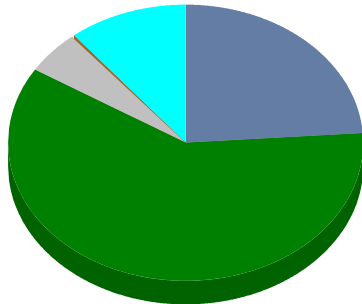


Analysis Report

for

Calvert County



Land cover areas are in acres

Open Space - Grass/Scattered Trees	36,726.5	23.9%
Trees	92,100.0	59.9%
Urban	7,958.1	5.2%
Urban: Bare	163.0	0.1%
Water Area	16,733.1	10.9%
Total:	153,680.7	100.0%

Total Tree Canopy: 92,100.0 acres (59.9%)

Air Pollution Removal

Nearest Air Quality Reference City: **Washington DC**

	<u>Lbs. Removed/yr</u>	<u>Dollar Value</u>
Carbon Monoxide:	410,494	\$175,182
Ozone:	3,201,854	\$9,836,795
Nitrogen Dioxide:	1,641,977	\$5,044,510
Particulate Matter:	2,709,261	\$5,557,161
Sulfur Dioxide:	1,313,581	\$985,793
Totals:	9,277,168	\$21,599,442

Carbon Storage and Sequestration

Total Tons Stored:	3,963,199.52
Total Tons Sequestered (Annually):	30,854.56

Stormwater

Water Quantity (Runoff)

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

Curve Number reflecting existing conditions: 73
Curve Number using default replacement landcover: 92

Additional Storage volume needed: 768,868,174 cu. ft.

Construction cost per cu. ft.: \$2.00

Total Stormwater Savings: \$1,537,736,348

Annual costs based on payments over 20 years at 6% interest: \$134,066,862 per year

Water Quality (Contaminant Loading)

Percent Change in Contaminant Loadings

