**ARC-HYDRO: TERRAIN PROCESSING**

**HEC-GEO-HMS**

Select HMS Project Setup / Data Management  > OK

Project Setup / Start New Project > OK

Add Project Points tool

HMS Project Setup / Generate Project > YES

**BASIN PROCESSING**

Basin Processing / Basin Merge  > YES

**CHARACTERISTICS**

Characteristics / River Length  > OK

Basin Characteristics◊River Slope > OK

Characteristics◊Basin Slope  > OK

Characteristics / Longest Flow Path  > OK

Characteristics / Basin Centroid / Center of Gravity Method > OK

Characteristics / Centroid Elevation Update

Characteristics / Centroidal Longest Flow Path  > OK

**PARAMETERS**

Hydrologic Parameters / Select HMS Processes  /  > OK

SCS for Loss Method (getting excess rainfall from total rainfall),

SCS for Transform Method (for converting excess rainfall to direct runoff),

None for Baseflow Type, and

Muskingum for Route Method (channel routing).

> OK

Parameters / River Auto Name > OK

Parameters / Basin Auto Name > OK

Add cngrid (curve number grid)

Hydrologic Parameters / Subbasin Parameters / check BasinCN > OK

Hydrologic Parameters / CN Lag Method  > OK

**HMS**

HMS / Map to HMS Units / English Units

HMS / Check Data > OK

Select HMS / HMS Schematic > OK

HMS / Toggle HMS Legend  / HMS Legend

HMS / Add Coordinates

HMS / Prepare Data for Model Export > OK

HMS / Background Shape File  > OK

HMS / Basin Model File  > OK