	'	0	-	0	'	0		0	'	0	1
MISC, PLASTIC:	41	4.2	11	1.3	27	1.8	ø	0.6	11	9.0	35	2.9	*	0.5	59	3.8
MISC, METAL: Cans Other	04	0.4	23.3	0.4	0		00	1 1	0	0.1	0	0.1	00	1 1	15	1.0
CLEANING AGENT TOILETRIES CONTAINERS.	0	-	0	-	9	0.4	1	0.1	0	•	0	•	0	•	-	0.1
UNWRAPPED FOOD;	٥	-	٥	1	1	0.1	0	1	0	•	0	-	0	1	0	1
O. TER:	23	2.3	113	13.3	24	1.6	13	0.8	17	1.3	19	1.6	11	1.4	12	1.1
Total	986	6.66	849	100.2	1.527	1001	1571	1001	1358	100.2	12.03	0.001	788			100 2

	No.	86
BEER: Cans: alum non-alum	34 30	5.0
Bottles: returnable non-returnable	56	3.8
Cartons Total .	e	0.4
SOFT DRINK: Cans: alum	r 5	1.0
Bottles: returni	3 - t	
Cartons Cartons	ဒ္ဝ (	יו מ
PLASTIC SIX PACK HOLDERS:	3	0.4
TAB CAN OPENERS:	0	
GROCERY: Paper: paper bags	17	2.5
υ	3	C. 5.
Metal Glass	20	2.9
Total	58	8.6
PREPARED FOOD: Paper Plastic Total	28 49 77	4.1 7.2 11.4
SNACK FOOD: Paper Plustic	57	%. 4.
TOBACCO: Paper Plastic Metal	113 4 0	16.7 0.6
Total	117	17.3
AUTOMOTIVE, Glass Metal: oil cans other Rubbor: tire	0 2 6 5 4	1.3
Plastic: anti-freeze other Total	1 63	0.1
NEWSPAPER;	80	1.2
HOUSEHOLD: Plastic Paper (incl. alum foil)	10 32	1.5
MISC, PAPER: Cardboard Other (incl. paper bags)	13 39	1.9
WINE BOTTLES:	-	0.1
LIQUOR BOTTLES:	-	0.1
MISC, GLASS:	0	
MISC, PLASTIC:	15	2.2
MISC, METAL: Cans Other	0 2	0.3
CLEANING AGENT TOILETRIES CONTAINERS:	2	0.3
UNWRAPPED POOD:	0	-
O'TIER:	77	ċ

CLASSIFICATION	Essex	: <b>1</b>	Rt. 53 Rockingham	ks gham	Hr. 360 Ameila		Rt. 460 Tazewell	60 ell	Rr. 3 Pitte	Rt. 29 Pittsylvania	Rt. 4 Bedf	Rt. 460 Bedford Co.	Rt. 1 Northan	Rt. 13 Northampton Co.	Rt. 7 Loudoon Co.	n Co.
	No.	ક્ક	No.	€	No.	عو	Nc.	254	No.	bjé	No.	3	No.	ષ્ટ્	No.	₹.
BEER: Caus; alum non-slum	272	18.1	173	22.2	280	23.7	508	21.0	279 242	19.7	25 34	5.8	256	14.9	43. 43. 88	12.4
Bottles: returnable nonreturnable	96	6.3	65	8.3	39	3.3	188	8.	87	6.1	20	4.7	21.4	12.5	61	6.9
Cartons Total	378	0.5	8 246	1.0 31.6	325	0.5	723	1.1	13	43.8	4 83	0.9	23 499	1,7	10	0.8
SOFT DRUK: Cans: alum	25	1.7	4.2	5.4	861	10.8	571	9.8%	21	1,5	1	0.2	116		5	4.0
non-alum Bottles: returnable	9	0.4	-	0.1	-	0.1	19	8.0	95	1.8	49	11.4	11°	1.0	32	2.6
nonreturnable Cartons	81		25	3.2	21	8.1	98	3.6	17	2,0		2.1	23		- 25	
Total	112	7.5	68	8.7	150	12.7	676	27.9	100	11.3	65	15.2	346	20.1	99	5.3
PLASTIC SIX PACK HOLDERS;	36	2.4	10	1.3	2	0.2	∞	0.3	14	1.0	က	0.7	0	-	28	2.3
TAB GAN OPENERS:	304	20.2	0	'	С	,	0	1	0	-	0	_	0	-	0	
GROCERY: Paper: paper bags	59	3.9	40	5,1	56	2.2	86	4.1	23	1,6	15	3.5	104	6.1	53	4.7
other Plastic	87.6	0.6	D 64	0.3	30	1.0	25.	3.0 9.0	္တင္	. 3 . 1	∞ r-	1.9	35	2.0 1.2	30 0	2.4
Metal Glass Total	28 139	1.9 10.6	r-0 20	0.0	N O O	2 I G	17 0 227	7.0	30	2.0	40 %	6.0	9 2	6.0	1-0 g	6,0 6 1
PREPARED FOOD: Paper Plastic	52 14	3.5	76 40	9.8	93	8.4	158 101		109	7.7	38	8.9	49	2.9	86	6.5
Total	99	4.4	116	14.9	, 152	12.9	259	10.7	146	10.3	68	15.9	81	7-1	503	6.91
SEACK FOOD: Paper	86	6.5	69	8.9	92	6,4	57	2.4	99	4.7	13	3.0	72	4.2	87	2.0
TOBACCO: Paper Plastic Model	100	6.7	92	11.8	128 0	10.8	101	4.2	144	10.1	30	7.0	66 86	5.4	52	2 -
Metal Total	o. 01	6.7	95	11.8	128	10.8	101	4.2	144	10.1	- ဇ္က	7.0	ე 86	5.4	25	1.2
AUTOMOTIVE: Glass Metal: oil cans	3	0.2	Ois	0.6	00	1 1	00	1 1	1 9	0.1	00	1 1	0	1 67	0 15	1 4
	HO:	0.1	00	, ,	24 82	6.9		0.3	63	4.4	N O	0.5	5 116	6.0	4 1.	5.0
other Plastic: anti-freeze		, ,	00	1 1	- ពួ	1.9	0 0	1 1	o 0	4. 1	0 0		0 0	1 1	0 0	, ,
otne <b>r</b> Total	4	0.3	22	9.0	129	10.9	œ	0,3	87	6.1	2	0.5	127	7.4	92	ت ت
NEWSPAPER:	9	0.4	9	0.8	œ	0.7	19	8.0	0	-	1	0.2	26	1.5	33	2. 7
HOUSEHOLD: Plastic Paper (incl. alum foil)	59	3.9	52	6.7	61	5.2	137	5.7	61	4.3	1 7	0.2 1.6	20 120	$\begin{array}{c} 1.2 \\ 7.0 \end{array}$	85 84	6.9
MISC, PAPER: Cardboard Other (incl. paper hags)	70 4	4.7	14	1.8	ပ္လ ဝ	2.1	3c 0	1.5	00	1 1	8 62	1.9	91	5,3	0 0	r- 1
WINE BOTTLES:	10	0.7	0	i	1	0.1	0	-	1	0.1	2	0.5	7	0.4	0	·
LIQUOR BOTTLES.	10	0.7	8	1.0	5	0.4	8	0.3	8	9.0	1	0.2	13	1.1	9	0.5
MISC, GLASS.	50	3.3	2	0.3	14	1.2	43	1.8	0	ı	0		0		0	<u> </u>
MISC, PLASTIC:	33	2.2	29	3.7	29	2.5	73	3.0	0	-	21	4.9	29	3.0	0	'
MSC, METAL: Cans Other	00	1 1	0	0.1	0	1 1	29 0	1.2	0	l j .	0 7	1.6	00	1 1	٦.0	' 0
OLEANING AGENT TOILETRIES CONTAINERS.	3	0.2	0	· •	٥		0	•	0	ı	0	,	0		0	ľ
UNWRAPPED ROOD:	0	'	0	-1	0	•	0	•	0	,	٥	·	۰	,	°	·
OTHER:	0		3	0.4	7	9.0	15	9.0	22	1.6	4	6.0	٥			<b>8</b>
Total	1502	100.2	779	100.0	1182	1.00.1	2419	100.0	1419	100.2	429	99.9	8171	9.66	1239	100,1
	:   											-		The Control of the Co	_	The state of the state of

CLASSIFICATION	Rt. 33 New Kent		Rt. West M	Rt, 3 West Moreland	Rt. 591 Campbell	501 5ell	lit, 522 Odpeper	22 er	Rt. 10 Surry Co.	ė	Rt, 42 Augusta Co.	42 a Co.	Pt. 21 Wythe Co.	21 Co.
	No.	85	No.	<sub>S</sub> e	No.	8	No.	×	No.	86	No.	80	No.	be <sup>c</sup> :
BEER: Cans: alum	844	35.4	. 232	27.6	206	30.2	63	12.4	144	19.3	19 50	5.0 13.1	27 35	7.5
Bottles: returnable nonreturnable	133	5.6	દુ	6.5	59	8.7	16	3.1	22	3.3	38	9.9		1.7
Cartons Total	23 1000	1.0 42.0	4 291	0.5	12 277	1.8	11 90	2.2	6 175	0.8 23.5	108	0.3	3 71	0.8
SOFT DRINK: Cans. alum	133	5.6	25	3.0	51	7.5	13	2.6	39	5.2	၁င္က	6 1	0 %	9
Bottles: returnable	t- 9	0.3	0 9	١,	9	6.0	0	1 (	es (	0.4	30;	 ;	300	6.01
nonredirmable Cartons Total	99 239	4.1	47 0 72	9 - 8 8 - 8	20 6	8.7	4 0 11	3, 6,8	25	7.0	15 45	3.9 - 11.8	0 e 2	0.8
PIASTIC SIX PACK HOLDERS:	32	1.3	26	3.1	3	0.4	6	1.8	0	-	4	1.0	9	1.7
TAB CAN OPENERS:	0	-	0	_	0	1	0	-	0	,	0		0	-
GROCERY: Paper: paper bags other Plastic Metal	106 56 21 8	4.0 0.0 4.4 0.0	26 20 20	23.1 2.4	36	1.0	32 0 0	9.8 6.3	25 53 11	3.4	10 4 4 6	2.6 1.0 1.3	51 0 4 8	3.3 2.5 1.1
Glass Total	0 191	8.0	0 22	- 0	21 12	0.3	88	17.3	0 97	13.0	23	6.0	0	. 2.8
PREPARED FOCD: Paper Plastic Total	178 212 390	7.5 8.9 16.4	57 23 80	6.8 7.7	69 19 88	10.1 2.8 12.9	46 41 87	9.0 8.1 17.1	37 46 83	5.0 6.2 11.1	0 17 17	- 4.5 6.4	3.6 5.2 5.8	10.0 6.1 16.1
SNACK FOOD: Paper	74	3.1	69	8.2	54	7.9	78	15.3	48	6.4	52	13.6	42	11.7
TOBACCO: Paper Plastic Metal Total	89 0 89	3.7	73 0 0 73	7.8	52 0 0 52	7.6	.55 0 55	10.8	68 0 0 89	9.1	45 0 0 45	11.8	29 0 0 29	6.1 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1
AUTOMOTIVE: Glass Metal: oil cans	0 9	0.5	00		10	0.2	00	W.	0	1 1	00	, ,	0 -	0.3
other Rubber: tire	82 22	3.4.6	<u> </u>	111	4 6 0	9.0	e 8 0	0.0 4.1	4 1 0	0.9	9-0	0.3	-140	0.3
Plastic: anti-freeze other	0	1	0	,	0	,	0	,	0.		_	0.3	-	6.3
Total	100	4.4	٥	-	12	1.8	5	1.0	11	1.5	12	3.1	2	1.9
NEWSPAPER:	2	0.4	9	0.7	7	1.0	14	2.8	28	3.8	0		0	-
HOUSEHOLD: Plastic Paper (incl., alum foil)	72	3.0	44	5.2	47	6.9	0	,	83	11.1	40	1.0 10.5	5 25	1.4
MISC, FAPER: Cardboard Other (incl. paper bags)	76 0	3.2	99 99	0.6 7.8	† 0	0.6	1.1	2.2	14 55	1.9	5 18	1.3	8 21	5.8
V. INE BOTTLES:	80	0.3	0	•	2	0.3	0	1	-	0.1	-	0.3	0	'
LIQUOR BOTTLES:	17	0.7	0	ı	4.	9.0	1	0.2	2	0.3	0	1	1	0.3
Wisc. GLASS:	0	•	0	-	0	1	0	1	0	,	0	,	0	,
MISC. PLASTIC:	63	2.6	91	1.9	13	1.9	0	•	16	2.1	<b>®</b>	2.1	10	2.8
MISC. METAL: Cans Other	01	1 1	00	1 1	0 %	. 4.	00	1 1	00	1 1	00	1 1	00	1 1
CLEANING AGENT TOILETRIES CONTAINERS.	က	0.1	o	•	0	ı	48	9.4	1	0,1	0	ı	0	,
UNWRAPPED FOOD:	0	1	0	1	0	•	0	1	0	1	0	•	0	1
O'THER:	19	8.0	15	1.8	2	0 3	908	1.2	11	1.5	382	100.0	360	1.9
Total	2387	100.0	162	100.0	105	2,50	200	• • • • • • • • • • • • • • • • • • • •	\$ E					

CLASSIFICATION	Rt. 651 Chesterfield	651 icld	Rt. 626 Brunswick	126 ri ck	St, 622 Antherst	322 st	Rt. 768 Albemarle	08 arle	Rt. 605 Lancaster	105 ter	lit. 652 Caroline	652 ine	Rt. 612 Augusta	12 ta	Ft. 557 Clarke	657 arke
	Ño.	%	No.	54	No.	85	No.	8	No.	8%	No.	86	No.	85	Ş	£5
BEER: Cans. alum	621	34.8	689	39.5	455	17.9	143	24.5	1750	39.7	468	22.3	143	24.3	361	4 4 5
Bottles: returnable	196		233	13.4	273	10.8	23	6	50 20 21	12.6	125	6	33	т.	90	
nonreturnable Cartons	81		92	8 9	13	0.7	4 5	* * °	116	9.7	21 5	8.0	, m	5.0	68 6	, w
SOFT DRINK: Cans: alim	}													3.00	ĝ,	0.01
non-alum	49		F3		821	0.0	27	9.6	240	5.4	89	27.5	88	6.4	107	
Bottles: returnable nonreturnable	20 62	3.9	18	0.1.0	23.88 23.88	0.3	205	0 E	163	3.7	170	8.1	4 62	0.7	4 15	406
Cartons	121	1 oc	105	10.9	0 ;91	1 1	0 6	1 4	3	0.1	038		0 [	1 6	0 0	
PLASTIC SIX DACK HOLDERS.			5	-	33			-	6.7		9	2			2	
	,		3		;		,		5	-	3	8:;	,	6.5	63	
TAB CAN OPENERS.	٥		0	'	72	2.8	42	7.2	٥	1	0	1	21	3.6	٥	•
GROCERY: Paper; paper bags other	96 96	8 10 r	169	2.7	138 68	4.00	5 13 e	2.2	178	1.8	950	8.9 6.5	<b></b>	1.2	27	2.3
Metal Glass Tomi	14 9 199	0.8	21 4	2.00.0	212 212 213	1.8 0.2	45 12 112	2.1	352	* C. O. S.	38 0 38 384	1.5	23 0 5	* 60 1 12	34. %	2 0 0 7
PREPARED FOCD: Paper Plastic	152		92	5.3	295	11.6	23	3.9	291	9.9	48	2.3	51	20.00	94	0.6
Total	250	14.0	129	4.5	482	19.0	47	8.1	403	9.1	115	5.5	88	15.0	130	12.4
SNACK FOOD: Paper.	30	1.7	92	5.4	148	5.8	21	3.6	59	1.3	310	14.8	23	3.9	27	2.6
TOBACCO: Paper Plastic	02	3.9	63	3.6	279 0	11.0	34	5.8	92 0	1.7	103	4.9	49	8° 1	38	3.6
Metal	0.2	3.9	63	3.6	279	11.0	34	5.8	76	1.7	103	4.9	o 64	1 ES	98 38	3.6
AUTOMOTIVE: Glass Metal: oil cans	04	0,2	0 4	0.2	00	1 '	00	1 1	0 14	0.3	00	1 1	80	0.3	0 15	0.5
	жo.	4.1.	001	1.1	-0.	1 1	- 00	0.0	m O 0	0.1	m r-	0.1	04	0.7	00	1 1
Plastic: onter other		: :		1 1		1 1			<b>&gt;</b> 0	, ,	- 0		o H	0.2	0 0	1 1
Total	14	0.8	7	0.2	8	0.1	e	0.5	17	0.4	10	9.4	7	1 2	5	0,5
NEWSPAPER;	23	1.3	ıs	0 3	31	1.2	εν	0.3	20	0.5	51	2.4	9	1.0	12	Ξ
HOUSEHOLD: Plastic Paper (incl., alum foil)	53	3.0	22	3.0	14	9.0		0.2	90	2.0	0	•	43	7.8	53	2.8
MISC. PAPER: Cardboard Other (incl. paper bags)	37 33	2.1 1.9	0	0.4	42 88	3.5	30	5.1	87	2.0	50 92	2.4	8 10	1.4	53	5.0
WINE BOTTLES:	6	0.5	9	0.3	ß	0.2		0.2	29	0.7	4	0.2	1	0.2	-	0,1
LIQUOR BOTTLES:	56	1,5	10	9.0	14	9.0	2	0.3	59	1.4	15	<i>L*</i> 0	2	0.5	က	0.3
MISC, GLASS:	34	1.9	0	•	9	0.2	13	2.2	0	1	0	-	0	٠	0	1
MISC, PLASTIC:	33	1.9	. 23	1.3	57	2.2	0	'	50	1.1	23	1.1	16	2.7	t-	0.7
MISC, METAL: Cans Other	20	0.1	0		9	0.2	1 27	0.2 4.6	0	1 1	21	1.0	6	1.5	00	1 )
CLEANING AGENT TOILETRIES CONTAINERS.	0	-	0	•	6	4.0	-	1.2	2	,	0	•	0	1	0	•
GNWRAPPED. FOOD:	0	-	0	,	0	•	0	-	0	'	0	,	٥	,	0	1
OTHER:	- 1	0.4	0		20	0.8	2	6.0	1	'	34	1.6	2	0.3	0	
- Poch	1782	1.001	1744	92.8	2539	100,0	583	6.65	4408	6.66	2102	93.8	288	100.0		100.1

CLASSIFICATION	Rt. 625 Nottoway	635 nsy	Rt Rocki	Rt. 623 Rockingham	Rt. Goochl	Rt. 632 Goochland Co.	Rt. 607 Louisa	07 3.2	itt, 621 Culpeper	21 oper	Rt, 637 Hanover Co.	537 r Co.	Rt. 643 Fauguier	43 ler	ht. 677 Campbell	naq pell
	No.	υ¢	No.	ř	Y.c.	b <sup>©</sup>	γο,	₽₽	No.	E <sup>SC</sup>	No,	o,	No.	200	No.	E.
BEER: Cans. alum non-alum	232	41.4	403	25.6	402	28.9	197	20.6	597	36.4	95 151	8.9	458	23.4		38.4
Bottles: returnable nonreturnable	4.7	4.9	153	2.6	102	7.3	611	12.5	901	14.5	49	4.6	149	j.6	13	6.1
Cartons Total	283	50.5	523	1.5	31 536	38.5	26	35.8	22 393	3.0	303	0.8	19 626	1.0	598	4.8
SOFT DRINK: Cans: akm	43	7.7	172	10.9	125	9.0	48	5.0	23	3,2	23		58	3.0	114	8.5
Bottles: returnable	10	1.8	¢1	0.1	9	<b>7</b> .0	<b>-</b>	0.1	0		5 ·c	4.0	12	0.6		•
nonretumablo Cartens Total	71 4 47	3.0 13.2	79 0 253	16.0	48 180	3.4 0.1 12.9	21 0 02	2. 1.8.	4 0 27	3.7	61	5.7	111	5.7	24 0 138	16.3
PLASTIC SIX PACK HOLDERS:	9	1.1	11	0.7	10	0.7	14	1.5	14	1.9	6	8.0	20	1.0	6.	0.7
TAE CAN OPENERS:	0	-	0	•	0		0	-	0	-	0	-	0	,	C	,
GROCERY: Paper: paper bags	0 ;	- ;	47	3.0	58	4.2	7.2	7.5	29	9.2	99	6.2	101	5.5	80	6.0
other Plastic	13 5	20°0 0.9°0	g, 0 ;	7.1	202:	0 4 ·	75 + 15 25 + 15	7.0	ភ្ល		, o	4 1 0	10	0.0 0.0	27	0.00 0.00 0.00
nical Glass Total	30 33	0.0 0.0 4.0	34 4 155	, o e	5 2 S	0.1	157	0.2 16.4	၁၁ ဇ္တ	11.2	100.	8 .0 8 .1 4	18 185	9.1.8 8.2.2	134	. 2 0
PREPARED FOOD: Paper Plastic	25 15	2.7	134	8.5 6.0	118	3.0	53 18		36	4.9	211 62		233		126	
SVACK FOOD: Paper	33	5.9	29	3.9	28	4.2	49	5.1	51	7.0	59	5.6	153	7.8	40	3.0
TOBACCO: Paper Plastic	36 0	6.4	63	0.4	19	4.4	8 0	5.0	£1 0	1.8	131	12.3	94	8.1	127	9.5
Metal Total	36	6.4	63	1.0	61	4.4	0 8	5.0	0 21	1.8	131	12.3	1 95	0.1 4.9	127	9,5
AUTOMOTIVE: Glass Metal: oil cans other	00-	1 1 0	0	1 1	0 = «	0.1	0		00	, ,	0	1 (	000	- 0	001	1 1 10
Rubber: tire other	0		0	1	4.0	6.0	0	,	0	1	0	ı			. 00	
Plastic: anti-freezo other	0	'	0	1	0	ı	0	1	0	,	0	,	0	1		0.1
Total	-	0.2	0	0	13	6.0	0	'	0	ı	0	-	2	0,1	@	9.0
NEWSPAPER;	-	0.3	29	φ.:	35	2.5	12	1.3	0	1	0	•	55	8.3	12	1.3
HOUSEHOLD: Plastic Paper (incl. alum foil)	91	2.9	89	4.3	13	3.6	139	14.6	51	7.0	109	10.3	214	10.9	37	2.8
MISC, PAPER: Cariboard Other (incl. paper bags)	0	ı	23	1.5	24 47	3.4	00	1 1	0 9	0.8	14	1.3	28 25	1.4	٥ م	0.5
WINE BOTTLES:	14	2.5	9	9.4	4	0.3	4	0.4	1	0.1	1 .	0,1	٥	'	. 3	0.4
LIQUOR BOTTLES:	6	1.6	4	0.3	ę	0.4	11	1.2	2	0.3	2	0.2	0	1	7	0.5
MISC, GLASS:	0	-	1	0.1	0	•	12	1.3	0	'	0	•	-	0.1	0	•
MISC, PLASTIC:	10	1.8	78	4.9	27	1.9	14	1.5	0	1	0	-	4	0.2	12	6.0
MISC, METAL: Cans Other	10	1.8	11	0.7	0	1 1	1.2	0.2	0	1	00	1.1	8	0.2	10	0.1
CLEANING AGENT TOILETRIES CONTAINERS.	-1	0.2	۰	1	. ຕ	0.2	0	1	0	ı	0	•	0		¢	'
UNWRAPPED FOOD:	٥	•	c		0	-	0	•	٥		0	•	0	1	0	-
PURR:	2	0.4	9	0.4	17	1,2	53	6.0	0	1 0	0	0 00	13	0.7	63	0.1
Total	560	100.1	1577	100.0	1392	83.8	955	100.0	63.2	88.8	1062	88.8		100.1	4561 1	22.0

