

# Recycling Market and Collection Trends in North Carolina

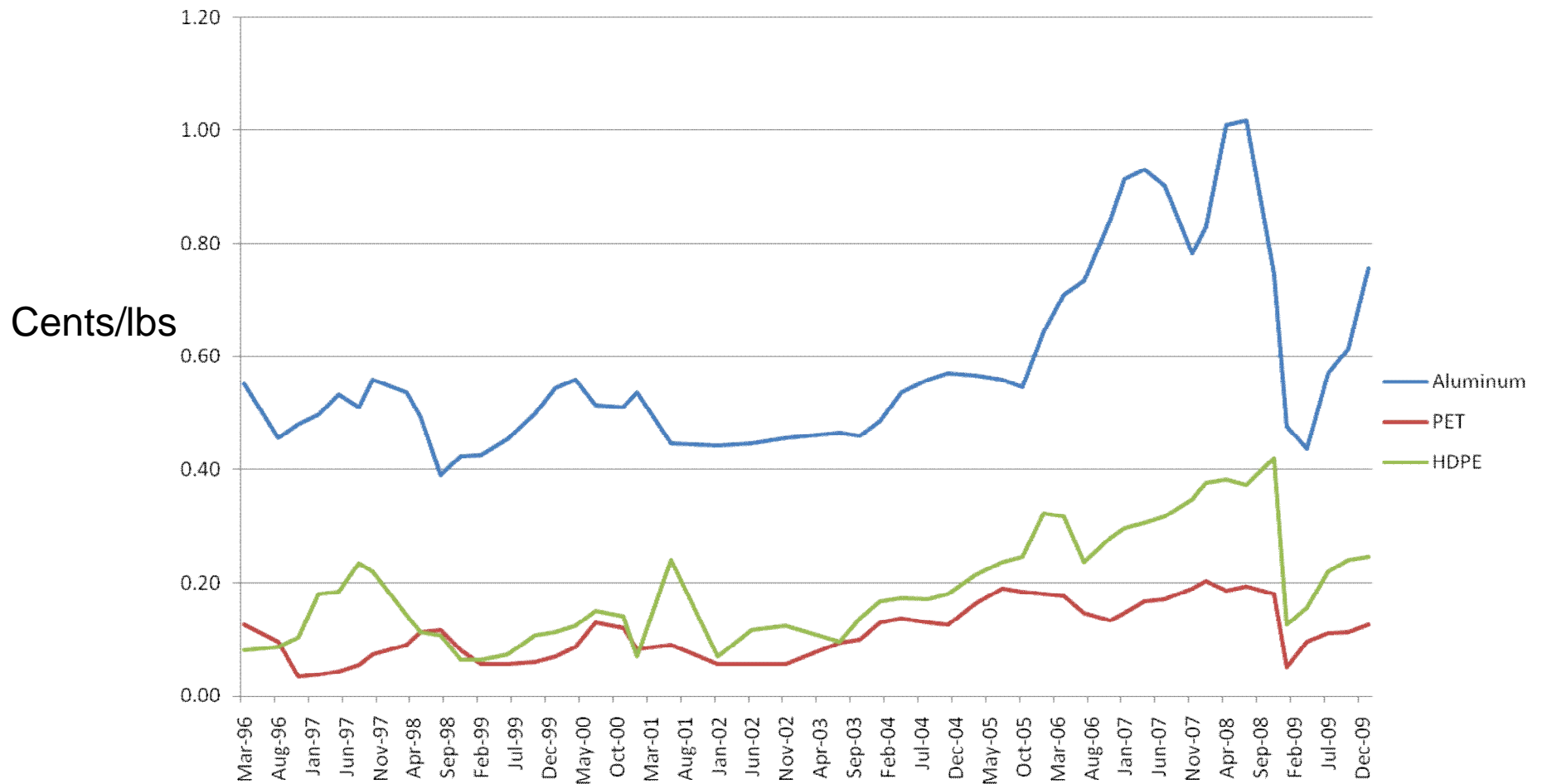
Scott Mouw

Division of Pollution Prevention and  
Environmental Assistance

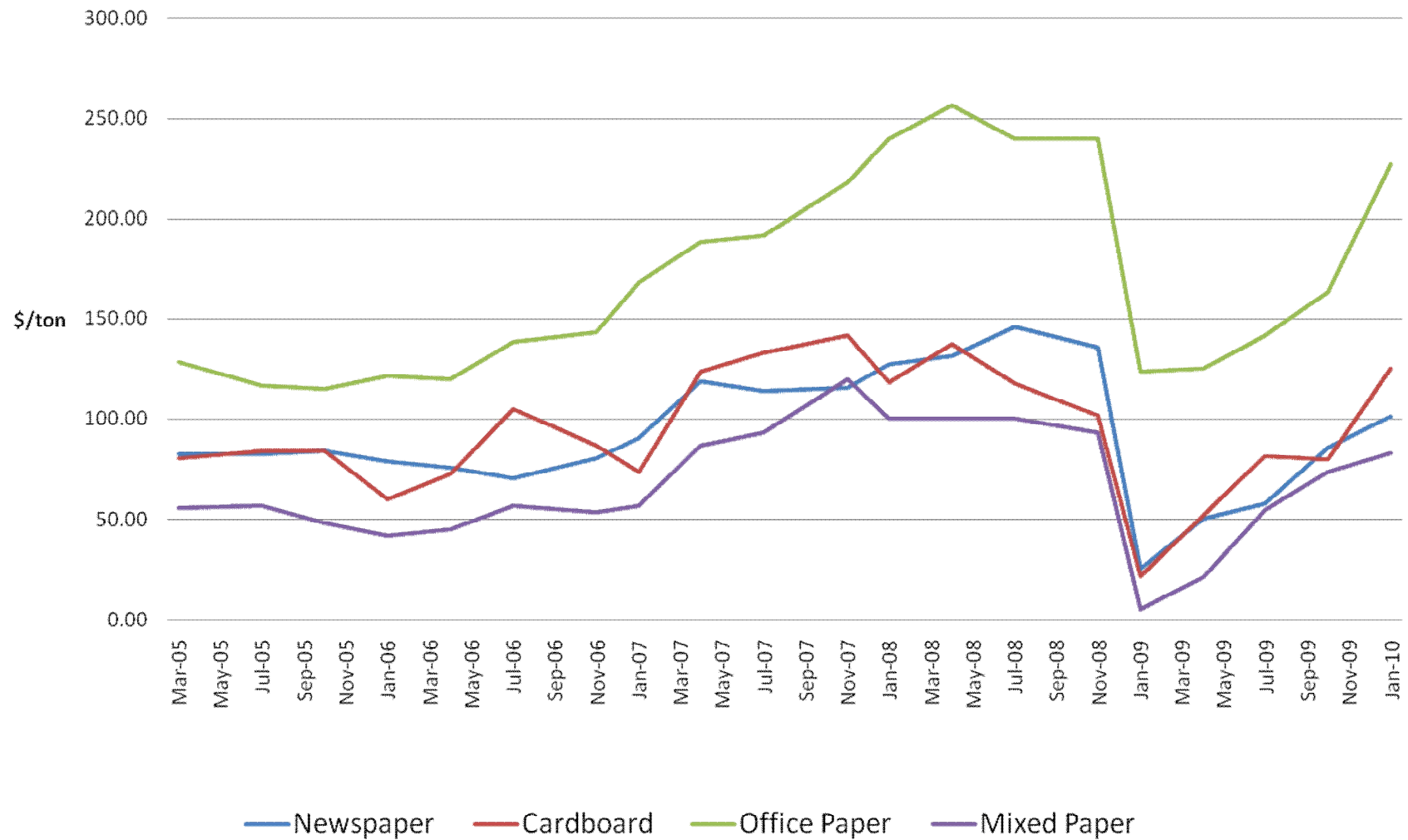
# Recycling Market Prices

- Prices have followed the general trends in the global economy.
- From all time highs in 2008, prices dropped dramatically with the onset of the recession.
- Prices have rebounded to historically average levels or above.
- Signs that demand heating up for some key commodities that will lead to strong pricing in 2010.

