

Supplementary Material

Development and Validation of Accumulation Term (Distributed and/or Point Source) in a Finite Element Hydrodynamic Model

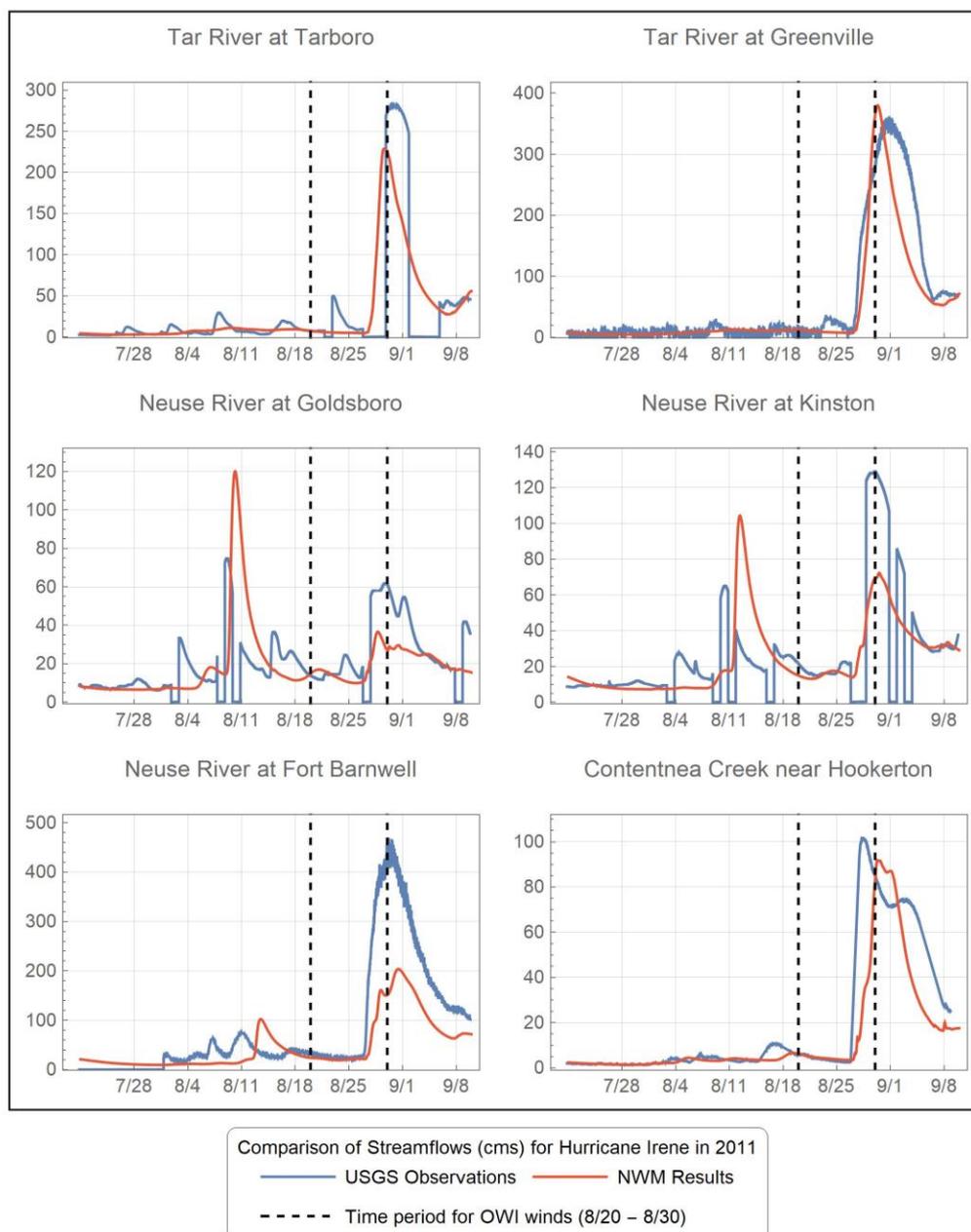


Figure S1. Comparison of observed streamflows at all available USGS gauging stations (with streamflow records) to simulated streamflows at the nearest available NWM location.

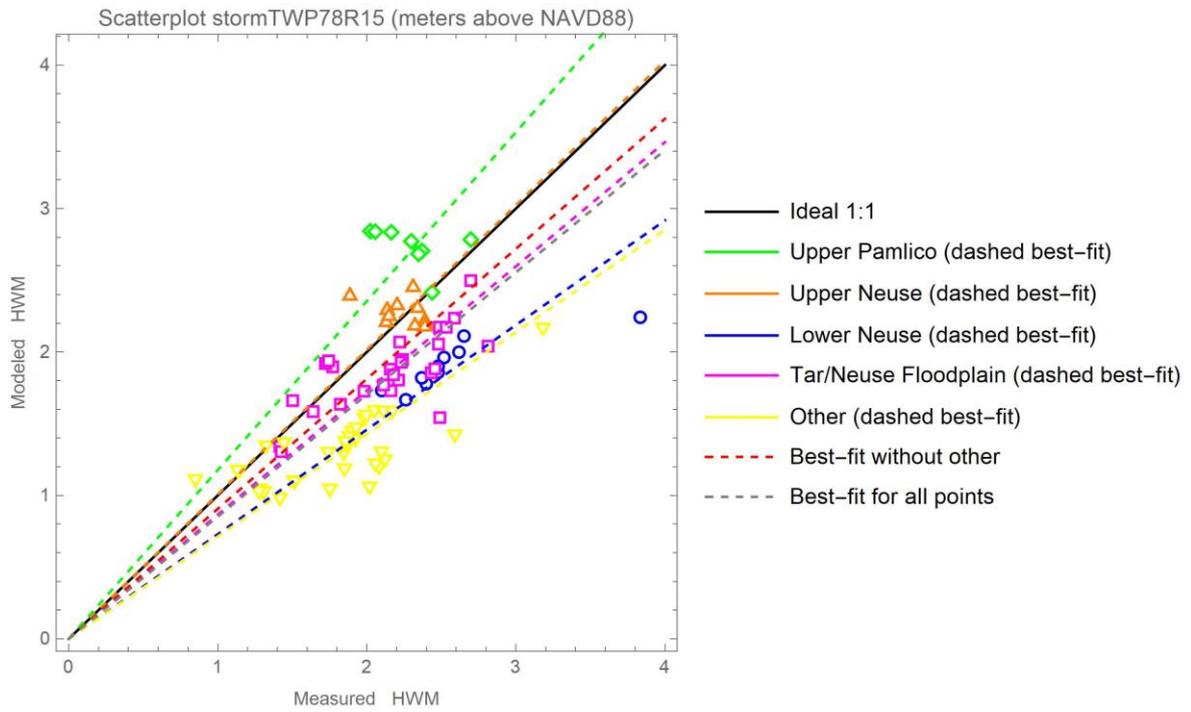


Figure S2. Scatterplot for HWM analysis of the simulation with all new source terms activated (TWP78R15). Shapes correspond to the locations shown in Figure 6 (diamonds—Tar River, triangles—Upper Neuse River, squares—Tar/Neuse floodplains, circles—Lower Neuse River, inverted triangles—all Other locations), which are also color-coded to the corresponding best-fit lines in this plot.