CLASSIFICATION	Rt. 813 Wise Co.	G	Rt, 606 Sussex	90 90	Rt. 647 Suffolk		Rt. 630 York	오건	Rt. 620 Fairfax	20 [a <b>x</b>	Rt. 614 Botetourt	14 ourt	Rt. 614 Patrick Co.	14 ik Co.	Rt. 750 Píttsylvania	vania
	Ño.	<b>ઇ</b> જ	No.	85	No,	દેશ	No.	86	No.	عج	No.	£∜	No.	b <sup>c</sup>	No.	Ų.
	379 619	16.1 26.3	299	25.9	944	43.3	440	17.7	122	8.8	50	10.4	97	24.9	114 4	14.5
	312	13.3	103	6.9	35	1.6	140	5.6	66	7.1	89	14.2	111	2.8		5.8
Total	52 1362	2.2 57.9	11	1.0	17 996	45.7	26 606	1.0	26 529	1,9 38,1	18 210	3.8 43.8	7 160	1.8	53	1.9
	41 197	1.7	09	5.2	205	9.4	207	8.3	90	0.4	0	3,5	6 8	2.3	1	1.1
Bottles: reharnable nonreturnable	51	1 22 1	11 25	1.0	28	1.3	0 20	1 0.	4 48	0.3	38	16	- 0	0.3	3.2	0.1
Total	0 285	12.3	125	10.8	117 350	5.4	0 257	10.3	133	- 9.6	.55	11.5	43 0	11.0		0.1
	10	0.4	2	9.0	13	0.6	14	9.0	10	0.7	17	3.5	6		┼──	1.0
	0	١	0	-	0	-	0	•	0	-	14	2.9	0	,		,
	06	80 K	93	8.0	147	6.7	102	4.1	58	4.2	14	2.9	14	3.6	<del> </del>	7. 2
	88 0		21 6	1.8	25	1.1	49 25	.00	000	0.4	· • •	1.7	ဥ မ ထ	2.1	- 6g	4.6
1'ota1	20-1	1 6.8	122	0.2	1 270	12.4	268	10.8	114	0.1 8.2	52	4.6	0 % 3%	9.7		0.2 9.1
	130		65 25	5.6 2.2	004 (	1.88	430	17.3 8.4	229	16.5 8.3	00		4.00	2.1	i	20.4
1001	534		06	x .	40	1.8	639	7.62	334	24.7	0		12	3.1	$\neg$	29.0
	74	3.1	177	15.3	135	6.2	91	3.7	36	2.6	125	26.1	22	5,6	155	5.5
	41 0	1.7	69	0.9	35	1.6	159	6.4	28	4.2	30	6.3	27	6,9	157	5.6
Total	4. r	1.7	69	6.0	35	1.6	0 159	6.4	59	0.1 4.2	30	6.3	27	6.9		5.6
	••		0 0	•	0 0	1	0 0	1	ا ابره	0.1	0	_	00	, ,	<del> </del>	1 2
	<b>6</b>	4. 1			> <					, ,		1 1	0 m	0.8		0.1
other anti-freeze	o -	1 1		,		1	, .	,		,	, o		• •	1 1	0 0	1 1
r Total	=	0.5	c	1	0	1	0		-	0.1		1	က	8.0		0.4
	9	0.3	25	2.2	31	1.4	48	1.9	38	2.7	0	-	5		<del>                                     </del>	2.4
Plastic Paper (incl. alum foil)	106	4.5	66	8.6	181	8.3	199	8.0	09	4.3	0	•	0 15	3.8	63 94	2.2 3.4
Cardboard Other (incl. paper bags)	э о	٠, ١	0		62	2.8 1	149	6.0	12	0.9	0	1	8 36	2,1 9.2	125 57	4.5
	æ	0.3	77"	0.3	<b>x</b>	0.4	œ	0.3	0	-	0	-	0	•	3	0.1
	9	0.3	14	1.2	7	0.3	15	9.0	7	0.5	0	r	1	0.3	15	0.5
	0	_	0	_	0	1	23	6.0	0	1	0	-	0	-	0	,
•	٥	,	4	0.3	17	3.0	5	0.2	46	3,3	2	1.0	8	2.1	0	
	0	ı	0	1	0	ı	7 67	0.1	1	0.1	0 1	0.2	00	1 1	••	1, 1
CLEANING AGENT TOILETRIES CONTAINERS:	٥	•	3	0.3	10	0.5	0	1	0	-	0	à	0	ı	0	,
	٥	1	0		0	1	0		0	1	0	,	0	_	0	•
	1	' (	4	0.3	25	1.1	ũ	0.2	1	0.1	0	1	3	9.0		2.4
	2352	63.6	1163	100.0	Zibu	100.0	2459	100.0	1392	100.2	479	39.8	390	100.0	2805	100.0

.

: :

alum nor-alum nor-alu	No.		No. The state of t	_
Total   12.0	90 26.9 100 84 25.1 986 0 - 270 22 6.6 32 196 58.5 1389 0 - 27 24 7.2 78 0 0.9 14 0 0.9 14 0 0.9 14 0 0.9 2.7 31 0 0 - 0			T
Total   1203   1.1   1.00   59.2   1.26   6.6   2.2   1.00   1.	22 6.6 32 196 58.5 1389 0 - 27 24 7.2 78 0 - 77 3 0.9 14 0 - 14 0 - 14 0 - 14 0 - 7 0 - 14 0 - 7 0 - 7 0 - 14 0 - 7 0 -			·
alum non-alum sizes 41.1 1109 53.2 140 58.5 1389 61.5 15	3 0 - 27 8 0 - 27 8 0 0 9 14 7 27 8,1 129 9 2,7 31 4 21 6,3 82			
State   Stat	2 24 7.2 78 8.1 129 8.2 9 9 2.7 31 8.1 6.3 82	T	1	7
No.   Total   2.35   7.6   325   13.7   27   6.1   129     HOLDERS:	7 27 8.1 129 0 9 2.7 31 - 0 - 0 4 21 6.3 82	124 6.4 15 0.8 58 3.0	514 28.3 12 0.7	
HOLDERS:	9 2.7 31 0 - 0 21 6.3 82			
ther bags  there b	4 21 6.3 82 3.	35 1.8	7 0.4	1
there bags   191   6.2   81   3.4   21   6.3   82   3.5    1	4 21 6.3 82 3.	- 0	0	<u></u>
Puper Toral	2 4 1.2 69 3.	4. 5.	4.03	Γ
Puper 10211 253 5.72 1144 0.1 39 11.6 223  Puper 290 3.4 167 7.0 18 5.4 121  Plastic Total 290 9.4 259 10.9 18 5.4 121  Total 339 11.0 12 0.5 7 2.1 62  O	7 2.1 16 0. 7 6 1.8 47 2.	<del>4</del> -	• <del>•</del>	
Total 290 9.4 259 10.9 18 5.4 163    141 4.6 23 1.0 22 6.6 126   1	0 18 5.4 121 5.9 0 0 - 42 1.	55 2.9 39 2.0	79 4.4 181 10.0	<del>                                     </del>
141   4.6   23   1.0   22   6.6   126	9 18 5.4 163 7.	寸	$\neg$	
San   11.0   12   0.5   7   2.1   62   0   0   0   0   0   0   0   0   0	22 6.6 126 5.	214 10.6	71 3.9	
Total 339 11.0 12 0.5 7 2.1 62  31 oil cans	2.1 62	62 3.2	42 2.3	
0     0     -     0     -     0     -     0       7     0.2     1     -     0     -     0       0     -     0     -     0     -     0       32     1.0     13     0.5     1     0.3     12       14     0.5     49     2.1     0     -     0       104     3.4     10     0.4     0     -     15       77     2.5     16     0.7     10     3.0     32       0     -     19     0.8     0     -     46       0     -     19     0.8     0     -     15       60     -     8     0.3     0     -     3       10     -     8     0.3     0     -     3	5 7 2.1 62	'n	- <b>2</b>	
14   0.5   49   2.1   0   -   17   10   3.0   3.2   1.0   1.0   1.0   1.0   3.0	0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	8 0.4	
32     1.0     13     0.5     1     0.3     12       14     0.5     49     2.1     0     -     17       104     3.4     10     0.4     0     -     15       30     1.0     13     0.5     4     1.2     33       0     -     19     0.8     0     -     46       0     -     8     0.3     0     -     3       85     2.8     2.7     1.1     2     0.6     21				
14     0.5     49     2.1     0     -     17       104     3.4     10     0.4     0     -     15       77     2.5     16     0.7     10     3.0     32       30     1.0     13     0.5     4     1.2     33       0     -     19     0.8     0     -     46       0     -     8     0.3     0     -     3       85     2.8     27     1.1     2     0.6     21	5 1 0.3 12 0.	11 0.6	9 0.5	
104     3.4     10     0.4     0     -     15       77     2.5     16     0.7     10     3.0     32       30     1.0     13     0.5     4     1.2     33       0     -     19     0.8     0     -     46       0     -     8     0.3     0     -     3       85     2.8     27     1.1     2     0.6     21	1 0 - 17 0.	22 1,1	5 0.3	1
30 1.0 13 0.5 4 1.2 33 0 - 19 0.8 0 - 46 0 - 8 0.3 0 - 3 85 2.8 27 1.1 2 0.6 21	4 0 - 15 0. 7 10 3.0 32 1.	10 0.5 53 2.8	9 0.5 2 0.1	-
85 2.8 27 1.1 2 0.6 21	5 4 1.2 33 8 0 - 46	111 5.8 17 0.9	5 0.3 21 1.2	
1.1ES: 85 2.8 27 1.1 2 0.6 21 0.	3 0 - 3	1 0.1	19 1.0	1
	2 0.6 21 0.	9 0.5	36 2.0	[
0 - 0	0 - 0 -	0	0	ļ —
AISC, PLASTIC: 50 1.6 12 0.5 0 - 17 0.7	5 0 - 17 0.	53 2.8	6 0.3	
11SC, METAL: Cans 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	1 0 - 0	0 0	0	
TLEANING AGENT TOILETHIS CONTAINERS: 0 - 1 - 0 - 0 - 0	0 - 0	2 0.1	0	-
UNWRAPPED FOOD: 0 - 0 - 0 - 0 - 0	0 .	0	0	
19 0,6 13 0.5 0 - 7 0.3	- 0	0	0	

CLASSIFICATION	. Alexandria Hand Truck	dria ruck	Sullin Bri	Sullins College Bristol	Richn Hand	Richmond Hand Pickup	Alexandria Ifand Cart	lria art	Bristol Downtown	wn	Norfolk Granby St.	χ. 8.	Not	Norfolk Tidewater
	No.	8	No.	હ્લ	No.	88	No.	8	No.	86	No.	85	No.	84
BEER: Cans; alum	32	8.4	68	12.4	53	5.6	1	0.5	. 69	1.7	0.	١:	10	1.9
Bottles: returnable nonreturnable	4	1.0	18	2.5	လ	0.5	r.	2.3	0	,		; '	4	8.0
Cartons Total	<b>0</b>	9.6	111	0.6	8 09	0.2	0 9	1 %	9 8	1.7	0 8	1 2	0 41	1 1
SOFT DRINK: Cans: alum	0	<u> </u> '	8	8.4	18	1.9	2		6	5.1	0.	1 0	2	
Bottles: returnable	0 6	, ,	e c	0.4	~ ;	0.1	0	1 1	87.0		,0	7.	0	1 1
Cartons Total	100	0.0	၁၀ဨ	8.8	7 2 2	9.00	20 10	7.7	206	1.1	<b>,</b> 00	2 . 2	<b>-</b> 00	5 . 2
PLASTIC SIX PACK HOLDERS:	3	8.0	4	0.6		0.1	٥	1	0		-	0.4	0	ŀ
TAB CAN OPENERS:	0	,	0	,	0	'	0	ı	0		0	,	0	,
GROCERY: Paper: paper bags	<u>م</u>	1.3	0	1	108	11.5		1,4	9	3.4	0		9	1.2
other Plastic	110	6.2	13	1.8	2 0	1.3	15	7.0	0.10	1.1	e -	1.2	25	8.1
Metal Glass Total	1 0 1	0.3 4.5	00 %	1 1 5-	133	0.8 0.1	0 0 81	1 1 4	106	0.6	0 6 5	 	108	6 6
	0.55	14.4	112	15.6	102	10.8	119		23	13.1	Ţ	12.8	89	13.2
Total	0.87	22.8	187	26.1	143	15.2	40	18.7	50	28.4		21.7	106	20.6
SNACK FOOD: Paper	69	18.1	43	6.0	69	7.3	58	13.1	34	19.3		8.9	115	22.3
TOBACCO: Paper Plastic	85 0	24.1	85	11.9	£4.	4.6	30 0	14.0	32 0	18.2	17	6.6	65	12.6
Total	92	24.1	82	11.9	o £	4.6	۰ چ	14.0	32 0	18.2	0 11	9 9	0 9	ء ا
AUTOMOTIVE: Glass	0	<u>                                     </u>	0	-	0	-	0		0		0		30	• 1
Metal: oil cans other	0	,	•		0	1	0	•	0	1	0	•		1
Rubber: tire other		·	•	ı ———	<b>40</b>	0.1	00	1	0	ı	0	1	۰.	٠,
Plastic: anti-freeze other	0	'	•		0	•	> <b>o</b>	· ·	0	'	0	•	0	1
Total	0	_	٥	•		0.1	0	,	0	-,	0	ı	0	,
NEWSPAPER:	2	0.5	<u></u>	1.1	70	7.4	4	6.1	1	0.6	8	1.2	11	2.1
HOUSEHOLD: Plastic Paper (incl. alum foil)	99	17.3	135	18.8	238	25.3	47	22.0	33	18.8	16	6.2	4	9.0
MISC. PAPER: Cardboard Other (incl. paper bags)	20	1.3	20	2.8	64 20	6.8	13 6	6.1	1 0	9.0	3 89	1.2	11,	23.9
WENE BOTTLES.	0	-	4	0.6	<b>63</b>	0.2	1	0,5	0	,	o		٥	,
L'AUOR BOTTLES.	0	1	1	0.1		0.1	0	•	0	,	0		0	,
MISC, GLASS:	0	-	2	0,3		ı	o		0	•	0		0	'
MISC, PLASTIC:	С	'	6	1.3	-	0.1	8	3.7	0		26	10.1	23	4.5
MISC, METAL: Cans Other	0 13	و در ا	00	1 1	3 22	0.5	00	1 6	.00		00		04	0.8
CLEANING AGENT TOILETRIES CONTAINERS:	0	-	0	•		0.1	0	1	0	,	0		0	'
UNWAAPPED FOOD:	0	-	٥	,	-	0.1	0	,	0	•	0		0	,
OTHER:	0.6	, <u> </u>	=	1.5	=	1.2	3	1.4	0		2	0,8	-	0.2
<del></del>	1	2	<u> </u>	1.001	<b>N</b>	100.0	214	100,1	176	100.1	258	100:1	517	100.2

CIASSIFICATION	Danville	Je	Charlottesville	esville	Richmond	ond	Alexandria	ıdria	Elephant Alex. Vacs	phant 38	Barracks Road	Road .
	No.	gş.	No.	8	No.	86	No.	₽€	No.	85	No.	8
BEER: Cans: alum	28	60 61	15	9.1	64	7	53	10.9	C			
non-alum Bottles: returnable	2	;	; -		; -		3	,			3	
nonreturnable Cartons	· -		· <u>«</u>	• •	, ,	) (	-	. 6	•	,	0 ,	1 (
Total	29	3.9	23	3.0	64	5.7	54	11.1	0		77	3.0
SOFT DRINK: Cans: alum	18	2.4	5	9.0	37	3.3	24	4.9	2	1.4		,
Bottles: returnable	c	ı	0	1	0	1	0	ı	0	,	0 0	7.7
Cartone	0 0	, (	87.5	0.2	00		- 0	87.	0 0	1		1 1
Total	38	2.4	۰.	7.0	37	, e.	25	5.1	2 0	1.4	0 &	1.2
PLASTIC SIX PACK HOLDERS:	9	8.0	7	0.7	œ	0.7	12	2.5	0	,	24	0.3
TAB CAN OPENERS:	52	7.1	171	17.71	0	-	0	-	0	1	26	3.9
GROCERY. Daner, normal home	7	٠	9	°	٠		,					
Plastic Paper Dags Other	15 15	000	5 4 4 -	2.5	106 12	9.3	2000	4.5	- m - c	2,0	15 68 11	10.3
Class Total	0 6	6.7	47	16,	0 118	10.5	24	4.9		2.0	0 0 46	14.2
PREPARED FOOD: Paper Plastic Total	72 31 103	9.8 4.2 14.0	31 18 49	3.2 1.9 5.1	115 28 143	10.2 2.5 12.7	58 137 195	11.9 · 28.1 40.0	4 10 14	2.7 6.8 9.5	92	13.9
SNACK FOOD: Paper	94	12.8	119	12.3	268	25.6	48	9.6	7	4.7	83	12.5
TOBACCO: Paper Plastic Metal Total	120 0 0 120	16.3 - 16.3	350 0 0 350	36.2 - 36.2	126 0 0 126	11.2	27 0 0 27	5, 5 5, 5	18 0 0 18	12.2 - 12.2	55 0 0 55	8 8 6 1 1 8
AUTOMOTIVE: Glass Metal: oil cans other Rubber: tire	0 -1 0 0	0.1	0000	111	0010	0.1	0000	111	0000	1 1 1 1	000	i 1 1
othe <b>r</b> Plastic: anti-freeze	• • •	1 1	0 0	1 1	. 0 0	F 1	, <sub>-</sub> 0	0.2	0 0	' '	000	i i
other Total	·	0.1	• •	ı	, ,	0.1	, <sub>F</sub>	0.2	. 0	,	> 0	l 1
NEWSPAPER:	30	4.1	4	0.4	41	3.6	58.	11.9	92	51.4		0.5
HOUSEHOLD: Plastic Paper (incl. alum foil)	97	$13.\hat{2}$	96	3.7	30 240	2.7	13	2.7	0 18	12.2	15	2.3
MISC, PAPER: Cardboard Other (incl. paper bags)	61 0	8.3	33	6. 1 4.	20	9.0	40	0.8	00	1 1	0 163	24.6
WINE BOTTLES:	0	-	0	,	0		0	•	0	1	0	-
LIQUOR BOTTLES.	0		0	-	0	-	1	0.3	0	-	0	ı
MISC, GLASS:	0	_	1	0.1	5	0.4	0	1	0	1	14	2.1
MISC, PLASTIC:	26	3.5	56	5.8	0	-	21	4.3	10	8.9	22	3,3
MISC, METAI, Cans Other	20	2.7	0 35	3.6	0		1 0	2.0	0	1 1	တက	0.5
CLEANING AGENT TOILETRIES CONTAINERS.	. 0	•	0	•	0	ı	0	1	0	1	0	•
UNWRAPPED FOOD:	0		1	0.1	0	•	0	'	0	1	0	1
	29	3.9	22	2.3	19	1.7	က	9.0	0		_	6
Total	735	89.8	967	100,0	1127	100.1	487	99.9	148	100.2	663	100.2

\_

.

.

