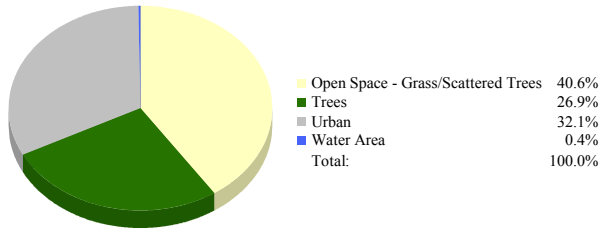
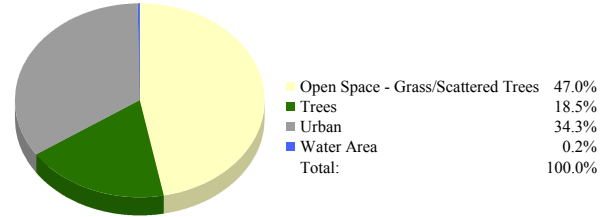


## Kings Mountain, NC 1984 Landcover



## Kings Mountain, NC 2003 Landcover



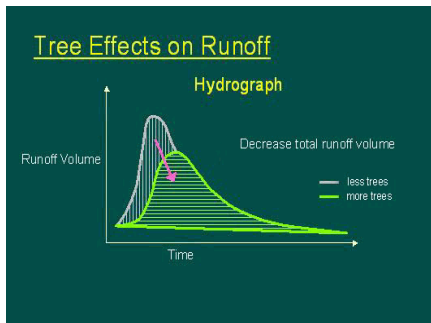
### Air Quality Results

#### Pounds Removed per Year

Pollutant	1984	2003
Carbon Monoxide:	4,965	3,404
Nitrogen Dioxide:	8,689	5,957
Ozone:	50,894	34,893
Particulate Matter:	37,239	25,532
Sulfur Dioxide:	16,137	11,064
<b>Total:</b>	<b>117,925</b>	<b>80,850</b>

### Stormwater Results

#### Storm Event Hydrograph



#### Stormwater Volume Change

2-yr, 24-hr Rainfall: 3.25 in.

\*Curve Number reflecting conditions in 1984: 76  
\*Curve Number reflecting conditions in 2003: 76

Additional Storage volume of stormwater generated due to change in landcover from 1984 to 2003: 0 cu. ft.

Construction cost of retention facilities per cu. ft. of stormwater: \$2.00

Cost of the construction of retention facilities to store excess volume of stormwater: \$0

### Benefits Summary

#### Landcover Change (acres)

Landcover	1984	2003	Change
Trees:	1,393	955	-31.4%
Open Space:	2,101	2,437	16.0%
Urban:	1,661	1,774	6.8%
Water:	19	11	-42.1%
Total Acres:	5,172		

#### Air Pollution Benefits

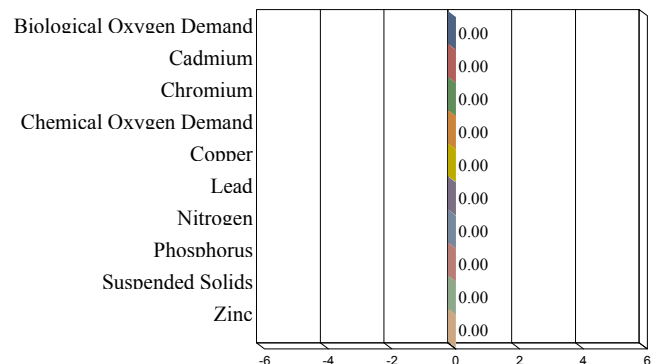
Pollutants Removed (lbs):	117,925	80,850	-37,075
\$ Amount:	\$273,666	\$187,627	-\$86,040
Carbon Stored (tons):	59,923	41,083	-18,839
Carbon Sequestered (lbs):	467	320	-147

#### Stormwater Benefits

Additional Storage Volume Needed:		0	0
Cost of Retaining Additional Volume of Runoff:		\$0	\$0

#### Water Quality (Contaminant Loading)

#### Percent Change in Contaminant Loadings from 1984 to 2003 due to land cover change



\*The stormwater calculations are based on curve number which is an index developed by the NRCS, to represent the potential for storm water runoff within a drainage area. Curve numbers range from 30 to 100. The higher the curve number the more runoff will occur. The change in curve number reflects the increase in the volume of stormwater runoff.