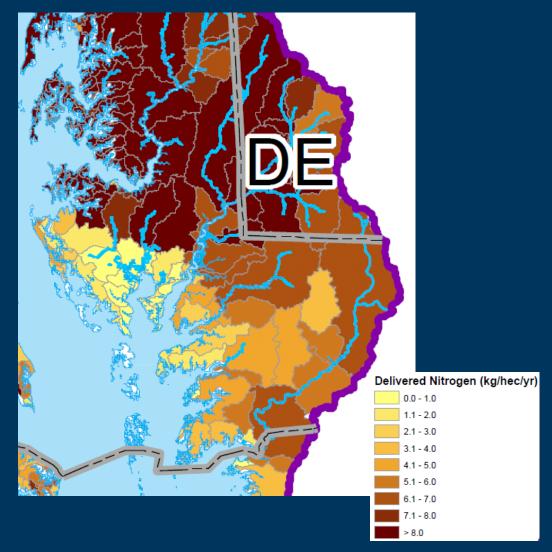
WIP Western Regional Technical Meeting

Collaboration to Improve BMP Targeting in Allegany County

Donnelle Keech Allegany Forests Project Director The Nature Conservancy

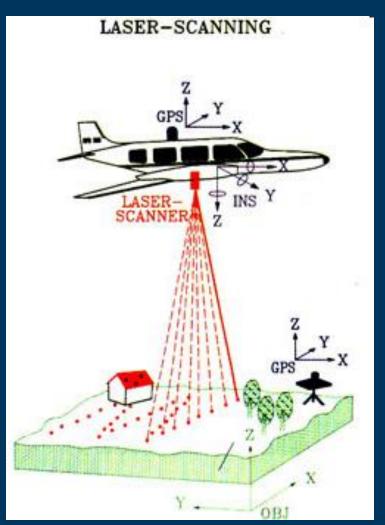






LIDAR

High Resolution Topography
Data Derived from Light
Detection And Ranging
(LIDAR) Remote Sensing
Data



Flood and Gutelius 1997 J. of Photogrammetry & Remote Sensing



USGS 30 m DEM

(7 to 10 m vertical accuracy)

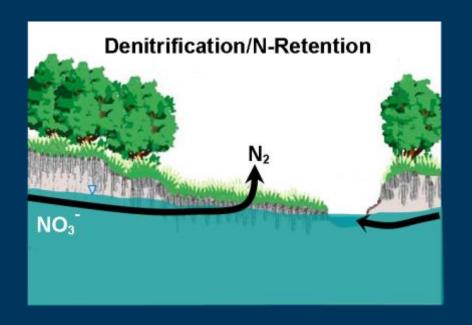


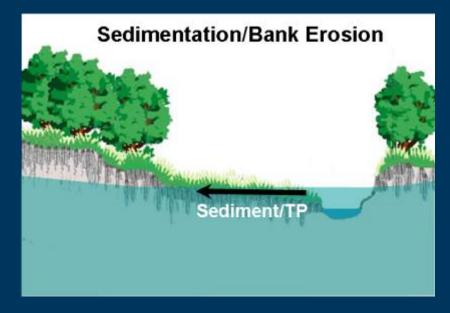
LiDAR 2m DEM

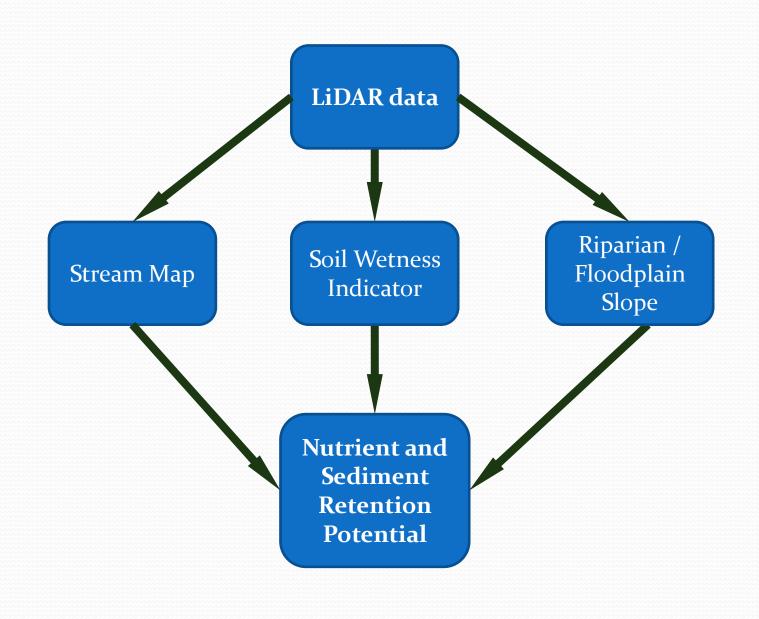
(15 cm vertical accuracy)