	_	F- ~		-			2)		T	T = 2:	1		<del></del>			r	<del></del>	,		-			<u> 110</u>	7 3	Ϋ́	
J. Park	100	10.7	1.2	13.7	0.6	4.2	1.2	1.8		10.1 4.2 1.3 0.6	23 3.6 3.6 8.6	10.7	6.0	11111	1 1		0.6	14.9	1.8	١.		1.8	1 1	<u>_</u>	'	100,2
Norfolk City Park	, S	81 6	) <b>(3</b>	0 82	-	۰ م	200	6	o	17 7 0 2 1	39 6 45	18	00000	00000		0	-	0 25	3	0	0	3	00	0	c	0 168
poc	85	0.6	1.2	10.2		9.6	11.8			13,3	22.9 6.6	6.0	8.1	11711	; ;	1	'	25.3	9.0		-		1.2	9.0	,	100.0
Norfolk Lakewood	No.	15	- 61	0	0;	91 0	၈၀ရ		0	3002300	88 11 49	10	m = 2 m	00000		٥	0	0 24	-	0	0	0	0 %	-	0	0
olk ical	58	6.2	0.2	7.5	2.6	5.1	2.0.2	0.6		5.1 1.6 6.4 0.7 13.8	20.1 8.6 28.7	12.7	4.9	0.1	0.1	8.0	15.1	5.5	,	0.1		1.9		0.1	,	99.9
Norfolk Botanical Gardens	No.	88 16	က	107	37	20	3 0 112	6	0	72 22 91 10 196	286 122 408	180	0,000	00000	2	11	215	0 82	0	-	0	27	00	-	0	3
8	86	3.5		6.4	' '	0 1	4 4.	0.2	,	4.1.0 4.1.0 2.0 8.4	46.9 3.0	18.6	8. 8 . 8	11111	۱ ،	,	e. 4.		0.8	'	,	1.3	1 1	'		100.1
Norfolk 200	No.	41 8	18	8 5.	0 8	e 0 0	2802	63	0	57 16 20 2 3	548 35 583	217	46 0 0 46	00000	, 0	0	45 50	00	6	0	0	15	00	0	0	1168
ie md	8	2.5	0.7	3.3	4.5	0,3	5.7	0.3	0.6	6.6 6.0 6.0 0.3	8.7 5.8	29.1	6.4	11111		8.0	11.5	0.2	0.7	,	7.2	0, 1	0.1	0,1	6.0	0°0 100°0
Danvilie Playground	No.	53	16	71	95	9 8	20 0 121	9	21	140 108 128 7 0	185 124 309	620	136 0 0 136	00,000	· -	17	245	0 4	16	0	154	က	ဝက	73	19	12 2134 1
esville Park	8	4.5	9,1	13.6	9.1	1,1	26.1	4.5	1.	2.3 1.1 1.1 0.1	2.3	34.1	6.1	11111	'	-	1	1,1	1.1	-	-	-	2.3	_	<u>'</u>	95,8
Charlottesville Belmont Park	No.	4	<b>*</b>	12	· ·	<u>-</u>	23 23	-	~	481108	808	30	4004	00000	. 0	c	0	0 -1		0	0	0	0 7	0	0	0 88
sville Park	بعو	2.3	-1		0.5	0,2	0.0	0.2	1	0.3 - 0.6 - 1.3	42.3 3.6 45.9	37.7	6.1	171111	-	,	4.1	0.9	,	•	-	4.0	0.5	'		100.1
Charlottesville McIntire Park	No.	21	<u> </u>	0 21	. 10	2 -	10 %	2	0	<b>၈၀</b> ၀၀ ၈	391 33 . 424	348	56 0 56	00000		0	38	0 &	0	0	c	4	5	0		1924
sville 1. Park	8	14.5	14.8	30.7	7.0	0 0	10.9	1.1	1.7	10.9 1.4 1.7 0.6 14.5	8.1 4.2 12.3	5.0 3	6.7	1 / 5 6 1 1		2.8	6°	1 1	1.1	0.3	0.3	2.0	0.6	0.3	,	100.1
Charlottesv Washington 1	No.	52	53	110	25	<u>-</u> -	3 0 g	4	9	39 52 52	29 15 44	18	24 0 2 26	00000	0	01	32	00	4	-	-	-	50	-	0	358
				Total			Total			Total	Total		Total		Total									NERS:		Total 3
CIASSIFICATION		BEER: Cans: alum	bottles: returnable nonreturnable	Cartons	SOFT DRINK: Cans: alum	Bottles: Participale		PLASTIC SIX PACK HOLDERS:	TAB CAN OPENERS:	GROCERY: Paper: paper bags other Plastic Metal Glass	PREPARED FOOD: Paper Plastic	SVACK FOOD: Paper	TOBACCO; Paper Plastic Metal	AUTOMOTIVE: Glass Metal: oil cans other Pubber: tire other Plastic: anti-freeze	Ouner	NEWSPAPER:	HOUSEHOLD: Plastic Paper (incl. alum foil)	MISC, PAPER: Cardboard Ciher (incl. paper bags)	WINE BOTTLES:	LRUOR BOTTLES:	MISC, GLASS.	MISC, PLASTIC:	MISC, METAL: Cans Other	CLEANING AGENT TOILETHIES CONTAINERS.	UNWRAPPED FOOD;	OTHER:

No.   St.   St.	CLASSIFICATION	Wine! Pe	Winchester Park	Pocol	Pocobantas Campground
abun be short with a can b		No.	8	o.	800
Canstranthale   10   1.0   1	1	1.6	,	,	,
Canest adum	Sun 3	10	1.0	7	1.2
Cans: alum   10   0.6		28	5.0	23	2.4
Cans. alum	nonreatrnable	œ	9	c	. ,
Cans: alum	•	93	9.6	, r3	6.1
Bottles: rothmable	DRINK: Cans:	0	-	0	'
Cartons nonrethriands 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0	47	4.2	27 9	14.6
Cartons   Total   49   5.0   14   1   1   1   1   1   1   1   1		o C	0 1	> 61	_ .4.
ENERS:  5 0,5 0,7 14 1 1  PACK HOLDERS:  5 0,5 0, 14 1 1  apper: paper bags  14 1,4 0  14 1,4 0  15 1,4 1  16 1,4 0  16 1,4 0  17 1,4 4  17 1,4 4  18 1,4 4  18 1,4 4  19 2,8 2  19 3,9 2,8 3  19 3,9 2,8 3  19 3,9 2,8 3  19 3,9 2,8 3  19 3,9 2,8 3  19 3,9 2,8 3  20 0, 1, 12 1  19 1,4 1,4 4  20 0, 1,4 1,4 4  20 0, 1,4 1,4 4  20 0, 1,4 1,2 1  21 21,4 12 1  21 21,4 12 1  22 1,4 12 1  23 1,4 1,9 0  24 1,9 3  25 1,4 12 1  26 1,9 3  27 1,4 12 1  28 1,9 3  29 1,9 2,8 3  20 1,9 1,9 1  20 1,0		0	,	0	
ENERS:  Super: paper bages  Diastic other  Plastic attack  Super: paper bages  Total  Super  Super  Total  Super  Total  Super  Super  Super  Total  Super		49	0.0	1	11.1
ENERS:    36   3.6   1	SIX	2	0.5	0	'
14   1,4   0   0   1,4   0   0   1,4   0   0   1,4   0   0   0   0   0   0   0   0   0	TAB CAN OPENERS:	36	3,6	1	1.2
October   Octo	Paper:	14	1.4	0.	'
1	other	0	,	0	
14   1,4   4   4	Metal	•		† O	. ı
Code   Paper   Code		۰ ;	٠,	0	1
Plastic   Total   395   31.2   8   8   20		<u>.</u>	ţ.,	*	7.
Paper   Pape	FOOD: Paper Plastic	308 87 395	31.2 8.8 39.9	20 28 28	24.4 34.2
State	i .	212	21.4	12	14.6
Single   Color   Color   Color	Par	48	4 9	64	3.7
Total   48   4.9   3   3.   Glass	Plastic Metal	00		00	1
E. Glass  Metal: oil cans  other  Rubber: titre  other  Plastic: anti-freeze  other  Total  Other (incl. paper bags)  I. Cardboard  Other  I. Cardboard  Other  I. Cans  Other  I. Cans  Other  I. Cans  Other  I. Cans  II Ca		48		> ຕ	
Netal: old cans	Glass	0	,	0	'
Rubbur: tire	1 to	00		00	۱ ۱
Plastic: attier of the correct of th		0	1	0	,
Plastic   Paper bags    1   0,1   0		•	ř i	<b>, .</b>	1 1
Plastic Paper (incl. alum foil) 1 0,1 0 Paper (incl. paper bags) 133 13,5 13 15 ES: 0 - 0 10: 11. Cardboard 0 - 0 10: 11. O.1 0 13. O 13. O 14. O 15. O 15. O 16. O 16. O 16. O 17. O 18. O 19.		00	1 1	00	1 1
Plastic Pager (incl., alum foil) 10.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	NEWSPAPER:	1	0, 1	0	,
ES:  Other (inct, paper bags)  ES:  Other (inct, paper bags)  ES:  Other (inct, paper bags)  Oth	Plastle Paper (incl., alum	1		0	
ES: 0 - 0   C   C   C   C   C   C   C   C   C	PAPER: Cardboard Other (incl.	133	13,5	0 13	15.9
IC: 0 - 0   10   10   10   10   10   10   1	BOTTLES:	0	1	Û	ı
C:		0	ŧ	0	ı
IC: 0 - 2 2 2  Cans Other 0 - 0 0  Other 0 - 0 0  ENT TOILETRIES CONTAINERS, 0 - 0  FOOD: 0 - 0  Total 989 100.2 82 100	0	0	-	٥	<u>'</u>
Chang John TOLLETRIES CONTAINERS, 0 - 0  FOOD: 0 - 0  FOOD: 0 - 0  Total 989 100.2 82		0	,	67	2.4
FOOD: 0 - 0 FOOD: 0 - 0  Total 989 100.2 82	METAL: Cans Other	00	1 1	00	1 1
FOOD: 0 - 0 0 - 0 Total 989 100.2 82	AGENT TOILETRIES	0	1	٥	'
Total 989 100.2 82		0	-	0	١
989 100.2 82	OTHER:	2	0,2	0	•
	Total	989	100.2	83	100,1

TABLE 14 CONTINUED

CLASSIFICATION	I-64 Richmond	'nď	l- Peter	l-95 Petersburg	l-81 Bristol	101	I. Rom	1-581 Roanok <i>e</i>	I-264 Norfolk		I-64 Hampton	uo	Fairfax	ž Š
	Wt.	8	Wt.	نئج	Wt.	bí	W.t.	p.	Wt.	8	Wt.	8	Wt.	85
BEER: Cans: alum non-alum	56.33	r,	13.86	6,3	6.29	5.0	5.40	4.0	113, 73	20.8	45.34	23,2	23.56 37.22	
Bottles: returnable nonreturnable Cartons	61.57 4.82	9.5	33.37	15.1	42,17 0	18.8	1.14 2.05	8 10 11	87.89 2.24	16.1	0 54.05 0.89	27.7	45.46	၊က်ဝေ
	125.12	0.61	7,17	61.3	23.00	0.02	13.43	13.7	203.86	37.4	100.28	51,3	109.39	6
SOFT DRINK: Cans: alum non-alum Bottles: returnable	3.96	3.2	3.60	3,7	0.36 17.73 15.60	6.9	00.08	4.4	42.95	7.9	14.48	7.4	3.97 17.97 4.95	0.3 1.5 0.4
nonreturnable Cartons Total	30.55 0 60.49	ი + ი +	30.60 0 42.29	13.9	13,30 0 46.69		0.69	5.0	33.30 0 76.25	6,1 - 14.0	5.40 0.11 20,98	2.8 0.1 10.7	21.60 0.24 48.73	ب ۱4
PLASTIC SIX PACK HOLDERS;	0.06	,	0.17	0,1	0.05	-	0.14	0.1	0.16	,	0.34	0.2	0, 12	'
TAB CAN OPENERS:	0	,	o	,	0	-	0		0		0	-	0	'
GROCERY: Paper: paper bags other	17.08	2.6	1.20	0.5	1.47	0.7	3,36 0,85	2.5	17,60	3,2	1,52	0.8	19, 45	10
Plastic Metal Glass Total	2.90 4.84 0 29.28	4.00.14	0.34 0.24 2.76 5.28	0.2 0.1 1.3 2.4	0,32 0.83 0,47 4,40	0.00.0	0,39 1,02 0 5,62	0.0 8 2.4	2.65 1.52 1.84 28.99	0 0 0 G	0.24 0.40 0.24	0.1	6.71 2.30 39.57	000.00.00.00.00.00.00.00.00.00.00.00.00
PREPARED FOOD: Paper Plastic	14.82 2.18 17.00	2.3 2.6	1.56 0.54 2.10	0.7	2.36 1.30 3.66	1.1	3.75 0.50 4.25	3.2	15.13 2.77 17.90	2.8	1.61	0.8	15.00 3.57 18.57	0.3
SNACK FOOD: Paper	3,96	9.0	0.62	0.3	0.67	0.3	0,67	0,5	2,32	0.4	0,41	0.2	2,48	
TOBACCO: Paper Plastic Metal Total	7,83	1,2	3.76 0.01 0		2.40 0 0	1:1	2.08 0.01	1,13	5.84	1.1.1	2.02	1.0	2.76	0.2
1000			,,,	<u> </u>	2.40	- 1	2.03	1.5	5.84		2.09	1.0	2, 76	- 1
AUTOMOTIVE: Glass Metal: oil cans other Rubber: tire	0 0 4.80 133.50	7.4	0 13, 13, 78, 85	ी ७.७ १.१७ १.१९	0 0 0 67.47	30,1	0 1,48 19,00 30,49	14.1	0 4.75 39.27 29.96	5.29	0 1.63 8.56 43.98	0.8 4.4 22.5	0 11.97 144.73 131.78	1.0 11.9 10.8
(reeze	2.00	c	1.05	က ရ	, 0		7. 0	7 1 5	- 0	1 r	• •		5.20 2.71	
NEWSPAPER;	6.25	1.0	0.42	0.2	0.56	30.1	1.29	39.8	73.98	13.6	54.17	27.7	45.50	ŀ
HOUSEHOLD: Plestic Paper (incl. alum foil)	20.88	3.2	0 0, 15	0,1	0,39	0.2	6.99	2.5	25.22	4.6	0.51	0.3	5.59	
MISC, PAPER: Cardboard Other (incl. paper bags)	85.13 0	13.2	1.65 0	0,7	4.60 20.41	9.1	9.74	7.2	40.51	7.4	2.54	1.3	127.89	10.5
WINE BOTTLES:	1,08	0.2	1.08	0.5	2,60	1.2	4, 73	3,5	27,00	4.9	0	,	8.64	0.7
LIQUOR BOTTLES:	4,3	0.7	3,44	1,6	5.23	2.3	92.0	9.0	8.60	1.6	3.44	1.8	8.60	0,7
MISC, GLASS.	6	-	0	,	0.30	0.1	0	,	0		0	1	o	,
MISC, PLASTIC:	8, 75	1.4	0,92	0,4	3, 14	1.4	0.59	0.4	0	ı	0	-	42.48	3,5
MISC, METAL: Cans Other	0 8.55	1.3	0.62	0.3	00	, ,	11,25	8.3	2.09	4.0	00	, ,	283.74	23,7
CLEANING AGENT TOILETRIES CONTAINERS:	0	' .	0.22	0, 1	0	,	0, 15	0, 1	1,76	0.3	0	,	1.07	0,1
UNWRAPPED FOOD:	0	,	0		0	. ,	0		0	١	0	-	0	,
O'UIER:	79.9	12.4	17.53	7.9	2.27	1.0	4.08	3.0	25,90	4.7	3.94	2,0	118, 65	9.8
TOTAL		100.1	220,55	100.1	224.5	100,0	134.84	6,00	545.70	100.0	195.37	100.0	1216, 62	100.1

CLASSIFICATION	I-6.t Louisa		1-77 Bland		I-85 Dinwiddie	die	I-81 Shemandoah	hic	I-64 York		I-95 Spotsylvania	vania	I-81 Montg	L-81 Montgomery	1-66 Prince V	William
	Wt.	86	Wt.	Br.	W.F.	8	Wt.	æ	Wt.	8	11.1	₽€	W.t.	7	11.6	٤٠
BEER: Cans: alum	15.30	11.3	5.85	8	32, 18	16.2	3.96	1,2	45,34	24.7	5,37	5.1	3,15	5.3 9.0	12,96 18.84	6.2
Doutes: rournable nonreturnable Cartons (Total	26,32 1,74 43,36	19.4 1.3	3,33 0,55	8.0 8.0 8.2	0 0 % 0 4.0	0.2	7.05	3.7	23.50	12,8	10.88	10.3	9.70	16.4	3.32	20.3
SOFT DRINK. Cone. ohm							0.30			0.10	30.53	64.0	61.33	90.9	74.1	37.
	5,93	4.4	5.70	8.3	15,28	7.7	5.28	8.8	12,65	6.9	6.90	6.5	2.24	20.7	1.08 6.00	2 0 0
Hottles: returnable nonreturnable	6, 93 5, 40	5.1	1,30	1.9	4.50	2.5	3.60	0:1	0.99	0.5	2,75	2.6	0.99	1,7	2.97	1.4
Cartons Total	18.26	13.4		10.2	24.73	12.3	11.16	5.0	16.34	6 6 6 8	27.33	25.9	25,41	43.0	0.27	0.1
PLASTIC SEK PACK HOLDERS:	0.07	0.1	0.06	0.1	0.03	'	0.05		0,08	0	0.05	-	0.08	9.1	0.11	0.1
TAB CAN OPENERS:	0	_	0.00	0,1	0	'	٥		0	•	٥	,	0	,	-	,
GROCEAY: Paper: paper bags other Plastic Metal Glass Total	0 0,30 0,34 2,42 0	0.2 0.3 1.8	0, 22 0, 26 0, 11 0, 62 2, 19	6.0000 8.400.18	0.80 1.93 0.18 0.38 5.30	4.0.0.0.2.2.2.8	0.59 0.33 0.57 0 0	0.03	1.37 1.67 0 0 0.85 3.89	0.0	0 1,32 0,90 2,31 0,60	. 1. 0. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	0.33 0.25 1.33	6.00% L	2.97 3.43 1.92 1.69 0.46	4.000.00
PREPARED FOOD: Paper Plastic	2.00 0.55 2.55	1.5 0.4 1.9	0.52 0.23 0.75	0.8	3.57 0.53 4.10	1.8	0.85	4.0	1.93 0.14 2.07	0.1	3.95 0.54 4.49	3.7	1,43 0,14 1,57		5.36	0.0
SNACK FOOD; Paper	0.45	0.3	0,33	0.5	0,95	0.5	0,86	0.5	0,46	0.3	0,59	0.6	0,35		1.08	0.5
TOBACCO: Paper Plastic Metal Total	0.94 0 0.94	0.7 	1.02 0 0.01 1.03	1.5	2, 10 0, 01 0, 3	11 5	3, 43 0 0 3, 43	1.8	1.47	0.8 0.8	1,36 0 0 1,36	1.3	2.45 0 0 2.45	4.1	3.76 0 . 0.10	1.8
AUTOMOTIVE: Glass Metal: oil cans other Rubber: tire other Plastic: anti-freeze other Total	0.74 37.26 0 13.40 0 0.40 51.8	0.5 27.4 9.9 0.3	0 0 5.50 24.43 0 0.13	8.0 35.7 0.2 43.9	0 0 0 57.56 0 0	16.5 29.0 29.0	0 0.76 26.40 123.71 0 0	0.4 13.9 65.4 -	11.33 14.87 38.57 0.23 66.93	6.2 1.1 8.1 21.0	0 3,98 7,30 11,35 0 0	3.8 6.9 10.8 -	0 1,14 0 0 0 0 0	6.1111	0 0.72 8.75 20.95 1.60 1.33	0.6 0.8 0.6 0.6
NEWSPAPER;	0.45	0.3	0		0,96	0.5	0.07		0.46	0.3	0,35	0.3		,	2.27	1
HOUSEHOLD: Plastic Paper (incl. alum foil)	1, 12 0, 33	0.8	0,32	0.5	1,30	7.0	0,19	0.1 0.6	0.52 2.92	0.3	0.32	0.3	0.57	1.0		1.6
MISC. PAPER: Cardboard Other (incl. paper bags)	0.74	0,5	0.22 0.08	0.3	4, 10 0, 38	2.1	1,52	8.0	2.65 0.26	1,4	7,40 3,96	7.0	1.92	3.3	3.95	5.2
WINE BOTTLES:	1,08	8.0	0	•	1.08	0.5	0	1	2,16	1,2	٥	,	0	'	1.08	0.5
LIQUOR BOTTLES:	1, 72	1,3	3,35	4,9	1, 72	0.9	1.72	0,9	0,86	0.5	1,85	1.8	0	'	6,02	2.9
MISC, GLASS:	0	,	0	-	0	-	0	1	0	-	0		0		0	j,
MISC, PLASTIC:	0.93	0.7	0,14	0.2	1.73	0.9	0.10	0.1	6.30	3.4	1,61	1.5	0.51	0.9	7.10	3.4
MISC, METAL: Cans Other	0.57 6.35	0.4	0.52 1.86	0.8	00	1 1	00	1 1	3,36	1,8	0,25	0,2	00		4.34	2.1
CLEANING AGENT TOILETRIES CONTAINERS:	0	'	0	-	0,29	0.1	0, 15	0.1	0		0	1	0		0.10	,
ENWRAPPED FOOD:	0	•		,	0		0	1	0		0		0		c	
O'THER:	2.22	1.6	10.64		26.45		- 1	0.9			2,57	2,4	$\overline{}$	2,1	8,97	£. 3
l Total	136, 00	100.0	68,54	100.0	108.07	0.90	189.27	100.0	183, 73	100.0	105,56	100.0	59.04	100.0	208, 65	99.9

<u>چې</u>	2.2 5.0 15.0 22.3	0.5 7.6 1.2 7.2	t i	2 0.8 0.6 5.7	1.0	2,8 0,3 -	0.5 12.0 24.1 0.3 -	0.7	2.3	1.1	0.5	3.6
r-81 Froderick	1.80 4.08 12.22 0.15	0.42 6.24 0.99 5.85 0	0.03	1.35 0.67 0.04 2.16 0.46 4.68	0.79	2,32 0,25 0,25 2,57	0 0.38 9.84 19.69 0.26 0	0.56 0.85	1,85	0.69	0.33	0.2.96
CLASSIFICATION	BEER: Cans: alum non-alum Bottles: returnable nonreturnable Total	SOFT DRINK: Cans: alum non-alum Bottles: rcturnable nonrcturnable Cartons	PLASTIC SIX PACK HOLDERS;  TAB CAN OPENFRS.	GROCERY: Paper: paper bags other Plastic Motal Glass Total	PREPARED FOOD: Paper Plastic Total SNACK FOOD: Paper	TOBACCO: Paper Plastic Metal Total	AUTOMOTIVE: Glass Metal: oil cans other Rubber: tire other Plastic: anti-freeze other	NEWSPAPER: HOUSEHOLD: Plastic Paper (incl. alum foil)	rdboard her (incl	LIQUOR BOTTLES: MISC. GLASS: MISC. PLASTIC:	MISC. METAL: Cans Other CLEANING AGENT TOILETRIES CONTAINERS.	UNWRAPPED FOOD: O'THER:

