
Command Reference: ReadStreamGageStationsFromList()

Read stream gage station data from a list file

StateMod Command

Version 3.09.01, 2010-02-01

The `ReadStreamGageStationsFromList()` command reads a list of stream gage stations from a delimited list file and defines stream gage stations in memory. The stream gage stations can then be manipulated and output with other commands. The following dialog is used to edit the command and illustrates the syntax of the command.

Edit ReadStreamGageStationsFromList() Command

This command reads stream gage stations from a list file containing columns of information. Stream gage stations indicate locations where historical flow observations are available. Columns should be delimited by commas (user-specified delimiters will be added in the future). Identifiers and names (and in some cases other information) can be read - most subsequent commands only need a list of identifiers. It is recommended that the location of the file be specified using a path relative to the working directory.

The working directory is: C:\Develop\StateDMI_SourceBuild\StateDMI\test\regression\UserManualRef\FillStreamGageStationsFromHydroBase

List file:

ID column: Required - column (1+) for ID.

Name column: Optional - column (1+) for name.

River node ID column: Optional - column (1+) for river network ID.

Daily ID column: Optional - column (1+) for daily ID.

Command:

```
ReadStreamGageStationsFromList(ListFile="rgTW_stations.csv", IDCol=1, NameCol=2)
```

ReadStreamGageStationsFromList

ReadStreamGageStationsFromList() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
ListFile	The name of the list file to be read.	None – must be specified.
IDCol	The column number (1+) containing the stream gage station identifiers.	None – must be specified.
NameCol	The column number (1+) containing the stream gage station names.	If not specified, set to blank.
RiverNodeIDCol	The column number (1+) containing the river node identifier.	If not specified, set to blank.
DailyIDCol	The column number (1+) containing the daily identifier (for estimating time series).	If not specified, set to blank.

At a minimum, the list file must contain a column with stream gage station identifiers. Lines starting with the # character are treated as comments. If the first line's values are surrounded by double quotes, the line is assumed to indicate column headings.

A sample list file is shown below:

```
# Stream gage stations as a list file
#
"ID", "Name"
08213500, "RIO GRANDE RIVER AT THIRTY MILE BRIDGE NEAR CREEDE"
08214500, "NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR"
...
```