

**NHDPlus Release Notes for
Region 02
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 web page.

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

Data Release Note – 9/1/2006 – Drainage Area

There are two outliers. Gage 01576000 may be mis-located and should be investigated further. Gage 01664500 is on a minor of a divergence. Other than these two outliers, NHDPlus drainage areas match gage areas quite well.

Data Release Note – 9/1/2006 – Flow

Other than the two 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.

Data Release Note – 9/1/2006 – Placement of Sinks

There was no placement of “Nodata” sinks within Hydroregion 2.

Data Release Note – 9/1/2006 – 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. Data was used only from states where the certified WBD existed at the time of production. For Hydroregion 2, the WBD was applied in Connecticut, Maryland, Massachusetts, and Vermont. For more information on WBD see the NHDPlus Metadata file.

Data Release Note – 9/1/2006 – International Catchments

Hydroregion 2 consists of contributing drainage area from Canada for the Lake Champlain Basin. The WBD includes delineations into Canada for the Lake Champlain basin and was incorporated in the HydroDEM production process to assign catchment areas in Canada to the NHDPlus flowlines. The source scale of the WBD data for the Canadian portion of

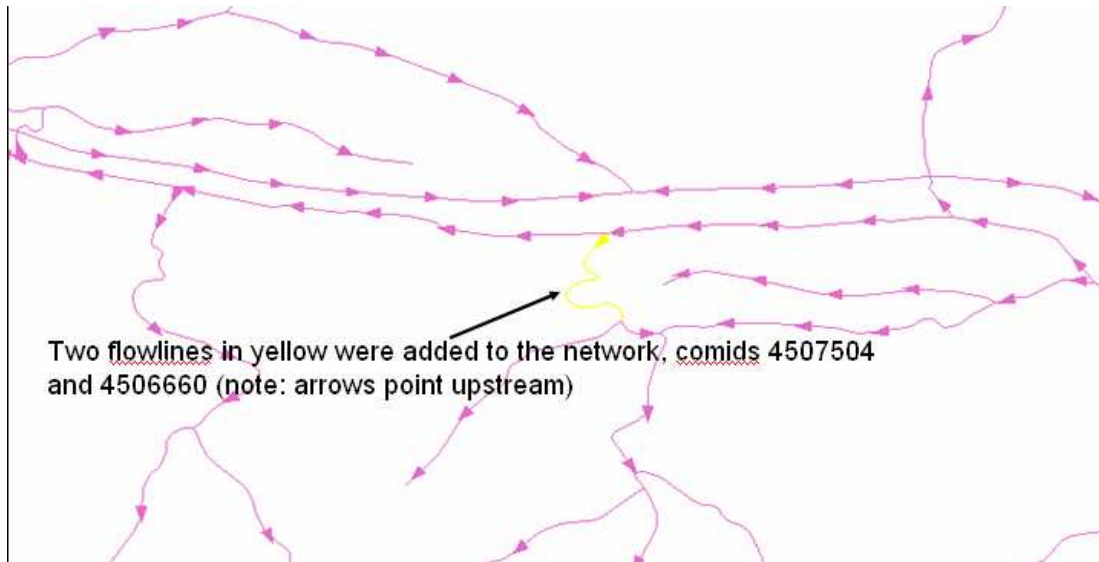
the Lake Champlain basin from Canadian 1:50,000-scale topographic maps. The USGS National Elevation Dataset (NED), which also extends into Canada within the Lake Champlain Basin, supplemented subwatershed delineations within the WBD units where such conditions were warranted.

Note:

Although 30-meter NED data did extend into Canada for the Lake Champlain Basin, the WBD took precedence over the NED in Canada, even though the source scale for the WBD delineations appears smaller than the assumed scale of 30-meter NED data (1:24,000). In fact, the scale of the source DEM data within the Canadian extent of NED is actually from 1:250,000-scale USGS DEMs, resampled to the 30-meter resolution.

Data Release Note – 9/1/2006 – Flowlines added to the flowtable

Two flowlines (making up a single small stream) were added to the collection of NHDFlowlines with known flow direction after the catchments were generated, and thus did not receive catchments. Their areas are incorporated into the flowlines on either side.



Data Release Note – 9/1/2006 – Stream extends into region 4

Three flowlines (making up a single stream) erroneously extend into region 4.