CLASSIFICATION	Pt. 17 Essex		Rt. 33 Rockingham	gham	Rt. 366 Amelia	fi ia	Rt. 465 Tazewell	o ell	Rt. 29 Pittsylvania	9 ania	Rt. 460 Bedford	60 rrd	Rt. 13 Northampton Co.	pton Co.	Rt. 7 Loudoun Co.	ın Co.
	1,1	85	T.	33	W.t.	33	₩t.	ષ્ટ્રક	Wt.	ક્લ	Wt.	₽F <sup>®</sup>	Wt.	84	W.E.	Ų.
BEER: Cans: alum non-alum	29.16	17.7	17.13	20.4	27.72	20.9	50.29	10.7	16,74	6.3	1.50	7.5	25.34	8.		.s. 5
Bottles: returnable nonreturnable	32.51	19.7	30,55	36.4	18,33	13.8	88.36	18.8	40.89	15.4	9.40	17.2	100.58	32.5		17.0
Cartons Total	1.54	0.9 38.3	1,78	2.1	<b>0</b> .65	35.2	9.71	2.1 31.6	3,46	34.0	0.70	1.3	5,55	1.8	1.93 48.00	1.1
SOFT DRINK: Cans: alum	25.52	1,7	4, 79	5.7	14.59	11.0	65,09	13.9	1.26	0.5	0.00	0.1	35,45	11,4	0.30	0,2
non-auem Bottles: returnable	6.76		0.99	1.2	0.99	0.7	18.94	.0	25.74	9.1	5.04	10.8	5.94	1.9	6.93	2. 4. 2. 1.
nonreturnable Cartons	42.70	25,8	11.25	13.4	9. 43	7.1	38.70		7, 65	2.9	4.05	4.7	10,35	e .	9.90	6.0
Total	52.28	31.6	17,03	20.3	25.03	18.9	122, 73	26.1	40.63	15.3	15.93	29.1	51.86	16.7	20.97	12.4
PLASTIC SEX PACK HOLDERS:	0.35	0.2	0.07	0.1	0.01	•	0.10	0	0, 13	1	0.01	٠	0	,	0.26	0.2
TAB CAN OPENERS.	0.68	0.4	0	1	8	-	0	-	0		0		0	'	°	'
GROCERY: Paper: paper bags	2.40	0.1	2,95	3.0	1,14		12,24	2.6	2,25	0.8	0,65		4.30	4.4	5.00	3.0
other Plastic	2.32 0.43	  	0.37	4. 1	0.80	9.0	6, 75	4.0	1.90		0.30	0.0	0.86	e 6	1.21	
Metal	1.40	8.0	0.88	1.0	0.24	0.2	1.63	0.3	3,63	4.	0.48	6.0	0.73	0.2	0.85	6.5
ulass Total	7.26	4.4	4.24	5.0	2.63	2.0	21.10	4.5	1,38 9,16	0.5 5.5	1.68	3.1	7.73	2.5	7.06	4.2
PREPARED FOCD: Paper PLASTIC Total	0.96 0.07 1.03	0.0	1.50 0.55 2.05	2.4	3.58 0.20 3.78	2.0	5,30 0,84 6,14	1.1 0:2 1.3	3.98 0.19 4.17	1.5 0.1	0.90 0.15 1.05	1.6 0.3	2.10 0.14 2.24	0.7	3,36 0,61 3,97	0.50
SNACK FOOD: Paper	1.21	0.7	0.42	0.5	0,51	0.4	1.67	0.4	0.73	0.3	0.08	0.1	0.68	0.2	0,95	0.6
TOBACCO: Paper	0.87	0.5	0.59	0.7	1.17	6.0	2,14	0.5	1.91	0.7	0.30	0.5	0.87	0.3	0.66	0.4
	<u>8</u> 8	1 1	00	1 1				1 1	00		00		00	, '	00	1 1
Total	0.87	0.5	0.59	0.7	1, 17	0.9	2,14	0.5	1.91	0.7	0.30	0.5	0.87	0.3	99.0	٠٠٠
AUTOMOTIVE: Glass Metal: oil cans	0.63	1 4 0	1.55	1.8	606	1 1 6	1.80	ب ش	3.50	1.3	00		1.14	- 4.0	0.95	0.6
other Rubber: tire	4	× ,		t t g	31.22	23.5	96.2	20.5	95.60	30.0	07.11	20.5	75.42	24.3	1.30 24.75	0°.5
Plastic: anti-freeze other	0 0	, ,		ı	3.40	2.6		1	000		0	1 1	0	1 1	0 0	( I
Total	5.28	3.2	1.55	1.8	40, 14	30.3	114.20	24.3	103.42	39.0	11.20	20.5	80.27	25.9	27,00	16.0
NEWSPAPER:	0.37	0.2	0.01	,	0,64	0.5	1.51	0.3	0	-	0.04	0,1	1.21	<b>6.</b> 4	1.80	
HOUSEHOLD: Plastic Paper (incl. alum foil)	0.55	6.3	0,36	0.4	3, 90	1.5	17.27	3.7	2.38	0.9	0,12	0.2	0.30	0.1	3.03	1.5
MISC, PAPER: Cardboard Other (incl. paper bags)	5.42 2.30	3,3	0, 19	0.2	2,10	1.6	13.32	2.8	0	1	2.20	4.0	5.26	1.7	11.20	9.9
WINE BOTTLES:	9, 15	5.5	0	'	1.08	0.8	0	,	1.08	0.4	2.16	4.0	7.56	2,4	0	'
LIQUOR BOTTLES:	9.17	5.6	6,88	8.2	4.30	3.2	6,88	1,5	6.88	2,6	0,86	1.6	16,34	5,3	5.16	3.1
MISC, GL/SS:	4.01	2.4	0.61	0.7	1.57	1.2	1.89	4.0	0	'	0	-	0	•	0	'
MISC, PLASTIC:	1.91	1.2	0.24	0.3	0,25	0.2	2,16	0.5	Ú		0.55	1.0	2.61	0.8	0	
Misc. METAL: Cans Other	0		0, 15	0.2	0	1 1	4.45	6.0	0		1.44	2.6	0	1 .	7.35	1 <del>1</del>
CLEANING AGENT TOILETAIRS CONTAINERS.	0.16	0.1	9	i	0	'	0	•	0	-	0	-	0	1	0	1
UNWRAPPED FOOD:	٥		0		0	-	٥	'	0	'	0	-	0	•	0	'
OTHER: Total	165.2	0 00	0,15	2.0	0. 70	0.5	5.56	1.2	4,62	100.0	0.45	8.00	300 005	, 000	28.82 17.1	1.7.1
		;	,,,,,,	1		der distances	_ ,	2 4001		7001	22.20	0.60	20.500	1 :	100.11	00.00

CLASSIFICATION	Rout New K	Route 33 New Kent Co.	Route 3 Westmoreland C	3 reland Co	Route 501 Campbell Co.	501 ell Co.	Route 522 Culpeper	s 522 er	Route 10 Surry Co.		Route 42 Augusta Co.	e 42 a Co.	Route 21 Wythe Co.	1. Co.
	Wt.	86	W.	8€	Wt.	85	Wt.	₽€:	Wt.	%	Wt.	%	Wt.	96
BEER: Cans: alum non-alum	83, 95	21.6	22.97	24.0	20,39	16.6	6.24	14,6	12.68	15,3	1.14	2.5 13.0	1.57	5.1 13.6
bottles: returnable nonreturnable	62,51	16,1	25.85	27.0	27.73	22.5	7,52	17.6	8.17	9.8	17.86	38.7	2.37	7.7
Cartons Total	4,04 150,50	38.7	0.76 49.58	0.8 51.8	2.28 50.40	1.9	2,36 16,12	37.7	0.92	1.1 26.2	0.26 25.26	0.6 54.8	1.02 9.14	3.3
SOFT DRINK: Cans: alum	15, 16	3.9	2.85	3.0	5.81	7.4	1,48	3,5	3,55	i	0 .	1 5	0.	1, 5
Bottles: returnable	6.93	1.8	21.15	22 1	5.94	8,0	0 -	1 6	3,05	3.7	000	9 ,		
Cartons	0 66.64	17.1	24.00	25.1	0 12.65	10.3	3,28	7.7	0 0 11.78		0 10.35	22.4	0.94	3.1
PLASTIC SIX PACK HOLDERS;	0.29	0,1	0.19	0.3	0.02		0.07	0.2	0	,	9.0	0.1	0, 05	0.2
TAB CAN OPENERS:	0	ļ '	0		0	,	0	'	c			'		,
GRUCERY: Paper: paper bags	3.40	6.0	1,64	1.7	1.50	1.2	2.48	5.8	1.21	1.5	0.45	1.0	0.99	3.2
Plastic Unit	0.51	0.0	0.30	6 C	0.24	o o	0.88	다. 다.	0.29	1.4	0.10	0.2	0.40	0.0
Glass	6.71	1.7	0 2.84	3,0	0.25 0.92 3.12	00.0	0.73 5.09	1.7	0.43	3.7	0.61 0 1.22	1.3 6.1	0.09	6, 7
PREPARED FOOD: Paper Plastic Total	3,74 0,42 4,16	0.1	1.34 0.10 1.44	1.4 0.1 1.5	1.27 0.08 1.35	0.1	1, 12 0, 25 1, 37	2.6 0.6 3.2	1,43 0,42 1,85	1.7	0.09	0.2	0.77 0.11 0.88	2.5
SNACK FOOD: Paper	0.50	0,1	0,53	0.6	0,62	0,5	0.62	1.4	0,37	0.4	0,34	0.7	0.40	1.3
1OBACCO: Poper Plastic Metal Total	0.92 0 0 0	0.2	1.00 0 0 1.00	1.0 	0.51 0 0	0.4 0	0.05	E	1.53	8.1.8	0.48	0;1	0.50	1.6
					5	;			۲. ۵۵	0.	0,40	7:7	0.30	٥:۱
	0 1,14 3,62 110,50 1,80	0.3 0.9 28,4 0.5	00000	1111	13.77 0 1.49 2.11	11.2	0 0 2.41 8.30	5.6	0 0 0.67 22.10	0.8 26.6	0 0 1.87 0.58	- 4.1 1.3	0.21 0.16 0.36	0.5
Flastic: nnti-freeze other Total	0 117.06	30,1	c 3	1 1	0	14.1	0 10, 71	25,0	0 22.77	27.4	0.17	0.4	0.77	2,2
NEWSPAPER:	1,45	0.4	0.42	0,4	0.25	0.2	1, 12	2.6	2, 62	3.2	0	'	0	,
HOUSEHOLD: Plastic Payer (incl. alum foil)	0,30	0.2	0.67	7.0	0.72	9.0	c	,	1,76	2.1	0.01	1.3	0,22	. o. i.
MISC, PAFER: Cardboard Other (incl. paper bags)	6.27	1.6	0.87 0.76	0.0 0.8	2.95 0	2.4	0.50	1,2	4.85 1.66	5.8	3.47	7.5	7.19	23.3
WINE BOTTLES:	8.64	2.2	0	-	2,16	1.8	Ú	1	0,65	0.8	1,08	2.3	0	'
EQUOR BOTTLES:	14.62	3.8	0	-	3.44	2.8	0.86	2.0	2,05	2.5	0	-	0.94	3.1
MISC, GLASS:	0	-	0	-	o·	'	0	-	9	'	0			,
MISC, PLASTIC:	1, 79	0.5	0, 11	0,1	0.49	0.4	0	'	0.47	0.6	0.43	0.9	0.25	8.0
MISC, METAL: Cans Other	2.78	0.7	0	1 1	0 26.50	21.5	0	1 1	.00	, ,	00	, ,	00	1 1
CLEANING AGENT TOILETRIES CONTAINERS.	0.26	. 0,1	0	-	0	,	0.70	1,6	0.87	1.0	0	'	°	,
UNWRAPPED FOOD:	٥	,	. 0	-	0	'	0	,	c	'		'	°	,
OTI. SR:	389-10	1.5	13,23	13.8	0,45	0.4	$\overline{}$	4.2	5.05	6.1	0		1, 91	6.2
			2	2.00	123, 110	100.0	42.78	100.0	83.11	100.0	46, 12	99.8		100.1

CLASSIFICATION	Rt. 651 Chesterfiold	51 iold	Rt, 626 Brunswick	26 ick	Rt. 622 Amhorst	Çi 1	Rt. 708 Albemarle	38 Ie	Rt. 605 Lancaster	ter	Rt. 652 Caroline	552 ne	Rt. 612 Augusta	E E	Rt. 657 Clarke	557
	Wt.	86	Μ,	i⊱	Wt.	86	Wt.	8	Wt.	56	Wt.	5%	wt.	£,	W.t.	દ
BEER: Cans: alum	291.87	54.8	63.21	26,5	49.40	20.0	14.50	6	173,25	22.9	45, 19	11,1	15.60	17.8	.35.74	33.3
Bottles: returnable nonreturnable	92.12	17,3	109.51	42.5	62,40	25.2	10.20	7.0	260,85	34.4	82.70	20.4	18.40	21.0	13, 95	13.0
Cartons Total	4,34	0.8	11,85	73.6	3,77	1.5	1.50	1.0	37,45	4.9	2.58	0.6	0.77	9.0	55.33	5.3
SOFT DRINK: Cans: alum	5,59	1,1	7.87	3.1	15.20	6.1	3.20	2.2	27.36	3,6	7.86	1.9	6.40	7.3	12.20	11.4
Bottles: returnablo	1.98	0.4	17.82	6.9	8.50	3.4	1.66	1.	0.00	0.1	0 0		4.60	5.2	3.90	r- e
Cartons Total	39.07		33, 79	13, 1	33.10	13. 4.	25.70	5. 7.	0.00	0.1	38, 32 0	e 1 4	31.30	23. 23. 1	30 . 05 0 . 0 .	გ ე ე ე
PIASTIC SIX PACK HOLDERS.	0,05		0.18	0.1	0.30		0,05	,	0,66	0.1	0.41	0.1	0.03		0.27	0.3
TAB CAN OPENERS:	0	ľ	0	,	0, 17	0, 1	0.10	0.1	C	•	0	-	0, 03	,	8	'
GROCERY: Paper: paper bags	2.87	0.5	6.50	2.5	5.40	2.2	0.40	0.3	14.52	1.9	4.72	1.2	0,40	0.5	1.45	7
other Plastic	0.1.	0 0 0	0.12	000	0.50	0.00	1.80	0 1 0	0.47	0.0	0.61	4 21	0.37	0.0	0,33	-i e
Glass Total	4.14 10,62	20.0	1.84	0.4	1.70		5.70	3.0 10.0	3,50	4 10 0	1. 98 0. 38	o	0.25	n , G	0 0 <del>4</del>	ာ <del>၂</del> ဘ ၁ဝ က က
PREPARED FOOD: Paper Plastic	4.95		2.77	1.1	6.40	2,6	0.40	0.3	11.97		0.65	0.2	2,52	2.9	2.54	2.4
Total	6.03	1.1	2.98	1.2	7.26	2.9	0.70	0.5	13,25		0.94	0.2	2.67	3.0	3, 46	e.
SWACK POOD: Paper	0. +4	0, 1	1.12	0.4	1.03	<b>6</b> .0	0.15	0,1	1,35	0.2	4, 72	1.2	0.19	0.3	1. 63	1.5
TOBACCO: Paper Plastic	1,01	0.2	0.75	6.0	2,14	6.0	0.40	6.0	0.20	1 1	1.23	0.3	0.63	0.7	0.32	0.3
Meta! Total	1.01	0.2	0, 75	0.3	2, 14	6.0	0,40	0.3	0.20	7	1.23	5.0	0.63	0.7	0.32	6
AUTOMOTIVE: Glass	0	,	0	'	9		0	,	0	,	C		0,09	0.1	0	Γ
Metal: oil cans other	0.95 23.80	4.0	00		0.84	0.3	1.00	0.7	3.20	0.4	0 66, 63	16.4	00	, ,	0.95	6.0
	0.67	0.1	00	1 1	0, 15	0,1	43,00	29.5	0 0	1 1	25.43	6.3	0.38	4.0	0,0	7 1
Plastic: anti-freeze	0.39	0.1	0	1	0,45	0.2	0	1		1	0	1	0,02	1	· 0	ı
Total	25,81	4.9	0	•	1,44	9.0	44.00	30.2	5.78	0.8	95.06	22.7	0.49	0.6	0.95	0.9
NEWSPAPER:	6.14	1.2	0.34	0.1	1.21	0.5	0.70	0.5	2.63	0.4	2,06	0.5	0.23	0,3	0,86	8.0
HOUSEHOLD: Plastic Paper (incl. alum foil)	0.75	0, 1	1,06	0.4	0.05	-	0.01	ı	3.61	0.5	0.85	0.2	0.55	9.0	0.25	0.2
MISC. PAPER: Cardboard Other (incl. paper bags)	10.97	0.2	00	1 1	15.70	6.4	1.00	0.7	17.86 16.19	2.4	7.21	1.8	4.24 0.06	4.8 0.1	0.9	5.6
WINE BOTTLES.	. 9, 72	1.8	6.48	2.5	6.05	2.5	09.0	4.0	31, 32	4.1	4.40	1.1	1.90	2.2	1.03	1.0
LIQUOR BOTTLES:	22.36	4.2	8.6	3,3	14.10	5.7	2.40	1.7	50.74	6.7	8.67	2.1	4.90	5.6	2.58	2.4
MISC, GLASS:	0	1	0	-	0,82	0.3	3,60	2.5	C	,	0		0	,	0	
MISC, PLASTIC:	5.84	1.1	0.41	0.2	0.87	4.0	0	1	7,86	1.0	1,97	0.5	0.49	9.0	0.67	9.0
MISC, METAL, Cans Other	.2		0	f 1	0.25	0.1	23.78	16.3	2.52	0.3	35,44	8.7	3,13	3.6	08	<u> </u>
CLEANING AGENT TOILETRIES CONTAINERS:	0	-	0	•	0.73	0.3	0, 56	0.4	0.22	1	0	-	0	•	0	
CNWPAPPED FOOD:		'	0	1.	0.01	'	0	-	0		0	'	0	•	0	1
OTHER. Total	4.09	100.1	257,61	100,1	32,40	13,1	0,30	100.2	0,25	1001	60,63	14.9	0,52	9.0	0 7	18
						1	1 00 000	1700.	1901961	7 707	400. 40					100

CLASSIFICATION	Se te	813 Co.	Route 606 Sussex	90	Route 647 Suffolk	647 olk	Route 630 York	630 k	Route 620 Fairfax	20	Route 614 Botetourt	514 urt	Route 614 Patrick Co.	614 k Co.	Route 750 Pittsylvania	750 ania
	11.1	86	1	84	Wt.	86	Wt.	8	Wt.	88	Wt,	86	Wt.	PE	Wt.	بارع
BEER: Cans: alum non-alum	20.04	4.8	22,55	16.3	93,46	39.7	43.56	14.7	7.32	4.1	3.00	4.2	5.82	15.6	6,88	2.3
Bottles: returnable nonreturnable	114.60	27.2	34, 75		16,45	•	65.80	22.2	46.53	25.9	31,96	44.7	5.17	13.8	7	26.0
Cartons Tal	13,75 224,83	53.4	2,30 59,60	1.7	3.20	1.4	3.22	1.1 38.0	4.28 91.97	51.2	3,55	5.0	1.37	3.7	10.70 142.45	3.6 48.6
SOFT DRINK: Cans: alum non-alum	3.07	0.7	6.03	4.4	23.37	6.6	23.60	8.0	0.30	2.0	0 %	, ,	0,54	1.4	1,92	7.0
Bottles: returnable nonreturnable	0	27.2	10.67	7.7	0 12.60		0 22 50	٠,	3,96	. 01 a	. 0 5		66.0	2.6	2.93	0 0 1
Cartons Total	0 142,99	33.9	0 45,35	32.8	2,96 38,93	1.3	46.10	15.5	30,36	16.9	19.14	26.8	5.49	14,7	0.78 32.92	0.3
PLASTIC SIX PACK HOLDERS:	0.04	,	0.03	,	0.15	0.1	0.13	1.	0,11	0.1	0.21	0.3	0.08	0.2	0.28	0.1
TAB CAN OPENERS:	0	'	0	,	0	•	0	-	0	1	0.03	,	0			,
GROCERY: Paper: paper bags other Plastic Metal Glass Total	6.16 5.13 0.35 0 0	1.5	4.25 0.32 0.86 1.96 7.39	 2.0 4.1 8.3	5. 13 3. 83 0 3. 03 0. 46	2.2 1.6 1.3 0.2	10.35 4.31 3.46 2.65 0	3.5 1.5 0.9	5.90 3.97 0.61 0.92	8 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0.98 0 0 1.50	2.1.2.4	0.80 0.44 0.40 0.97	2.1 1.1 2.6 1.0	8,24 3,74 1,53 0,96	2.8 0.5 0.5 0.8
PREPARED FOOD: Paper Plastic Total	4,35 0,37 4,72	0.1	1.32 0.26 1.58	1.0	0.37	0.2	12.14 1.24 13.38		8.85 1.35 10.20		000		0.03		16.85 1.33 1.33	. c.o.s.
SNACK FOOD: Paper	1,46	0.3	1.24	6.0	1, 76	0.7	1.36	0.5	0.59	0.3	1,18	1.7	0,17		1.80	
TOBACCO: Paper Plastic Metal Total	9°0 0 9°0	0.1	0.66 0 0 0.66	0.5	0.41 0 0.41	0.2	2.10 0 2.10	0.7	0.91 0 0.15 1.06	0.5	0.37	0.0	0.19 0 0 0.19	0.5	1.0 0.0 5.1	9.0
AUTOMOTIVE: Glass Metal: oil cans other Rubber: tire other Plastic: anti-freeze other	0 14.50 0.67 0.34	3.4	•••••	1 1 1 1 1	00000	1 ( 1 1 1 1	000000	11111	000000	11111	000000	11111	000000000000000000000000000000000000000	1.7		0.5
Total NEWSPAPER:	15.51	3.7	1.05	, 8	2.25	' -	0 22	ر ا س	0 %	- 6	0	1	0.65	1,7	5,42	8
HOUSEHOLD: Plastic Paper (incl. alum foil)	5.80	1.4		1.8	8,29	3.5	12, 45	4.2	1.50		, 0		0 0.14		4.84	1.7
LIISC, PAPER: Cardboard Other (incl. paper bags)	0.61	0.1	0 0	. 1 1	27.86 0	11.8	33.19 0	11.2	1.79	1.0	00	1 1	1.02	2.7	25.80	8 6 0 8 0
WINE BOTTLES:	7.63	1.8	4,58	3.3	8.64	3.7	8.64	2.9	0	,	0	,	0	1	3.24	1.1
LIQUOR BOITLES:	5.16	1,2	13, 10	9.5	6,02	2.6	12.90	4.4	6.02	3.3	0		0,86	2.3	12.90	4.4
MISC, GLASS:	0	'	0	-	0	'	4.07	1.4	0		0	-	0	,	0	,
MISC, PLASTIC:	0	'	0.19	0,1	98.9	2.9	0.77	0.3	4.41	2.5	0.15	0.2	0.24	9.0	0	,
MISC. METAL: Cans Other	0	1 1	00		00		7.65 1.90	2.6 0.6	0,19	0.1 6.2	0.56	.0	00	1 1	00	, ,
CLEANING AGENT TOILETRIES CONTAINERS.	0	,	0.77	9.0	1.50	0.6	0		0	•	0	1	0	,	0	,
UNWRAPPED FOOD:	0	•	0		0		0		0	,	0	'	0		2	
OTHER: Total	0.18	9.66	0.30	100.0	6,98	3.0	1,40	0.5		1.3	٥		0.20	1	17.39	6
	201010	•		7				100.1	179, 77	-	71.51	100.1	37,41			99.9