# Recycling Price History for Key Container Materials



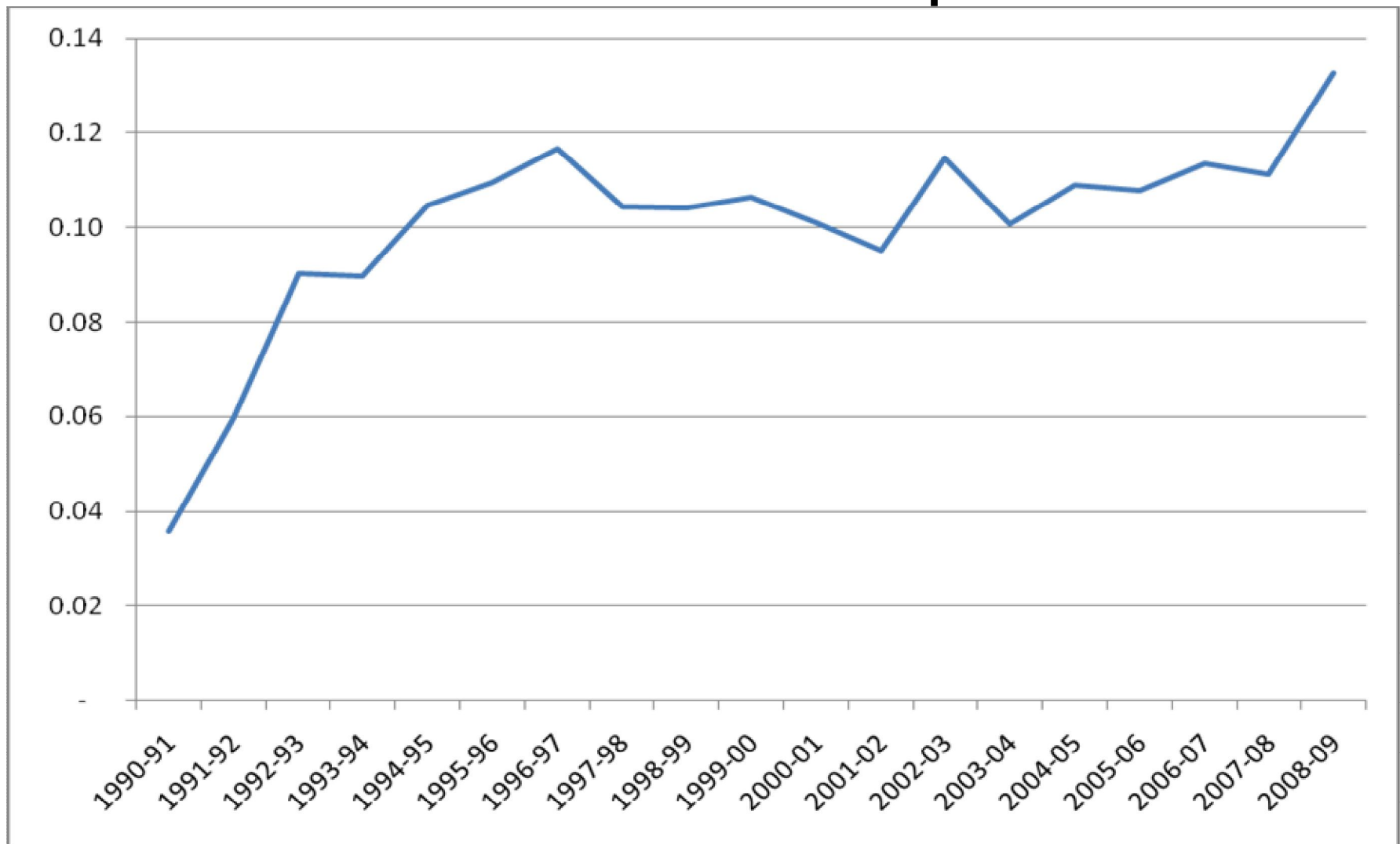
# Recent Recycling Price History For Key Fiber Commodities



