

Local Land Use Data Inventory

- We have received data for 86% of the 206 jurisdictions
- Recent follow-up data request to PA counties
 - 15 counties responded
 - Increased PA local data received from 35% to 70%
- Recent acquisition of parcel data from ArcGIS online VGIN server
 - Parcel data for 88 of 102 jurisdictions

Wetland Efficiency - Current status

- Wetland land use efficiencies (reductions on loads from upslope land uses) are still under investigation with focus on applying Tom Jordan's first-order kinetic equation (SERC 2008) to non-tidal wetlands in areas dominated by surface (vs groundwater) flow paths and averaging the results by NHD+ catchment to serve as a variable in SPARROW (along with forested riparian buffers).
- Wetland BMP efficiencies may follow a similar logic but include more factors due to the greater availability of data.
- Wetland loading rates (irrespective of upslope land use and drainage) are being evaluated based on the literature. The default loading rate will be equivalent to forests.

Wetland Efficiency – Next Steps

- Panel has next call at end of July with goal of resolving the land uses, loads, and land use efficiencies.
 - Best case: agreement on wetland land use(s), loading rates, and efficiencies. Recommended land uses submitted to WQGIT and Habitat GIT as early as August 10.
 - If agreement not reached, recommendations delayed until September 10 WQGIT call.
- Implement 1st-order kinetic equation using NWI and 10m DEM for non-tidal wetlands and summarize by NHD+ catchment.
- Following October calibration: Panel will continue working to provide Phase 6 recommendations for wetlands restoration, creation and enhancement BMPs