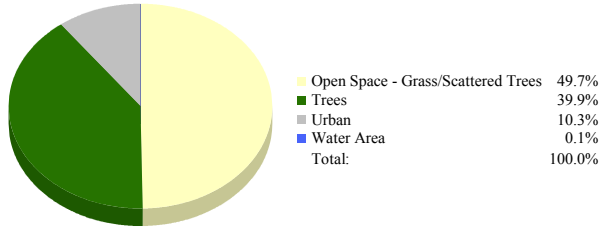
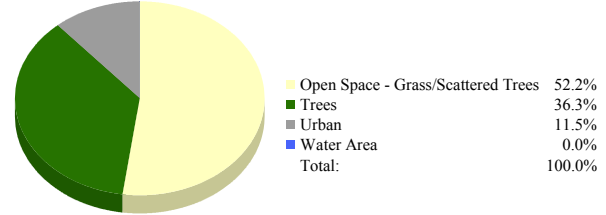


Locust, NC 1984 Landcover



Locust, NC 2003 Landcover



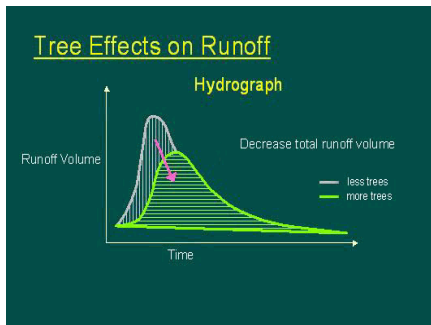
Air Quality Results

Pounds Removed per Year

Pollutant	1984	2003
Carbon Monoxide:	4,679	4,261
Nitrogen Dioxide:	8,189	7,457
Ozone:	47,963	43,675
Particulate Matter:	35,095	31,958
Sulfur Dioxide:	15,208	13,848
Total:	111,134	101,199

Stormwater Results

Storm Event Hydrograph



Stormwater Volume Change

2-yr, 24-hr Rainfall: 3.75 in.

*Curve Number reflecting conditions in 1984: 71

*Curve Number reflecting conditions in 2003: 71

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:	1,312	1,195	-8.9%
Open Space:	1,634	1,717	25.0%
Urban:	338	378	11.9%
Water:	5	1	-80.0%
Total Acres:	3,289		

Air Pollution Benefits

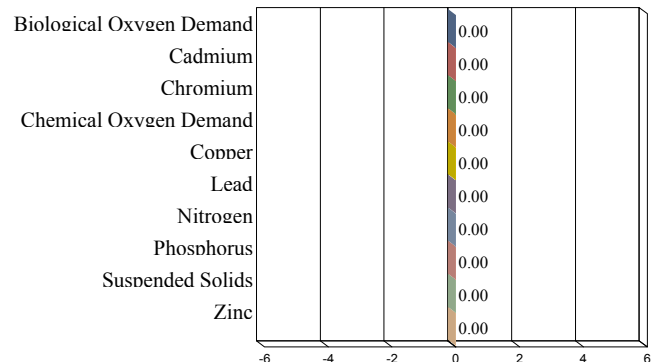
Pollutants Removed (lbs):	111,134	101,199	-9,935
\$ Amount:	\$257,907	\$234,851	-\$23,057
Carbon Stored (tons):	56,472	51,424	-5,049
Carbon Sequestered (lbs):	440	400	-39

Stormwater Benefits

Additional Storage Volume Needed:		10,085,869	0
Cost of Retaining Additional Volume of Runoff:		\$20,171,738	\$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.