

HYDROLOGIC MODELING METADATA

HYDROLOGIC MODELING METADATA TABLES

In the tables below, the modeler will need to identify which scenario their descriptions apply to in the second column or copy the Basin and Reservoir data tables to better describe each scenario. For example, different scenarios may use different initial conditions and rainfall data; these should be described and assigned to a scenario in the Description Column of the appropriate table.

General Information:

Category	Description
Project Name:	
Model Purpose:	
Confidential Nature of Project	
Date of last edits:	
Engineering Firm(s):	
Modeler/Originator:	
Contact(s) for digital file sharing: (i.e., owner, regulator, engineering firm)	
Software Name and Version:	
General Model Assumptions: (i.e., timestep, gridded vs basin-average precipitation, etc.)	
Limitations:	
Modeled Scenarios: (provide the Simulation Run name(s) and associated Basins, Meteorology/rainfall, etc.)	

Basin Input Information:

Copy table as needed for multiple basins.

Category	Description
<u>Basin Description:</u> (e.g., size, number of subbasins, location)	
<u>Delineation Terrain Source:</u>	
<u>Rainfall Loss Methodology:</u>	
<u>Unit Hydrograph/Rainfall Transport Methodology:</u>	
<u>Other applicable input data:</u> (e.g., gage data, snow, canopy interception, baseflow, etc.)	

Reservoir Data Input Information:

Copy table as needed for multiple reservoirs

Category	Description
<u>Reservoir Name:</u>	
<u>Stage-Storage/Area Data Source(s):</u>	
<u>Stage-Discharge method/Data Source(s):</u> (Include assumptions for all structures, i.e., weir coefficients, cross-section source, rating curve source, outlet curve, etc.)	
<u>Initial reservoir elevations/outflows:</u>	
<u>Other applicable input data:</u>	

Reach Routing Input Information:

Category	Description
<u>Name, Location, Length of Reaches:</u>	
<u>Routing Method:</u>	
<u>Routing Parameters:</u> (e.g., slope, roughness, shape, etc.)	
<u>Other applicable input data:</u>	

Rainfall Input Information:

Category	Description
<u>Rainfall Events Modeled:</u>	
<u>Rainfall Depth Sources:</u>	
<u>Rainfall Temporal Distributions:</u>	
<u>Other applicable input data:</u> (e.g., gage data basin-specific applications, gridded application assumptions, etc.)	