

**SCRAP TIRE
MANAGEMENT
REPORT**

FOR THE PERIOD

1991 - 1992

DIVISION OF SOLID WASTE MANAGEMENT

SOLID WASTE SECTION

STATE OF NORTH CAROLINA
JAMES B. HUNT, GOVERNOR

DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES
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1.0 Executive Summary

The 1992 Scrap Tire Management Report provides information on the status of scrap tire management in North Carolina. The report covers the period of July 1, 1991 to June 30, 1992, and is based on information in the county waste management reports submitted to the Section in December 1992. Further information beyond the scope of this report is available by contacting the Division of Solid Waste Management, Solid Waste Section (phone 919-733-0692).

North Carolina generated approximately 6.7 million scrap tires or 1.0 per capita in the 1991 to 1992 reporting period.

The counties reported managing 5,586,443 tires, which was 83% of the total 6.7 million tires generated. In comparison, the counties managed 4,666,886 tires the previous year, which was 71% of the total 6.6 million generated.

The average landfill disposal fee was \$0.37 per tire, which was 29% lower than the average of \$0.48 per tire in the previous year. Planned tipping fees reported by the counties will average \$0.28 in 1992-1993.

Fourteen counties increased disposal fees and reported receiving 355,530 fewer tires than in the previous year. Twenty-nine counties lowered disposal fees and reported receiving 666,201 more tires than in the previous year.

The average cost for tire disposal reported by the counties was \$1.61 per tire. Twenty-three counties reported costs that exceeded the average.

The one percent state tire disposal tax revenue distributed to the counties was \$3,637,903.82, which represented \$0.54 for each scrap tire generated and \$0.65 for each tire reported as managed by the counties.

The one percent tire disposal tax revenue distributed to the counties covered 74 percent of county expenses to dispose tires.

Distribution of the one percent tire disposal tax proceeds to counties based on population did not cover county costs equitably. Counties received from 21 percent to over 200 percent of actual costs of their individual tire programs.

Approximately 994,700 scrap tires or 15% of the total scrap tires generated in North Carolina were diverted from landfills for various uses.

Approximately 635,000 tires or 10% of the total generated were unaccounted.

2.0 Introduction

Landfilling of whole tires was banned by scrap tire legislation in 1989 as part of Senate Bill 111. Some public landfills had already banned tire disposal before Senate Bill 111.

Scrap tires present unique disposal and environmental problems. Whole tires cannot be landfilled satisfactorily since they use large amounts of space, cannot be compacted, and tend to "float" to the surface.

Nuisance tire dumps create serious problems in environmental management. Uncontrolled tire dumps present health and environmental risks in North Carolina. Water trapped in tires provides a favorable breeding environment for disease-carrying mosquitoes. Uncontrolled tire piles pose special fire risks, because it is especially difficult to cut off the oxygen supply and extinguish such fires. Smoke from uncontrolled tire fires is a serious health threat.

Detailed waste tire management data was received from the 100 North Carolina counties for the 1991-1992 fiscal year. This was the second such annual reporting, which makes it possible to analyze trends in scrap tire management in North Carolina.

This report summarizes and analyzes data received from the North Carolina counties for the July 1, 1991 through June 30, 1992 reporting period. This includes numbers of tires managed, costs, and the distribution of the one percent tire disposal tax revenue. This report also describes how the number of scrap tires generated in 1991-1992 was estimated.

3.0 Scrap Tire Generation in North Carolina

The standard used by the United States Environmental Protection Agency (EPA) for estimating generation of scrap tires is one tire per capita per year. The EPA supports this by citing data on tires shipped each year in the United States. In 1990, the Rubber Manufacturers Association reported that 264,262,000 tires were shipped. The United States population in 1990 was 242,496,000. (1)

Accurate estimates can be made for North Carolina using the one percent tire disposal tax data on collections during July 1, 1991 to June 30, 1992. Net collections were \$4,357,217.00, which is one percent of total North Carolina tire sales of \$435,721,700.00. This is an increase of \$694,492.00 over the previous year. According to the NC Tire Dealers and Retreaders Association tire sales did not actually increase, and sales are constant year to year due to tire longevity. The increase in collections occurred because legislation went into effect making off-road and industrial tires subject to the 1% tax.

Sales of truck and car tires can more accurately be determined using the 1990-1991 data (\$366,272,540.00), since this excludes off-road tires. The number of car and truck tires sold can be determined by dividing total sales of \$366,272,540.00 by the average cost of tires.

The tire sales data does not separate car and truck tire sales. Since car and truck tire costs are different, the data must be weighted to obtain accurate estimates. The numbers of tires sold and percentage represented by each category is presented in Table 1. It is assumed that the percentages reflected are the same in North Carolina and nationally. Table 2 presents the tire sales data for North Carolina based on revenue from the tire disposal tax.

Table 1. Total Number of Tires Sold in the United States in 1990 and Percentage Represented by Each Category.
(million tires)

<u>Category</u>	<u>Tires sold*</u>	<u>Percentage of total</u>
Passenger cars	155.0	81.84 %
Light trucks	22.6	11.93 %
Tractor Trailers	11.8	6.23 %
Total	189.4	100 %

* Data supplied by National Tire Dealers and Retreaders Association and NC Tire Dealers and Retreaders Association, personal communication.

Table 2. Estimated New Tire Sales in NC in 1991-1992 Based on Total Sales Reported in Paying Tire Disposal Tax

<u>Category</u>	<u>Total sales</u>	<u>Average cost per tire**</u>	<u>Estimated* number of tires</u>
Passenger car (81.84%)	\$299,757,447	\$ 52.00	5,764,566
Light trucks (11.93%)	\$ 43,696,314	\$ 75.00	582,617
Tractor Trailers (6.23%)	\$ 22,818,779	\$300.00	76,063
Total	\$366,272,540.00 ***		6,423,246

* Estimated by dividing revenue by average cost per tire.

** Data provided by the NC Tire Dealers and Retreaders Association.

*** Excludes off road tire sales.

The number of tires sold in North Carolina in 1991 through 1992 was calculated to be 6,423,246. It is also assumed that an equal number of tires were removed from vehicles.

If the national rate of tire removal from scrapped vehicles is included, an additional 0.2 tire per capita (1,347,992 tires) would bring the total to 7,771,238. The 1991 North Carolina population was 6,739,959. The generation rate would then be about 1.15 per capita per year.

EPA estimates of scrap tires generated nationwide include the assumption that retreaded tires and used tires are put back on the road the same year they are removed. Retreading a tire or reusing the existing tread would therefore extend the tire's useful life. Without retreading or reuse, the national generation rate would be higher than one tire per capita per year. (1,2) These tires are not counted as scrap tires unless the tires are sent to a disposal or processing facility and subsequently removed for retreading and reuse.

Passenger car tires usually are so worn that they are unsuitable for retreading. Only 10 - 20 percent of discarded passenger tires can be retreaded. Retread tires usually have a life-span of 18,000 to 35,000 miles.

The EPA estimates that if the retread markets could be fully developed to include all retreadable car and light truck tires the number of scrap tires generated could be cut by almost 10 percent.(1)

North Carolina has a large retreading industry, and retreads an estimated 1.5 million tires per year. (NC Tire Dealers and Retreaders Association, personal communication) Retread and used tires are not counted as scrap tires in this report, but it is assumed that retreading has reduced the scrap tire generation rate in North Carolina by 777,124 tires or 10 percent of the total. This has reduced the per capita generation rate from 1.15 to 1.04.

Reuse of tires with considerable tread remaining also accounts for extending a tire's useful life. The EPA estimates that if all usable tires were put back on the road the number of scrap tires generated could be reduced by three percent. Assuming this is fully practiced in North Carolina, this has reduced the annual generation rate by another 233,137 tires. This means the actual generation rate is about 1.0 per capita.

4.0 County Reports

All counties are required to provide facilities for disposal of their scrap tires and to report on their tire management programs (Appendix, Table 1). While nearly all tires handled by the counties were landfilled, the counties collected and managed tires in various ways.

Two private facilities received 30% of the disposed tires. US Tire Recycling at Concord, North Carolina provided collection and disposal services used by 36 counties, and received 1,709,425 tires during the reporting period. This was 25.5% of the total scrap tires disposed in the state. Central Carolina Tire Recycling received 276,461 tires from 10 counties.

Metro Tire Division in Pinson, Alabama received approximately 284,023 scrap tires from Sears, Montgomery Ward, and Pep Boys. These were all recycled or re-used.

5.0 Tire Recycling

Approximately 994,700 scrap tires or 15% of the total scrap tires generated in North Carolina were diverted from landfills for use as tire derived fuel (TDF), asphalt, used tires, retreading, and miscellaneous products.

A total of 222,356 tires or 3.3% of the scrap tires generated in North Carolina were used as tire derived fuel. This includes 51,943 tires shipped by eight northeastern counties to Southeastern Public Service Authority of Virginia and 170,413 tires shipped to Metro Tire Division in Alabama. Additionally, 90,644 tires or 1.4% of the tires generated in North Carolina were used in asphalt.

US Tire Recycling and Central Carolina Recycling divert a portion of the tires from landfills for recycling or re-use. Both facilities have permitted tire monofills for tire disposal, and are capable of recovering or "mining" the landfilled tires for future recycling markets. US Tire Recycling reported that 512,800 tires or 30% of the total they collected in 1991-1992 were recycled or re-used. Central Carolina Recycling reported recycling or re-use of 55,300 tires, and Metro Tire recycled or re-used 113,610 tires. The number of tires diverted

from landfills by the three facilities is 681,710 tires or 10.2% of the total generated in North Carolina.

Additional tire collection facilities will be available in North Carolina to receive county tires in 1992-1993. These have been recently permitted and will recycle or re-use tires. These include Recycled Products Management, Inc., Thomas Engineering, and TIRES, Inc. These facilities were not available to receive tires for most of the 1991-1992 reporting period.

6.0 County Costs of Tire Disposal

The reported costs for tire disposal (presented in Table 2 in the Appendix) varied greatly and may or may not have included total direct costs (eg. labor, equipment, and site preparation) or indirect administrative costs (Appendix, Table 2). A comparison of cost per tire in 1990-1991 and 1991-1992 is shown in Figure 1, which shows costs were similar both years.

It is not known how much variation is due to errors in recordkeeping and reporting by the counties. While some counties underestimated costs, others reported costs which seem excessive when compared with other counties.

Some of the variation is due to geography. For example, counties that are close to the US Tire Recycling had lower shipping costs than distant counties. The average cost for tire disposal reported was \$1.61. (Appendix, Table 2) Seventy-two counties reported tire disposal costs of \$1.61 or less, while twenty-three counties reported costs of more than \$1.61 per tire. (Appendix, Table 3)

Since counties with lower disposal costs reported receiving the majority of the state's disposed tires, the actual average tire disposal cost was \$0.88 per tire. The number of reporting counties totaled 98 since Chowan, Perquimans, and Gates counties operate a single regional facility. Columbus, Pamlico, and Stanley counties did not dispose tires which were collected during the reporting period.

7.0 Tire Disposal Tax Revenue Distribution

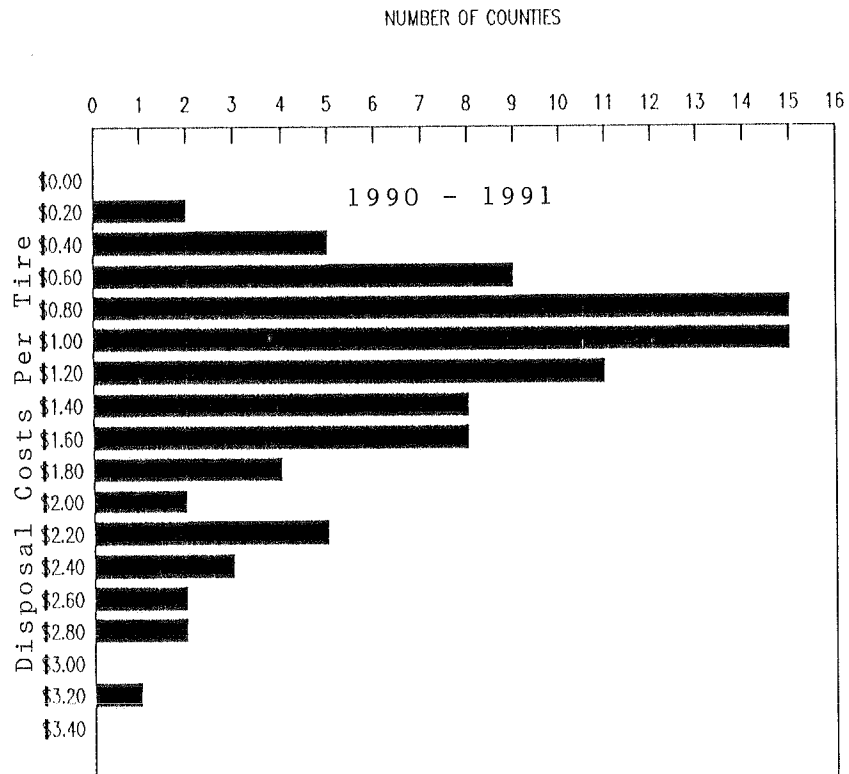
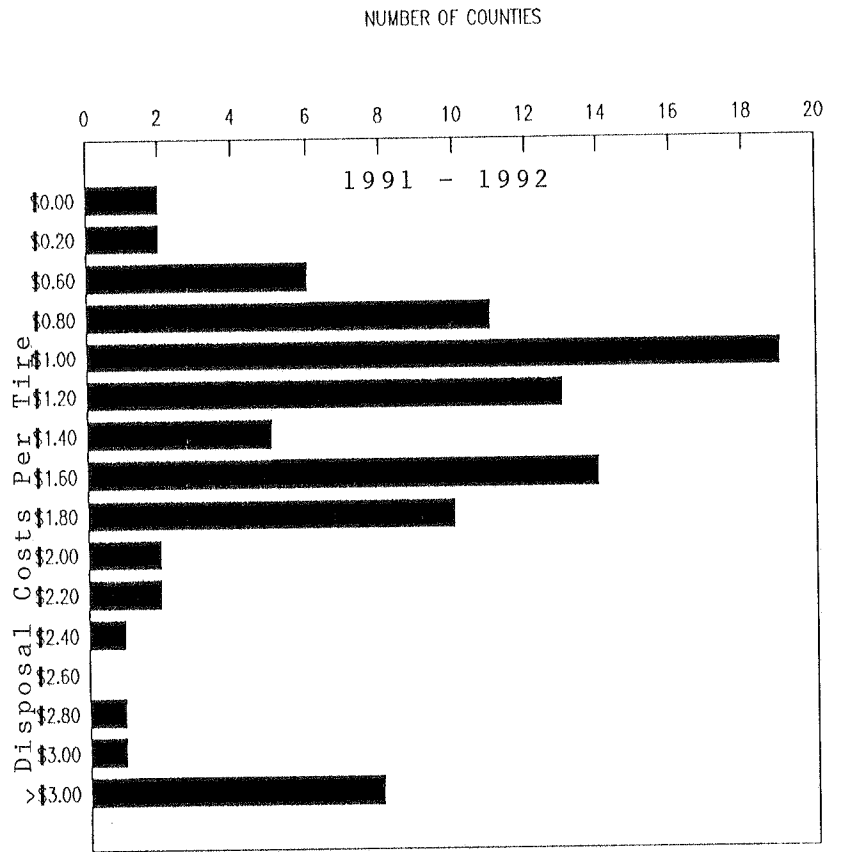
The state one percent tire disposal tax revenue was distributed to the counties on a per capita basis. This subsidized the counties for tire disposal costs, but did not cover total expenses in most counties.

