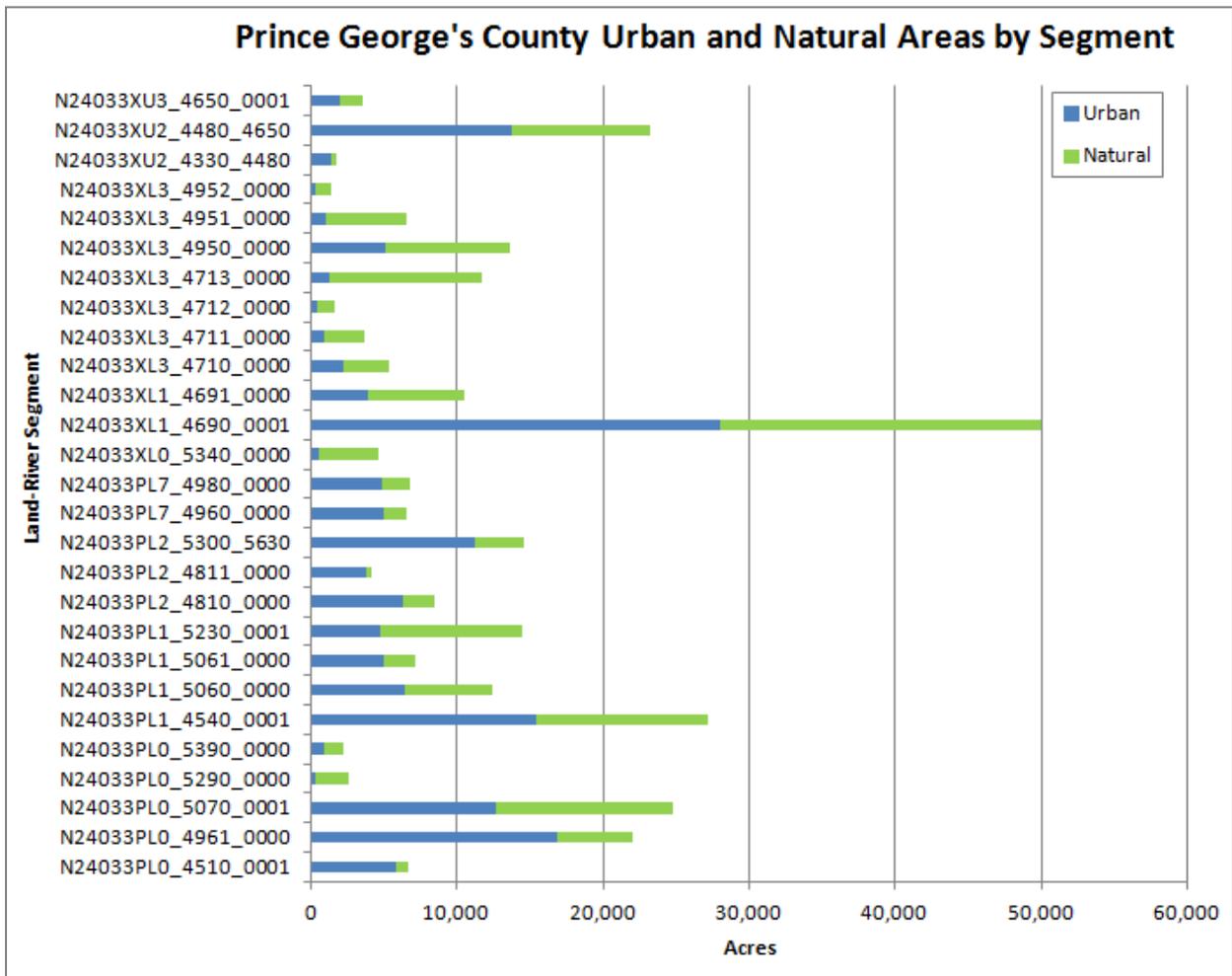
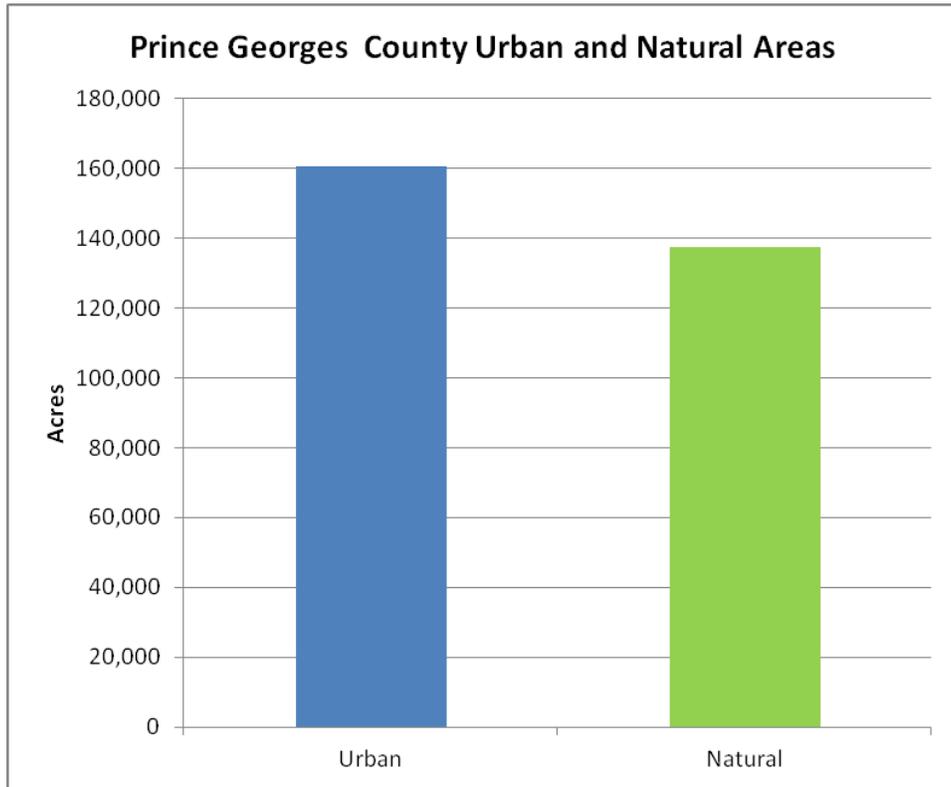


