

**NHDPlus Release Notes for
Region 06
Last Updated 8/2/2010**

Data Release Note – 8/2/2010 – Flowline_Cat_Attr V01_02 Released

Two changes have been made to the FlowlineAttributesFlow Table: (1) All zero slopes have been changed to a nominal slope of 0.00005; and (2) the corresponding MAVELU and MAVELV estimates have been updated using the Jobson "slope" method for all Flowlines where these slopes have been changes. The result of this change is that the Jobson "noslope" method is never used. The reason for this change is that the NHDPlus Team has determined that the "noslope" method is not appropriate for zero slope applications. The Jobson velocity calculations are described in Appendix A- Step 6 of the NHDPlus User Guide.

Data Release Note – 10/17/2008 – NHD Component V01_03 Released

NHDFlowlineVAA.StreamOrde was set to zero to indicate that users are directed to use the new Stream Order/Stream Calculator fields that are available from the Data Extensions tab on the www.horizon-systems.com/NHDPlus web page.

Release Note 04/28/2008 – The problem with prj.adf parameter Zunits has been corrected in the elev_cm grids.

Release Note 12/13/2006 – Re-release of Region 06.

Region 06 was re-released to correct some minor issues in the NHD component (V01_02) and to implement the NHDPlus versioning scheme in all components. The only data content changes occurred in the NHD component. All other components contain the same data as the original release.

Release Note 11/08/2006 – Reaches without Measures – This problem was fixed in the V01_02 release of the NHD Component

All reaches in Region 06 now have measures.

Release Note 11/08/2006 – DA QA

The QA graphs of gage vs NHDPlus drainage areas match quite well except for outliers as described in the "readme" sheet

Release Note 11/08/2006 – Flow QA

The UROM flows tend to be greater than the gage flows, increasing as the flows increase. The user should consider this issue when using UROM flows and velocities. It is suspected that control structures and some consumptive use is responsible for this. The "Vogel" flows are limited to a high value of approximately 30,000 cfs. Within this range, the "Vogel" flows match the gage values well.

Release Note 1/25/2006 – Source Elevation Data

Elevation Data (grid format), for all Hydro Regions except for Hydro Region 5 (the Ohio River Basin), were retrieved, July 2004, from the National Elevation Dataset (NED) maintained by the U.S. Geological Survey.

Release Note 1/25/2006 – Watershed Boundary Data (WBD)

Only certified WBD was included for use as a “wall” drainage enforcement factor in HydroDEM production. These data are tiled by U.S. State, therefore only selected states with full certification were used. The publication date for each state's WBD varies. The following are the states (and WBD publication dates) that were certified at the time of catchment production, that have drainage to the Mississippi River.

Georgia, 2003

Release Note 1/25/2006 – Headwater Node Catchment errors

Headwater node catchment areas were not calculated for some (typically very short) headwater flowlines. This is expected for very short headwater flowlines, however, it was discovered that a small percentage of headwater flowlines (about 0.1 percent) that should have received headwater catchments did not. The problem was corrected and fixed prior to the determination of the production of the headwater-node-areas files, but not before stream slopes and other flow characteristics were determined. In these cases a slope of zero was assigned and the flow characteristics were determined based on regression equations that assumed that the slope of the reach is unknown