

**NHDPlus Release Notes for  
Region 04  
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\_02 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](http://www.horizon-systems.com/NHDPlus) web page.

**Data Release Note – 6/13/2006 – Catchments**

Fifteen coastal arcs along the shores of the Great Lakes did not receive catchments. These arcs were beyond the limits of the NED which ends at the border with Canada. ComIDs for flowlines without catchments include the following:

12210362	12210378
12210364	12210380
12210366	12210382
12210368	12210384
12210370	12210392
12210372	12210394
12210374	12211406
12210376	

**Data Release Note – 6/13/2006 – Placement of Sinks**

Sinks were not applied, as there are no closed 8-digit subbasins within Hydroregion 4.

**Data Release Note – 6/13/2006 – Application of the Watershed Boundary Dataset**

The Watershed Boundary Dataset (WBD) was used in the HydroDEM production process to insure NHDPlus Catchments conformed to these boundaries. Only data from states where the certified WBD existed was used. For Hydroregion 4, the WBD was applied in Illinois only. For more information on WBD see the NHDPlus Metadata file.

**Data Release Note – 6/13/2006 – Drainage Area**

The St. Lawrence River gage measures the total drainage area and flow from the Great Lakes above that gage. NHDPlus does not route through the Great Lakes, so this gage

shows much greater drainage areas and flows than NHDPlus. There are two outliers in the Oswego River Basin, with the NHDPlus drainage areas being approximately 8,000 sq. km. greater than the gage values. These outliers are most likely due to differences in what the gage estimates consider contributing areas from the Erie Canal versus what NHDPlus considers the contributing areas due to the Erie Canal drainage. Other than these outliers, NHDPlus drainage areas match gage areas quite well.

**Data Release Note – 6/13/2006 – Flow**

Other than the three outliers described in the drainage area section, the gage and NHDPlus flows tend to match quite well for both the UROM and the Vogel methods.