The counties reported that \$3,637,903.82 was distributed to the 100 counties, which was an increase of 29% over the previous year. This provided an average of:

- a) \$0.54 for each of the 6.7 million scrap tires generated, and
- b) \$0.65 for each of the 5.5 million scrap tires reported managed by the counties.

The average amount of disposal tax revenue received per county was \$37,121.47. This was

Fig. 1 Disposal costs per tire reported by North Carolina counties in 1990 - 1991 and 1991 - 1992



74 percent of the average disposal costs of \$50,021.44 per county. (Appendix, Table 4) The state revenue was not distributed based on need by the county. Only 24 counties reported receiving enough to cover 100 percent of their tire disposal expenses. (Appendix, Fig.1) Disposal costs varied greatly due to geography and other factors, but were not directly related to population. Reimbursement from the one percent tax based on population did not match actual needs in most counties. Twenty-two counties received over 100% of actual costs of tire disposal.

The shortfall in many counties led to a wide range of tipping fees being imposed. (Appendix, Table 5) Fees were lower in 1991-1992 than in the previous year. Fees averaged \$0.48 per tire in 1990-1991 and \$0.37 per tire in 1991-1992. The projected fee for 1992-1993 averaged \$0.28.

<u>Tire Disposal Fee</u>	<u>1991-1992</u> <u>Number of Counties</u>	<u>1990-1991</u> <u>Number of Counties</u>
\$ 0.00	36	33
\$ 0.01 - \$ 0.20	8	4
\$ 0.21 - \$ 0.40	16	8
\$ 0.41 - \$ 0.60	11	14
\$ 0.61 - \$ 0.80	11	15
\$ 0.81 - \$ 1.00	15	23
> \$ 1.00	1	1

In 1990-1991 53 counties charged tipping fees of more than \$0.40 per tire, while in 1991-1992 38 counties charged more than \$0.40 per tire. In comparison with the previous year changes were:

<u>FEE CHANGE</u>	<u>NUMBER OF COUNTIES</u>	<u>IMPACT ON NUMBER OF TIRES RECEIVED</u>
Increased	14 counties	355,530 fewer tires
Decreased	29 counties	666,201 more tires
Same	31 counties	152,110 fewer tires

Again, note that a total of ninety-eight counties reported disposal fees since Perquimans, Chowan, and Gates operate a single regional facility.

8.0 Unaccounted tires

Many counties received fewer tires than the total estimated generated. (Appendix, Table 6)

The counties reported disposing a total of 5,586,443 tires, or 83 percent of the estimated total of 6.7 million scrap tires. In comparison, 70 percent of the scrap tires were managed by the counties in 1990-1991.

US Tire received 233,991 tires from North Carolina counties which were not managed by the county tire disposal programs. These tires were hauled directly to the monofill, mostly from Mecklenburg and Cabarrus counties.

Combining the number of tires managed by the counties, and tires hauled directly to US Tire and Metro Tire Division shows that 6,104,457 tires or 90% of the total generated were legally disposed. The remainder of 635,302 tires are unaccounted and include the numbers illegally dumped in North Carolina woodlands, streams and roadsides.

9.0 Inventory of Scrap Tire Sites

An inventory of illegal tire sites was developed for North Carolina by contacting county solid waste and health workers in the 100 counties. A total of 8,293,425 tires were reported in 143 sites in 50 counties. (Appendix 2).

10.0 LITERATURE CITED

1. Markets for Scrap Tires. 1991. US EPA, Office of Solid Waste. EPA/530-SW-90-074A. Washington, DC.
2. Kearney, A.T. 1990. Scrap Tire Use/Disposal Study, Final Report. Scrap Tire Management Council, Washington, DC.

APPENDIX 1

Table 1 County reports of tire disposal activities in 1991 - 1992

COUNTY	TIP FEE 91-92	TIP RECEIPTS	1% TAX PROCEEDS	TOTAL INCOME
ALAMANCE	\$0.20	\$22,126.40	\$54,202.00	\$76,328.40
ALEXANDER	\$0.75	\$6,221.86	\$14,839.68	\$21,061.54
ALLEGHENY	\$0.00	\$0.00	\$2,642.72	\$2,642.72
ANSON	\$0.30	\$4,971.60	\$13,223.88	\$18,195.48
ASHE	\$0.00	\$0.00	\$12,050.00	\$12,050.00
AVERY	\$0.00	\$0.00	\$8,400.36	\$8,400.36
BEAUFORT	\$0.00	\$0.00	\$23,901.00	\$23,901.00
BERTIE	\$0.90	\$18.50	\$10,989.53	\$11,008.03
BLADEN	\$0.00	\$0.00	\$25,000.00	\$25,000.00
BRUNSWICK	\$0.00	\$0.00	\$29,001.02	\$29,001.02
BUNCOMBE	\$0.00	\$0.00	\$98,327.00	\$98,327.00
BURKE	\$0.50	\$40,000.00	\$39,000.00	\$79,000.00
CABARRUS	\$0.00	\$0.00	\$52,925.47	\$52,925.47
CALDWELL	\$0.00	\$0.00	\$39,969.00	\$39,969.00
CAMDEN	\$0.00	\$0.00	\$3,334.68	\$3,334.68
CARTERET	\$0.00	\$0.00	\$28,140.61	\$28,140.61
CASWELL	\$0.15	N/D	\$11,268.09	\$11,268.09
CATAWBA	\$0.20	\$24,610.07	\$67,044.75	\$91,654.82
CHATHAM	\$1.00	\$5,329.00	\$21,959.00	\$27,288.00
CHEROKEE	\$0.00	\$0.00	\$11,405.43	\$11,405.43
CLAY	\$0.00	\$0.00	\$4,924.00	\$4,924.00
CLEVELAND	\$0.30	\$8,521.04	\$47,850.87	\$56,371.91
COLUMBUS	\$0.35	\$2,107.22	\$27,976.39	\$30,083.61
CRAVEN	\$0.25	\$11,001.85	\$43,866.12	\$54,867.97
CUMBERLAN	\$1.75	\$47,922.00	\$146,769.00	\$194,691.00
CURRITUCK	\$0.00	\$0.00	\$5,709.96	\$5,709.96
DARE	\$0.00	\$0.00	\$12,975.00	\$12,975.00
DAVIDSON	\$0.30	\$35,942.00	\$67,873.70	\$103,815.70
DAVIE	\$0.45	\$4,470.05	\$19,175.00	\$23,645.05
DUPLIN	\$0.75	\$5,048.85	\$21,669.15	\$26,718.00
DURHAM	\$0.40	\$55,376.60	\$96,816.77	\$152,193.37
EDGECOMB	\$0.00	\$0.00	\$31,959.00	\$31,959.00
FORSYTH	\$0.54	\$47,996.00	\$150,439.00	\$198,435.00
FRANKLIN	\$0.00	\$0.00	\$19,562.00	\$19,562.00
GASTON	\$0.50	\$15,204.74	\$99,040.56	\$114,245.30
GRAHAM	\$0.00	\$0.00	\$2,650.00	\$2,650.00
GRANVILLE	\$0.20	\$4,983.60	\$21,743.61	\$26,727.21
GREENE	\$0.00	\$0.00	\$8,693.54	\$8,693.54
GUILFORD	\$0.25	\$0.00	\$185,392.59	\$185,392.59
HALIFAX	\$1.00	\$2,791.00	\$31,000.00	\$33,791.00
HARNETT	\$1.00	\$3,564.00	\$33,986.00	\$37,550.00
HAYWOOD	\$0.00	\$0.00	\$26,508.94	\$26,508.94
HENDERSON	\$0.25	\$11,696.00	\$39,270.00	\$50,966.00
HERTFORD	\$0.50	\$100.00	\$12,706.21	\$12,806.21
HOKE	\$0.75	\$5,587.50	\$12,905.55	\$18,493.05

COUNTY	TIP FEE 91-92	TIP RECEIPTS	1% TAX PROCEEDS	TOTAL INCOME
HYDE	\$0.00	\$0.00	\$2,925.78	\$2,925.78
IREDELL	\$0.30	\$23,289.00	\$52,619.00	\$75,908.00
JACKSON	\$0.00	\$0.00	\$14,461.73	\$14,461.73
JOHNSTON	\$0.18	\$497.68	\$43,688.03	\$44,185.71
JONES	\$1.00	\$243.00	\$5,103.00	\$5,346.00
LEE	\$1.00	\$3,919.50	\$18,544.05	\$22,463.55
LENOIR	\$0.75	\$5,518.40	\$32,029.88	\$37,548.28
LINCOLN	\$0.50	\$10,359.00	\$26,922.00	\$37,281.00
MACON	\$0.50	\$4,245.00	\$9,742.00	\$13,987.00
MADISON	\$0.25	\$1,190.75	\$9,134.71	\$10,325.46
MARTIN	\$0.00	\$0.00	\$14,147.00	\$14,147.00
MCDOWELL	\$0.66	\$579.60	\$20,154.91	\$20,734.51
MECKLENBU	\$1.00	\$0.00	\$290,248.73	\$290,248.73
MITCHELL	\$0.00	\$0.00	\$9,943.00	\$9,943.00
MONTGOMER	\$0.35	\$6,361.18	\$13,179.59	\$19,540.77
MOORE	\$1.00	\$7,528.00	\$35,282.00	\$42,810.00
NASH	\$1.00	\$1,480.00	\$34,674.00	\$36,154.00
NEW HANOV	\$0.30	\$49,323.40	\$60,316.42	\$109,639.82
NORTHAMPT	\$1.00	\$1,696.76	\$11,883.00	\$13,579.76
ONSLOW	\$0.00	\$0.00	\$101,141.80	\$101,141.80
ORANGE	\$1.00	\$8,100.00	\$50,090.00	\$58,190.00
PAMLICO	\$1.00	\$9,958.00	\$6,434.00	\$16,392.00
PASQUOTAN	\$1.00	\$3,188.00	\$16,164.90	\$19,352.90
PENDER	\$0.30	\$2,785.10	\$15,418.33	\$18,203.43
PE/CH/GA*	\$0.50	\$2,206.00	\$18,812.10	\$21,018.10
PERSON	\$0.14	\$4,867.66	\$17,055.23	\$21,922.89
PITT	\$0.00	\$0.00	\$55,000.00	\$55,000.00
POLK	\$0.50	\$1,127.25	\$7,812.62	\$8,939.87
RANDOLPH	\$0.20	\$24,160.00	\$57,000.00	\$81,160.00
RICHMOND	\$0.00	\$0.00	\$24,010.00	\$24,010.00
ROCKINGHA	\$0.80	\$18,113.60	\$59,143.82	\$77,257.42
ROBESON	\$0.75	\$19,608.00	\$56,678.53	\$76,286.53
ROWAN	\$0.25	\$3,474.00	\$62,609.00	\$66,083.00
RUTHERFOR	\$0.78	\$15,080.50	\$30,687.12	\$45,767.62
SAMPSON	\$1.00	\$1,667.50	\$26,674.12	\$28,341.62
SCOTLAND	\$1.00	\$6,438.00	\$18,171.00	\$24,609.00
STANLEY	\$0.00	\$0.00	N/D	N/D
STOKES	\$0.00	\$0.00	\$21,072.39	\$21,072.39
SURRY	\$0.00	\$0.00	\$33,168.00	\$33,168.00
SWAIN	\$0.00	\$0.00	\$6,013.76	\$6,013.76
TRANSYLVA	\$0.75	\$2,049.00	\$13,786.00	\$15,835.00
TYRRELL	\$0.00	\$0.00	\$2,106.84	\$2,106.84
UNION	\$0.26	\$9,047.29	\$47,745.76	\$56,793.05
VANCE	\$0.00	\$0.00	\$20,935.24	\$20,935.24
WAKE	\$0.50	\$96,679.00	\$240,649.00	\$337,328.00
WARREN	\$0.75	\$3,977.00	\$9,763.00	\$13,740.00
WASHINGTON	\$0.40	\$7,087.00	\$7,549.27	\$14,636.27

COUNTY	TIP FEE 91-92	TIP RECEIPTS	1% TAX PROCEEDS	TOTAL INCOME
WATAUGA	\$0.10	\$1,241.10	\$20,932.74	\$22,173.84
WAYNE	\$0.00	\$3,308.75	\$55,601.62	\$58,910.37
WILKES	\$0.50	\$8,436.00	\$33,546.59	\$41,982.59
WILSON	\$0.00	\$0.00	\$35,406.77	\$35,406.77
YADKIN	\$0.75	\$2,638.50	\$16,359.60	\$18,998.10
YANCY	\$0.00	\$0.00	\$6,278.66	\$6,278.66
TOTALS		\$737,058.40	\$3,637,903.82	\$4,374,962.22
AVERAGES	\$0.37	\$7,370.43	\$36,945.38	\$44,315.81

COUNTY	NUMBER DISPOSED	EXPENSES	NET GAIN OR (LOSS)
ALAMANCE	110,626	\$83,442.00	(\$7,113.60)
ALEXANDER	14,313	\$13,905.80	\$7,155.74
ALLEGHENY	5,123	\$5,096.25	(\$2,453.53)
ANSON	13,456	\$17,047.60	\$1,147.88
ASHE	16,351	\$10,361.75	\$1,688.25
AVERY	10,000	\$9,462.65	(\$1,062.29)
BEAUFORT	32,994	\$51,895.00	(\$27,994.00)
BERTIE	600	\$7,729.65	\$3,278.38
BLADEN	64,440	\$33,000.00	(\$8,000.00)
BRUNSWICK	337,183	\$31,015.82	(\$2,014.80)
BUNCOMBE	265,222	\$137,517.60	(\$39,190.60)
BURKE	75,000	\$79,000.00	\$0.00
CABARRUS	44,831	\$66,707.78	(\$13,782.31)
CALDWELL	52,997	\$43,050.00	(\$3,081.00)
CAMDEN	2,397	\$2,838.00	\$496.68
CARTERET	40,735	\$28,155.00	(\$14.39)
CASWELL	6,449	\$7,179.60	\$4,088.49
CATAWBA	161,400	\$111,381.00	(\$19,726.18)
CHATHAM	23,829	\$34,091.00	(\$6,803.00)
CHEROKEE	15,000	\$27,750.00	(\$16,344.57)
CLAY	4,217	\$3,584.00	\$1,340.00
CLEVELAND	60,086	\$79,163.93	(\$22,792.02)
COLUMBUS	19,167	N/D	\$30,083.61
CRAVEN	33,697	\$56,652.00	(\$1,784.03)
CUMBERLAND	132,634	\$366,825.00	(\$172,134.00)
CURRITUCK	3,042	\$5,034.00	\$675.96
DARE	22,210	\$29,592.50	(\$16,617.50)
DAVIDSON	120,313	\$103,815.70	\$0.00
DAVIE	18,495	\$24,272.30	(\$627.25)
DUPLIN	74,334	\$67,762.28	(\$41,044.28)
DURHAM	131,000	\$131,762.00	\$20,431.37
EDGECOMB	95,814	\$31,959.00	\$0.00
FORSYTH	455,064	\$242,592.00	(\$44,157.00)
FRANKLIN	23,916	\$13,071.88	\$6,490.12
GASTON	85,809	\$101,017.96	\$13,227.34
GRAHAM	4,344	\$6,160.00	(\$3,510.00)
GRANVILLE	24,918	\$36,977.97	(\$10,250.76)
GREENE	8,932	\$15,131.68	(\$6,438.14)
GUILFORD	317,145	\$157,123.47	\$28,269.12
HALIFAX	3,600	\$6,037.55	\$27,753.45
HARNETT	7,166	\$37,550.00	\$0.00
HAYWOOD	29,000	\$40,747.80	(\$14,238.86)
HENDERSON	25,100	\$37,280.00	\$13,686.00
HERTFORD	4,851	\$15,725.50	(\$2,919.29)
HOKE	16,885	\$19,206.16	(\$713.11)
HYDE	3,000	\$4,876.00	(\$1,950.22)
IREDELL	110,700	\$94,086.00	(\$18,178.00)

