

LR-NHD in West Virginia  
Monthly Report – August 2006

**Status**

As of August, 2006, the following tasks have been completed as part of the Local Resolution NHD project in West Virginia (please refer to attached status graphic):

- Twenty-two (22) of the 33 8-digit hydrologic units that touch or are within the state of West Virginia now have complete, checked combined geometry and general attributes.
- Two hydrologic units – the Conococheague-Opequon and Upper Monongahela – will be completed in early September.
- Seven hydrologic units have not, as of yet, entered into geometric production. This is due to the fact that only a very small portion of the hydrologic unit falls within West Virginia. We tentatively anticipate beginning production of these hydrologic units within the month of September.
- The remaining two hydrologic units – the Upper Guyandotte and Gauley – will be the subject of pilot conflation projects using new conflation tools, as provided by the USGS. The Upper Guyandotte has gone through the pre-conflation process already, and the Gauley is currently in pre-conflation production.
- We have maintained a very close working relationship with the United States Geological Survey. We tentatively plan to begin conflation using software currently in development by USGS in the month of September. We will be acting as beta testers for the software. Once the pilot hydrologic units are completed and QA/QCed by USGS, they will be available to the public.
- The project website (<http://www.wvgis.wvu.edu/stateactivities/lrnhd.html>) has been updated to reflect recent project activities. All monthly reports, status graphics and other materials are available for download from this website.

We are on target to complete the geometric compilation and attribution of all West Virginia watersheds by October, 2006. We also anticipate completing preconflation processes for the majority of West Virginia hydrologic units by this time. Jackie Strager and Evan Fedorko, of the Natural Resource Analysis Center and West Virginia GIS Technical Center, respectively, will begin pilot conflation of the above listed hydrologic units in the month of September. Once these pilot projects are completed and funding is secured, full production of local resolution NHD for the state of West Virginia will commence. We currently anticipate that this will begin in the Spring of 2007.

**Funding**

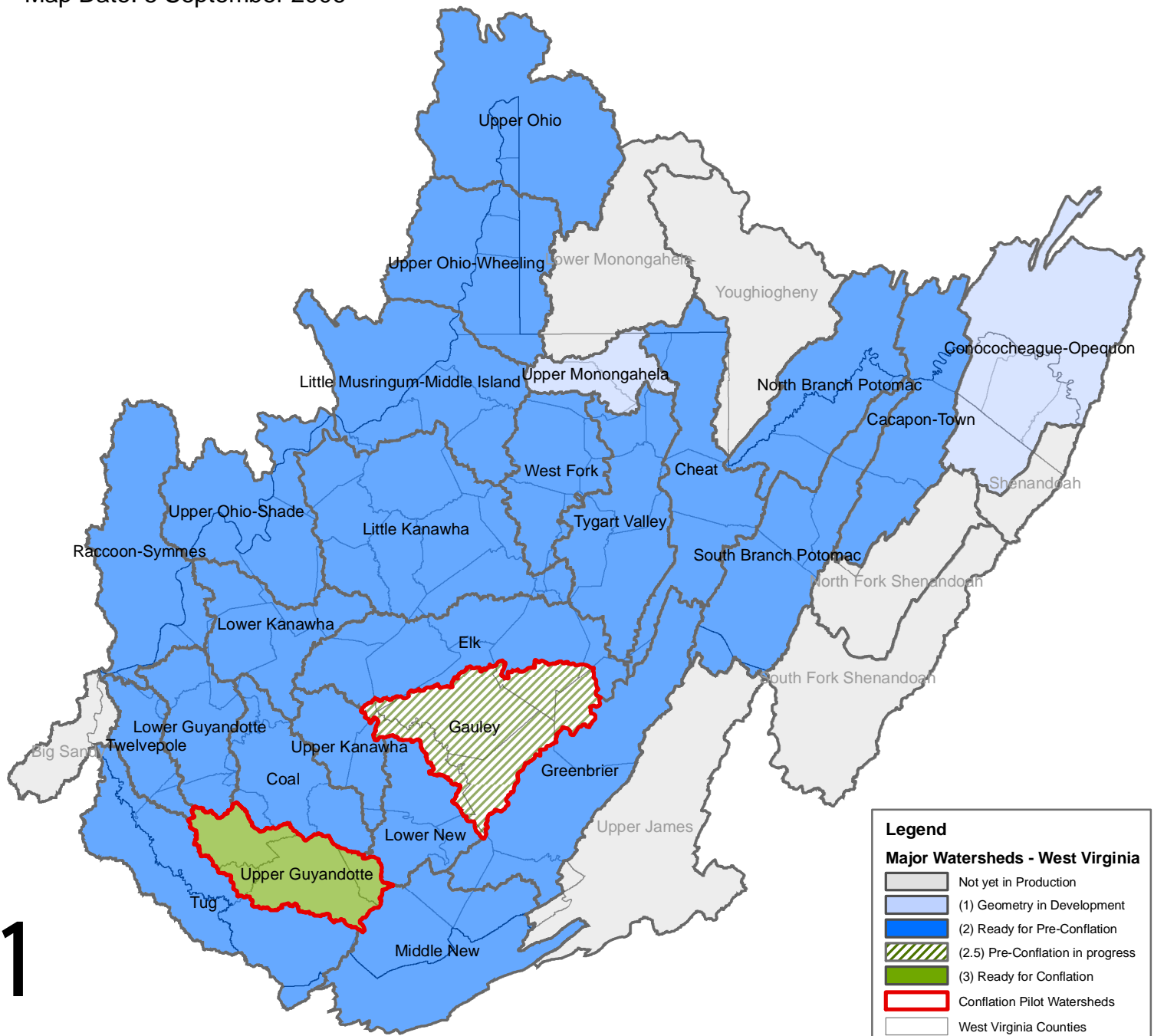
West Virginia University requests continued funding from USGS to expedite the completion of the LR-NHD product in West Virginia.

**References**

Fedorko, E., “Local Resolution NHD Data Preparation Guide” (Internal Report), Morgantown, WV, 2006.

# Development of the Local Resolution National Hydrographic Dataset in West Virginia

Map Date: 5 September 2006



The process to complete the Local Resolution NHD Project in West Virginia has been broken into three major steps. First, we visually compare the new 1:4,800 scale stream lines to existing 24K NHD lines. Areas where the new data underrepresents the existing lines are flagged and examined, and, if necessary, new and old datasets are combined to create a complete dataset. General attributes are also added at this stage. In tandem with custom software developed by the USGS, this step prepares the data for the preconflation process. Preconflation is the second major step of the project, followed immediately by conflation, the third and final step. This map illustrates the current progress of the LR-NHD team.

