



# Developing Virginia's State Lands WIP

Presentation to Virginia's Chesapeake Bay Stakeholder Advisory Group

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# Virginia's Plan for Reducing Bay Pollution

- Phase III Watershed Implementation Plan
  - Load reductions from all sectors
  - Accounts for growth and climate change
  - 56 initiatives to drive reductions
- **Initiative #3: *Prepare a State Lands Watershed Implementation Plan***
- The Secretary of Natural Resources, in consultation with the Secretary of Administration and the Governor's Conservation Cabinet, will establish a team of state agency staff to develop a state agency watershed implementation plan to achieve significant reductions in nonpoint source nutrient and sediment pollution originating from the lands and activities of all state agencies, public institutions of higher learning and other state governmental entities that own/or manage land in Virginia...

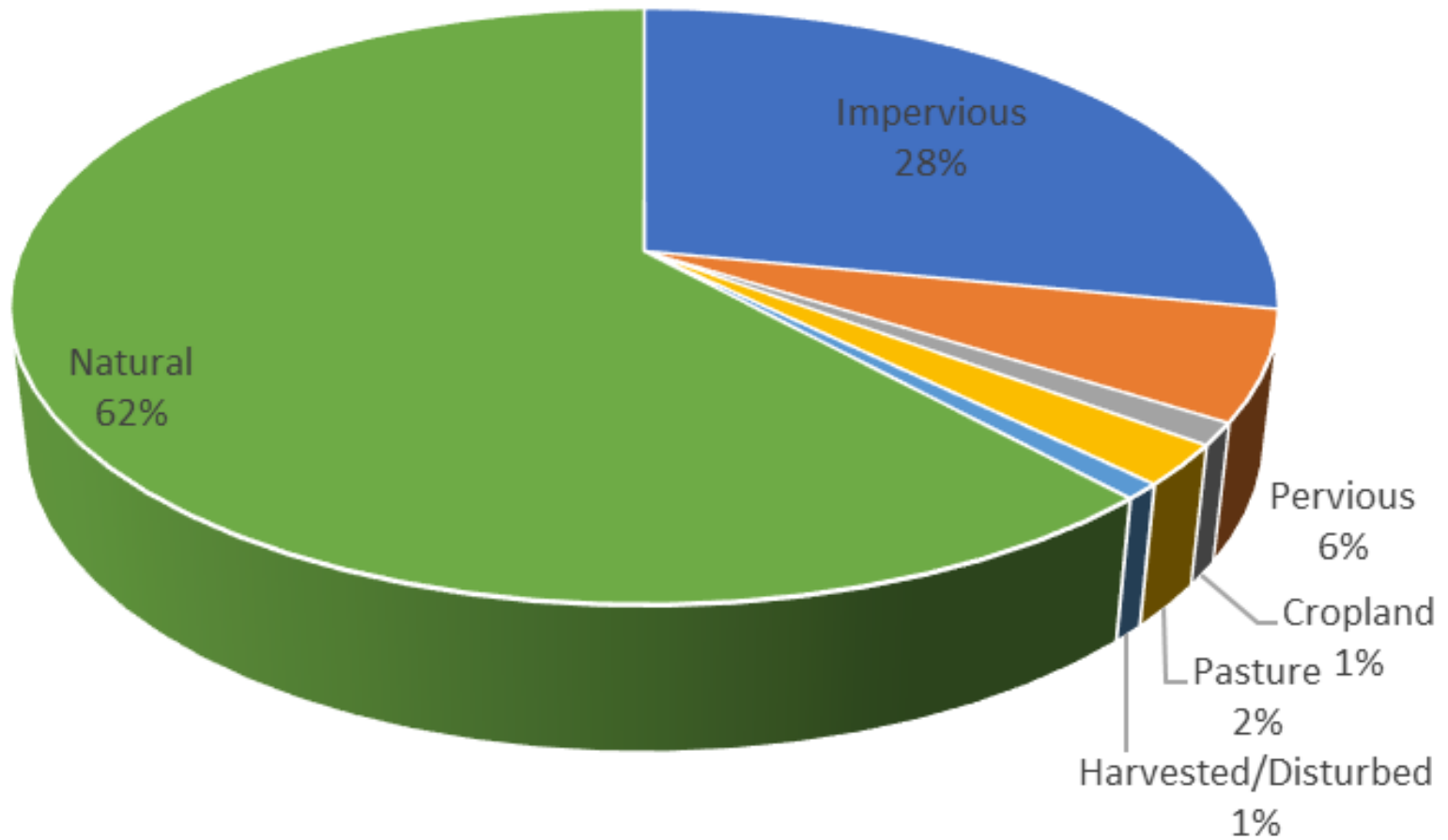
# State Lands WIP Process

- Identification and mapping of all state owned and/or managed lands not already encompassed in local government efforts.
- Land use on these areas will be used to determine the aggregate level of nutrient reductions needed.
- The team will consider innovative approaches to achieving the aggregate reductions most cost-effectively, including geographic targeting, trading, and maximizing co-benefits.

# Identification of State Lands

- Local parcel data from the Bay watershed was searched for State owned parcels
- Agency geodatabases, where available were merged with the parcel data
- VDOT rights-of-way were estimated from road centerline data
- Resulting GIS shapefile was reviewed by Agencies and corrected
- Process identified 440,176 acres, 3.2% of Bay watershed
- State Lands covered by MS4 permits account for more than 78,000 acres

# State Lands: Land Cover



# Calculating State Lands Reductions

- Calculate WIP III per-acre reductions by land use by basin
- Multiply State Owned basin land use acres and per-acre reductions
- Sum up the total

Basin	Unregulated Acres	Total N Reduction	Total P Reduction
Potomac River Basin	48,072	23,215	2,241
Rappahannock River Basin	32,464	21,133	696
York River Basin	49,901	15,881	761
James River Basin	219,107	41,072	3,583
Eastern Shore of Chesapeake Bay	12,234	7,798	397
<b>Virginia Bay Watershed</b>	<b>361,778</b>	<b>109,099</b>	<b>7,678</b>

\* The values in the table above are preliminary and subject to change.



# Questions/Discussion