COUNTY	NUMBER DISPOSED	EXPENSES	NET GAIN OR (LOSS)
JACKSON	7,960	\$12,759.30	\$1,702.43
JOHNSTON	47,600	\$66,941.02	(\$22,755.31)
JONES	24,213	\$18,000.00	(\$12,654.00)
LEE	9,755	\$22,467.98	(\$4.43)
LENOIR	27,111	\$41,014.70	(\$3,466.42)
LINCOLN	63,100	\$52,000.00	(\$14,719.00)
MACON	12,070	\$14,093.00	(\$106.00)
MADISON	10,400	\$12,511.05	(\$2,185.59)
MARTIN	19,992	\$19,236.00	(\$5,089.00)
MCDOWELL	26,294	\$24,195.15	(\$3,460.64)
MECKLENBURG	305,886	\$187,623.02	\$102,625.71
MITCHELL	15,450	\$14,130.15	(\$4,187.15)
MONTGOMERY	19,871	\$21,468.71	(\$1,927.94)
MOORE	10,640	\$42,810.00	\$0.00
NASH	13,758	\$9,544.00	\$26,610.00
NEW HANOVER	124,958	\$109,472.52	\$167.30
NORTHAMPTON	1,199	\$10,500.00	\$3,079.76
ONslow	147,215	\$137,264.65	(\$36,122.85)
ORANGE	74,040	\$82,252.00	(\$24,062.00)
PAMLICO	7,081	N/D	\$16,392.00
PASQUOTANK	38,748	\$29,927.50	(\$10,574.60)
PENDER	8,672	\$17,670.00	\$533.43
PE/CH/GA*	2,142	\$12,744.00	\$8,274.10
PERSON	34,769	\$25,655.49	(\$3,732.60)
PITT	123,800	\$70,000.00	(\$15,000.00)
POLK	12,740	\$8,979.60	(\$39.73)
RANDOLPH	120,800	\$77,896.00	\$3,264.00
RICHMOND	32,870	\$47,286.91	(\$23,276.91)
ROCKINGHAM	22,000	\$39,254.30	\$38,003.12
ROBESON	21,144	\$76,237.00	\$49.53
ROWAN	69,321	\$65,376.00	\$707.00
RUTHERFORD	30,159	\$45,767.62	\$0.00
SAMPSON	961	\$9,410.99	\$18,930.63
SCOTLAND	17,851	\$25,115.00	(\$506.00)
STANLEY	58,037	N/D	N/D
STOKES	14,903	\$12,968.00	\$8,104.39
SURRY	91,312	\$33,483.00	(\$315.00)
SWAIN	8,170	\$8,170.00	(\$2,156.24)
TRANSYLVIA	3,600	\$10,240.00	\$5,595.00
TYRRELL	2,614	\$4,511.30	(\$2,404.46)
UNION	67,900	\$82,267.00	(\$25,473.95)
VANCE	20,808	\$36,487.74	(\$15,552.50)
WAKE	264,686	\$459,725.00	(\$122,397.00)
WARREN	12,916	\$13,833.00	(\$93.00)
WASHINGTON	18,421	\$15,762.50	(\$1,126.23)
WATAUGA	17,552	\$19,725.26	\$2,448.58
WAYNE	80,174	\$95,447.40	(\$36,537.03)
WILKES	15,649	\$29,188.37	\$12,794.22

COUNTY	NUMBER DISPOSED	EXPENSES	NET GAIN OR (LOSS)
WILSON	236,165	\$47,842.50	(\$12,435.73)
YADKIN	24,476	\$38,572.33	(\$19,574.23)
YANCY	16,105	\$15,640.85	(\$9,362.19)
TOTALS	5,586,443	\$4,902,101.09	(\$527,138.87)
AVERAGES			

COUNTY	MEANS OF TIRE DISPOSAL
ALAMANCE	ALAMANCE CO LF
ALEXANDER	RESOURCE RECOVERY, ATLANTA
ALLEGHENY	US TIRE
ANSON	ANSON CO LF
ASHE	US TIRE
AVERY	US TIRE
BEAUFORT	BEAUFORT CO LF
BERTIE	PIEDMONT LF
BLADEN	BFI (CHARLOTTE) /TIRES, INC
BRUNSWICK	BRUNSWICK CO LF
BUNCOMBE	BUNCOMBE CO LF
BURKE	US TIRE
CABARRUS	US TIRE
CALDWELL	US TIRE
CAMDEN	SPSA, SUFFOLK VA
CARTERET	EASTERN TIRE/CENTRAL CAROLINA
CASWELL	N/D
CATAWBA	CATAWBA CO LF
CHATHAM	CHATHAM CO LF
CHEROKEE	WASTE RECOVERY, ATLANTA
CLAY	ALLEN RESEARCH
CLEVELAND	US TIRE
COLUMBUS	N/D
CRAVEN	CENTRAL CAROLINA TIRE
CUMBERLAND	BFI (SAMPSON CO & CHARLOTTE)
CURRITUCK	SE PUBLIC SERVICE
DARE	VA RECYCLING CORP, SUFFOLK VA
DAVIDSON	US TIRE
DAVIE	US TIRE
DUPLIN	THOMAS SANITATION, CLINTON, NC
DURHAM	US TIRE
EDGECOMB	EDGECOMB CO LF (CONTRACT SHREDDED)
FORSYTH	N/D
FRANKLIN	FRANKLIN CO LF
GASTON	US TIRE
GRAHAM	WASTE RECOVERY, ATL GA
GRANVILLE	GRANVILLE CO LF
GREENE	CENTRAL CAROLINA
GUILFORD	GREENSBORO MUNICIPAL LF
HALIFAX	EASTERN TIRE RECYCLERS
HARNETT	HARNETT CO LF
HAYWOOD	ALLEN RESEARCH
HENDERSON	US TIRE
HERTFORD	TIRES INC

COUNTY	MEANS OF TIRE DISPOSAL
HOKE	HOKE CO LF
HYDE	SPSA, CHESAPEAKE VA
IREDELL	BFI
JACKSON	WASTE RECOVERY, ATL
JOHNSTON	US TIRE
JONES	JONES CO LF (SLICED)
LEE	CENTRAL CAROLINA
LENOIR	WASTE MGMT -- KERNERSVILLE
LINCOLN	BFI
MACON	WASTE RECOVERY - ATL, GA
MADISON	US TIRE
MARTIN	PIEDMONT LF, KERNERSVILLE
MCDOWELL	N/D
MECKLENBU	US TIRE
MITCHELL	ALLEN RESEARCH
MONTGOMERY	PIEDMONT LANDFILL
MOORE	CENTRAL CAROLINA TIRE
NASH	NASH CO LF
NEW HANOVER	PIEDMONT LANDFILL AND RECYCLING
NORTHAMPTON	US TIRE
ONslow	CENTRAL CAROLINA TIRE DISPOSAL
ORANGE	US TIRE
PAMLICO	STOCKPILED, SHREDDED '92-93
PASQUOTANK	SE PUBLIC SERVICE AUTHORITY
PENDER	CENTRAL CAROLINA TIRE
PE/CH/GA*	SE PUBLIC SERVICE AUTHORITY - VA
PERSON	PERSON CO LF
PITT	PITT CO LF
POLK	N/D
RANDOLPH	RANDOLPH CO LF
RICHMOND	US TIRE
ROCKINGHAM	US TIRE
ROBESON	ROBESON CO LF
ROWAN	US TIRE
RUTHERFORD	US TIRE
SAMPSON	CENTRAL CAROLINA
SCOTLAND	CENTRAL CAROLINA
STANLEY	ALBERMARLE CITY LF
STOKES	US TIRE
SURRY	SURRY CO LF
SWAIN	WASTE RECOVERY, ATLANTA
TRANSYLVA	WASTE MANAGEMENT-KERNERSVILLE
TYRRELL	SUFFOLK VA SE PUBLIC AUTHORITY
UNION	US TIRE

COUNTY	MEANS OF TIRE DISPOSAL
VANCE	BFI-CHARLOTTE
WAKE	BFI-CABARRUS CO
WARREN	BFI, CABARRUS CO
WASHINGTON	INTERSTATE TIRE
WATAUGA	US TIRE
WAYNE	US TIRE
WILKES	N/D
WILSON	WILSON CO LF
YADKIN	US TIRE/USED FOR LF ROAD
YANCY	US TIRE

Table 2 Expenses incurred by North Carolina counties for tire disposal in 1990 - 1991 and 1991 - 1992

COUNTY	-----1990-1991-----		-----1991-1992-----	
	TOTAL COSTS	COST PER TIRE	TOTAL COSTS	COST PER TIRE
ALAMANCE	\$64,034.00	\$0.64	\$83,442.00	\$0.75
ALEXANDER	\$15,719.00	\$1.31	\$13,905.80	\$0.97
ALLEGHENY	\$4,806.09	\$0.78	\$5,096.25	\$0.99
ANSON	\$14,694.00	\$1.30	\$17,047.60	\$1.27
ASHE	\$10,273.50	\$0.78	\$10,361.75	\$0.63
AVERY	\$8,722.00	\$1.25	\$9,462.65	\$0.95
BEAUFORT	\$48,000.00	\$1.00	\$51,895.00	\$1.57
BERTIE	\$2,620.00	\$2.18	\$7,729.65	\$12.88
BLADEN	\$14,508.16	\$0.48	\$33,000.00	\$0.51
BRUNSWICK	\$34,000.00	\$0.52	\$31,015.82	\$0.09
BUNCOMBE	\$306,040.00	\$2.04	\$137,517.60	\$0.52
BURKE	\$76,000.00	\$0.75	\$79,000.00	\$1.05
CABARRUS	\$24,289.13	\$0.53	\$66,707.78	\$1.49
CALDWELL	\$37,346.35	\$1.53	\$43,050.00	\$0.81
CAMDEN	\$1,500.00	\$0.71	\$2,838.00	\$1.18
CARTERET	\$33,000.00	\$1.65	\$28,155.00	\$0.69
CASWELL	\$985.00	\$0.33	\$7,179.60	\$1.11
CATAWBA	\$104,000.00	\$1.00	\$111,381.00	\$0.69
CHATHAM	\$22,281.00	\$1.59	\$34,091.00	\$1.43
CHEROKEE	\$15,000.00	\$1.50	\$27,750.00	\$1.85
CLAY	\$917.15	\$0.85	\$3,584.00	\$0.85
CLEVELAND	\$57,407.27	\$2.08	\$79,163.93	\$1.32
COLUMBUS	\$18,948.07	\$1.35	N/D	N/D
CRAVEN	\$41,200.00	\$0.41	\$56,652.00	\$1.68
CUMBERLAND	\$590,644.30	\$0.82	\$366,825.00	\$2.77
CURRITUCK	\$6,400.00	\$1.03	\$5,034.00	\$1.65
DARE	\$9,295.00	\$0.45	\$29,592.50	\$1.33
DAVIDSON	\$60,321.00	\$0.70	\$103,815.70	\$0.86
DAVIE	\$13,050.00	\$1.05	\$24,272.30	\$1.31
DUPLIN	\$19,470.00	\$3.44	\$67,762.28	\$0.91
DURHAM	\$131,305.85	\$1.00	\$131,762.00	\$1.01
EDGECOMB	\$52,500.00	\$2.10	\$31,959.00	\$0.33
FORSYTH	\$143,678.00	\$0.52	\$242,592.00	\$0.53
FRANKLIN	\$8,975.00	\$0.63	\$13,071.88	\$0.55
GASTON	\$61,928.64	\$1.98	\$101,017.96	\$1.18
GRAHAM	\$850.00	\$1.00	\$6,160.00	\$1.42
GRANVILLE	\$31,219.77	\$0.87	\$36,977.97	\$1.48
GREENE	\$12,549.26	\$1.53	\$15,131.68	\$1.69
GUILFORD	\$98,109.46	\$0.39	\$157,123.47	\$0.50
HALIFAX	\$4,774.00	\$2.64	\$6,037.55	\$1.68
HARNETT	\$33,534.00	\$4.99	\$37,550.00	\$5.24
HAYWOOD	\$28,827.84	\$1.33	\$40,747.80	\$1.41
HENDERSON	\$30,254.30	\$1.26	\$37,280.00	\$1.49
HERTFORD	\$18,000.00	\$0.90	\$15,725.50	\$3.24
HOKE	\$14,306.00	\$0.62	\$19,206.16	\$1.14

