



WIP Relative Load Reductions Source Sectors BMPs

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Verification Committee Meeting
Chesapeake Bay Program Office
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Agriculture Practices

LandRetire	Land Retirement	PrecRotGrazing	Prescribed Grazing
ForestBuffers	Forest Buffers	UpPrecIntRotGraze	Precision Intensive Rotational Grazing
ConserveTill	Conservation Tillage	MortalityComp	Mortality Composting
CoverCrop	Cover Crop	EffNutManDecAgVA	Decision Agriculture
AWMS	Animal Waste Management Systems	ForestBuffersTrp	Forest Buffers on Fenced Pasture Corridor
GrassBuffers	Grass Buffers	NoTill	Continuous NoTill
EnhancedNM	Enhanced Nutrient Application Management	WaterContStruc	Water Control Structures
CarSeqAltCrop	Carbon Sequestration	CropIrrmgmt	Crop Irrigation Management
ConPlan	Conservation Plans	EffNutManEnhanceVA	Enhanced Nutrient Application Management
ComCovCrop	Commodity Cover Crop	NonUrbStrmRest	NonUrban Stream Restoration
WetlandRestore	Wetland Restoration	LoafLot	Loafing Lot Management
DecisionAg	Decision Agriculture	OSWnoFence	Pasture Alternative Watering
PastFence	Stream Access Control with Fencing	ConserveTillom	Conservation-Till Specialty Crops
GrassBuffersTrp	Grass Buffers on Fenced Pasture Corridor	TreePlantTrp	Tree Planting on Fenced Pasture Corridor
DairyPrecFeed	Dairy Precision Feeding	PoultryPhytase	Poultry Phytase
PoultryInjection	Poultry Injection	SwinePhytase	Swine Phytase
TreePlant	Tree Planting	BioFilters	BioFilters
CaptureReuse	Capture & Reuse	HorsePasMan	Horse Pasture Management
ManureTransport	Manure Transport	LagoonCovers	Lagoon Covers
ContinuousNT	Continuous NoTill	NutMan	Nutrient Application Management on Crop
BarnRunoffCont	Barnyard Runoff Control	Alum	Ammonia Emission Reductions (Alum)
LiquidInjection	Liquid Injection		



Urban/Suburban Practices

Infiltration	Infiltration Practices
Filter	Filtering Practices
UrbanNutMan	Urban Nutrient Management
BioRet	BioRetention
WetPondWetland	Wet Ponds & Wetlands
SWMEra0210	SWM by Era (2002-2010)
ForestCon	Forest Conservation Act
ForestBufUrban	Forest Buffers
ExtDryPonds	Extended Dry Ponds
AbanMineRec	Abandoned Mine Reclamation
EandS	Erosion and Sediment Control
RetroSWM	Retrofit Stormwater Management
SWMEra8502	SWM by Era (1985-2002)
EandSext	Extractive Erosion and Sediment Control
UrbStrmRest	Urban Stream Restoration
barTOpul	Enhanced Construction EandS
VegOpChan	Vegetated Open Channel
ImpSurRed	Impervious Surface Reduction
UrbanTreePlant	Tree Planting
DryPonds	Dry Ponds
StreetSweep	Street Sweeping
PermPav	Permeable Pavement
UrbGrowRed	Urban Growth Reduction



Resource Practices – Septic – Wastewater+CSO

Resource Practices		Septic	Wastewater+CSO
ForHarvestBMP	Forest Harvesting BMPs	[Septic Connections]	
DirtGravel	Dirt&Gravel Road E&S	[Septic Denitrification]	
		[Septic Pumping]	

