



# Phase III WIP Sediment Planning Targets

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# State-Basin Nutrient Planning Targets

State-Basin	Nitrogen (million pounds per year)	Phosphorus (million pounds per year)
Eastern Shore	1.43	0.164
Potomac River Basin	16	1.892
Rappahannock River Basin	6.85	0.849
York River Basin	5.52	0.556
James River Basin	25.92	2.731
Total for Virginia	55.73	6.192

# Sediment Targets

- Sediment loads are managed to address the water clarity/submerged aquatic vegetation (SAV) WQS
  - Excessive sediment in the water column can reduce light to levels insufficient for SAV growth
- Most of the nutrient reducing BMPs also remove considerable loads of sediment.
- BMPs implemented to achieve nutrient load targets for Deep Water and Deep Channel dissolved oxygen (DO), are sufficient to meet the sediment-based water clarity/SAV WQS.
- Recent research in the Bay suggests that water clarity/SAV WQS is generally more responsive to nutrient load reductions than it is to reduction of sediment loads.

# Sediment Targets

- Narrative in WIP III describing the development of sediment targets (Chapter 5.2, pg 29)
- Same process as used in Phase 1 and Phase 2 WIPs
- Based on WIP III BMPs identified to meet the Bay nutrient targets
- Resulting sediment loads form the basis for the sediment targets
- Adjusted proportionally to account for any overshooting or undershooting
- 10% allowance added to the calculated sediment target in each major basin.

# Sediment Targets

- Final WIPs Released 8/23/2019
- Sediment Targets developed by Bay Program
- Approval by Bay Partnership
- Appended to the WIP III in October, 2019
  
- The Sediment Targets will not affect the BMPs called for in the WIP III
- Sediment Targets are not intended to be the driver for implementation moving forward



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## Questions?

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