## MD Estimates for the Chesapeake Bay Phase 6 Watershed Model Land-Use, Version 1: Prince George's County Summary

**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.

### Prince George's County Urban and Natural Areas by Segment

Land-River Segment	Urban (Acres)	Natural (Acres)
N24033PLO_4510_0001	5,873.4	831.9
N24033PLO_4961_0000	16,877.0	5,172.2
N24033PLO_5070_0001	12,689.4	12,103.4
N24033PLO_5290_0000	322.3	2,292.4
N24033PLO_5390_0000	928.5	1,350.4
N24033PL1_4540_0001	15,419.2	11,799.3
N24033PL1_5060_0000	6,416.0	6,047.1
N24033PL1_5061_0000	4,944.1	2,209.8
N24033PL1_5230_0001	4,794.1	9,672.4
N24033PL2_4810_0000	6,323.0	2,112.1
N24033PL2_4811_0000	3,858.9	332.4
N24033PL2_5300_5630	11,216.7	3,372.9
N24033PL7_4960_0000	4,991.6	1,556.9
N24033PL7_4980_0000	4,911.8	1,888.4
N24033XL0_5340_0000	598.1	4,077.2
N24033XL1_4690_0001	28,002.3	21,933.4
N24033XL1_4691_0000	3,929.2	6,573.8
N24033XL3_4710_0000	2,293.5	3,112.1
N24033XL3_4711_0000	913.2	2,763.3
N24033XL3_4712_0000	397.5	1,204.8
N24033XL3_4713_0000	1,261.8	10,433.9
N24033XL3_4950_0000	5,119.1	8,478.3
N24033XL3_4951_0000	995.8	5,574.5
N24033XL3_4952_0000	269.3	1,154.9
N24033XU2_4330_4480	1,459.3	278.5
N24033XU2_4480_4650	13,800.3	9,468.0
N24033XU3_4650_0001	2,035.6	1,522.6
	<b>160,641.0</b>	<b>137,316.9</b>



