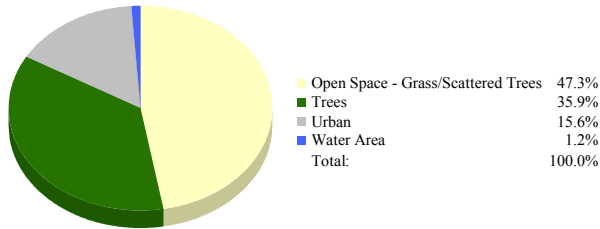
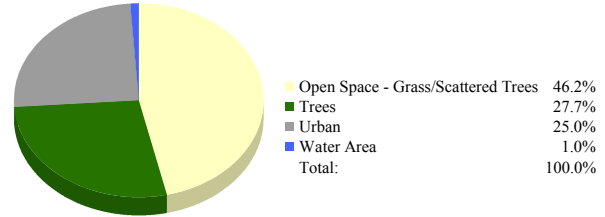


York, SC 1984 Landcover



York, SC 2003 Landcover



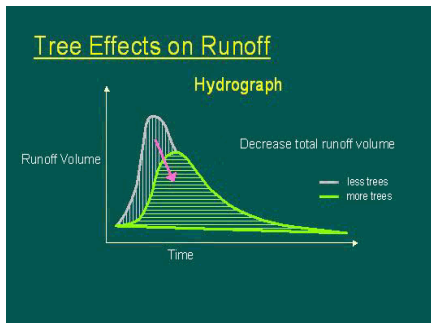
Air Quality Results

Pounds Removed per Year

Pollutant	1984	2003
Carbon Monoxide:	6,452	4,987
Nitrogen Dioxide:	11,292	8,728
Ozone:	66,138	51,120
Particulate Matter:	48,393	37,405
Sulfur Dioxide:	20,970	16,209
Total:	153,246	118,449

Stormwater Results

Storm Event Hydrograph



Stormwater Volume Change

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

*Curve Number reflecting conditions in 1984: 71

*Curve Number reflecting conditions in 2003: 74

Additional Storage volume of stormwater generated due to change in landcover from 1984 to 2003: 2,970,574 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: \$5,941,147

Benefits Summary

Landcover Change (acres)

Landcover	1984	2003	Change
Trees:	1,809	1,399	-22.7%
Open Space:	2,386	2,332	-2.2%
Urban:	787	1,260	59.9%
Water:	59	52	-11.6%
Total Acres:	5,042		

Air Pollution Benefits

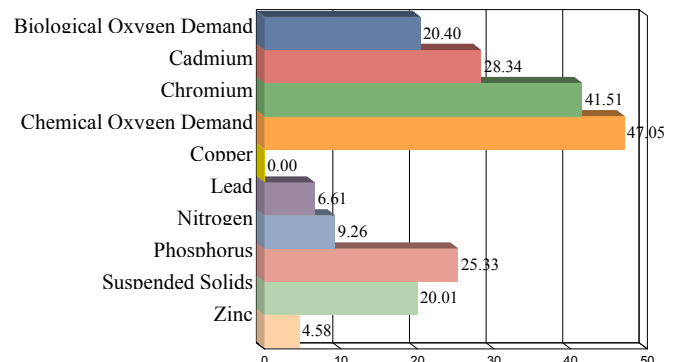
Pollutants Removed (lbs):	153,246	118,449	-34,796
\$ Amount:	\$355,634	\$274,883	-\$80,751
Carbon Stored (tons):	77,871	60,189	-17,682
Carbon Sequestered (lbs):	606	469	-138

Stormwater Benefits

Additional Storage Volume Needed:		10,610,515	2,970,574
Cost of Retaining Additional Volume of Runoff:		\$21,221,031	\$5,941,147

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.