DRAFT



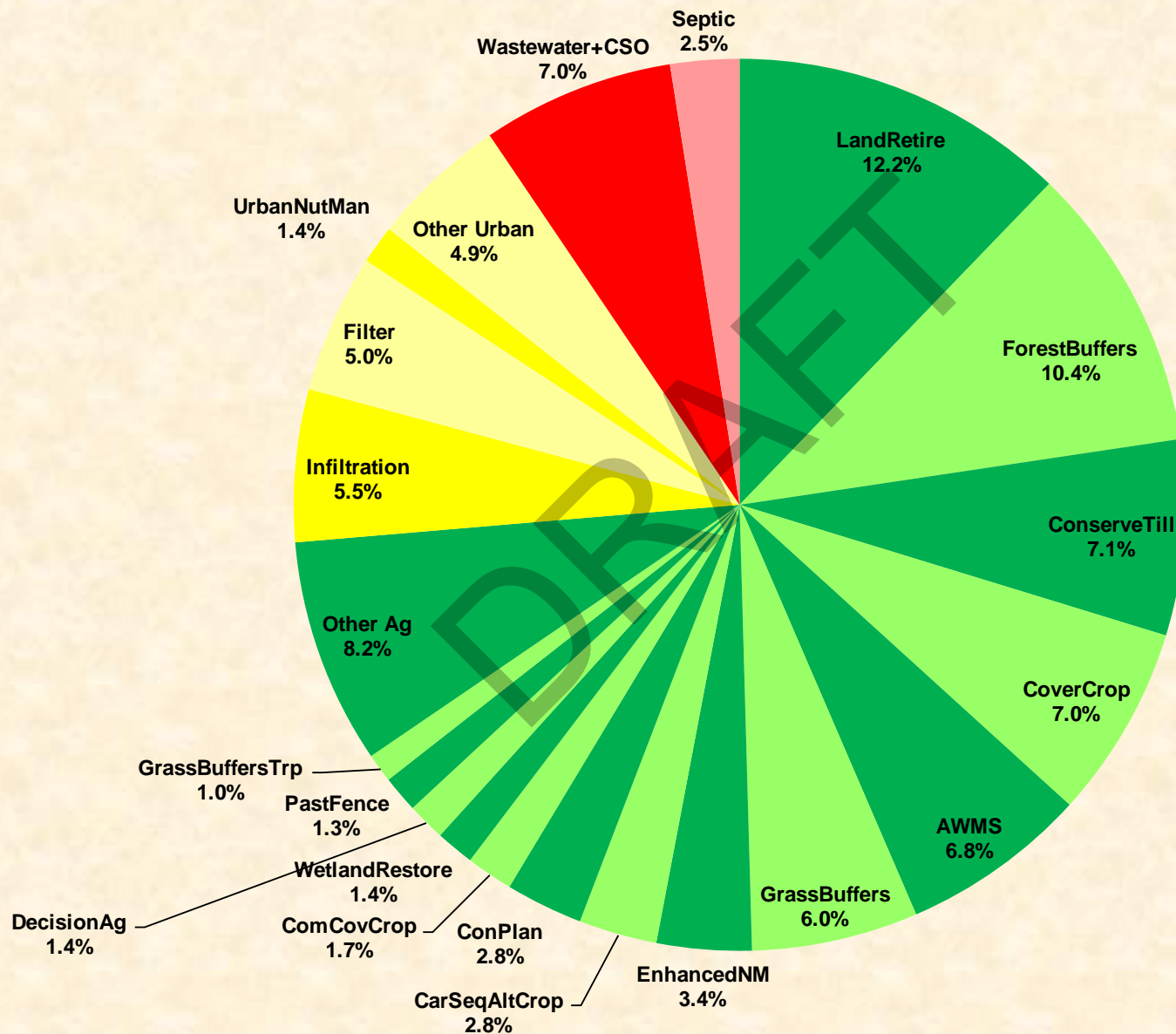
Nitrogen Reductions

Relative influence on load
reductions to the WIPs



Nitrogen Relative Load Reductions

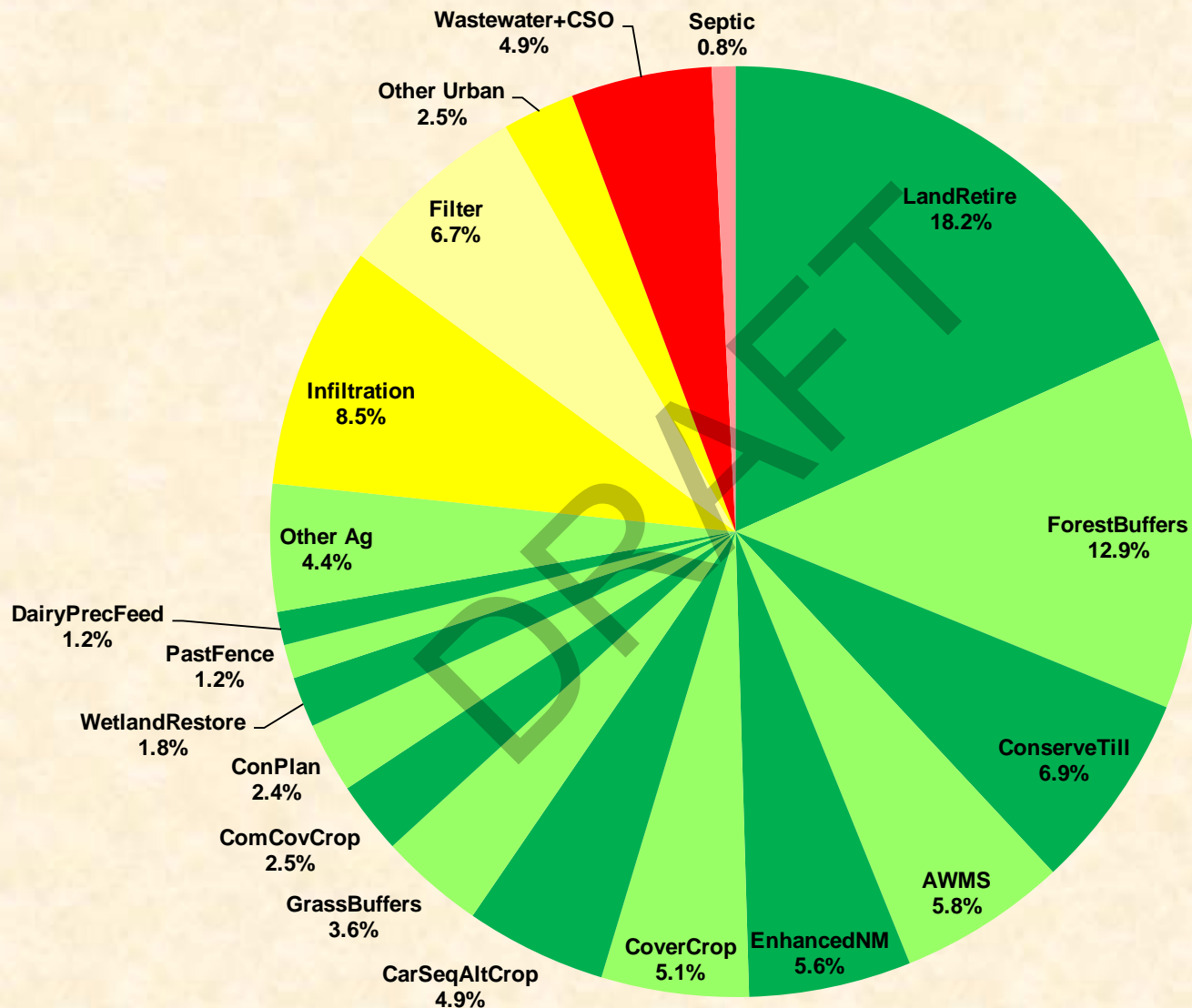
CB Watershed





Nitrogen Relative Load Reductions

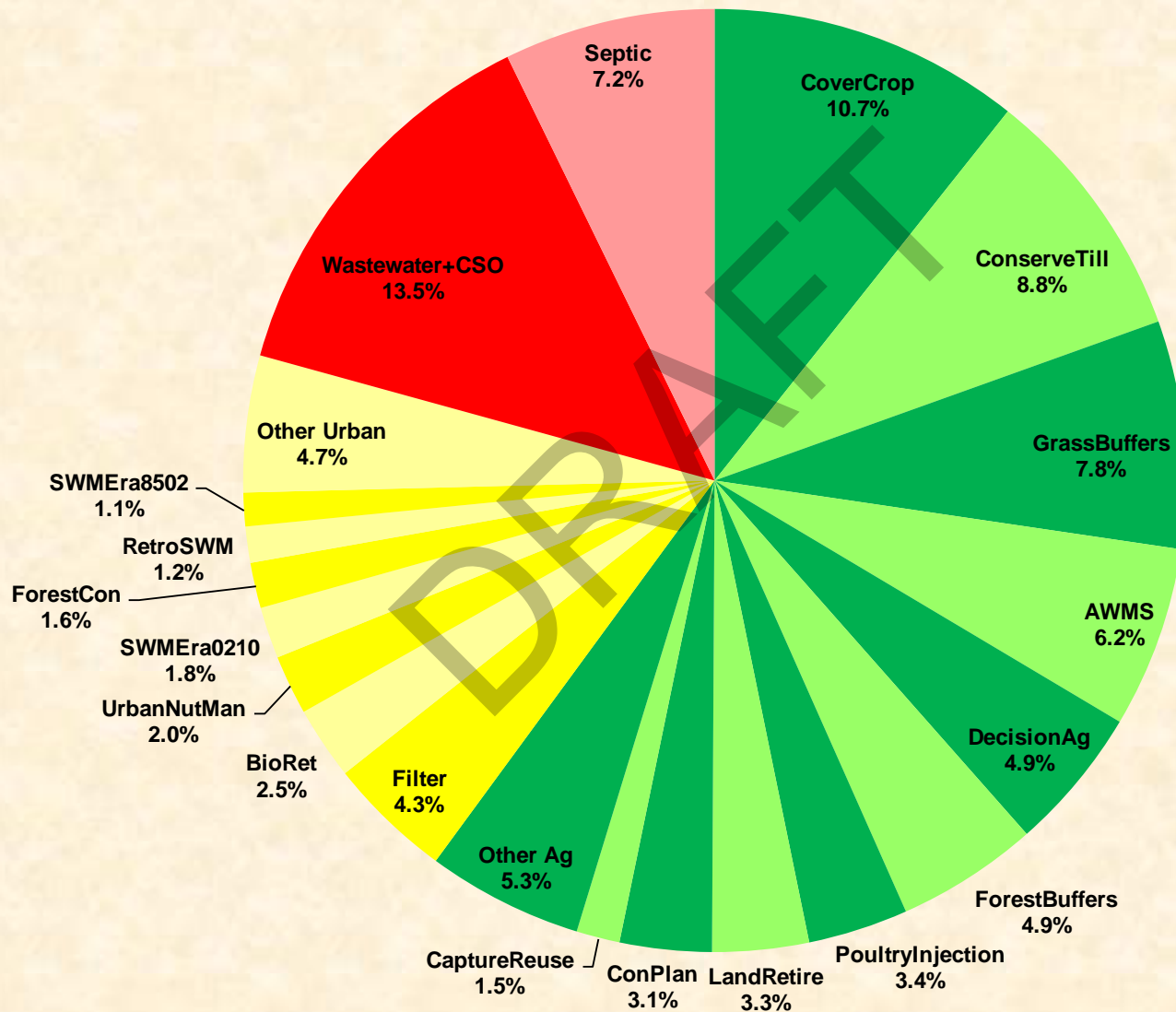
Pennsylvania





Nitrogen Relative Load Reductions

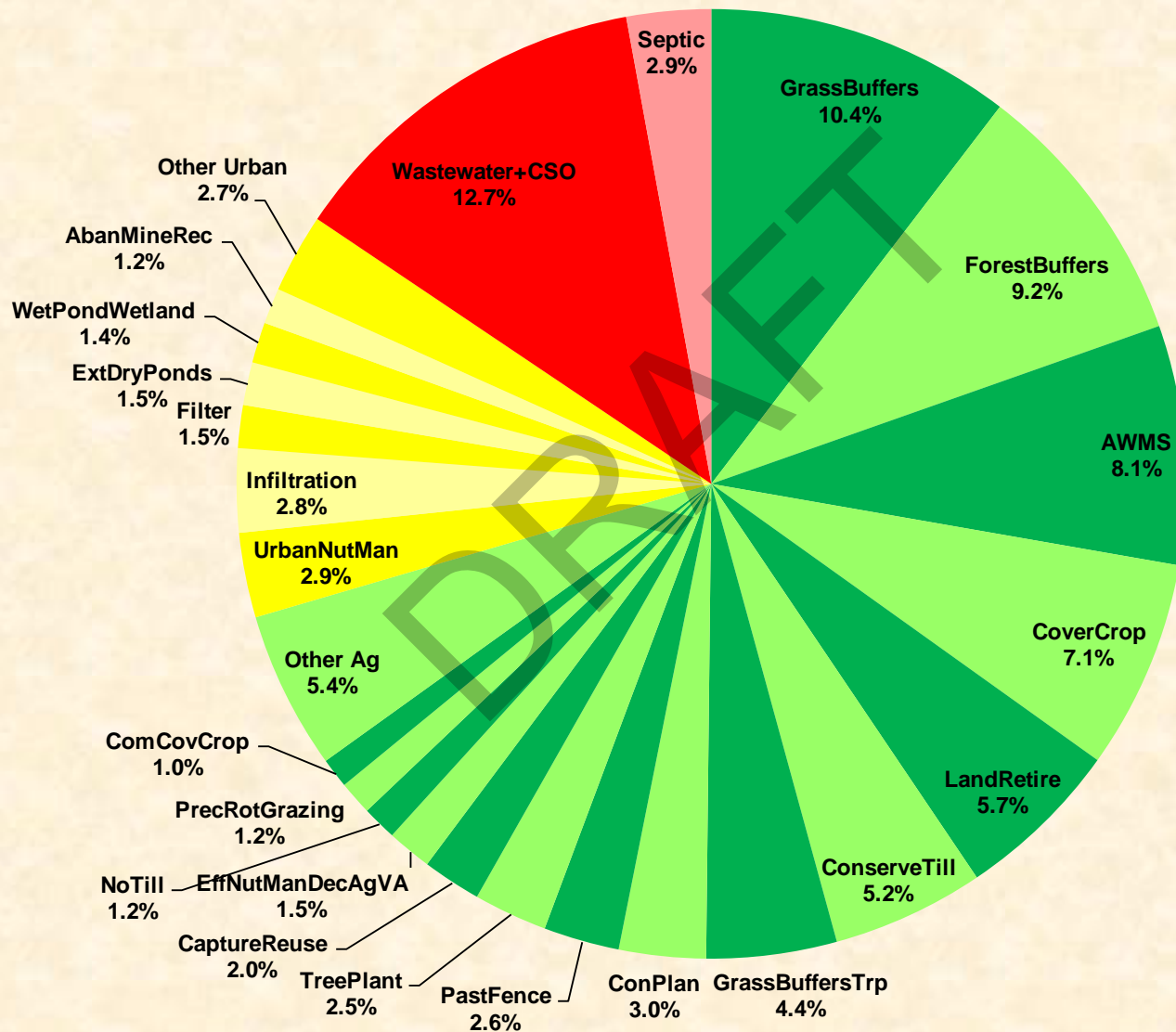
Maryland





Nitrogen Relative Load Reductions

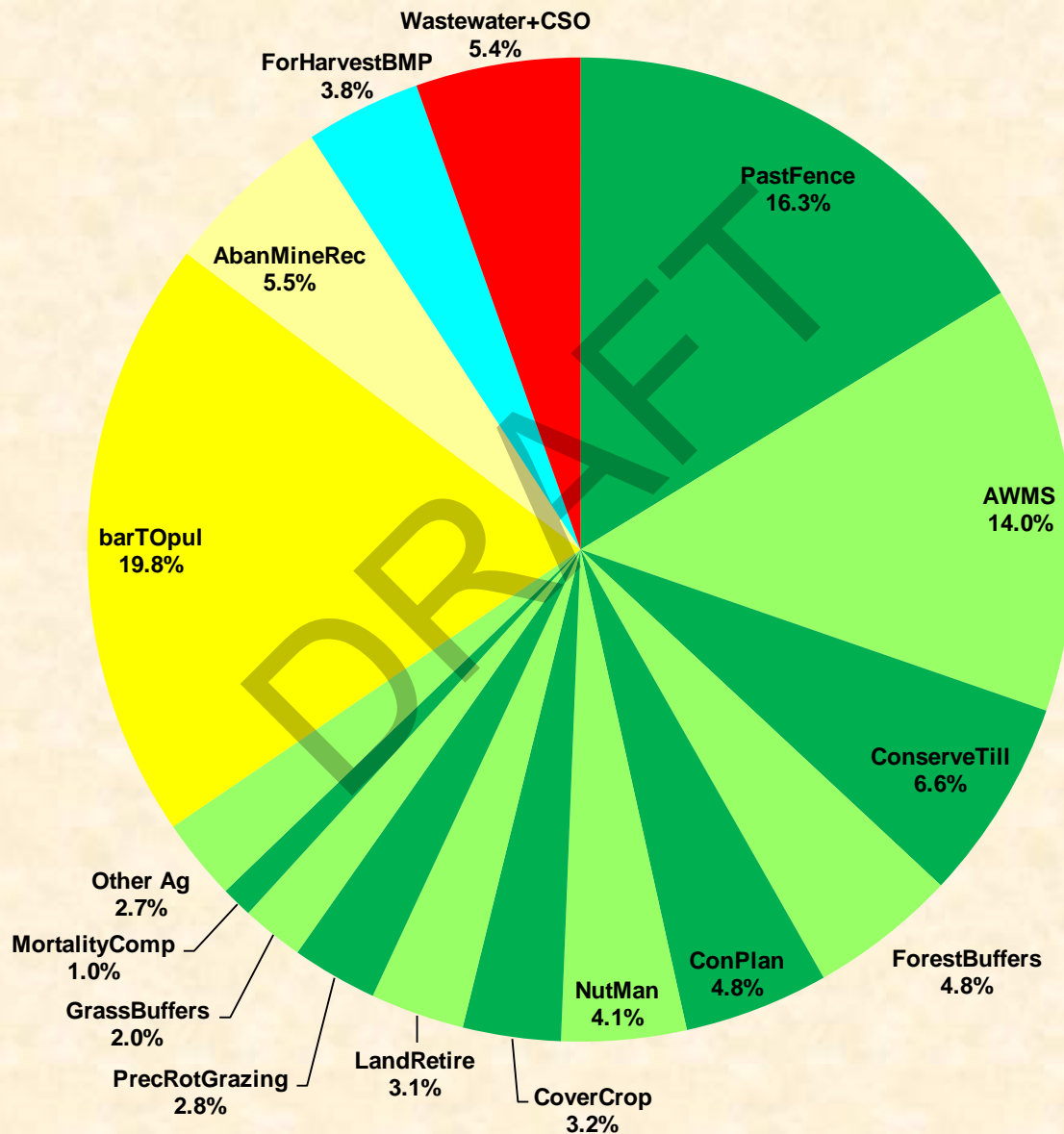
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Nitrogen Relative Load Reductions