CLASSIFICATION	Route 738 Pulaski Co.		Route	Route 641 Loudoun Co.	Route 742 Wythe Co.	42	Route 603 Halifax Co.	303 Co.	Route 655 Bodford Co.	355 d Co.	Route 740 Washington Co.	740 on Co.
	Wt.	84.	W.t.	S.E.	Wt.	86	Wt.	8	Wt.	26	Wt.	કર
BEER: Cans: alum non-alum	18.75	4.9	12.36 95,40	2.5	5.46	18.3 36.0	6.00	1.6	10.98	4.0	10.00	8.8
Doules: returnable nonreturnable	68.21		162,15	32.6	0	,	0.67	33.4	20.21	7.3	92, 12	34.8
Cartons Total	4.31 174.06	1.1	14,75 284,66	3.0 57.2	3.58 19.79	12.0 66.3	9.63 261.52	2.5	4.15	1.5	12.68 138.08	52.2
SOFT DRINK: Cans: alum non-alum	0 23, 32		0.48	0.1	2.82	, 6	1,62 9,36	0.4	0.30	0.1	90.04	1 4
Bottles: returnable nonreturnable	0 19, 78		41,58	4-	0	4	6,93		14.85	4.4	10.50	4.0
Cartons	43,10	11,3	0.17 101.18	20,3	4, 19	14.0	0.57	6.0	0.15	20.3	4.93 0 54.60	20.7
PLASTIC SIX PACK HOLDERS:	0.46	0.1	0.22	,	0.08	0.3	0,37	0.1	0.37	0.1	0.06	
TAB CAN OPENERS:	0	'	0		0	•	0	,	0	,	0	
GROCERY: Paper: paper bags other Plastic Metal Glass	1.13 3.00 0.67 0.94	40000 6000	5.75 1.99 0.73 1.94 2.76	4.0 24.14.0	0.98 0.13 0.22 0.48	2.00.1.2 2.4.5	5.73 4.47 0.77 5.69	1.5	4, 13 2,89 3,49 3,87		4.20 1.48 0.48 1.32	0.00
PREPARED FOOD: Paper Plastic Total	2.40	0.00	6.89	4.0.1	0.49	0.1	4.40	0.1	1.57	0.0	2.23	8 8 6 6
SNACK FOOD: Paper	2.92	0.8	0,63	0,1	0.40		1.90	0.5	1.98		0.65	0.2
TOBACCO: Paper Plastic Metal	2.83 0 0 2.83	0.7	0, 34 0 0, 34 0, 34	0.1.0	2 2	0,1	1.94 0 0 1.94	0.5	0.89 0 0 0.89	0.3 	1.52 0 0 0 1.52	9.0
AUTOMOTIVE: Glass Metal: oil cans other Rubber: tire other Plastic: anti-frecze other	5.00 22.00 18.00 0	. 1. 3. 3. 5. 7. 4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	0 1.30 0 0	0.3	000000		0 2.26 4.98 0	0.6	0 0.20 35.40 0	0.1	2.53 0.06 0	0 1 1 1 1
Total Newspaper.	45.00	11.8	3.60	0.7	0	-	7.24	1.9			2.59	1.0
HOUSEHOLD: Plastic Paper (incl. alum foil)	2.01		0.57	0.1	0.27	0.9	1,11	6.0	0.85	0 0	0.87	0.3
MISC, PAPER: Cardboard Other (incl. paper bags)	4.96	1,3	14.85	3.0	0.21	0.7	7.62	2.0	30.80	11.1	2.86	1,1
WINE BOTTLES:	0	1	8,64	1,7	0	1	3.24	0.9	1.08	0.4	15,91	6.0
LRUOR BOTTLES:	72.62	19.1	23,22	4,7	1,83	6.1	18,06	4.8	7.74	2.8	31,60	12.0
MISC, GLASS:	5.30	1.4	0	,	0	-	0	,	0	'	0	,
MISC, PLASTIC:	2,11	9.0	0,92	0.2	0	1	1,31	0.3	17.50	6,3	2.01	0.8
MISC, METAL: Cans Other	00	11	3,45	0.7	00	1 1	4.37	1.2	00	٠,	00	
CLEANING AGENT TOILETRIES CONTAINERS:	0	•	0.07		0	,	0		0.22	0.1	0	,
UNWRAPPED FOOD:	0	1	0.	,	. 0	ı	0	,	0		.0	
OTHER:	8, 12	2.1	23,30	4.7	0		3,05	8.0	0	•	0	'
Total	380.51	6.66	197, 40	99.8	29.84	8.66	- 1	100.0	277.22	100.0	264.38	100.0

CIASSIFICATION	Alexandria Hand Truck	ria ruck	Sullin	Sullins College Bristol	Richn Hand	Richmond Hand Pickup	Alexandria Hand Cart	Gart	Bristol Downtown	wn	Norfolk Granby St.	St.	Norfolk Tidewater Dr.	er Dr.
	Wt.	86	Wt.	Pé	Wt.	85	Wt.	æ	Wt,	8	Wt.	98	Wt.	84
BEER: Cans: alum non-alum	2.49	18.2	8.45	20.3	5.30	6.0	411	0,5	0.29	6.4	0.31	8.3	1.10	10.1
Bottles: returnable nonreturnable	1.49	10.9	7.63	18.3	2.50	2.8	1.10	5,3	0		0	ı	1.65	15.2
Cartons Total	3.98	29.2	0.28 16.36	0,7 39.3	0.33 8.13	9.2	1.21	5,8	0.29	6.4	0.31	1 6.3	2.75	25.4
SOFT DRINK: Cans: alum non-alum	٥	,	5.40	13.0	2.10	2.4	0.23	1.1	1.01	22.3			0.55	5.1
Bottles: returnable nonreturnable	1.27	1 6	1.32	3.2	1.03	1.2	0 4 7 2	9 66	0.68	15.0	0 ;	1 0	0 2	
Cartons Total	1.27	6.6	6.72	16.2	0.30	32.5	95	23.7	2,39	52.8	2.56	35.2	1.29	11.9
PLASTIC SIX PACK HOLDERS:	0.02	0.1	0.02	_	0		0	'	0	,	0.01	0,1	0	
TAB CAN OPENERS:	0	'	0	1	0		0	'	0	-	0	,	0	'
GROCERY: Paper: paper bags other	0,61	4.5	0.31	- 0	2,53	2.9	0.50	4.0	0.12	2.6	0 9	';	1.12	10.3
Plastic Metal	0.13		0,36	6.0	0.84	0 0	900		0.23	5.1	0.01	0.0	60°	r- ! !
Glass Total	1.20	8.8	0.67	1.6	0.64	5.4	0 1.10	ۍ دی	0.42	6 8	0.85	11.7	0.33	3.1
PREPARED FOOD: Paper Plastic	0.88 0.17	6.4	1.82	4.4	1.63	1.8	0.63	3.0	0.38	8.4	0.76	10.5	1.12	10.3
Total	1.05	7.6	2.21	5.3	2.13	2.4	0.79	3.8	0.40	8.8		12.2	1.35	12.4
SNACK FOOD: Paper	0.42	3.1	0.01	1	0.65	0.7	0,50	2.4	.41	9,1	0,08	1.1	1.50	
TOBACCO: Paper Plastic Metal	0.77	5.6	0.63 0	1.5	0.30	e. 1	0.50	4.2	0.24	5.3	0, 15 0	2.1	0.31 0.08	2.9
Total	0.77	5.6	0,63	1.5	0.30	.3	0.50	2.4	0.24	3 1	0, 15.	2.1	0.39	3.6
AUTOMOTIVE: Glass Metal: oil cans	0 0		0 0	1	0 0		0 0	'	0 0	•	0 (	ı	ò ·	'
other Rubber: tire			, ,	,	2.73	3.1	· c	1 1	> c	, ,	> 6	í i	<b>-</b>	
Other Plastic: anti-freeze	•	1	•	ı	o o	1 1	. 0	1	, ,	1				1 1
Total	0	'	0	_	2.73	3,1	0	,	0		0	1	0	•
NEWSPAPER:	0.14	1.0	0.44	1.1	4.17	4.7	1.78	8.5	0.01	0.2	0,09	1.2	0,13	1.2
HOUSEHOLD: Plastic Paper (incl. alum foil)	2.32	17.0	3.26	7.8	3.33	3.8	2.02	7.6	0.35	7.7	0,07	1.0	0.00	9.0
MISC, PAPER: Cardboard Other (incl. paper bags)	0.43	3.1	0.65	1.6	18,43 0.96	20.8 1.1	4.74	22.7 6.7	0.02	4.0	0.79	10.9 13.4	0.35	3.2
WINE BOTTLES:	0		4.22	10.1	2.13	2.4	1.21	5.8	0	1	0	-	0	
LIQUOR BOTTLES:	٥	'	0,56	1.3	0.83	6.0	0	1	0	'	0		0	,
MISC, GLASS.	0	ı	3.16	9.7	٥.	,	0	'	0	1	0		0	
MISC, PLASTIC:	0	-	0.24	9*0	0	-	0.44	2.1	0	1	0.26	3.6	0.39	3.6
MISC, METAL: Cans Other	2.05	15.0	••	11	3.33	3.8	00	1 1	00	1 1	0	1.1	0.39	3.6
CLEANING AGENT TOILETTHES CONTAINERS.	0		0		0.80	6.9	0	<u> </u>	•	•	0	1	0	
UNWRAPPED FOOD:	0	-	0	,	0	-	0	'	0	1	0	-	0	,
ODJER:	0 5		2.45	5.9	5.31	6.0	0,21	1.0	0	•	0, 25	3.4	0.09	0.8
Total	40.00	2.001	41.00	a	88.71	100.1	20.85	99.9	4.53	100.0	7.27	100.1	10,85	100.1

W1, 6, 6, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	Da	Danville	Charlo	Charlottesv!!le	Rich	Richmond	Alexandria	dria	Alexandria (Elephant Vac)	ria nt Vac)	Charlottesville Barracks Road	sville Road
Cartons alum	W.t.	$\dashv$	Wt.	86	W.	86	Wt.	8	Wt.	88	Wt.	₽¢.
Bottles: returnable   0			1,30	16.5	8.20	30.3	10.44	21,4	0	1	0,95	9.8
Cartons   Cartons   Cartons   Cartons   Total   Cartons		1	0.05	9.0	0		0		0	,	۰	ı
ROW: Cans. alum	Total 3.	12.4	0.58 1.93	24.5	8.20	30.3	0.77	1.6 23.0	00	1 1	0.11 1.06	1.0 9.6
Pattles: returnable   0	ılum 2.		0.53		3,32	12.3	8.40	17.2	0, 16	7.5	0.95	8.6
Cartons Total 0 0.18 8.9 0.75 9.9  CSIX PACK HOLDERS: 0.06 0.075 0.08  NOPENERS: 0.14 0.6 0.38 4.6  RY: Paper: paper bags 0.61 2.5 0.19 2.4  Plustic other 0.07 0.07 0.09 0.00 0.00 0.00 0.00 0.00			0.25		00		0 76	J		, ,	00	. 1 1
NOPENIERS: 0.05 0.2 0.06 0.8	2.0		0.78		3,32	12.3	9,16		0,16	7.5	0 6	1
No Per New No.   0.14   0.6   0.36   4.6   1.6	0.	0.2	0.00	0.8	0.07	0.3	0.20	0.4	0	'		
Note			0,36		0	-	0	,	0	-	0.03	0.3
Plastic		2.5		3.9	0 75	ی ا	0.31	9.0	0	' :	0.81	7.3
Class   Total   2.06   8.4   0.58   7.4     RED FOOD: Paper		20.0		* & 0	0.19	0	2.00 EI.00	4. 1 1	0.24	11.2	 4.33	0.6
1.06   8.0   0.34   4.3   4.5     1.06   Paper   1.06   8.0   0.34   4.1     1.07   Plastic   1.03   4.2   0.26   3.3     1.03   4.2   0.26   3.3     1.03   4.2   0.26   3.3     1.04   0.0   2.1   0.26   3.3     1.05   Plastic   1.28   5.3   0.55   7.0     1.08   2.1   0.55   7.0     1.08   2.1   0.55   7.0     1.08   2.1   0.55   7.0     1.08   2.1   0.55   7.0     1.08   2.1   0.55   7.0     1.08   2.1   0.55   7.0     1.08   2.1   0.55   7.0     1.08   2.1   0.55   7.0     1.08   2.1   0.5   0.55   7.0     1.08   2.1   0.5   0.5   0.5     1.09   2.1   0.1     1.01   Plastic   1.01   0.1     1.01   1.01   1.01     1.01	Total	8.4		7.4	0.34	1.3	2.44	5.0	0.24	11.2	2.18	19.8
1,03   4,2   0,26   3,3   3,4   4,2   0,26   3,3   4,2   4	Paper Plastic Total		0.34 0.03 0.37	6.4	2.45 0.24 2.69	9.1 0.9 9.9	6.28 2.34 8.62	12.9 4.8 17.7	0.09 0.10 0.19	4.2 4.7 8.9	2.08	18.9 2.3
Oi. Paper         1.28         5.3         0.55         7.0           Plastic Metal         Total         1.28         5.3         0.55         7.0           OTIVE: Glass Other Glass Other Glass Other (Inclementation of the Other other Other Other State)         0         - </td <td>1,</td> <td></td> <td>0,26</td> <td>3.3</td> <td>5.94</td> <td>22.0</td> <td>2,43</td> <td>5.0</td> <td>0,01</td> <td>0.5</td> <td>0.22</td> <td>2.0</td>	1,		0,26	3.3	5.94	22.0	2,43	5.0	0,01	0.5	0.22	2.0
OTIVE: Glass         0         -         0         -           Actal: oil cans other futer         0         -         0         -           Rubber: tire other futer         0         -         0         -           Plastic: anti-freeze         0         -         0         -           OLD: Plastic other Total         0.83         3.4         0.01         0.1           OLD: Plastic Other (incl. alum foil)         0.94         3.9         0.20         2.5           APER: Cardboard Other (incl. paper bags)         0.94         3.9         0.20         2.5           DITLES:         0         -         0         -         0         -           APER: Cardboard Other (incl. paper bags)         0         -         0         2.5         2.5           DITLES:         0         -         0         -         0         -         0           IASS:         0         -         0         -         0         -           ETAL: Cans         0         -         0         0         -         0         -           AGAGENT Growth         0         -         0         -         0         -           Other </td <td>Total</td> <td>5.3</td> <td>0.55 0 0 0 0.55</td> <td>7.0</td> <td>1.18 0 0 0 1.18</td> <td>4.1.4</td> <td>1.08 0 0 1.08</td> <td>2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,</td> <td>0.45 0 0 0.45</td> <td>21.0</td> <td>0.46 0 0</td> <td>5110</td>	Total	5.3	0.55 0 0 0 0.55	7.0	1.18 0 0 0 1.18	4.1.4	1.08 0 0 1.08	2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	0.45 0 0 0.45	21.0	0.46 0 0	5110
Metal: on cans other Gubber: fire other other Plastic: anti-freeze other Total         0         -         0         -         -         0         -         -         0         -         -         0         -         -         0         -         -         0         -         -         0         -         -         0         -         -         0         -         -         0         -         -         0         -         -         0         -         -         0         -		' 	0	1	0		- 1	,			: 1	. 1
Rubber: tire other Plastic: anti-freeze other Toxal         0         -         0         -           Plastic: anti-freeze other Toxal         0         -         0         -         0         -           Other Other Toxal         0.83         3.4         0.01         -         0         -           OLD: Plastic other (incl. alum foil)         0.94         3.9         0.20         2.5           APER: Cardboard Other (incl. paper bags)         4.74         19,4         0         -         0         -           Other (incl. paper bags)         0         -		' 	0	1	0	ı		,		•		
Plastic: anti-freeze other         0         -         0         -           Other Other         Total         0         -         0         -           PER:         0.04         3.4         0.01         0.1           OLD: Plastic Paper (incl. alum foil)         0.94         3.9         0.20         2.5           APER: Cardboard Other (incl. paper bags)         0         -         0.20         2.5           DTTLES:         0         -         0         -         0.20         2.5           JTTLES:         0         -         0         -         0.20         -         0         -         1.4         0.1         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         -         0         -         0         -         -         0         -         0         -         0         -         0         -         -         0         -			0	,	0	ı	0	1	0		000	. , ,
Total         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         -         -         0         -         -         0         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <td>reeze</td> <td>'</td> <td>0</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>ı</td> <td>0</td> <td>ı</td> <td></td> <td></td>	reeze	'	0	1	0	1	0	ı	0	ı		
OLD:         Plastic         0.94         3.9         0.20         0.1           OLD:         Plastic         0.94         3.9         0.20         2.5           APER:         Cardboard         4.74         19,4         0         2.5           Other (incl. paper bags)         0         -         0.20         2.5           DITLES:         0         -         0         -         0           BOTTLES:         0         -         0         -         0         -           IASS:         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         -         0	al	1	0	_	0			,				•
OLD: Plastie         0.0H         3.9         0.20         2.5           APER: Cardboard Other (inel. paper bags)         4.74         19.4         0         -         0.20         -         2.5           DTTLES:         0         -         0         -         0         -         0         -           BOTTLES:         0         -         0         -         0         -         0         -         1         -         0         -         -         0         -         -         0         -         0         -         0         -         0         -         -         0         -         -         0         -         -         0         -         -         0         -         -		3.4	0.01	0.1	0.50	1.8	6.28	12.9	0.64	29.9	0.07	0.6
APER: Cardboard d. 14.74 19.4 0 - Cardboard Other (inel, paper bags) 0 - Cardboard Cardboard Other (inel, paper bags) 0 - Cardboard Card	m foil)	3,9	0.20	2.5	1,23	4.5	2,00	4.1	0.42	19,6	0.26	2.4
DTTLES:         0         -         0         -           BOTTLES:         0         -         0         -           LASS:         0         -         0,01         0.1           LASTIG:         0         -         0,01         0,1           ETAL:         Cans         0,21         0,27         3.4           NG AGENT TOILETRIES CONTAINERS:         0         -         0,01         -           PED FOOD:         0         -         0,01         0,1         0,1           APED FOOD:         0         -         0,01         0,1         0,1	4.	19.4	0.20	2.5	0.65	2.4	1.54	3.2	00	, ,	1.34	12.1
BOTTLES:         0         -         0         -           IASS:         0         -         0.01         0.1           LASTIC:         0.70         2.9         0.27         3.4           ETAL: Cans Other         0.21         0.9         0         -           Other Other TOILETWIES CONTAINERS:         0         -         0         -           PPED POOD:         0         -         0.01         0.1           OPED POOD:         0         -         0.01         0.1           A49         14.3         1.56         19.8	0	-	0	,	0		0	,	0	-	٥	•
IASS:       0       -       0.01       0.1         LASTIC:       0.70       2.9       0.27       3.4         ETAL: Cans Other       0.21       0.9       0       -         NG AGENT TOILETRIES CONTAINERS:       0       -       0.01       -         PPED FOOD:       0       -       0.01       0.1         3.49       14.3       1.56       19.8		'	0	-	0	•	0,61	1,3	0	,	0	
LASTIC:       0.70       2.9       0.27       3.4         ETAL: Cans Other       0.21       0.9       0       -         Other Other POILETRIES CONTAINERS:       0       -       0       -         PPED POOD:       0       -       0.01       0.1         3.49       14.3       1.56       19.8	0	1	0.01	0.1	0.32	1,2	0	,	0	,	0.28	2.5
ETAL: Cans     0.21     0.9     0     -       Other     1.60     6.6     0.73     9.3       NG AGENT TOILETRIES CONTAINERS:     0     -     0.0     -       OPED FOOD:     0     -     0.01     0.1       3.49     14.3     1.66     19.8	0.70	2.9	7	3.4	0	1	0,56	1,1	0.03	1.4	1.00	9.1
NG AGENT TOILETRIES CONTAINERS: 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0		0.9 6.6		9,3	0	1 1	0.22	0,5	00	1 ,	0.72	6.5
0 - 0.01 0.1 0.1 3.49 14.3 1.56 19.8		•	. 0	-	0	1	0	1	0		0	,
3,49 14,3 1,56 19,8		•	.0 <b>.0</b> 1	0.1	. 0	ı	0		0	-	0	١,
		14.3	1.56		2,61	9.6	1.95	4.0	0	-	0.03	0.3
24,38 100,0 7,88 99,9	Total 24,38	100.0	7.88	99.9	27.06	100.0	48.7	100.0	2,14	100.0	11.03	100.0

