

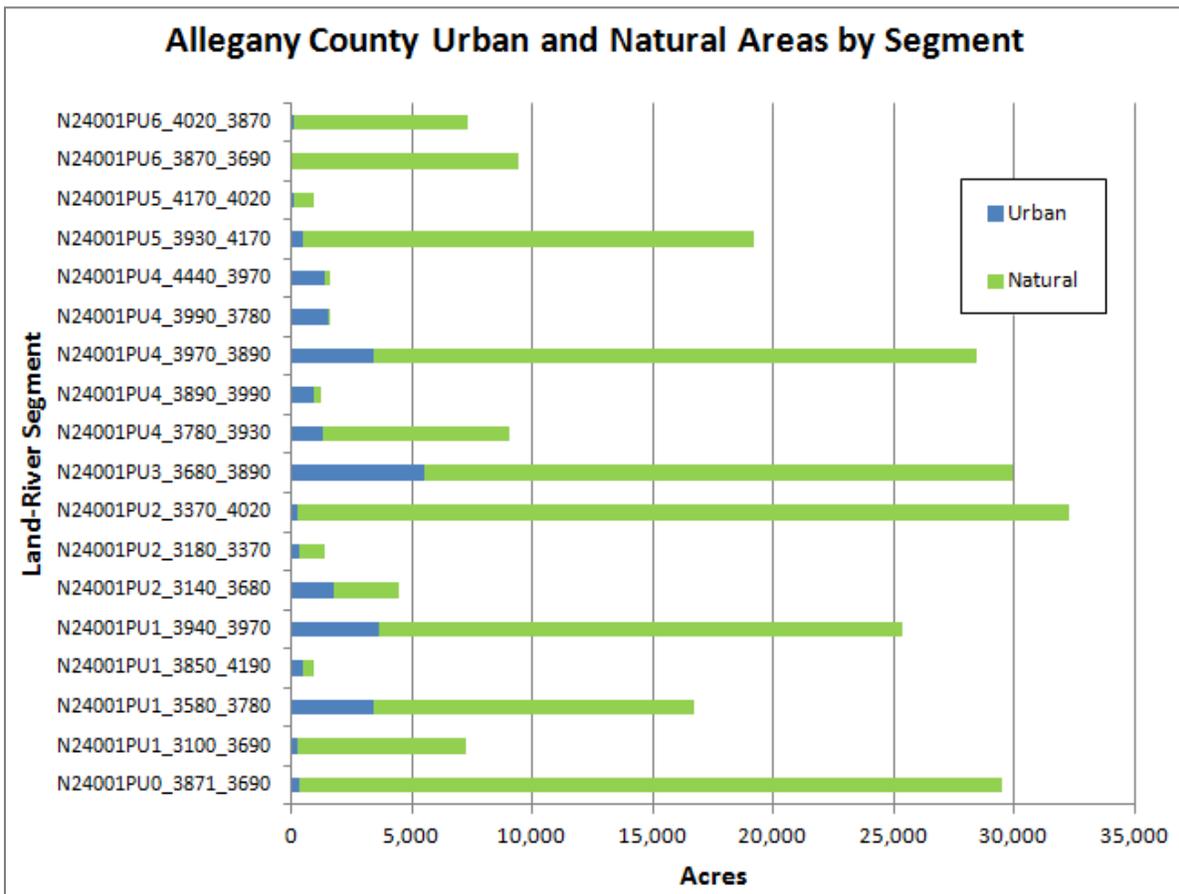
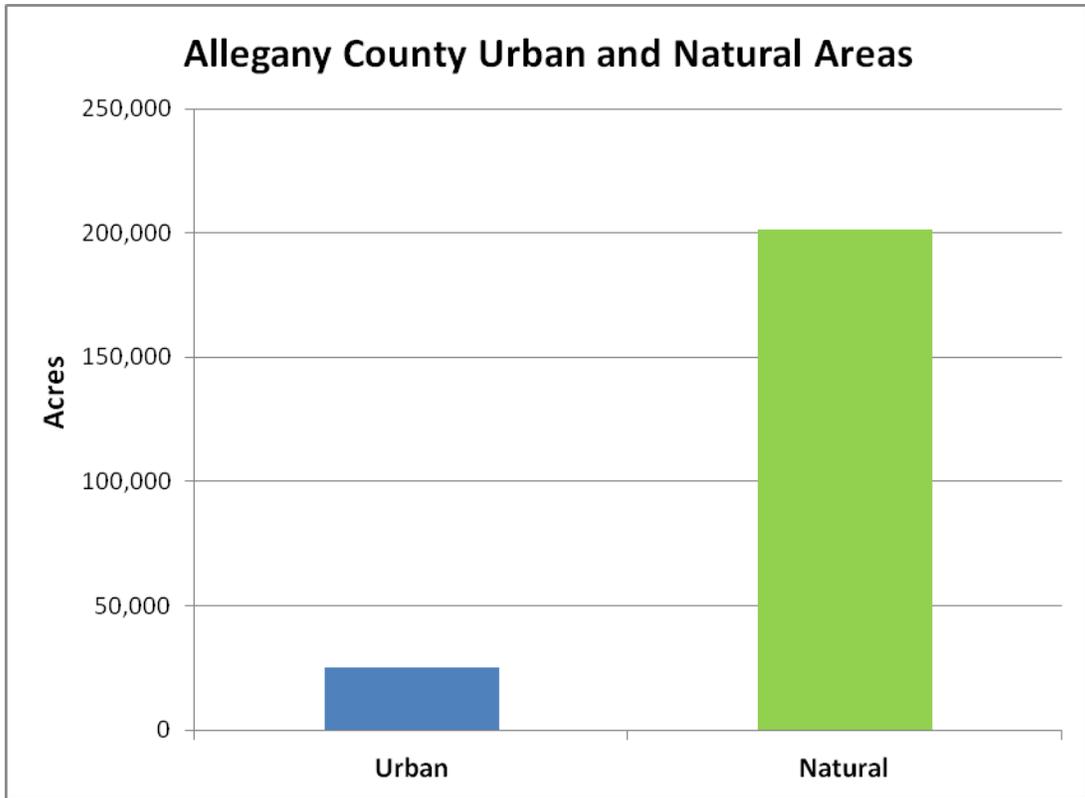
# MD Estimates for the Chesapeake Bay Phase 6 Watershed Model