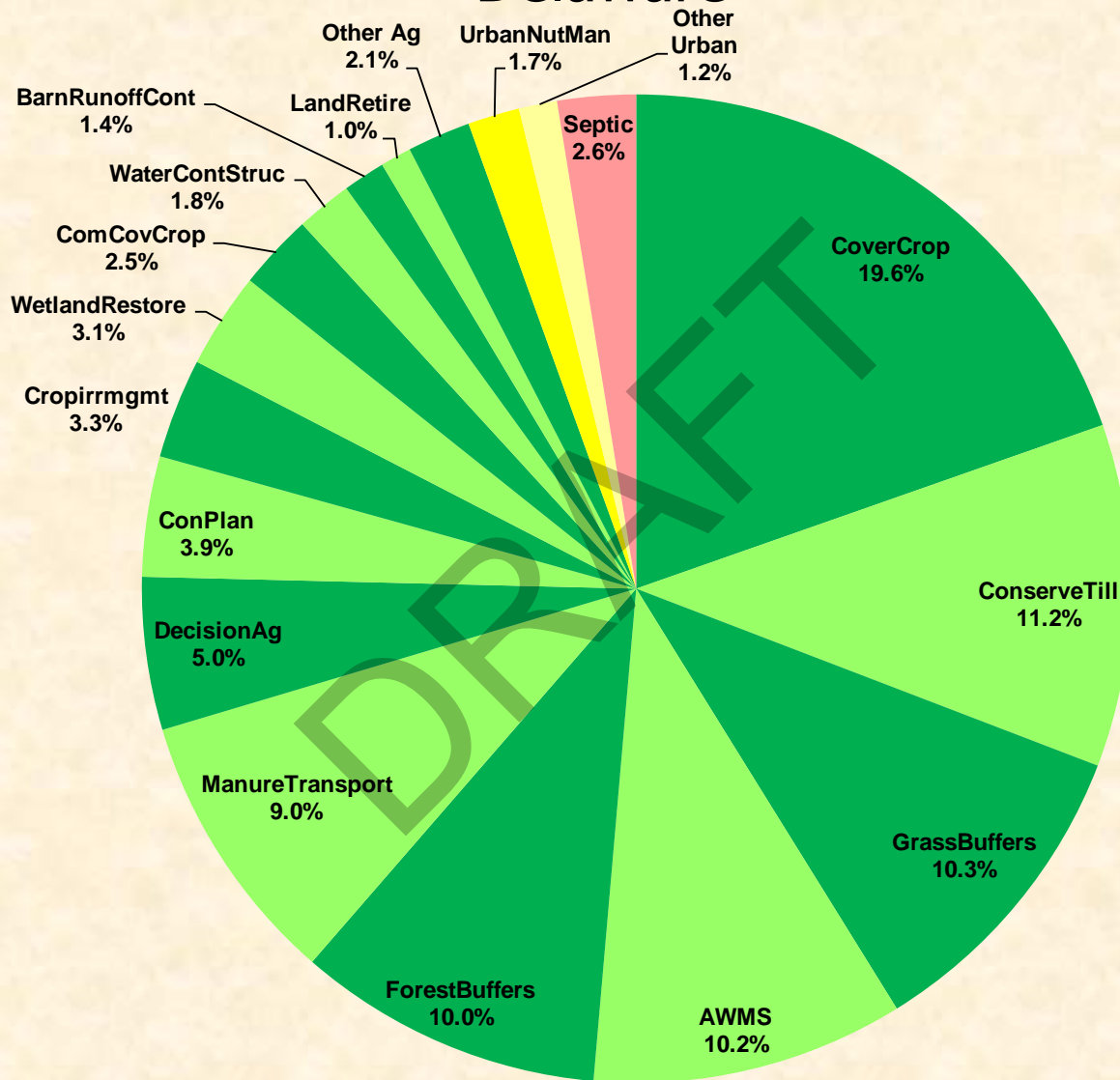
West Virginia





Nitrogen Relative Load Reductions

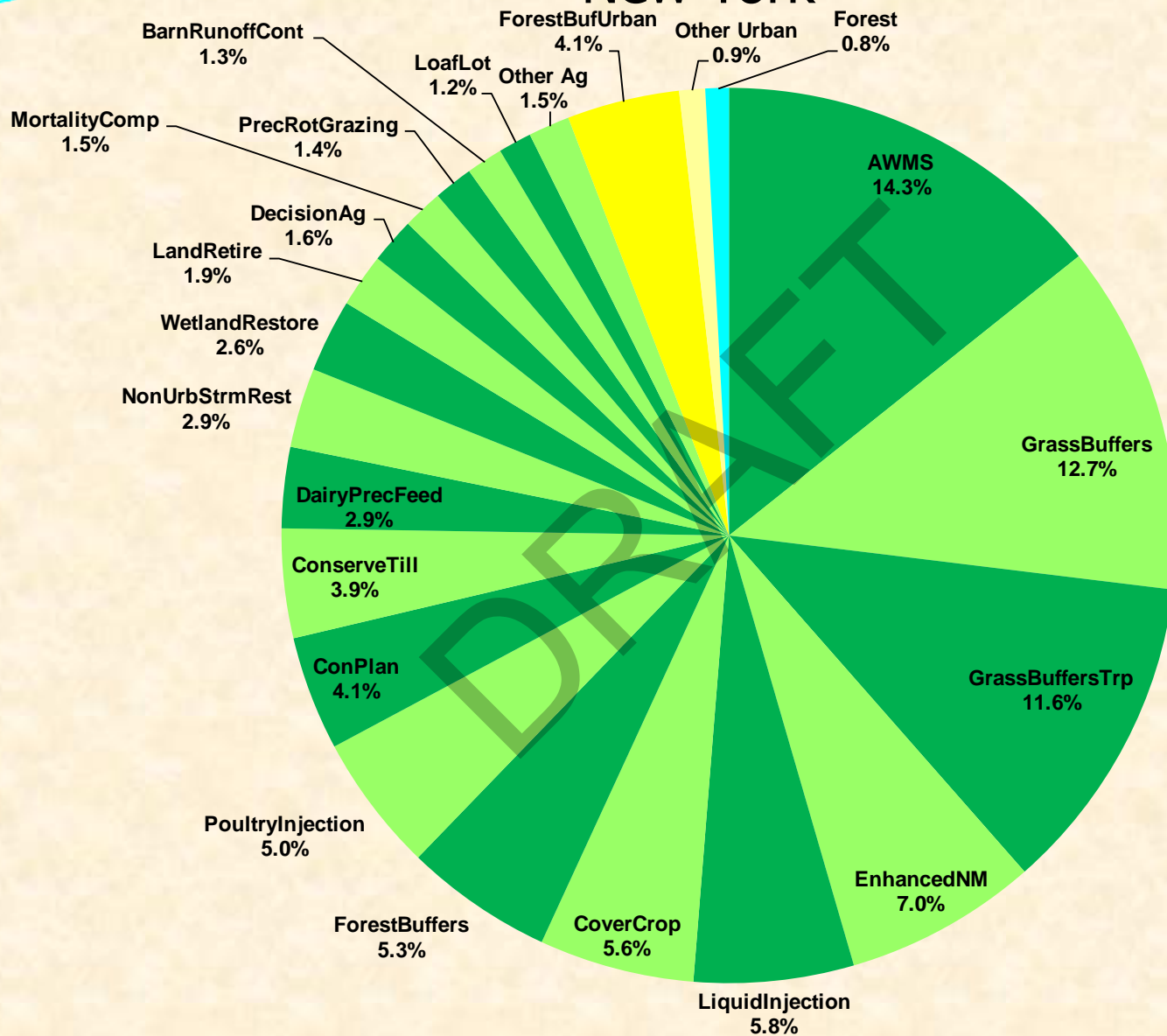
Delaware





Nitrogen Relative Load Reductions

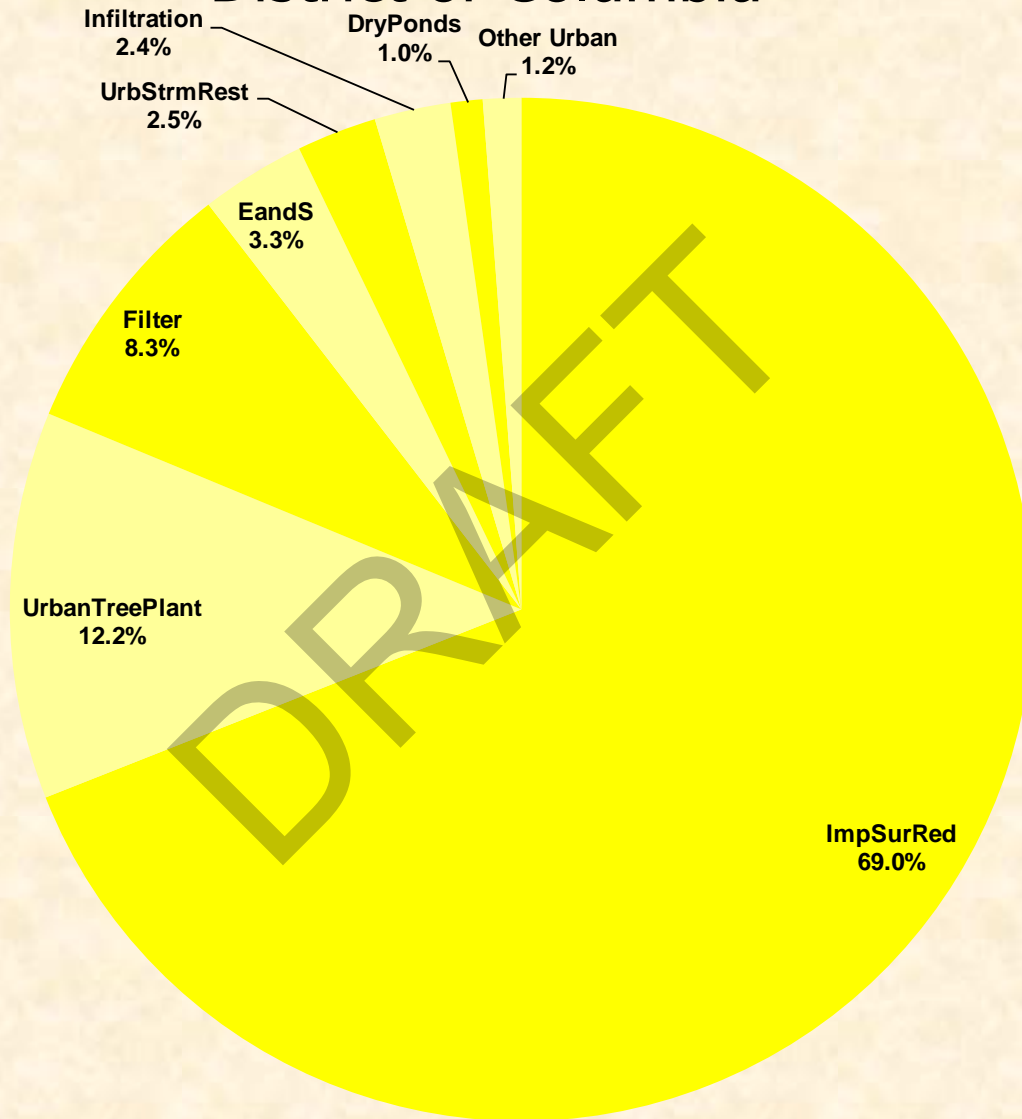
New York





Nitrogen Relative Load Reductions

District of Columbia





