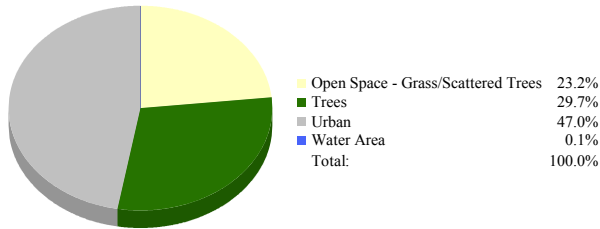
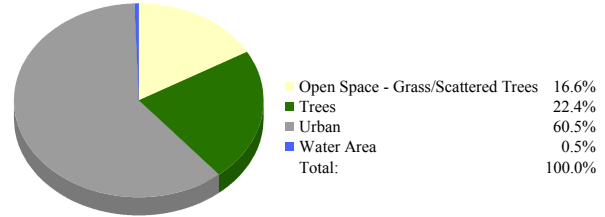


Salisbury, NC 1984 Landcover



Salisbury, NC 2003 Landcover



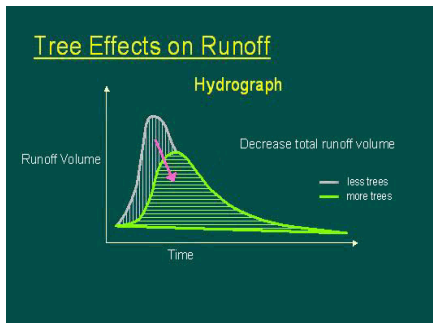
Air Quality Results

Pounds Removed per Year

Pollutant	1984	2003
Carbon Monoxide:	6,019	4,541
Nitrogen Dioxide:	30,094	22,706
Ozone:	138,432	104,447
Particulate Matter:	120,375	90,824
Sulfur Dioxide:	33,103	24,976
Total:	328,023	247,494

Stormwater Results

Storm Event Hydrograph



Stormwater Volume Change

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

*Curve Number reflecting conditions in 1984: 81
*Curve Number reflecting conditions in 2003: 84

Additional Storage volume of stormwater generated due to change in landcover from 1984 to 2003: 8,906,395 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: **\$17,812,790**

Benefits Summary

Landcover Change (acres)

Landcover	1984	2003	Change
Trees:	3,376	2,547	-24.6%
Open Space:	2,638	1,889	-28.4%
Urban:	5,347	6,877	28.6%
Water:	7	55	685.7%
Total Acres:	11,368		

Air Pollution Benefits

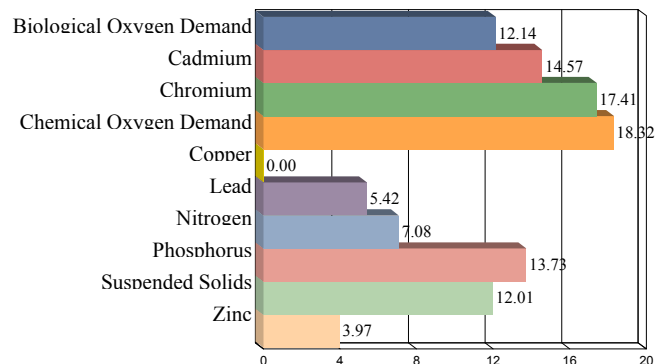
Pollutants Removed (lbs):	328,023	247,494	-80,528
\$ Amount:	\$792,068	\$597,618	-\$194,450
Carbon Stored (tons):	145,273	109,609	-35,664
Carbon Sequestered (lbs):	1,131	853	-278

Stormwater Benefits

Additional Storage Volume Needed:		23,973,272	8,906,395
Cost of Retaining Additional Volume of Runoff:		\$47,946,544	\$17,812,790

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.