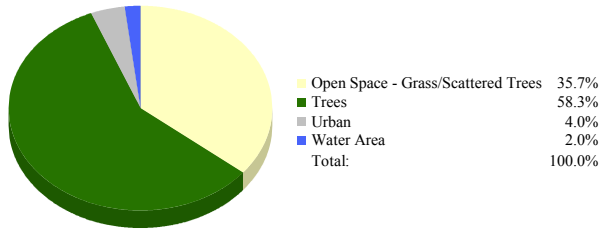
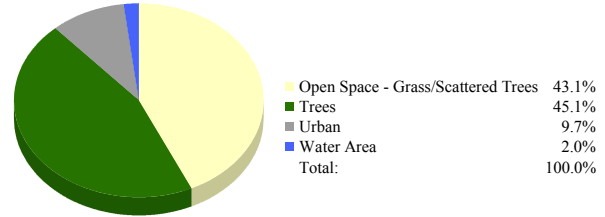


York County, SC 1984 Landcover



York County, SC 2003 Landcover



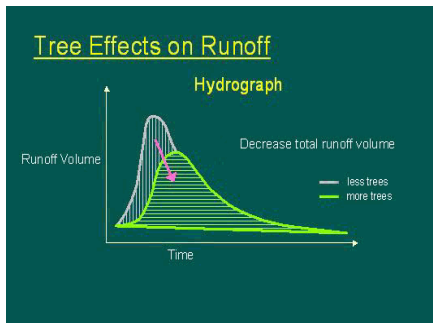
Air Quality Results

Pounds Removed per Year

Pollutant	1984	2003
Carbon Monoxide:	924,493	715,930
Nitrogen Dioxide:	1,617,863	1,252,877
Ozone:	9,476,057	7,338,278
Particulate Matter:	6,933,700	5,369,471
Sulfur Dioxide:	3,004,604	2,326,771
Total:	21,956,718	17,003,326

Stormwater Results

Storm Event Hydrograph



Stormwater Volume Change

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

*Curve Number reflecting conditions in 1984: 73

*Curve Number reflecting conditions in 2003: 74

Additional Storage volume of stormwater generated due to change in landcover from 1984 to 2003: 89,946,948 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: **\$179,893,896**

Benefits Summary

Landcover Change (acres)

Landcover	1984	2003	Change
Trees:	259,278	200,786	-22.7%
Open Space:	159,029	191,939	20.7%
Urban:	17,645	43,227	144.9%
Water:	8,958	9,009	0%
Total Acres:	444,911		

Air Pollution Benefits

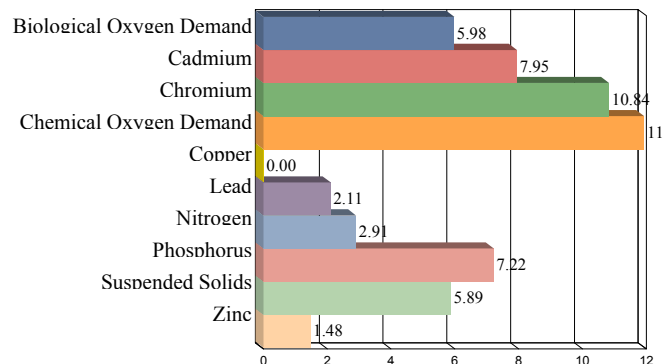
Pollutants Removed (lbs):	21,956,718	17,003,326	-4,953,392
\$ Amount:	\$50,954,533	\$39,459,291	-\$11,495,242
Carbon Stored (tons):	11,157,137	8,640,109	-2,517,028
Carbon Sequestered (lbs):	86,861	67,266	-19,596

Stormwater Benefits

Additional Storage Volume Needed:		1,435,215,092	89,946,948
Cost of Retaining Additional Volume of Runoff:		\$2,870,430,183	\$179,893,896

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.