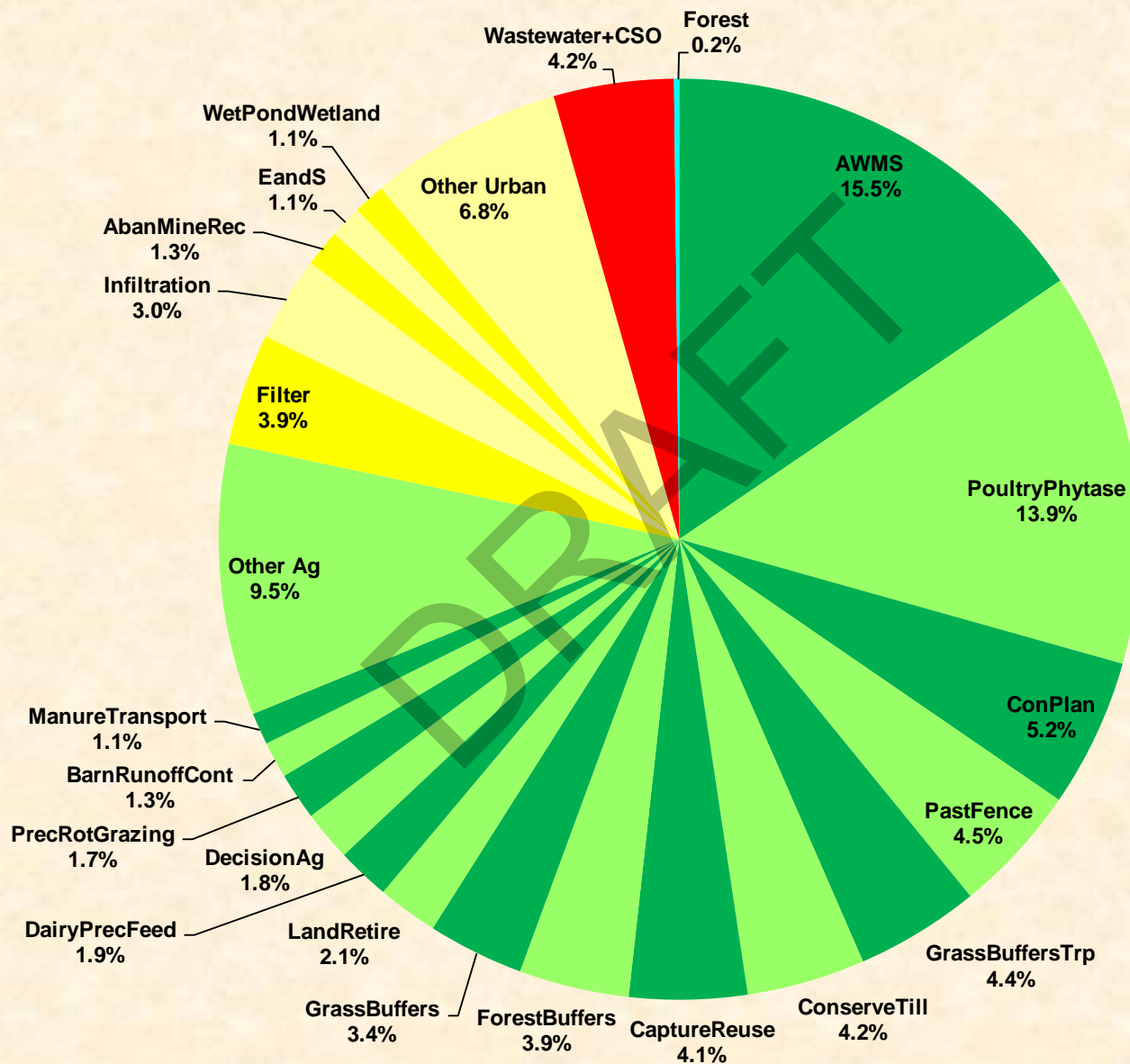
Phosphorus Reductions

Relative influence on load
reductions to the WIPs



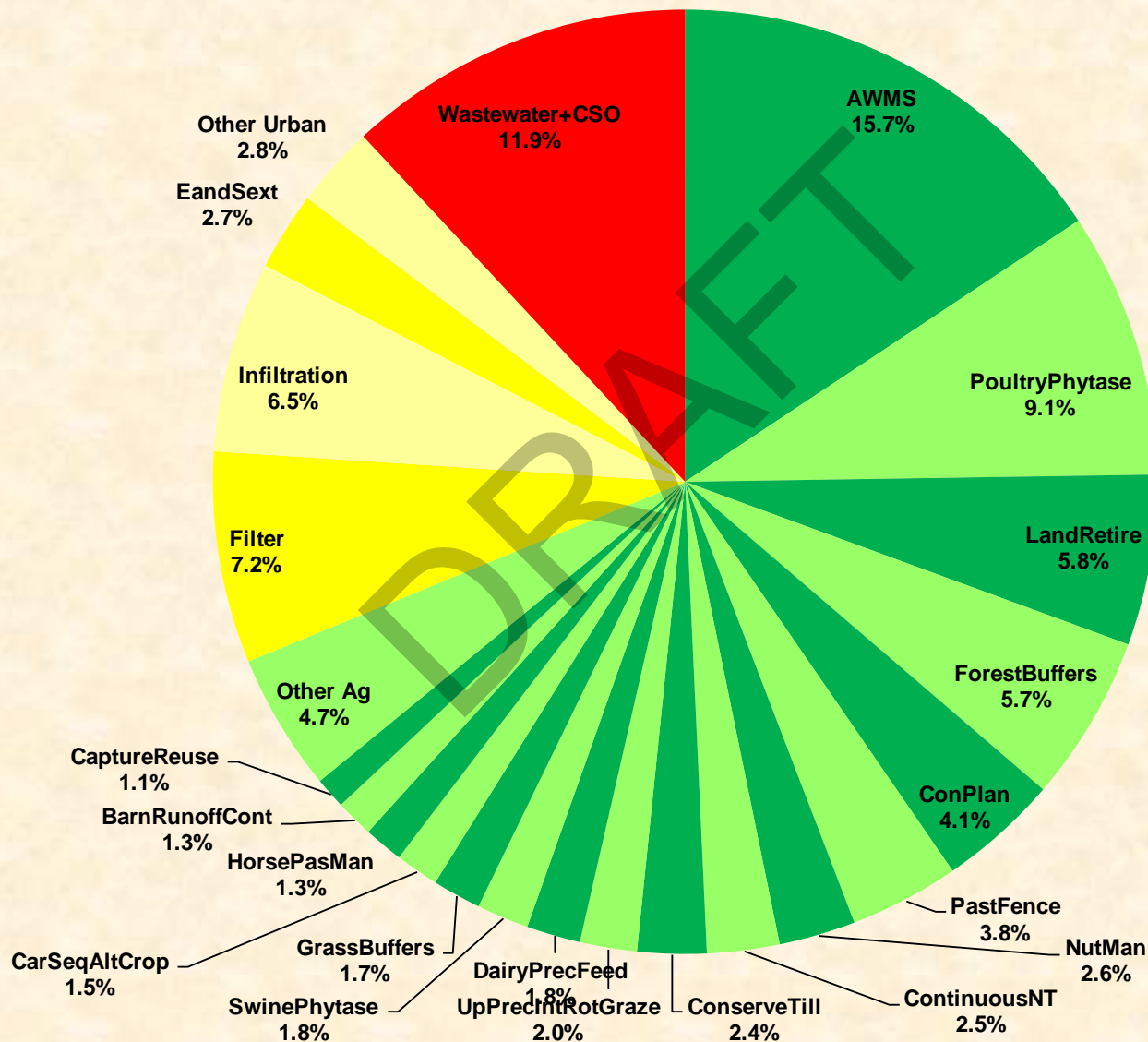
Phosphorus Relative Load Reductions

CB Watershed





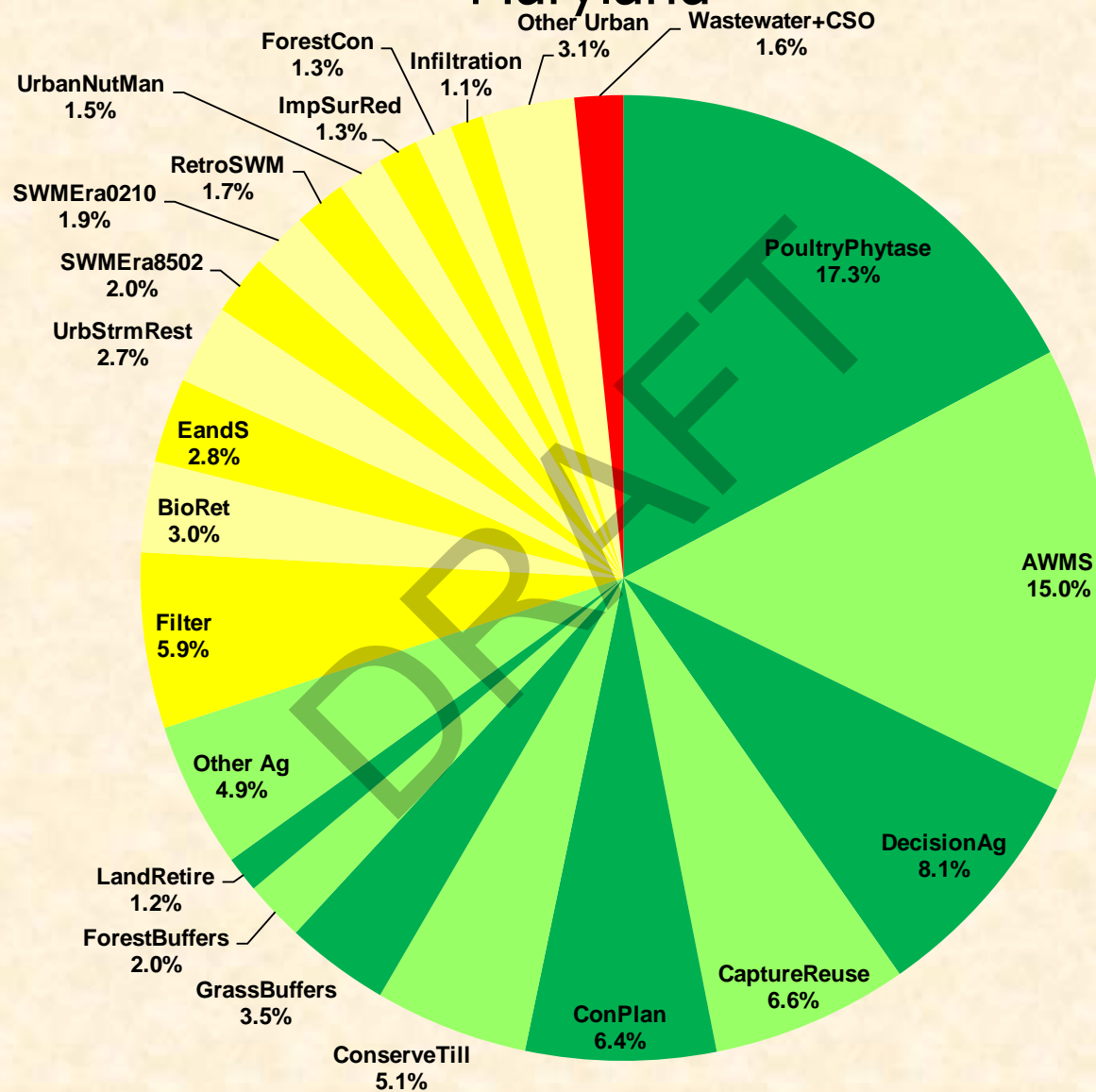
Phosphorus Relative Load Reductions Pennsylvania





