

Sub-basin

Subbasin Loss Transform Options

Basin Name: Basin 1
Element Name: Subbasin-1

Description: in trasform > lag time. we take the lag time of

Downstream: Reach_AD

Area (KM2) 98

Loss Method: SCS Curve Number

Transform Method: SCS Unit Hydrograph

Baseflow Method: --None--

Subbasin Loss Transform Options

Basin Name: Basin 1
Element Name: Subbasin-1

Initial Abstraction (MM) 26.2

Curve Number: 66

Impervious (%) 0.0

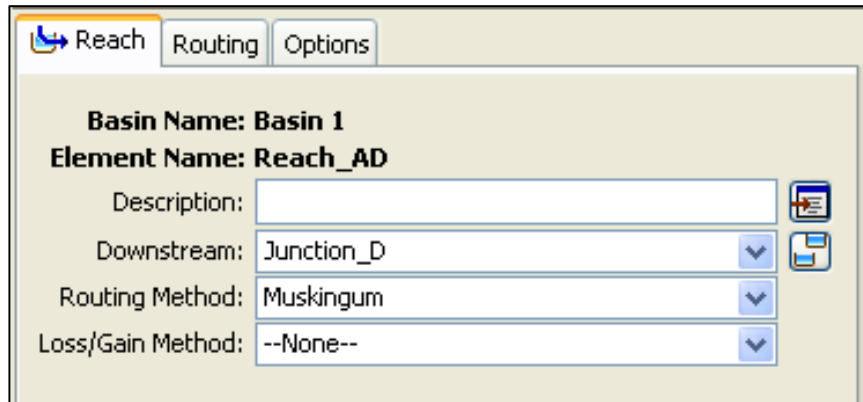
Subbasin Loss Transform Options

Basin Name: Basin 1
Element Name: Subbasin-1

Graph Type: Standard

Lag Time (MIN) 94.1

Reach



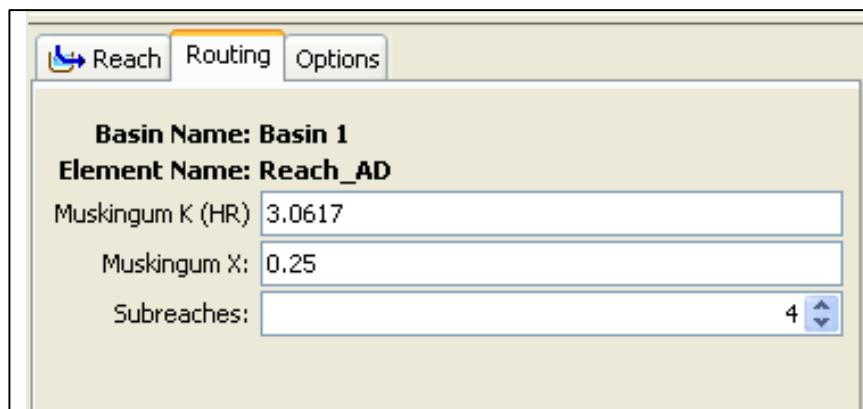
Basin Name: Basin 1
Element Name: Reach_AD

Description:

Downstream: Junction_D

Routing Method: Muskingum

Loss/Gain Method: --None--



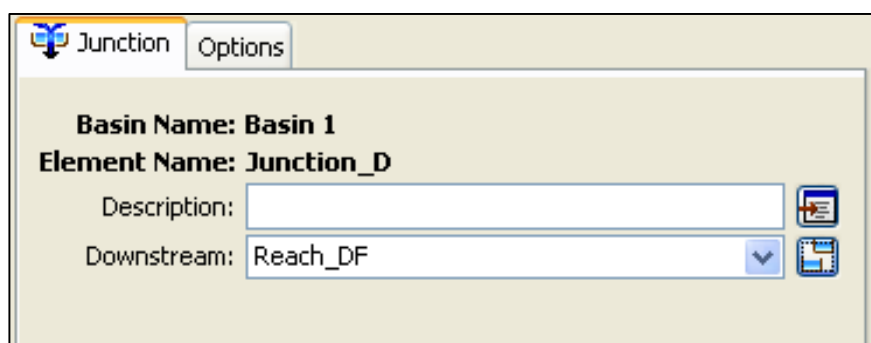
Basin Name: Basin 1
Element Name: Reach_AD

Muskingum K (HR) 3.0617

Muskingum X: 0.25

Subreaches: 4

Junction







Basin Name: Basin 1
Element Name: Junction_D

Description:

Downstream: Reach_DF

Reservoir

Reservoir		Options
Basin Name: Basin 1		
Element Name: Reservoir-1		
Description:	<input type="text"/>	
Downstream:	--None--	
Method:	Outflow Structures	
Storage Method:	Elevation-Area	
Elev-Area Function:	Table 1	
Initial Condition:	Elevation	
Initial Elevation (M)	92.4	
Main Tailwater:	Assume None	
Auxiliary:	--None--	
Time Step Method:	Automatic	
Outlets:	<input type="text"/> 1	
Spillways:	<input type="text"/> 1	
Dam Tops:	<input type="text"/> 0	
Pumps:	<input type="text"/> 0	
Dam Break:	No	
Dam Seepage:	No	
Release:	No	
Evaporation:	No	