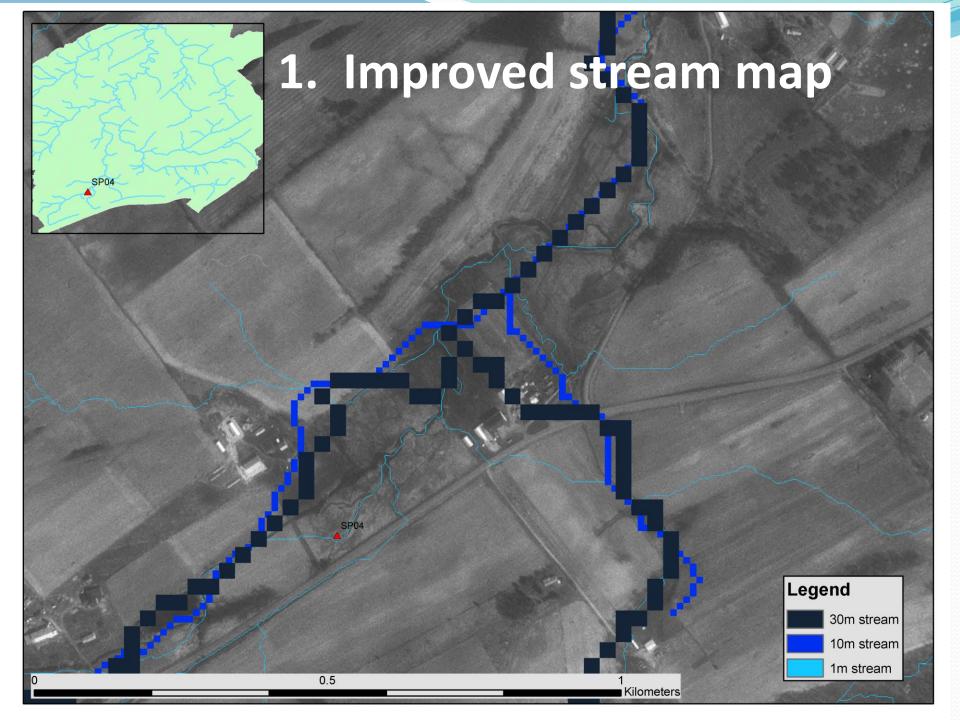




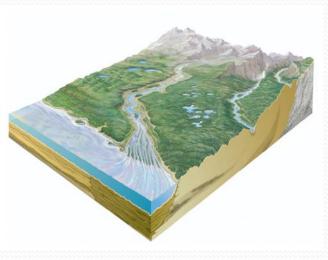




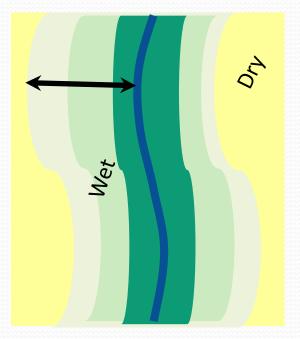




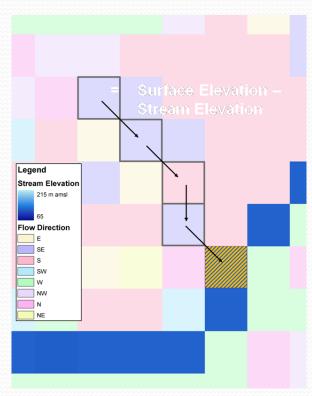
2. Mapping soil wetness



If surface waters considered watertable outcrops (e.g., Winter 1999)...

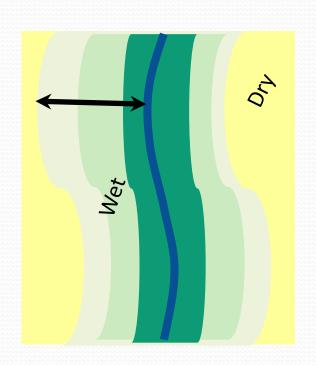


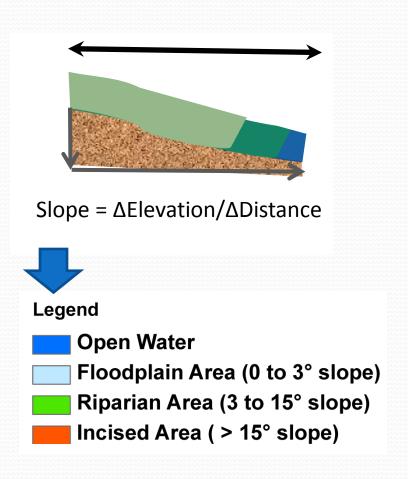
... then land areas within 1.5m elevation of surface water more likely wet.