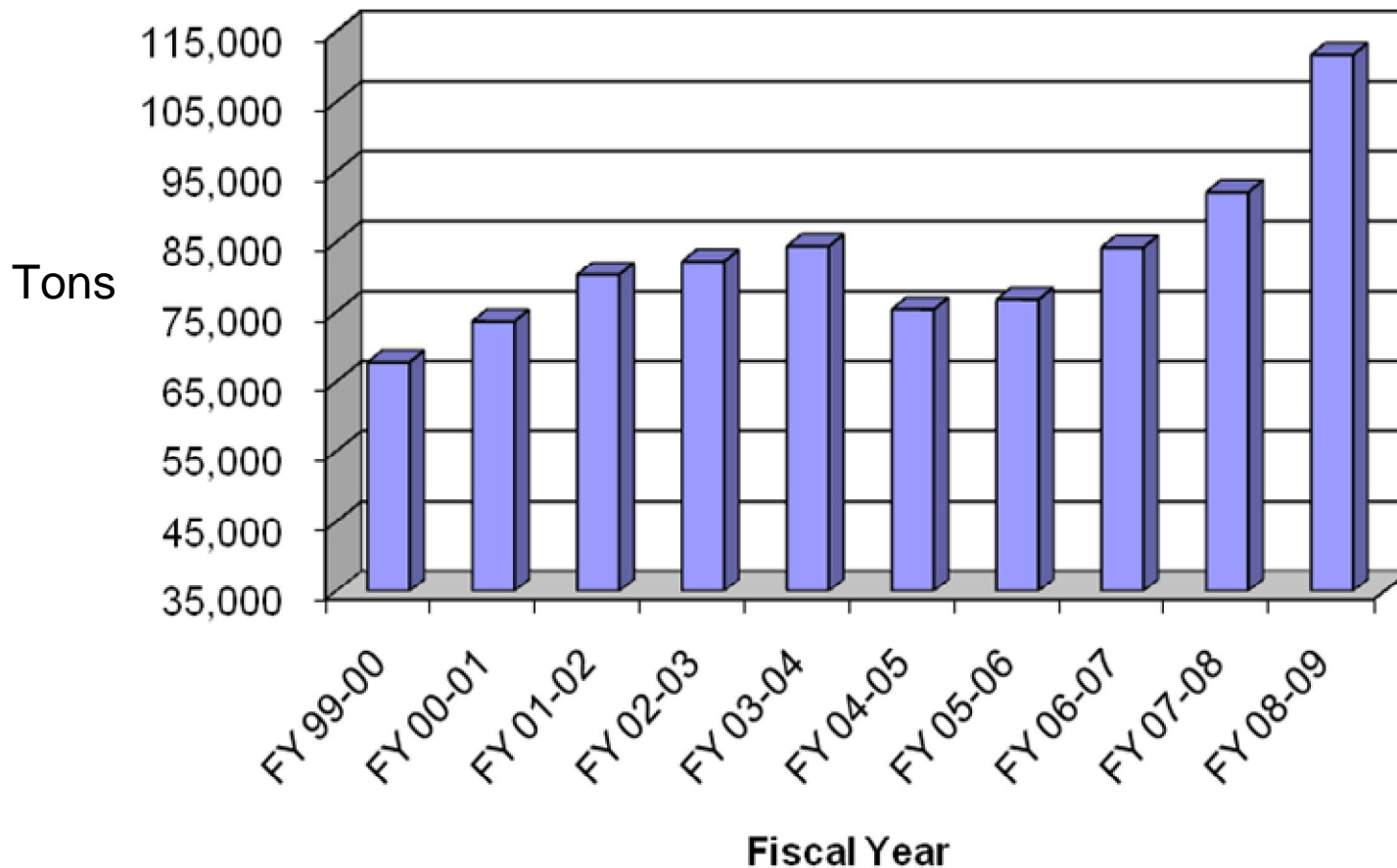
# Local Government Recycling Efforts

<b>Material</b>	<b>FY 04-05</b>	<b>FY 05-06</b>	<b>FY 06-07</b>	<b>FY 07-08</b>	<b>FY 08-09</b>
Total Paper	303,514	292,641	305,615	321,019	342,008
Total Glass	44,003	45,421	51,883	56,837	69,446
Total Plastics	18,320	18,177	19,373	22,298	23,947
Total Metal	109,612	108,488	96,884	84,740	69,242
Total Organics	583,101	619,494	631,393	554,576	593,323
Special Wastes	6,690	6,955	8,304	7,195	8,433
Construction and Demolition Debris	20,292	24,001	40,352	59,501	33,209
Tires	113,670	146,177	187,273	142,160	147,055
Other	5,677	7,743	5,558	6,753	8,474
<b>Totals</b>	<b>1,204,879</b>	<b>1,269,097</b>	<b>1,346,635</b>	<b>1,255,079</b>	<b>1,295,173</b>
<b>Per Capita Recovery (lbs.)</b>	<b>282.13</b>	<b>292.35</b>	<b>303.97</b>	<b>276.77</b>	<b>280.73</b>
<b>Recovery Ratio (Recycling:Disposal)</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.13</b>

# Ratio of Local Government Recycling to Solid Waste Disposal



# Collection of Container Materials (glass, plastic, aluminum, steel)



# Top Ten Recycling Counties

(Combined Efforts of County and Its Municipalities)

- Pitt
- Catawba
- Dare
- Buncombe
- Orange
- Swain
- Macon
- Watauga
- Guilford
- Pamlico



# Major Trends in Recycling in NC

- Conversion to carts and single stream collection in curbside programs – more MRFs also becoming single stream.
- Some communities continuing to expand recycling efforts to points of generation beyond households.
- Very slow development of programs to divert household hazardous waste and problematic materials (cost a big factor).
- Growing interest in diverting other types of plastics, C&D wastes, food waste and other organics.
- Continued growth and development of recycling businesses.