Spillway

Reservoir		Spillway 1	Options
Basin Name: Basin 1			
Element Name: Reservoir-1			
Method:	Broad-Crested Spillway		
Direction:	Main		
Elevation (M)	92.4		
Length (M)	129		
Coefficient:	2.06		
Gates:	<input type="text"/> 0		

Outlet

Reservoir		Outlet 1	Options
Basin Name: Basin 1			
Element Name: Reservoir-1			
Method:	Orifice Outlet		
Direction:	Main		
Number Barrels:	<input type="text"/> 1		
Center Elevation (M)	5		
Area (M2)	2		
Coefficient:	0.6		

Meteorological Model

HMS model
 Basin Models
 Basin 1
 Meteorologic Models
 Met 1
 Specified Hyetograph
 Control Specifications
 Time-Series Data
 Paired Data

Components Compute Results

Meteorology Model Basins Options

Name: Met 1

Description:

Precipitation: Specified Hyetograph

Evapotranspiration: --None--

Snowmelt: --None--

Unit System: Metric

HMS model
 Basin Models
 Basin 1
 Meteorologic Models
 Met 1
 Specified Hyetograph
 Control Specifications
 Time-Series Data
 Paired Data

Components Compute Results

Meteorology Model Basins Options

Name: Met 1

Basin Model	Include Subbasins
Basin 1	Yes

HMS model
 Basin Models
 Basin 1
 Meteorologic Models
 Met 1
 Specified Hyetograph
 Control Specifications
 Time-Series Data
 Paired Data

Components Compute Results

Subbasins

Name: Met 1

Subbasin Name	Gage	Total Depth (MM)
Subbasin-1	Gage 1	
Subbasin-2	Gage 1	
Subbasin-3	Gage 1	
Subbasin-4	Gage 1	
Subbasin-5	Gage 1	
Subbasin-6	Gage 1	
Subbasin-7	Gage 1	

Control Specification

The screenshot shows a software interface for the HMS model. At the top, a tree view displays the following structure:

- HMS model
 - Basin Models
 - Meteorologic Models
 - Control Specifications
 - Control 1** (selected)
 - Time-Series Data
 - Paired Data

Below the tree view are three tabs: **Components** (selected), **Compute**, and **Results**.

The **Control Specifications** tab is active, showing the following fields for **Control 1**:

Name: Control 1	
Description:	<input type="text"/>
Start Date (ddMMYYYY)	01Jan2000
Start Time (HH:mm)	00:00
End Date (ddMMYYYY)	01Jan2000
End Time (HH:mm)	23:00
Time Interval:	30 Minutes

The Time Interval is set to 30 Minutes, with a dropdown arrow indicating other options are available.

Time-Series Data

Basin Models

- Basin 1
- Meteorologic Models
- Control Specifications
 - Control 1
- Time-Series Data
 - Precipitation Gages
 - Gage 1**
 - 01Jan2000, 00:00 - 01Jan2000, 13:00
 - 01Jan2000, 00:00 - 01Jan2000, 23:00
- Paired Data

Components Compute Results

Time-Series Gage

Name: Gage 1

Description:

Data Source:

Units:

Time Interval:

Latitude Degrees:

Latitude Minutes:

Latitude Seconds:

Longitude Degrees:

Longitude Minutes:

Longitude Seconds:

Basin Models

- Basin 1
- Meteorologic Models
- Control Specifications
 - Control 1
- Time-Series Data
 - Precipitation Gages
 - Gage 1
 - 01Jan2000, 00:00 - 01Jan2000, 13:00**
 - 01Jan2000, 00:00 - 01Jan2000, 23:00
- Paired Data

Components Compute Results

Time-Series Gage Time Window Table Graph

Name: Gage 1

Start Date (ddMMYYYY)

Start Time (HH:mm)

End Date (ddMMYYYY)

End Time (HH:mm)

Paired Data

The screenshot displays the HMS model software interface. On the left, a tree view shows the project structure: HMS model, Basin Models (containing Basin 1), Meteorologic Models, Control Specifications (containing Control 1), Time-Series Data, Paired Data, and Elevation-Area Functions. The 'Paired Data' component is selected, and 'Table 1' is highlighted. Below the tree view are three tabs: 'Components', 'Compute', and 'Results'. The 'Components' tab is active, showing a sub-tab bar with 'Paired Data', 'Table', and 'Graph'. The 'Paired Data' sub-tab is selected, displaying the configuration for 'Table 1'. The configuration includes a 'Name' field set to 'Table 1', a 'Description' field, a 'Data Source' dropdown set to 'Manual Entry', and a 'Units' dropdown set to 'M : 1000 M2'.

Name: Table 1	
Description:	
Data Source:	Manual Entry
Units:	M : 1000 M2