COUNTY	-----1990-1991-----		-----1991-1992-----	
	TOTAL COSTS	COST PER TIRE	TOTAL COSTS	COST PER TIRE
HYDE	\$4,876.00	\$2.09	\$4,876.00	\$1.63
IREDELL	\$75,288.15	\$1.10	\$94,086.00	\$0.85
JACKSON	\$5,909.00	\$0.85	\$12,759.30	\$1.60
JOHNSTON	\$45,119.00	\$1.92	\$66,941.02	\$1.41
JONES	\$8,000.00	\$0.36	\$18,000.00	\$0.74
LEE	\$26,885.00	\$3.17	\$22,467.98	\$2.30
LENOIR	\$31,157.77	\$1.14	\$41,014.70	\$1.51
LINCOLN	\$40,000.00	\$1.00	\$52,000.00	\$0.82
MACON	\$35,000.00	\$2.29	\$14,093.00	\$1.17
MADISON	\$7,650.15	\$1.44	\$12,511.05	\$1.20
MARTIN	\$12,782.00	\$1.13	\$19,236.00	\$0.96
MCDOWELL	\$18,995.46	\$0.86	\$24,195.15	\$0.92
MECKLENBU	\$113,128.08	\$0.39	\$187,623.02	\$0.61
MITCHELL	\$5,735.36	\$0.85	\$14,130.15	\$0.91
MONTGOMERY	\$16,414.65	\$1.15	\$21,468.71	\$1.08
MOORE	\$23,743.00	\$2.46	\$42,810.00	\$4.02
NASH	\$2,659.91	\$0.09	\$9,544.00	\$0.69
NEW HANOV	\$64,514.66	\$0.65	\$109,472.52	\$0.88
NORTHAMPTO	\$1,451.25	\$1.62	\$10,500.00	\$8.76
ONSLow	\$16,145.00	\$1.00	\$137,264.65	\$0.93
ORANGE	\$40,121.31	\$1.79	\$82,252.00	\$1.11
PAMLICO	\$8,541.28	\$0.76	N/D	N/D
PASQUOTANK	\$21,574.80	\$0.70	\$29,927.50	\$0.77
PENDER	\$17,882.16	\$1.79	\$17,670.00	\$2.04
PE/CH/GA*	\$20,019.10	\$2.67	\$12,744.00	\$5.95
PERSON	\$14,869.50	\$0.65	\$25,655.49	\$0.74
PITT	\$65,000.00	\$0.59	\$70,000.00	\$0.57
POLK	\$7,494.00	\$2.50	\$8,979.60	\$0.70
RANDOLPH	\$58,080.00	\$0.73	\$77,896.00	\$0.64
RICHMOND	\$11,200.00	\$1.24	\$47,286.91	\$1.44
ROCKINGHAM	\$62,653.63	\$0.96	\$39,254.30	\$1.78
ROBESON	\$76,237.00	\$1.47	\$76,237.00	\$3.61
ROWAN	\$50,652.00	\$3.77	\$65,376.00	\$0.94
RUTHERFORD	\$42,952.68	\$1.57	\$45,767.62	\$1.52
SAMPSON	\$29,000.00	\$0.19	\$9,410.99	\$9.79
SCOTLAND	\$15,368.32	\$1.18	\$25,115.00	\$1.41
STANLEY	\$45,000.00	\$3.52	N/D	N/D
STOKES	\$15,030.70	\$0.90	\$12,968.00	\$0.87
SURRY	\$32,985.00	\$0.46	\$33,483.00	\$0.37
SWAIN	NO DATA	\$0.00	\$8,170.00	\$1.00
TRANSYLVA	\$17,488.00	\$2.21	\$10,240.00	\$2.84
TYRRELL	\$8,600.00	\$4.28	\$4,511.30	\$1.73
UNION	\$116,483.00	\$1.33	\$82,267.00	\$1.21
VANCE	\$14,687.50	\$0.67	\$36,487.74	\$1.75
WAKE	\$206,188.00	\$1.00	\$459,725.00	\$1.74

COUNTY	-----1990-1991-----		-----1991-1992-----	
	TOTAL COSTS	COST PER TIRE	TOTAL COSTS	COST PER TIRE
WARREN	\$14,385.38	\$0.36	\$13,833.00	\$1.07
WASHINGTON	\$13,500.00	\$0.97	\$15,762.50	\$0.86
WATAUGA	\$19,003.60	\$0.88	\$19,725.26	\$1.12
WAYNE	\$30,594.20	\$1.50	\$95,447.40	\$1.19
WILKES	\$40,469.89	\$0.78	\$29,188.37	\$1.87
WILSON	\$45,450.00	\$0.50	\$47,842.50	\$0.20
YADKIN	\$15,338.00	\$2.36	\$38,572.33	\$1.58
YANCY	\$11,877.00	\$1.01	\$15,640.85	\$0.97
TOTALS	\$4,070,463.63		\$4,902,101.09	
AVERAGES	\$41,963.54	\$1.29	\$50,021.44	\$1.61

-----ABOVE AVERAGE-----

COUNTY	COST/TIRE		
HYDE	\$1.63		
CURRITUCK	\$1.65		
HALIFAX	\$1.68		
CRAVEN	\$1.68		
GREENE	\$1.69		
TYRRELL	\$1.73		
WAKE	\$1.74		
VANCE	\$1.75		
ROCKINGHAM	\$1.78		
CHEROKEE	\$1.85		
WILKES	\$1.87		
PENDER	\$2.04		
LEE	\$2.30		
CUMBERLAND	\$2.77		
TRANSYLVA	\$2.84		
HERTFORD	\$3.24		
ROBESON	\$3.61		
MOORE	\$4.02		
HARNETT	\$5.24		
PE/CH/GA*	\$5.95		
NORTHAMPTON	\$8.76		
SAMPSON	\$9.79		
BERTIE	\$12.88		
AVERAGE	\$1.61		

Table 4 Percentage of county tire program expenses met by the 1% State tire disposal tax revenue received July 1991 - June 1992

COUNTY	SHARE OF 1% TAX RECEIVED	COST OF TIRE PROGRAM	PERCENT OF COSTS COVERED
ALAMANCE	\$54,202.00	\$83,442.00	65%
ALEXANDER	\$14,839.68	\$13,905.80	107%
ALLEGHENY	\$2,642.72	\$5,096.25	52%
ANSON	\$13,223.88	\$17,047.60	78%
ASHE	\$12,050.00	\$10,361.75	116%
AVERY	\$8,400.36	\$9,462.65	89%
BEAUFORT	\$23,901.00	\$51,895.00	46%
BERTIE	\$10,989.53	\$7,729.65	142%
BLADEN	\$25,000.00	\$33,000.00	76%
BRUNSWICK	\$29,001.02	\$31,015.82	94%
BUNCOMBE	\$98,327.00	\$137,517.60	72%
BURKE	\$39,000.00	\$79,000.00	49%
CABARRUS	\$52,925.47	\$66,707.78	79%
CALDWELL	\$39,969.00	\$43,050.00	93%
CAMDEN	\$3,334.68	\$2,838.00	118%
CARTERET	\$28,140.61	\$28,155.00	100%
CASWELL	\$11,268.09	\$7,179.60	157%
CATAWBA	\$67,044.75	\$111,381.00	60%
CHATHAM	\$21,959.00	\$34,091.00	64%
CHEROKEE	\$11,405.43	\$27,750.00	41%
CLAY	\$4,924.00	\$3,584.00	137%
CLEVELAND	\$47,850.87	\$79,163.93	60%
COLUMBUS	\$27,976.39	N/D	N/D
CRAVEN	\$43,866.12	\$56,652.00	77%
CUMBERLAND	\$146,769.00	\$366,825.00	40%
CURRITUCK	\$5,709.96	\$5,034.00	113%
DARE	\$12,975.00	\$29,592.50	44%
DAVIDSON	\$67,873.70	\$103,815.70	65%
DAVIE	\$19,175.00	\$24,272.30	79%
DUPLIN	\$21,669.15	\$67,762.28	32%
DURHAM	\$96,816.77	\$131,762.00	73%
EDGECOMB	\$31,959.00	\$31,959.00	100%
FORSYTH	\$150,439.00	\$242,592.00	62%
FRANKLIN	\$19,562.00	\$13,071.88	150%
GASTON	\$99,040.56	\$101,017.96	98%
GRAHAM	\$2,650.00	\$6,160.00	43%
GRANVILLE	\$21,743.61	\$36,977.97	59%
GREENE	\$8,693.54	\$15,131.68	57%
GUILFORD	\$185,392.59	\$157,123.47	118%
HALIFAX	\$31,000.00	\$6,037.55	513%
HARNETT	\$33,986.00	\$37,550.00	91%
HAYWOOD	\$26,508.94	\$40,747.80	65%
HENDERSON	\$39,270.00	\$37,280.00	105%
HERTFORD	\$12,706.21	\$15,725.50	81%
HOKE	\$12,905.55	\$19,206.16	67%
HYDE	\$2,925.78	\$4,876.00	60%

COUNTY	SHARE OF 1% TAX RECEIVED	COST OF TIRE PROGRAM	PERCENT OF COSTS COVERED
IREDELL	\$52,619.00	\$94,086.00	56%
JACKSON	\$14,461.73	\$12,759.30	113%
JOHNSTON	\$43,688.03	\$66,941.02	65%
JONES	\$5,103.00	\$18,000.00	28%
LEE	\$18,544.05	\$22,467.98	83%
LENOIR	\$32,029.88	\$41,014.70	78%
LINCOLN	\$26,922.00	\$52,000.00	52%
MACON	\$9,742.00	\$14,093.00	69%
MADISON	\$9,134.71	\$12,511.05	73%
MARTIN	\$14,147.00	\$19,236.00	74%
MCDOWELL	\$20,154.91	\$24,195.15	83%
MECKLENBU	\$290,248.73	\$187,623.02	155%
MITCHELL	\$9,943.00	\$14,130.15	70%
MONTGOMERY	\$13,179.59	\$21,468.71	61%
MOORE	\$35,282.00	\$42,810.00	82%
NASH	\$34,674.00	\$9,544.00	363%
NEW HANOVER	\$60,316.42	\$109,472.52	55%
NORTHAMPTON	\$11,883.00	\$10,500.00	113%
ONSLow	\$101,141.80	\$137,264.65	74%
ORANGE	\$50,090.00	\$82,252.00	61%
PAMLICO	\$6,434.00	N/D	N/D
PASQUOTANK	\$16,164.90	\$29,927.50	54%
PENDER	\$15,418.33	\$17,670.00	87%
PE/CH/GA*	\$18,812.10	\$12,744.00	148%
PERSON	\$17,055.23	\$25,655.49	66%
PITT	\$55,000.00	\$70,000.00	79%
POLK	\$7,812.62	\$8,979.60	87%
RANDOLPH	\$57,000.00	\$77,896.00	73%
RICHMOND	\$24,010.00	\$47,286.91	51%
ROCKINGHAM	\$59,143.82	\$39,254.30	151%
ROBESON	\$56,678.53	\$76,237.00	74%
ROWAN	\$62,609.00	\$65,376.00	96%
RUTHERFORD	\$30,687.12	\$45,767.62	67%
SAMPSON	\$26,674.12	\$9,410.99	283%
SCOTLAND	\$18,171.00	\$25,115.00	72%
STANLEY	N/D	N/D	N/D
STOKES	\$21,072.39	\$12,968.00	162%
SURRY	\$33,168.00	\$33,483.00	99%
SWAIN	\$6,013.76	\$8,170.00	74%
TRANSYLVIA	\$13,786.00	\$10,240.00	135%
TYRRELL	\$2,106.84	\$4,511.30	47%
UNION	\$47,745.76	\$82,267.00	58%
VANCE	\$20,935.24	\$36,487.74	57%
WAKE	\$240,649.00	\$459,725.00	52%
WARREN	\$9,763.00	\$13,833.00	71%
WASHINGTON	\$7,549.27	\$15,762.50	48%
WATAUGA	\$20,932.74	\$19,725.26	106%

COUNTY	SHARE OF 1% TAX RECEIVED	COST OF TIRE PROGRAM	PERCENT OF COSTS COVERED
WAYNE	\$55,601.62	\$95,447.40	58%
WILKES	\$33,546.59	\$29,188.37	115%
WILSON	\$35,406.77	\$47,842.50	74%
YADKIN	\$16,359.60	\$38,572.33	42%
YANCY	\$6,278.66	\$15,640.85	40%
TOTALS	\$3,637,903.82	\$4,902,101.09	
AVERAGES	\$37,121.47	\$50,021.44	74%

Table 5 Tire tip fees charged by North Carolina counties in
1990 - 1991, 1991 - 1992, and 1992 - 1993

COUNTY	-----1990-1991-----		---1991-1992-----		1992-1993
	TIP FEES	TOTAL RECEIPTS	TIP FEES	TOTAL RECEIPTS	TIP FEES
ALAMANCE	\$0.20	\$19,930.20	\$0.20	\$22,126.40	\$0.20
ALEXANDER	\$0.75	\$3,219.00	\$0.75	\$6,221.86	\$0.00
ALLEGHENY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ANSON	\$0.30	\$4,050.00	\$0.30	\$4,971.60	\$0.30
ASHE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AVERY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BEAUFORT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BERTIE	\$0.90	\$2,620.00	\$0.90	\$18.50	\$0.00
BLADEN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BRUNSWICK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BUNCOMBE	\$0.75	\$0.00	\$0.00	\$0.00	\$0.00
BURKE	\$0.75	\$38,000.00	\$0.50	\$40,000.00	\$0.50
CABARRUS	\$0.55	\$0.00	\$0.00	\$0.00	\$0.00
CALDWELL	\$0.70	\$3,769.60	\$0.00	\$0.00	\$0.00
CAMDEN	\$1.00	\$50.00	\$0.00	\$0.00	\$0.00
CARTERET	\$0.00	\$1,000.00	\$0.00	\$0.00	\$0.00
CASWELL	\$2.00	\$243.40	\$0.15	NO DATA	\$0.15
CATAWBA	\$0.00	\$0.00	\$0.20	\$24,610.07	\$0.20
CHATHAM	\$1.00	\$2,400.00	\$1.00	\$5,329.00	\$0.40
CHEROKEE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.50
CLAY	\$1.00	\$138.00	\$0.00	\$0.00	\$0.00
CLEVELAND	\$0.12	\$5,909.52	\$0.30	\$8,521.04	\$0.30
COLUMBUS	\$0.80	\$1,940.27	\$0.35	\$2,107.22	\$0.35
CRAVEN	\$0.25	\$5,334.00	\$0.25	\$11,001.85	\$0.25
CUMBERLAN	\$0.80	\$53,940.70	\$1.75	\$47,922.00	\$1.75
CURRITUCK	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DARE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DAVIDSON	\$0.35	\$30,524.84	\$0.30	\$35,942.00	\$0.30
DAVIE	\$1.00	\$5,495.00	\$0.45	\$4,470.05	\$0.45
DUPLIN	\$0.75	\$4,810.00	\$0.75	\$5,048.85	\$0.27
DURHAM	\$1.00	\$42,934.40	\$0.40	\$55,376.60	\$0.27
EDGECOMB	\$0.63	\$3,500.00	\$0.00	\$0.00	\$0.00
FORSYTH	\$0.50	\$22,418.87	\$0.54	\$47,996.00	\$0.54
FRANKLIN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GASTON	\$0.50	\$18,734.00	\$0.50	\$15,204.74	\$0.50
GRAHAM	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GRANVILLE	\$0.20	\$6,000.00	\$0.20	\$4,983.60	\$0.20
GREENE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
GUILFORD	\$0.40	\$11,034.00	\$0.25	\$0.00	\$0.10
HALIFAX	\$1.00	\$3,307.00	\$1.00	\$2,791.00	\$0.00
HARNETT	\$1.00	\$4,218.50	\$1.00	\$3,564.00	\$0.50
HAYWOOD	\$1.00	\$1,087.00	\$0.00	\$0.00	\$0.00
HENDERSON	\$0.50	\$11,500.50	\$0.25	\$11,696.00	\$0.25
HERTFORD	\$0.00	\$0.00	\$0.50	\$100.00	\$0.50
HOKE	\$0.00	\$0.00	\$0.75	\$5,587.50	\$0.75
HYDE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