# Images of Recycling Advancements in NC



Shingle Recycling in Pitt County



Electronics Processing at Synergy in Madison



Use of Recycling Carts in Archdale

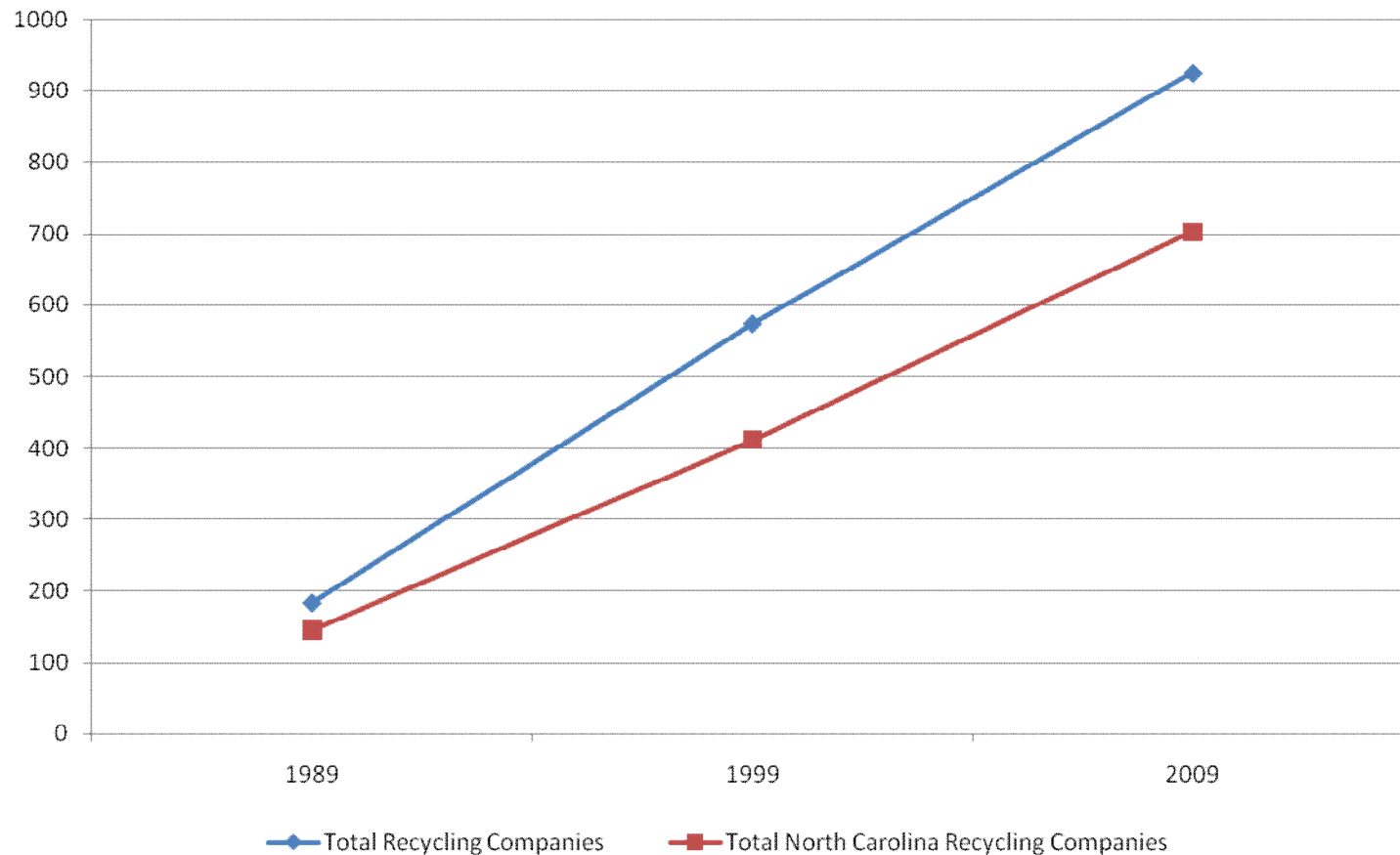


Recycling at ABC Permit Holders in Raleigh

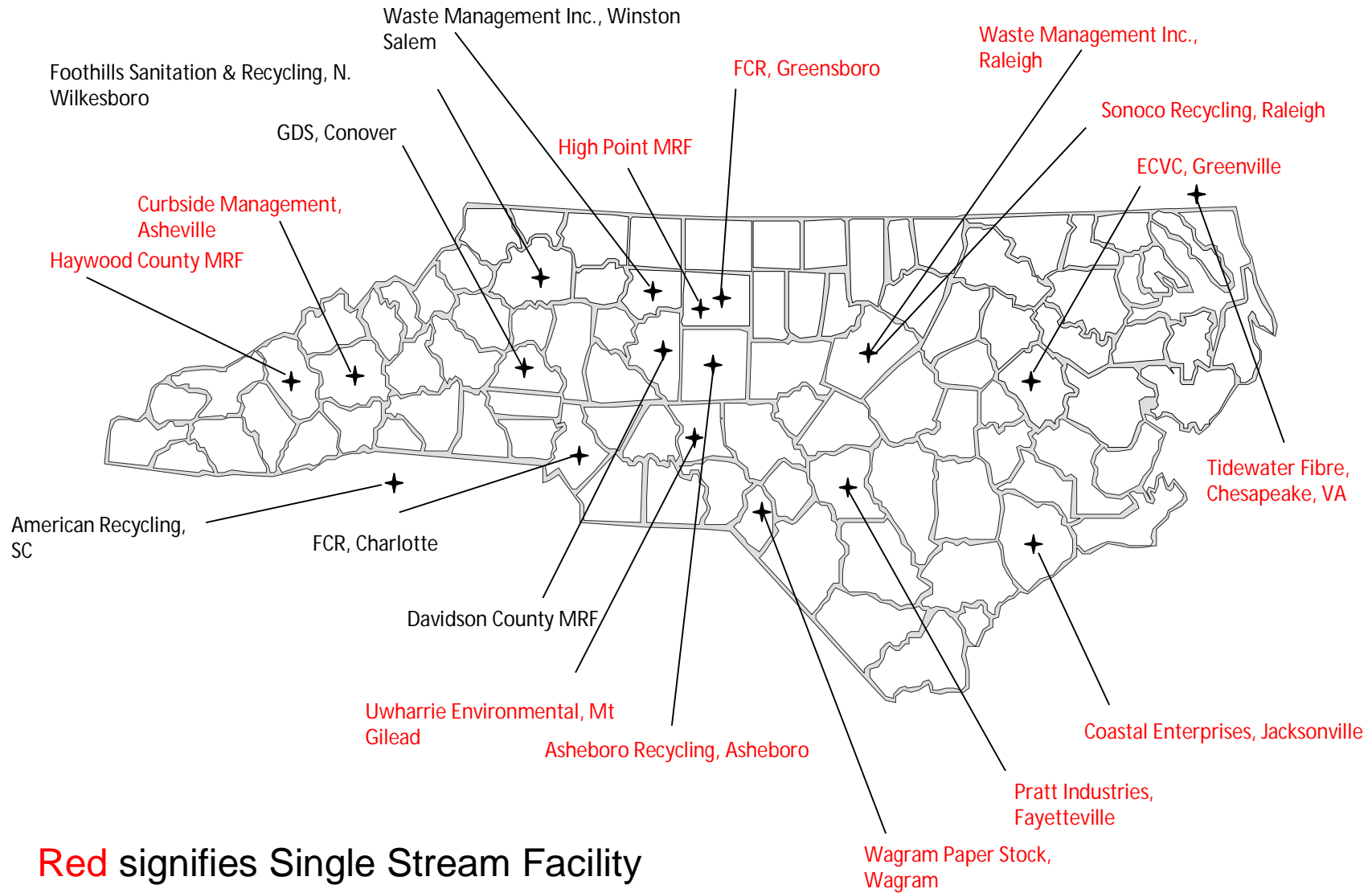


Recycling at the Blue Ridge BBQ Festival in Tryon