Phosphorus Relative Load Reductions

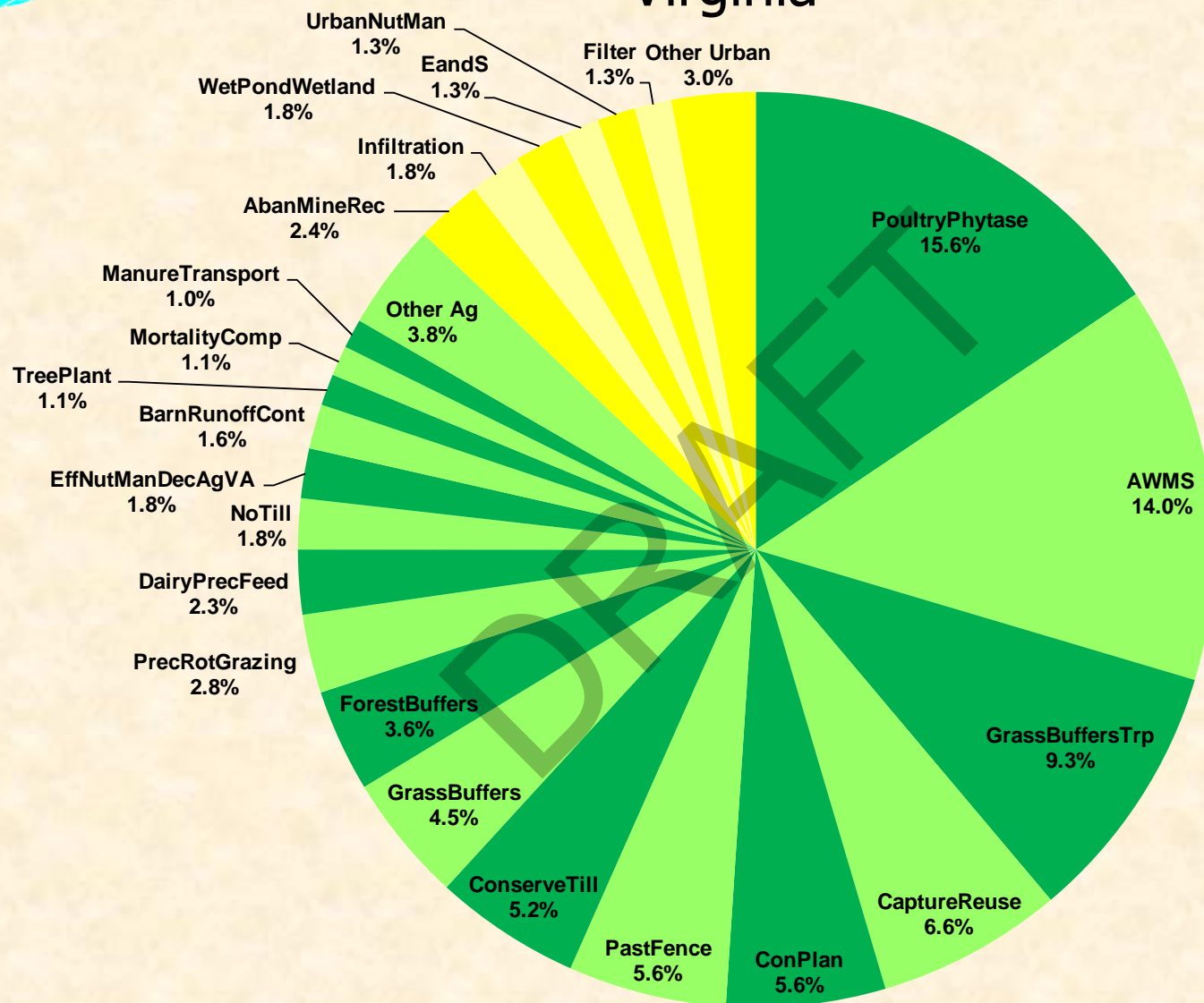
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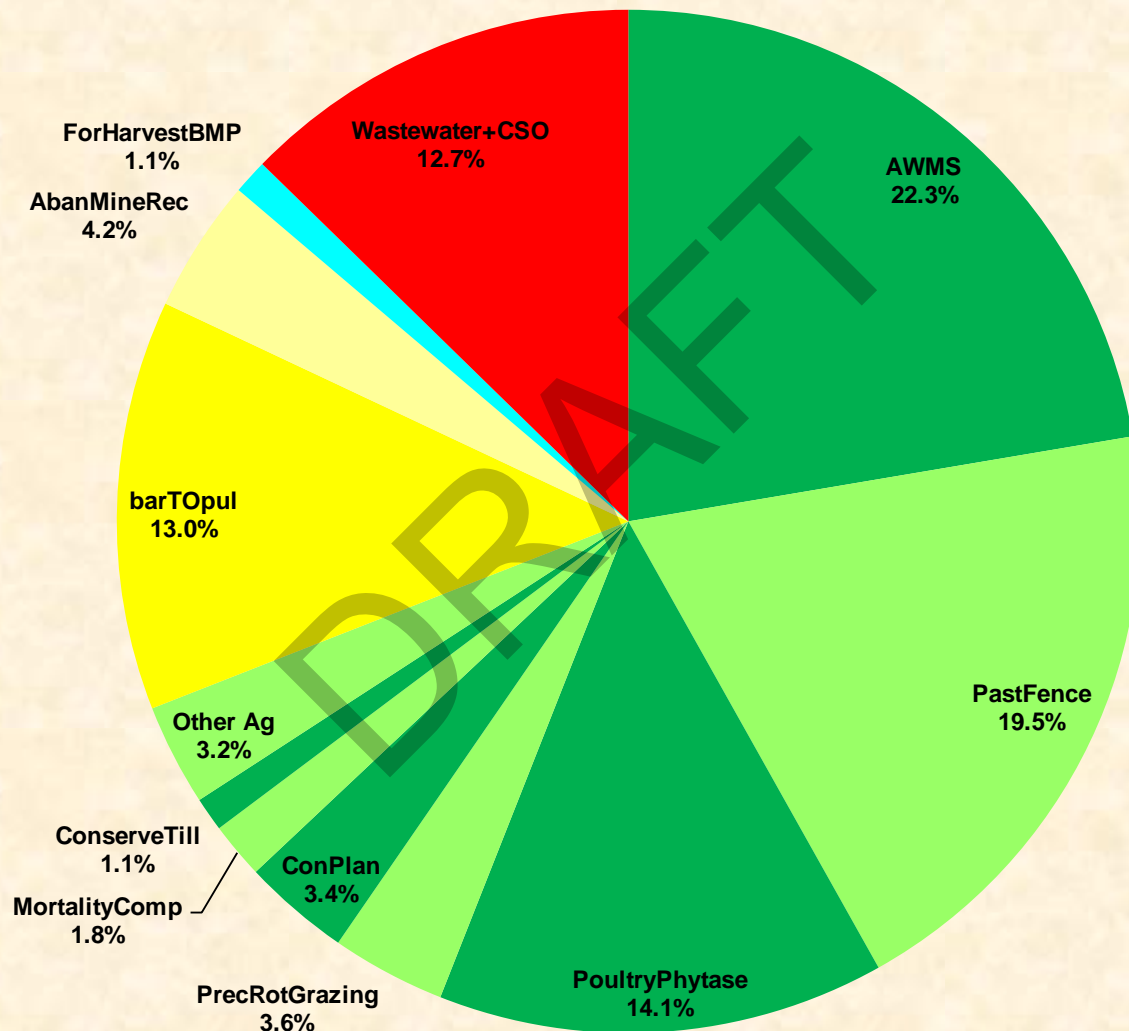
Phosphorus Relative Load Reductions

Virginia





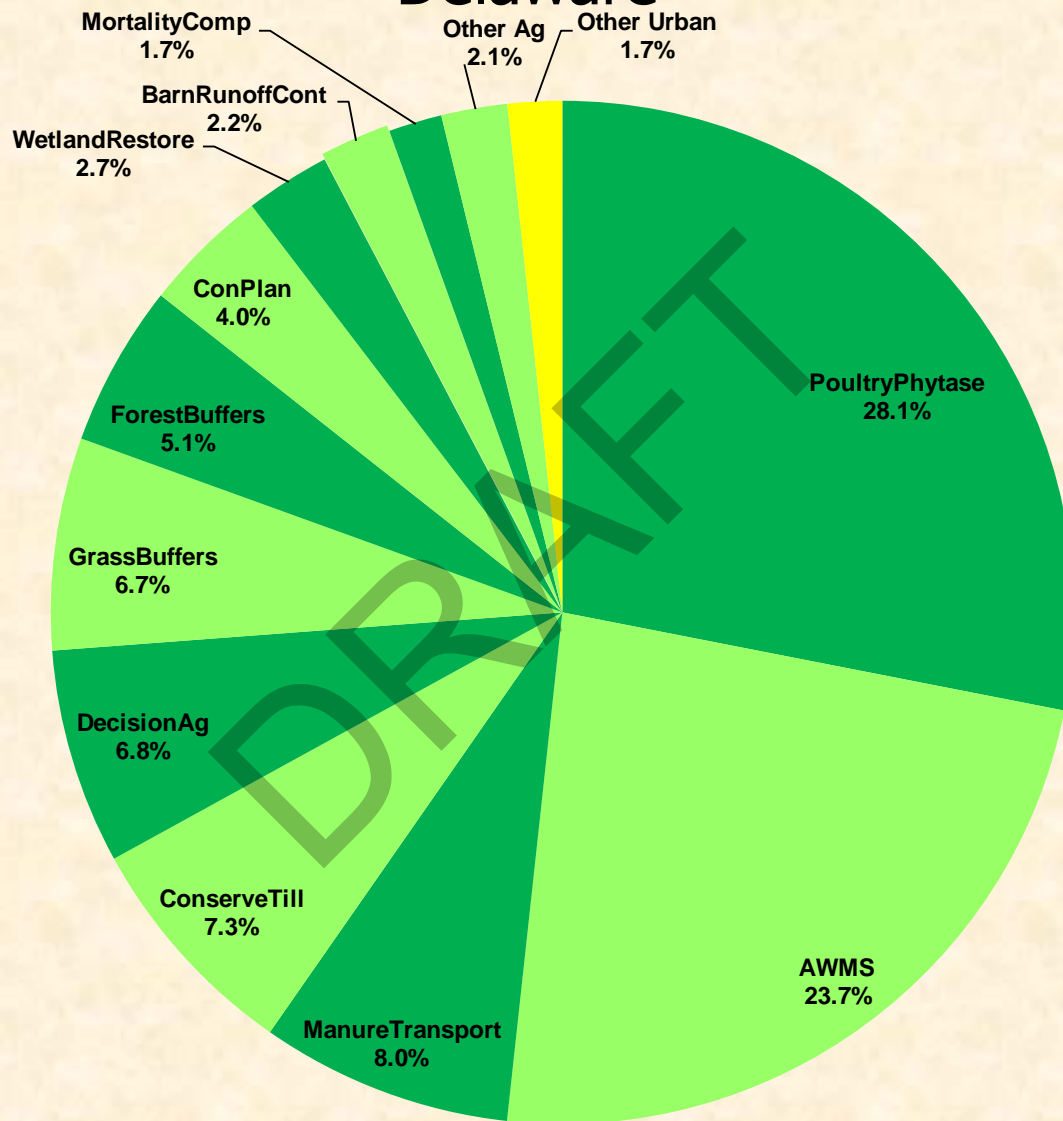
Phosphorus Relative Load Reductions West Virginia





Phosphorus Relative Load Reductions

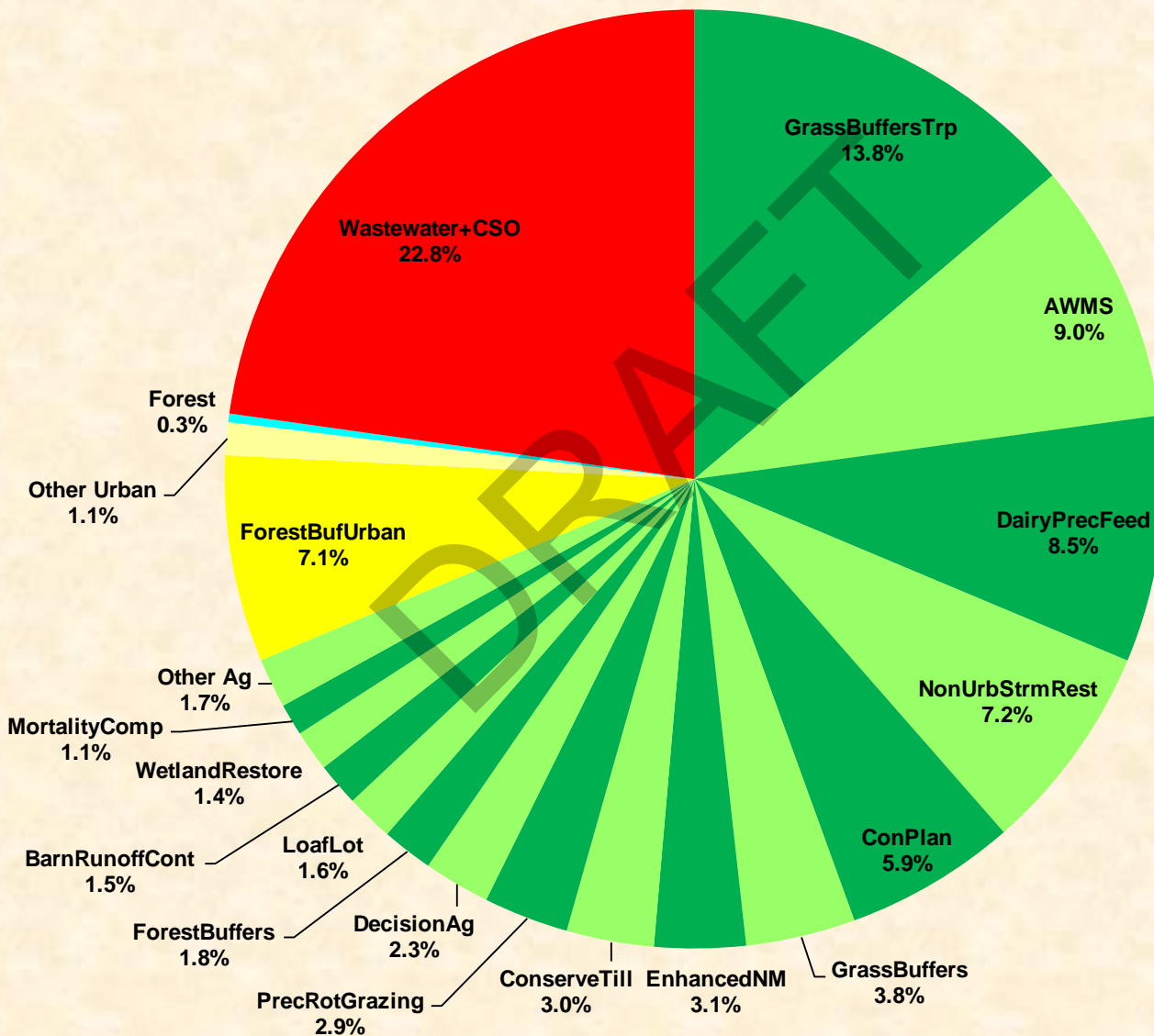
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Phosphorus Relative Load Reductions