### Prince George's County Urban Area by Segment

Land-River Segment	Canopy Over Impervious (Acres)	Impervious - No Canopy (Acres)	Canopy Over Turf (Acres)	Turf - No Canopy (Acres)
N24033PLO_4510_0001	245	1,806	1,166	2,657
N24033PLO_4961_0000	331	3,733	2,241	6,716
N24033PLO_5070_0001	232	2,558	1,753	6,953
N24033PLO_5290_0000	24	83	85	54
N24033PLO_5390_0000	7	27	26	35
N24033PL1_4540_0001	766	7,154	4,127	11,185
N24033PL1_5060_0000	180	2,364	1,338	4,960
N24033PL1_5061_0000	53	303	251	628
N24033PL1_5230_0001	47	820	432	1,817
N24033PL2_4810_0000	305	3,680	1,791	4,176
N24033PL2_4811_0000	56	638	280	789
N24033PL2_5300_5630	18	101	78	341
N24033PL7_4960_0000	185	1,953	1,064	2,914
N24033PL7_4980_0000	150	1,104	925	3,048
N24033XLO_5340_0000	15	168	70	338
N24033XL1_4690_0001	791	10,007	5,618	22,329
N24033XL1_4691_0000	100	914	597	2,917
N24033XL3_4710_0000	62	877	496	1,523
N24033XL3_4711_0000	35	155	157	616
N24033XL3_4712_0000	13	42	47	279
N24033XL3_4713_0000	73	342	289	938
N24033XL3_4950_0000	39	236	172	786
N24033XL3_4951_0000	13	127	79	397
N24033XL3_4952_0000	7	65	71	164
N24033XU2_4330_4480	5	31	47	157
N24033XU2_4480_4650	372	3,789	2,414	9,248
N24033XU3_4650_0001	51	469	300	1,042
	<b>4,177</b>	<b>43,545</b>	<b>25,912</b>	<b>87,007</b>

