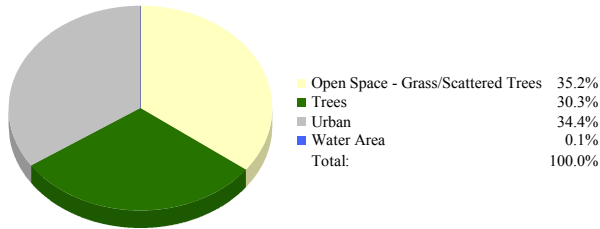
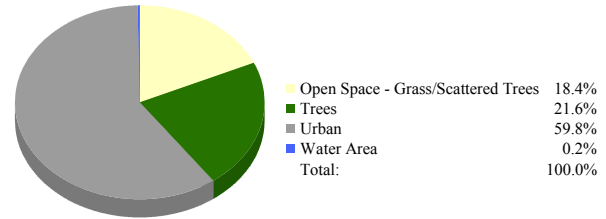


Conover, NC 1984 Landcover



Conover, NC 2003 Landcover



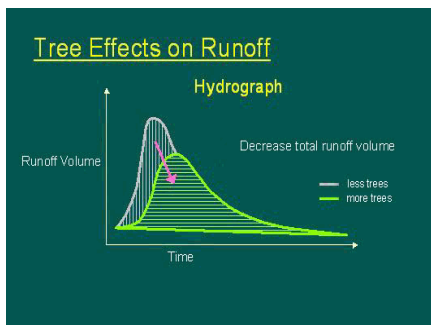
Air Quality Results

Pounds Removed per Year

Pollutant	1984	2003
Carbon Monoxide:	7,367	5,250
Nitrogen Dioxide:	12,892	9,188
Ozone:	75,510	53,815
Particulate Matter:	55,251	39,377
Sulfur Dioxide:	23,942	17,063
Total:	174,962	124,693

Stormwater Results

Storm Event Hydrograph



Stormwater Volume Change

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

*Curve Number reflecting conditions in 1984: 76

*Curve Number reflecting conditions in 2003: 82

Additional Storage volume of stormwater generated due to change in landcover from 1984 to 2003: 9,675,066 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: **\$19,350,132**

Benefits Summary

Landcover Change (acres)

Landcover	1984	2003	Change
Trees:	2,066	1,472	-28.7%
Open Space:	2,394	1,250	-47.8%
Urban:	2,340	4,072	73.9%
Water:	8.3	14	75.0%
Total Acres:	6,809		

Air Pollution Benefits

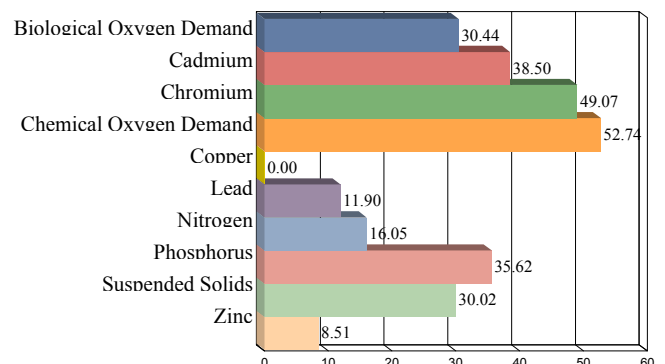
Pollutants Removed (lbs):	174,962	124,693	-50,269
\$ Amount:	\$406,031	\$289,372	-\$116,659
Carbon Stored (tons):	88,906	63,362	-25,544
Carbon Sequestered (lbs):	692	493	-199

Stormwater Benefits

Additional Storage Volume Needed:		13,565,139	9,675,066
Cost of Retaining Additional Volume of Runoff:		\$27,130,278	\$19,350,132

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.