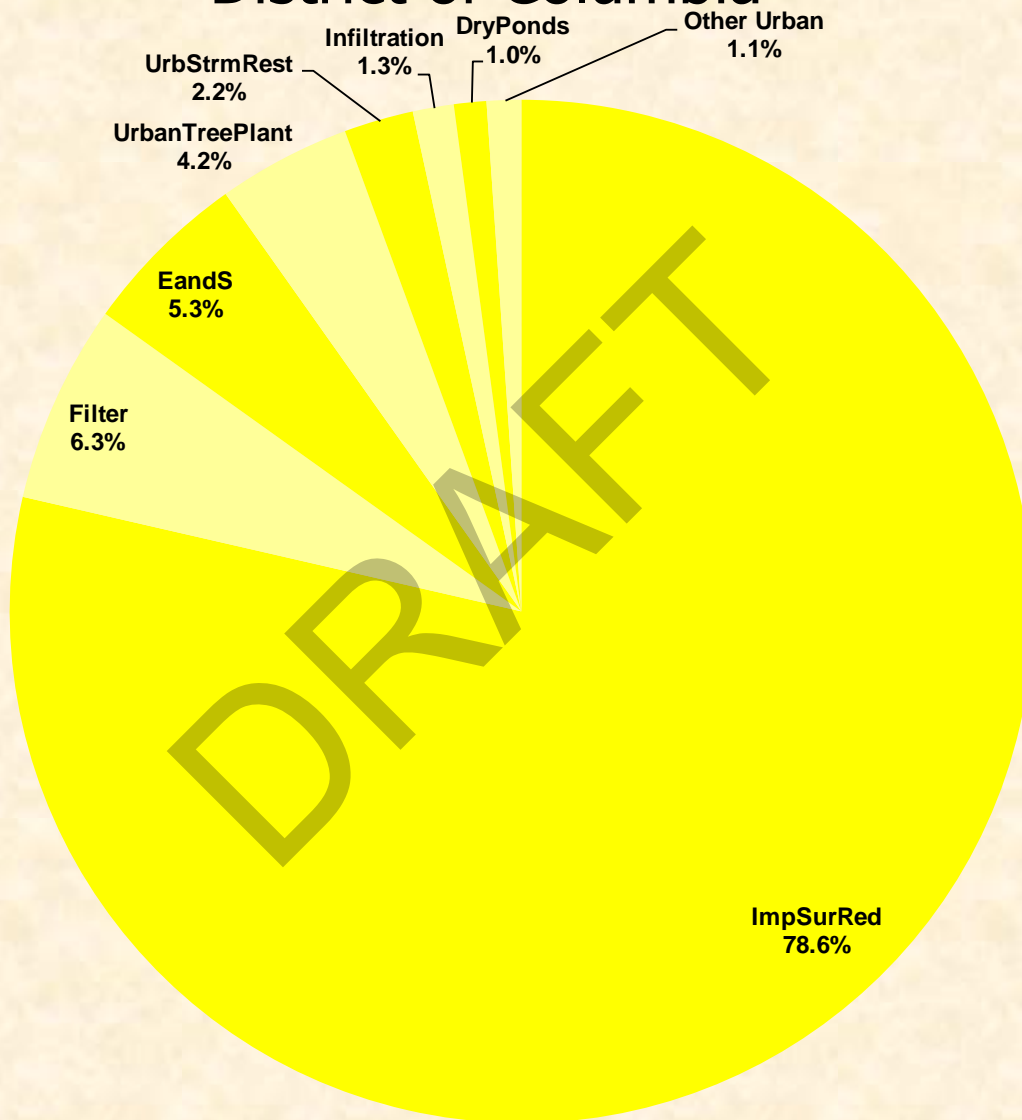
New York





Phosphorus Relative Load Reductions

District of Columbia





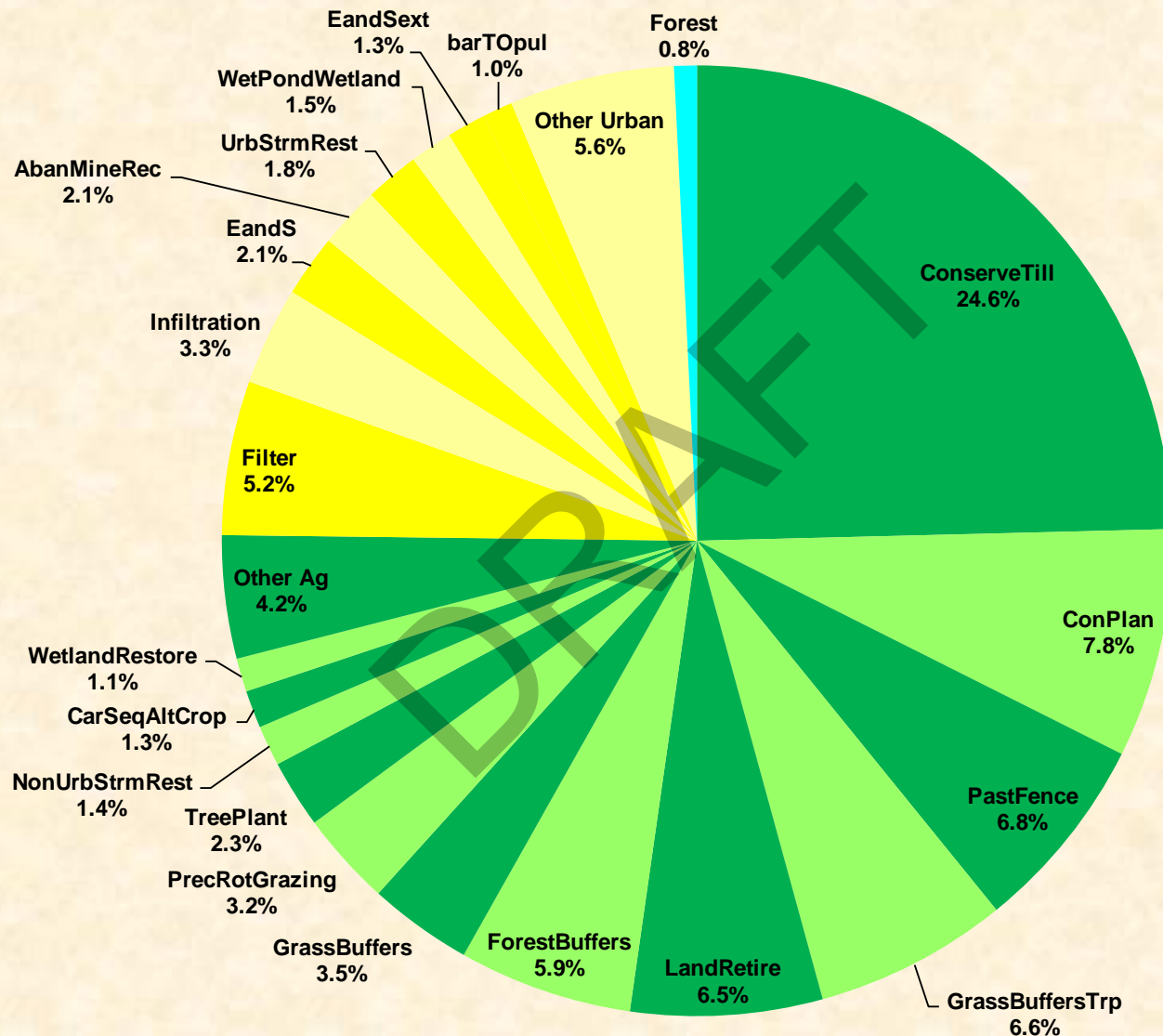
Sediment (Total Suspended Solids) Reductions

