
Command Reference: FillRiverNetworkFromNetwork()

Fill StateMod river network data from the generalized network

StateMod Command

Version 3.09.01, 2010-02-01

The `FillRiverNetworkFromNetwork()` command fills missing data in the StateMod river network, using the generalized network for data. This is used, for example, when the river network has been created from the generalized network and “official” node names are first filled from HydroBase. Any remaining missing names can then be filled from the generalized network, using labels for the diagram. The following dialog is used to edit the command and illustrates the syntax of the command.

Edit FillRiverNetworkFromNetwork() Command

This command fills in missing data in river network data by using data from the network, matching the node identifiers. This command is useful if names for stations cannot be filled from a database or other source. The following values from the network are set if missing in a station:

Name - pick a format to use:
StationName - 24 characters.
StationName_NodeType - 20 characters + "_FLO".

Station ID: Required - specify the stations to fill (use * for wildcard).

Name format: Optional - format for the name (default=StationName).

Comment format: Optional - format for the comment (default=StationID).

If not found: Optional - indicate action if no match is found (default=Warn).

Command:
`FillRiverNetworkFromNetwork (ID = "*", NameFormat = "StationName_NodeType", CommentFormat = "StationID")`

OK Cancel

FillRiverNetworkFromNetwork

FillRiverNetworkFromNetwork() Command Editor

The command syntax is as follows:

```
FillRiverNetworkFromNetwork (Parameter=Value,...)
```

Command Parameters

Parameter	Description	Default
ID	A single river station identifier to match or a pattern using wildcards (e.g., 20*).	None – must be specified.
NameFormat	The format to use when setting the name, one of:	StationName

Parameter	Description	Default
	<ul style="list-style-type: none"> StationName – use the station name from HydroBase StationName_NodeType – use the first 20 characters of the name from Hydrobase + “_” + the node type. 	
CommentFormat	<p>The format to use for the river station comment, currently only:</p> <ul style="list-style-type: none"> StationID – the river station identifier. 	If not specified, the original data will remain unchanged.
IfNotFound	<p>Used for error handling, one of the following:</p> <ul style="list-style-type: none"> Fail – generate a failure message if the ID is not matched Ignore – ignore (don’t add and don’t generate a message) if the ID is not matched Warn – generate a warning message if the ID is not matched 	Warn

The following command file illustrates how a StateMod river network file can be created from the generalized network file:

```

StartLog(LogFile="rin.commands.StateDMI.log")
# rin.commands.StateDMI
#
# creates the river network file for the Colorado River monthly/daily models
#
# Step 1 - read river nodes from the network file and create file framework
#
ReadNetworkFromStateMod(InputFile="cm2005.net")
CreateRiverNetworkFromNetwork()
#
# Step 2 - get node (diversion, stream stations, reservoirs, instream flows)
#          names from HydroBase
#
FillRiverNetworkFromHydroBase(ID="*",NameFormat=StationName_NodeType)
#
# Step 3 - read missing node names from network file
#
FillRiverNetworkFromNetwork(ID="*",NameFormat="StationName_NodeType",
    CommentFormat="StationID")
#
# Step 4 - create StateMod river network file
#
WriteRiverNetworkToStateMod(OutputFile="..\StateMod\cm2005.rin")
#
# Check the results
CheckRiverNetwork(ID="*")
WriteCheckFile(OutputFile="rin.commands.StateDMI.check.html")

```