NHDPlus Release Notes for
Region 12
Last Updated 8/2/2010

Data Release Note – 8/2/2010 – Flowline_Cat_Attr V01_03 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 – 5/13/2009 – Cat_Flowline_Attr Component V01_02 Released
Corrected field names in CatchmentAttributesNLCD.dbf.

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.

Data Release Note – 3/22/2008 – Catchment Grid and Shapefile
Catchment grid and shapefile, version 01_02, have been released with updated "prod_unit" field values. These values correctly reflect the fact that Hydro Region 12 was processed in 6 production units (a through f) rather than the 5 production units.
 Catchments previously given values of "b" and "c" are now correctly given values of "b", "c", "d" or "e".

Data Release Note – 6/12/2006 -- NLCD
The following four Flowlines have catchments but no NLCD data; they are near the coast and fall outside of the NLCD coverage. The comids are:
7865790
7865858
7865876
7866530

Data Release Note – 6/12/2006 – Placement of Sinks
Sinks were not applied, as there are no closed 8-digit subbasins within Hydroregion 12.

Data Release Note – 6/12/2006 – Application of the Watershed Boundary Dataset
For Hydroregion 12, state certified versions of the Watershed Boundary Dataset (WBD) were not available and therefore not applied in the production of the HydroDEM. For more information on WBD see the NHDPlus Metadata file.

Data Release Note – 6/12/2006 – Drainage Area QA

NHDPlus consistently under-reports drainage areas in the Brazos River Basin when compared to the gage drainage areas. These differences range from approximately 8,000 sq. km. to 3,000 sq. km. These differences can be attributed to NHDPlus computing contributing drainage area versus gage areas reflecting total drainage area. Other than this issue the NHDPlus drainage areas tend to match gage areas quite well.

Data Release Note – 6/12/2006 – Flow QA
There is a major outlier in the flow estimates for NHDPlus versus the gage flow at gageid 08067000 on the Trinity River. This discrepancy is possibly due to effects related to the Intracoastal Waterway. Both the UROM and Vogel method over-estimate the mean annual flow at gageid 0806619 at the outflow point of the Livingston Reservoir. Other than these issues, the UROM flow estimates tend to estimate the gage flows fairly well, especially for flows greater than 200 cfs. The Vogel method tends to under-estimate flows that are greater than 4,000 cfs. Below 4,000 cfs, the Vogel flow estimates tend to match gage flows well, especially for flows greater than 200 cfs. At flows less than 200 cfs, both the UROM and Vogel method flow estimates should be considered less reliable.