Relative influence on load
reductions to the WIPs



Sediment Relative Load Reductions

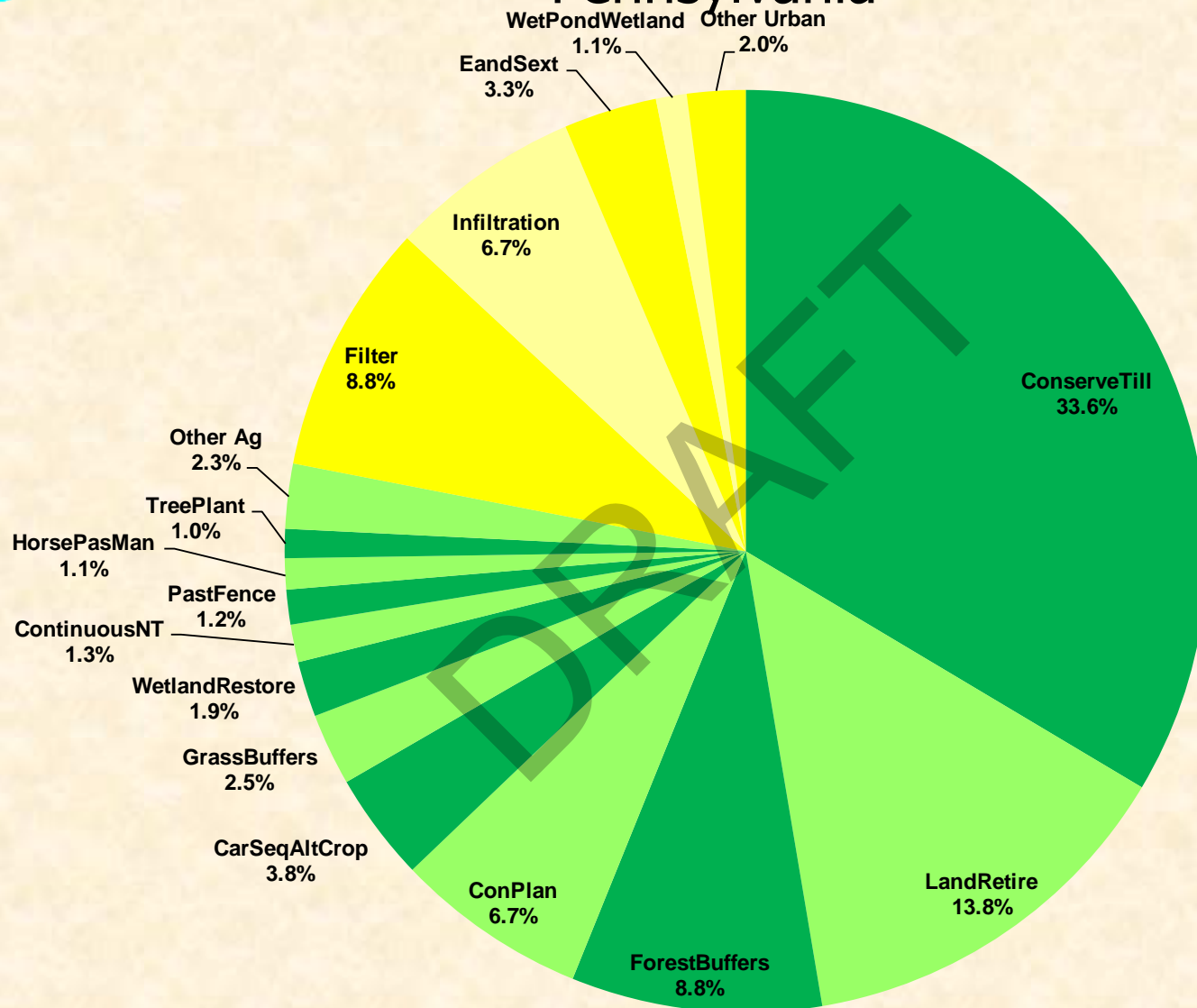
CB Watershed





Sediment Relative Load Reductions

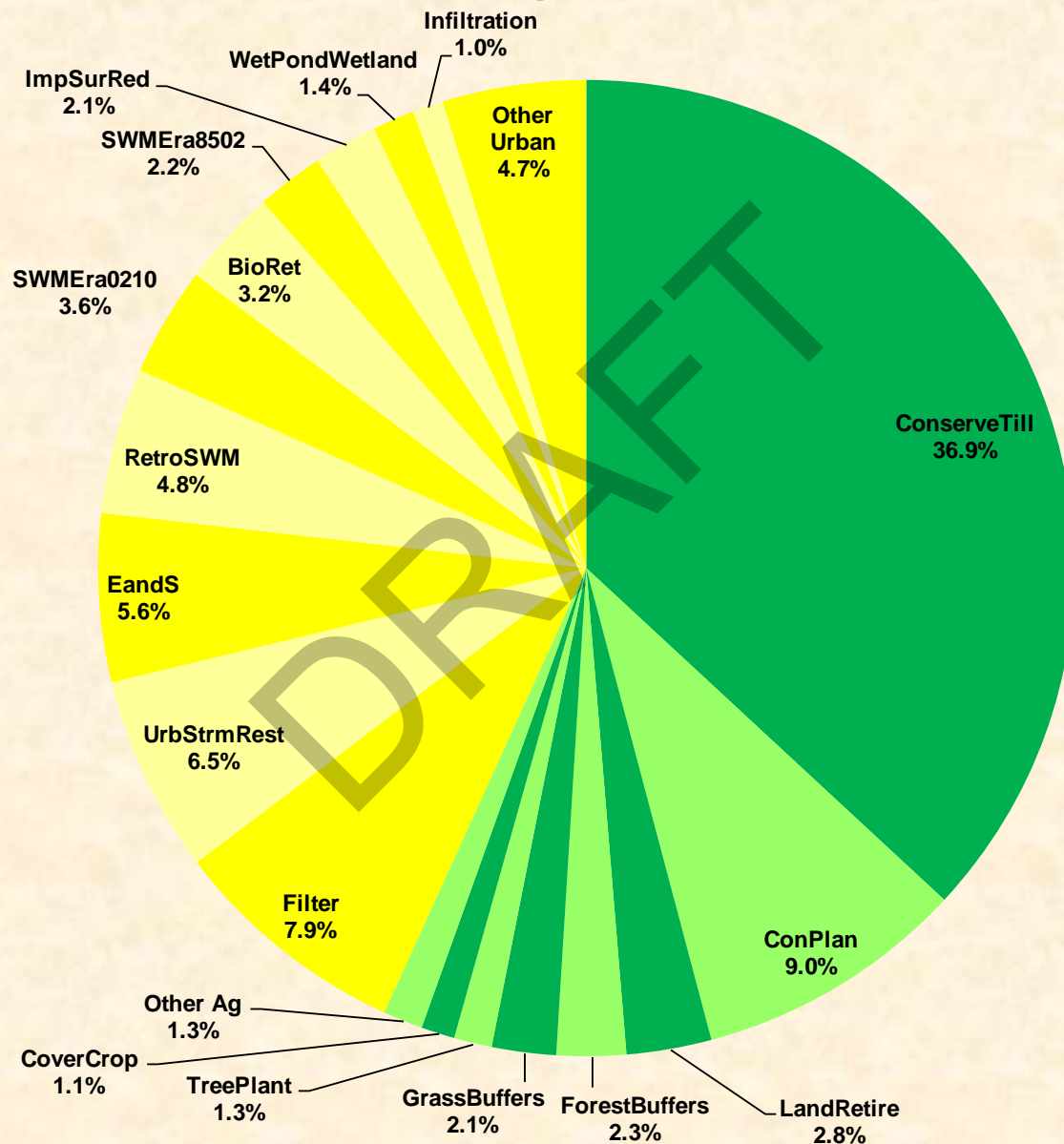
Pennsylvania





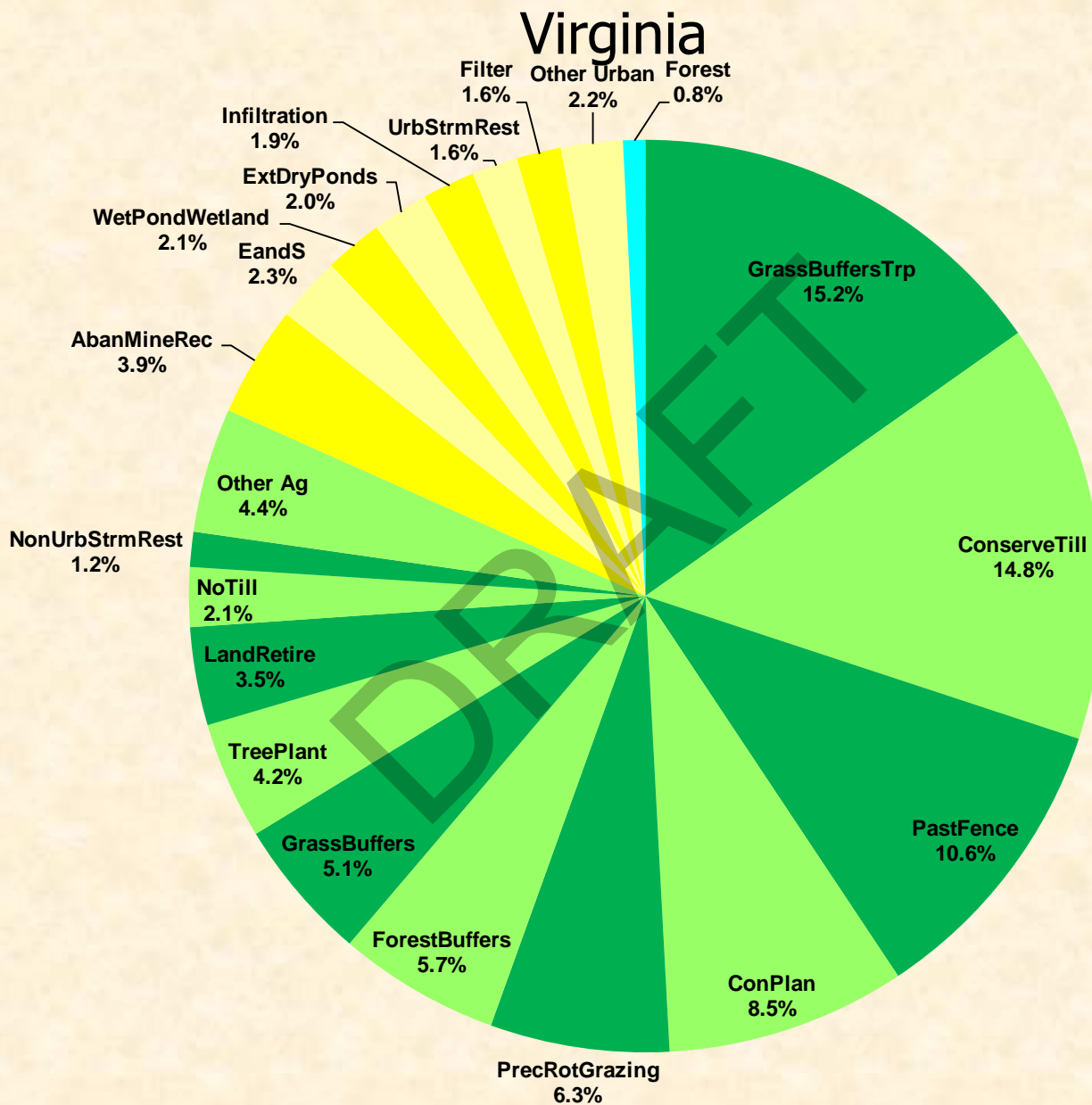
Sediment Relative Load Reductions

Maryland





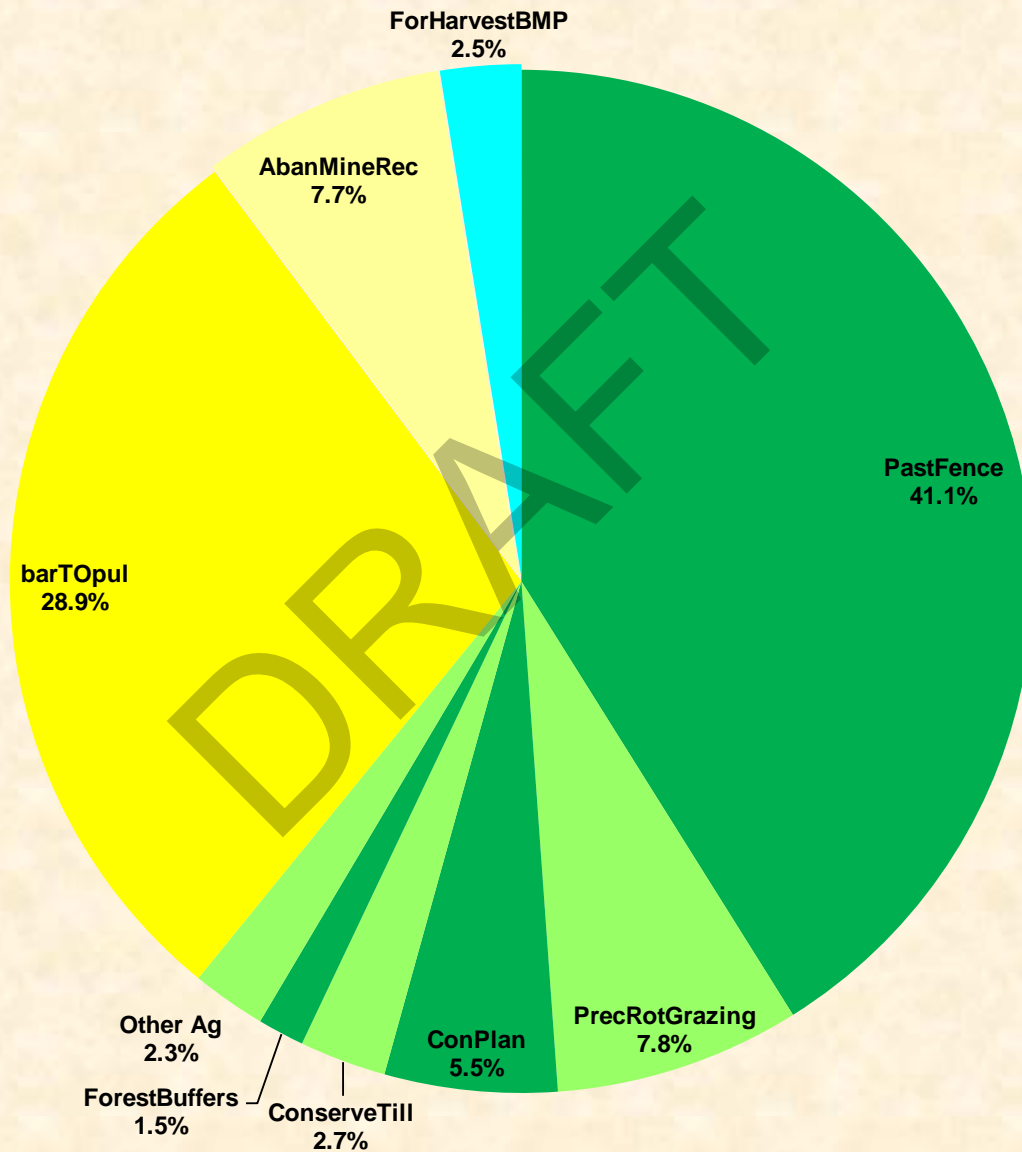
Sediment Relative Load Reductions





Sediment Relative Load Reductions

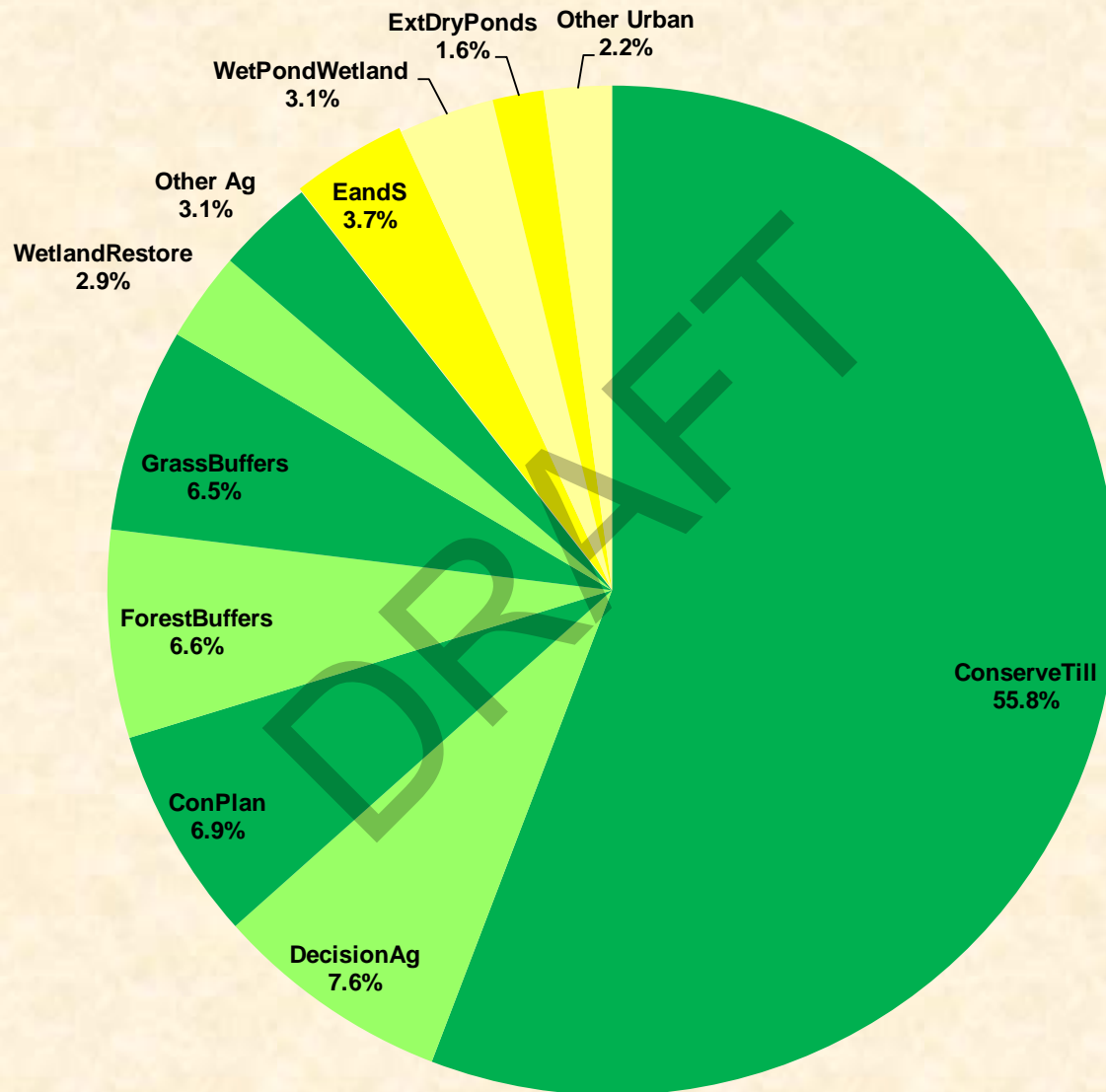
West Virginia





Sediment Relative Load Reductions

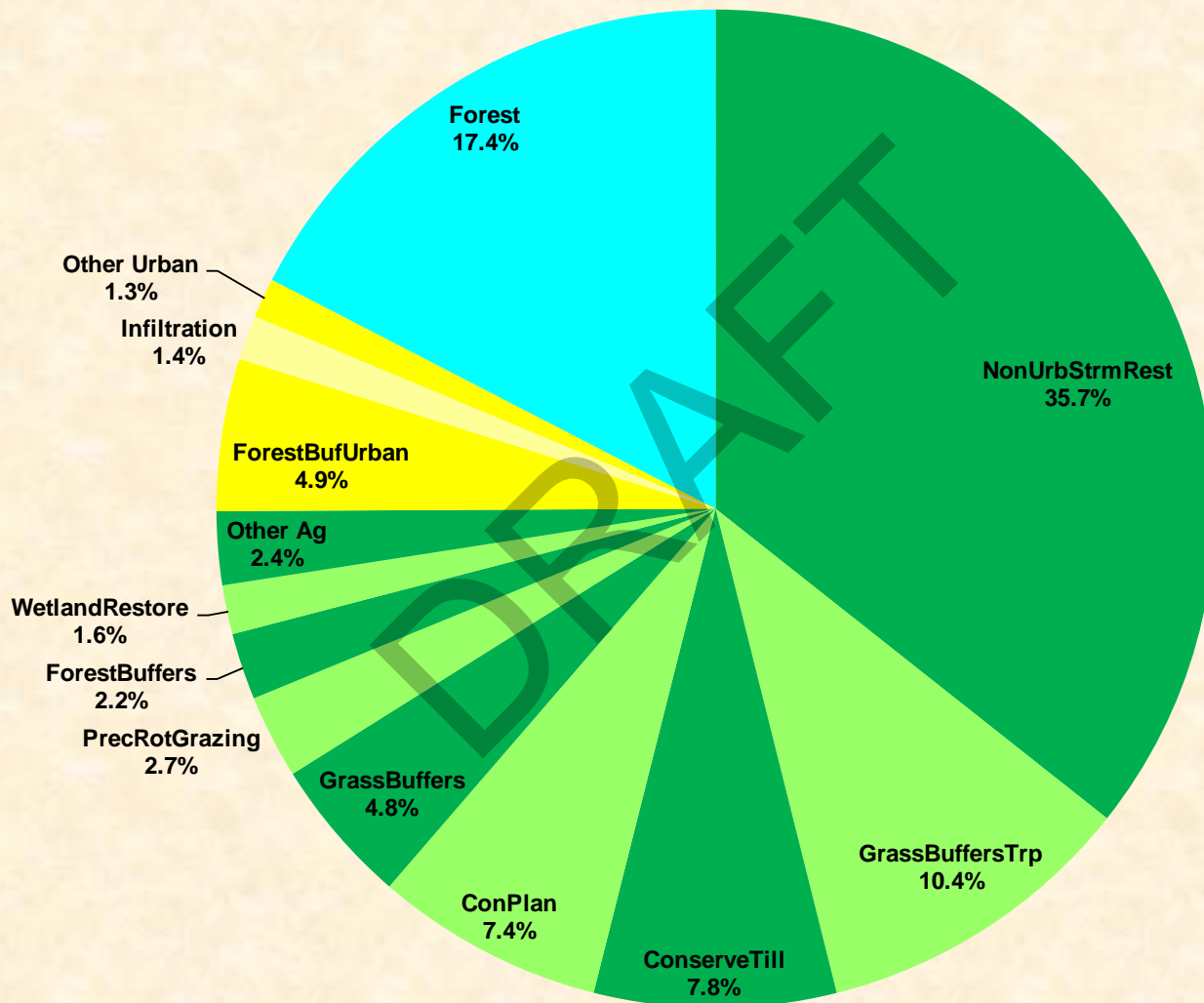
Delaware





Sediment Relative Load Reductions

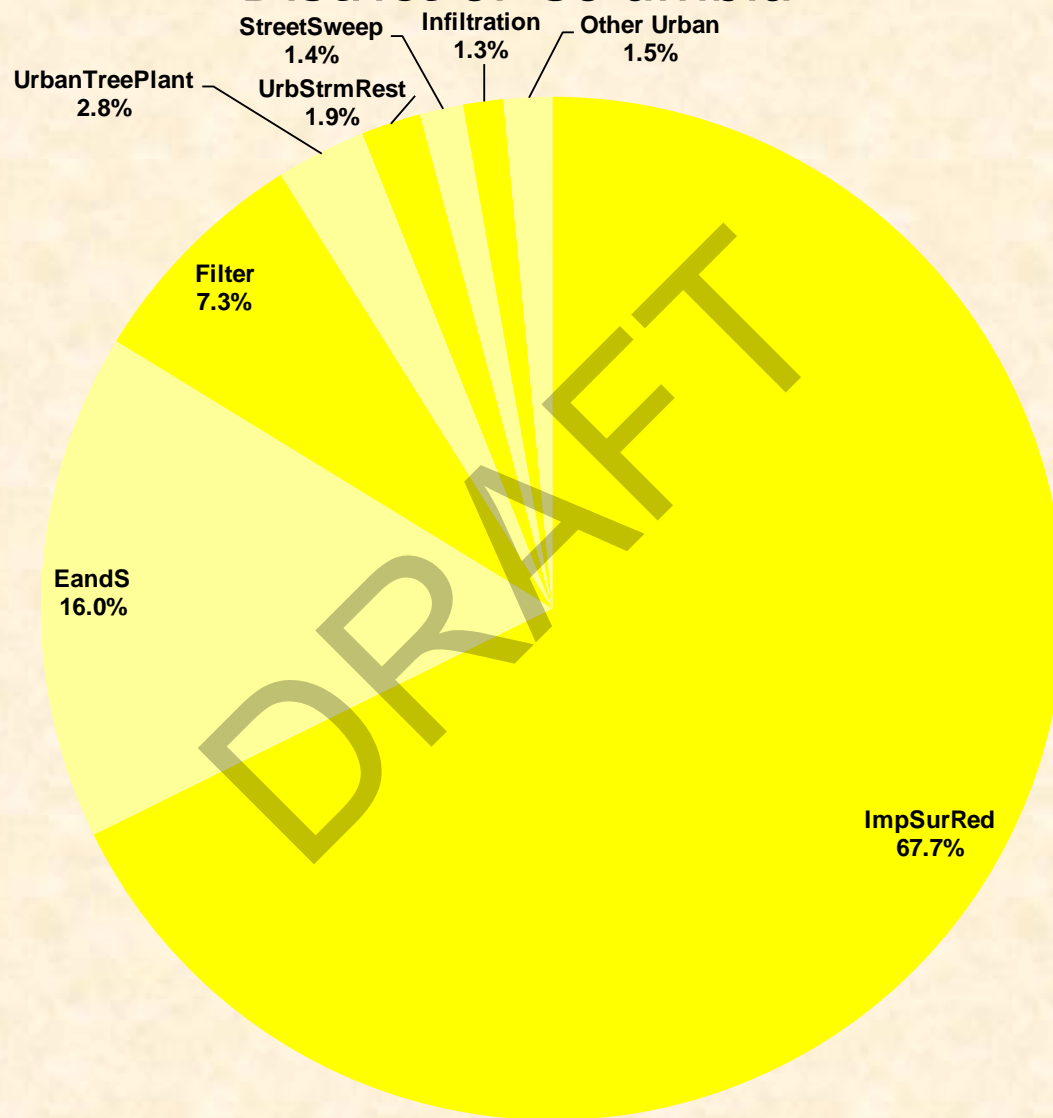
New York





Sediment Relative Load Reductions

District of Columbia





Attachment A

Committee Discussion Questions

- What clarification questions do Committee members have for Jeff Sweeney and Matt Johnston?
- What are the initial reactions from Committee members to the materials presented by Jeff Sweeney and Matt Johnston?
- How could the partners use this information to help stage/ramp up enhancements to the jurisdictions' existing BMP verification programs over time?
- What additional analyses would the Committee like to see performed on the data and information presented?



Attachment A

Committee Discussion Questions

- At what scale(s) should this information be made available for use by the partners? Basin-wide? Jurisdiction-wide? Major tributary basin? County? Smaller watersheds?
- What recommendations does the Committee have for how this wealth of information can best be presented to the BMP Verification Review Panel, given their charge?
- What recommendations does the Committee have for how this wealth of information can best be presented to the larger CBP Partnership?
- What is the recommended sequence for briefing up through the Chesapeake Bay Program partnership's management structure? Technical workgroups? Water Quality Goal Implementation Team? Management Board? Principals' Staff Committee?