

# County will provide data in GIS format

- Locations of impervious surface:
  - Primary and accessory building footprints
  - Driveways
  - Parking Lots
  - Roads
- Phases 1 & 2 Rezoning by parcel
- Locations of municipal/county stormwater systems:
  - Inlets
  - Outfalls
  - Pipes
  - Drainage areas to these features
- Septic data including types and drainfield depths

# CBP Urban/Suburb/Rural Zones

CBP DATA				
Caroline County Source Area	Impervious Surfaces		Pervious Surfaces	
	(acres)	(%)	(acres)	(%)
Urban	840	21%	2,946	19%
Suburban Residential Lots	53	1%	1,298	8%
Suburban Roads	96	2%	0	0%
Rural Residential Lots	1,293	33%	11,240	73%
Rural Roads	1,640	42%	0	0%
Total	3,921	100%	15,484	100%

# CBP Urban/Suburb/Rural Zones

## Caroline County Data

Caroline County Source Area	Impervious Surfaces		Pervious Surfaces	
	(acres)	(%)	(acres)	(%)
Urban	1,620	39%	677	11%
Suburban Residential Lots	624	15%	2,931	49%
Suburban Roads	96	2%	0	0%
Rural Residential Lots	199	5%	2,399	40%
Rural Roads	1,640	39%	0	0%
Total	4,180	100%	6,007	100%

# Caroline County Impervious Surface Data

<b>Category</b>	<b>Square Footage</b>	<b>Acreage</b>
<b>Addressable Buildings</b>	<b>29,018,372.26</b>	<b>666.17</b>
<b>Accessory Buildings</b>	<b>26,956,898.46</b>	<b>618.85</b>
<b>Federalsburg Highway</b>	<b>3,494,383.20</b>	<b>80.22</b>
<b>Shore Highway</b>	<b>6,435,250.47</b>	<b>147.73</b>
<b>Roads</b>	<b>92,176,612.17</b>	<b>2,116.08</b>
<b>Driveways</b>	<b>98,447,036.52</b>	<b>2,260.03</b>
<b>Parking Lots</b>	<b>19,182,927.54</b>	<b>440.38</b>
<b>Subtotal</b>	<b>219,736,209.90</b>	<b>5,044.45</b>
<b>TOTAL</b>	<b>275,711,480.62</b>	<b>6,329.46</b>

# CBP Urban/Suburb/Rural Zone Analysis





# Caroline County Impervious Analysis



# Caroline County Residential Density

## Residential Densities of Largest Towns

<b>Municipalities</b>	<b>Average Improved lot size (sq.ft.)</b>	<b>Average Density (DUs/acre)</b>
<b>Federalsburg</b>	<b>16,100</b>	<b>2.7</b>
<b>Denton</b>	<b>23,000</b>	<b>1.9</b>
<b>Greensboro</b>	<b>16,400</b>	<b>2.7</b>
<b>Ridgely</b>	<b>14,000</b>	<b>3.1</b>
<b>Preston</b>	<b>17,400</b>	<b>2.5</b>
<b>AVERAGE</b>	<b>17,380</b>	<b>2.5</b>

Source: 2010 Maryland Propertyview for Caroline County, MDP.

# Caroline County Residential Density

## Average Lot Size and Maximum Density

### Residential Zones in Caroline County Unincorporated Area

County	Max Permitted Density (DUs/acre)	Average Lot Size Improved Parcels < 5 ac	Total Acres	Total Acres all Parcels
R-1 Zone	2	53,440 sqft	1,380	9,170
R-2 Zone	SF-MF 5	58,686 sqft	27	70



## High Intensity Development Downtown Denton



## High Intensity Development Downtown Baltimore



# Caroline County Impervious Analysis

- Questions
  - Can the analysis be parcel-driven (like we've done)?
  - Is 'rural urban' being attributed the same loading rate as 'metropolitan urban'? (see Goldsboro downtown vs. Baltimore City downtown)
  - Explain purpose of CBP buffering roads and urban pixels?
  - What is road/shoulder width being attributed to rural roads?