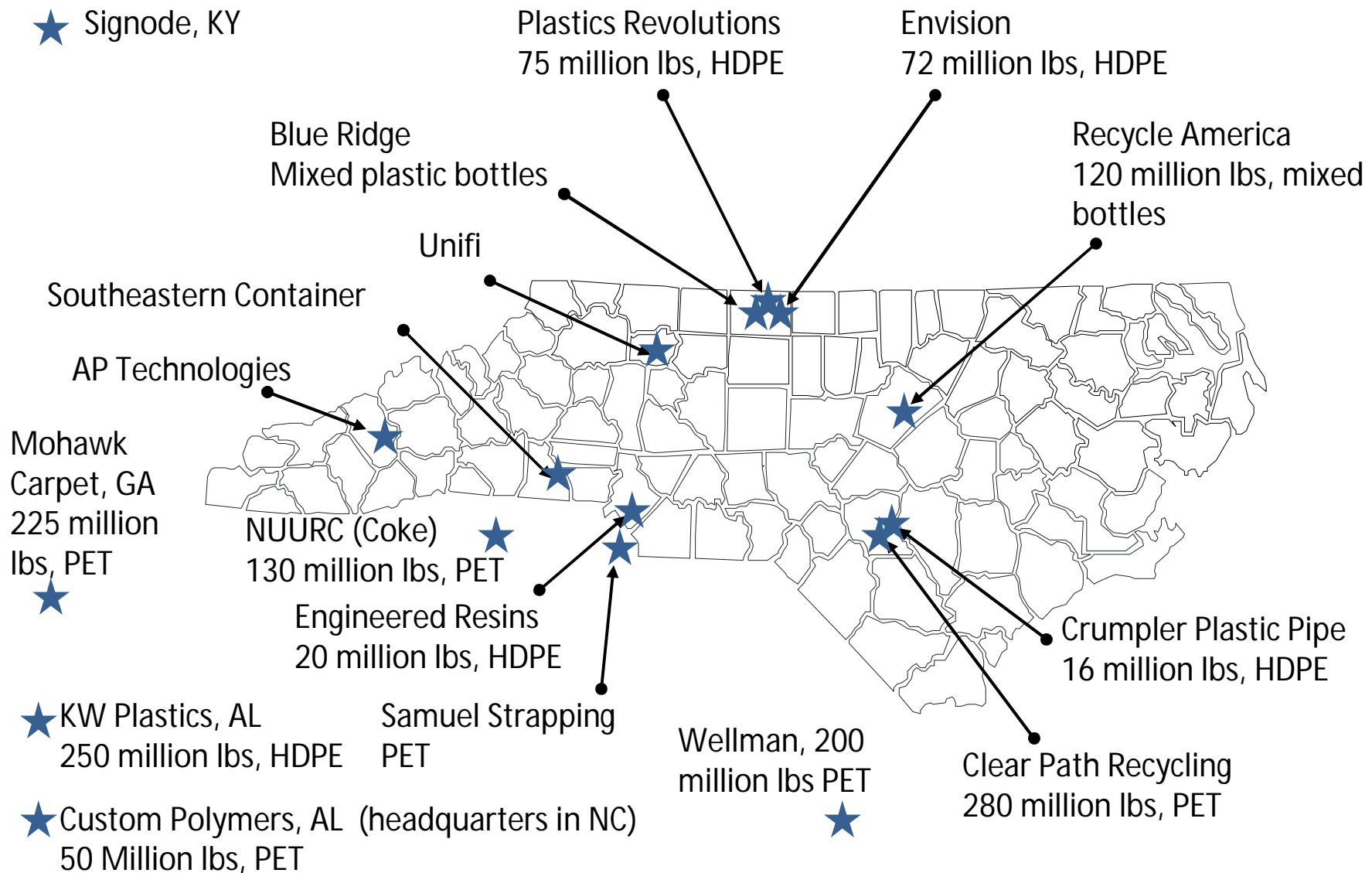
# Companies Listed in North Carolina's Recycling Markets Directory



# Material Recovery Facilities in North Carolina



# Snapshot of In-state and Nearby Plastics Bottle Processing and End-use Capacity



# Preliminary Effects of Disposal Bans on Oil Filters, Pallets, and Plastic Bottles

- Increase in public interest in recycling.
- Increase in collection of materials in public programs and expansion of programs.
- Jump in oil filter recycling programs.
- Spotty development of collection services by private haulers.
- Next year's data will provide better detail on the effects of the ban among local programs.