## Command Reference: CheckRiverNetwork()

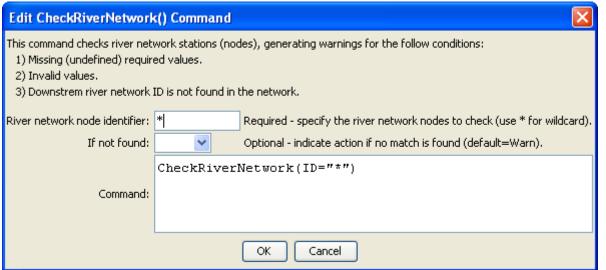
## Check river network data for problems

## StateMod Command

Version 3.09.01, 2010-02-03

The CheckRiverNetwork() command checks river network data for problems. The command should usually be used with a WriteCheckFile() command at the end of a command file.

The following dialog is used to edit the command and illustrates the syntax of the command.



CheckRiverNetwork() Command Editor

CheckRiverNetwork

The command syntax is as follows:

CheckRiverNetwork(Parameter=Value,...)

## **Command Parameters**

| Parameter  | Description  | Default        |
|------------|--|----------------|
| ID         | The identifier for the location(s) to check. Use * | None – must be |
|            | to match a pattern.                                | specified.     |
| IfNotFound | One of the following:                              | Warn           |
|            | • Fail – generate a failure message if the         |                |
|            | location identifier is not matched                 |                |
|            | • Ignore – ignore (don't generate a message)       |                |
|            | if the location identifier is not matched          |                |
|            | Warn – generate a warning message if the           |                |
|            | location identifier is not matched                 |                |

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")
```