COUNTY	-----1990-1991-----		---1991-1992-----		1992-1993
	TIP FEES	TOTAL RECEIPTS	TIP FEES	TOTAL RECEIPTS	TIP FEES
IREDELL	\$0.50	\$31,653.50	\$0.30	\$23,289.00	\$0.30
JACKSON	\$0.50	\$61.20	\$0.00	\$0.00	\$0.00
JOHNSTON	\$1.00	\$8,093.00	\$0.18	\$497.68	\$0.20
JONES	\$1.00	\$282.00	\$1.00	\$243.00	\$0.50
LEE	\$1.00	\$5,502.00	\$1.00	\$3,919.50	\$0.75
LENOIR	\$0.60	\$5,255.56	\$0.75	\$5,518.40	\$0.00
LINCOLN	\$0.00	\$0.00	\$0.50	\$10,359.00	\$0.50
MACON	\$0.00	\$0.00	\$0.50	\$4,245.00	\$0.50
MADISON	\$0.38	\$1,290.30	\$0.25	\$1,190.75	\$0.00
MARTIN	\$0.50	\$2,651.00	\$0.00	\$0.00	\$0.00
MCDOWELL	\$0.80	\$540.40	\$0.66	\$579.60	\$0.80
MECKLINBU	\$1.00	\$0.00	\$1.00	\$0.00	\$1.00
MITCHELL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MONTGOMER	\$0.35	\$5,000.36	\$0.35	\$6,361.18	\$0.35
MOORE	\$1.00	\$4,721.00	\$1.00	\$7,528.00	\$0.00
NASH	\$1.00	\$750.00	\$1.00	\$1,480.00	\$1.00
NEW HANOV	\$0.55	\$15,164.84	\$0.30	\$49,323.40	\$0.40
NORTHHAMPTON	\$1.00	\$936.00	\$1.00	\$1,696.76	\$0.00
ONSLOW	\$1.00	\$10,586.00	\$0.00	\$0.00	\$0.25
ORANGE	\$1.00	\$22,410.00	\$1.00	\$8,100.00	\$0.50
PAMLICO	\$1.00	\$9,484.00	\$1.00	\$9,958.00	\$1.00
PASQUOTAN	\$0.00	\$131.00	\$1.00	\$3,188.00	\$1.00
PENDER	\$0.30	\$4,889.35	\$0.30	\$2,785.10	\$0.30
PERCIVAL	\$0.50	\$3,284.00	\$0.50	\$2,206.00	\$0.50
PERSON	\$0.00	\$0.00	\$0.14	\$4,867.66	\$0.20
PITT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
POLK	\$0.75	\$859.00	\$0.50	\$1,127.25	\$0.00
RANDOLPH	\$1.00	\$9,408.00	\$0.20	\$24,160.00	\$0.20
RICHMOND	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ROCKINGHAM	\$0.80	\$38,420.75	\$0.80	\$18,113.60	\$0.50
ROBESON	\$0.75	\$38,000.00	\$0.75	\$19,608.00	\$0.75
ROWAN	\$0.33	\$1,612.00	\$0.25	\$3,474.00	\$0.25
RUTHERFORD	\$0.50	\$13,658.50	\$0.78	\$15,080.50	\$0.78
SAMPSON	\$1.00	\$3,000.00	\$1.00	\$1,667.50	\$0.00
SCOTLAND	\$1.00	\$6,970.90	\$1.00	\$6,438.00	\$1.00
STANLEY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
STOKES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SURRY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SWAIN	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRANSYLVANIA	\$0.75	\$4,364.00	\$0.75	\$2,049.00	\$0.75
TYRRELL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
UNION	\$0.00	\$0.00	\$0.26	\$9,047.29	\$0.55
VANCE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WAKE	\$0.50	\$103,094.00	\$0.50	\$96,679.00	\$0.50
WARREN	\$0.00	\$0.00	\$0.75	\$3,977.00	\$0.75
WASHINGTON	\$0.50	\$3,254.15	\$0.40	\$7,087.00	\$0.40

COUNTY	-----1990-1991-----		---1991-1992-----		1992-1993
	TIP FEES	TOTAL RECEIPTS	TIP FEES	TOTAL RECEIPTS	TIP FEES
WATAUGA	\$0.10	\$780.00	\$0.10	\$1,241.10	\$0.10
WAYNE	\$1.00	\$11,919.25	\$0.00	\$3,308.75	\$0.00
WILKES	\$0.50	\$4,616.25	\$0.50	\$8,436.00	\$0.50
WILSON	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
YADKIN	\$0.75	\$2,881.50	\$0.75	\$2,638.50	\$0.25
YANCY	\$0.75	\$791.00	\$0.00	\$0.00	\$0.00
TOTALS		\$684,423.61		\$737,058.40	
AVERAGES	\$0.48	\$6,983.91	\$0.37	\$7,598.54	\$0.28

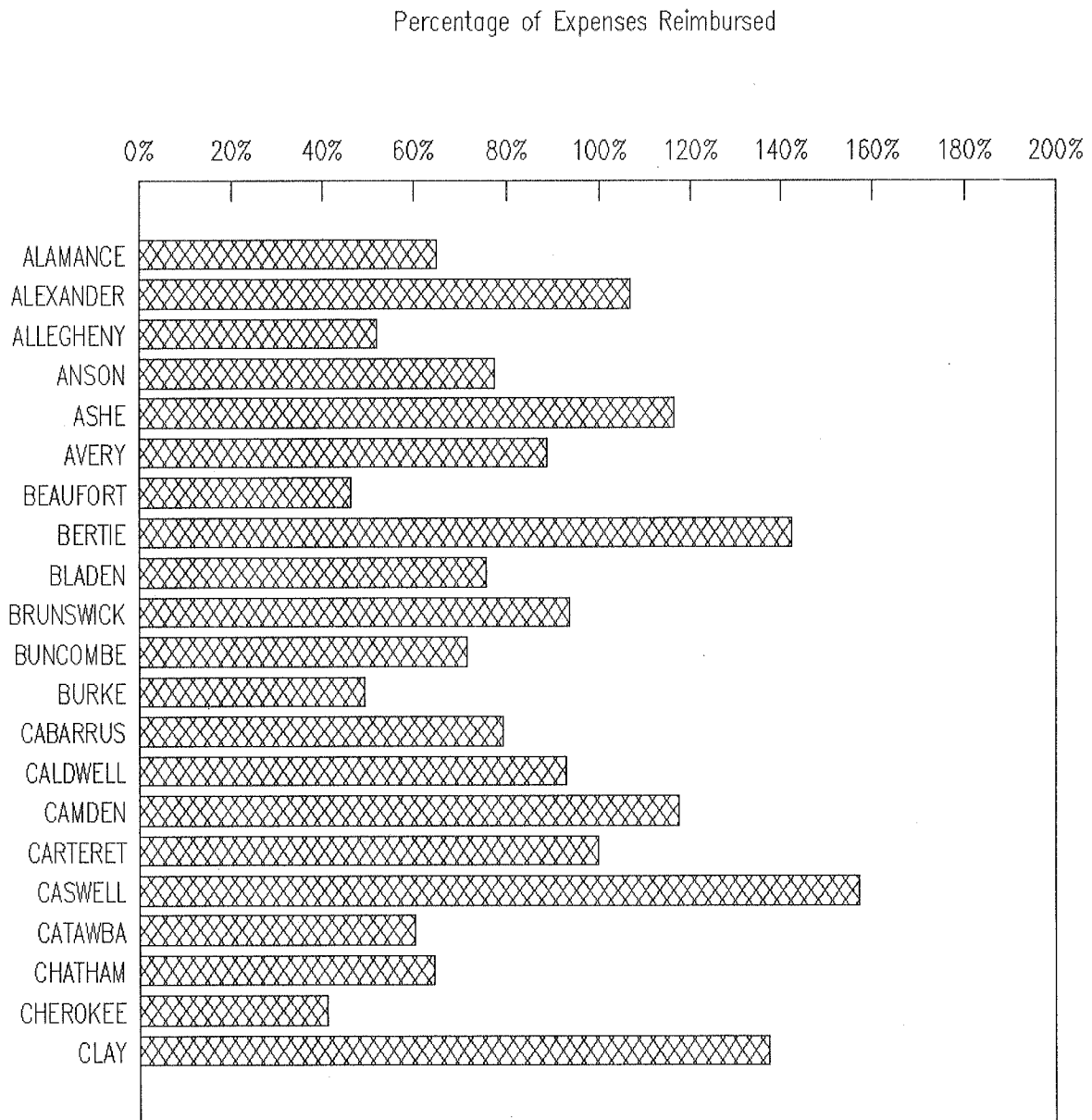
Table 6 Numbers of tires unaccounted in 1990 - 1991 and 1991 - 1992

County	-----1990-1991-----			-----1991-1992-----		
	Number of Tires Generated	Number Disposed	% Not Acct-ed	Number of Tires Generated	Number Disposed	% Not Acct
ALAMA	106,956	99,651	7%	109,119	110,626	-1%
ALEXA	28,035	12,000	57%	28,434	14,313	50%
ALLEG	9,992	6,186	38%	9,749	5,123	47%
ANSON	26,221	11,264	57%	23,144	13,456	42%
ASHE	23,486	13,148	44%	22,439	16,351	27%
AVERY	15,505	7,000	55%	14,946	10,000	33%
BEAUF	42,238	48,135	-14%	42,411	32,994	22%
BERT	21,009	1,200	94%	20,154	600	97%
BLADE	31,011	30,000	3%	29,065	64,440	-122%
BRUNS	51,535	65,273	-27%	52,721	337,183	-540%
BUNCO	175,580	150,000	15%	176,714	265,222	-50%
BURKE	77,759	101,000	-30%	76,793	75,000	2%
CABAR	97,295	45,888	53%	100,878	44,831	56%
CALDW	71,463	24,382	66%	70,941	52,997	25%
CAMDE	6,221	2,127	66%	5,987	2,397	60%
CARTE	51,464	20,007	61%	53,721	40,735	24%
CASW	22,200	3,000	86%	20,829	6,449	69%
CATAW	118,427	103,838	12%	119,837	161,400	-35%
CHATA	37,456	14,000	63%	39,358	23,829	39%
CHERO	21,146	10,000	53%	20,629	15,000	27%
CLAY	7,191	1,085	85%	7,295	4,217	42%
CLEVE	87,762	27,626	69%	85,304	60,086	30%
COLUM	52,720	14,000	73%	49,904	19,167	62%
CRAVE	82,513	100,800	-22%	82,489	33,697	59%
CUMBE	263,515	720,000	-173%	279,995	132,634	53%
CURRI	14,305	6,234	56%	13,844	3,042	78%
DARE	22,789	20,468	10%	22,994	22,210	3%
DAVID	125,632	86,173	31%	129,631	120,313	7%
DAVIE	27,886	12,426	55%	28,396	18,495	35%
DUPLI	42,084	5,658	87%	40,616	74,334	-83%
DURHA	174,536	131,302	25%	186,540	131,000	30%
EDGE	59,274	25,000	58%	57,180	95,814	-68%
FORSY	266,721	275,760	-3%	267,237	455,064	-70%
FRANK	36,001	14,360	60%	37,738	23,916	37%
GASTO	174,227	31,213	82%	176,828	85,809	51%
GRAHA	7,097	850	88%	7,241	4,344	40%
GRANV	39,451	36,000	9%	39,202	24,918	36%
GREEN	16,478	8,200	50%	15,546	8,932	43%
GUILF	339,109	248,856	27%	349,764	317,145	9%
HALIF	56,761	1,807	97%	56,154	3,600	94%
HARNE	67,007	6,716	90%	68,278	7,166	90%
HAYWO	48,026	21,675	55%	47,775	29,000	39%