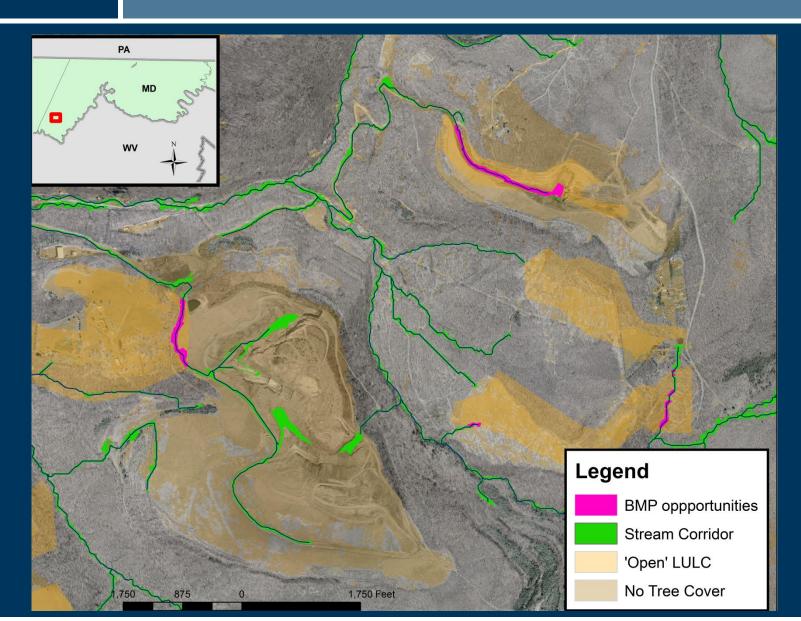
→ Map land surface relative to surface water

3. Riparian/Floodplain Slope

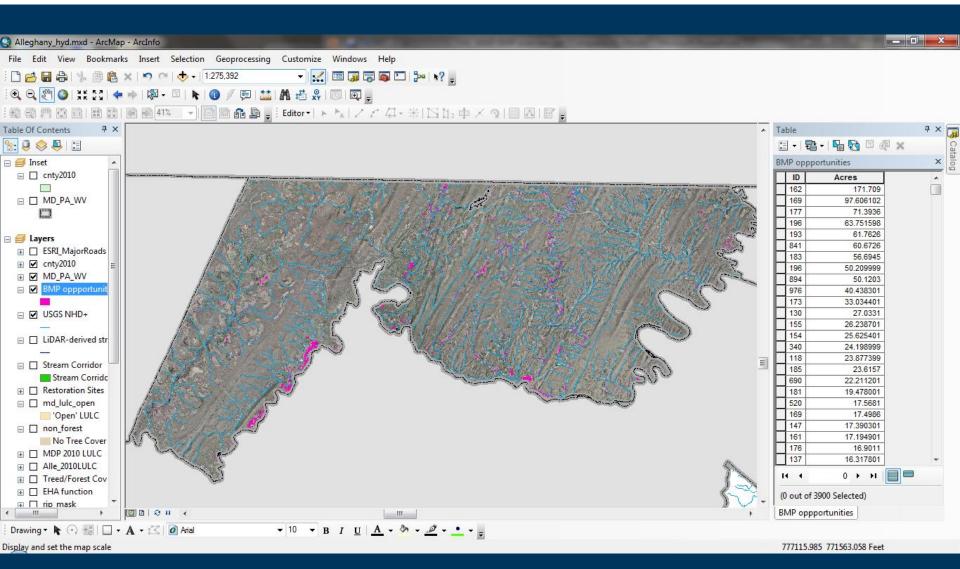






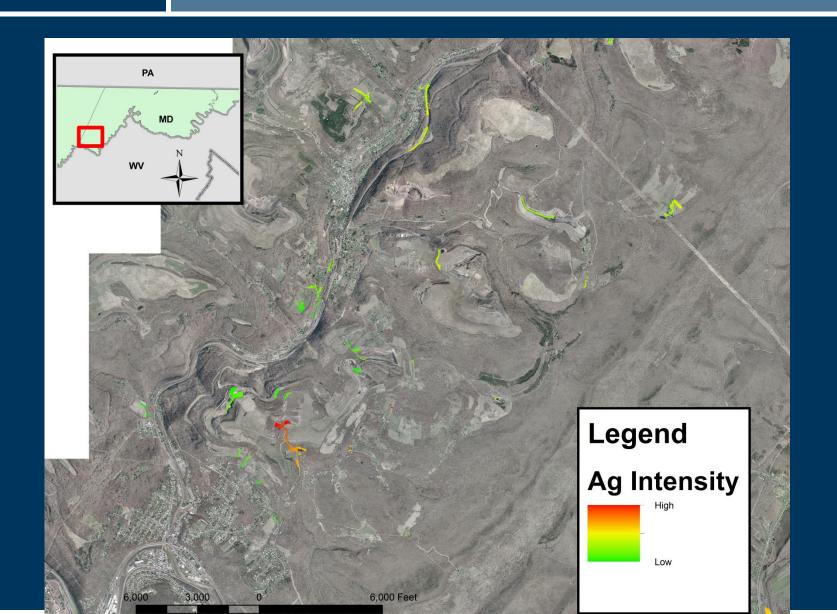








Nutrient and Sediment Source Strength





SDM Link to citation



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