	Charlotteenille	octillo.	San	Charlettomillo	1,540		110000		1110000		Norfolk					
CLASSIFICATION	Washing	Washington Park	McIntire Park	Park	Eelmon	Belmont Park	Danyille Playground	cound	Norfolk Zoo	002	Botanical	. s .	Norfolk Lakewood	ik od	Norfolk City Park	 
	Wt.	8	Wt.	8	Wt.	88	Wt.	P.C	Wı.	86	Wt.	pe	Wt.	86	Wt.	<b>ರ್</b>
BEER: Cans: alum non-alum	4.48	8.7	4.30	21.8	0,32	2.4	5,84	8.9	0.41	6.0	5.35	10.5	0.70	11,6	0.84	0.0
bottles: returnable nonreturnable	22,37	43.6	0	ı	2, 11	16.1	7.52	8.7	99.9	14.7	1,17	. 2. 8.	0.77	12.8	2.17	18.0
Cartons	0.74 27.59	53.8	4.30	21.8	2.43	18.6	0.26	0.3 15.8	0.64 8.13	1.4	99.8	17.0	1.47	24.4	3.28	27.3
SOFT DRINK: Cans: alum	2, 73	5.3	0.52	2.6	0.90	6.9	10,83	12.5	0 0	, ,	2,45	3,	0	'	0.04	0.3
Bottles: returnable	1,10	16.8	2.90	14.7	0.95		5,94	6.9	02.20	g. 1		17.6		' '	0.76	6.3
Cartons Total	12.47	24.3	5.37	27.3	9,11	9.69	25.77	29.8	0 4.30	9.5	1. 92 0 13. 32	26.2	1.35	22.4	1.50 0 2.30	12.5
PLASTIC SIX PACK HOLDERS:	0,03	0.1	0.01	0,1	0.04	0.3	0.05	0.1	0.01	,	0.09	0.2	0	,	0.02	0.2
TAB CAN OPENERS:	0.01		0	1	0	-	0,05	0.1	0	,	٥	,	0	,	0	,
GNOCERY: Paper: paper bags other Plastic Metal Glass Total	0.08 0.22 0.01 0.02 0.33	0.4	0.11 0.04 0 0	0.0	0.09 0 0 0.05 0	0.7	6.09 3.69 0.84 0.85 0	7.0 4.3 1.0 1.0	0 5.00 0.42 0.14 2.28	11.1 0.9 0.3 5.0	2.20 0.76 5.68 0.60 0.34	4	0.10	1.1.1	0.49 0.23 0.18 0.90	6.1.0
PREPARED FOOD: Paper Plastic Total	0.30 0.08 0.38	0.6 0.2 0.7	7.69 0.25 7.94	39.0 1.3 40.3	000	111	3.53 0.41 3.94		10.01 0.23 10.24	22.1 0.5 22.6	4.04	1.3	0.74 0.10 0.84	12.3	0.75	0.12
SNACK FOOD: Paper .	0.45	0.9	0.80	4.1	0.10	0.8	2.91	3.4	1,94	4.3	0.83	1.6	0,23	3.8	0.19	1.6
TOBACCO: Paper Plastic Metal Total	0.13 0 0 0 0.13	0.3	0.30	1.5	0000	1111	0.76 0 0.76	0.9 - 0.9	0.64 0 0 0 0.64	1.4	0.82 0.82	1.6	0.03	0.5	80.00	0.7
AUTOMOTIVE: Glass Metal: oil cans other Rubber: tire other Plastic: anti-freeze other Total	••••	1111111	0000000	11111111	0000000		000000000000000000000000000000000000000	0.1	0000000	,,,,,,	0 0 0 4.26 0 0 0 4.26	1 1 2 1 1 1 8	0000000	1111111		
NEWSPAPER;	0,09	0.2	0	,	o	'	0,79	0.9	0		4.22	8.3	0	'	0	Ţ,
HOUSEHOLD: Plastic Paper (incl. alum foil)	0,48	0.9	0.57	2.9	0	ı	2.59	3.0	0.93	2.1	1.45	2.9	0.01	0.1	0.01	0.1
MISC, PAPER: Cardboard Other (incl. paper bags)	00	1 1	0.21	1.1	0	t i	0 0.12	0.1	00		0	2.2	0.60	10.0	0.16	1,3
WINE BOTTLES:	4.50	8.8	0	-	1.10	8.4	17.28	20.0	11.00	24.3	. 0	'	1.20	19.9	3.40	28.3
LIQUOR BOTTLES:	0.78	1.5	0	,	0	1	0	,	0	-	0.86	1.7	0			
MISC, GLASS;	0,93	1.8	0	•	O	,	1,74	2.0	0	ı	0		0	'	0	,
MISC, PLASTIC:	0, 15	0.3	0,02	0, 1	0	•	90.0	0, 1	0.22	0.5	0,55	1,1	0	Ŀ	0.03	0.3
MISC, METAL: Cans Other	2.90	5.7	0 0.02	6,1	0 0.17	1.3	0	0.3	0	1 1	00	1 1	0.20	3.8	00	١,
CLEANING AGENT TOILETRIES CONTAINERS.	0.06	0,1	0	•	. 0	1	0.30	0,3	0	-	0.02	'	۰		0	,
UNWRAPPED_FOOD:		,	0	'	0	•	1, 76	2.0	0	-	0	•	0	L	0	T .
OTHER:	0.03		0.01	0, 1	0	'	1 1	3.4	1 1	. '	0.49	1.0	0		٥	  -
Total	51.30	100.0	19, 70	100.2	13.09	100,1	86.42	100.2	15.25	100.0	50,95	100.0	6.02	100.0		100.2

CLASSIFICATION		Winchester Park	ter	Pocohantas Campground	untas round	
		¥1.	8	Wt.	يخ	
<i>-</i> = ∘		0.95	3.2	0.12	81 84 80 80	
Bottles: returnable nonreturnable		17.10	46.0	0,94	22.9	
Cartons	Total	0.95 20,18	54.3	1,18	28.7	
SOFT DRINK: Cans: alum		0	11.6	. 0	35.0	
Bottles: returnable	<del></del>	4.93	13,3		- 16	
Cartons Cartons	Total	9.23	24.8	2.34	56.9	
PLASTIC SIX PACK HOLDERS;		0.04	0.1	0		
TAB CAN OPENERS.		0.04	0,1	0	_	
GROCERY: Paper: paper bags	·	1,97	5,3	0	•	
Plastic Metal			j F 1	0,02	0.5	
	Total	1.97	5.3	0.02	0.5	
PREPARED FOOD: Paper Plastic	Total	0.22 0.70 0.92	0.6 1.9 2.5	0.14 0.07 0.21	3.4 1.7 5.1	
SNACK FOOD: Paper		1,65	4.4	0.05	1,2	
TOBACCO: Paper Plastic		0.38	1.0	0.02	0.5	
	Total	0.38	1.0	000	0.5	
		0		0	,	
Metal: oil cans other		o <b>o</b>	1 1		1 1	
Rubber: tire other		00	1 1	00	1 1	
Plastic: anti-freeze			) 1		1 1	
	Total		•	۰ - ا	1	
NEWSPAPER;		0.22	0.0	0	1	
HOUSEHOLD: Plastic Paper (incl. alum foil)		0.02	0.1	0	-	
MISC. PAPER: Cardboard Other (incl. paper bags)		0 2.40	6.5	0.20	4.9	
WINE BOTTLES:		0	1	0	1	
LIQUOR BOTTLES:		0	-	0	-	
MISC, GLASS:		0	-	0	•	
MISC, PLASTIC:		0	1	0.09	2.3	
MISC, METAL: Cans Other		00	1 1	0	-	
CLEANING AGENT TOILETRIES CONTAINERS.	ERS:	0	_	. 0	-	
UNWRAPPED FOOD:		0	•	0	•	
OTHER;		0.14	0.4	0	.1	
	Total	37.19	100.2	4.11	100.1	

URBAN INTERSTATE	
1	
CLUME FOR PRODUCT GROUP CLASSIFICATION	
Ģ	
GROU.	
CI	
PRODUC	
FOR	
>	
S BY	
POR	
TTER PROPORTION	
ITTER	
LII	

	₹9-I		I-95	29	1-81		1-581		1-264		I-64		I-95	
CIASSIFICATION	Richmond	pnoi	Petersburg	hurg	Bristol		Roanoke		Norfolk	Ì	Hampton	ļ	Fairfax	- 1
	Vol.	ęş	Vol.	$\Omega_{\tilde{G}}$	Vol.	29	Vol.	ક <sup>્</sup>	Vol.	89	Vol.	80	Vol.	દ્વ
BEER: Cans: alum non-alum	14.37	7.8	3.54	12,3	3,03	6.9	2,58	6.0	29.32	18.1	11.57	35.8	10.33	2.3
Bottles: returnable nonreturnable	4.37	2.4	2.37	8.3	3,02	6.9	1,59	3.7	5.14	3.2	3, 16	9.8	2.69	9.0
Cartons Total	20.91	1.2	0.09	0.3	8.58	19.5	0.92	2.2	1,01	0.6	0.40	1.2 46.7	1.42	6.4
SOFT DRINK: Cans: alum	4.65	2.5	1.79	6.2	0.15	4.0	0.05	0,1	9,95	6.1	3.21	6	1,67	0.4
Bottles: returnablo	0.13	0.1	0.40	E .	0.70	1.6			0	,	0.03	0.1	3.84	× ,
nonretarnable Cartons	25.0	?: - ;	0 0	Ď †	0.00	2.	0 0		0.18	1.4	0.05	0.2	0.11	e .
1 0 1 2 1	7. 10	9.5	4.19	14.4			2.73	6.4	12, 13	7.5	3.64	11.3	7.2	1.5
PLASTIC SEN PACK HOLDERS:	0.10	0.1	0.28	1.0	0.08	0.2	0.23	0.5	0.26	0.2	0.57	1.8	0.25	0.1
TAB CAN OPENERS:	0	'	0	1	0	'	0	•	0	'	0	,	0	1
GROCERY: Paper: paper bags	25,88	14.0	1.82	6.3	2.23	5,1	5.09	11.9	26.67	16.4	2,30		29.47	6.4
Plastic Ciner	3.22	2.6	2 8 ° 0	1:3	0.36	4.8	0.43	1.0	2.94 2.94	% % %	0.20	9.0	5.44 7.46	1.2
Metal Glass	89 6	0.4	0 0 0 0 0 0	. 0.0	2.0.	9.0	0.17	4.0	0.30	2 - 6	0.02		96.0	2, 1
	30, 31	70.0	0, 1	0.6	9.31	0	0.41	0.61	34.50	21.2	28.7	×	43.37	4.4
PREPARED FOOD: Paper Plastic	3,52	1.9	0.87	3.0	2.27	2.2		8.1 0.1	14.55	2.8	1,55 0,48	1.5	14.42 5.76	3.1
. Total	17.80	9.7	2,37	8.2	4.37	10.0	4,42	10.3	19.02	11.7	2,03		20, 18	7.7
SNACK FOOD: Paper	3.47	1.9	0.54	1.9	0.59	1.4	0.59	1.4	2.04	1.3	0,36	1,1	2.18	0.5
TOBACCO: Paper Plastic	3.53	1.9	1.32	4.6	4.0	2.1	0.82	1.9	2.30	1.4	0,80	2,5	1,09	0.5
Metal Total	3.53	1.9	1.32	4.6	0.94	2.1	0.82	1.9	2,30	1.4	0.80	2.5	1,09	0.2
									,					
Metal:		· ; ;	000		000	1 1	00.		000	,		ı ı ,	000	' ' ,
oner Rubber: tire	5.71	3.1	3.33	11.8	2,91	9.9	1.31	 	1.29	0.8	1.90	5.0	5.68	- 2.
other Plastic: anti-freeze	0 0	,	0 0	, «	0 0	1 1		1 (	0 0	١,	0 0		0	, 4
other Total	9,40	5.1	4.51	15.6	2.91	9.9	2.60	6,1	3,95	2.4	2,48	7.7	18.13	0.7
NEWSPAPER:	7.44	4.0	0.50	1.7	0,67	1.5	1.54	3.6	6,36	3.9	0		54,17	11.8
HOUSEHOLD: Plastic Paper (incl. alum foil)	16.57 7.04	9.0	1.47	5.1	0.37	6.0	5.55	13.0 6.5	9.79 9.77	6.0	0,40	1.2	4.44	1.0
MISC. PAPER: Cardboard Other (incl. paper bags)	39.78 0	21.6	0.77	2.7	9.54	21.7 5.4	4.22	6.6	18.93 0	11,7	1, 19 0, 09	3.7	59.76 14.44	13.0
WINE BOTTLES:	0.06	-	0.06	0.2	0.12	0.3	0.31	0.7	1,56	1.0	0	-	0.50	0.1
LIQUOR BOTTLES:	0.20	0.1	0,16	9.0	0.29	0.7	0.04	0.1	0.41	0.3	0,16	9.0	0.41	0.1
MISC. GLASS:	0	-	0	•	0	•	0	•	0	1	0	_	0	1
MISC, PLASTIC:	6.84	3,7	0.72	2.5	2,45	9*9	0,46	1.1	0	-	Û	-	33, 19	7.2
MISC, METAL, Cans Other	0 1.48	9.0	0,60	2.1 0.4	0	-	0 1,95	4.6	1.36 0.36	0.8	0.87	2.7	3,42 136,70	0.8 29.8
CLEANING AGENT TOILETRIES CONTAINERS:	0	,	£0°0	0.1	0	ŀ	90.0	0.1	0.10	0.1	0	-	0.44	0.1
UNWRAPPED FOOD:	0	1	0	-	0	1	0	ı	0	-	0	-	0	,
OTHER:	9.23	5.0	2,51	8.7	0.41	0.0	0,67	1.6	4.20	2.6	0.65	2.0	18.70	4.1
Total	184.46	100.1	28,90	100.2	43,95	100.1	42.76	100.1	162,51	1001	32.37	100.2	459.44	100.2
										1	1			1

	LITTER PROPORTIONS BY VOLUME FOR PRODUCT GROUP CLASSIFICATION - RURAL INTERSTATE	ORTIONS	BY VOL	UME FOR	PRODUC	T CROUF	CLASSII	NOITEDE	I - RURAI	INTER	STATE					
CIASSIFICATION	-1 P.	I-64 Louisa	I EI	I-77 Bland	I Din	I-85 Dinwiddie	I-81 Shenandoah	doah	I Ye	I-64 York	I-95 Spotsylvania	vania	I-81 Montgomery	nery	I-66 Prince William	Iliam
	Vol.	%	Vol.	%	Vol.	$\mathcal{D}_{\delta}$	Vol.	ς Q	Vol.	%	Vol.	8%	Vol.	25	Vol.	ŗ,
BEER: Cans: alum non-alum	3,91	18,6	1,94	17.1	8.20	21.6	0,96	4.8 2.2	.11,57	31.8	2.22	6.1	1,74	12.1 12.6	5,45	8.8
Bottles: returnable nonreturnable	1.54	7.3	0,33	2.9	1.10		0.41	2.1	1.37	8.8	0.74	2.0	09.0	4.2		<b></b> 0.*
. Cartons Total	6.23	3.7 29.6	0.25	22.2	0, 18 9, 48	24.9	0.08	0.4	0 12.94	35.5	0.10	0.3	0.20 4.36	30.2	1.50	2.4
SOFT DRINK: Cans: alum	1 31	6 9	1 34	α :	3 38	σ	0.13	0.7		1	1,16	3.2	0.08	9.0	0.45	0.7
non-alum Bottles: returnable	. B	0.1	: 0	;	0.17		1.11	0°0 0.4	00.0	: ;	1.79	4.0	2.58	17.9	1.26	2.0
nonrehrnable	0° 30	1,7	0.66	ω, <sub>1</sub>	0.29	8	0.24	1.2	0.18	0.5	0.79	2.7	0.68	4	1.29	2.2.0
	1,68	8.0	2.00	17.6	3,84	10.1	1.55	7.8	3,01	8.3	3,91	10.7	3.37	23.4	3.22	5.2
PLASTIC SIX PACK HOLDERS.	0, 12	9.0	0.10	0.9	0.05	0,1	0.08	0.4	0.13	0.4	0,08	0,2	0.13	1.0	0.18	0.3
TAB CAN OPENERS:	0	'	0	,	0	'	0	'	0	-	0	,	0	'	0	-
GROCERY: Paper: paper bags	0 0	٠,	0.33	6.3	1,21	3.2	0.89	3.5	1.98	5.4	0 1	,	0	1	÷ 20	7.3
Other Plastic	0.94	4.5.	0,31	2.7	0,50	1.3	1.58	7.9	0.42	ñ. 1	1.00	20.1	6, 23 0, 69	. 4 . 6	5.33	8. 6 7. 9
nictal Glass Total	0 1.53	7.3	0.10 1.10	20.6	0.14 3.65	9.0.	2.75	13.7	0.03 3.43	- 0. 1.6.	8.03 9.03 9.92	0.1 24.5	0.14	7.7	0.24 0.03 13.01	21.0
PREPARED FOOD: Paper Plastic	1, 92	9.1	0.50	3.3	3,43	9.0	0.82	4.1	1.86	5.1	3.80	10.4	1.38	9.6	128	8.3
Total	2.81	13,4	0.87	7.7	4.28	11.3	1.56	7.8	2.09	5.7	4.67	12.8	1.61	11.2	7.75	12.5
SNACK FOOD: Paper	0.39	1,9	0,20	2.6	0.83	2.2	0.75	3.8	0,40	1.1	0.52	1.4	0.31	2.1	0.95	1,5
TOBACCO: Paper Plastic Metal Total	0.37 0 0 0.37	1.8	0.47 0 0.49 0.96	4 4.8 1. 2.0	0.83 0.83	2.2	1.35 0 0 1.35	8.9 8.9 8.9	0.58 0 0 0.58	1.6	0.54 0 0 0.54	1.5	0.96 0 0.96	6.7	1.48 0 0 1.48	2.4
AUTOMOTIVE: Glass	100	1.0			6				2	u G			,			
Metal: o Rubber:	0.27 0.58 0.58	12.0	0.16 0.32 0.23	4.8.0	2.0.2. 2.2.2.48	1.4 5.8 6.5	0 1,79 5,33	9.0	0.60 1.01 1.65	0.1.2.4.	1.36 0.49 0.49	1.3	0000		0.22 0.59 0.90	0.4 1.0 1.5
Plastic: anti-freeze	0.09	0.4	0,03	. 0		, 1			0.05	0.1		, ,	o	1 1	0.29	0.5
Total	3.47	16.5	0.74	6.5	5,23	13.8	7,12	35.6	3, 49	9.6	2,34	6.4	0	•	2.00	3,2
NEWSPAPER:	0.54	2,6	0	-	1,14	3.0	0.08	0.4	0,55	1,5	0,42	1.2	0	-	2.70	1,4
HOUSEHOLD: Plastic Paper (incl. alum foil)	0.20	1.0	0.25	2.2	0.08	2.6	0.15 0.97	0.8 4.9	0.41 1.68	1.1	0.25 3.55	9.7	0.45	3.1	2.59 0.95	4.2
MISC, PAPER: Cardboard Other (incl. paper bags)	0,43	2.0	0.10	0.9	1,92 0,36	5.0	0.71	3,6	1,24	3.4	3,46 1,19	9.5	0.90	6.2	3.15	3.5
WINE BOTTLES:	0.06	0.3	0	-	90.0	0.2	0	1	0, 12	0.3	0	-	0	-	0.00	0.1
LRUUR BOTTLES:	0.08	0.4	0.16	1,4	0.08	0.2	0.08	0.4	0.04	0.1	0.08	0.2	0	1	0.29	0.5
MISC, GLASS.	0	1	0	_	0	-	0	-	0	-	0	1	0	•	0	
MISC, PLASTIC:	0.73	3.5	0.11	1.0	1,35	3.6	0,08	0.4	4.92	13.5	1.26	3.5	0.40	2.8	5,55	9.0
MISC, METAL: Cans Other	0	5.2	0.32	. 8	0.18	0.5	0.25	1.2	0.58	1.6	0.04	0.1	0,33	£. 1	0 0.75	1,2
CLEANING AGENT TOILETRIES CONTAINERS:	0	ı	0	1	0,06	0.2	0	-	0	•	0	٠	0	-	0.04	0,1
UNWRAPPED FOOD:	0		0	'	0	,	0	•	0	1	0	,	0	-	0	,
OTHER:	0.39	1.9	1,4	12.7	3,70	9.7	0.25	1.2	0.69	1.9	0.46	1,3	0.21	1.5	19.1	2.6
Total	21.04	100.2	11,34	100.0	38.02	100.2	20.01	100.2	36,43	100.0	36.44	100.0	14.42	100.1	61.84	99.9

CIASSIFICATION	I-81 Froderick	I ick	
	Vol.	%	
BEER: Cans: alum non-alum	0,76 0,86	4.8 5.4	
Bottles: returnable nonreturnable	0.71	4.5	
Cartons Total	0.07	0.4	
SOFT DRINK: Cans: alum	0; 18	1.1	
Bottles: returnable nonreturnable	0.03	0.0	
. Cartons Total	0 1,90	12,0	
PLASTIC SIN PACK HOLDERS:	0,05	€*0	
TAB CAN OPENERS:	0	-	
GROCERY: Paper: paper bags	2.05	13.0	
Plastic Metal Metal	0.11	2.1	
Glass Total	0.03 3.10	0.2 19.6	
PREPARED FOOD: Paper Plastic Total	0.76 0.55 1.31	4.0.8 8.0.0	
SNACK FOOD: Paper	0,33	2,1	
TOBACCO: Paper Plastic	0.91	5.7	
Metal Total	1,11	7.0	
AUTOMOTIVE: Glass Metal: oil cans	0	-	
other Rubber: tire	0.67	5.4	
othor Plastic: anti-freeze	000		
onier Total	1.52	9.6	
NEWSPAPER:	0.67	4.2	
HOUSEHOLD: Plastic Paper (incl. alum foll)	0.44 0.67	2.8	
MISC. PAPER: Cardboard Other (incl. paper bags)	0.86 0.23	5.4 1.5	
WINE BOTTLES:	90 0	0.4	
LIQUOR BOTTLES:	0.04	0.3	
MISC. GLASS:	0	-	
MISC. PLASTIC:	0,54	3,4	
MISC, METAL: Cans Other	0,03	0.2	
CLEANING AGEN'T TOILETRIES CONTAINERS.	0.04	0.3	
UNWRAPPED FOOD:	0	-	
other:	0.53	3,3	
Total	15,83	100.1	

