Drainage Area: MS, VPU: 08 - Release Notes

12/01/2018 – Updated and New Data

Time of Travel and Related Attributes: The new and updated data is included in new versions of the NHDPlusAttributes and EROMExtension components. Specifically,

EROM mean annual and mean monthly statistics have been re-computed with the following changes:

Removal of upper and lower limits for reference gage regression adjustment,
Correction of reference gage regression equation, and
Reference gage regression included in all flow statistics.

PlusFlowlineLakeMorphology and PlusWaterbodyLakeMorphology tables have been updated based on the new EROM mean annual flows.

PlusFlowlineVAA mean annual time of travel (TOTMA) has been updated based on the new EROM mean annual flows. Path time (PathTime) attribute has been added and populated based on the updated TOTMA values.

09/21/2017 – Updated Components

The NHDPlusAttributes has been updated. Various VAAs in PlusFlowlineVAA for Coastline features have been standardized.

12/19/2016 – Updated Components

The NHDSnapshot has been updated to correct a duplicate ComID problem in NHDFlowline.

09/20/2016 – Updated Component

Corrected a handful of incorrect FType/Fcode values and WBAreaCOMID values.

09/06/2016 – EROM Component Updated

Boundary values from the Upper Mississippi (VPU 07), Ohio (VPU 05), Arkansas, Red and White Rivers (VPU11) did not properly transfer to the Lower Mississippi River Basin. This resulted in significant under estimation of flows and drainage areas on 583 flowlines.

05/10/2016 – Updated Components

The improved HUC12 downstream pointers from the February 2016 WBD Version were updated in the NHDPlus WBDSnapshot. When a correspondence between the two versions could be determined for both the HUC12 and the downstream HUC12, the downstream pointer was updated.

02/18/2016 – Updated Components

Several NHDFlowline features in the NHDSnapshot component were edited to eliminate errors when building a geometric network.

01/05/2016 – Updated Components

EROM Mean Annual and Mean Monthly flow estimates have been re-run to correct incremental flows to be the sum of the incremental flows upstream and on the flowline. EROM velocities were updated to provide velocity estimate only for flowing waters. EROM velocities are now set to -9998 (missing value) in all water bodies except swamp/marsh.

07/08/2015 – Updated Components

The WBDSnapshot was revised to correct the values in the Acres field. The NHDSnapshot and NHDPlusAttributes were revised to correct values in FType/FCode in a handful of features.

5/26/2015 – Revised Component

NHDPlusAttributes component was replaced to remove 2 extraneous records from PlusFlow.

1/30/2015 – Revised Component

The VPUAttributeExtension has been updated to include accumulated mean annual and mean monthly runoff files.

2/12/2014 – Replacement components

NHDPlusAttributes component was replaced to correct errors in PlusFlowlineVAA.StreamOrder.

1/21/2014 – New Data Release

The EROMExtension was enhanced to include mean monthly flow estimates. See NHDPlusV2 User Guide for additional information.

12/07/2012 – Replacement components

Three NHDPlusV2 components are replaced with new versions: NHDSnapshot, NHDPlusBurnComponents, and NHDPlusAttributes. These replacements represent some changes in NHDFlowline ReachCode values and the inclusion of an NHDReachCrossReference table that tracks ReachCode changes from NHDPlusV1 to NHDPlusV2.

6/1/2012 - Initial Release Notes

Catchment/Burn Settings

The following describes unique settings of Burn and Catchment properties in BurnLineEvent.

1) Several flowlines along the NHDPlus Vector Production Unit (VPU) border (within one grid cell width or outside of the VPU) had their Burn and Catchment properties set to "N" (no).
2) A secondary divergent path flowline (ComID 938010228) that terminates without reconnecting to the main path was set to "N" for both Catchment and Burn settings. This avoided a sink being placed at the terminus and allocated the underlying and surrounding catchment area to the adjacent networked flowline(s). This divergent path should be

connected in the NHD network and not terminate without reconecting to the main path as it does.

Inclusion of HUC4 – 0318

VPU 08 includes full data coverage from an adjacent HUC4 subregion (0318 – Pearl River) of Region 03. The Pearl River is interconnected with Region 8 through tidal marsh waterways and The Rigolets; a long strait that connects Lake Pontchartrain to Lake Borgne.