

## GOAL ANALYSIS

Cumberland County CAP - Scenario 3

Additional

BMP

Implementation

/ Verification Units

### *Agriculture Practices*

Nutrient Application Management Core Nitrogen	67,500	Acres
Nutrient Application Management Rate Nitrogen	17,010	Acres
Nutrient Application Management Placement Nitrogen	17,010	Acres
Nutrient Application Management Timing Nitrogen	17,010	Acres
Nutrient Application Management Core Phosphorus	67,500	Acres
Nutrient Application Management Rate Phosphorus	17,010	Acres
Nutrient Application Management Placement Phosphorus	17,010	Acres
Nutrient Application Management Timing Phosphorus	17,010	Acres

Conservation Tillage 1,860 Acres

High Residue Tillage 18,000 Acres

Low Residue Tillage

### **Conservation + LowResidue + High Residue Tillage**

Cover Crop 22,500 Acres

Cover Crop with Fall Nutrients 1,750 Acres

Commodity Cover Crop 750

### **Commodity + Cover Crop**

Pasture Alternative Watering

Prescribed Grazing 160 Acres

Horse Pasture Management

Forest Buffers on Fenced Pasture Corridor 17 Acres in Buffers

Grass Buffers on Fenced Pasture Corridor 43 Acres in Buffers

### **Pasture Management Composite**

Forest Buffers 50 Acres in Buffers

Wetland Restoration 48

Wetland Creation

Wetland Enhancement and Rehabilitation

Land Retirement

Grass Buffers 42 Acres in Buffers

Tree Planting

Alternative Crops

Soil and Water Conservation Plan 67,500 Acres

Crop Irrigation Management

Manure Incorporation

Agricultural Drainage Management

Capture & Reuse

Non Urban Stream Restoration 4,000 Feet

Non Urban Shoreline Management

Livestock Waste Management Systems 18,374 Animal Units

Poultry Waste Management Systems - Animal Units

### **Animal Waste Management Systems**

Livestock Mortality Composting

Poultry Mortality Composting

Broiler Mortality Freezers

Barnyard Runoff Control + Loafing Lot Management 40 Acres

Ag Stormwater Management

Manure Transport Out Of Area	-	Dry Tons
Manure Transport Into Area	-	Dry Tons
Manure Treatment Technologies Out Of Area		
Manure Treatment Technologies Into Area		

Dairy Precision Feeding	-	Animal Units
Ammonia Emission Reductions (Litter Amendments)		
Ammonia Emission Reductions (Biofilters)		
Ammonia Emission Reductions (Lagoon Covers)		

**Urban/Suburban Practices**

Runoff Reduction Performance Standard	669	Acres Treated
Storm Water Treatment Performance Standard		Acres Treated
Wet Ponds & Wetlands	300	Acres Treated
Floating Treatment Wetlands		Acres Treated by Wet Pond
Dry Ponds		Acres Treated
Extended Dry Ponds	168	Acres Treated
Infiltration Practices	47	Acres Treated
Filtering Practices		Acres Treated
BioRetention	913	Acres Treated
BioSwale	1,699	Acres Treated
Permeable Pavement	2	Acres Treated
Vegetated Open Channel	297	Acres Treated
Urban Filter Strips	4	Acres Treated
Grey Infrastructure(IDDE)	-	Acres Treated
Impervious Disconnection		Acres Treated
Conservation Landscaping Practices	250	Acres Treated

**Stormwater Management Composite**

Erosion and Sediment Control		Acres
Impervious Surface Reduction	15	Acres
Urban Forest Buffers	155	Acres in Buffers
Urban Grass Buffers		Acres in Buffers
Urban Tree Planting	8	Acres
Urban Forest Planting	250	Acres
Urban Nutrient Management	4,000	Acres
Urban Stream Restoration	9,560	Feet
Storm Drain Cleanout	116,356	Lbs of Sediment
Street Sweeping	150	Acres
Urban Shoreline Management		Feet

Septic Connections		Number of Systems
Septic Denitrification		Number of Systems
Septic Secondary Treatment		Number of Systems
Septic Effluent		Number of Systems
Septic Pumping		Number of Systems

**Resource Practices**

Forest Harvesting Practices		Acres
Abandoned Mine Reclamation		Acres
Dirt&Gravel Road E&S	19,800	Feet
Oyster Aquaculture		
Oyster Reef Restoration		

Non-Tidal Algal Flow-way  
Tidal Algal Flow-way

*Land Policy*

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Forest Conservation	3,290 Acres
Growth Management	
Agricultural Conservation	24,500 Acres
DC Policy	
Delaware Policy	
Maryland Policy	
Maryland Actions	
Pennsylvania Policy	
Virginia Policy	
West Virginia Policy	

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