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# Command Reference: FillRiverNetworkFromHydroBase()

Fill StateMod river network data from HydroBase

**StateMod Command**  
Version 3.09.01, 2010-02-01

The `FillRiverNetworkFromHydroBase()` command fills missing data in the StateMod river network, using HydroBase for data. This is used, for example, when the river network has been created from the generalized network and “official” node names are to be determined from HydroBase. The following dialog is used to edit the command and illustrates the syntax of the command.

**Edit FillRiverNetworkFromHydroBase() Command**

This command fills missing data in river network data by using data from HydroBase, matching the station identifiers. The following values from HydroBase 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 - pick the format for the name (default=StationName).

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

Command:  
`FillRiverNetworkFromHydroBase (ID="*",NameFormat=StationName_NodeType)`

OK Cancel

FillRiverNetworkFromHydroBase

**FillRiverNetworkFromHydroBase() Command Editor**

The command syntax is as follows:

```
FillRiverNetworkFromHydroBase (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: <ul style="list-style-type: none"> <li>StationName – use the station name from HydroBase</li> <li>StationName_NodeType – use the first 20 characters of the name from Hydrobase + “_” + the node type (e.g., “ABC DITCH_DIV”).</li> </ul>	If blank, the original values will remain unchanged.
IfNotFound	Used for error handling, one of the following: <ul style="list-style-type: none"> <li>Fail – generate a failure message if the ID is not matched</li> <li>Ignore – ignore (don’t add and don’t generate a message) if the ID is not matched</li> <li>Warn – generate a warning message if the ID is not matched</li> </ul>	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")

```