TABLE 23 CONTINUED

CLASSIFICATION	Route 1 Essex	te 17	Route 33	33 am	Route 360 Amelia	0.9	Route 460 Tazewell	8 4	Route 29 Pittsvlvanta	9 Infa	Route 460 Bedford		Route 13 North Hampton	.3	Route 7	
	Vol.	نوع	Vol.	ÇQ	Vol.	ړې	Vol.	58	Vol.	₽9	Vol.		Vol.	Pé	Vol.	وما
BEER: Cans: alum non-alum	6.87	25.4	4.37	24.8	7.07	30.6	12,83	13.0	7.05	17.2	0.63 0.86	5.3	6.46	13.3	3.89	0.6
Bottles: returnable nonreturnable	2.69	10.0	1.79	10.1	1.07	4.6	5.16	5.2	2,39	5.8	0.55	4.6	5.88	12.1	1,68	3.9
Cartons Total	0,69	38.0	0.80 6.96	4.5	0.29 8.43	1.3	4.37	4.4	1,56	3.8	0.32 2.36	2.7 19.9	2.50	5.2	0.87 8.16	2.0 18.8
SOFT DRINK: Cans: alum	0.63	2.3	1,06	6.0	3,23	14.0	14,42	14.7	0.53	1.3	0.03	0.3	7.85	16.2	0,13	0.3
Bottles: returnable	0.20	0.7	0.03	0.5	0.03	0.1	0.63	9.0	0.87		0.20	1.7	0.20	0.4	0.23	
nobremirable Cartons Total	3.21	11.9	1.83	10.4	3. 88 88 E	16.8	0 17.58	2.5	0.50 0.13 4.43	10.8	0.02	14.7	0.01 8.74	18.0	0.65	<del>.</del>
PLASTIC SIX PACK HOLDERS:	0.58	2.2	0.12	0.7	0.02	'	0.17	0.2	0.22	0.5	0.43	3.6	0	-	0.43	1.0
TAB CAN OPENERS.	0.08	0.3	0	'	0	,	0		0	-	0	•	0	'	0	1
GROCERY: Paper: paper bags	3,64	13.5	4.47	25.3	1. 73	7.5	19.60	19.9	3.46	18.2	1,00	8.4	6.62	13.0	7.58	17.5
other Plastic	0.50	ດ ດ: •••••••••••••••••••••••••••••••••••	600	0.32	9.	1.9	0.53	0.5	1.61	ກ   ຕໍ່	0.25	7. 2.	2.04	2.5	0.10	7. I
Metal Glass Total	0.03 5.96	0.1	0. 12 4. 63	26.2	0.03 0.2.20	9.5	0.29 0 20.42	20.7	0.51 0.10 5.68	1.3.9	0.07	0.6 - 13.5	0.10 0 9.49	19.5	0 0 8.61	19.8
PREPARED FOOD: Paper Plastic Total	0.92 0.11 1.03	3.8 4.0	1.44 0.89 2.33	8.2 5.0 13.2	2.53 0.32 2.85	11.0	5.10 1.35 6.45	5.2 1.4 6.6	3.83 0.31 4.14	9.4 0.8 10.1	0.87 0.24 I.11	2.0	2.02	4.0	3.23 0.98 4.21	2.2
SNACK FOOD: Paper	1.06	3.9	0.37	2.1	0,45	2.0	1,46	1.5	0.64	1.6	0.07	9.0	0.30	9.0	0.83	1.9
TOBACCO: Paper Plastic Metal Total	0, 34 0 0, 34	1.3	0,23 0 0,23	1.3	0,46 0 0 0,46	2.0	0.84 0 0 0.84	6.0	0.47 0 0 0.47	1,2	0. 12 0 0 0 0. 12	1,0 _ _ 1,0	0.34 0 0 0.34	0.7	0.26 0 0 0 0.26	0.6 - 0.6
AUTOMOTIVE: Glass Metal: oil cans	0.16	9.0	0.27	1.5	00.	1 1	1.58	1.6	0.06	0.5	000	1 1	000	1 1.	0.27	0.6
other Rubber: tire	, , ,	3° 1 1			er	0.0	4.15	× 2, 1	0.48 0.01	10.1	*. 0 0	 61	3, 23	6.7	1.07	2.0
Plastic: anti-freeze other Total	0 0 1.12	- 1.4	0 0.27	1.5	0 0 1,15	5.0	0	6.7	0 0 5.16	12.6	0 2.34	19.7	0 0 4.03	8.3	0 0 1.61	1 ' t~
NEWSPAPER:	0.44	1.6	0.01	0.1	0.76	3.3	0, 73	0.7	0	-	0,05	0.4	1,44	3.0	2.14	4.9
HOUSEHOLD: Plastic Paper (incl. alum foil)	0 0.41	1.5	0.25	1,4	0	6.3	5.81 7.82	5.9	1.89 0	4.6	0.10	8.0	0.24	0.5	2.02	5.5
MISC. PAPER: Cardboard Other (incl. paper bags)	0	1 1	0.09	0.5	0.98	4,3	6, 18 0	6.3	0	1 1	1,03 0	8.7	2.46 0	5.1	5,23	12.1
WINE BOTTLES:	0,63	2.3	0	-	1,06	0.3	0	•	0.06	0.2	0, 12	1.0	0.44	0.9	٥	
LRUOR BOTTLES:	0.41	1,5	0.33	1.9	0.20	0.9	0,33	0.3	0,33	8.0	0.04	0.3	0.78	1.6	0.25	0.6
MISC, GLASS:	0	-	0.01	0,1	0	-	0,03	-	0	,	0	-	0	-	0	
MISC, PLASTIC:	1,49	5,5	0.19	1.0	0.20	6.0	1,69	1.7	0	•	0.43	3.6	2.04	4.2	0	
MISC. METAL: Cans Other	0		0.03	0.2	0	; 1	0	1 1	0	1 !	0.25	2.1	0	1 1	1.27	2.9
CLEANING AGENT TOILETRIES CONTAINERS:	0	_	0	'	0	,	0	•	0	•	0	•	0	_	0	,
UNWRAPPED FOOD:	0	ı	0	,	0	1	0	,	0	'	0	-	0	-	0	'
отнея:	0	'	۰		٥	'.	٥	- '	0.83	2.0	0.08	0.7	٥		4.20	9.7
Total	27.01	100.1	17.65	100.0	23.10	100.1	98.42	100.0	40,96	100,1	11,88	99.9	48.57	100.0	43,43	100.1

CIASSIFICATION	Route 33 New Kent	e 33 Kent	Route 3 Westmoreland	3 reland	Rout	Route 501 Campbell	Route 522 Culpeper	. 522 oper	Route 10 Surrey		Route 42 Augusta	42 sta	Route 21 Wythe	21 le
	Vol.	P <sub>e</sub>	Vol.	ين	Vol.	%	Vol.	<i>%</i>	Vol.	%	Vol.	%	Vol.	85
BEER: Cans: alum non-alum	21.31	38.1	5.86	29,1	5.20	23.8	1,59	10.8	3.64	16.1	0.48 1.26	5.5	0.68	5.6
Bottles: rcbrmable nonrcturnable	1,72	3.1	1.51	7.5	1,62	7.4	0,44	3.0	0,69	3,1	1.04	11.9	0.16	1.3
Cartons . Total	1.82 24.85	3.3	0.34	38.3	1,03 7,85	35.9	1.06 3.09	7.2 21.0	0.41 4.74	21.0	0, 12 2, 90	1.4 33.2	0,46 2,18	3.8
SOFT DRINK: Cans: alum	3,36	6.0	0.63	3.1	1.29	5.9	0,33	2.2	0.98	4.3			0	, ;
Bottles: returnable	0.23	4.0	0	١	0.20		0	1 0		0.4	2 3	· ·	, , ,	, i
Cartons Total	0 50	11.6	2, 01	0 0	0 0	3 - 5	0 0 0	, , <sub>,</sub>	0.43	2. 1	0 1	0.0 - 2	0.42	3.5
PLASTIC SIX PACK HOLDERS:	0.48	0.9		1.6	0.03	0.1	0, 12	0.8	0		0.07	0.8	0.08	0.7
TAB CAN OPENERS:	0	١	0		0	·	0	'	0		0	ľ	0	·
CBOCEBV. Dance: popost hare		,	5	9	3		1			,	,	[	]	
GROUERY: Paper pags other Plastic Metal Glass	5.15 0.57 0.14	0.1 0.3	2.45 0.76 0.33	12.3 3.8 1.6	0.20 0.20 0.12 0.12	7.0.0 4.0.0 6.0.0 6.0.0	3.76 1.59 0.10	25.6 10.8	1.86 0.96 0.32 0.19	2.4.1.0.	0.08 0.07 0.08	8.000 8.000	1.50 0.34 0.19 0.01	12.4 2.8 1.6 0.1
Total	5.86	10.5	3.57	17.7	2.89	13.2	5.45	37.1	3:33	14.7	0.91	10.4	2.04	16.8
PREPARED FOOD: Paper Plastic Total	3.60 0.68 4.28	6.4 1.2 7.7	1,29 0,16 1,45	6.4 0.8 7.2	1,22 0,13 1,35	5.6 0.6 6.2	1.08 0.40 1.48	7.4 2.7 10.1	1.38 0.68 2.06	6,1 3,0 9,1	0 0, 15 0, 15	1.7	0.74 0.18 0.92	6.1 1.5 7.6
SNACK FOOD: Paper	0.44	0.8	0.46	2.3	0.54	2.5	0.54	3.7	0.32	1.4	0,30	3,4	0.35	2.9
TOBACCO: Paper Plastic Metal Total	0.36 0 0.36	0.6	0.39 0 0.39	1.9 _ 1.9	0.20 0 0 0.20	6.0 - 0.9	0.22 0 0 0.22	1.5	0.60	2.7	0.19 0 0 0.19	2. 1.2.	0.20 0 0 0.20	1.6
AUTOMOTIVE: Glass Metal: oil cans other Rubber: tire other	0 0 0.26 4.76 6	0.5 8.5	0000	1111	0.22 0 0.31 0.09	1.0 - 1.4 0.4	0 0 0.50 0.36	1 1 6 6 1 4 70 1	0 0 0.14 0.95	0.6	0 0 0,39 0,03	4.5	0.03	0.2
Plastic: anti-freeze other Total	0.24	9.4		1 1	0	2.8	0.86	5.9	0 1,09	1 8.	0,04	0.5	0.17	1.4
NEWSPAPER:	. 0	'	0.50	2.5	0.30	1.4	1.33	9,1	3, 12	13.8	•			,
HOUSEHOLD: Plastic Paper (incl. alum foil)	0.61	1,1	0.50	2,5	0.06	0.3	0.55	3.7	0.29	1.3	0.01 0.46	0.1 5.3	0,17	3.7
MISC. PAPER: Cardboard Other (incl. paper bags)	2.93 0	5.2	0.41	2.0	1.38	6.3	0.24	1.6	2.27	10.0	1.62 0.06	18.6	3.36	27.7
WINE BOTTLES:	0.50	6.0	0	-	0.12	0.5	0	,	0,06	0.3	0.06	0.7	0	'
LRUOR EOTTLES:	0.60	1,1	0	-	0, 16	0.7	0.04	0.3	0.08	0.4	0	-	0.04	0.3
MISC. GLASS:	0	-	0	'	0	-	0	,	0	ı	0		0	'
MISC. PLASTIC:	1.40	2.5	0.09	0.4	0.13	9.0	0	,	0.37	1.6	0.34	3,9	0.20	1.6
MISC, METAL, Cans Other	0.81	1.4	00	1 1	0 4.59	21.0	0	1 1	0.	1 1	0	1 1	0.05	0.4
CLEANING AGENT TOILETRIES CONTAINERS:	0, 11	0.2	0	1	0	-	0	-	0	-	0	•	0	- 1
UNWRAPPED FOOD:	0		0	'	0	-	0	,	0	1	0		0	1
OTHER:	0,95	1.7	2.37	11.8	0.08	4.0	0,32	2,2	0.91	4.0	0	•	0.31	2.6
Total	55.94	100.0	20.15	100.0	21.85	99.9	14.69	100.1	22.60	100.0	8,73	100.0	12.14	100.0

100.0 12.6 9.0 0.9 8.3 41.6 7.1 3.1 0.9 3,3 0.6 12,0 1.4 e ... 4.6 0.4 0,2 .0 1.7 Route 657 Clark 31, 15 0.20 2.70 0.13 0.91 0 2.20 0.97 0.27 0.07 2.44 1.48 3.92 0.13 9, 12 2.57 12.97 ٠. ا Vol. 0.45 3,52 90 12 22 20 ď 00 0 0 0 0 100.0 2.1 15.8 21.5 3.0 5.7 3.6 1.8 9.4 0.6 15,5 14.4 1.4 1.0 1,6 2,6 14,1 ري دي 0,5 0.3 1,5 1.5 0,1 0,4 0.7 4.8 0.1 5 Augusta Route 612 16,82 0.13 0.85 0 0.61 0.31 1.58 0.10 2.38 0.35 0.05 2.60 2,42 0,24 2,66 0.17 0.25 0 0 0.25 엉 0,02 0,43 0,06 0.12 0,38 0.81 0.09 0.27 3.61 Vol. 0 0 0 c 0 10.2 2.2 1.1 0.9 18, 7 1.8 14,1 100.2 3,6 3.3 :1 14,4 0.7 8.9 3,9 5.3 1.0 3,4 0.4 2.4 Route 652 Caroline 0 0 4.51 1.10 0 2.06 0 3.78 0.63 0.47 1.10 0.48 0 1,16 0.68 6.47 1.41 0.68 0.54 9,10 1, 18 0,48 2,45 0.67 0,25 15 8.94 63, 33 11,82 2.27 5,61 37 Vol 0,61 1.54 m 0 6.2 0 0 0 0 0 0.5 100,1 28.0 10.7 19,0 0.7 3.9 . . . 0,1 7.3 0.6 2.0 5.2 1,1 1,5 0.7 13.9 1.2 0.3 0.1 1,7 6.1 83 Lancaster Route 605 6.06 0.03 4.79 0.30 11.18 22.0 5.48 1.96 0.51 0.06 44, 19 5.68 11,51 2,06 13,57 0 0.76 0.17 0 0 0.44 0,09 158.08 16.87 66.74 30.01  $\substack{8.35\\8.18}$ 1,10 1.18 3, 13 2.4214 98 98 93 73 1,81 Vol. 0 ٥, ٠, 0 000 ö 0 0 0 1.1 10.6 4.0 0.3 100.0 2.6 1,4 0,3 0,1 0.7 0,3 0.4 0.3 19,2 0.4 19.6 10.2 4.4 0.1 <u>ي</u>ن Albemarle Route 708 18,78 0,29 0.68 4.58 0.68 0.07 0.59 0.61 0.21 2.00 0.76 0.10 3.68 0.38 0,86 0.16 0 0 0 0 0.07 1.85 0 0.49 90 0 0.05 4.12 0.26 0,06 1,34 0, 13 0, 16 0.83 0 0.01 0.08 0,06 3, 61 0.03 0 1, 92 Vol. o. 0 0 16.1 0.6 3.0 1.5 0.1 100,0 22,6 3:4 0.5 12.1 2.7 14.9 8.3 14.5 0.5 1.1 I.3 0,1 ئخ Route 622 Amherst 8, 18 0, 29 1, 53 0, 76 0, 03 0.10 7.34 0 0.43 50,74 1,70 14,90 3.23 0.27 0.82 4.32 0.50  $6.15 \\ 1.39$ 7.54 0.84 0 0 0.17 ت ن 0.57 0.68 0,84 01 0.01 0.30 9 1.44 0.25Vol 1,71 ö 00000 0 0 0 11.0 100.0 20.4 3.0 0.3 0.7 9.0 24.5 5.5 8.0 8.0 0.7 6,2 2.0 0.8 5, Route **6**26 Brunswick 9.85 1.47 0.13 0.35 0.03 17,40 5.34 0.60 0.53 0.53 2.87 2.66 3.00 0.30 0 0.22 0 0 0.40 0.82 0 0.76 163,0 48,34 3.01 0,30 0.98 0.30 0.38 0.41 0.33 0.22Vol. 0 0 0 00 0 0 0 3.0 24,4 3.2 6.8 1.8 0.4 19,1 3.0 9.0 7,1 1.1 0,1 7.4 9.0 0,6 9.0 0.1 0,9 0.9 0.1 11.4 ېځ Chesterfield Route 651 64,31 2,55 1.24 0.07 2.06 4.35 4.99 1.13 0.24 0.30 0,40 0 0 0.40 0.22 0.22 1.61 0 0.00 15,68 1,95 20,18 0.07 2.06 0 3.37 0.08 11, 01 4.76 1.74 6.50 0,39 1,95 7,31 0.59 5.13 0.44 0.56 1.07 4.56 0.04 0 0.73 Vol. 0 0 0 0 CLEANING AGENT TOILETRIES CONTAINERS. Total Total Total Total Total Total Total bags) nonreturnable other Plastic: anti-freeze other foil) Bottles: returnable paper Cans: alum non-alum Bottles: retirnable nonreturnable Plastic Paper (incl. alum oil cans non-alum GROCERY: Paper: paper bags other PLASTIC SIX PACK HOLDERS. **SLASSIFICATION** Rubber: tire Cardboard Other (incl. | Paper Plastic SOFT DRINK: Cans: alum Glass Metal: SNACK FOOD: paper MISC. METAL: Cans TAB CAN OPENERS: UNWRAPPED FOOD: Plastic Metal Glass Paper Plastic Metal PREPARED FOOD: LIQUOR BOTTLES. Cartons WINE BOTTLES: MISC. PLASTIC: AUTOMOTIVE: PAPER: HOUSEHOLD: NEWSPAPER: MISC. GLASS. TOBACCO: OTHER: BEER: MISC.

LITTER PROPORTIONS BY VOLUME FOR PRODUCT GROUP CLASSIFICATION - SECONDARY

	Route 625	22	Route 623	623	Route 632	61	Route 607	209	Route 621	-	Route 637	37	Route 643	43	Route 677	677
CLASSIFICATION	Nottoway		Rockingham	tham	Goochland	pg	Louisa	sa	Culpeper	r.	Hanover	ıe	Fauquier	er	Campbell	bell
	Vol.	%	Vol.	ړې	Vol.	بئ	Vol.	25	Vol	હ્ય	Vol.	84	Vol.	ૃક્	Vol	این
BEER: Cans: alum non-alum	5.86	38.9	10,18	19.3	10, 15	22.3	4.97	14.2	69.9	40.8	3.81	15.6	11.57	25.7	12, 53	25.5
Bottles: returnablo nonreturnablo	0.61	4,1	1,98	3.8	0.02	2.9	1,54	4.4	1.37	8.4	0,63	2.6	1,92	4.3	1.05	2,1
Cartons Total	0.38	2.5	1.73	3.3	3.91	33.8	2,93 9,44	8.4	2.00	12.2	1.00	4.1	1.29	32.8	0.64	1.3
SOFT DRINK: Cans: alum	1,09	7.2	4.34	8.2	3,16	6.9	1,21	3.5	0.58	3.5	99.0	2.7	1.46	3.2	2 88	r.
Bottles: returnable	0,33	2.2	0.07	0.1	0.20	0.4	0.03	0 1	0 03	2	0 17		0 40		1 2	. 9
Cartons	0.50	3,3	2.32	4.	1,41		0,62	. 8	0.12	0.7	0.21	6.0	1.18	9 9 9	0.7	. 4.
Total	1.92	12.8	6.73	12.8	4.77	10.5	1.86	. 5.	0.73	4.5	1.04	. 5.	3,09	6.9	4.02	7.9
PLASTIC SIX PACK HOLDERS.	0,08	0.5	0,17	0.3	0, 15	0.3	0.22	0.6	0.22	1.3	0, 12	0.5	0.30	0.7	0, 13	0.3
TAB CAN OPENERS:	0	١	0	-	0		0	'	0	'	0	,	0	'	0	'
GROCERY: Paper: paper bags	1.76	11.7	5.83	11.1	3,27	7.2	5,44	15.6	2,13	13.0	90 .9	24.8	6.92	15.4	13.08	25.8
other Plastic	0,01	0,1	1.36	9.1	3.42 0.54	7.5	0.58	1.7	0.22	1.3	00	, ,	2.57	5.7	1.59	3.1
Metal Glass	0.05	0.3	0.57	1.1	0.25	0.5	0.46		•	1 1	0,14	9.0	0.30	0.0	0.17	0.3
Total	1,84	12.2	7.79	14.8	7.50	16,4	6.50	18.6	2,35	14.3	6.21	25.4	10.81	24.0	15.29	30.2
PREPARED FOOD: Paper Plastic Total	0.72 0.23 0.95	4.8 1.5 6.3	4,23 1,27 5,50	8.0 2.4 10.4	3.57 0.60 4.17	7.8 1.3 9.1	1.27 0.65 1.92	3.6 1.9	1,42 0,44 1,86	8.7 2.7 11.3	3.47 1.27 4.74	14.2 5.2 19.4	2.09 1.61 3.70	9.6 8.2	4.44 0.52 4.96	8.8 1.0 9.8
SNACK FOOD: paper	0.84	5.6	0.34	9.0	1,00	2.2	0,56	1.6	0.29	1.8	0,72	2.9	1.42	3.2	0, 71	1.4
TOBACCO: Paper	0.25	1.7	0.27	0.5	0.56	1.2	0.18	0.5	90.0	0.4	0.67	2.7	0.16	0.4	0,91	1.8
Flastic Metal								, ,	00				0.05		00	
Total	0.25	1.7	0.27	0.5	0.56	1.2	0,18	0.5	0,06	0.4	0.67	2.7	0.18	0.4	0.91	1.8
AUTOMOTWE: Glass Metal: oil cans other	0 0	, , ;	000	7 7 1	0	' ' 6	0.11	e	0.0	0.3	000	1 1	000	1 1 6	200	, , ,
Rubber: tire other	00	; , ,	000		0.0	; o '	000		000	1 1 1		, , ,		, , ,	. 0 0	3.11
Plastic: anti-frecze other	0	•	0	1	0	ı	٥.	1		ı		,		,		ı
Total	0,01	0.1	0		0.22	0.5	0, 11	0.3	0,05	0.3	0	-	0.09	0.2	0.17	0.3
NEWSPAPER:	0.01	0,1	7.36	14.0	3,12	8.9	0.31	0.9	0	ı	0	1	4.07	9.0	2.63	5.2
HOUSEHOLD: Plastic Paper (incl. alum foil)	0.60	4.0	2.06.	2.2	0.59	1.3	0 12.10	34.6	0.60	3.7	0 1.46	6.0	2.21	4.9	0 0.74	1,5
MISC. PAPER: Cardboard Other (incl. paper bags)	0	j t	2.01 0.01	3.8	3,41 0,59	7.5	0	1 1	0,04	0.2	3.89	15.9	2.57	5.7	1.15	2.3
WINE BOTTLES:	0,88	5.8	0,38	7.0	0.25	0.5	0,25	0.7	90.0	0.4	90.0	0.2	0	'	0.31	9.0
LEUOR BOTTLES:	0.39	2.6	0.16	0.3	0,25	0.5	0.45	1.3	0.08	0.5	0.08	0.3	0	'	0.29	9.0
MISC. GLASS:	0	1	0.03	0.1	0	•	0.01	,	0	ı	0	,	o	,	0	
MISC. PLASTIC:	0.12	0.8	2,77	5.3	2.14	4.7	0.70	2.0	0	'	0	,	0.74	1.6	0.98	1.9
MISC, METAL: Cans Other	0.30	0, 1	0.92	1.7	0.05	0.1	00	1.1	00	1 1	0	1 1	0.79	1.8	2,33	4.6
CLEANING AGENT TOILETRIES CONTAINERS:	0	-	0	,	0		0	,	0	,		,	0	,	0	
UNWRAPPED FOOD:	0	1	0	,	0		э	,	0	1	0	-	0	'	0	'
отиев.	0.01	0,1	0.45	6.0	0,69	1.5	0,34	1.0	0	-	0	-	0.25	0.6	1.40	8.3
Total	15.05	100,1	52.70	100.0	45.60	89.8	34,95	99.9	16.40	100.0	24,43	99.9	45.00	100.0	50.64	99,8