## Land-Use, Version 1: Allegany County Summary

**Note:** The estimates presented in this summary were provided by Maryland for 2012 conditions to the Chesapeake Bay Program for input into the Phase 6 watershed model land-use. Estimates were provided for urban and natural land-uses only. Per Chesapeake Bay Program decision rules, agricultural land-use acres in the watershed model are based on the United States Department of Agriculture (USDA) census data. Therefore, there was no reason for Maryland to provide estimates for agricultural lands to the Chesapeake Bay Program.

### Allegany County Urban and Natural Areas by Segment

Land-River Segment	Urban (Acres)	Natural (Acres)
N24001PU0_3871_3690	333.3	29,171.6
N24001PU1_3100_3690	242.5	7,024.8
N24001PU1_3580_3780	3,419.7	13,320.0
N24001PU1_3850_4190	479.9	441.0
N24001PU1_3940_3970	3,632.1	21,745.2
N24001PU2_3140_3680	1,740.9	2,735.5
N24001PU2_3180_3370	329.8	1,055.5
N24001PU2_3370_4020	284.9	31,932.4
N24001PU3_3680_3890	5,504.6	24,426.1
N24001PU4_3780_3930	1,332.0	7,712.7
N24001PU4_3890_3990	946.1	297.7
N24001PU4_3970_3890	3,382.0	25,033.6
N24001PU4_3990_3780	1,542.2	103.5
N24001PU4_4440_3970	1,368.5	214.3
N24001PU5_3930_4170	514.7	18,643.6
N24001PU5_4170_4020	81.6	873.6
N24001PU6_3870_3690	39.1	9,404.7
N24001PU6_4020_3870	77.6	7,238.8
	<b>25,251.5</b>	<b>201,374.7</b>



