

Figure S1. SAC-SMA model performance over the validation period across the USGS stations within the Mobile and Savannah watersheds. Left panel: R. Right panel: RMSE.

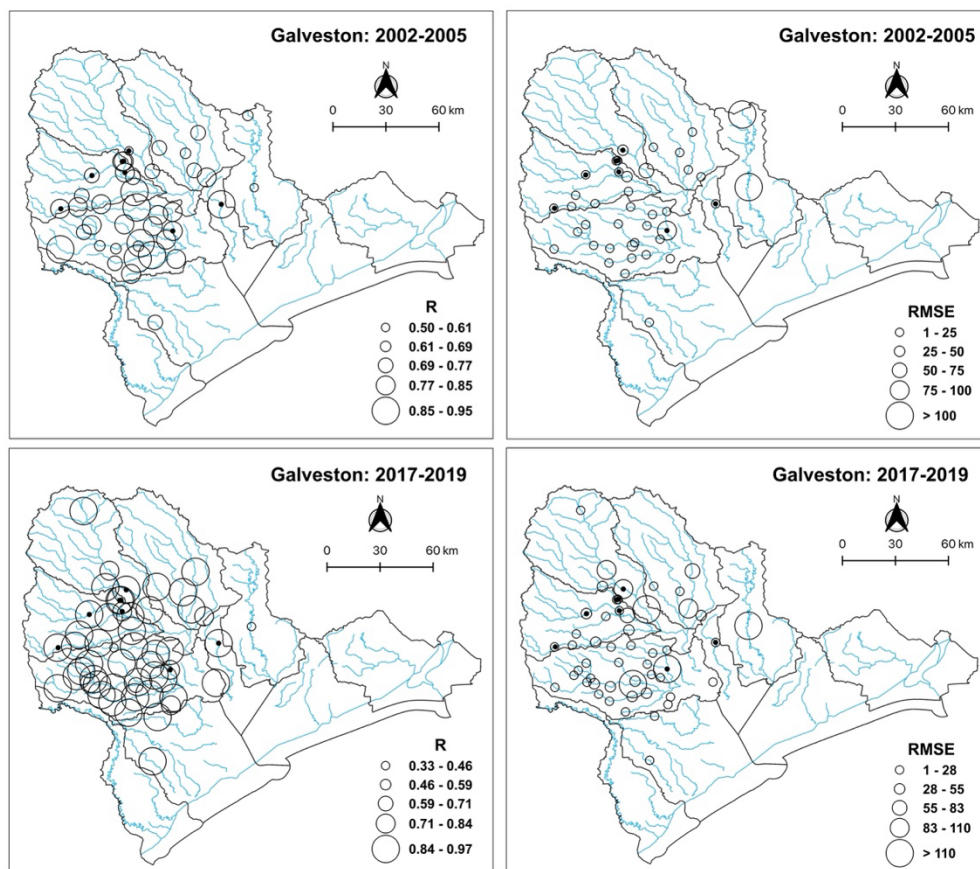


Figure S2. SAC-SMA model performance after data assimilation across the USGS stations within the Galveston watershed.

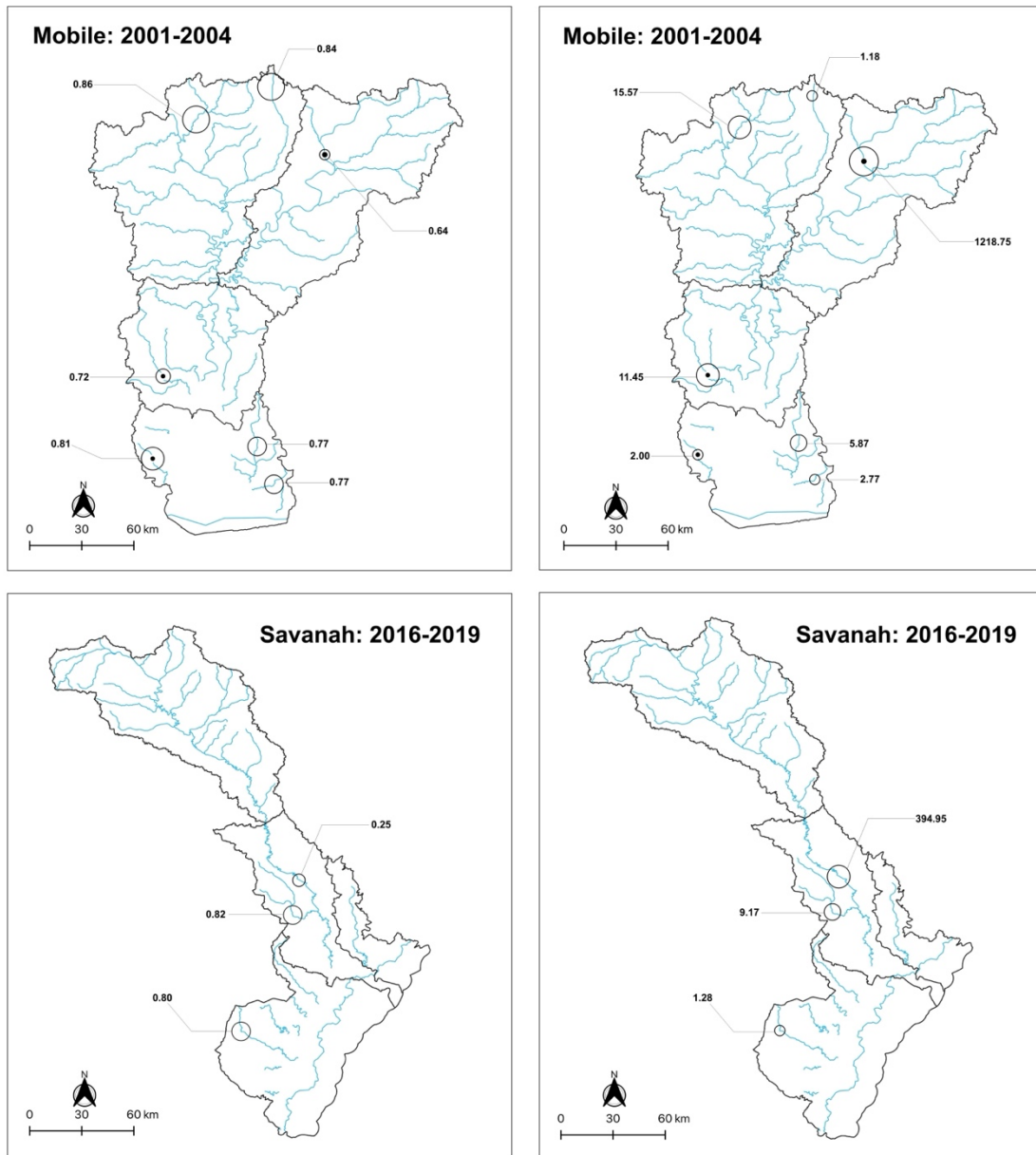


Figure S3. SAC-SMA model performance after data assimilation across the USGS stations within the Mobile and Savannah watersheds. Left panel: R. Right panel: RMSE.