	Route 813	9	Route 606	909	Route 647	- 1	Route 630		Route 620		Route 614	14	Route 614	114	Route 750	20	
CLASSIFICATION	Wise		Sussex	1	Suffolk	- 1	York		Fairfax	١	Botetourt	urt	Patrick	-4	Pittsylvania	nia	
	Vol.	ړږ	Vol	54.	Vol.	Ŀ	Vol	89	Vol	٤٩	Vol	<sub>5</sub> 6	Vol	-1	. Vol.	U	
DEER: Cans: alum non-alum	9,57	14,4	7.55	27.1	23,84	36.5	11,11	11.9	3,08	4.7	1.26	11.3	2.45	17.9	2,88	3.1	
Bottles: returnable	3,15	4.7	0,95	4.6	0.45	0.7	1.81	1.9	1.28	2.0	1.87	16.7	0,14	_		2.3	
Cartons	6.19	9.3	1.04	34.2	1,44	39.4	1.45	1.5	1.93	3.0	1.60 6.60	14.3	0.62	31.8	4.82 20.04	5.2	
SOFT DRAK. Cons. plum	100	1 6							0 13	0 2	-		0.23	1	+-	0	
	4.97	2.5	1.52	4.	5.18	6.7	5.23	9.0	2.27	. m	0.43	3.8	0.83	6.1	2.22	. 7	
Bottles: returnable nonrefurnable	0 -	- 2	0.37	1.3	0.82	1.3	1.47	1.6	0, 13	0.2	1.12	10.0	0.0	7.	0.10	0.1	
Cartons	0.0	2 - 5	0 6	, ,	1,33	2.0	0	, ;	1,93	0.0	0 -	, ,	0 -	1 0	0.35	0	
	*n.'		;	,	3		3	:	97.	3	3		3		5	;	
PLASTIC SIX PACK HOLDERS:	0.07	0.1	0.05	0.2	0.25	9.4	0,22	0.2	0.18	0.3	0.35	3.1	0.13	1.0	0.47	0.5	
TAB CAN OPENERS:	0	ı	0	,	0	1	0	_	0	'	0	1	0	,	0	 I	
GROCERY: Paper: paper bags	9,33	14.0	6.44	23.1	77.77	11.9	0	1 6	8.94	13.7	0	1 6	1.21		12, 48	13.6	
other	0.39	. o	0.89	3.2		, ,	3.84	4.1	0.00	. I	#I . 0	7.1	0. 4 2. 4		3. 17	1.8	
Metal	00	1 1	0, 10	0.4	0, 42	9.0	٠ و و و		0.08	0.1	0.14	1,3	0.14	1.0	7 7	0,2	
Total	14.07	21.1	7.46	26.7	8.20	12.6	19.56	20.9	12.40	19.1	1,28	11.4	$\overset{\circ}{2.16}$		17,53	19.1	
PREPARED FOOD: Paper Plastic Total	4, 18 0,60 4,78	6.3 0.0	1,27 0,42 1,69	4.6 1.5 6.1	0.60	0.0	11.67 2.00 13.67	12.5 2.1 14.6	8.51 2.18 10.69	13.1 3.3 16.4	000	111	0.02 0.18 0.20	0.2	16.20 2.15 18.35	17.6 2.3 20.0	
SNACK FOOD: paper	1.28	1.9	1, 09	3.9	1.54	2.4	1, 19	1.3	0.52	8.0	7. 2.	9.3	0, 15	+	+	1.7	
								T		1					1	Τ	
TOBACCO; Paper Plastic Metal Total	0.24 0 0.24	0.4	0.26 0 0.26	0.0	0, 16 0 0 0, 16	0.2	0.83	6.0	0.36 0.06 0.42	0.6	0, 15 0 0 0, 15	1:3	0.07	0.5	0.68 0 0.68	0.7	
AUTOMOTIVE: Glass Metal: oil cans	0	1 1	00	1 1	3,75	5.7	0	1 1	00	11	0	į l	0	1,1	00	, ,	
۰	86.0	1,5	000	1 1	000	1 1	000	1 1	000	l 1	000	1 1	0.00	0.2	0.02	0.3	
other Plastic: anti-freezo	0.07	. 0.	0 0	, ,		, ,		, ,		1 1	o 0		. 0	, ,	. 0	, ,	
other Total	1.08	1.6	0	,	3, 75	5.7	0	,	•	 I	0	,	0.03	0.2	0,26	0.3	
NEWSPAPER:	0.25	0.4	1.25	4.5	3,33	5.1	6.33	6.8	4.71	7.2	0	'	0.23	1.7	5.56	6.0	
HOUSEHOLD: Plastic Paper (incl. alum foll)	0.28	0.4	2.07	7.4	6.50	10.0	13, 77	14.1	1.18	1.8	00	1 1	0.11	8.0	3, 78	1.8	
MISC. PAPER: Cardboard Other (incl. paper bags)	0.29	0.4	00	1 1	0,32	0.5	15.51	16.6	10, 43	16.0	0	ı	0.48	3.5	12.06	13.1	
WINE BOTTLES:	05.0	8.0	0.25	6.0	0.50	8.0	0.50	0,5	0	-	0	-	0	'	0,19	0.2	
LIQUOR BOTTLES:	0.25	0.4	0.57	2.0	0,29	0.4	0.01	,	0.29	0.4	0	,	0.04	0.3	0.61	0.7	
MISC, GLASS.	0	1	0	'	0	,	0	,	0	'	0		0	'	0	'	
MISC. PLASTIC:	0	•	0.15	0.5	5,36	8.2	0.07	0.1	3,45	5.3	0,12	1.1	0.19	1.4	0	'	
MISC, METAL, Cans Other	00		0.0	, ,	00	1 1	09.00	0.6	1.95	3.0	0.10	6.0	00		0.38	7.'	
CLEANING AGENT TOILETRIES CONTAINERS:	0	i	0	1	0,17	0.3	0	-	0	,	0	'	0	'	. 0	,	
UNWRAPPED POOD:	0	1	0	-	. 0		0	-	0	-	0	,	0	,	0	1	
OTHER:	0	-	0.05	0,2	1,25	.1.9	0,25	0.3	0, 13	0.2	0	'	9.0	0.3	2.79	3.0	
Total	66.65	1001	27.91	8.66	65.28	100.0	93.58	1001	62.09	100.0	11, 19	100.0	13.67	100.1	91, 97	100.0	

CLASSIFICATION	Alexandria Hand Truck	ndria Fruck	Pris Sethic	Pristol Stllns Coll,	Richmond Hand Pickup	ond Tekup	Aicx Hand	Alexandria Hand Cart	Bristol Downtown	stol	Norfolk Granby S	نيو	Norfolk Tidewater	r dr.
	Voi.	۳.	Voi.	2	Vol.	وسع	Vol.	۶6	Vol.	Pe	Vol.	દુલ	Vol.	٤٠
BEER: Cans: alum, non-alum	0.81	12.2	2.25	17.6	1.34	2.5	0,03	0.3	0.08	3,8	0.08	3.0	0.13	2.6 2.6
Bottles: returnable nonreturnable	0.11	1.7	6,49	3.8	0.14	0.3	0.14	1.4	0	ı	0	ı	0,11	2.2
Gartons Total	0, 92	13.9	0.13	1.0	0.15	3.1	0.17	1.7	0.08	3.8	0.08	3.0	0.37	7.5
SOFT DRINK: Cans: alum	0	ı	1.52	11.9	0,45	0.9	0.05	0.5	0 93	1 0	0.0	, ,	0 0	, ,
Bottles: returnable.		, 6	0.10	0.8	0.03	0.1	0	' ,	0.07	0.00	ရှိ ဒေ	; ' ;	0,03	9.0
nonretarnable Cartons Total	0.00	0.9	1.62	_ _ 12.7	1,53 0,14 2,21	, 0° 4	0.29	4. 1 8.	0.36	2.8	0.09	4. 4.	0.16	, ,
PLASTIC SIX PACK HOLDERS:	0		0, 03	0.2	0		。	<u> </u>	С	,	0.02	0.7	0	'
TAB CAN OPENERS:	0	1	0	-	Û	,	0	1	0	'	C	'	0	,
GROCERY: Paper: paper bags other	0.92 0.37	13.9	0.26	2.0	3,83 0,42	7.2	0.76	5.0	0.18 0.06	8.5 8.2	0.08	3.0	0.27	5.5
Plastic Metal Glass Total	0.02	0.3	2 20 20 20 20 20 20 20 20 20 20 20 20 20	19.6	0.03 0.03 6.64	4.4 0.1 12.0 5.21	0 0 0 1 2 7	12.4	0.02	0.0	0.01 0.15 0	5.6	0.03	0.6
PREPARED FOOD: Paper Plastic Total	0.85 0.27 1.12	12.8 4.1 16.9	0.52 0.63 1.15	4.1	1.57 6.81 2.38	3.0 1.5	0.61 0.26 0.87	6.0 8.5		17.4		27.3 7.1	1.08	21.9
SNACK FOOD: Paper	0.37	5.6	0.01	0.1	0.57	1.1	0.44	4.3	0,36	16.9	0.07	2.6	1.32	26.8
TOBACCO: Paper Plastic Netal Total	0.30 0 0.30	4.5 1 4.5	0.25 0 0 0.25	2.0	0. 12 0 0. 12	0.2	0.20 0 0 0.20	2.0	0.09	2 - 1 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.06 0 0.06	2.2	0.12 0.03 0.15	2.5 0.6 3.1
AUTOMOTIVE: Glass Metal: oil cans other Rubber: tire Plastic: auti-freeze other Total	000000		0000000	1111111	0 0 0 0 0 0 0 0 13	0.2	c000000	111111	0000000	111111	0000000	1111111	0000000	
NEWSPAPER:	0.17	2.6	0.52	4.1	4.96	9.3	2.12	20.7	0.01	0.5	0.11	4.1	0.15	3.1
HOUSEHOLD: Plastic Paper (incl. alum foil)	1.83	27.6	1,12	8.8 11,3	0.35 2.05	3.9	1,30	12.7	0.27	12.7	0.06	2.2	0.03	0.6
MISC, PAPER: Cardboard Other (incl. paper bags)	0.20	3,0	00		8.61 0.47	16.1 0.9	2.21 0.80	21.6 7.8	0.16	7.5	0.37	13.9 12.4	0.16	3.3
WKE BOTTLES;	0	'	0.25	2.0	0.12	5.0	0, 14	1.4	0	-	0	-	0	,
LIQUOR BOTTLES:	c	'	0.04	0.3	0.04	0,1	0.06	0.6	0	1	0	ı	0	1
MISC. GLASS:	0	-	0.08	9.0	0	-	0	-	0		0	1	0	,
MEC. PLASTIC:	0	ı	0.19	1.5	0	-	0,34	3.3	0	,	0.20	7.5	0.30	6.1
MISC, METAL: Cans Other	0,36	5.4	0	1 1	0 0.31	9.0	0	1 1	0 0	1 1	0	1 1	0.07	1.4
CLEANING AGENT TOILETRIES CONTAINERS.	0	-	0	,	0	-	0	-	0	1	0	,	0	
UNWRAPPED FOOD:	0	•	0 .	'	0		0	-	0	'	0	'	c	٠
OTHER:	0	'	0.42	3,3	22.65	43.6	0,04	0.4	0	١.	0.04	1.5	0.03	0.4
Total	6.64	100.1	12.75	100.0	53.23	100.2	10,25	100.2	2,13	100.1	2.67	1001	4.93	100.2

ALTERNATION OF THE TOTAL STREET STATE AND STREET AND STREET STATES AND STREET AND STREET

CLASSIETCATION	Danville	le	Charlo	Charlottesville	Richmond	ond	Alexa	Alexandria	Alexandria Elephant Vacs	ria t Vacs	Charlettesville Barracks Rd	arlettesville Barracks Rd
	Vol.	بري	Vol.	%	Vol.	$\ell_{\mathcal{O}}$	Vol.	Β×	Vol.	₽°¢	Vol.	હ્ય
BEER: Cans: alum non-alum	6.71	5.0	0,38	8.9	1,62	10.0	1.56	7.5	0	-	0.53	5.6
Bottles: returnable nonreturnable	0	ı	0	ı	0	ı	0	,	0	,	0	1
Cartons Total	0.14	1.0 6.0	0.26	6.1 15.0	0	10.0	0.35	1.7	00		0.05 0.63	0.5
SOFT DRINK: Cans: alum	0,45	3.2	0, 13	3.0	0.93	5.0	0.70	3.4	0.05	2.7	0.20	1.9
Bottles: returnable	0	ı	0	ı	0	ı	9	ı	0	,	<b>c</b>	ı
nonreturnable Cartons	00	1 1	90 0	1.4	0.45	. 2.	0.03	0.2	00	, ,	o o	
Total	0,45	3.2	0,19	4.4	1,38	8.6	0, 73	3,5	0.05	2.7	0,20	1.9
PLASTIC SEX PACK HOLDERS:	0,08	0.6	0.10	2,3	0,12	0.8	0,33	1.6	0	,	0.02	0.2
TAB CAN OPENERS:	0,01	0,1	0, 05	1,2	0	1	0	-	0	-	0.01	0,1
GROCERY: Paper: paper bags	0.92	10.6	0.47	11.0	0.0	1.	0.47	2.3	0 0		1.86	18.0
Plastic Metal	0.0	. H O	0.07	0 1 0	0.53	 	; ; ;	; 1 1	07.00	6.1	1.16	11.2
Glass	0 1.79	12,7	0	37.0	0.53	ا ا ا	2.28	10.9	0.20	10.9	4.85	47.0
PREPARED FOOD: Paper Plastic Total	1.89 2.21 4.10	13.4 15.7 29.1	0.33 0.05 0.38	7.7 1.2 8.9	2.36 0.39 2.75	14.6 2.4 17.0		29.0 18.1 47.1		4.9 5.5 10.4	1.93 0.40 2.33	18.7 3.9 22.6
SNACK FOOD: paper	0.90	6.4	0.23	5.4	5,21	32,3	2,13	10.2	0.01	0,6	0,19	1.9
TOBACCO: Paper Plastic	0,50	3.6	0.22	5,1	0.46	2.9	0.43	2.1	0.18	8.6	0, 18 0	1.8
metal . Total	0.50	3.6	0.22	5.1	0.46	2.9	0,43	2.1	0.18	8.6	0.18	1.8
AUTOMOTIVE: Glass Metal: oil cans other	coc	i 1 1	000	, , ,	000	i 1 :	000	l 1	000	' '	000	1 1
Rubber: tire other	000	1 1	000								000	1 1 1
Plastic: anti-frecze other	0	,	0	,	0					ı ı	000	
Total	0	ı	0	,	0	'	0	'	0	-	0	'
NEW SPAPER:	0, 99	7, 0	0.01	0.2	0,60	3.7	0	1	0,76	41.5	0,08	9.8
HOUSEHOLD: Plastic Paper (incl. alum foil)	0 0.73	5.2	0 0.16	3.7	0,74	4.6	0 1.57	7.5	0.42	23.0	0.20	1,9
MISC, PAPER: Cardboard Other (incl. paper bags)	2.21 0	15,7	0.10	2.3	0.30	1,9	0.72 0	3.5	0	1 1	0,66	6.4
WINE BOTTLES:	0	_	0	-	0	-	0		0	-	0	
LIQUOR BOTTLES:	0	-	0	-	0	-	0,04	0.2	0	-	0	,
MISC. GLASS:	0	1	0.01	0.2	0	1	0	1	0	,	0.04	0.4
MISC, PLASTIC:	0,55	3.9	0.21	4.9	0	,	0.44	2.1	0.02	1.1	0,78	7.6
MISC, METAL; Cans Other	0.05 0.28	0.4	0 0,13	3.0	0	1 1	0.11 0	0.5	0	) i	0, 12 0, 02	1.2
CLEANING AGENT TOILETRIES CONTAINERS:	0	-	0	1	0	_	0	_	0	ı	0	٠
UNWIAPPED FOOD:	0	,	. 0	1	0	-	O	1	0	'	0	1
OTHER:	0.59	4.2	0.23	5.4	0,46	2.9	0,35	1.7	0	-	0, 01	0,1
Totul	14,08	100,1	4,28	99,0	16,14	100,2	20,85	1001	1.83	100,0	10,32	100.2

CLASSIFICATION	Charloitesville Washington	esville c	Charlottesville Mchilire Park	ville Park	Charlottesville Belmont Park	sville it Park	Danville Playground	lle xnd	Norfolk Zoo	복	Norfolk Botanical Gardens		Norfolk Lakewood		Norfolk City Park	녺
	Vol.	423	Vol.	وع	Vol.	200	Vol.	29	Vol.	,°,	Vol.	%	Vol.	£©	Vol.	bh.
BEER: Cans: alum non-alum	1.31	16,3	0.53	5.0	0.10	7.0	1, 49	4.6	1.04	4.2 0.8	2.22 0.40	7.4	0.38	11.5	0.45	15.4
Bottles: retirnable neuvenrable	1,46	18.2	. 0	,	0.22	15.3	0.44	1.4	0,49	2.0	0.08	0.3	0.05	1.5	0,05	1.7
Cartons	0,33 3,10	4.1	0.53	5.0	0.07	4.8	0.12	6.3	0.29 2.02	1.2	0 2.70	- 0.6	0.43	13.0	0,58	19.8
SOFT DRINK: Cans: alum	0.63	7.9	0.13	1.2	0.20	13.9	2.40	7.3	0 0	1 8	0.93	3.1	0 40		0.03	0.7
Bottles: returnable	0,03	0.4	0.07	0.7	0.03	28.5	0.20	9.0			. 0		0 0	2.7.3	9	7
Cartons Total	. o.i.	13.0	0.23		0.64	44 - 5	3,19	7.6	0.73	2.6	2.84	9.5	1.30	39.4	0.27	9.2
PLASTIC SIX PACK HOLDERS.	0.05	9.0	0.02	0.2	0.07	4.9	0.08	0.3	0.02	0.1	0.15	0.5	0	,	0.03	1.0
TAB CAN OPENERS:	0.01	0.1	0	'	0	,	0		0	1	0	'	0	1	0	'
GROCERY: Paper: paper bags other Plastic Metal Giass Total	0.12 1.22 0.01 0.03 0	1.5 15.2 0.1 0.4	0.17 0 0.44 0 0	1.6	0.14 0 0.02 0.02	9.7	9, 23 3, 13 2, 33 0, 12 0	28.2 9.6 7.1 0.4	7.58 0.66 0.47 0.03 0.10	30.3 2.6 1.9 0.1 0.4	3.33 0.64 6.31 0.17 0.03	2.1 2.1 21.1 0.6 0.1 35.0	0 0 0,11 0 0 0,11	1 1 8 1 8	0.74 0.19 0.03 0.03	25.3 6.5 1.0 1.0
PREPARED FOOD: Paper Plastic Total	0,29 0,13 0.42	3.6 1.6 5.2	7.39	69.9 3.8 73.6	000		3.39 0.66 4.05	10,4 2.0 12,4	9.63 0.37 10.00	38.5 1.5 40.0	3.88 1.06 4.94	13.0 3.5 16.5	0.71 0.16 0.87	21.5 4.9 26.4	0, 72 0, 72 1, 74	24, 6 0, 7 25, 3
SNACK FOOD: Paper	0,39	4.9	0.70	9.9	0.00	6.3	1, 32	5.9	1.70	6.8	0.73	2.4	0.20	6.1	0.03	1.0
TOBACCO: Paper Plastic Metal Total	0,09 0 0 0,09	1,1	0. 12 0 0 0. 12	1,1	000	1111	0.30 0 0 0.30	0.9 - 0.9	0.11 0 0 0.11	0.4	0.32 0 0 0.32	1.1	0.01 0 0 0.01	0.3	000	1111
AUTOMOTIVE: Glass Metal: oil cans cther Rubber: tire other Plastic: anti-freeze other Total	0000000		0000000		0000000	. 1	0000000	1111111	•••••	1 3 2 7 3 3 1 1	0 0 0.18 0 0 0 0.18	9.0	0000000	.,	000000	111111
NEWSPAPER:	0.33	4.1	0	-	0	,	0.94	2,9	0	'	5, 02	16.8	0	-	0	•
HOUSEHOLD: Plastic Paper (incl. alum foil)	0.38	4.7	0.45	. 4 E. 3	0	1 1	0 1.85	5.6	0,18	0.7	0.78 0.73	2.6	00	+ 1	0 0	1 1
MISC. PAPER: Cardboard Other (incl. paper bags)	00	1- 1	0.11	1.0	00	1 1	0	5,1	00	1 1	0,53	1.8	0.29	8.8	0.08	2.7
WINE BOTTLES:	0,16	2.0	0	_	0.06	4.2	1,00	3.1	0,69	2.8	0	1	0.06	1.8	0.19	6.5
LIQUOR BOTTLES:	₩0*0	0.5	0	-	0	-	0	,	0	ı	0.04	0,1	0	'	0	•
MISC, GLASS:	0,01	0,1	0	,	0	,	0.10	0.3	0	-	0	-	0	,	0	'
MISC. PLASTIC:	0.12	1,5	0.02	0.2	0		0,05	0.2	0.17	0.7	0.43	1,4	0	'	0.02	0.7
MISC, METAL: Cans Other	0.50	6.2	0	1 1	0.03	2.1	0.04	0.1	0	1 1	0	1 1	0,03	0.9	0	1 1.
CLEANING AGENT TOILETRIES CONTAINERS:	0	-	0	,	0	1	0,33	1,0	0	'	0.01		0	'	0	-
UNWRAPPED FOOD:	0	'	0	,	0		0	,	0	'	0	•	0	'	0	
other:	0	'	0	,	0	٠.	0,36	1.1	0	•	0,08	0.3	0	'	0	'
Total	8.02	99.9	10.58	100.0	1.44	100.2	32.75	100.1	25,01	100.1	29.97	100.0	3.30	100.0	2, 93	100.0

CCNTINUED	
TABLE 28	

Cans: alum	Vol.	ુ	Vol.	ુર
n-alum	0.53	3,4	0, 05 0, 03	5,2
returnable nonreturnable	0.59	3.8	0, 05	5.2
Cartons Total	0.43	2.8	0 0, 13	13,4
lum on-alum	0 1.04	6.7	0.30	30.9
returnable nonreturnable	0.27	∞ 1	0,06	6.2
Cartons Total	1,31	. S.	0,36	37.1
PLASTIC SIX PACK HOLDERS:	0.07	0.5	0	-
TAB CAN OPENERS:	0.01	0.1	0	ı
GROCERY: Paper: paper bags	2.98	19.3	00	1 1
	000	1 1	0,02	2,1
Total	2,98	19,3	0.03	2,1
PREPARED FOOD: Paper Plastic Total	5,09 1,13 6,22	32.6 7.3 40.3	0, 13 0, 11 0, 24	13.4 11.3 24.8
SWACK FOOD: Paper	1,45	9.4	0,04	4.1
TOBACCO: Paper Plastic Metal Total	0, 15 0 0 0, 15	1.0	0, 01 0 0 0, 01	1.0
su	00	1 1	0	1 1
	00	1 1	00	1 1
Plastic: anti-freeze other	0000	, , , ,	-00	111
-	0.26	1.7	) ) )	'
HOUSEHOLD: Plastic , Paper (incl. alum foil)	00	1 1	00	1 1
MISC. PAPER: Cardboard Other (incl. paper bags)	0 1.17	7.6	0 0.10	10,3
WINE BOTTLES:	0	'	0	١
LIQUOR BOTTLES.	0	ı	0	ł
MISC, GIASS:	0	-	0	ı
MISC, PLASTIC:	0	'	0,07	7,2
MISC. METAL. Cans Other	00	1 1	0 0	1 1
CLEANING AGENT TOILETRIES CONTAINERS.	0	'	Û	ı
UNWRAPPED FOOD:	0	'	0	'
OTHER:	0.03	0.2	0	
Total	15,45	100.2	0,97	100.0