### Allegany County Urban Area by Segment

Land-River Segment	Canopy Over Impervious (Acres)	Impervious - No Canopy (Acres)	Canopy Over Turf (Acres)	Turf - No Canopy (Acres)
N24001PU0_3871_3690	26	423	125	0
N24001PU1_3100_3690	13	195	80	88
N24001PU1_3580_3780	57	733	588	2,823
N24001PU1_3850_4190	0	2	0	9
N24001PU1_3940_3970	101	985	880	1,962
N24001PU2_3140_3680	7	67	78	153
N24001PU2_3180_3370	1	7	4	2
N24001PU2_3370_4020	43	427	239	44
N24001PU3_3680_3890	151	1,359	1,082	4,357
N24001PU4_3780_3930	20	303	249	635
N24001PU4_3890_3990	17	310	115	504
N24001PU4_3970_3890	126	1,070	890	2,230
N24001PU4_3990_3780	17	257	127	330
N24001PU4_4440_3970	3	47	19	153
N24001PU5_3930_4170	30	233	239	2
N24001PU5_4170_4020	0	2	0	1
N24001PU6_3870_3690	4	62	14	23
N24001PU6_4020_3870	9	72	27	0
	<b>626</b>	<b>6,553</b>	<b>4,757</b>	<b>13,316</b>

#### **Method Summary**

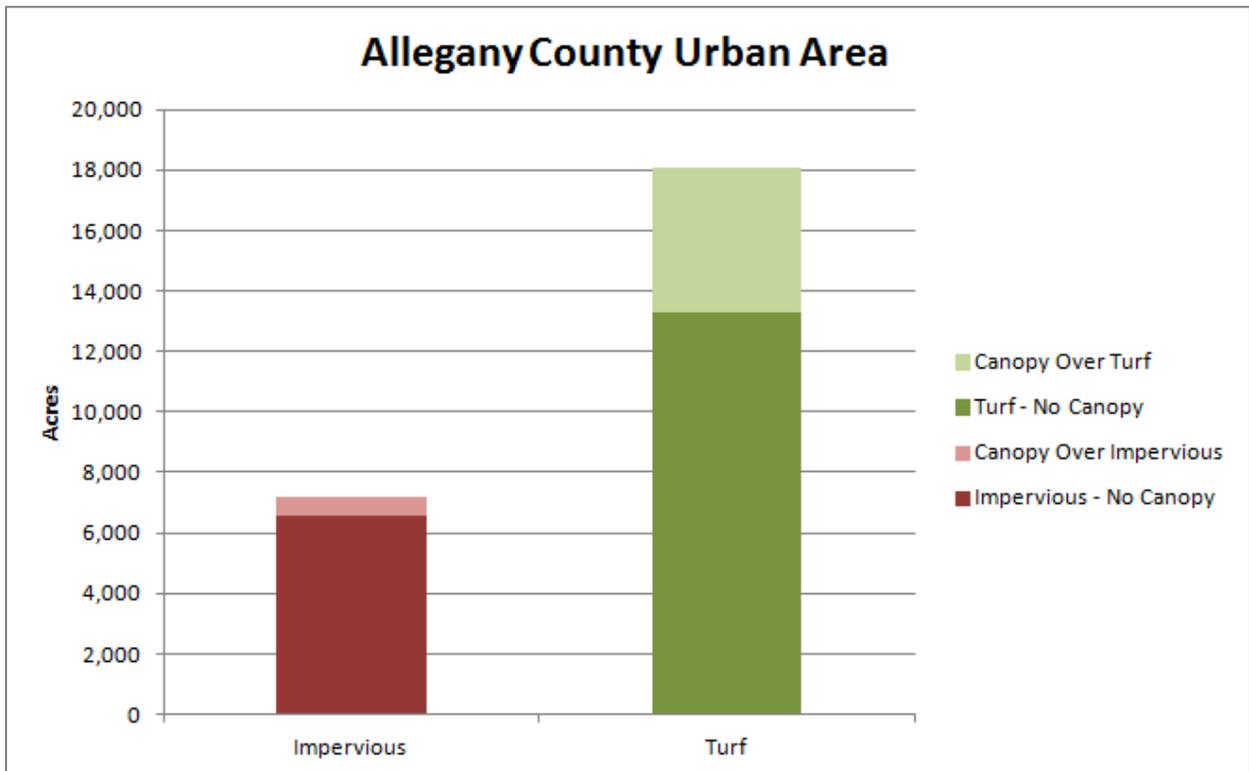
**Turf:** Calculated by applying the ratio of Chesapeake Bay Phase 5.3.2 Watershed Model urban pervious acres to impervious acres to the Phase 6 2012 impervious acres. MD acknowledges the inaccuracy of these turf acres. Turf estimates should be significantly improved upon in the final model Land Use, scheduled for completion in September 2016, and will utilize MD's sampling and statistical modeling approach.