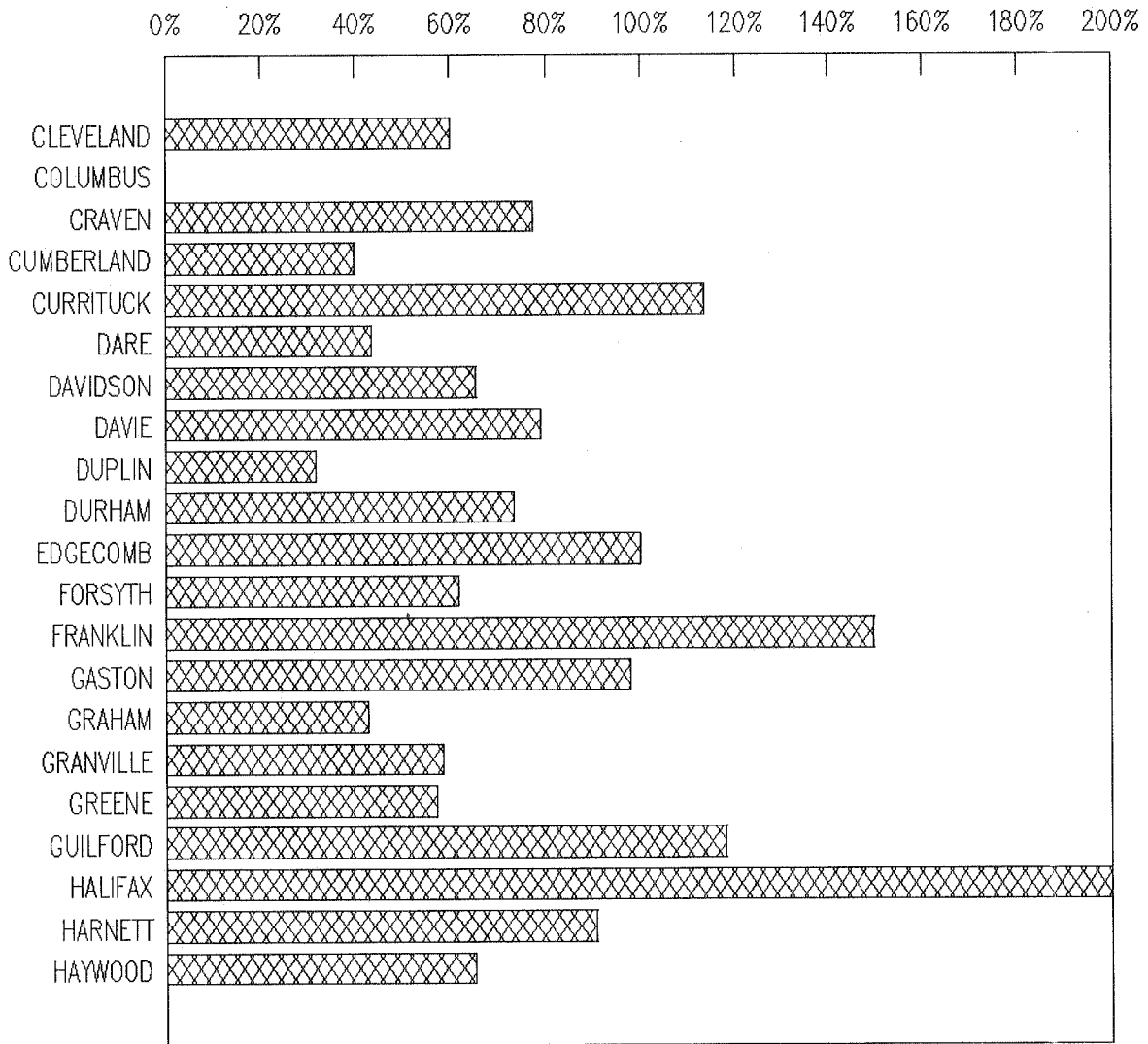
County	-----1990-1991-----			-----1991-1992-----		
	Number of Tires Generated	Number Disposed	% Not Acct-ed	Number of Tires Generated	Number Disposed	% Not Acct
HENDE	70,370	24,010	66%	71,185	25,100	65%
HERTF	23,423	20,000	15%	22,620	4,851	79%
HOKE	24,249	23,074	5%	22,886	16,885	26%
HYDE	5,678	2,328	59%	5,535	3,000	46%
IREDE	92,552	68,144	26%	96,384	110,700	-15%
JACK	27,392	6,936	75%	27,404	7,960	71%
JOHN	81,510	23,500	71%	83,977	47,600	43%
JONES	9,922	22,000	-122%	9,347	24,213	-159%
LEE	42,482	8,489	80%	41,845	9,755	77%
LENOI	59,996	27,231	55%	57,697	27,111	53%
LINCO	49,403	40,000	19%	50,966	63,100	-24%
MACON	23,849	15,308	36%	24,062	12,070	50%
MADIS	17,353	5,299	69%	17,069	10,400	39%
MARTI	26,062	11,311	57%	25,231	19,992	21%
MCDOW	36,429	22,000	40%	35,751	26,294	26%
MECKL	485,804	291,640	40%	524,463	305,886	42%
MITCH	14,615	6,748	54%	14,236	15,450	-9%
MONTG	24,550	14,217	42%	23,474	19,871	15%
MOORE	60,083	9,640	84%	60,083	10,640	82%
NASH	73,545	30,000	59%	77,668	13,758	82%
NEW HANOV	118,983	99,974	16%	123,309	124,958	-1%
NORTH	21,977	896	96%	20,818	1,199	94%
ONSLO	131,526	16,104	88%	152,865	147,215	4%
ORANG	90,922	22,410	75%	96,302	74,040	23%
PAMLI	10,952	11,182	-2%	11,458	7,081	38%
PASQU	31,433	30,750	2%	31,212	38,748	-24%
PENDE	27,982	10,000	64%	30,218	8,672	71%
PE/CH /GA*	34,754	7,500	78%	33,568	2,142	94%
PERSO	31,426	23,000	27%	30,280	34,769	-15%
PITT	103,889	110,000	-6%	109,904	123,800	-13%
POLK	15,040	3,000	80%	14,706	12,740	13%
RANDO	104,380	80,000	23%	107,946	120,800	-12%
RICHM	45,929	9,000	80%	44,839	32,870	27%
ROCKI	86,261	65,537	24%	86,152	22,000	74%
ROBES	107,640	52,000	52%	105,257	21,144	80%
ROWAN	108,031	13,418	88%	112,223	69,321	38%
RUTHE	58,222	27,317	53%	57,325	30,159	47%
SAMPS	50,749	150,000	-196%	47,962	961	98%
SCOTL	34,385	13,000	62%	34,211	17,851	48%
STANL	51,833	12,777	75%	52,342	58,037	-11%
STOKE	37,116	16,679	55%	37,881	14,903	61%
SURRY	62,481	72,000	-15%	62,387	91,312	-46%

County	-----1990-1991-----			-----1991-1992-----		
	Number of Tires Generated	Number Disposed	% Not Acct-ed	Number of Tires Generated	Number Disposed	% Not Acct
SWAIN	11,026	1,500	86%	11,191	8,170	27%
TRANS	26,336	7,900	70%	25,940	3,600	86%
TYRRE	4,196	2,011	52%	3,765	2,614	31%
UNION	86,396	87,600	-1%	86,398	67,900	21%
VANCE	39,217	21,900	44%	39,095	20,808	47%
WAKE	400,193	206,188	48%	442,803	264,686	40%
WARRE	16,607	40,000	-141%	17,329	12,916	25%
WASHI	14,506	13,975	4%	13,874	18,421	-33%
WATAU	35,262	21,640	39%	37,097	17,552	53%
WAYNE	100,311	20,357	80%	106,330	80,174	25%
WILKE	61,162	51,972	15%	60,378	15,649	74%
WILSO	65,961	90,900	-38%	66,443	236,165	-255%
YADKI	30,543	6,500	79%	31,018	24,476	21%
YANCY	16,005	11,716	27%	15,430	16,105	-4%
TOTAL	6,568,983	4,666,886		6,739,959	5,586,443	
AVG	67,030	47,621	29%	68,775	57,005	17%

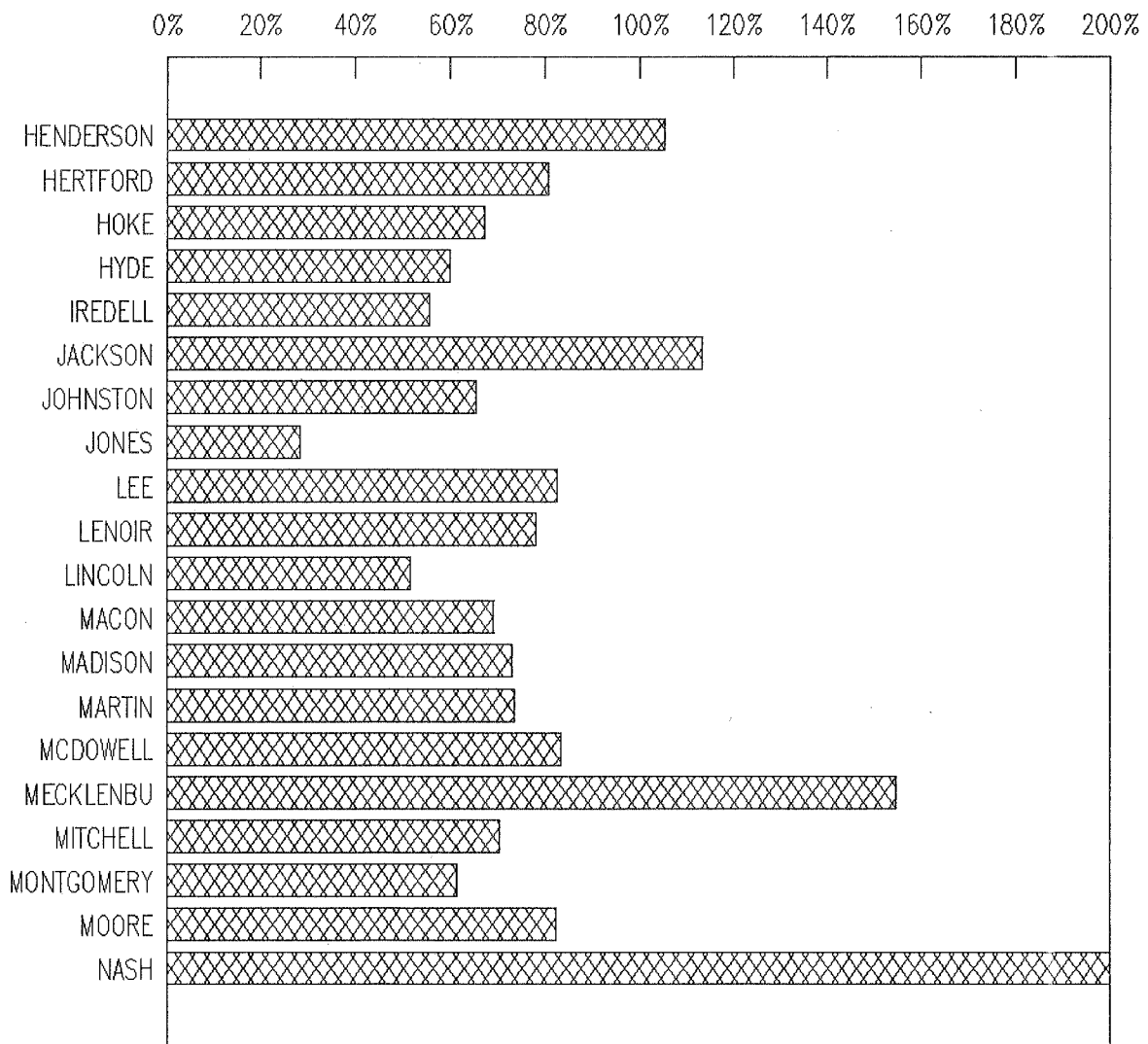
Fig. 1 Percentage of tire disposal costs reimbursed by revenue from the 1% disposal tax, as reported by North Carolina counties in 1991 - 1992.



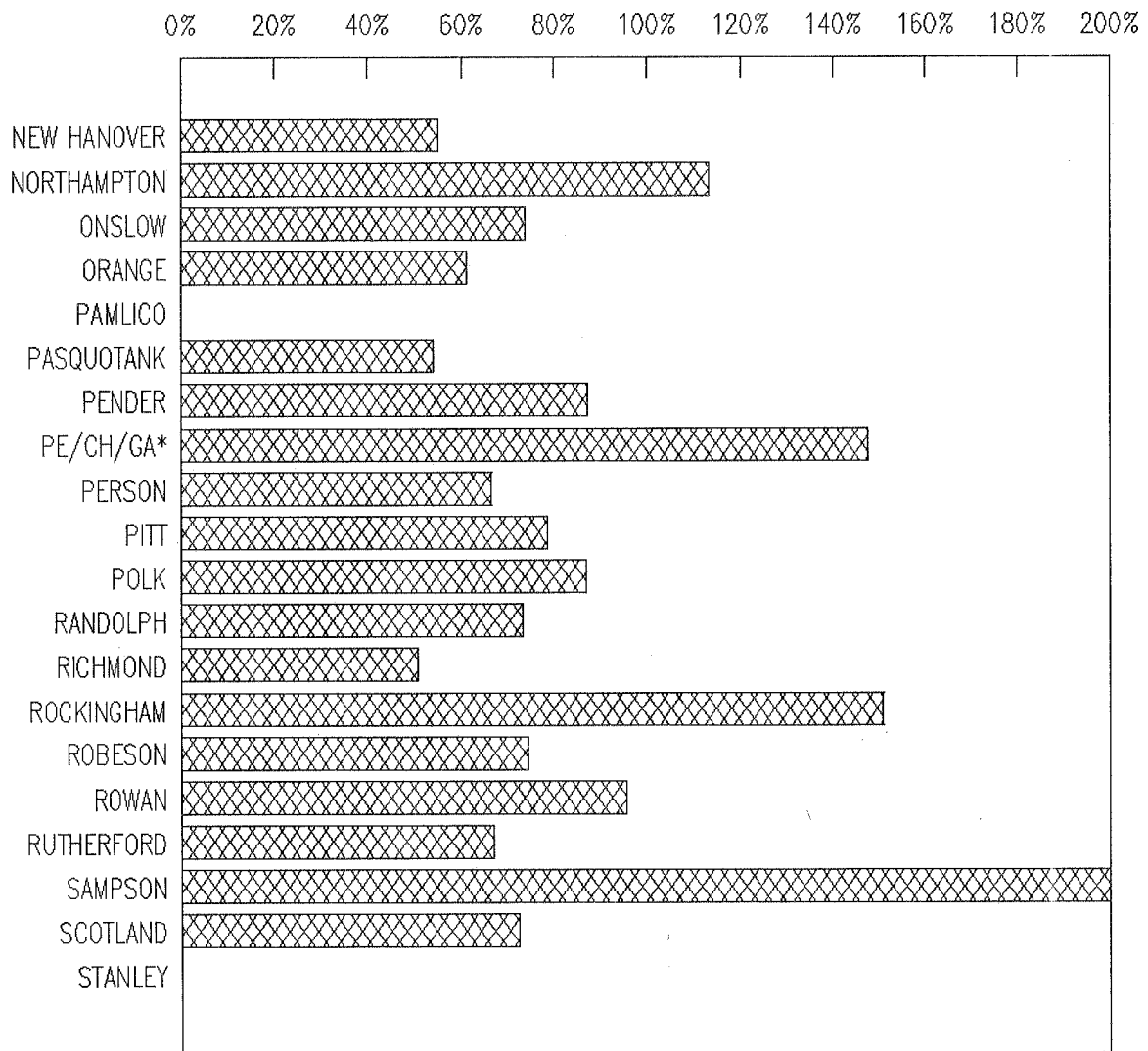
Percentage of Expenses Reimbursed



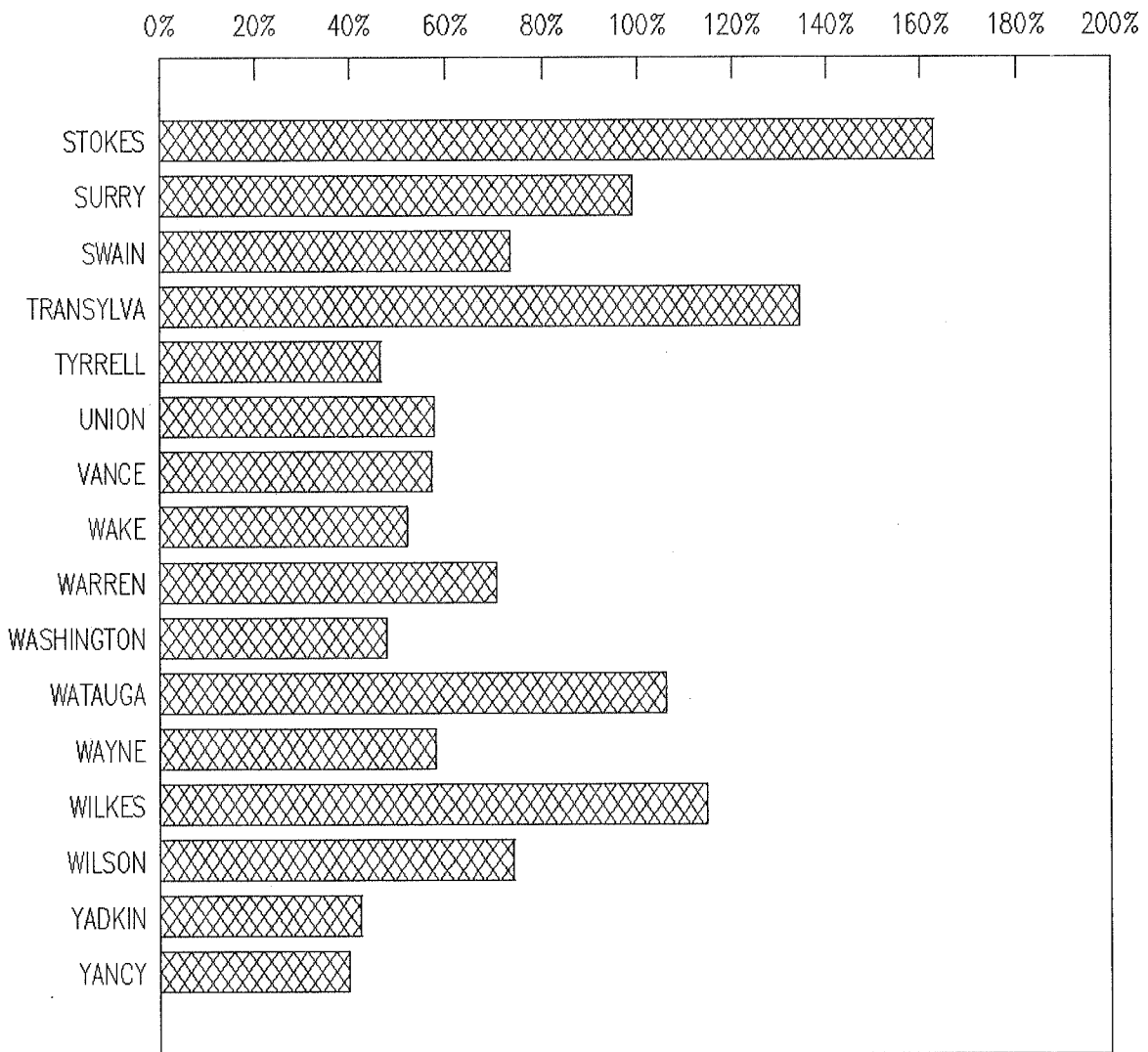
Percentage of Expenses Reimbursed



Percentage of Expenses Reimbursed



Percentage of Expenses Reimbursed



APPENDIX 2

Illegal Dump Sites in County Order
(TMRRP05)