#### **Method Summary**

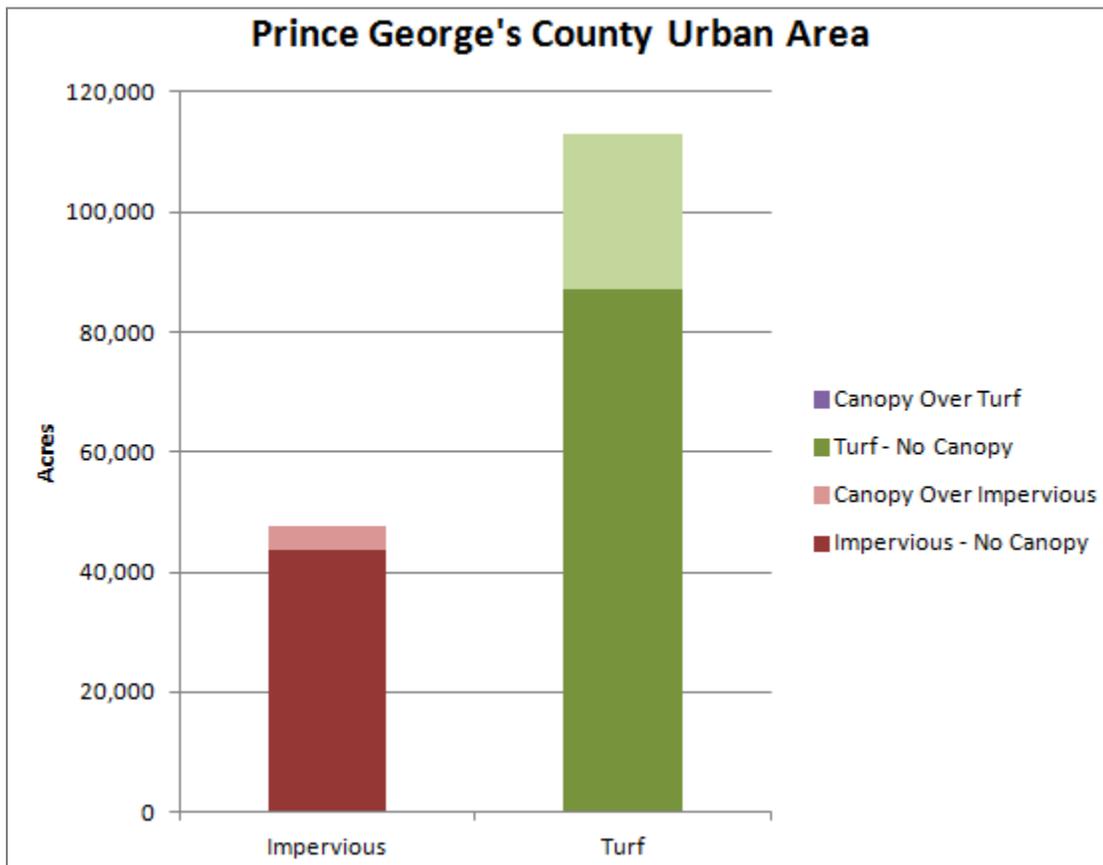
**Turf:** Calculated by applying the ratio of Chesapeake Bay Phase 5.3.2 Watershed Model urban pervious acres to impervious acres to the Phase 6 2012 impervious acres. MD acknowledges the inaccuracy of these turf acres. Turf estimates should be significantly improved upon in the final model Land Use,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

**Impervious:** Calculated using 2009 complete planimetric data provided by the County. Projected to 2012 conditions using 1) MDP data for residential and non-residential parcels