**Impervious:** Calculated using 2005 planimetric data provided by the County. Projected to 2012 conditions using 1) MDP data for residential and non-residential parcels developed between the data imagery year and 2012, and 2) NAVTEQ roads data. NAVTEQ data were used to add in smaller roads and project to 2012 conditions. Coefficients were applied to correct for the features missing from the planimetric dataset: patios, recreational features, pools, and sidewalks. Lastly, estimates were adjusted down to account for tree canopy over impervious surface.

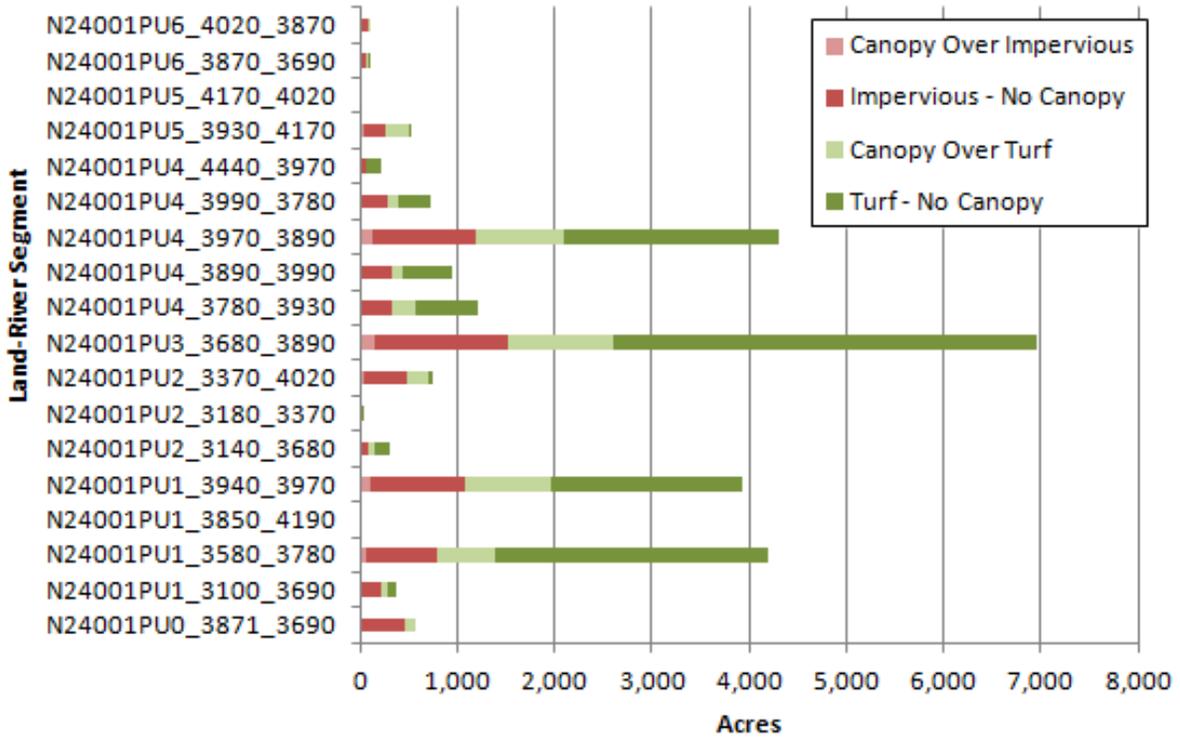
**Canopy Over Turf:** All mapped tree canopy (University of Maryland's 1 m resolution tree canopy cover data) that is not delineated as forest (> 1 acre of contiguous canopy cover and > 120 ft. wide) or associated with wetlands and is located within MD's urban mask. The urban

mask contains Phase 5.3.2 model urban and suburban zones, all parcels that have a >\$10,000 improvement value and are not Agriculture or large-lot Residential development, and all road right-of-ways.

**Canopy Over Impervious:** Calculated as the intersection of the impervious surface data provided by the county and the University of Maryland’s 1 m resolution tree canopy cover data. The intersect areas were adjusted up to account for any features missing from the county impervious surface data, based on the average percent of mapped impervious cover covered by canopy in the county.