Site No.	Nearest Town	No. of Tires	Location of Tires
** COUNTY: ALAMANCE			
SIT00001	BURLINGTON		200 SR70 (N. Church St.) across from Larry's Seafood and back off the road.
SIT00002	SWEPSONVILLE		600 SR54 towards Chapel. Right onto Alfred Road and about one mile to landfill on left.
** Subtotal **		800	
** COUNTY: ALEXANDER			
SIT00003	TAYLORSVILLE		50 One mile north on SR1420.
SIT00004	TAYLORSVILLE		100 Carolina Tire Co. Main Ave.
** Subtotal **		150	
** COUNTY: ANSON			
SIT00125	MORVEN	[NOV-4/91]	2800 PO BOX 228-OWNER-COY DEBERRY [SITE-SR1124, TEAL MORVEN, N.C. 28119 HALL RD-MORVEN]
SIT00141	WADESBORO		600 E.A. HIGHTOWER, JR. [AT NC742 SOUTH & SR1129 119 E. WADE ST. GO APPROX. 3 MILES SOUTH] WADESBORO, N.C. 28170
SIT00142	POLKTON		4000 WOODROW ASHCRAFT [NC742 NORTH-SR1452(RACETRACK RT 2 RD)RIGHT FOR 1.2 MILES-JUST BEFORE POLKTON, N.C. 28135 BRIDGE-LAST UNPAVED LEFT
SIT00143	WADESBORO		5000 JOHN AND MARGARET GOINS [SEE FILE-DIRECTIONS] 823 WILDWOOD STREET WADESBORO, N.C. 28170
SIT00144	MORVEN		10000 OWNERS: LILES, MCNAIR, DEBERRY, HENRY - ADDRESSES IN FILE, DIRECTIONS IN FILE
** Subtotal **		22400	
** COUNTY: BERTIE			
SIT00005	WINDSOR		125 Hopkins Tire Service- RT. 2, WINDSOR, N.C.
** Subtotal **		125	
** COUNTY: BLADEN			
SIT00006	ELIZABETHTOWN		1200 MERCER MILL ROAD SR1700.
SIT00007	ELIZABETHTOWN		200 HWY 701 NORTH.
SIT00059	ELIZABETHTOWN		10000 ELIZABETHTOWN SALVAGE COMPANY- (701N of E-town, RT 2 (919)862-3842 behind Cape Fear Tire) ELIZABETHTOWN, N.C. 28337

Illegal Dump Sites in County Order
(TMRRP05)

Site No.	Nearest Town	No. of Tires	Location of Tires
SIT00060	ELIZABETHTOWN	10000	WADE TAYLOR TIRE- (87W, behind Campbell Oil ELIZABETHTOWN, N.C. 28337 propane bulk tanks) (919)862-2485
SIT00061	ELIZABETHTOWN	0	BLADEN TIRE COMPANY - UNKNOWN AMOUNT ELIZABETHTOWN, N.C. 28337 (919)862-3127
** Subtotal **		21400	
** COUNTY: BRUNSWICK			
SIT00075	NAVASSA	400	LINCOLN DEVELOPMENT CO. (919)343-0325 P.O. BOX 2021 - 228 N. FRONT ST. WILMINGTON, N.C. 28402
SIT00076	CALABASH	700	CLAUDIA & MARIE LONG - (919)287-6690 THOMASBORO, N.C.
SIT00160	NAVASSA	100000	3 miles North of Navassa on SR 1426- 1/2 mile off road-Louis Willis, owner
** Subtotal **		101100	
** COUNTY: BURKE			
SIT00093	GLEN ALPINE	6000	LLOYD S. ABERNATHY (704)437-2055 -(70W TO GLEN ALPINE CROSS RR TRACKS, TURN RIGHT BESIDE P.O., THIS ROAD DEAD ENDS-TIRES BEHIND OLD HOUSE]
SIT00153	CONNELLY SPRINGS	4000	4457 Gilead Church Rd., Connelly Springs, NC 28612 S.R. 1905
** Subtotal **		10000	
** COUNTY: CABARRUS			
SIT00008	CONCORD	100	Ed Hatley's Tire Recapping Old Salsburg Concord Road 2 miles from town.
SIT00009	CONCORD	100	Punch Whitter Tire Store Hwy 29 South.
SIT00010	CONCORD	100	Meisler Road off Gold Hill Road 2 miles from town.
** Subtotal **		300	
** COUNTY: CALDWELL			
SIT00115	GRANITE FALLS	5000	KEN CRUMP-LANDOWNER-(704)396-2301 171 N. MAIN STREET [ROCK QUARRY TIRE/DEMOLITION GRANITE FALLS, N.C. 28630 SITE]
** Subtotal **		5000	
** COUNTY: CAMDEN			
SIT00106	CAMDEN	3000	ONE HALF MILE FROM THE PASQUOTANK RIVER BRIDGE ON HWY 158E ON LEFT
SIT00149	ELIZABETH CITY	8000	HWY 158 East-1/2 mile E. of Elizabeth City-can't

Illegal Dump Sites in County Order
(TMRRP05)

Site No.	Nearest Town	No. of Tires	Location of Tires
			see in summer-1/2 to 1 acre-[NOTE: Albemarle Res/Con & Dev.]
** Subtotal **		11000	
** COUNTY: CARTERET			
SIT00097	SMYRNA	90000	EASTERN OIL & TIRE - GEORGE E. WHEATLY HWY 70 EAST (919)729-2921 SMYRNA, N.C. 28579
** Subtotal **		90000	
** COUNTY: CHATHAM			
SIT00126	BONLEE [NOV-10/91]	1000	ANDREW BURKE [SITE-MARY WALTERS PROPERTY-CORNER 1176 OLD BRIDGE RD. US421N & SR 2120 FT. MEYERS, FLA 33917 IN A CHICKEN HOUSE]
SIT00137	PITTSBORO	400000	BYRON JONES [SEE FILE-DIRECTIONS] RT 5 BOX 85 PITTSBORO, N.C. 27312
** Subtotal **		401000	
** COUNTY: CHOWAN			
SIT00105	EDENTON	5000	WINGFIELD ROAD DUMP OWNERS: GILBERT HARE OR SR 1228(WINGFIELD RD) JOHN PARKER N. OF EDENTON
** Subtotal **		5000	
** COUNTY: COLUMBUS			
SIT00062	WHITEVILLE	30000	MARL PIT ROAD IN PIERCE AND COMPANY TRACT
SIT00063	WHITEVILLE	30000	MARL PIT AT HIGHWAY 130 AND SR 1001
SIT00064	WHITEVILLE	30000	JACK WHITE SPUR-GREEN SWAMP
SIT00065	WHITEVILLE	30000	NETTLE HILL ROAD OFF BIG ISLAND AT OLD GATE LOCATION
SIT00066	WHITEVILLE	30000	CROSS SWAMP ROAD AT END OFF AT OLD LOG DECK
SIT00067	WHITEVILLE	30000	GUM SWAMP (CRUSOE SIDE) FIRST RIGHT, THEN RIGHT
SIT00068	WHITEVILLE	30000	(BAY ROAD) BEHIND ELMOR'S HOUSE (JACK WHITE ROAD)
SIT00069	WHITEVILLE	30000	FIRST ONE LANE ROAD ON LEFT, BIG ISLAND ROAD LEAVING OLD DOCK
SIT00070	WHITEVILLE	30000	L.P. WARD TRACT, ROAD THROUGH THINNED AREA
SIT00071	WHITEVILLE	30000	DALE CURRY NORTH POWER LINE

Illegal Dump Sites in County Order
(TMRP05)

Site No.	Nearest Town	No. of Tires	Location of Tires
** Subtotal **			
		300000	
** COUNTY: CRAVEN			
SIT00011	BRIDGETON		100 Union 76 Station, at bridge on Hwy 17 North.
SIT00012	NEW BERN		400 White's Tire Service. 2813 Neuse Blvd.
SIT00094	FT. BARNWELL	3000	WHITE SITE SR 1472 (LOOP ROAD) OFF OF HWY 55 AT FT. BARNWELL
** Subtotal **			
		3500	
** COUNTY: CUMBERLAND			
SIT00013	FAYETTEVILLE	5000	Prestige Tire and Auto. 4021 Murchison Rd.
SIT00014	FAYETTEVILLE	200	McLamb's Auto Salvage. 4429 Murchison Rd.
SIT00072	FAYETTEVILLE	3000	DERRY BLACKWELL AND ST. MARY'S COLLEGE WATERLESS & WHITFIELD STREETS FAYETTEVILLE, N.C.
SIT00073	FAYETTEVILLE	5000	ROWLANDS PIT SHOP 301 SOUTH
SIT00074	FAYETTEVILLE	3000	TRIPLE A CONSTRUCTION CO.-LOCATED OFF SNOW HILL'S AIRPORT CONNECTOR RD. FATETTEVILLE, N.C.
** Subtotal **			
		16200	
** COUNTY: DAVIDSON			
SIT00150	LEXINGTON	3000	DAVIDSON RECYCLING 1 CEDAR LANE DRIVE LEXINGTON, NC
SIT00151	LINWOOD	20000	Rt.1, Box 101, Linwood, NC 27299 - off Sowers Rd(SR 1139) 0.8 mile SE of Sowers Rd & Simerson Rd intersection
** Subtotal **			
		23000	
** COUNTY: DAVIE			
SIT00152	MOCKSVILLE	500	Rt. 4, Box 118, Mocksville, NC 27028 JAMES CLIFTON ARNOLD
** Subtotal **			
		500	
** COUNTY: DUPLIN			
SIT00015	KENANSVILLE	200	2 miles south of Kenansville on Hwy 11 at inter- section with SR1959 and 903.
SIT00016	ROSE HILL	200	At 66 Station at the intersection of Hwy 117 and East Main Sreet.

Illegal Dump Sites in County Order
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Site No.	Nearest Town	No. of Tires	Location of Tires
SIT00017	WARSAW	100	On Hwy 24 about 3 miles west of Warsaw on the right.
SIT00018	BEULAVILLE	100	On Hwy 24 about 3 miles west of Beulaville near intersection of SR1720 and 24.
SIT00019	BEULAVILLE	100	On Hwy 24 about 1/2 mile west of Beulaville on the left.
SIT00020	WALLACE	100	At corner of Hwy 117 and E. Murray St.
SIT00021	WALLACE	0	UNKNOWN AMT.-About 1 mile south/Wallace on Hwy 117 east side behind trailer. Property is owned by Robert Butler
SIT00077	ROSE HILL	2000	NC SR 1931, CHARLES TEACHEY RD. ROSE HILL
SIT00078	CHINQUAPIN	500	NORRIS' TIRE SERVICE - (919)285-3177 NC 41 CHINQUAPIN
SIT00079	BEULAVILLE	3000	SANDLINS' TIRE SERVICE (919)298-5782 NC 41 BEULAVILLE, N.C.
** Subtotal **		6300	
** COUNTY: EDGECOMBE			
SIT00022	CRISP	25000	Off Rural Paved Road 1611 two miles east of Crisp.
** Subtotal **		25000	
** COUNTY: GASTON			
SIT00158	GASTONIA	1000	440 B Freedom Mill Rd.-Gastonia, NC 28053-I-85 to Gstna-Bessmer City ext to lght,left Shannon Brdly to 29/74west-left Sparrow Sprng-Chesnut-nxt paved
** Subtotal **		1000	
** COUNTY: GATES			
SIT00024	GATESVILLE	250	Gatesville Rubber Co. SR37 one quarter mile north of Gatesville School.
** Subtotal **		250	
** COUNTY: GREENE			
SIT00025	SNOW HILL/WALSTONBURG	1500	Along the Contentnea Creek from Snow Hill to Walstonburg near SR1225. BRUCE TINGLE 919- 8181
SIT00101	WALSTONBURG	500000	FRANK BARNHILL SITE (919)747-3367 ROUTE 1, BOX 50-B WALSTONBURG, N.C. 27888
** Subtotal **		501500	
** COUNTY: HALIFAX			
SIT00026	ROANOKE RAPIDS	500	Hwy 158, 4 miles west of RR.