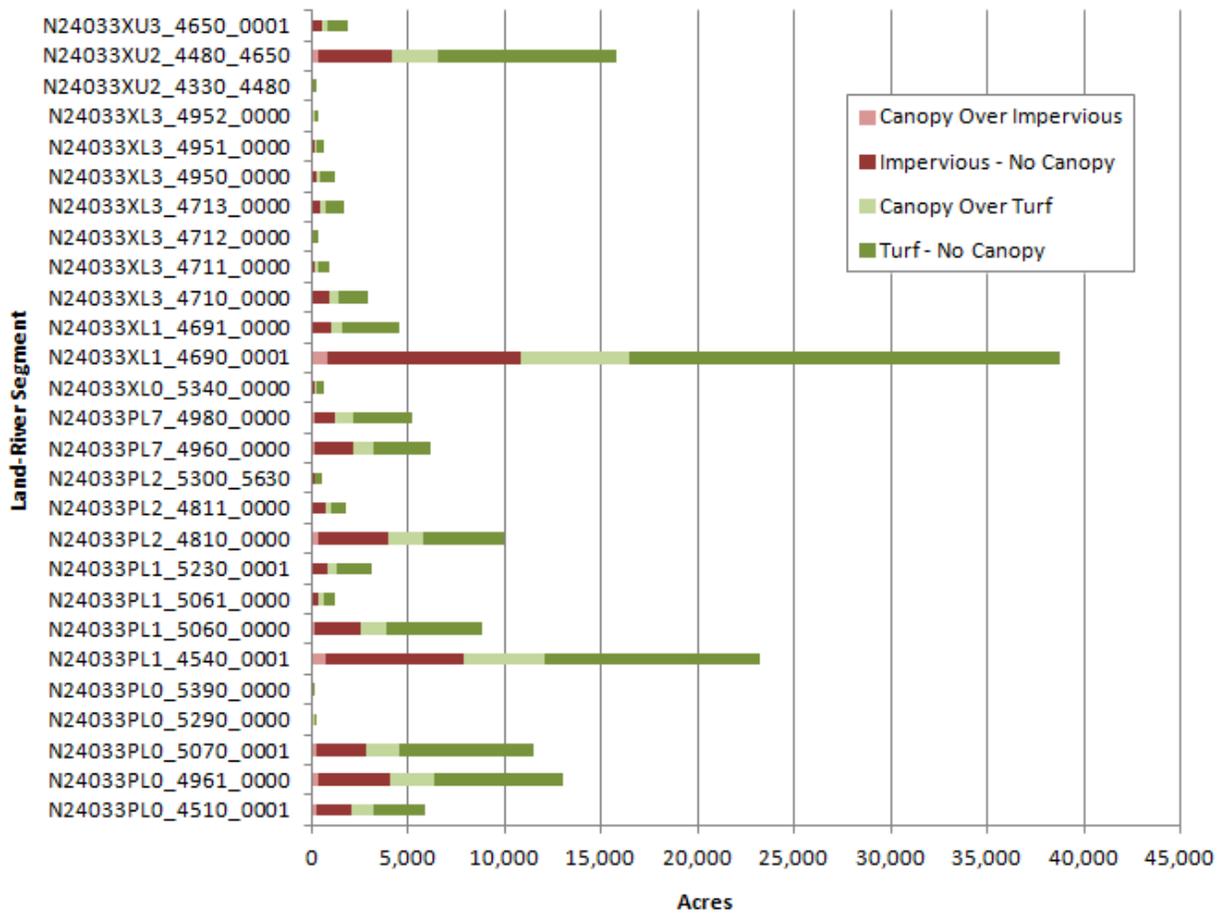
developed between the data imagery year and 2012, and 2) NAVTEQ roads data. The planimetric data did not include a separate designation for roads, so NAVTEQ roads data were used to calculate the road impervious portion. Lastly, estimates were adjusted down to account for tree canopy over impervious surface.