## Allegany County Urban Area by Segment



## Allegany County Natural Area by Segment

Land-River Segment	Forest (Acres)	Canopy over Open Space (Acres)	Wetland (Acres)
N24001PU0_3871_3690	28,301.7	865.1	4.7
N24001PU1_3100_3690	6,998.4	3.5	22.9
N24001PU1_3580_3780	13,312.0	2.3	5.7
N24001PU1_3850_4190	254.0	93.5	93.5
N24001PU1_3940_3970	21,711.5	11.9	21.8
N24001PU2_3140_3680	2,693.2	14.2	28.1
N24001PU2_3180_3370	1,055.5	0.0	0.0
N24001PU2_3370_4020	31,893.0	7.8	31.6
N24001PU3_3680_3890	24,415.5	3.0	7.6
N24001PU4_3780_3930	7,678.9	4.9	29.0
N24001PU4_3890_3990	296.8	0.2	0.7
N24001PU4_3970_3890	24,842.3	39.9	151.4
N24001PU4_3990_3780	103.2	0.0	0.3
N24001PU4_4440_3970	213.8	0.1	0.4
N24001PU5_3930_4170	18,488.0	54.6	101.0
N24001PU5_4170_4020	865.6	0.1	8.0
N24001PU6_3870_3690	9,367.1	1.4	36.2
N24001PU6_4020_3870	7,228.9	2.3	7.6
	<b>199,719.5</b>	<b>1,104.7</b>	<b>550.5</b>

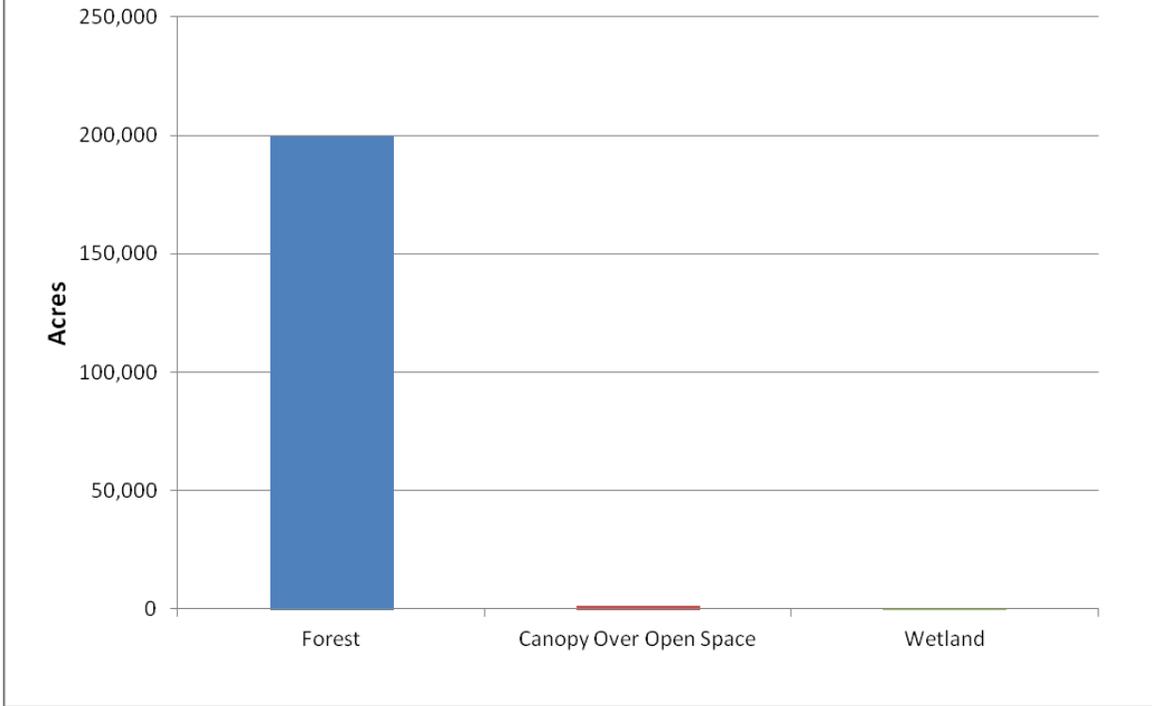
### **Method Summary**

**Forest:** Contiguous tree canopy cover (University of Maryland’s 1 m resolution tree canopy cover data) that is greater than 1 acre in size and greater than 120 ft in width. This area excludes any canopy cover associated with wetlands.

