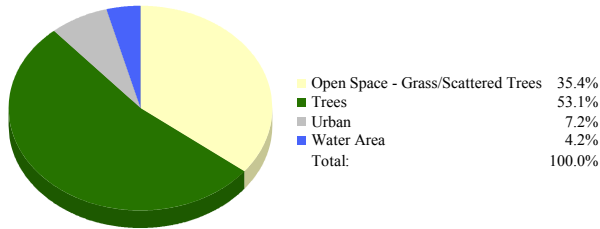
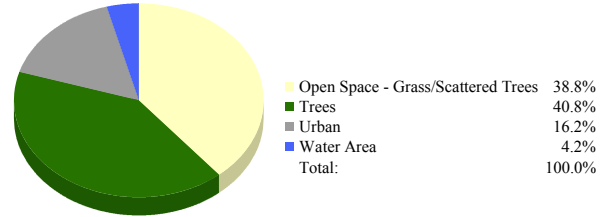


RFATS 1984 Landcover



RFATS 2003 Landcover



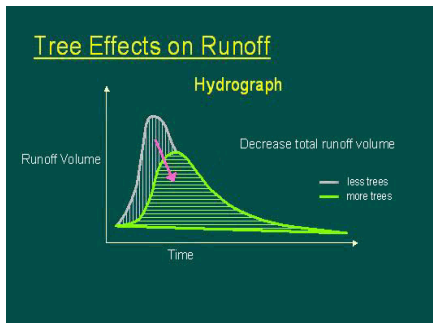
Air Quality Results

Pounds Removed per Year

Pollutant	1984	2003
Carbon Monoxide:	334,687	257,119
Nitrogen Dioxide:	585,703	449,958
Ozone:	3,430,544	2,635,469
Particulate Matter:	2,510,154	1,928,392
Sulfur Dioxide:	1,087,733	835,637
Total:	7,948,822	6,106,575

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: 75

Additional Storage volume of stormwater generated due to change in landcover from 1984 to 2003: 72,507,336 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: **\$145,014,673**

Benefits Summary

Landcover Change (acres)

Landcover	1984	2003	Change
Trees:	93,865	72,110	-23.2%
Open Space:	62,614	68,611	9.6%
Urban:	12,812	28,685	123.9%
Water:	7,435	7,368	0.9%
Total Acres:	176,726		

Air Pollution Benefits

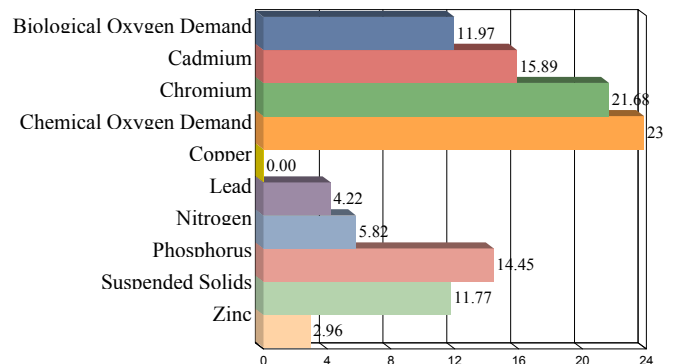
Pollutants Removed (lbs):	7,948,822	6,106,575	-1,842,247
\$ Amount:	\$18,446,677	\$14,171,411	-\$4,275,266
Carbon Stored (tons):	4,039,132	3,103,009	-936,123
Carbon Sequestered (lbs):	31,446	24,158	-7,288

Stormwater Benefits

Additional Storage Volume Needed:		533,394,865	72,507,336
Cost of Retaining Additional Volume of Runoff:		\$1,066,789,730	\$145,014,673

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.