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Site No.	Nearest Town	No. of Tires	Location of Tires
SIT00027	LITTLETON	200	RT.4, - 4 MILES EAST OF LITTLETON.
SIT00028	ENFIELD	500	HWY 301 SOUTH OF HALIFAX.
SIT00109	HALIFAX/ENFIELD	20000	JERYL A. JONES-LANDOWNER (919)445-3170 RFD 1 (SITE-5 MILES N./ENFIELD ON US301, AUTO HALIFAX, N.C. 27839 SALVAGE YARD)
SIT00110	ROANOKE RAPIDS/RHEASVILLE	5000	BEATRICE BOWSER-LANDOWNER (SITE-4 MILES S. OF RT 2, BOX 97 RNK RPDS, HWY48) ROANOKE RAPIDS, N.C. 27870 [NOV-FRED WOODS]
SIT00111	HALIFAX	5000	GEORGE AND OLLIE HILL-LANDOWNER (609)893-3920 15 WHITE BOGGS RD (SITE-1/4 MILE E. OF NC HWY48, BROWNSFIELD, NJ ON SR1601) INVESTIGATED/SHERIFF
** Subtotal **		31200	
** COUNTY: HARNETT			
SIT00029	LILLINGTON	2000	At intersection of 401 and 210 at South edge of town.
SIT00127	SPRING LAKE [NOV-5/92]	3000	5001 HWY 210-R.H. ADAMS [SITE NEAR COUNTY LINE SPRING LAKE, N.C. 28390 w/HARNETT CO.]
SIT00128	BUNNLEVEL [NOV-5/91]	8000	RT 1 BOX 274-OWNER, LARRY PAUL [SEE FILE- BUNNLEVEL, N.C. 28323 DIRECTIONS]
SIT00129	FUQUAY VARINA [NOV-1/91]	100000	PO BOX 328-OWNER, ROY BALL [SITE-SR1450] FUQUAY VARINA 27526
SIT00130	LILLINGTON [NOV-1/91]	100000	PO BOX 632-OWNER, BOBBY SMITH [SEE FILE- LILLINGTON, N.C. 27546 DIRECTIONS]
SIT00138	HOLLY SPRINGS	45000	RT. 1 BOX 261-OWNER, ROY BALL [FILE-MAP] HOLLY SPRINGS, N.C. 27540
SIT00139	SANFORD	600	PO BOX 2021-OWNER, GENEVA HICKS 919-499-2737 SANFORD, N.C. 27330 [MAP-FILE]
** Subtotal **		258600	
** COUNTY: HENDERSON			
SIT00030	HENDERSONVILLE	1000	MAURICE HILL GARAGE. MT. OLIVE RD.
SIT00031	HENDERSONVILLE	2000	Harry Brummer. Brickyard Rd., Etowah. Attorney: George Saenger, 704-252-7381
** Subtotal **		3000	
** COUNTY: HYDE			
SIT00032	SWAN QUARTER	100	Demolition dump, 2 miles east of Swan Quarter on Oyster Creek Road.
SIT00033	ENGELHARD	100	Demolition dump, 1.5 miles E. of Engelhard on 264
** Subtotal **		200	

Illegal Dump Sites in County Order
(TMRRP05)

Site No.	Nearest Town	No. of Tires	Location of Tires
** COUNTY: IREDELL			
SIT00118	STATESVILLE	250000	L.L. GUY FARM ON ABNER ROAD IN WESTERN IREDELL COUNTY -
SIT00155	TROUTMAN	2000	Rt.1 Box 220, Rankin Hill Rd., Troutman, NC 28166 ROBERT LIPE PROPERTY
** Subtotal **		252000	
** COUNTY: JOHNSTON			
SIT00095	PINE LEVEL	3000	FRED MCCOY SITE - SR 2323 - 3 MILES EAST OF PINE LEVEL OFF OLD HWY 70
** Subtotal **		3000	
** COUNTY: LENOIR			
SIT00096	DEEP RUN	15000	BOBBY BENTON SITE - BOBBY BENTON ROUTE 5, BOX 281 DEEP RUN, N.C. 28525
** Subtotal **		15000	
** COUNTY: MADISON			
SIT00114	MARSHALL	2000	J & J TIRE RETREADING HWY. 25-70, MARSHALL BY-PASS
** Subtotal **		2000	
** COUNTY: MARTIN			
SIT00035	WILLIAMSTON	100	At the end of SR1421 on private property. About 2.5 miles north of Williamston on Hwy 125 to SR1421. Might need Sheriff's assistance.
SIT00036	WILLIAMSTON/ROBERSONVILLE	200	HWY 903 NORTH OF ROBERSONVILLE AT INTERSECTION OF HWY 93
SIT00112		20000	VIEW NICKELSON RD-DANNY NICKELSON
SIT00113	HAMILTON	10000	VAN TAYLOR HARRIS FARM - G.P. MAY BE OWNER (?) FARM LOCATED OFF 125 NEAR HAMILTON
** Subtotal **		30300	
** COUNTY: MCDOWELL			
SIT00116	MARION	2000	LOCATED ON PRIVATE PROPERTY AND A SMALL STREAM IS LOCATED CLOSE TO IT. COUNTY SITE #56-TA.
SIT00117	MARION	6000	SITE ON PRIVATE PROPERTY-MORE POPULATED AREA COUNTY SITE #56-TB.
** Subtotal **		8000	
** COUNTY: MECKLENBURG			
SIT00156	MT. HOLLY	6000	300-600 block Mt. Holly, Huntersville Rd.

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Site No.	Nearest Town	No. of Tires	Location of Tires
SIT00157	DERITA		500 6500 block of Rockwell Church Rd., in Derita
** Subtotal **		6500	
** COUNTY: MONTGOMERY			
SIT00161	UWHARRIE	[NOV-6/93]	2200 ON S.R. 1152 OFF S.R. 1150 SOUTH OF UWHARRIE on left about 100 feet off road near house
** Subtotal **		2200	
** COUNTY: MOORE			
SIT00131	VASS	[NOV-1/91]	10000 RT 2-OWNER, LIBBY PATTERSON [SITE-SKYLINE OFF VASS, N.C. 28394 SR2026]
** Subtotal **		10000	
** COUNTY: N.HAMPTON			
SIT00107	GARYSBURG		700 JEAN C THAXTON PROPERTY-OWNER-ADDRESS IN FILE 406 OLD HYWAY GARYSBURG, N.C.
SIT00108	GARYSBURG		500 RANDLE FLOYD PROPERTY OLD STABLE ON S.R. 1301 OLD GARYSBURG RD. SOUTH
** Subtotal **		1200	
** COUNTY: NASH			
SIT00037	ROCKY MOUNT		100 Intersection of I95 and SR1717 off end of SR1818.
** Subtotal **		100	
** COUNTY: ONSLOW			
SIT00080	JACKSONVILLE		5000 HOFFMAN FOREST 15 OR MORE LOCATIONS
SIT00081	JACKSONVILLE		500 INTERNATIONAL PAPER CO., HARDY GRAHAM ROAD
SIT00082	JACKSONVILLE		300 MARTHA CONWAY'S PROPERTY HWY 172, HUBERT
SIT00083	JACKSONVILLE		1000 WEYERHAUSER PROP., RIGGS ROAD
SIT00084	JACKSONVILLE		100 INTERNATIONAL PAPER CO., MURREL BROWN ROAD
SIT00085	JACKSONVILLE		2000 RICHLANDS, HWY 258
SIT00159	JACKONVILLE		7000 Dalton Site - Walton Rd.
** Subtotal **		15900	

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Site No.	Nearest Town	No. of Tires	Location of Tires
** COUNTY: ORANGE			
SIT00038	HILLSBOROUGH		400 Terrell's Tire Service. Hwy 70.
SIT00132	DURHAM	[NOV-7/92]	2000 RT. 2 BOX 579-OWNER, CLAYTON BREWER [SITE HWY70 DURHAM, N.C. 27705 NEARS HILLSBOROUGH]
** Subtotal **		2400	
** COUNTY: PENDER			
SIT00090	BURGAW		1000000 IRVIN CANADY TIRE DUMP SHAW HIGHWAY ON STATE ROAD 1520 ROCKY POINT, N.C.
** Subtotal **		1000000	
** COUNTY: RICHMOND			
SIT00133	ELLERBE	[NOV-7/92]	5000000 PEE RIDGE USED TIRES-OWNER, CRAWFORD PANKY RT. 2 BOX 210 [SEE FILE-DIRECTIONS] ELLERBE, 28338
SIT00136	ELLERBE		500 SR1163 BRIDGE-REPORTED BY KENT TRADER-919-776-9223ASSORTED SMALL PILES NEAR BRIDGE AND ALONG SR1163 (APPROX. 4 REPORTED PILES)
SIT00145	HAMLET ?		6000 HWY 177 SOUTH- SITE BEING CLEANED UP CRAWFORD PANKY-1500 ACRE SITE
** Subtotal **		5006500	
** COUNTY: ROBESON			
SIT00086	ST.PAULS		2000 CHARLIE DAVIS EDGE OF WET-LAND ABOUT ONE FOURTH MILE OFF STATE ROAD 2029
SIT00087	ST.PAULS		2000 CRAIG JOHNSON SITE ONE FOURTH MILE OFF STATE ROAD 1529
SIT00088	ST.PAULS		1000 JUNIOR CARK SITE
SIT00089	ST.PAULS		0 PARKTON SITE - Unknown Amount (?)
SIT00147	RED SPRINGS		6000 RED SPRINGS SITE-
SIT00148	FAIRMONT		6000
** Subtotal **		17000	
** COUNTY: SAMPSON			
SIT00091	CLINTON		21600 INEZ PETERSON (421S, RIGHT-PEARSON RD, LEFT-CRANE RT. 7 CREEK, APPROX 3-4 MILES ON RIGHT, CLINTON, N.C. 28328 DOWN DIRT PATH)
SIT00092	CLINTON		600 INEZ PETERSON (421S, RIGHT-PEARSON RD, LEFT-CRANE

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Site No.	Nearest Town	No. of Tires	Location of Tires
			RT. 7 CREEK RD, APPROX 3-4 MILES-ON CLINTON, N.C. 28328 LEFT-DOWN DIRT PATH)
** Subtotal **		22200	
** COUNTY: STANLY			
SIT00039	ALBERMARLE	200	BURRIS TIRE COMPANY NORTH 1ST ST.
SIT00040	LOCUST	1000	Brown's Hill Rd. Third large brick building on theright.
SIT00041	STANFIELD	1000	Rock Hole Road, on left before Rocky River.
** Subtotal **		2200	
** COUNTY: STOKES			
SIT00119	WALNUT COVE	7500	HWY 8 NORTH FROM W.S. TURN RGHT ON ROSEBUD RD. TO RGHT ON GREENFIELD ROAD ABOUT 1 MILE ON THE RIGHT OPERATOR - FRANKIE TUTTLE PENLAND
SIT00120	SANDY RIDGE	5000	STEELE RD. SITE -OPERATOR-FRANKIE TUTTLE PENLAND, HWY 704W FROM SANDY RIDGE TURN LEFT ON STEEL RD. GO TO END OF PAVEMENT. OWNER LIVES AT THIS SITE.
SIT00121	DILLARD	7500	DODGETOWN RD SITE-OPERATOR-FRANKIE TUTTLE PENLAND HWY 8N FROM W.S. TO MEADOWS-CROSS HWY 89 TO DODGE TOWN RD. CROSS DAN RIVER DUMP IS RT. TOP OF HILL.
SIT00122	WALNUT COVE	2000	HICKORY FORK SITE-J.H. & J.L. MITCHELL [311N- RT 3 BOX 394 CROSS RIVER, LEFT HICKORY FORK WALNUT COVE, N.C. 27052 RD-1/2 MILE/LEFT-GARAGE]
SIT00123	DANBURY	2000	JEWEL ROAD SITE-ALLIE RAY FULP-[HWY 8N/RGHT-JEWEL RT 1 BOX 446 RD-1 MILE/RGHT ON PRVT DR TO MIKE DANBURY, N.C. 26016 FULP HOUSE/LEFT DOWNHILL
** Subtotal **		24000	
** COUNTY: SURRY			
SIT00045	DOBSON	8000	HWY 268 IN THE COPELAND COMMUNITY.
SIT00046	DOBSON	3000	Off Hwy 601 in the Jenkinstown Community.
SIT00047	MT. AIRY	200	N. South Street.
** Subtotal **		11200	
** COUNTY: TRANSYLVAN			
SIT00048	PISGAH FOREST	700	CORNER OF OLD 64 AND ECUSTA ROAD.
SIT00049	BREVARD	200	CORNER OF OLD 64 AND US 64.
** Subtotal **		900	

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Site No.	Nearest Town	No. of Tires	Location of Tires
** COUNTY: UNION			
SIT00124	MARSHVILLE	3000	TRAYWICK'S AUTO PARTS-EILEEN N. TRAYWICK, OWNER ROUTE 3 [74E THROUGH MRSHVLL/LFT-GADDY RD/TIRES MARSHVILLE, N.C. ON RIGHT SIDE OF ROAD]
** Subtotal **		3000	
** COUNTY: WAKE			
SIT00050	RALEIGH	300	3708 LAKE DR. (OFF NEW HOPE RD.)
SIT00051	GARNER	125	Two miles south of Garner off Hwy 50, at intersection of SR2710 and SR2711. Covered with brush.
SIT00134	CREEDMORE [NOV-1/91]	2000	BOX 55-OWNER, JIMMY RAY [SITE-BOYLE MILL RD.] RT 3 BOYCE MILL RD. CREEDMORE, N.C. 25722
SIT00135	KNIGHTDALE [NOV-5/92]	1500	PO BOX 326-DOUGLAS R. MASSEY KNIGHTDALE, N.C. 27545
SIT00146	RALEIGH	1000	N.W. POOLE-919-266-9223 [BARWELL RD-BTWN POOLE RD RT 12 BOX 1 (SR1007) & ROCK QUARRY RALEIGH,N.C. 27610 RD(SR2542)]
** Subtotal **		4925	
** COUNTY: WASHINGTON			
SIT00102	ROPER	1200	L.L PHELPS TRUCKING (919)793-4950 64 BY-PASS ROPER, N.C. 27970
SIT00103	ROPER	1000	BILLY SKITTLEHARPE [TIRE IN WOODS @ BACK OF RT 1 FARM ON SR 1132, NEAR ROPER, N.C. 27970 AREA CALLED BACKWOODS RD]
SIT00104	ROPER	1000	HINES GARAGE [OLD JEB GAYLORD STORE RT 1 OWNER-ROY HINES, JR. ROPER, N.C. 27970 919-793-1213]
** Subtotal **		3200	
** COUNTY: WATAUGA			
SIT00052	BOONE	125	Stacey Ward's Junkyard. 421W left onto Old 321 At Watauga/Avery County line, left onto Beech Circle Rd, Tires are in junkyard about a mile
SIT00053	BOONE	100	Hayes Tire Service. 421E across from Rutherwood Baptist Church.
** Subtotal **		225	
** COUNTY: WILKES			
SIT00154	WILKESBORO	500	HWY 421 West, just outside city limits, near

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Site No.	Nearest Town	No. of Tires	Location of Tires
			Clayton Mobile Home Park
** Subtotal **		500	
** COUNTY: WILSON			
SIT00098	WILSON	1000	UPCHURCH ROAD SITE - 1/2 MILE WEST OF SR 1331 AND 1330, SOUTH SIDE OF 1330-(NOT VISIBLE FROM ROAD)
SIT00099	WILSON	700	FIRESTONE PARKWAY SITE -(MRS. HADLEY W. BLAKE & 1.25 MILES N. OF 1328 P.O. BOX 998 LOUISE FIKE & HWY 42 EAST WILSON, N.C. 27983)
SIT00100	LUCAMA	5000	SAM WOMBLE SITE-OWNER IS MRS. MARY HERRING S.R. 1655 ROUTE 2 (ATTY.-THOMAS R SALLENGER LUCAMA, N.C. 919-243-3171)
** Subtotal **		6700	
** COUNTY: YADKIN			
SIT00054	YADKINVILLE	3000	Baitap Tire Service. On service road.
SIT00055	YADKINVILLE	300	Bipe Tire. ST1725.
SIT00056	EAST BEND	300	Two miles south of Flint Mill Rd. on right of SR1573.
SIT00057	BOONVILLE	50	SPEER TIRE. HWY. 67 WEST.
SIT00058	HAMPTANVILLE	100	One mile north of SR1002 and Hwy. 21 on the left.
** Subtotal **		3750	
*** Total ***		8293425	