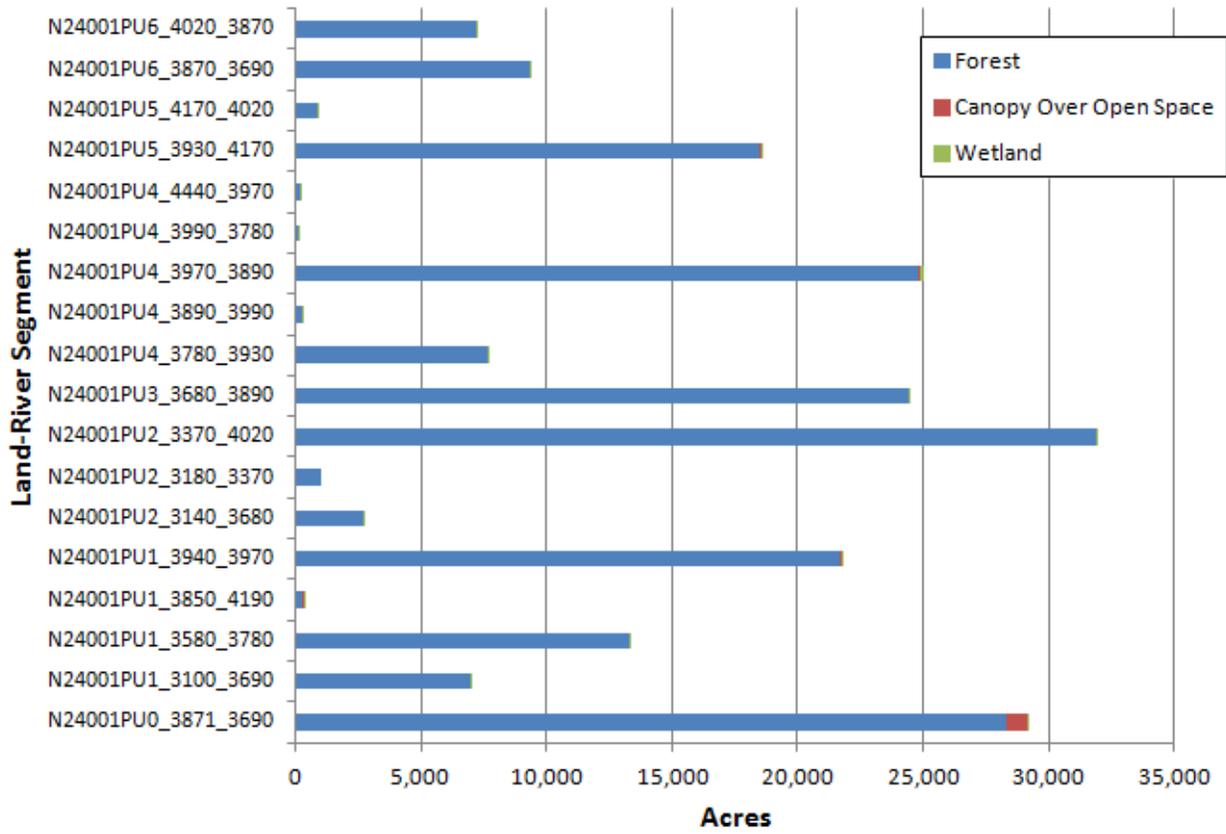
**Canopy over Open Space:** All tree canopy cover that is not forest, is not associated with wetlands, and falls outside MD's urban mask. The urban mask contains Phase 5.3.2 model urban and suburban zones, all parcels that have a >\$10,000 improvement value and are not Agriculture or large-lot Residential development, and all road right-of-ways.

**Wetlands:** Estimated using NWI and DNR wetland delineations, with open water areas removed. The acres presented here include tidal wetlands, but it should be noted that the Chesapeake Bay Program Partnership recently decided to move tidal wetlands from the watershed model to the estuarine water quality model.

## Allegheny County Natural Acres



## Allegheny County Natural Area by Segment



# Allegheny County Land-River Segments

