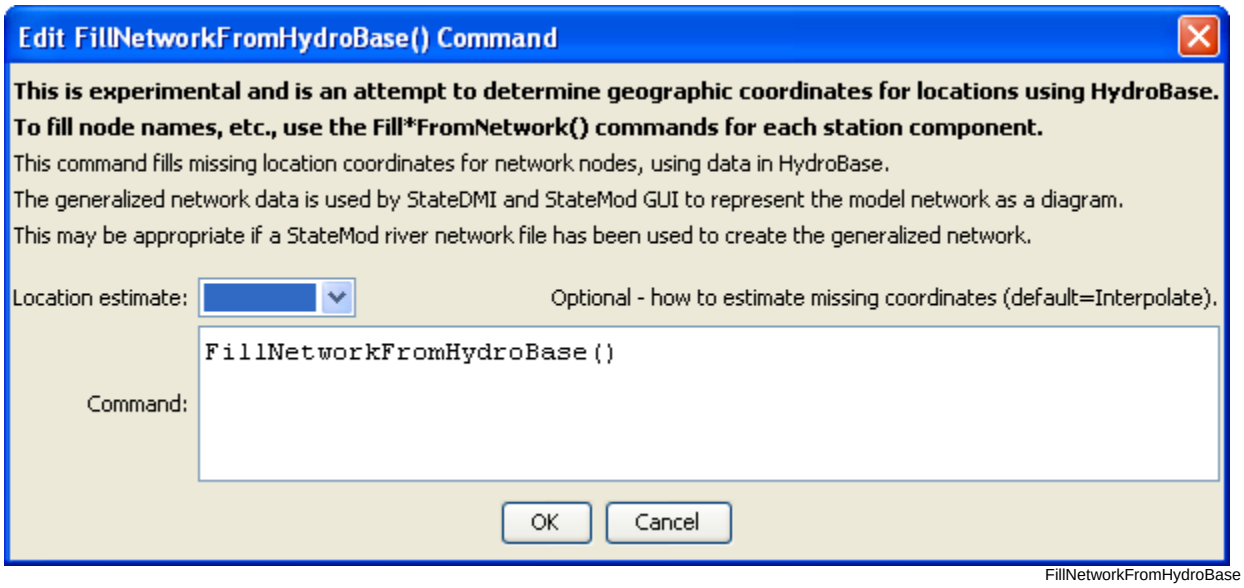
Command Reference: FillNetworkFromHydroBase()

Fill generalized network data from HydroBase

StateMod Command

Version 3.09.01, 2010-02-01

The `FillNetworkFromHydroBase()` command fills missing location data in the generalized network, using HydroBase for data. This is used, for example, when a generalized network has been created from a StateMod river network. The following dialog is used to edit the command and illustrates the syntax of the command.



FillNetworkFromHydroBase

FillNetworkFromHydroBase() Command Editor

The command syntax is as follows:

```
FillNetworkFromHydroBase(Parameter=Value,…)
```

Command Parameters

Parameter	Description	Default
LocationEstimate	Indicates how to estimate missing coordinates, currently only: • Interpolate – linearly interpolate between known node locations.	Interpolate

The following example command file illustrates how the command might be used:

```
# Create a generalized XML network from individual StateMod files
# Read the network, which contains upstream to downstream connectivity but does
# not indicate node types
ReadRiverNetworkFromStateMod(InputFile=cm2005.rin)
# Read the stations, which imply the node types
ReadRiverStreamGageStationsFromStateMod(InputFile=cm2005.ris)
ReadRiverDiversionStationsFromStateMod(InputFile=cm2005.dds)
ReadRiverReservoirStationsFromStateMod(InputFile=cm2005.res)
ReadRiverInstreamFlowStationsFromStateMod(InputFile=cm2005.ifs)
ReadRiverWellStationsFromStateMod(InputFile=cm2005.wes)
# To be developed...
#ReadRiverPlanStationsFromStateMod()
ReadRiverStreamEstimateStationsFromStateMod(InputFile=cm2005.ris)
# Now create the generalized network, using the connectivity and node types
CreateNetworkFromRiverNetwork()
# Fill in node names and locations from HydroBase, if any is still missing
FillNetworkFromHydroBase()
# Write the generalized network
WriteNetworkToStateMod(OutputFile="cm2005.net")
# Check for errors (the following is not yet implemented)
#CheckNetwork()
WriteCheckFile(OutputFile="cm2005.net.check.html")
```