**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.



### Prince George's County Urban Area by Segment



### Prince George's County Natural Area by Segment

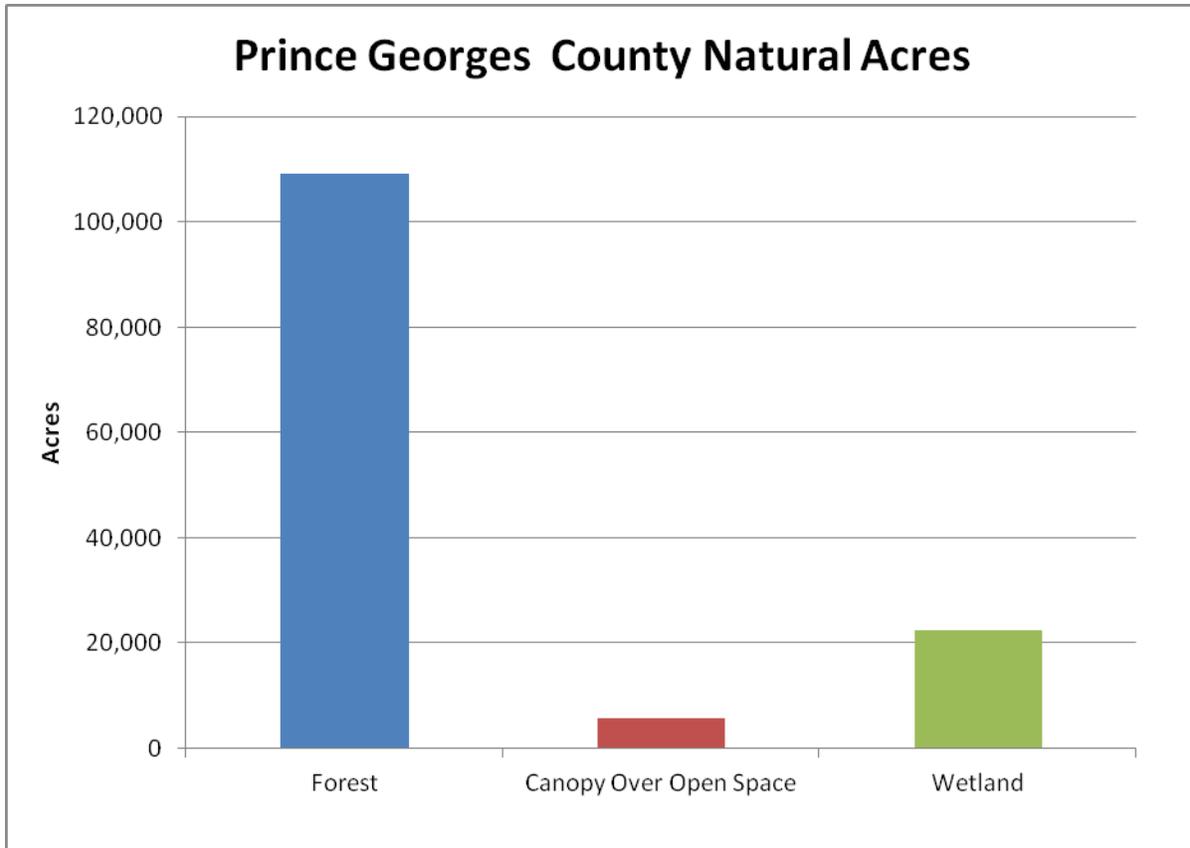
Land-River Segment	Forest (Acres)	Canopy over Open Space (Acres)	Wetland (Acres)
N24033PLO_4510_0001	684.8	14.9	132.2
N24033PLO_4961_0000	4,462.5	120.5	589.3
N24033PLO_5070_0001	9,673.4	550.1	1,879.9
N24033PLO_5290_0000	2,106.3	53.7	132.4
N24033PLO_5390_0000	1,290.6	29.0	30.7
N24033PL1_4540_0001	9,846.2	130.4	1,822.7
N24033PL1_5060_0000	5,061.9	224.1	761.1
N24033PL1_5061_0000	1,859.9	53.8	296.2
N24033PL1_5230_0001	6,991.7	362.1	2,318.6
N24033PL2_4810_0000	1,954.8	30.2	127.1
N24033PL2_4811_0000	238.8	4.3	89.3
N24033PL2_5300_5630	2,815.3	89.2	468.4
N24033PL7_4960_0000	1,434.2	36.5	86.3
N24033PL7_4980_0000	1,655.1	34.6	198.6
N24033XL0_5340_0000	3,243.7	213.1	620.4
N24033XL1_4690_0001	17,587.8	1,004.7	3,340.9
N24033XL1_4691_0000	5,376.8	355.7	841.3
N24033XL3_4710_0000	2,304.9	227.9	579.3
N24033XL3_4711_0000	2,315.8	131.5	315.9
N24033XL3_4712_0000	597.9	68.2	538.7
N24033XL3_4713_0000	7,875.2	731.3	1,827.4
N24033XL3_4950_0000	6,659.8	627.2	1,191.3
N24033XL3_4951_0000	4,063.6	408.5	1,102.4
N24033XL3_4952_0000	965.9	50.3	138.7
N24033XU2_4330_4480	270.1	8.4	0.0
N24033XU2_4480_4650	6,978.3	155.2	2,334.5
N24033XU3_4650_0001	903.9	30.3	588.4
	<b>109,219.0</b>	<b>5,745.9</b>	<b>22,352.0</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.



## Prince George's County Natural Area by Segment

