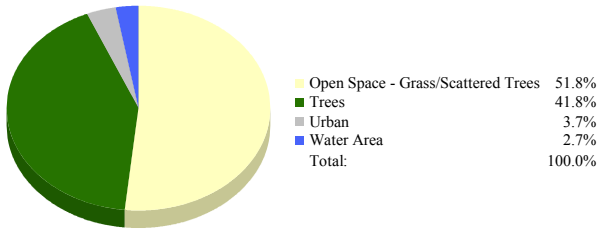
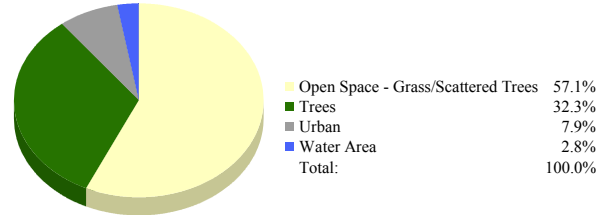


Lincoln County 1984 Landcover



Lincoln County 2003 Landcover



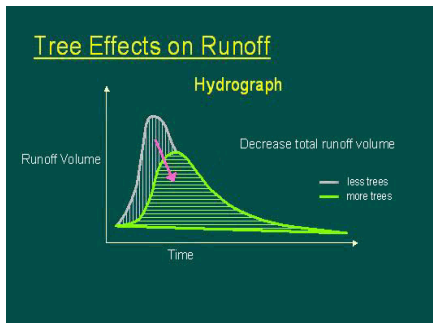
Air Quality Results

Pounds Removed per Year

Pollutant	1984	2003
Carbon Monoxide:	292,881	225,894
Nitrogen Dioxide:	512,542	395,315
Ozone:	3,002,031	2,315,416
Particulate Matter:	2,196,608	1,694,207
Sulfur Dioxide:	951,863	734,156
Total:	6,955,925	5,364,989

Stormwater Results

Storm Event Hydrograph



Stormwater Volume Change

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

*Curve Number reflecting conditions in 1984: 69

*Curve Number reflecting conditions in 2003: 70

Additional Storage volume of stormwater generated due to change in landcover from 1984 to 2003: 35,243,527 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: **\$70,487,054**

Benefits Summary

Landcover Change (acres)

Landcover	1984	2003	Change
Trees:	82,140	63,353	-22.9%
Open Space:	101,606	112,058	10.3%
Urban:	7,223	15,424	113.5%
Water:	5,366	5,503	2.6%
Total Acres:	196,335		

Air Pollution Benefits

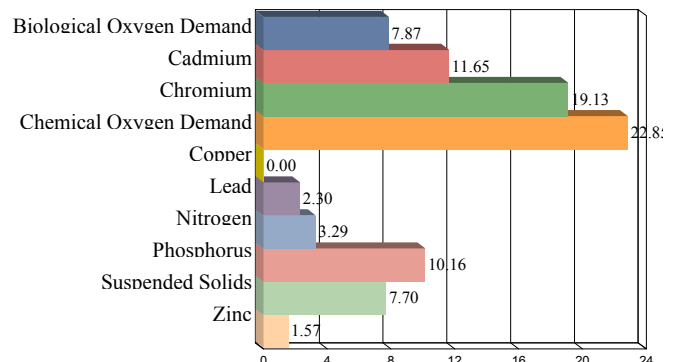
Pollutants Removed (lbs):	6,955,925	5,364,989	-1,590,936
\$ Amount:	\$16,142,481	\$12,450,427	-\$3,692,055
Carbon Stored (tons):	3,534,600	2,726,178	-808,422
Carbon Sequestered (lbs):	27,518	21,224	-6,294

Stormwater Benefits

Additional Storage Volume Needed:		464,065,916	35,243,527
Cost of Retaining Additional Volume of Runoff:		\$928,131,831	\$70,487,054

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.